



AAR Intermodal Interchange Rules

Including Billing and Repair Procedures

Governing The Interchange Of, Repairs To, And
Settlement For, Units Used In
Intermodal Service

DRAFT

Association Of American Railroads

Safety and Operations
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Changes in the form of modifications, additions, or deletions effective July 1, 2008. This list includes important changes and most corrections of an editorial nature.

Rule 13 – added “and chassis” to second sentence

Rule 27(b)7(c) – Relocated to 27(a)(6) “Owners Responsibility”

Rule 71(a) – added “and tie-down devices”

Rule 73(c) – added to paragraph 2, “and tie-down devices” to third paragraph

Rule 82(d) – corrected reference to Appendix B15

Rule 88 – Editorially revised first paragraph

Rule 88 – added (dd) Roll-up Doors

Rule 88 – added (ee) Side Doors

Rule 97 – deleted reference to Form J-4.

Rule 99 and Rule 100 – editorially corrected

Rule 101 – First paragraph changed to 101A

Rule 101 – Reworked and relettered

Rule 101A(4) – Added “Stacking Post”

Rule 101b – Added “Correcting Improper repair”

Rule 122(a)(2) – Deleted first paragraph

Relocated second paragraph to 122(a)(1)

Rule 122(a) – Renumbered

Figure 3 - Updated

Rule 171 – paragraph 2, change left outside front (LOR) to (LOF), and left inside front (LIR) to (LIF)

Appendix A5 – Eliminate first sentence

Appendix A5(d)10 – Corrected reference to Appendix F

Appendix A6 – Make Vacant

Appendix A10 – Added Condition code “I-Insert”

Appendix 12 – Deleted A12 Condensed Matrix

Appendix B5(3) – change to compatibility

Appendix B5(8) – add Cross Shaft paragraph

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PREFACE

The rules contained herein do not foreclose subscribers from entering into other agreements which may be contrary to these rules.

These rules are formulated to provide a means for fair and proper adjustments of questions arising between unit owners and handling companies, with the intent of:

- Making the unit owner responsible for, and therefore chargeable with, repairs to its units, necessitated by ordinary wear and tear in fair service, by safety requirements, by the standards of the Association of American Railroads, and by the requirements of the various regulatory agencies controlling highway movement of such equipment.
- Placing responsibility and providing a means of settlement for damage to any unit occurring through improper handling or improper protection by the handling company.
- Providing that inspection of unit for interchange will be in accordance with the Code of Rules.
- Assuring that settlement of disputes occurring under other arrangements not invoking these Rules must be settled in accordance with the terms of the agreement or contract between the parties involved.

Subscribers agree to accept equipment that is in compliance with these rules, and may accept other equipment at their individual discretion.

Where the term “*units*” appears in these rules, it includes all equipment which is designed for use in TOFC/COFC Service, including trailers, containers, and chassis, as defined in Rule 159.

Where the term “*owner*” appears in these rules, it shall be interpreted to include “lessee,” but in any case will be the owner or lessee of record as identified on unit.

Where the term “*handling line*,” or “*handling carrier*,” appears in these rules, it applies to the carrier in possession of the unit.

Where the term “*originating carrier*” appears in these rules, it applies to the carrier on which the unit originates.

Where the term “*delivering carrier*” appears in these rules, it applies to the carrier, which offers the unit to another carrier in interchange, at the point of interchange.

Where the term “*receiving carrier*” appears in these rules, it applies to the carrier, which accepts the unit from another carrier in interchange, at the point of interchange.

Where reference to physical documents is made, electronic versions thereof may be substituted by mutual agreement.

A. GENERAL CONDITIONS GOVERNING ACCEPTANCE AND DELIVERY OF UNITS IN INTERCHANGE.

1. Equipment Specifications

All units shall conform to applicable AAR or ISO Specifications (See AAR Intermodal Standards M-930, 931, 962, and AAR.600). Units not in conformance with AAR or ISO Specifications in effect as of the date of manufacture may be refused in interchange service.

Should a conflict arise between the AAR and ISO Specifications, the AAR Specification will take precedence.

2. Hazmat Placarding

Trailers and containers containing hazardous materials shall be properly placarded in accordance with the Hazardous Materials Regulations of the Department of Transportation and such other regulations governing safe transportation.

3. Loading Practices

- (a) Lading shall be properly distributed, secured and blocked, and in compliance with the AAR Intermodal Loading Guide for Products in Closed Trailers and Containers, and the AAR Mechanical Section 7 Rules Governing the Loading of Commodities on Open Top Trailers/Containers To Be Handled in Trailer/Container-On-Flat-Car (TOFC/COFC) Service.

It is not intended that closed trailers or containers be opened for interior inspection of loads unless the trailer or container shows exterior evidence of distress, apparently due to lading conditions, or unless there is reason to believe that the trailer or container has not been properly loaded.

- (b) Loading of equipment shall be in compliance with the AAR Intermodal Committee Loading Capabilities Guide, available on the AAR website (www.aar.org).

4. Clearance Profile

Units shall conform to published railroad clearances to final destination and to published highway clearances where units are handled off-rail.

5. Weight Restrictions

The weight of the unit and lading shall conform to all regulations governing the various transportation services to final destination.

6. Electrical Connector

Trailers and chassis shall be equipped with a conventional (7 conductor) electrical connector socket, wired and installed as shown in **Figure 1**. The voltage marking shall be shown adjacent to the socket, in not less than one inch high letters, only if it is different than 12 volts.

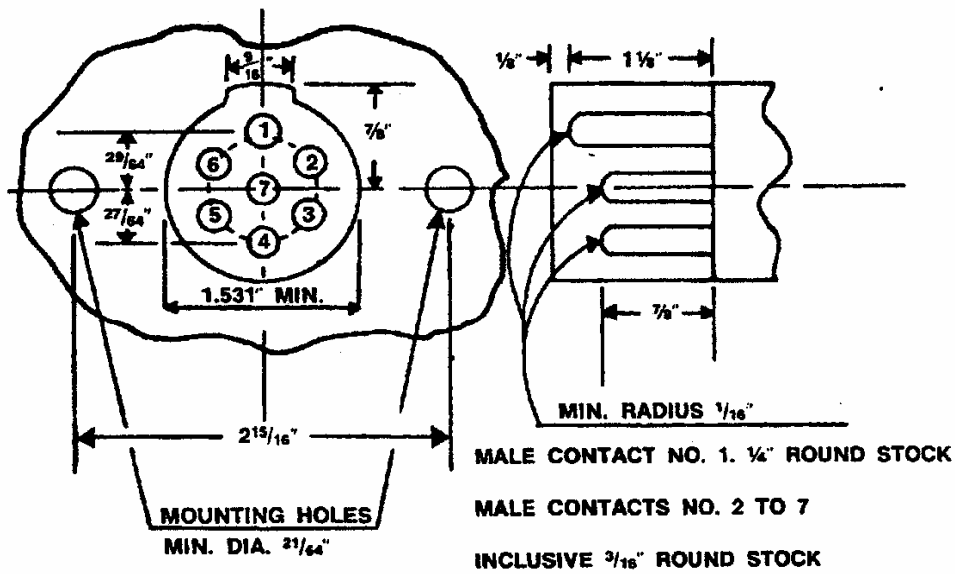


Figure 1 -- Connector Socket

Conductor Number	Wire Color	Lamp and Signal Circuits
1	White	Ground return to towing vehicle
2	Black	DOT-required marker and clearance lamps
3	Yellow	Left hand directional signal
4	Red	Stop lamps and anti-lock devices
5	Green	Right hand directional signal
6	Brown	Tail lamp, three-bar marker lamps, and clearance or marker lamps other than DOT-required
7	Blue	Anti-lock brake system.

The standard receptacle shall be constructed as a flush mounted unit and provided with a cover, and shall be mechanically attached to the connector socket or external housing. Cover shall make the connector socket weather tight when the cable plug is not inserted in the socket.

7. Lights

- (a) Trailers and chassis shall be equipped with properly operating stop lights, tail lights, flashing turn signals, clearance and marker lights, reflectors and other parts and accessories, as required by governmental regulatory agencies.
- (b) Units shall be equipped with conspicuity tape as required by governmental regulatory agencies. Chassis shall also have conspicuity tape applied to the front bolster.

8. Tank Containers

Tank containers must comply with applicable Department of Transportation regulations and with AAR.600, Specifications for the Acceptability of Tank Containers.

(a) Compliance Certification

Tank containers must be marked "AAR.600" to indicate that the owner has certified compliance with the requirements of the AAR Specifications.

TOFC loading of tank containers must be on certified AAR M-931 chassis.

(b) Loading Conditions

Tank containers must comply with applicable DOT regulations, including 49 CFR 174, and the requirements of AAR 600 for interchange movement under these rules. Additionally, on conventional single unit COFC cars, end-of-car cushioning and positive lock securement devices meeting the requirements of AAR Specification M-952, latest revision, are required. Cushioning protection is not required on multi-unit spine cars and other slackless intermodal equipment. Tank containers may be moved in the well of single or multi-unit double stack cars, but no other container may be loaded above the tank container placarded "Hazmat". In single or multi-unit double stack cards, neither cushioning nor positive lock securement is required.

(c) Tank Data Plate

Tank data plate(s) must be affixed to the tank or frame.

(d) Tank and Safety Relief Valve

Tank and safety relief valve, if installed, must have a retest interval no greater than 5 years. Retest and test due dates must be marked or stenciled on the tank or on an appropriate plate.

(e) Inspection

Tank containers must be inspected for leakage before acceptance for shipment.

9. Tank Trailers ["Cargo Tanks"] Carrying Hazardous Materials

Tank trailers carrying hazardous materials are **prohibited** in TOFC service, except AAR M-931 specification tank trailers as may be allowed by Department of Transportation regulation.

10. Document Holder

A waterproof container for necessary papers and documents to accompany the trailer shall be attached to the exterior of the trailer, on the nose end, as near the side and bottom of the trailer as practical. The same type container shall be attached to the main rail of the chassis near the VIN plate.

11. Tires

Trailers and chassis shall be equipped with tires conforming to requirements of Section B and Appendix B – Section B14 of these rules.

12. Landing Gear

Trailers and chassis shall be equipped with landing gears conforming to requirements of Section C of these rules.

13. Licensing

Trailers and chassis shall be equipped with valid license plates of the state of registry. It is the responsibility of the originating carrier to assure that trailers and chassis are properly licensed and registered.

14. Interchange Placement

A unit offered in interchange shall be considered as accepted by the receiving carrier.

(a) Rail Interchange

When the car with the unit is placed on a track agreed upon and designated as the interchange track for such delivery, and is accompanied or preceded by proper data for forwarding and to ensure delivery.

(b) Rubber Interchange

When a unit that is interchanged by street or highway is placed in a yard or at a point agreed upon and designated as the interchange point for such delivery, accompanied or preceded by proper data for forwarding and to ensure delivery, and unit inspection form or recorded image has been completed .

15. Defective Units

A unit offered in interchange with defects as defined in Section F may be rejected by the receiving carrier.

16. Vacant

17. Gasoline/LPG Refrigeration Units

Trailers or containers using gasoline or liquefied petroleum gas to operate refrigeration units must be permanently stenciled, "Gasoline Driven Refrigeration Unit" or "Liquefied Petroleum Driven Refrigeration Unit" in accordance with Section D, Rule 55 of these rules.

18. Portable Heater Units

Trailer/container equipment with portable heating units may be refused in interchange service.

19. Equipment Registration and Reporting

(a) Equipment Initial/Number

Each unit shall have an assigned reporting mark of its owner or lessee, and the number of the unit appearing thereon, as provided in Rule 173.

(b) TRAIN II and UMLER Reporting

Effective July 1, 1999, to facilitate tracking and accounting of equipment, equipment owners shall register all trailers, containers and chassis in the Universal Machine Language Equipment Register (UMLER), as specified in the UMLER Specification Manual.

Effective July 1, 1999, to facilitate tracking and accounting of equipment, handling lines shall report all trailer, container and chassis interchanges and movements to TRAIN II, as specified in the TRAIN II User's Manual.

Where the term "unit" appears in these rules, it includes all railroad owned and private equipment, which is used in TOFC/COFC services contained in Rule 159.

20. Kingpin Wear Limits

Trailers and chassis offered in interchange may be refused by the receiving carrier, if wear limits exceed those prescribed by SAE J-2228, latest revision [see Appendix, Section B11 (a)].

B. TIRES AND TUBES

26. Conditions At Time Of Acceptance And In Interchange

The following are conditions at time of acceptance and in interchange.

(a) Presence of Tires and Wheel Lugs

Tires and all wheel lugs must be in place on all wheels in service.

(b) Suitability of Tires and Rims

Tires and rims must be in suitable condition for safe movement to final destination and must conform to requirements of governmental regulatory agencies.

(c) Tire Markings

At the time of inspection, the company tire brand, if any, or manufacturer's serial number and tire size must be in evidence.

(d) Lack of Foreign Objects

Tires must be free of visible foreign objects such as nails, etc., imbedded in or protruding from tire, as well as defects listed in Rule 27.

(e) Inflation and Mating

Tires must be properly inflated and mated by physical size on the same axle.

27. Maintenance, Repair and Replacement

(a) Trailer or Chassis Owner Responsibility

Repairs, renewals or replacement of tires and/or tubes shall be at the expense of the trailer or chassis owner, except as otherwise provided in Section F. The trailer or chassis owner shall be responsible for renewal of tires and tubes when necessary, due to the following causes:

- (1) Tread depth $\frac{2}{32}$ inch or less. Measurement must be made in tread grooves only, not to include tire tread tie bars.
- (2) Separation of tread.
- (3) Visible blisters or knots.
- (4) Worn out, deteriorated tube.
- (5) Pulled valve stem, cut tube, when not associated with Section F damage to tire.
- (6) Damage to tires and tubes, as a result of being slid flat. Any tire which is slid flat to the extent that a flat spot occurs, which removes $\frac{4}{32}$ four thirty-seconds of tread or rubber, when compared to the remaining tread, it is considered "slid flat". It is not necessary for the tire to have a loss of air.

(b) Handling Line Responsibility

(1) Maintenance

The carrier in possession of a trailer or chassis in interchange service shall provide maintenance to tires and tubes, including proper inflation, the repair of flat tires, pulled valve stems, etc., subject to provisions of other rules with regard to charges. When a tire and/or tube is repaired or replaced, the carrier in possession must inflate all tires on the trailer or chassis to the manufacturer's recommended PSI. Ensure all hoses are reconnected to automatic tire inflation systems. Valve caps must be installed.

(2) Unserviceable Tires

When an unserviceable tire is replaced by other than the owner, it must be with a new tire or newly recapped tire meeting the Minimum Standard for Retreading and Repairing Bias Ply and Radial Tires, as shown in Appendix B – Section B14 to justify charge to the owner. The application of used tires and/or tubes by the handling carrier is prohibited, is considered wrong repair, and no charge can be assessed the trailer or chassis owner.

(3) Rims

Exchanging of rims is prohibited, unless necessary due to an unserviceable rim. When replacing a rim, a rim of same type and size must be used, i.e. 20 inch tube type with 20 inch tube type, 22 inch tubeless with a 22 inch tubeless.

(4) Serviceable Tubes

When a tire is replaced, a serviceable tube and flap that is removed must be reapplied.

(5) Unserviceable Tubes

When an unserviceable tube is replaced by other than the owner, the tube must be replaced with a new tube to justify charge. The unit repair billing form must show the size, the location on/off, and the reason for replacement.

(6) Booting, Sectioning or Vulcanizing

Structural repairs to tires on foreign trailers or chassis by booting, sectioning or vulcanizing by the handling carrier is prohibited, is considered wrong repair, and no charge can be assessed the trailer or chassis owner.

(7) Damages

Handling carriers are responsible for damage as follows:

- (a) Tire sidewall cut/punctured through one or more plies of fabric
- (b) Tire shoulder and/or tread cut/punctured through one or more plies of fabric, when such injury is larger than ¼". When the tire shoulder and/or tread is punctured through the tire, causing a hole ¼ inch in diameter or less, the injury must be patched prior to reuse.
- (c) Damage to tires and tubes, as a result of being run flat. To prevent run flat damage, tires should be inflated as per Appendix B14.

(8) Exchanging of Tires

Exchanging or swapping tires due to a flat tire condition is prohibited.

(9) Multiple Renewals and Replacement at Terminals and by Contracted Vendors

Renewals and replacements at terminals and by contracted vendors of two or more tires on the same unit due to the causes listed as Trailer or Chassis Owner Responsibility [Rule 27(a)] require fax or electronic notification to the owner within two business days from the time of repair, if the owner has provided notification information for the listing published by the AAR. Lack of receipt of required notification by an owner is not in itself justification for not paying a repair bill.

(c) Repair, Renewal and Replacement Procedures

(1) Unit Repair Billing Form

The Unit Repair Billing Form to the owner must show the tire size and manufacturer's DOT tire identification number for each new tire applied, or the recapper's DOT tire identification number for each recapped tire applied to justify charge. The same information must also be shown for each tire removed, if available. Billing must also show tire location and the reason for replacement to justify charge. All information pertaining to DOT identification codes, both on new or recap tires, must follow Federal Regulations, in accordance with Tire Identification and Recordkeeping Regulation 49 CFR Part 574 (36 F.R. 1196).

(2) Inspection and Collection of Unserviceable Tires

The inspection and collection of unserviceable tire(s) shall be a matter of mutual agreement between involved parties as to procedures.

(3) Retention Period

When tires are removed from a trailer or chassis at an intermodal facility or at an outside repair facility authorized by the railroad, the tire must be maintained at the facility for at least seven days, or as otherwise agreed. Tire(s) must be marked identifying the trailer or chassis initial and number, date, wheel position, and circle defect. The Why Made Code and tread depth must also be indicated.

C. LANDING GEARS

41. Conditions At Time of Acceptance And in Interchange

The following are conditions at time of acceptance and in interchange:

(a) Load Support

The landing gear must be in suitable condition to properly support the trailer or chassis load.

(b) Condition and Securement

The landing gear must be properly secured to trailer or chassis complete as to component parts, and in satisfactory operating condition.

(c) Clearances

The landing gear of the trailer or chassis while loaded on a railcar must clear the car floor and other fixed obstructions at all times by not less than two inches, to prevent damage.

42. Maintenance and Operation

(a) Maintenance, Repairs, and Lubrication

The carrier in possession of the trailer or chassis shall provide good maintenance to the landing gear, including minor repairs and lubrication.

(b) Raising Landing Gear

The landing gear must be raised sufficiently above the car floor or ground before moving the trailer or chassis, to prevent damage.

(c) Lowering Landing Gear

The trailer or chassis landing gear must be properly lowered before disconnecting the tractor from the trailer or chassis.

D. REFRIGERATION AND HEATING

55. Conditions At Time of Acceptance And In Interchange for Mechanical Units

The following are conditions at time of acceptance and in interchange:

(a) Stenciling/Fuel type

Trailers or containers equipped with mechanical units shall be stenciled in letters not less than one inch high to indicate the type of fuel used to drive the unit, and the capacity of the fuel tank. Stenciling shall be located adjacent to the unit or fuel tank filler cap. The type of fuel used for operating the mechanical unit is subject to the restrictions provided in Section A, Rule 17.

(b) Satisfactory Operating Condition

At the time of interchange of a loaded trailer or container under heat or refrigeration, the mechanical unit shall be in satisfactory operating condition. Where evidence indicates a defective mechanical unit, or improper inside air temperature, the trailer or container may be refused in interchange.

(c) Sufficient Oil and fuel

At the time of interchange of a loaded trailer or container under heat or refrigeration, the mechanical unit shall have sufficient oil and fuel to ensure 24 hours continuous operation.

56. Vacant

57. Maintenance

The carrier in possession of the trailer or container shall provide proper maintenance to the heating and/or refrigeration unit, including any immediate repair necessary to maintain lading protection. The cost of repairs made as a result of such maintenance may be billed against the owner, except that fuel applied is at no expense to the owner. Where Division Sheet or contracts provide otherwise, the provisions of this rule do not apply.

58. Portable Units

Trailer/Container equipment with portable units may be refused in interchange service.

E. HANDLING AND REPORTING ACCESSORIES AND SPECIAL EQUIPMENT

71. Removable Items/Stenciling

The name and number of removable items accompanying open top, platform, or flatbed trailers must be stenciled in not less than one inch figures in a suitable location of the trailer (preferably the front portion of the bulkhead).

Removable items include:

- (a) Chains, binders, cables and tie-down devices.
- (b) Tarpaulins, including securements.
- (c) Tarpaulin bows.
- (d) Rear header bar (high side open top).
- (e) Bulkhead.

72. Delivering Carrier Responsibility

The delivering carrier shall be responsible for any removable items listed in Rule 71, and so stenciled on trailer, which are missing when the trailer is offered in interchange.

73. Handling Carrier Responsibility

(a) Securement of Equipment

The proper replacement and securement on the trailer of tarpaulins, tarpaulin bows, rear header bar, side sections, end gates, etc., which were removed to facilitate loading or unloading, is the responsibility of the carrier in possession of the trailer.

(b) Tarpaulins and bows – Loaded Trailers

When a loaded open top trailer is offered in interchange, and is equipped with tarpaulins and bows, the tarpaulin and bows must be in their proper position, with the tarpaulin spread and secured.

In the event the lading is of such nature that the tarpaulin and bows cannot be applied, they must be placed in the proper storage receptacle where the trailer is so equipped, or accompany the load, if possible. If the equipment cannot be forwarded in either manner, provision should be made to ship same to the trailer owner, properly identified, at the expense of the carrier returning the equipment.

(c) Equipment – Empty Trailers

When an empty open top or platform type trailer is offered in interchange, and is equipped with tarpaulin and bows, side and end gates, etc., the tarpaulin and bows, side and end gates must be in proper place and secured on trailer, or placed in the proper storage receptacle where the trailer is so equipped, or be secured to the headboard or deck of the trailer.

When side and end gates are in an upright position on the trailer, the bows must also be in proper position, and the tarpaulin must be properly stored.

Chains, binders, cables and tie-down devices must not be laced, or allowed to hang over rub rails of flatbed trailers.

F. HANDLING CARRIER RESPONSIBILITY

81. Damage – By Causes

Handling carriers are responsible for damage caused by:

- (a) Accident of any type, at any time, on or off a railcar
- (b) Storm or flood
- (c) Explosion
- (d) Unconcealed fire, and inside or concealed fire, when handling line has knowledge of same, while unit is in its possession
- (e) Failure to properly handle unit on or off car
- (f) Failure to properly close and secure doors
- (g) Contamination by loading with contaminating commodities such as:
 - (1) Animal products, including hides, pelts or skins; glue stock, manure or fertilizing compounds with contaminating odor; meat refuse, offal, tankage or waste from slaughtered animals; bones or horns with contaminating odor, dried blood; tallow
 - (2) Copra
 - (3) Fish scrap or fish meal
 - (4) Shellfish in bulk
 - (5) Shells (clam, mussel or oyster) in raw state with contaminating odor
 - (6) Asphalt (asphaltum), natural or asphalt compounds, by-product or petroleum
 - (7) Creosote or creosoted materials
 - (8) Lamp black, carbon black (all types), graphite (black lead) or plumbago
 - (9) Poisonous chemicals or compounds in containers or bulk
 - (10) Scrap batteries and vehicle components, including loose or baled scrap metal that leaks oil and grease, such as, but not limited to, axles, differentials, engine blocks and transmissions.
 - (11) Loose metal shreadings or shavings not in bales or containers
 - (12) Bulk municipal waste
 - (13) Bakery waste

82. Damage – Evidential

Handling carriers are responsible for damage as follows:

- (a) Metal door, gate, sheet, post, crossmember, brace or support cut or torn through thickness of metal, including such cuts or tears covered by tape, caulk and/or tar
- (b) Metal door, gate, sheet, post, crossmember, brace or support bent, where proper operation or function of unit is impaired, except when caused by deterioration due to corrosion or decay
- (c) Clean Interior
- (d) DOT Under Ride Guard missing, or bent/cut per Appendix B15.

83. Losses

Handling carriers are responsible for loss as follows:

- (a) Theft of trailer, container, chassis, or bogie, or known theft of parts thereof
- (b) Door or gate missing
- (c) Removable side or section missing
- (d) Missing tire, tube or rim
- (e) Missing assigned equipment, as outlined in Rule 71, which accompanied trailer at time of interchange
- (f) Missing component parts essential for the operation of mechanical units for refrigeration or heating.

84. Contaminating Commodities

(a) Loading Restriction

Trailers or containers must not be loaded with contaminating commodities, unless the trailer or container is stenciled by the owner "Contaminate Loading Only" on the front of the vehicle, in not less than four inch letters, and is identified in the Official Intermodal Equipment Register, or as otherwise specifically authorized by owner.

(b) Reporting Contaminating Loadings

Where the handling carrier is not responsible for a contaminating loading, it shall furnish information on the unit inspection form to indicate the originating carrier, who shall be responsible to the owner for reconditioning of the trailer or container.

85. Temporary Repairs

Handling carriers shall be responsible for correction of temporary repairs as outlined in Rule 101(b).

86. Damage By Non-Subscribers

(a) Railroad-Owned Or Leased Units

When a railroad-owned or leased unit is damaged or destroyed while in the possession of a non-subscriber to the TOFC/COFC Interchange Rules, the subscriber delivering the unit to such non-subscriber shall be responsible to the owner for damage to or destruction of the unit while in the possession of the non-subscriber.

(b) Non-Railroad-Owned Or Leased Units

When a non-railroad owned or leased unit is damaged or destroyed while in the possession of a non-subscriber to the TOFC/COFC Interchange Rules, responsibility and settlement for damage or destruction will be in accordance with individual contract.

G. ORDINARY MAINTENANCE

88. Owner Responsibility

Repairs, renewals or replacement of the following components shall be at the expense of the unit owner, except where directly associated with a component with Section F damage:

- (a) Dolly wheels, sand shoes and/or axles
- (b) Manifest Box
- (c) Door locking bar handles
- (d) Door tie-backs
- (e) Lights
- (f) Initial and number markings, including sign boards, and conspicuity treatment consistent with Regulatory agencies rulemaking and mandated for units manufactured after December 1, 1993.
- (g) Mud flaps and brackets
- (h) Broken batteries
- (i) Caulking and sealing of seams and old patches, subject to provisions of Rule 100
- (j) Container securement device handles and safety latches
- (k) Refrigeration cabinet doors and battery box covers
- (l) Axle, axle spindle, hub assembly, lubrication and failure due to insufficient lubrication
- (m) Replacement or repair of gladhands
- (n) Interior lining, including posts
- (o) Interior landing gear components
- (p) Closed trailer or container roof bows
- (q) Floor or decking
- (r) Sliding tandem removable locking bars
- (s) Component securements, including bolts, rivets, welds
- (t) Repairs to brakes and components, except repair and servicing due to accumulation of ice and snow. Brake adjustment on trailers or chassis not equipped with automatic slack adjusters may be performed only upon the driver's request, in which case the driver's signature is required, and must be maintained on file.
- (u) Damage to the first three crossmembers behind the grid section of trailers not originally equipped with grid extension plate.

- (v) Trailer/chassis locking assemblies
- (w) Lift pads
- (x) Landing gear operating cross shaft
- (y) Tank container components
- (z) Replacement of dolly crank handle
- (aa) Cleaning and adjustment of electrical connector socket
- (bb) Federal Highway Administration (FHWA), Periodic Inspection (PI) Certification, and other regulatory standards.
- (cc) Renewals or replacements, including application of vehicle license plates and/or registration papers
- (dd) Roll-up doors
- (ee) Side doors

H. REPAIRS AND BILLING

95. Detailed Procedures

For more detailed procedures on repairs and billing, refer to Appendix A.

96. Repairs Exceeding \$450

When the estimated cost of repairs exceeds \$450, or other amount specified by the owner, exclusive of tires and refrigeration unit, repairs shall be handled under the provisions of Section L, Rule 156 or Section M, Rules 165 and 166.

97. Handling Line Responsibility

When a unit damaged in excess of \$450, or other amount specified by owner, is returned to its owner for repairs, the carrier responsible for the damage will be responsible for those items as listed on Form J-2 or recorded image.

98. Repair Cost Limit

In no case shall the cost of repairs to a unit exceed its depreciated value less salvage, except as provided in agreements between carriers and handling lines.

99. Standards for Repair

When repairs are made to a unit, the owner's standard must be maintained, and material applied must be of similar quality and type as material removed. Repairs are subject to the procedures of Appendix B. Repairs, when completed, are subject to acceptance by the unit owner. If the owner's standard(s) for the applicable repair or replacement of specific component(s) is stenciled on the unit, such standard must be followed.

100. Safety; Conditioning For Loading

Any unit that requires repairs to render it safe for handling, or to condition it for loading, may be repaired subject to provisions of these Intermodal Interchange Rules. However, if repairs are made in order to condition the unit for loading, the repairing company must load the unit before releasing or interchanging it in order to justify the bill for repairs.

101. Repairs Requiring Authorization

- (a) All repairs to the following unit components must be performed only by authorization, and at the direction of the owner:
- (1) Kingpin and/or upper coupler assembly
 - (2) Anti-skid braking devices
 - (3) Exterior fiberglass sidewalls
 - (4) Top and bottom rails; corner posts; stacking posts
 - (5) Refrigeration trailer or container end doors

(6) Brake adjustment on trailers or chassis equipped with automatic slack adjusters, except as may be required by government regulation. Brake adjustment on trailers or chassis not so equipped may be performed only upon the driver's request, in which case the driver's signature is required, and must be maintained on file.

(7) The repair or replacement of DOT Under Ride Guards (ICC Bumpers) that are certified in accordance with FMVSS 223 and FMVSS 224 effective January 26, 1998.

(b) Units identified with improper repairs by handling line must be handled as follows:

If the estimated cost of correcting the improper repairs exceeds \$100, the cost shall be subject to acceptance by the delivering carrier or carrier responsible for such improper repairs. If the carrier responsible for improper repairs cannot be determined, authorization must be obtained from the equipment owner to correct improper repairs. Authorization requests must be supported with photographs and proof improper repair was not performed on the Handling Carrier's line.

102. Citations

The unit owner or lessor shall make full payment on the citation. The rail carrier in possession of the rail-controlled unit at the time of the citation may be rebilled by the unit owner or lessee.

I. ADJUSTMENT OR TRANSFER OF UNITS AND/OR LADING

110. Delivering Carrier Responsibility

(a) Compliance With Loading Rules

Lading shall be properly distributed, secured and blocked, and in compliance with the AAR Intermodal Loading Guide for Products in Closed Trailers and Containers, and the AAR Mechanical Section 7 Rules Governing the Loading of Commodities on Open Top Trailers To Be Handled in Trailer/Container-On-Flat-Car (TOFC/COFC) Service [which includes flat bed and platform equipment].

(b) Adjustment/Transfer of Units and Lading

Adjustment or transfer of units, and/or lading shall be the responsibility of the delivering carrier as follows:

(1) Shifted Contents/Improper Loading

When a trailer or container is delivered by rail, street or highway for interchange, and requires adjustment of lading, due to shifted contents or improper loading.

(2) Defective Trailer or Container

When requiring transfer or adjustment of lading due to a defective trailer or container, which cannot be readily repaired.

(3) Defective Car/Attachment

When requiring transfer of unit due to a defective carrying car or attachment, which cannot be readily repaired.

111. Originating Carrier Responsibility

The following shall be the responsibility of originating carrier:

(a) Transfer – Clearance Violation

Transfer due to clearance violation as outlined in Section A, Rule 4.

(b) Transfer and Delivery – Overload

Transfer due to overload, if in violation of Rule 5, Section A. If a portion of the load must be transferred to another trailer or container, all costs of delivering second trailer or container shall be the responsibility of originating carrier.

(c) Damage – Overload

Damage to trailer or container due to overloading, if in violation of Section A, Rule 5.

J. FORMS AND REPORTS

120. General Instructions

Forms and/or reports as required by these rules shall be in accord with the following provisions as to form, use, and manner of preparation. Any suitable equivalent form, report or electronic image may be used, provided it embodies the minimum information required.

121. Unit Interchange and Safety Inspection Report, Form J-1

This form, equivalent or recorded image shall be prepared by an authorized representative each time a unit is offered for interchange movement by street or highway. **[See Figure 2]**

A recorded image is defined as a high resolution photograph or video.

At locations with electronic camera technology that captures images of equipment and damage, it shall not be a requirement to provide notification of damage at time of interchange. Any invoice for damage to the equipment shall be accompanied by an electronic picture of the actual interchange of the unit showing damage with a date and time stamp.

122. Unit Damage Responsibility Report, Form J-2

(a) Preparation and Use of Form

(1) Damage Form and Distribution

This form **[see Figure 3]** shall be prepared by an authorized representative of the handling carrier, to document damage or loss for which the handling carrier is responsible. The form shall be prepared at the of interchange, and then accompany the bill for repairs to the carrier responsible.

One copy shall be forwarded to a processor for electronic distribution and billing. One copy shall be retained by the issuing party. Copies shall be forwarded within 48 hours from the time of preparation. The processor will electronically distribute copies of Form J-2 to delivering and receiving parties.

(2) Recorded Image

A recorded image of the damage, taken at the time and place of interchange, may be used in lieu of a written Form J-2. This recorded image may be used to document damage or loss for which the handling carrier is responsible.

(3) Interchange With Unrepaired Damage Not Covered by Form

In the event a unit is offered in interchange with unrepaired damage or loss for which the delivering carrier is responsible, and which is not covered by a copy of this form, the receiving carrier shall obtain from the delivering carrier one of the J-2s described in Section (a), or a recorded image of the damage.

(4) Time Limit for Repair

Damage covered by this report must be repaired within 90 days from date of J2; facilities equipped with automatic gates systems must have damages repaired within 45 days of interchange to justify bill for repairs.

(5) Associated Damage

When performing repairs to Form J-2 defects listed below, it is allowable to repair and bill for the associated damaged item(s), if necessary for a proper repair. However, if the estimate of associated repairs exceeds \$250, or another amount specified by a responsible party, endorsement by the responsible party must be secured prior to repairs being made.

<u>J-2 Defect</u>	<u>Associated Damage</u>
(1) Nose rail/corner cap	Roof sheet at nose, nose panels, radius panel/corner post, nose post
(2) Side panel	Side post(s), interior/floors
(3) Radius panel	Panel/interior/corner cap
(4) Nose panel	Nose post, plyliner
(5) Rear header	Roof sheet at rear,
(6) Roof sheet	Roof bow(s), plyliner
(7) Door(s)	Lockrods, hinges, door posts, rear sill, rear header
(8) Top rail	Roof sheet/roofbow(s), panels, top rail protectors, side posts
(9) Crossmember(s)	Flooring
(10) Landing Gear	Braces, crossmember(s), floor, wing plate(s), cross channel upper, tunnel rail
(11) Bottom Rail	Side panels, crossmembers, lift pads, side posts

The above associated damage table is to be used as a guide. Associated damage is damage to adjoining components occurring in the same incident.

(b) Exception to Form

After issuance, this report must not be altered and shall be binding. It is the responsibility of the party taking exception to Form J-2 under provisions of Rule 122(a)(5), Time Limit for Repair, to provide equipment movement information to the billing party to substantiate exception.

(c) Provision of Rebill Authority

When a unit is returned to its owner, the delivering carrier shall provide the owner with rebill authority within 48 hours, excluding Saturdays, Sundays, and holidays, from written or electronic notification by the owner to the delivering carrier of damages, unless in dispute. Failure to provide the owner with rebill endorsement authority, unless in dispute, shall constitute a valid acceptance by the delivering carrier of damages as specified on Form J-2, or its equivalent.

123. Authority For Adjustment Or Transfer Of Unit Or Lading, Form J-3

(a) Preparation and use of Form

This form [see Figure 5] or electronic equivalent shall be prepared in triplicate by an authorized representative of the handling carrier, when it is necessary to transfer or adjust lading in a trailer or container, or a unit on a car, and it is the responsibility of the carrier as set forth in Section I, Adjustment Or Transfer Of Units And/Or Lading, of these rules.

The original form shall accompany the bill, one copy shall be forwarded to the carrier responsible, and one copy shall be retained by the handling carrier.

(b) Expense Responsibility

The expense of adjustment or transfer of unit or lading shall be handled by contract.

124. Vacant

125. Authority for Counterbilling, Form J-5

(a) Purpose

Counterbilling authority shall be used for monetary adjustment between the parties concerned [see Figure 7].

(b) Completion of Form

All details in Counterbilling Authority, Form J-5 must be properly filled out.

126. FHWA-PI Certification, Form J-6

This form [see Figure 8] shall be prepared by a certified FHWA-PI inspector as follows: The original or an electronic version thereof shall accompany the bill, one copy shall be placed on the trailer or chassis, one copy shall be forwarded to the owner within 30 days after certification, and one copy shall be for the inspector.

127. FHWA-PI Certification Acknowledgment, Form J-7

(a) The Form J-7 (decal) [see Figure 9] shall be applied to the lower right front center (nose) of the trailer (curb side).

(b) The Form J-7 (decal) [see Figure 9] shall be applied on chassis on the left side main rail next to the document holder (viewable when loaded). It shall be at least 6" by 4 ½" in size.

The decal shall have black letters on a white background. It shall be at least 8 ½ by 8 ½ inches in size. Its letters shall have the following minimum dimensions:

"AAR FORM J-7": ½ inch

"FHWA – PI," "MONTH, YEAR": 1 inch

Other letters: 5/16 inch

128. AAR FLAT FILE FORMAT

The “J File” allows for the electronic exchange of damage data. Refer to **Appendix D** for structure and sample.

Figure 2

Form J-1
UNIT INTERCHANGE AND SAFETY INSPECTION FORM

Initial _____ Number _____ Van Container Chassis

Station _____ Date _____ Time _____

Delivered By _____ Received By _____

Seal No. _____ License No. _____

Origin _____ Route _____ Destination _____

MARK CLEARLY ALL DAMAGE BY INSPECTION SYMBOL "C" CUT, "B" BENT, "K" BROKEN, "M" MISSING

EXPLAIN DEFECTS:

TIRE CONDITIONS: "C" CUT, "SF" SLID FLAT, "RF" RUN FLAT, "M" MISSING

ROF _____	LOF _____
RIF _____	LIF _____
ROC _____	LOC _____
RIC _____	LIC _____
ROQ _____	LOQ _____
RIQ _____	LIQ _____
RIR _____	LIR _____
ROR _____	LOR _____

INSPECTED AND EXCEPTIONS NOTED

DELIVERED BY _____ RECEIVED BY _____

INSPECTED BY _____ INSPECTED BY _____

Figure 3

INTERMODAL EQUIPMENT DAMAGE FORM J-2

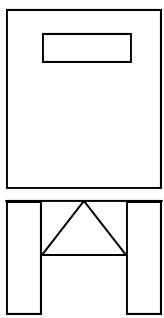

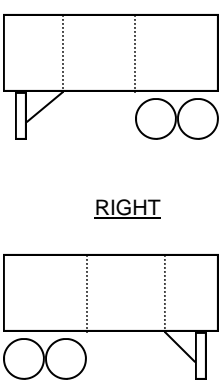
No. _____ - _____

Equipment Initials _____ Equipment Number _____ Van Container Chassis

Delivered by _____ via Street Rail to _____

at (Station) _____ on (Date) _____ Load Empty

Responsibility. _____ Railcar: Initials/No. _____ Chassis: Initials/No. _____

<p>NOSE</p> <p><input type="checkbox"/> TOP NOSE RAIL <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QTY _____ DIMENSIONS _____</p> <p><input type="checkbox"/> NOSE PANEL(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT QTY _____ DIMENSIONS _____</p> <p><input type="checkbox"/> INT. NOSE POST(S) <input type="checkbox"/> EXT. NOSE POST(S) <input type="checkbox"/> <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QUANTITY _____</p>  <p><input type="checkbox"/> CORNER CAPS <input type="checkbox"/> LEFT <input type="checkbox"/> RIGHT <input type="checkbox"/> CUT <input type="checkbox"/> BRO.</p> <p><input type="checkbox"/> RADIUS PANEL CORNER POST <input type="checkbox"/> R- <input type="checkbox"/> BENT <input type="checkbox"/> CUT DIMENSIONS _____</p> <p>L- <input type="checkbox"/> BENT <input type="checkbox"/> CUT DIMENSIONS _____</p> <p><input type="checkbox"/> FRONT SILL BULKHEAD <input type="checkbox"/> <input type="checkbox"/> BENT <input type="checkbox"/> CUT DIMENSIONS _____</p>		<p>TOP</p> <p><input type="checkbox"/> ROOF <input type="checkbox"/> BENT DIMENSION _____ <input type="checkbox"/> CUT DIMENSION _____</p>  <p><input type="checkbox"/> INTERMEDIATE HEADER <input type="checkbox"/> FRONT <input type="checkbox"/> REAR <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. FRONT DIMENSION _____ REAR DIMENSION _____</p>		<p>UNDERFRAME</p> <p><input type="checkbox"/> CHASSIS BOLSTER <input type="checkbox"/> FRONT <input type="checkbox"/> REAR <input type="checkbox"/> BENT <input type="checkbox"/> CUT FRONT DIMENSION _____ REAR DIMENSION _____</p> <p><input type="checkbox"/> SLIDER RAIL <input type="checkbox"/> LS <input type="checkbox"/> RS <input type="checkbox"/> BENT <input type="checkbox"/> CUT LS DIMENSION _____ RS DIMENSION _____</p> <p><input type="checkbox"/> CHASSIS CROSSMEMBER(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT QUANTITY _____</p> <p><input type="checkbox"/> MAIN FRAME RAIL <input type="checkbox"/> LS <input type="checkbox"/> RS <input type="checkbox"/> BENT <input type="checkbox"/> CUT LS DIMENSION _____ RS DIMENSION _____</p> <p><input type="checkbox"/> RIM(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> MS <input type="checkbox"/> TUBE <input type="checkbox"/> TUBELESS LOCATION(S) _____</p> <p><input type="checkbox"/> CROSSMEMBER(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> LEGS <input type="checkbox"/> BAY <input type="checkbox"/> TANDEM QUANTITY _____</p> <p><input type="checkbox"/> TUNNEL RAIL(S) <input type="checkbox"/> LS <input type="checkbox"/> RS <input type="checkbox"/> BENT <input type="checkbox"/> CUT</p> <p><input type="checkbox"/> OUTRIGGER(S) <input type="checkbox"/> LS <input type="checkbox"/> RS <input type="checkbox"/> BENT <input type="checkbox"/> CUT LS - QTY _____ RS - QTY _____</p>	
<p>SIDES</p> <p>LEFT</p> <p><input type="checkbox"/> TOP SIDE RAIL <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QTY _____ DIMENSIONS _____</p> <p><input type="checkbox"/> SIDE PANEL(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT QTY _____ DIMENSIONS _____</p> <p><input type="checkbox"/> INT. SIDE POST(S) <input type="checkbox"/> EXT. SIDE POST(S) <input type="checkbox"/> <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QUANTITY _____</p> <p><input type="checkbox"/> STACKING POST <input type="checkbox"/> FRONT <input type="checkbox"/> REAR <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. FRONT DIMENSION _____ REAR DIMENSION _____</p> <p><input type="checkbox"/> BOTTOM SIDE RAIL <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QTY _____ DIMENSIONS _____</p>  <p>RIGHT</p> <p><input type="checkbox"/> TOP SIDE RAIL <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QTY _____ DIMENSIONS _____</p> <p><input type="checkbox"/> SIDE PANEL(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT QTY _____ DIMENSIONS _____</p> <p><input type="checkbox"/> INT. SIDE POST(S) <input type="checkbox"/> EXT. SIDE POST(S) <input type="checkbox"/> <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QUANTITY _____</p> <p><input type="checkbox"/> STACKING POST <input type="checkbox"/> FRONT <input type="checkbox"/> REAR <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. FRONT DIMENSION _____ REAR DIMENSION _____</p> <p><input type="checkbox"/> BOTTOM SIDE RAIL <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO. QTY _____ DIMENSIONS _____</p>		<p>REAR</p> <p><input type="checkbox"/> DOORS <input type="checkbox"/> R- <input type="checkbox"/> BENT <input type="checkbox"/> BRO <input type="checkbox"/> L- <input type="checkbox"/> BENT <input type="checkbox"/> BRO L-_____, R-_____ QUANTITY _____</p> <p><input type="checkbox"/> LOCKRODS <input type="checkbox"/> BENT <input type="checkbox"/> BRO L-_____, R-_____ QUANTITY _____</p> <p><input type="checkbox"/> HINGES <input type="checkbox"/> BENT <input type="checkbox"/> BRO L-_____, R-_____ QUANTITY _____</p> <p><input type="checkbox"/> REAR HEADER <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO DIMENSIONS _____</p> <p><input type="checkbox"/> REAR SILL <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO DIMENSIONS _____</p> <p><input type="checkbox"/> DOOR POST <input type="checkbox"/> LR <input type="checkbox"/> RR <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO DIMENSIONS _____</p> <p><input type="checkbox"/> DOT UNDER-RIDE GUARD <input type="checkbox"/> BENT <input type="checkbox"/> BRO DIMENSIONS _____</p>		<p>LEGS</p> <p><input type="checkbox"/> LANDING LEGS <input type="checkbox"/> GEAR <input type="checkbox"/> NON-GEAR <input type="checkbox"/> LS <input type="checkbox"/> RS <input type="checkbox"/> BENT <input type="checkbox"/> BRO</p> <p><input type="checkbox"/> DIAGONAL BRACE(S) <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO LS-_____, RS-_____ QUANTITY _____</p> <p><input type="checkbox"/> CROSSBRACE, LOWER <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO</p> <p><input type="checkbox"/> MOUNTING BRACKET (WING PLATE) <input type="checkbox"/> LS <input type="checkbox"/> RS <input type="checkbox"/> BENT <input type="checkbox"/> CUT <input type="checkbox"/> BRO</p> <p><input type="checkbox"/> CRANK SHAFT <input type="checkbox"/> BENT <input type="checkbox"/> BRO</p> <p><input type="checkbox"/> CROSS CHANNEL UPPER <input type="checkbox"/> BENT <input type="checkbox"/> BRO</p> <p><input type="checkbox"/> TIRES AND TUBES C=CUT, SF=SLID FLAT, RF=RUNFLAT, MS=MISSING LOF _____ LIF _____ LOR _____ LIR _____ ROF _____ RIF _____ ROR _____ RIR _____</p>	

OTHER _____

Inspected by: _____

Employed by: _____ 25

Figure 5

Form J-3

Intermodal Service

No. _____

Authority for Transfer or Adjustment of Intermodal
Equipment or Intermodal Lading

Equipment Owner _____ Equipment _____
or Initials _____ Number _____ Type _____

If interchanged by rail: Carrying Cars Initials _____ No. _____

Contents of Equipment _____ Name of Shipper _____

Station Loaded _____ Originating road _____

Delivered by _____ RR To _____ RR Via _____
Rail or Street

At (Station) _____ Date _____ 20 _____

Lading in Equipment _____ (Adjusted or Transferred)	If transferred: Equipment transferred to _____ (Initials & Number)
Equipment on car _____ (Adjusted or Transferred)	If transferred: Car transferred to _____ (Initials & Number)

By _____ RR At _____ On _____ 20 _____

Account of _____

Chargeable to _____

Date Issued _____ 20 _____ Per _____

This form must be prepared according to the procedures outlined in AAR Intermodal Interchange Rule 123

Figure 7

Form J-5

(Name of Company)

COUNTERBILLING AUTHORITY

NO. _____

NO. _____

DATE: _____

(PREPRINTED ADDRESS)

DATE: _____

AMOUNT: _____

FILE: _____

THIS WILL AUTHORIZE _____

TO COUNTERBILL *(Name Of Above Company, Preprinted)*

ISSUED TO: _____

\$ _____ DOLLARS

TO ADJUST OVERCHARGE IN BILL NO. _____,
UNDERCHARGE

ACCOUNT OF: _____

_____, ISSUED IN THE AMOUNT OF \$ _____
(Dated)

(State Details Here)

THIS AUTHORITY MUST BE
ATTACHED TO BILL _____

(TITLE)

Figure 8

(Sample) Form J-6

Federal Highway Administration (FHWA) Periodic Inspection (PI)

(This Form Or Similar Form Meeting Requirements Of DOT Regulations Must Be Used)

TRAILER INITIAL & NUMBER _____

CHASSIS INITIAL & NUMBER _____

CONTROLLING OWNER _____
(ACCORDING TO EQUIPMENT MARKS)

VEHICLE IDENTIFICATION NUMBER (VIN) _____
(OPTIONAL)

LOCATION INSPECTION PERFORMED _____

<u>ITEM CHECKED</u>	<u>OK</u>	<u>DEFECT</u>	<u>REPAIRED ITEMS</u>
LIGHTS	_____	_____	_____
REFLECTORS	_____	_____	_____
WIRING	_____	_____	_____
BRAKES	_____	_____	_____
AIR LINES	_____	_____	_____
KINGPIN	_____	_____	_____
TIRES	_____	_____	_____
WHEELS & RIMS	_____	_____	_____
FRAME & ASSEMBLY	_____	_____	_____
SUSPENSION	_____	_____	_____
AXLES	_____	_____	_____

TIRE PRESSURES:

LOR ___ LIR ___ LOQ ___ LIQ ___ LOC ___ LIC ___ LOF ___ LIF ___

ROR ___ RIR ___ ROQ ___ RIQ ___ ROC ___ RIC ___ ROF ___ RIF ___

I CERTIFY THAT THIS UNIT WAS INSPECTED _____ AND
(MONTH/YEAR)

MEETS REQUIREMENTS IN ACCORDANCE WITH 49 CFR PART 396.

Inspector's Name (Print)

Inspector's Signature

Name of Company Performing Repairs _____

Figure 9

(Sample) **Form J-7**

USE THIS DECAL IF FORM J-6 ACCOMPANIES VEHICLE

FHWA - PI

MONTH 3

YEAR 96

(Sample) **Form J-7**

DOES NOT ACCOMPANY VEHICLE

**FHWA - PERIODIC
INSPECTION**

CERTIFICATION

This vehicle has passed an inspection in accordance with 49 CFR Part 396 and must be reinspected during or before the same calendar month one year after the date shown below. Information on the contents of the inspection report can be obtained by contacting the Owner/Lessee.

PHONE _____

DATE OF INSPECTION

MO-YR - 97

[Stick-on Numbers] **1 2 3 4 5 6 7**

8 9 10 11 12 97 98

K. SETTLEMENT OF DISPUTES AND REVISION OF RULES

136. Arbiter of Rules

The Intermodal Operations Sub-Committee of the AAR shall interpret these Rules and settle disputes thereunder. The Intermodal Operations Sub-Committee may initiate, and shall give consideration to, requests for changes to these Rules.

Disputes or questions for interpretation or arbitration arising under these rules between subscribers to said rules may be referred to the Intermodal Operations Sub-Committee Chairman through its AAR Representative in one of the following manners and formats.

137. Interpretation of Rules

When formal arbitration of a dispute is not desired, and the matter involves interpretation of a Rule and/or ruling on a specific case, the communication from either of the parties involved should contain all pertinent related information and, where available, copies of letters and/or unit billing repair forms associated with the particular incident.

138. Formal Arbitration

(a) Material to be Submitted

When formal arbitration of a dispute is desired, the contents of the submission to the Intermodal Operations Sub-Committee should be as follows:

(1) Both Parties Agree To Arbitration

Where both parties agree to arbitration, three abstracts of all pertinent information, each consisting of not more than three typewritten pages, letter size, single spaced, as follows:

1. An agreed statement of facts (signed by both parties)
2. Statement of plaintiff
3. Statement of defendant

(2) One Party Declines To Submit To Arbitration

Where one of the parties declines to submit to arbitration (*ex parte*), an abstract of all pertinent information consisting of not more than three typewritten pages, letter size, single spaced, shall be submitted. Where available, copies of letters and/or unit billing repair forms associated with the particular incident may accompany the abstract(s).

(b) Procedures

The following principles should be observed in preparing cases for submission to formal arbitration, and should serve as a guide for the proper handling of other disputes:

(1) Roles

(a) In the event of a dispute over responsibility for a charge which is involved in a bill, if the parties cannot reach a conclusion, the carrier against which the bill is rendered will be the plaintiff.

(b) In the event of dispute over a question of responsibility on a unit where a bill has not been rendered, the carrier having the trailer in its possession will be the plaintiff.

(c) In the event of a dispute in connection with a claim made for a unit damage responsibility report, the carrier instituting such claim will be the plaintiff.

(2) Statements

(a) Agreed Statement of Facts -- The plaintiff should prepare the Agreed Statement of Facts, so far as both parties are able to agree. Brief reference should also be made to the particular question upon which a decision is desired. This statement of facts, in triplicate, should be signed by both parties, one copy to be retained by the plaintiff, and the original and one copy to be forwarded to the defendant.

(b) Plaintiff's Statement -- The defendant shall prepare in triplicate, a separate statement, outlining his side of the case in concise form, sign same, retain one copy, and forward the original and one copy to the defendant.

(c) Defendant's Statement -- The defendant shall prepare in triplicate, a separate statement outlining his side of the case in concise form, sign same, and forward one copy to the plaintiff. The defendant shall forward the original statements of both parties, as well as the Agreed Statement of Facts, to the Intermodal Operations Sub-Committee AAR Representative.

(3) Presence of Principals

Either party involved in the dispute may appear before the Intermodal Operations Sub-Committee to answer questions concerning the involved controversy, and then be excused. In any dispute where a member of the Intermodal Operations Sub-Committee is a party to the dispute, the member will not be present during the discussion and decision on the matter in controversy, except to the extent permitted in this paragraph.

(4) Finality

The formal arbitration decisions of the Committee shall be final and binding upon the parties concerned.

139. Rules Revisions

The Intermodal Operations Sub-Committee shall submit, other than editorial changes, proposed rules revisions to the subscribers for comment, except those which must be promptly published due to government regulation.

L. SETTLEMENT FOR DESTROYED, BADLY DAMAGED, OR STOLEN UNITS—HANDLING CARRIER RESPONSIBILITY

156. Destroyed, Badly Damaged or Stolen Units

(a) Notification, Depreciated Value and Disposition

When the estimated cost of complete repairs to a foreign unit for which the handling company is responsible, exceeds \$450, or another amount specified by the owner, exclusive of tires, the owner must be advised, and requested to furnish disposition of unit.

The owner, upon request of the handling company, shall furnish disposition at the time of notification, based on the provisions of this section.

In the absence of disposition advice within 10 working days, the handling carrier may apply Unit Damage Responsibility Report Form J-2, and forward the unit home to the owner, loaded on a freight car, or on its own wheels to nearest point of interchange, advising the owner of such handling, and assuming all transportation and handling costs, except transportation over the owner's line.

Upon request, the owner shall also provide a statement showing the depreciated value of the unit.

(b) Repair Costs Over Limit

Settlement for destroyed, badly damaged, or stolen units shall be determined as provided in agreements between owners and handling lines.

If it is estimated by the handling carrier that the cost of complete repairs will exceed the depreciated value less salvage, the matter shall be handled as prescribed by agreements between the handling carrier and owner.

(c) Salvage Value

Salvage value shall be determined as provided in agreements between the owner and handling line.

157. Handling Company Repair

If it is estimated by the handling company that damage is less than the depreciated value less salvage, it may make complete repairs of \$450 (or other amount specified by owner) or less, exclusive of tires, as its own expense, and return the unit to service.

158. Units Requested Home for Repairs

If the owner requests that a unit be returned home for repairs, it shall be so handled, even if the handling carrier is in a position to, and desires to, make such repairs. However, in such case, the owner shall pay all transportation costs incurred on other than the handling carrier's lines, and shall assume handling costs of the damaging line, not to exceed \$200. Handling lines must not unnecessarily cut up badly damaged units to facilitate handling.

159. Equipment types

Equipment types are defined as follows:

(a) Van

A closed unit with fixed and end, fixed or sliding metal roof, end doors, with or without side doors, and non-insulated.

(b) Insulated Van

Same as (a), Van, but with insulated sides and roof. May or may not have floor insulation.

(c) Open Top

A trailer without roof, and with fixed sides and front end. May have end doors or gates, or removable rear end.

(d) Platform

A trailer without roof, and with removable side panels, racks or stakes. May have fixed or removable front and/or rear end.

(e) Flat Bed

A trailer without roof, and with floor only, and without fixed or removable sides, racks or panels. May have fixed or removable front and/or rear end.

(f) Extendable

A trailer with full or partial floor supports, or modified supports, that may be extended to handle over-dimensional length loads, or loads longer than the normal length of that trailer.

(g) Reefer/Heater

A closed trailer similar to (a), Van, but insulated in sides, roof, floor and all doors. May have front, side and/or rear doors, or any combination of same. It is permanently equipped with a mechanical unit, or other means for providing refrigeration and/or heat.

(h) Other

Other types of trailers, including stock, auto transport, bulk loader and tank.

(i) Container

Any of the above types (a) through (h), which are not equipped with wheels or landing gear.

(j) Chassis

An underframe equipped with wheels, landing gear, and king pin assembly for handling of containers. May be single or multiple axle.

(k) Extendable Chassis

A chassis with adjustable main rails to accommodate varying container lengths.

(l) Bogie

A wheel assembly, either single or multiple axle.

(m) Axle assemblies

Axle assemblies under trailers are designated as a single, tandem, triple or quad, depending on whether one, two, three or four axles are employed.

(n) Wheel Assemblies

Wheel assemblies on axles are designated as single or dual, with single referring to one wheel on each end of the same axle, and dual referring to two wheels on each end of the same axle.

(o) Rail-Compatible Trailer

A trailer which can move in hybrid highway/rail service without requiring a carrying car.

(p) Tank Containers

A cylindrical structure contained within a rectangular frame of standardized dimensions quickly transferable as a complete module between a number of modes of transportation.

(q) Tank Trailer

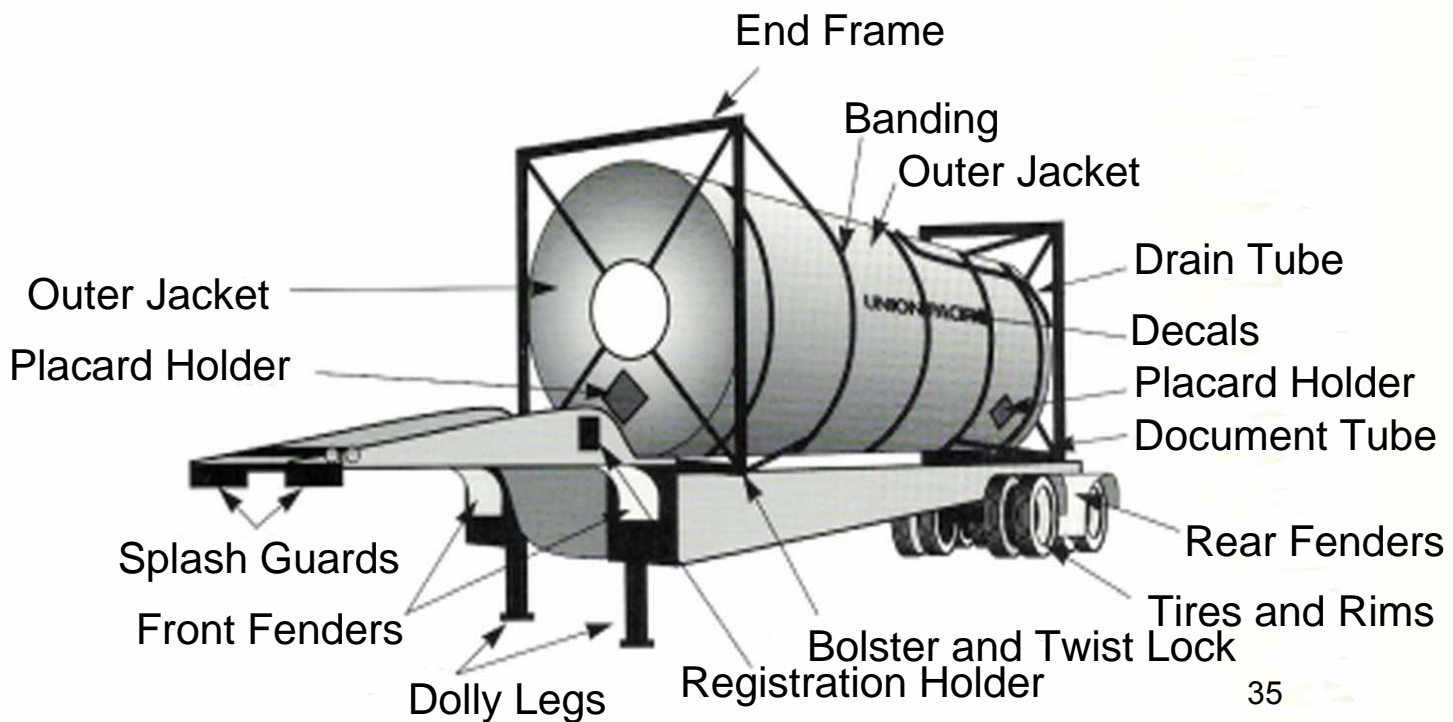
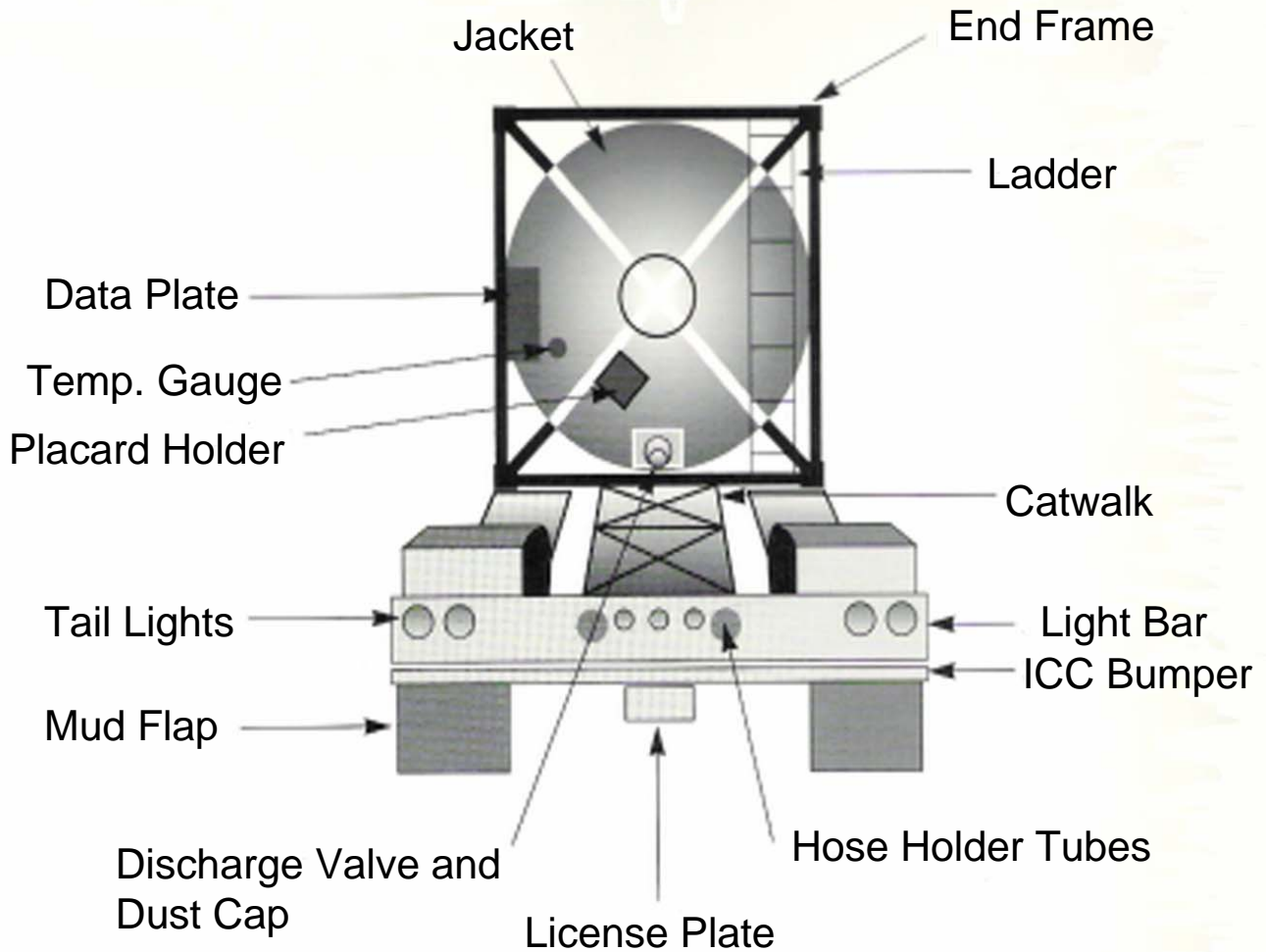
A cylindrical structure permanently affixed to wheels.

(r) Genset

Container or chassis equipped with generator power unit.

TANK CONTAINER

Figure 10



M. SETTLEMENT FOR DEFECTIVE UNITS—OWNER'S RESPONSIBILITY

165. Notification

When a foreign unit has owner defects, and the estimate of repairs exceeds \$450, or another amount specified by the owner (exclusive of tires and reefer/heater repairs described in Sections B and D of these Rules), the owner must be notified. Notification shall include the major defects and the estimated cost of repairs.

166. Disposition

The owner must furnish disposition within 10 working days of the date of notification.

(a) Return Home

If the owner elects to have the unit returned home, the owner must reimburse the handling carrier the actual cost of loading, and assume the freight charges over intermediate lines.

(1) Dispute

If the owner elects to have the handling carrier return the unit, and upon return of the unit there is a dispute over responsibility, the handling carrier must be given an opportunity for a joint inspection.

(b) Disposal

If the owner elects to have the handling carrier dispose of the unit, the handling carrier shall sell the unit, allowing the amount of the sale to the owner, less the handling carrier's expense to dispose of the unit.

N. LOCATIONS, MARKINGS, AND AEI

171. Location Designations

For uniformity in reporting location of unit parts in connection with inspection or repairs, the following will govern. Such location designations shall be shown on all repair bills, forms or reports submitted where location information is involved.

(a) Front/Rear

The end of the unit to which the tractor power unit is attached shall be known as the front end, and the opposite end shall be known as the rear end.

(b) Other

Facing the rear end of the unit, the side to the right shall be known as the right side, and wheels, tires, rims, etc., shall be known as right outside rear (ROR), right inside rear (RIR), right outside quad (ROQ), right inside quad (RIQ), right outside center (ROC), right inside center (RIC), right outside front (ROF), and right inside front (RIF).

Similarly, the side to the left shall be known as the left side, and locations shall be known as left outside rear (LOR), left inside rear (LIR), left outside quad (LOQ), left inside quad (LIQ), left outside center (LOC), left inside center (LIC), left outside front (LOF), and left inside front (LIF).

If only a single axle assembly is involved, it shall be considered as "rear", and if a triple axle assembly is involved, the designations shall be "front", "center" and "rear". If a quad axle assembly is involved, the designations shall be "front", "center", "quad", and "rear". If single wheels are involved instead of dual wheels, single wheels shall be designated as "outside".

172. Stenciling -- Weight, Height, Capacity

All trailer, container, and chassis equipment used in interchange service must carry stenciling, preferably on the lower portion of the left side, near the front end of the unit, showing the empty weight and height of the unit, using not less than two inch letters and figures. In addition to the empty weight, trailers or containers handling bulk liquid commodities must carry stenciling to indicate capacity in U.S. gallons.

(a) Alteration of Stencils

The empty weight of the trailer or container, its capacity in U.S. gallons may not be altered, or applied to the trailer or container, except by the owner or lessee of the trailer or container.

(b) Included in Empty Weight

Only such removable items that are a permanent part of the trailer, including the full complement of items stenciled on the nose of the trailer in accordance with Section E, Accessories and Special Equipment, and which accompany trailer at all times, shall be included in stenciled empty weight.

QUAD AXLE DIAGRAM

FRONT

FRONT AXLE

ROF

LIC = LEFT
INSIDE CENTER

ROC = RIGHT OUTSIDE
CENTER

CTR

ROQ = RIGHT OUTSIDE
QUAD

QUAD

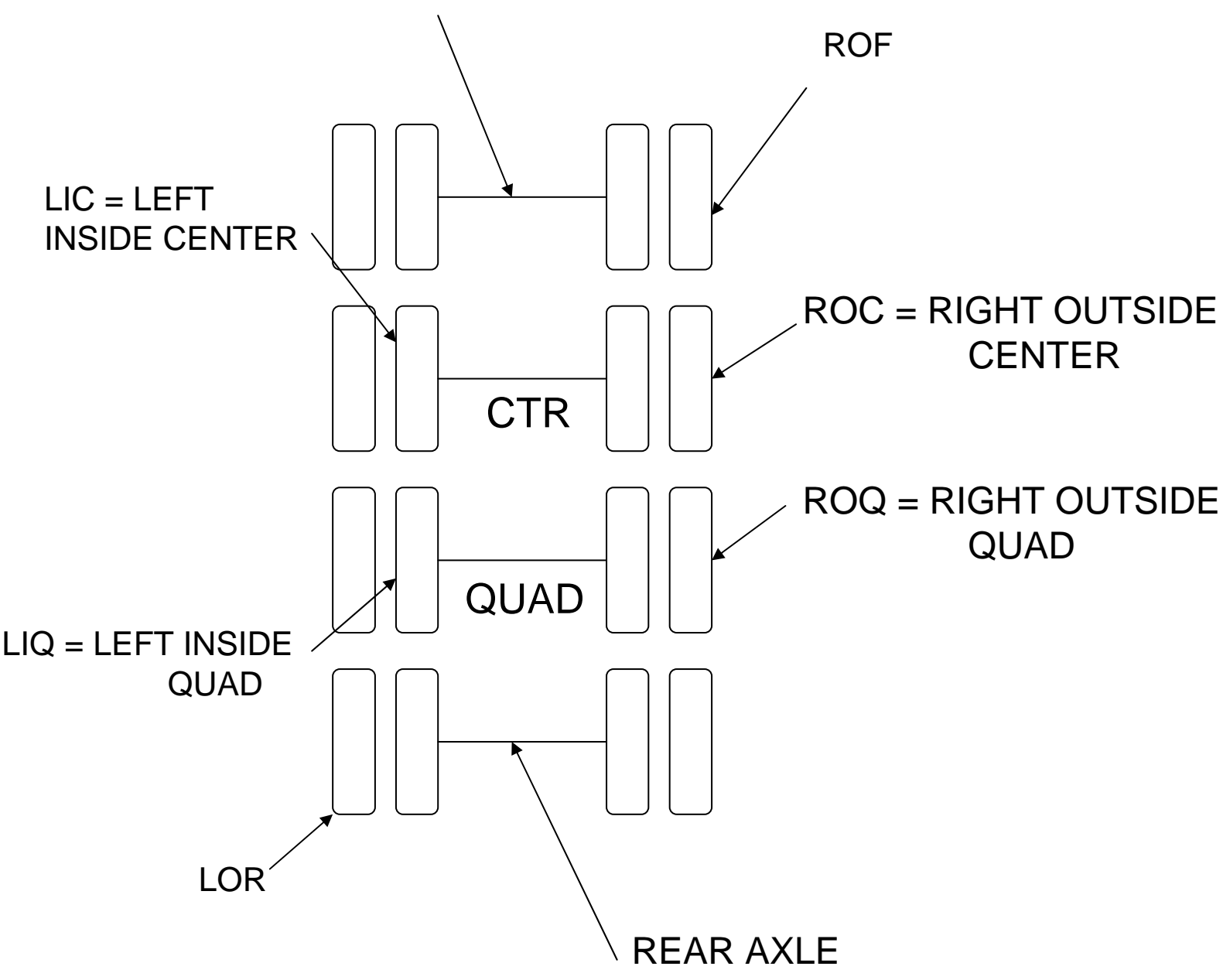
LIQ = LEFT INSIDE
QUAD

LOR

REAR AXLE

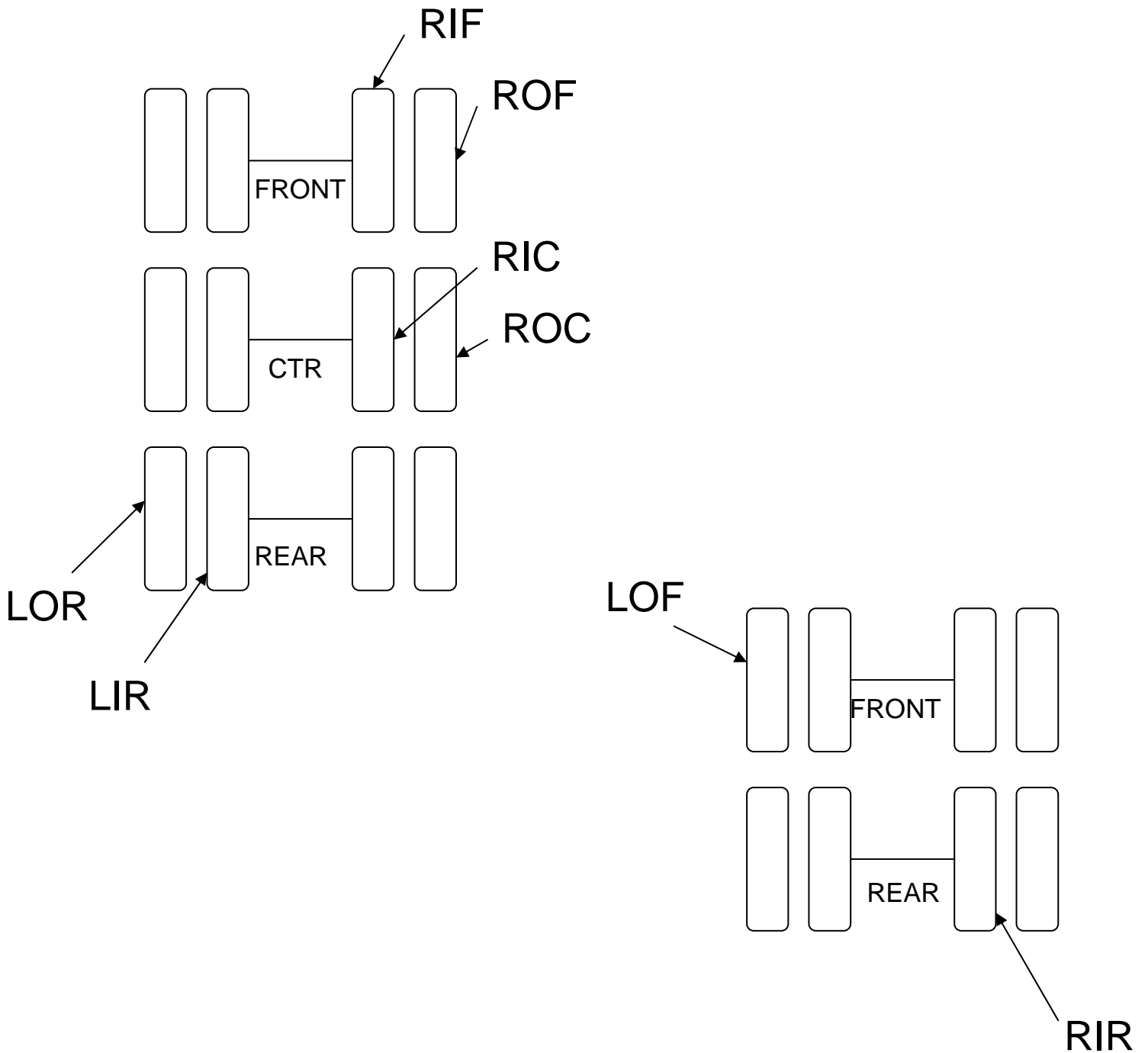
REAR

Figure 11



TRI AND DOUBLE AXLE DIAGRAM

FRONT



REAR

Figure 12

Axle Diagram (Side)

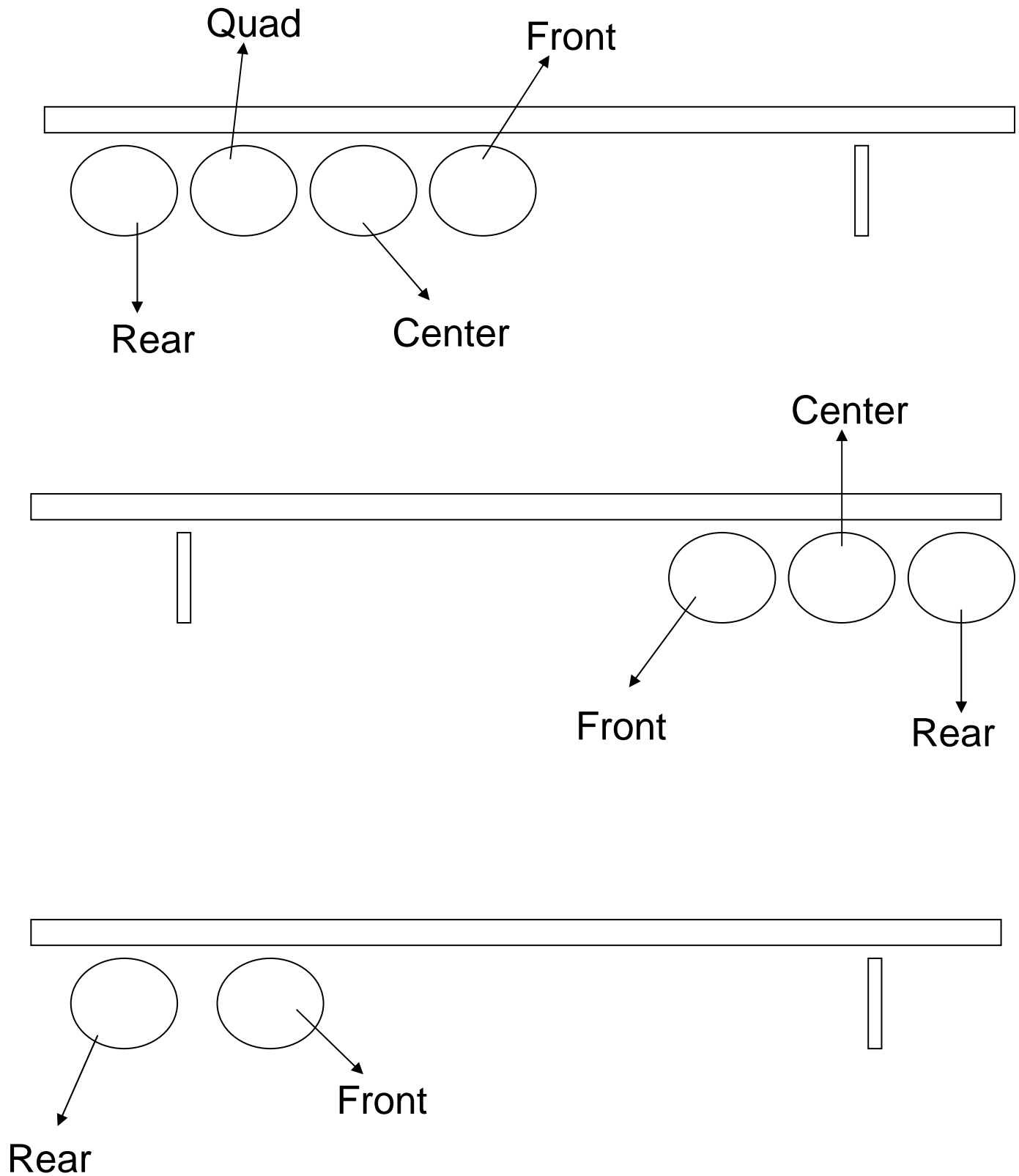


Figure 13

173. Reporting Marks and Numbers

To ensure readability of lettering or marking of units, the following shall govern:

(a) Trailers or Containers

The assigned reporting marks of the owner or lessee, and the trailer or container number must be applied to the trailer or container in accordance with Section 3—Reporting, Code of Trailer and Container Service Rules. Assigned reporting marks and numbers shall be not less than six inches in height on each side of the trailer or container, and not less than six inches in height on the front and rear of the trailer or container.

(b) Bogies and Chassis

Bogies or chassis not attached to a container shall have the name or initials of the owner or lessee, and the number of the unit, applied at one or more locations on the unit, using not less than three inch letters and figures. A metal ownership plate showing this information, securely attached to the frame of the unit, is acceptable.

(c) Non-Satisfactory Markings

Except as provided in paragraph (e) of this rule, paper, cardboard or similar material which is pasted, glued or taped to the exterior of the unit, or to sign boards attached to the unit, to indicate identification markings for reporting purposes, are not proper or satisfactory markings under this rule.

(d) Short Term Leasing

In the event a unit is operated under a short term leasing arrangement, such as one called “one trip leasing,” or any other leasing arrangement not exceeding ten days duration, and the lessee desires that the unit carry the lessee’s identification markings for reporting purposes, such markings need not comply with provisions of paragraph (c) of this rule.

(e) Change in Status

When a change occurs in either ownership or lessee status, and it is desired, or becomes necessary, to change identification markings used for reporting purposes, previous identification markings and placards and/or stencil markings used for reporting purposes must be removed or obliterated.

174. Hazardous Placards

To ensure visibility of hazardous placards applied to containers, the side placards must be located not less than 18 inches from the top of the container, and not less than 60 inches from the ends of the container.

175. Automatic Equipment Identification

To ensure the uniformity and readability of Automatic Equipment Identification (AEI) tags, the following will govern:

- (a)** AEI tags should conform, both in format and placement on the equipment, to the AEI Standard, S-918, for Automatic Equipment Identification.
- (b)** Non-standard tags must indicate that the tag is non-standard by the use of “111111” in the Data Format Code field, bits 118-123.

O. CONDITIONS OF ACCEPTANCE

180. Subscription to Rules

Any corporation, partnership, individual, railroad, railroad subsidiary motor carrier, leasing company, forwarding company, shipper, shipper association, motor common carrier, or water carrier engaged in Intermodal service may become a party to these rules by executing the standard form of "Interchange Agreement, Intermodal Service," obtainable from the AAR Representative, Intermodal Operations Sub-Committee [50 F Street, NW, Washington, DC 20001; fax 202-639-2930].

181. Acceptance of Rules

Acceptance or rejection of this Code of Rules must be as a whole. However, subscribers may, by mutual agreement, waive or alter any of these rules as between themselves.

P. INTERMODAL INTERCHANGE AGREEMENT

INTERMODAL SERVICE

Subscriber hereby agrees with each other subscriber hereto, except as other agreements between or among subscribers may provide, by filing a signed counterpart of this agreement with the Secretary of the Customer Operations Division, Association of American Railroads, to abide by the Intermodal Interchange Rules, as amended from time to time.

This agreement may be canceled by any subscriber on thirty (30) days notice to the Secretary of the Customer Operations Division, Association of American Railroads.

Subscriber shall promptly notify the Secretary of Customer Operations Division of the Association of American Railroads of any change in any of the information provided below.

Date _____ Subscriber _____
(Company Name)

Signature _____ Name _____
(Print or type)

Title _____

Address _____

Phone _____

Fax _____

APPENDIX A – BILLING PROCEDURES

A1. Required Documents

(a) Form J-2

When repairs are covered by a Unit Damage Responsibility Report (Form J-2 or recorded image), an original, copy, or electronic image of such report must accompany the Unit Billing Repair Form.

(b) FHWA Inspections

When billing for FHWA periodic inspections, the bill for associated repairs, if any, must be included with the original, copy, or an electronic version of Form J-6.

A2. Repair Records

A repair record must be prepared when repairs of any kind are made.

(a) Generation and Retention

When repairs are made to a foreign unit, an original record of repair must be made in detail at the unit, and must be signed. A copy of the repair record must be submitted to the ramp office daily. The repair record must be maintained by the local ramp supervision for at least seven days, for comparison with the final invoice and work actually performed on the unit.

(b) Required Information

The following basic information is common to both the original record of repairs and the Unit Billing Repair Form, and must be shown at all times:

(1) **Reporting marks** (unit initials)

(2) **Unit number**

(3) **Date repairs completed** (Mo-Day-Year)

(4) **Repair point locations** (Standard Point Location Code, SPLC)

A3. Billing Categories

Separate bills must be prepared for the following:

(a) Settlement for units destroyed or stolen

(b) Settlement for defective units (owner's responsibility)

(c) Transfer or adjustment of loads.

A4. Billing Formats

Unit repair billing must be submitted in mechanized billing per Rule A5.

A5. Mechanized Billing

Mechanized billing must:

- (a)** Itemize all repairs
- (b)** Include all repairs billed
- (c)** When produced, be printed on standard letter size (8 ½" x 11") stock, with only one unit bill per sheet. Alternatively, as provided by agreement between the billing and responsible parties, billing may be performed through electronic submission, tape submission, or as otherwise agreed upon.

(d) Required Information:

- (1) Name of billing company
- (2) Name of company performing repairs, if other than billing company
- (3) Unit initial and number
 - (a) If container and chassis are mated, initial and number of mate must be shown. If repairs are performed on both units of a mated container and chassis, a separate billing sheet must be prepared for each unit.
- (4) Geographic location (SPLC) of repair
- (5) Date of repair
- (6) Form J-2/J-1/recorded image bill road/company, of applicable
- (7) Location of repair on unit
- (8) Quantity applied.
- (9) Condition Code
- (10) Job Code. If Job Codes other than suggested codes listed in Appendix F are used, they must be furnished to the party receiving the bill.
- (11) Description of repairs made, which must be shown with no more than 35 characters.
- (12) Responsibility Code
- (13) Why Made Code
- (14) Labor and material charges, shown separately
- (15) Overhead charges, if any, shown separately
- (16) Column totals for labor and material
- (17) Total charges billed

(18) When the total amount billed exceeds \$450 (or other amount specified by owner), unit built date.

(19) Labor shall be shown to the nearest 1/10th hour.

(20) Taxes, where applicable.

(e) When billed on authority of Form J-2/J-1/recorded image, include either the original J-2/J-1/recorded image, or a mechanized facsimile thereof, and Form J-6.

(f) Have the support data used to generate mechanized bill retained and made available for inspection and/or audit no less than one year from the date of billing, unless otherwise provided in separate agreements.

A6. Vacant

A7. Exceptions

When exceptions are taken to a Unit Billing Repair Form, the entire form will be rejected.

A8. No Bills

A record of all repairs performed and not billed to the owner must be included in the monthly billing.

(a) Submit the original bill or workorder, or a copy of the original bill or workorder.

(b) Submit computer bill or facsimile.

(c) Documentation must indicate "No Bill" or "No Charge."

(d) Documentation shall be included with monthly statement or as a separate attachment, but clearly grouped as "No Bills."

(e) Every "No Bill" repair should be forwarded to the owner, unless covered by private contract.

A9. Handling of Bills

Bills for repairs to equipment covered by these Rules shall be handled as follows:

(a) Calculation Date of Charges

Charges must be calculated as of the date of repairs.

(b) Owner Responsibility

Charges for all repairs for which the owner is responsible shall be billed against the owner. In rendering such bill, the equipment involved shall be treated as belonging to the company or individual whose name or initial it bears. Where the unit bears no such identification, its ownership shall be determined by other means.

(c) J-2 Repairs

Charges for repairs authorized by the Unit Damage Responsibility Report, Form J-2 or recorded image, shall be billed against the company shown thereon. The original Form J-2/recorded image or a copy thereof shall accompany the billing.

(d) Consolidation of Charges

A separate Unit Billing Repair Form and bill shall be submitted for repairs to individual units of equipment, and all charges for repairs shall be consolidated against any one company into one separate statement, listing supporting invoices by unit number and amount, each calendar month. An index of billing forms with unit numbers and amounts billed each unit shall be located directly behind the cover sheet of the bill.

(e) Time Limits

All bills should be rendered promptly. Bills rendered after 75 days from the date of repairs may be declined. Where counterbilling is involved, the counterbilling carrier shall be allowed an additional 30 days to render the bill.

(f) Corrections/Counterbilling

- (1)** No bill shall be returned for correction on account of incorrect unit numbers or reporting marks, but shall be passed for payment at once, and the alleged error brought to the attention of the company rendering same, no later than 90 days after first receipt of the bill.
- (2)** To effect economies in the cost of handling bills for unit repairs, it is suggested that checking for unit numbers and location be eliminated where the total charge per unit is not more than \$5, because it is usually found that corrected numbers are furnished or locations verified.
- (3)** The billing company shall furnish correct unit reference, or shall issue within 90 days, counterbilling authority. If it is alleged that the unit was not on the repairing road on the date claimed, the trailer owner must show the location of the unit on such date.
- (4)** It is suggested that no bills shall be returned for correction on account of other error or questionable charges unless the net amount involved is at least \$5, and exceeds 10 percent of the total amount of bill, but shall be passed for payment at once. Requests for depreciated value statements are for informational purposes, and are not to be used to achieve 10% of a bill. All alleged errors must be brought to the attention of the billing company no later than 60 days after first receipt of the bill otherwise the bill is considered valid.

The billing company must furnish proper explanation, shall adjust billing, or shall issue counterbilling authority within 60 days otherwise the exceptions are considered valid.

When the net overcharge or undercharge is less than \$5, counterbilling authority should not be issued, and billing repair forms returned. If objections to bill (except for incorrect trailer numbers or reporting marks) do not amount to \$5 in aggregate, no exception shall be taken, but bill shall be passed for payment as rendered. In any case, however, if an entire bill is improperly rendered, it may be returned, regardless of amount.

Any bill with exceptions may be paid short with a letter sent to the billing subscriber, stating bill number, equipment number(s) and an explanation of the exception(s).

- (5) Undercharges shall be called to the attention of the billing company, and be similarly adjusted.
- (6) When bills are returned for correction, all Forms J-2 and Billing Repair Forms, except those in question, must be retained by the company against which the bill has been rendered.
- (7) Billing Repair Forms returned for correction, or on account of exceptions, must not be defaced in any manner on the face of the form.
- (8) Billing Repair Forms returned for adjustment of exceptions should either be marked to indicate the bill number of the billing carrier and reference to the date of the bill in which the charge was included, or the bill number should appear on correspondence in connection with exceptions taken.
- (9) When a bill contains charges from an independent vendor and/or contract shop, and the invoice contains items not chargeable to the owner, the invoice must be adjusted to delete those items not chargeable to the owner.

(g) Lost Bills

When a bill, including its Billing Repair Forms, becomes lost or destroyed in transit, the billing road must arrange to furnish a copy of the bill without supporting Billing Repair Forms. This bill shall be passed for payment, and adjustments made for wrong unit numbers and ownership, overcharges, etc., on the basis of the average percentage of these adjustments on previous unit repair bills for the last three billing periods presented by this same billing road to this unit owner.

(h) Units Retired Vs. Repaired

Where a unit reaches home with a Unit Damage Responsibility Report, Form J-2, attached under provisions of Section L, or with other unfair usage damage covered by a Unit Damage Responsibility Report, and the owner elects to retire instead of repair the unit, a charge may be made for material and labor, as would have been required for repairing or renewing items actually listed on the Damage Responsibility Report. Excluding labor and material for undamaged associated parts, such bill should be rendered within 90 days of the first receipt of the unit home, whether or not the unit has been actually disposed of or dismantled. In no case, however, shall the total bill exceed the depreciated value less salvage, except as provided in agreements between owners and handling lines.

A10. Condition, Why Made, Responsibility, and Location Codes

<u>CONDITION CODES</u>		<u>RESPONSIBILITY CODES</u>	
Temporary Repair	0	Owner	01
Replace W/New	1	Handling Line	02
Replace W/Used	2	Form J-2	03
Replace W/Remfg/Recap	3	Form J-3	04
RR&R	4	Form J-4	05
R&R	5	Form J-5	06
Material Only	6	Other	07
Labor Only	7	Form J-1	08
Straighten	8		
Seal	9		
Secure	A		
Patch	B		
Section	C		
Weld	D		
Patch, Buck Rivets	E		
Patch, SS Pop Rivets	F		
Section, Buck Rivets	G		
Overlay	H		
Insert	I		

Why Made Codes

Associated With Repairs	01	Channel Crack or Weather Check	17
Bent	02	Weld Broken	18
Broken	03	Internal Failure	19
Defective	04	Correct Improper Repair	20
Inoperative	05	Corrosion	21
Leaking	06	Rotted	22
Loose	07	Flex Cracks	23
Missing	08	Burned Out	24
Slick Tread	09	State/Federal/Insp.	25
Separated Cap	10	Vandalism	26
Blister	11	Dirty,Nails,Dunnage	27
Run Flat	13	Warranty	28
Cut, Torn	14	Retire/Destroyed	29
Worn Out	15	Terminated	30
Flat Tire	16	Lost/Stolen	31
		Per Contract	32
		Railroad Damage	33
		Slid Flat	34
		Close and Secure Door	35

Location Codes

LIC	left inside center	LSC	left side center
LIF	left inside front	LSF	left side front
LIQ	left inside quad	LSR	left side rear
LIR	left inside rear	RSC	right side center
LOC	left outside center	RSF	right side front
LOF	left outside front	RSR	right side rear
LOQ	left outside quad	LF	left front
LOR	left outside rear	LR	left rear
RIC	right inside center	RF	right front
RIF	right inside front	RR	right rear
RIQ	right inside quad	F	front
RIR	right inside rear	R	rear
ROC	right outside center	I	interior
ROF	right outside front	U	under
ROQ	right outside quad	T	top
ROR	right outside rear	TC	top center
LS	left side	TF	top front
RS	right side	TR	top rear
		C	complete

ASSOCIATION OF AMERICAN RAILROADS UNIT REPAIR BILLING FORM

SPLC
PAYEE / SHOP ID
J-2 RESPONSIBILITY
J-2 DATE:

R E M I T T O	
INVOICE NUMBER :	DATE:

TRAILER/CONT INITIALS/NUMBER		REPAIR KIND
MANUFACTURER		O THER
DATE BUILT MO/YR		
CHASSIS INITIALS/NUMBER		
REPAIR AUTH DATE		REPAIR COMPLETION DATE
REPAIRED AT	RAMP	SHOP DELAY DAYS

JOB CODE	DEBIT CREDIT	R R	R C	WHY MADE	RR MAT	LOCATION	LABOR HOURS	QTY	NEW PART NUMBER	REPAIR DESCRIPTION	MAT'L/LABOR AMOUNT

LOADED/EMPTY: _____ AUTHORIZED: _____ AUTH NUMBER: _____ INVOICE TOTAL:

R.C. - REPAIR CONDITION

- 0 Temporary Repair
- 1 Replace W New
- 2 Replace W Used
- 4 RR & R
- 5 R & R
- 6 Material Only
- 7 Labor Only
- 8 Straighten
- 9 Seal
- A Secure
- B Patch
- C Section
- D Weld
- E Patch, Buck Rivets
- F Patch, SS Pop Rivets
- G Section, Buck Rivets
- H Overlay
- I Insert

Why Made Codes

- 02 Bent
- 03 Broken
- 04 Defective
- 05 Inoperative
- 06 Leaking
- 07 Loose
- 08 Missing
- 14 Cut, Torn
- 15 Worn Out, Det.
- 18 Weld Broken
- 19 Internal Failure
- 20 Correct Improper Repair
- 21 Corrosion

- 22 Rotted
- 23 Flex Cracks
- 24 Burned Out
- 25 State/Federal/Insp.
- 26 Vandalism
- 27 Dirty, Nails, Dunnage
- 28 Warranty
- 29 Retire/Destroyed
- 30 Terminated
- 31 Lost/Stolen
- 32 Per Contract
- 33 Railroad Damage
- 35 Close and Secure Door

Location Codes

- C Complete
- Unit R & L
- F Front
- R Rear
- I Interior
- LF Left Front
- RF Right front
- LR Left Rear
- RR Right Rear
- LS Left Side
- RS Right Side
- LSC Left Side Center
- LSF Left Side Front
- LSR Left Side Rear
- RSC Right Side Center
- RSF Right Side Front
- RSR Right Side Rear
- T Top
- TC Top Center
- TF Top Front
- TR Top Rear
- U Under

Figure 14

**ASSOCIATION OF AMERICAN RAILROADS
TIRE REPAIR BILLING FORM**

SPLC
PAYEE/SHOP ID
J2 RESPONSIBILITY
J2 DATE

REMIT TO
INVOICE NUMBER:
DATE:

TRAILER/CONTAINER INITIALS/NUMBER		REPAIR KIND
MANUFACTURER/ DATE BUILT MO/YR		
CHASSIS INITIALS/NUMBER		
REPAIR DATE		

JOB CODE	DEBIT CREDIT	R R	R C	WHY MADE	RR MAT	LOCATION	LABOR HOURS	QTY	TIRE SIZE	REPAIR DESCRIPTION	MATERIAL/LABOR AMOUNT

Invoice Total:

--

Loaded/Empty _____ Authorized: _____ Authority Number: _____

Tires	Loc	Brand	Serial No.	Cappers Code	Tires	Loc	Brand	Serial No.	Cappers Code	Tires	Loc	Brand	Serial No.	Cappers Code
Applied														
Removed														

- | | | | |
|-----------------------------------|--------------------------------|----------------------------|--------------------------|
| <u>R.R.-REPAIR RESPONSIBILITY</u> | <u>R.C. - REPAIR CONDITION</u> | <u>Why Made</u> | <u>Location Codes</u> |
| 01 Owner | 1 Replace W New | 01 Assoc. w/Repairs | ROR Right Outside Rear |
| 03 J-2 | 3 Replace W Refmg Recap | 08 Missing | RIR Right Inside Rear |
| 07 Other | 7 Labor Only | 09 Slick Tread | ROF Right Outside Front |
| 08 Form J-1 | B Patch | 10 Separated Cap | RIF Right Inside Front |
| 09 Damage | | 11 Blister, Knots | ROQ Right Outside Quad |
| | | 13 Run Flat | RIQ Right Inside Quad |
| | | 14 Cut, Torn | ROC Right Outside Center |
| | | 16 Flat Tire | RIC Right Inside Center |
| | | 17 Weather Chk/Chan. Crack | LOR Left Outside Rear |
| | | 20 Correct Improper Repair | LIR Left Inside Rear |
| | | 34 Slid Flat | LOF Left Outside Front |
| | | | LIF Left Inside Front |
| | | | LOQ Left Outside Quad |
| | | | LIQ Left Inside Quad |
| | | | LOC Left Outside Center |
| | | | LIC Left Inside Center |

Figure 15

A11. Organization of Job Codes

(a) 1000-1999	Tires/Rims
(b) 2000-2799	Suspension and Tandems
(c) 2800-2999	Air Ride
(d) 3000-3999	Underconstruction- Below Floor, Except Tandem
(e) 4000-4999	Body Construction
(f) 5000-5099	Chassis Frame
(g) 5100-5299	Chassis Rack
(h) 5300-5399	Containers
(i) 5400-5899	Miscellaneous
(j) 5900-5999	Vacant
(k) 6000-6299	Mechanical Refrigeration/Heater Units
(l) 6300-6499	Vacant
(m) 6500-6799	Tank Containers
(n) 6800-6990	Vacant
(o) 6991-6999	Taxes
(p) 7000-7999	Reserved for Expansion
(q) 8000-9999	Reserved for Individual Railroads

APPENDIX B – CORRECT UNIT REPAIR PROCEDURES

B1. Introduction

(a) Preface

This Appendix details procedures and methods for the repair of trailer, container, and chassis equipment to permit its safe return to service. The purpose of any repair is to restore the equipment to its original structural integrity; therefore, this Appendix describes the materials and method required by the AAR TOFC/COFC Interchange Rules. All repairs and replacements are subject to the applicable provisions of this Code of Rules, and all regulatory specifications.

This Appendix is divided into sections detailing repairs by component groups.

(b) Proper Repairs

It is important that each area of defect on a unit be carefully evaluated, and proper repairs and/or replacements be made. The types of unit defects discussed in this repair manual are not intended to indicate that they are the only types of structural defects that should be repaired. Each unit or area of defects should be reviewed individually, and a repair decision made based on that review.

(c) Equipment Component Compatibility

Original equipment components as manufactured, approved, and recommended by the builder of the unit are selected for their compatibility with each of the other elements of the unit; therefore, only original replacement parts or compatible materials should be used for recommended repairs.

(d) Owner's Requirements

If the owner's standard(s) for applicable repair or replacement of specific component(s) are stenciled on the unit, such repair or replacement must be followed as prescribed in rule 99.

(e) Tamper Evidence Requirement

All repairs must be completed in a manner that makes it impossible to add or remove lading without visible traces of repair tampering.

B2. General Trailer Repairs

(a) Post and Panel Damage

Generally, post and/or panel damage can be repaired by splices and/or patches (refer to Body Repairs, following). If the extent of the damage is such that an effective structural repair by reinforcing the damaged area is questionable, replacement of parts is recommended rather than splicing and/or patching. All post and panel damage to be repaired should be evaluated on an individual basis, and repairs made based on that review. In all cases, the original trailer or container manufacturer should be consulted for repair recommendations.

b) Joining Dissimilar Materials

Joining of dissimilar metals and other materials involves procedures that will, if done properly, prevent or control corrosion that may occur in certain atmospheric or moisture conditions. Improper application of protective coatings between surfaces of dissimilar metals can leave the materials open to severe galvanic actions. (In refrigerated trailers or containers, for example, when the space between two different metals is filled by a fluid that can conduct electricity, one of the metals will gradually decompose.) Corrosion also occurs when wood parts are not protected adequately prior to their assembly to metal surfaces.

The procedures listed below will, with practical limits, prevent such corrosion.

(1) Joining Aluminum to Unfinished Steel or Stainless Steel

- (a) Before assembling aluminum to steel, including cross members to bottom rail, the surface of the steel must be cleaned of all rust, scale, weld flux, metal particles, and other foreign material.
- (b) Immediately after cleaning:
 - (1) Apply a primer to the steel surface to prevent galvanic action.
 - (2) Apply a protective coating to the steel area.
 - (3) Apply insulating tape.
- (c) Exterior steel number and logo placards and similar exposed steel items shall be protected with insulating tape prior to assembly to an aluminum surface.
- (d) Replacement fasteners must be of similar metals; screws, bolts, nuts and nails and protective coatings must be used.

(2) Joining Aluminum and Wood Components

- (a) Apply a protective coating to wood surfaces.
- (b) Sealers that are flexible and non-shrinking shall be used in highly corrosive areas to prevent deterioration of the wood, including trailer or container doors and door frame areas.

(3) Joining Metal to FRP Panels

- (a) Although FRP panels (Fiberglass Reinforced Plywood) are constructed with a fiberglass outer layer, a protective coating must still be applied between the steel component and FRP panel.
- (b) Reference **(2) Joining Aluminum and Wood Components**, above, for correct procedures.

B3. Body Repairs (Side Panels)

Mating of Panels

Material selected for replacing side wall panels shall comply with the manufacturer's recommendation, with corrugated or smooth panel construction mated under all circumstances, including patches. Pre-painted panels must be likewise mated.

(a) Patching Body Panels of Sheet and Post Trailers and Containers

(1) A patch of like material shall be made to overlap the existing panel break of not less than one inch on all sides for small repairs. On larger breaks, the damaged portion must be trimmed to produce a round or oblong opening. No patch shall be less than 4" on any one side [See Figure B-1].

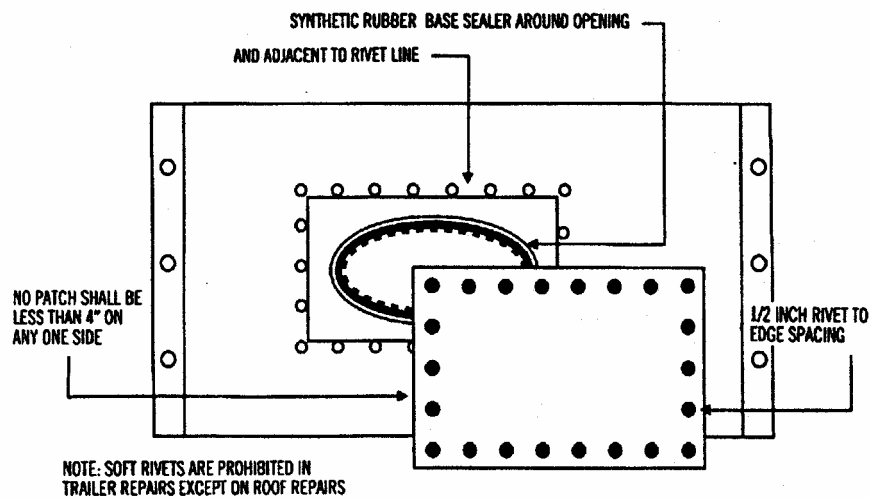


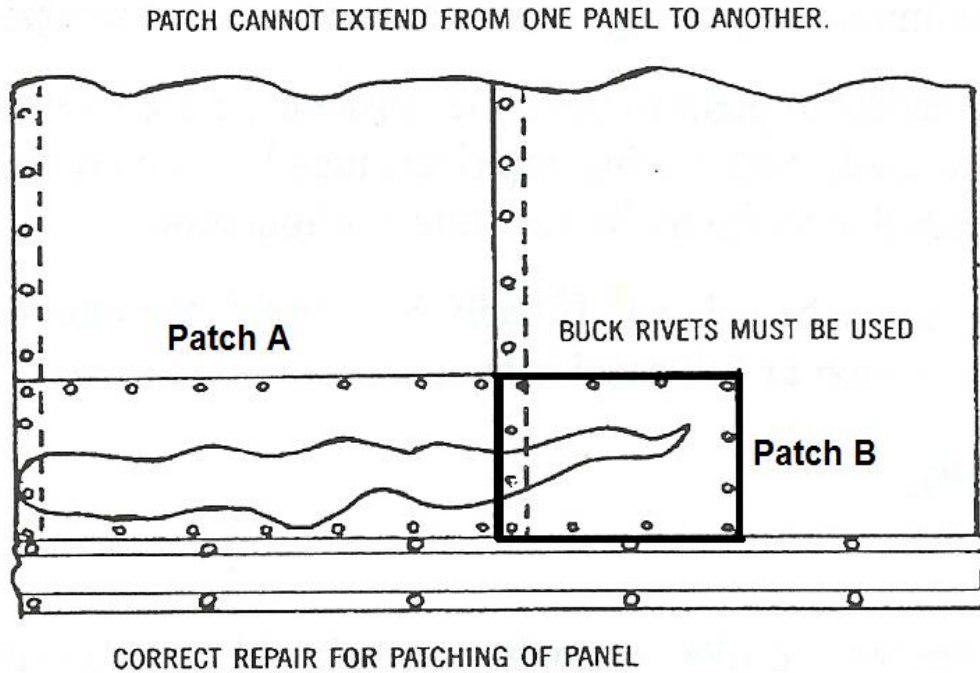
Figure B-1

- (2) Aluminum and steel panel patches shall be the same thickness as the original.
- (3) Clean and deburr both panel and patch. Smooth any dented or creased area around the damaged area.
- (4) Place the panel patch over the break to include any badly dented or creased areas; drill holes for rivet securement around the patch perimeter, spaced on 1 ½ inch centers. Rivet holes shall be located not less than ½ inch from the edges of the patch.
- (5) Apply a non-shrinking sealer between the patch and trailer body.

One bead must be applied around the perimeter of the damaged area. The other bead must be adjacent to the rivet line, and applied in a manner that does not allow an excessive amount of sealant to seep to the outside perimeter of the patch.
- (6) A self-sealing pop rivet is the correct hardware to use on side panel repairs (excludes drive rivets and screws).

(7) For securement of panels to posts to the trailer or container structure, buck rivets and/or structural mono bolts must be used. Self-sealing pop rivets may be used only at the rail area where there is no rear access due to the trailer's or container's structural configuration.

(8) A patch cannot extend from one panel to another [Figure B-1a].



NOTE: No patch shall be less than 4" on any one side.

Figure B-1a

(9) Cuts the full length of a single panel in the area of the top or bottom rail must be sectioned. Sections must be a minimum of 9". All sections must be buck riveted.

(b) Patching Body Panel of Steel Container

Use of the correct type of steel, as well as proper surface preparation and painting methods, is critical.

(1) Straightening

Whenever possible, straighten dents and compression lines in panels by mechanical or hydraulic means without heating. It should not be necessary to use heat. Repairing a panel by straightening should return it to its original profile. If the damage has stretched the panel to such an extent that the original profile cannot be restored, repair by straightening should not be attempted.

(2) Straightening and Welding

To repair cracks, splits, cuts, tears or pin holes when the original profile can be restored, straighten the damaged area: drill a stop hole at each end of any crack and weld the edges of the cut material to close the opening. Clean, mask and prime the repaired area on both sides.

(3) Inserting

If the damage can not be repaired by straightening, a butt-welded insert may be installed [see Figure B-2]. Inserts may straddle an existing panel weld seam if the damaged area is on or near such a seam. Inserts may not be suitable if the damage covers a large area adjacent to a rail or post, or if nearby inserts are corroded or improperly installed and must be corrected.

Remove any attachments (ventilators, marking plates, etc.) that are within the damaged area, or near enough that they may be damaged during repair.

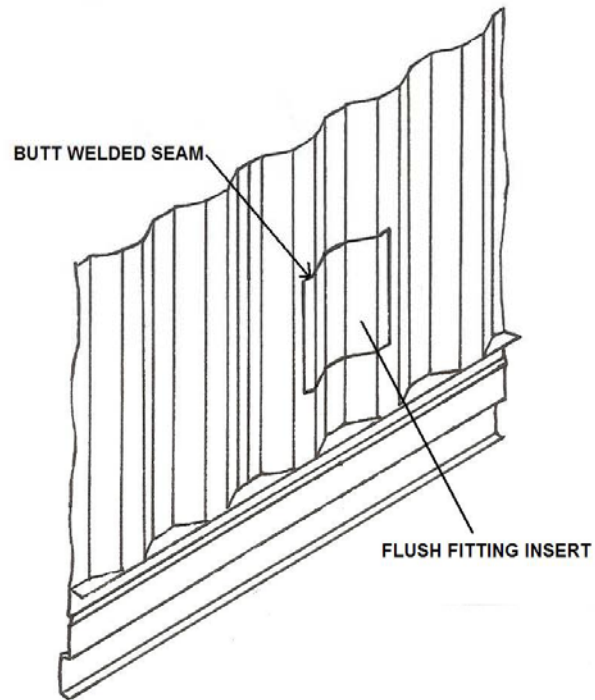
Mark and cut out the damaged area with a torch or cutting disc. Cut the replacement material to size. Inserts must be fitted flush with the existing panel and should be fabricated to allow no more than 2mm (5/64 in) clearance between adjoining surfaces. Panel insert material must have the same corrugation size, profile, and radii as the original panel.

Fit the insert into the cut out area and tack weld in position. Continuously weld the insert on the exterior side of the existing panels. Ensure that insert welds fully penetrate the panel to the interior side.

Clean, mask and prime the repaired area on both exterior and interior sides. Apply top coat to the exterior side only.

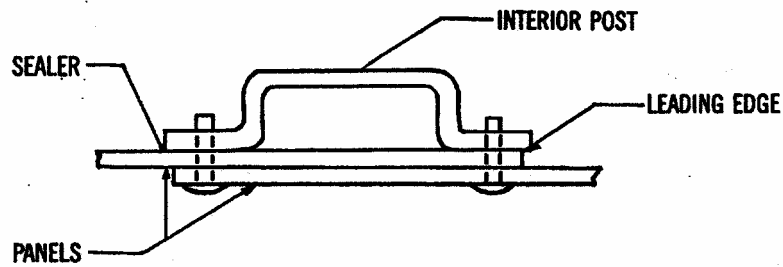
Replace markings removed during repair that are required by regulation or as directed by the owner. Reattach any other components that were removed during the repair.

Figure B-2 – Panel insert



(c) Panel Replacement of Sheet and Post Trailers and Containers

- (1)** Sufficient panel lap is required to provide both a good seal and proper installation [see Figure B-3].



Panels should overlay and be riveted as originally manufactured. See Section B-9 for proper riveting.

Figure B-3

(2) Place the panel over the opening and drill around the panel perimeter, placing the holes on 1 ½ inch centers. If an existing rivet hole is used, it must be reamed to provide a tight fit by use of a larger size rivet.

(3) The placement area and existing adjacent panels must be cleaned and deburred where they lap.

(4) Use applicable aluminum alloy or high tensile cadmium plated steel rivets.

(5) For securement of panels to posts to the trailer or container structure, buck rivets and/or structural mono bolts must be used. Self sealing pop rivets may be used only at rail area where there is no rear access due to the trailer or container structure configuration.

(6) A side post should never be spliced. If badly bent or cut, the interior post should be replaced before the section or full panel is replaced.

(d) Panel Replacement of Steel Box Containers

If an individual panel cannot be repaired by straightening or inserting, the damaged panel may be removed and replaced with a new panel. Replacement may also be indicated if inserting would leave non-conforming repairs nearby or if replacement is less expensive. Butt welded joints between the replacement and existing panels are required.

(e) FRP Panel Damage

(1) General

In all cases, the original trailer or container manufacturer should be consulted for repair recommendations.

(2) Damage Categories

FRP panel damages normally fall under four categories:

(a) **Minor surface damage**—This damage requires only repair of the resin or surface finish. This may be accomplished by using the manufacturer's recommended repair kit.

(b) **Damage that goes through the glass fibers and into the plywood**—This damage requires that the damaged area be cleared back to sound materials, and repaired with glass mat, resin, and surface finish.

(c) **Puncture damage that goes completely through the panel**—This damage requires that both faces of the panel be repaired.

(d) **Severely smashed or damaged panels**—In this case, the complete damaged area must be removed and replaced. In some cases, complete panel replacement may be necessary.

(3) Non-puncture Damage Repair

(a) Determine the extent of the damage. Measure and mark off a 4" area outside the damage, and draw in 2" lines for the feathered area. Score along the inside lines with a sander, and peel off all damaged fiberglass. Disc sand to remove all damaged plywood. Feather the area where exposed wood and fiberglass of the original panel meet. Remove dust. If moisture exits, dry with heat lamps.

(b) Using wide masking tape, make a rectangular border around the repair area. Sand the gel-coat surface inside the rectangle to roughen the smooth surface enough for good adhesion. Mix resin compound to accurate proportions and apply to the entire repair area. Fill in center depressions with an extra layer of resin to help eliminate air bubbles.

(c) Saturate a section of woven fiberglass with resin compound. Position it over both the wood and feathered area. Cover the entire repair area with remainder of the resin.

(d) Cut a piece of mylar film large enough to overlap onto the masking tape. Attach the top edge of film onto the top border of the tape. Use a roller to squeeze out excess resin compound, along with any air bubbles, level to the surface of the original panel.

(e) After curing is completed, sand the entire repair. Dust off, and fill small imperfections with polyester body filler or glazing compound. If a few pinholes persist after sanding the polyester, apply spot filler. Prime and paint if desired.

(4) Surface Repair

(a) The surface must be clean and dry before the patch can be applied. Remove all smoke and residual dirt from the repair area with clear, hot water, then wipe dry with a clean, absorbent cloth.

(b) After removing any projecting fibers, apply polyester body filler mixed with an appropriate amount of cream hardener, leveling it so the surface is smooth and clean.

(c) From a roll of adhesive-backed repair film, cut a length slightly larger than the damaged area. Peel back the leading edge of paper liner and fold it down, exposing the adhesive surface.

(5) Replacement of Damaged Section

- (a) Examine the severity of the damage. Tap the surrounding area to determine the extent of delamination. Mark a rectangle about 4" larger than apparent damage.
- (b) Cut out the marked section. Inspect the perimeter for wetness. If moisture is present, drill small holes a few inches apart to determine the extent of moisture. Re-cut the opening larger if necessary.
- (c) From inside the trailer or container, mark a line 2' from the opening to prepare to make a shiplap joint. Preset your saw to a depth half the thickness of the panel, then make the cut. Peel away the fiberglass part of the panel "sandwich" from the plywood.
- (d) Remove the plywood to the depth of the cut with a chisel or router. Sand it smooth with a high-speed rotary sander and a 32-grit disc.
- (e) Cut a plug from a FRP panel of the same thickness, 2" larger than the opening on all sides. Draw a line 2" in from the edge of the plug's finished side. Cut to a depth half way through the panel. Remove the 2" strip of fiberglass and plywood, as previously described. Sand smooth. Clean the area. Place the plug in the opening, then make necessary adjustments.
- (f) Apply resin compound generously to cover all sanded areas. Fill all voids.
- (g) Insert the plug of FRP panel. Place temporary fasteners, either screws or bolts, strategically around the perimeter to hold the plug in place until the resin compound cures. Remove excess resin compound. While the compound hardens, cut appropriate length 4" and 8" strips of woven fiberglass to cover all edges of the repair, as preparation for lay-up later.
- (h) Once the compound has set up, remove the temporary fasteners and sand off any excess resin. Draw lines 2" on both sides of the joint. Using a sander or saw, score the fiberglass, and remove a 2" strip on each side of the joint.
- (i) Feather an additional 2" on all sides of the 2" strip of exposed plywood, working through the surface, but not through the woven fiberglass laminate. Sand with back-and-forth motion to avoid heat build-up and possible delamination.
- (j) After thorough mixing, completely cover sanded areas with the polyester resin compound. Lay a proper length of 4" wide woven fiberglass on the resin-coated bare wood surface of the top horizontal section. Press the fiberglass into the moist resin. Immediately apply a thin layer of resin compound over the 4" strip, also covering the feathered area.
- (k) Immediately lay on an 8" strip of woven fiberglass over the 4" strip, extending into the feathered original laminate, applying pressure to saturate the cloth. Follow with liberal amounts of additional resin compound.
- (l) Cut a piece of film large enough to cover the layup. Tape the top edge of the film several inches above the top of the resin-covered area.

(m) With a roller, apply steady, continuous, firm pressure in one direction across the film-covered area, to force out air bubbles and ensure complete saturation of the woven fiberglass. Discard excess resin. Repeat the same procedure for the bottom horizontal section. Leave the film taped in place, and work on the outside of the trailer or container, repeating the previous steps.

(n) When the interior horizontal sections have cured, remove the mylar strips and lightly feather the corners to make smooth joints. Repeat this procedure on the vertical strips. Following horizontal curing, sand high points for a smooth surface. Also apply vertical strips to outside.

(o) Fill any small imperfections with polyester body filler or body glazing compound before and after sanding. If a few pinholes persist after sanding the polyester, apply spot filler and sand again until the desired finish is obtained.

(p) Mask off the patch, and prime the entire repair (if painting is desired). After the primer dries, spray on two coats of paint.

(q) The completed patch should offer the same structural integrity and near-perfect surface as the original fiberglass panel.

B4. General Interior Repairs

(a) Floors

(1) Floor Structure and Damage

The floor of a trailer or container is a key element of the structural system. In addition to the normal vertical loads, it carries longitudinal loads such as dock bumps, etc. Floors in trailers or containers are normally of glued, laminated hardwood, that is, in most cases, one piece, the full length of the trailer or container, and approximately 12" wide. The trailer or container floor consists of three main structural components, which serve to support a fork lift and transfer the load to the side panels. These components include the floorboards, the floor supports or crossmembers, and the crossmember supports or crossmember-to-rail connectors.

The crossmember supports are the most critical of the three structural components, since their failure could lead to the total collapse of the entire floor system.

Damage to floors is the result of overloading, mechanical handling trucks in the trailer or container, or deterioration of the floor well over the trailer's or container's life. This will result in sections which are weaker and will fail at a lower load level. Occasionally, a heavy piece of freight can puncture the floor in a local area, resulting in a floor failure.

(2) Flooring Repairs

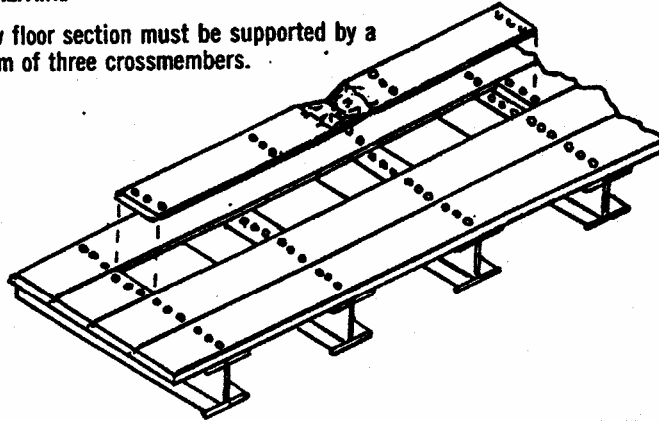
Proper repairs to a broken floor section are mandatory, so that the integrity of the remaining floor is not affected by the repair. The following repair procedures must be followed:

(a) Flooring replacements shall fasten to a minimum of three crossmembers. No adjacent flooring repairs shall end on the same crossmember; however, end joints must be staggered and sealed [Figure B-4].

(b) All repairs to flooring or decking must be of a similar quality and like installation as the original flooring, free of visible defects and top coated/undercoated.

FLOOR REPAIRS

The new floor section must be supported by a minimum of three crossmembers.



NEW BOARD INSTALLATION

Install three 2" self-tapping flat screws at each cross-member covered by new board, three at butts.

REMOVING DAMAGED FLOOR BOARD

New floor of the same section and material must be supported by three (3) crossmembers. Butts must fall at crossmember centerlines.

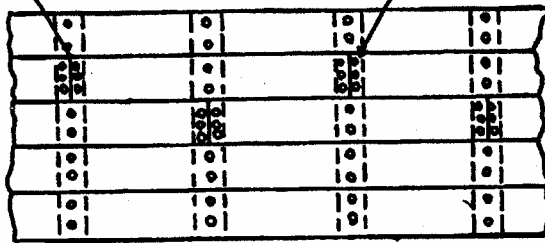


Figure B-4

(c) Before starting repairs, it is recommended that an inspection of the crossmembers in the area of the board failure be made to determine if any crossmembers are in need of repair or replacement.

(d) In the event of floor area damage, determine the extent of the damage and indicate the extremes of the damage. Repair as follows:

(1) From the point at which the damaged area stops, proceed in a forward and rearward direction at least one additional crossmember space, and mark the floor. Remove the floor screws in adjacent boards which will allow the damaged floor section to be raised above floor level, and cut the damaged boards at the points marked. Obtain an identical section, thickness and variety of lumber for replacement.

(2) Cut a section of the replacement lumber to a length compatible with the removed material. Apply a bead of butyl or silicone caulking to the mating perimeter edges of the floorboard, and lay in place, ensuring that the joint between adjacent boards interlocks.

(3) Reinstall any missing fasteners in adjacent boards, and drill a minimum of three holes through the new board plank at each crossmember location. Install 2" long self-tapping flat head screws at each location.

(4) Install a bead of caulk across the butt joint between the new and adjacent floor planks, to ensure against leakage.

(5) In situations where extensive damage is done to a floor, and more than one floor board is damaged, be sure to install replacement planks so that no two adjacent butt joint conditions exist at any one crossmember. If necessary, stagger the joints by installing longer than required floor replacement inserts at adjacent positions. *This is extremely important.* Any distortion which results in the lack of contact between the floor and the crossmember can be remedied by reinstalling screws through the floor, and positioning nuts on the bottom shank of the screw, thereby clamping the floor and crossmember together.

(6) The butt gap between boards shall not exceed ¼ inch.

(b) Side Liners

(1) Repair/replacement materials shall be the same quality, type and thickness as the original liner material.

(2) The installation of ply-liners should use the same type fasteners as used in the original installation.

(3) If a ply-liner has a hole greater than 4 inches, the ply-liner should be replaced.

(c) Scuffliner

The scuffliner and fasteners must be of like material as the original installation. Sectioning is acceptable, with end joints located at a side post.

(d) Roof

If the trailer or container is equipped with a plywood liner, replacement must be of the same quality, type and thickness as the original. (See Roof section for specific roof repairs.)

B5. Trailer or Chassis Support Repairs

(a) Landing Legs

(1) Description

The landing leg system [see Figures B-5 and B-6] has been designed to provide a stable support for the trailer or chassis, and is located from centerline of the kingpin. Manually operated landing gears must be of two speeds, and the legs must be equipped with heavy duty wheels and/or pads, and heavy duty axles.

(2) Defects

When a landing gear lower leg and/or upper leg assembly is bent, damaged, or deformed to a point which will not allow free vertical travel, the leg(s) should be replaced.

The normal defects associated with non-functional landing gear are:

- (a) Broken welds
- (b) Loose fasteners (missing, broken, defective or improper materials)
- (c) Legs improperly adjusted
- (d) Defective components (bent or broken)
- (e) Dry or insufficient lubricant

(3) Repair Compatibility Required

- (a) If other than the original type legs are installed, the bolt patterns, gear ratio, and load rating must be compatible.
- (b) Landing leg braces that have been bent or damaged should be straightened, if practical, or replaced, if necessary, with a new one of like kind or equal strength to the original.

(4) Component Replacement Vs. Leg Replacement

When a landing leg is defective due to internal component failure without damage to the leg assembly, the components should be replaced, if necessary, in lieu of replacing the entire leg. Reassembly must include proper lubrication.

(5) Landing Gear Mounting Bracket

If damage to the landing gear mounting bracket is such that it is impractical to repair, and it must be replaced, the replacement bracket must be of like kind as original equipment. The bolt-on type requires a direct one-for-one replacement, utilizing identical fastener patterns and sizes as the original installation.

(a) In replacing the weld-on bracket, care must be taken to remove the damaged bracket without distorting, bending, or cutting through mounting surfaces adjacent to the bracket. If this is not possible, crossmembers directly over the landing gear must also be replaced with the bracket.

(b) Mounting brackets must be attached as established on original equipment.

(6) Sand Shoes, Dolly Wheels, and Axles

When is it necessary to replace sand shoes, dolly wheels, and/or axles, the replacement must be of like size, shape and strength as the opposite position, and must be properly secured.

(7) Landing Gear Crank Handle

When it is necessary to replace the landing gear crank handle, the replacement must be of sufficient size and shape to clear the side of trailer or container, and must store in existing storage retainer.

(8) Cross Shaft

When it is necessary to replace the cross shaft, the replacement must be of the same size, shape, and strength as that of the original equipment. A removable fastener must be used in installation.

LEG ASSEMBLY, DRIVER

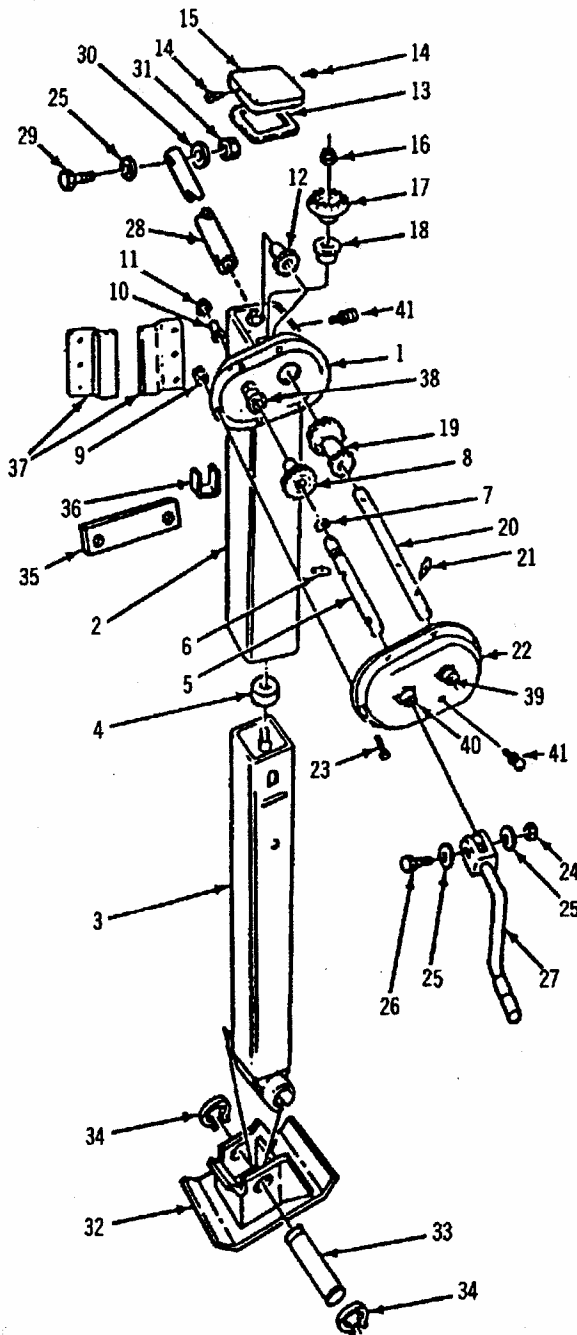
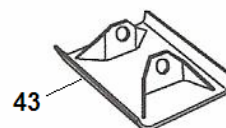


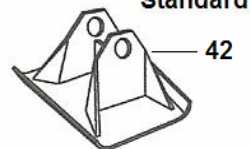
Figure B-5

Index No.	Description
1	Pan Assy, Inner Housing
2	Leg Assy, Outer Support
3	Inner Leg Tube Assy
4	Bearing, Thrust
5	Crankshaft
6	Cross Pin
7	Detent, Spring
8	Gear, Crankshaft Cluster
9	Nut, Hex
10	Dust Cover
11	Clamp, Dust Cover
12	Pinion, Bevel
13	Gasket, Support Cover
14	Screw
15	Cover Support Leg
16	Lock Nut
17	Gear, Bevel
18	Bearing, Bevel Gear
19	Gear, Mainshaft Cluster
20	Mainshaft
21	Cross Pin
22	Pan Assy, Outer Housing
23	Bolt, Hex
24	Nut, Hex
25	Washer
26	Bolt, Hex
27	Crank, Support
28	Shaft, Cross
29	Bolt, Shoulder
30	Washer
31	Nut, Hex
32	Sand Shoe Assy
33	Tube, Axle
34	Retaining Ring
35	Plate, Mounting (Lug)
36	Clip/Crank Handle Retaining
37	Mounting Bracket
38	Bushing
39	Bushing, Mainshaft
40	Bushing, Crankshaft
41	Fitting Lubrication
42	Standard Sand Shoe
43	Low-Profile Sand Shoe

Low-profile



Standard



SUPPORT FRAME AND SUPPORTS

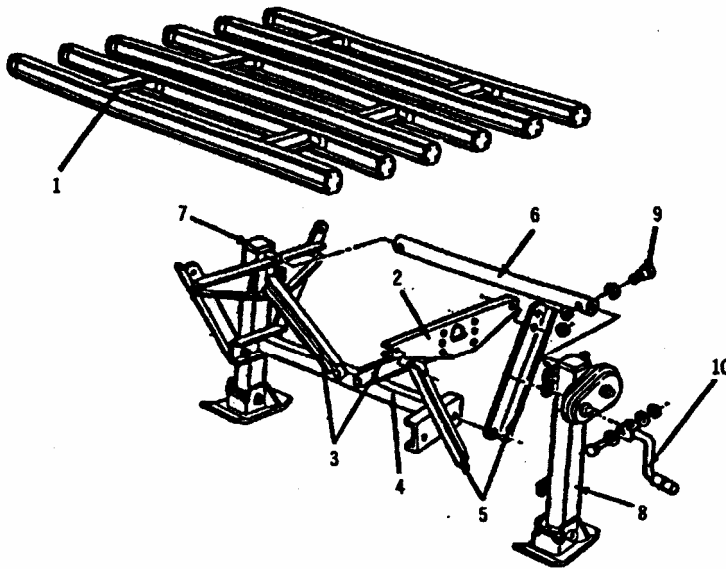


Figure 9

Index No.

Description

1	Zee Assembly (Generally 5 X-Members)
2	Support Mounting/ V-Brackets/ Mounting Skirts
3	Strut Assembly or Diagonal Brace
4	Crossbrace
5	Diagonal Brace
6	Cross Shaft
7	Leg Assy, Driven (Single Speed, Slave)
8	Leg Assy, Driver (Two Speed, Gearside)
9	Removable Fastener
10	Crank Handle

NOTE: Use of minimum Grade 5 bolt required.

Figure B-6

B6. Roof Repairs

(a) General

Roof repairs [see Figure B-7] are equally, if not more, important than repairs to the nose or side walls of a trailer or container. Correct materials and good workmanship can determine whether there will be load damage due to weather. Roof panels that have a tear or hole should be repaired to prevent structural failure, and water damage to cargo. Generally, repairs consist of a relatively simple patch, or replacing a section of roof panel the full width of the trailer or container, extending to the nearest roof bows adjacent to the damaged area. Certain procedures must, therefore, be followed when roof repairs are made.

(b) Patching Roof Sheet

- (1)** Care must be exercised to see that roof repairs are properly extended to the roof bows, and given a good exterior seal, to afford maximum long life to the repair, and to avoid loosening of roof sheet by flexing. Patch is not to be riveted through the roof bow.
- (2)** For small repairs, a patch shall be made to overlap the existing panel break of not less than one inch on all sides. On larger breaks, the damaged portion must be trimmed to produce a round or oblong opening (same as side panels). No patch shall be less than 4" on any one side.
 - (a)** Aluminum and steel patches shall be the same thickness and type as original roof sheet.
 - (b)** Clean and deburr both panel and patch. Smooth any dented or creased area around damage.
 - (c)** Placing the patch over the break, drill holes for rivet securement around the patch perimeter, spaced on 1 ½ inch centers. Rivet holes shall be located not less than ½ inch from the edges of the patch.
 - (d)** Any roof bow damage shall be repaired prior to the application of the patch.
 - (e)** Apply a sealer between the patch and roof sheet, and around the edge of patch, with additional sealer placed over the exterior rivet heads.
 - (f)** Roof patches must be secured with soft buck rivets to prevent flexing and rivet hole elongation. Where the underside of the roof is inaccessible, repairs must be made with self-sealing pop rivets. All roof bow repairs or replacements must be made with original type fasteners or two-piece rivets.
 - (g)** Holes must be drilled in the leading ends of any stress crack.
 - (h)** When the patch extends to the top rail, buck rivets must be used.

(c) Roof Sheet Breaks More Than Six Inches

Sections on roof sheet breaks in excess of six inches shall extend to and be secured adjacent to roof bows. If the trailer or container is so constructed, the section applied must be bonded to roof bows.

- (1) If damage requires removal of original roofing from the top rail, the entire original roof sheet must be sectioned and replaced to the nearest end.
- (2) If the roof has been previously sectioned in the area of damage, the new section must be extended beyond the previous section.
- (3) If the area to be sectioned exceeds 30% of the roof, the entire roof must be replaced.
- (4) No more than three sections shall make up the entire roof. (The splice on a stretch trailer is counted as one section, and would therefore be a two-sectioned roof.) The center of the roof sheet cannot be spliced.
- (5) Roof patch cannot exceed 12 inches by 36 inches.

(d) Roof Replacement—Aluminum (Dry Van or Container)

- (1) A one-piece aluminum sheet must be used.
- (2) All damaged roof bows must be removed and replaced with new roof bows, and secured at each end to the top rail by use of huck-type fasteners or manufacturer's original type fasteners.
- (3) After removal of the old roof sheet, and subsequent to any roof bow replacement, all roof bows and rail gutters must be cleaned and deburred.
- (4) Before installing new roof, apply a sealer on the roof rail or in the roof rail gutter around the entire trailer or container.
- (5) The roof sheet must be secured to the front rail, spaced as recommended by the manufacturer.
- (6) The trailer or container must be on a level ground surface when a new roof is applied. The new roof sheet must be stretched in place by using clamps or roof stretchers at the rear header of the trailer or container. (This phase is very important to reduce the possibility of roof sheet flapping, which could cause flex cracking.)
- (7) The sides of the new roof sheet must be affixed to the top rails and rear headers according to the manufacturer's specification.

(e) Roof Bows

Roof bows that are broken or missing should be replaced. Due to the wide variety of designs, the original trailer or container manufacturer should be consulted for its recommendations on bow replacements.

ROOF SHEET EDGE TREATMENT

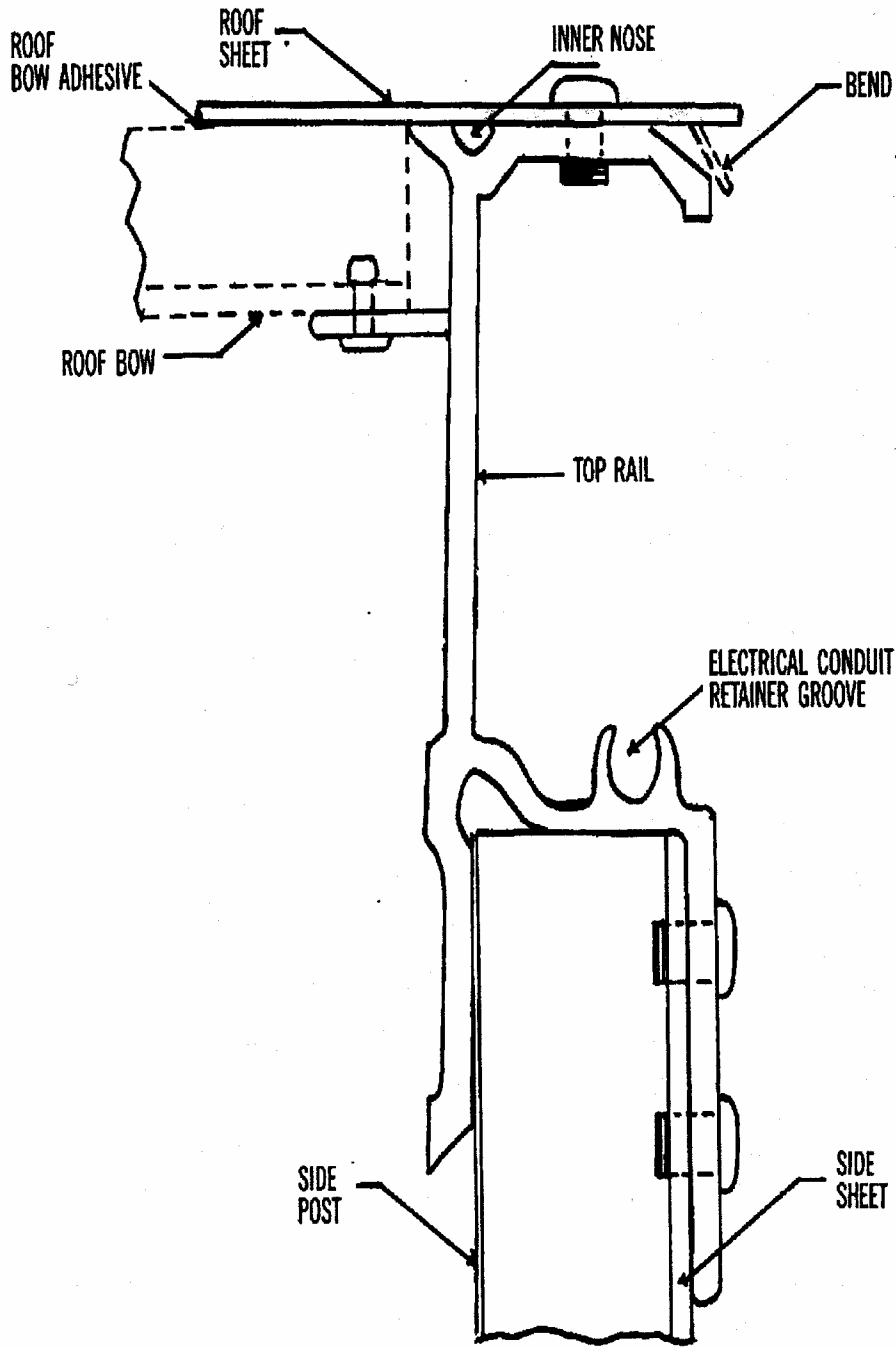


Figure B-7

B7. Rear Doors and Rear Frame

(a) General

The rear doors [see **Figure B-8**] are probably the most damaged component on an intermodal trailer or container; therefore, certain repair procedures must be followed to maintain the overall structural integrity of the trailer or container.

The door of a trailer or container is designed so that when loaded beyond the design load, failure will take place in the door locking hardware, and not in the connections between the end frame [see **Figure B-9**] and the trailer or container body. The door and assembly are designed to withstand the maximum loads and fatigue forces imposed in rail operation. (Generally, the door end assembly consists of the door frame, doors, door hinges, door locking hardware, and the attachment of these items.)

(b) Repair Procedures

(1) Rear Doors

(a) Plating of rear doors is not permitted, and shall not be considered a proper repair (except as **only** a temporary repair). Self-sealing patches are allowable on cuts that do not extend more than 1/8 inch into the door plywood.

(b) All door replacements shall be made with like materials (gaskets, door hardware, door dimensions).

(c) When doors are mounted, they shall be mounted flush with the door frame, and shall be constructed such that the curb side door has to be opened before the roadside door can be opened.

(d) All decals and signs shall be replaced on new doors.

(e) The replacement of all tie backs on new doors is required.

(2) Security Hardware

(a) Lock rods and hinge plates shall meet AAR M-930 and M-931 specifications.

(b) When doors are replaced, the security plate must be replaced.

(c) All door-seal locking devices, door securement hardware, and door attachment hardware must be affixed by fully welding, or by the use of "tamper-proof" fasteners, to preclude entry into the trailer or container by removal of any of the door hardware components. A minimum of one fastener on each of the top and bottom hinges, and top and bottom lock-rod support bearings, shall be "tamper-proof." All door seal hasp fasteners shall also be "tamper-proof."

REAR DOOR ASSEMBLY

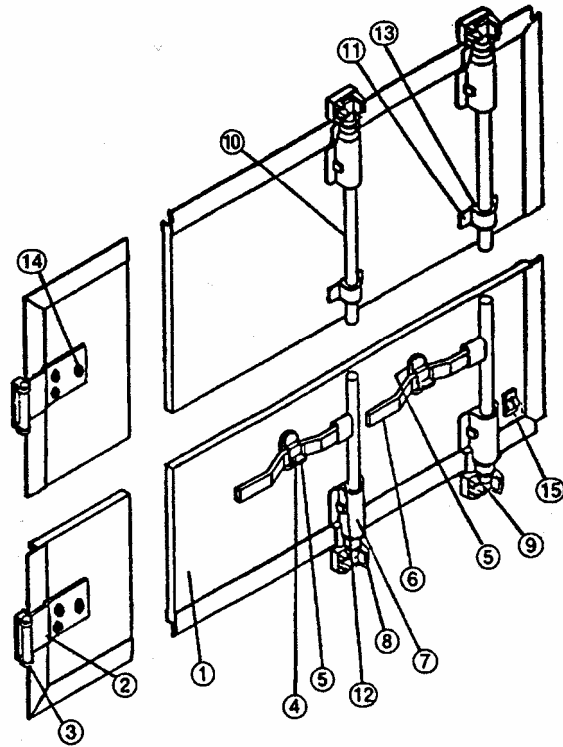
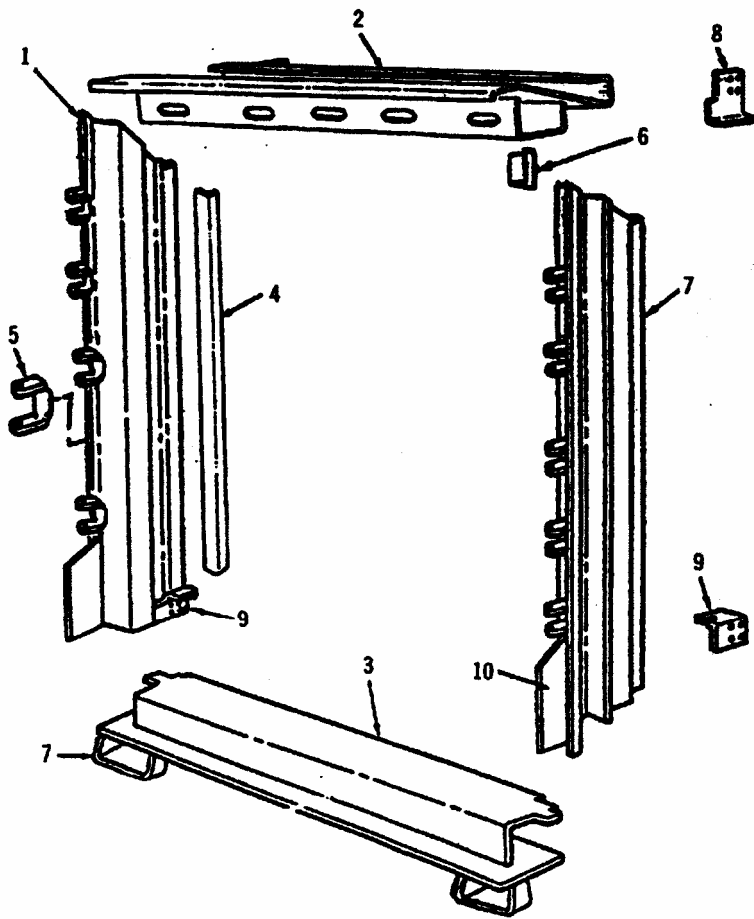


Figure B-8

<u>Index No.</u>	<u>Description</u>
1	Plymetal Door - $\frac{3}{4}$ "
2	Hinge Strap/Butt
3	Hinge Pin
4/5	Seal Pin (Handle Latch) Assy.
6	Door Handle
7	Upper/Lower Rod Guide
8	Upper/Lower Cam Keeper
9	Upper/Lower Cam
10	Lock Rod Pipe
11	Intermediate Rod Guide
12	Upper/Lower Rod Guide
13	Intermediate Rod Guide Bushing
14	Fastener
15	Door Tie Back Plate

REAR FRAME ASSEMBLY



Index No.

Description

- | | |
|----|---|
| 1 | Post, Rear Corner,
Roadside & Curbside
12' Lights |
| 2 | Header Assembly |
| 3 | Crossmember
Assembly |
| 4 | Angle, Plywood Edge
Protector |
| 5 | Hinge, Bracket |
| 6 | Bumper, Curb/Roadside |
| 7 | Light Protector |
| 8 | Upper Tie Plate,
Roadside & Curbside |
| 9 | Lower Tie Plate,
Roadside & Curbside |
| 10 | Bumper, Lower |

Figure B-9

(1) Fasteners may be considered “tamper-proof” by virtue of their original design, or because of alteration to reusable fasteners, which requires their destruction by burning or cutting to effect removal. Reusable fasteners, such as nuts and bolts, are not recommended; if used, they must be secured by fully welding the nut to the bolt, or the bolt to its mating hardware. (Fully welding means welding around the entire circumference of the bolt.) Prevailing-torque fasteners, utilizing deformed threads or plastic inserts, are not considered as “tamper proof” fasteners (except when they are inaccessible, such as on refrigerated trailer or container doors). Tack or spot welding is not permissible.

(d) All door hardware shall have a hot-dip galvanized finish or functional equivalent.

(3) Rear Door Frame

(a) Rear door headers are designed to protect all lights, and wiring from mechanical damage during normal operations.

(b) Rear door lower sills are designed to protect lights, reflective lenses and door lock keepers from mechanical damage during normal operations, as typified by backing into loading platforms, and railcar bridge plates rubbing against the trailer during transit. Replacement rubber or fabric type bumpers do not meet this requirement.

B8. Splicing Of Side Rails and Protectors

(a) Repair Procedures

Damages to the top or bottom rails will directly affect the overall integrity of the trailer or container, and if not properly handled, could cause the total failure of the equipment. The following considerations are involved with this type of repair **[See Figures B-10, 11 and 12]**:

(1) Manufacturer’s recommendations for repairs to top or bottom rail must be followed, with all splices adding adequate strength to the damaged area.

(2) No more than one splice per rail is allowed, except to a stretch trailer (see below).

(3) A spliced rail section shall not exceed 25 percent of the overall vehicle length. **[Refer to Figure B-10]**.

(4) Splice Plates

(a) Splice plates must be of steel and/or aluminum; insulating tape must be used between the aluminum and steel components.

(b) The bottom rail splice plate must extend a minimum of 3 crossmembers, and the top rail splice plate must span a minimum of two posts.

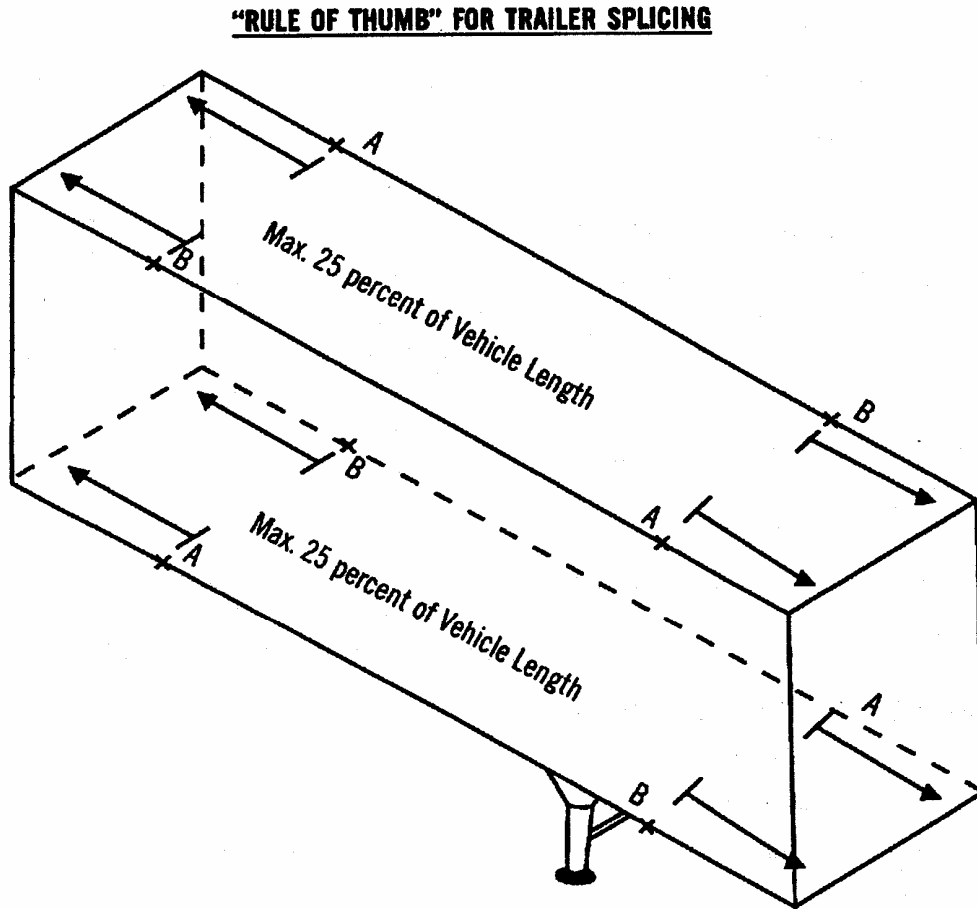
(c) Splice plates on the top rail (per manufacturer specifications) can either be installed on the interior or exterior of the rail.

(5) When a rivet is replaced with a bolt in a crossmember, it must have a minimum of at least a Grade 5 bolt, with a self locking nut. Lock washers may *never* be used.

(6) The welding or plating of top or bottom rails as a means of a repair is prohibited if it directly affects the strength and/or integrity of the rail.

(7) Stretch Trailers

A stretched trailer has been modified by the original manufacturer's specifications, therefore, the stretch portion of the rails shall not be considered a splice.



If splice(s) exist(s) at any A location, then splice is permitted at any other A location(s). If splice(s) exist(s) at any B location, then splice is permitted at any other B location(s). Neither A location may be spliced if either B location on the same side is spliced. Neither B location may be spliced if either A location on the same side is spliced.

NOTE: No more than one splice section of rail is permitted in any top or bottom rail, except stretch trailers.

Figure B-10

(b) Definitions

(1) Top Rail Protectors

Top rail protectors are non-structural attachments at side rails, located near the top side, to protect the top rails and roof from contact with lift arms of lifting devices.

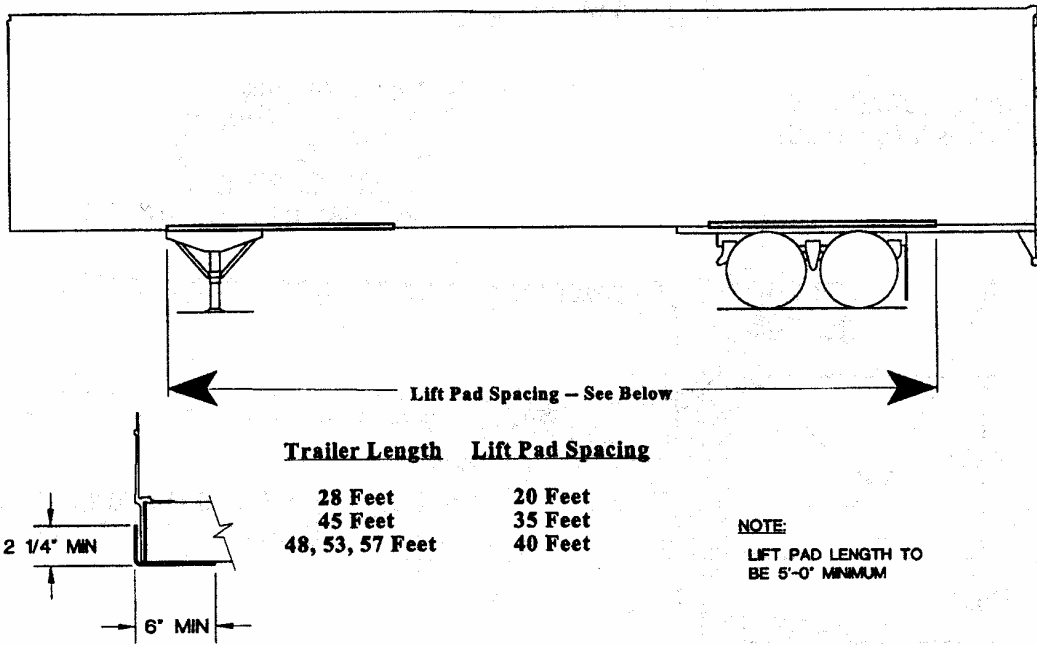
The bearing surface of top rail protectors is designed so as to prevent any contact of the lift arms of lifting devices with the trailer top rails or roof.

Top rail protectors are fastened to the trailer in a manner that prevents damage of top rail protector attachments by lift arms of lifting devices.

(2) Lift Pads [Bottom Rail Protectors]

Lift pads are non-structural attachments at bottom side rails to protect crossmembers, bottom side rails, side walls, and mechanical fasteners located near the bottom of the side and beneath the body from contact with lift shoes of lifting devices.

- (a) The horizontal bearing surface of lift pads shall extend inwardly from the outside vertical plane of the body a minimum of six inches. The vertical bearing surface shall extend upward from the bottom side rail a minimum of 2 ¼ inches. See Figure B-10a.
- (b) Lift pads are fastened to the trailer in a manner that prevents damage of lift pad fasteners by lift shoes of lifting machines.



Trailer Length Lift Pad Spacing

28 Feet	20 Feet
45 Feet	35 Feet
48, 53, 57 Feet	40 Feet

NOTE:
LIFT PAD LENGTH TO
BE 5'-0" MINIMUM

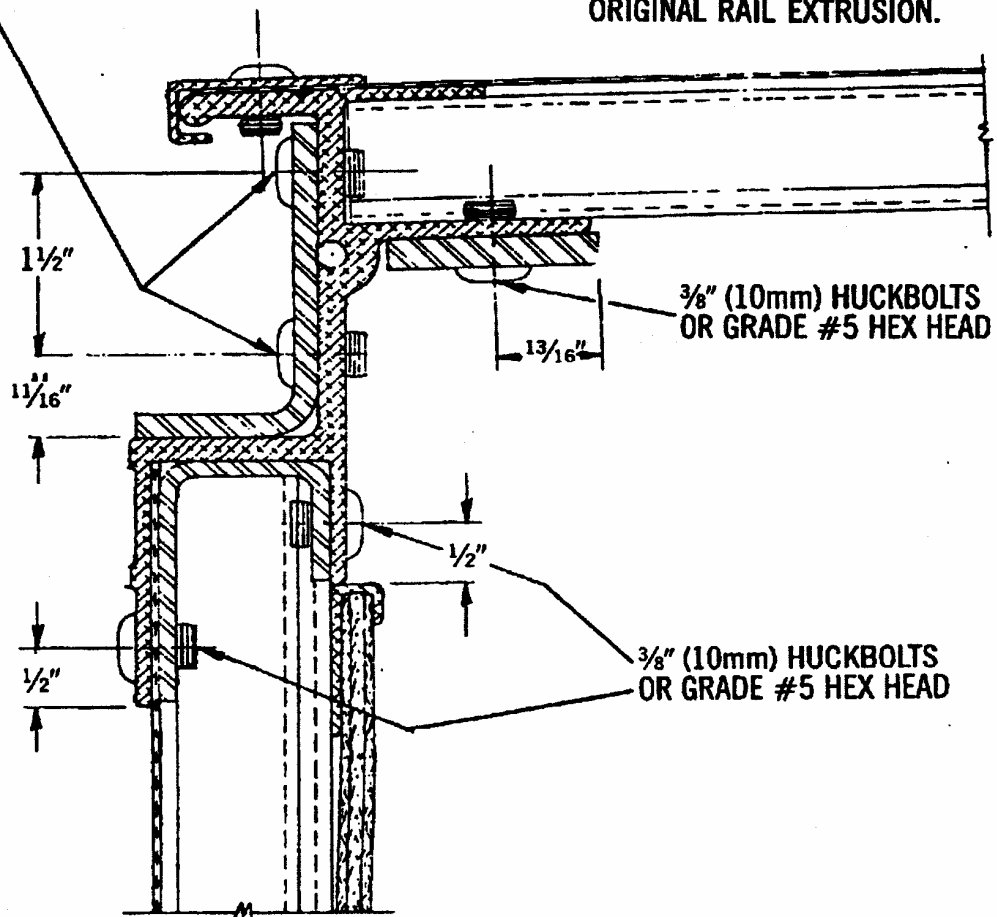
**Trailer Lift Pads [Bottom Rail Protectors]
Figure B-10a**

<u>Unit Length</u>	<u>Lift Pad Length</u>
28 ft.	5 ft.
45 ft.	10 ft.
48 ft.	10 ft.
53 ft.	15 ft. or full length
57 ft.	15 ft. or full length

SPLICING OF TOP RAILS

$\frac{3}{8}$ " (10mm) HUCKBOLTS
OR GRADE #5 HEX HEAD

NOTE: SPLICE DESIGN
MAY USE EXTRUDED
ALUMINUM SECTION
FILLED PROPERLY TO
ORIGINAL RAIL EXTRUSION.



$\frac{3}{8}$ " (10mm) HUCKBOLTS
OR GRADE #5 HEX HEAD

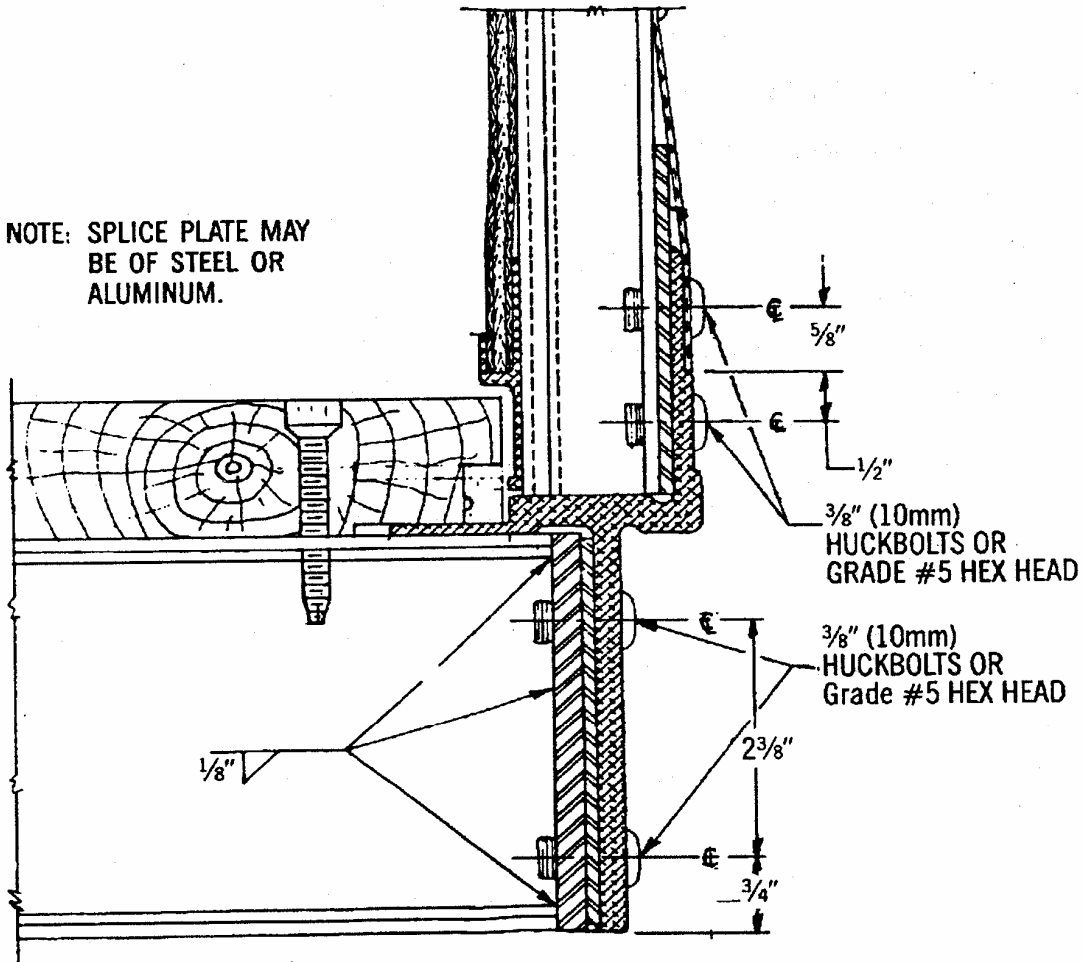
$\frac{3}{8}$ " (10mm) HUCKBOLTS
OR GRADE #5 HEX HEAD

NOTE: Splice plate has the option of being installed internally, externally or both (as above) to top rail.

Figure B-11

SPLICING OF BOTTOM RAILS

NOTE: SPLICE PLATE MAY
BE OF STEEL OR
ALUMINUM.



NOTE: Bottom rail splice plate must extend a minimum of three crossmembers.

Figure B-12

B9. Riveting

(a) General

A large portion of components on trailers and containers is engineered to be permanently fastened together by riveting. The importance of using correct riveting techniques cannot be overlooked in the discussion of proper trailer or container repairs. Listed below are some riveting techniques [refer to **Figures B-13, 14, and 15**].

(b) Inspection Procedures for Locating Defective or Loose Rivets

There are several methods of detecting a loose or defective rivet.

- (1)** If a rivet can be turned or shaken with the fingers, it should be replaced.
- (2)** If looseness is suspected, but cannot be verified by turning it, a sharp rap with a hammer will produce a dull sound in a loose rivet.
- (3)** A further check is to coat the rivet head with light oil, wait a few seconds for the oil to penetrate, wipe it clean, and rap it again with a hammer. If oil appears around the edges again, the rivet should be replaced.
- (4)** Finally, the appearance of evidence of movement or shifting between riveted parts, such as bare or shiny areas, is a good indication of the need for replacement.

(c) Proper Riveting Procedures

- (1)** Select a rivet length so that the shank before riveting protrudes through the material $1 \frac{1}{2}$ times the diameter of the shank [**Figure B-13**].

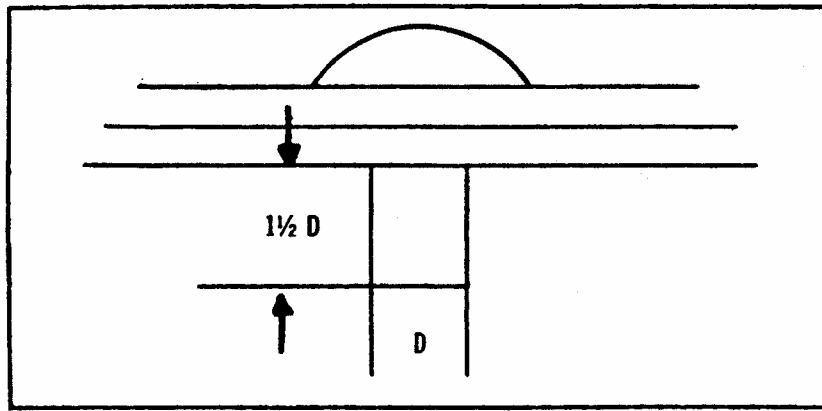


Figure B-13

(2) Tools

The two most important tools for producing a good rivet application are the rivet set and the bucking bar.

(a) Rivet Set

It is important to select and use the correct rivet set and size which will match the head of the rivet being used. An oversized set will flatten the rivet head and damage the adjacent material, while an undersized set will damage the rivet head. The rivet set is held in the gun by a retaining spring. Always be sure that the spring is securely in place prior to starting. The strike of the rivet gun is adjustable and should be tested against a block of wood to insure proper strike.

NOTE: Soft Rivets are prohibited in trailer repairs, except on roof repairs.

(b) Bucking Bar

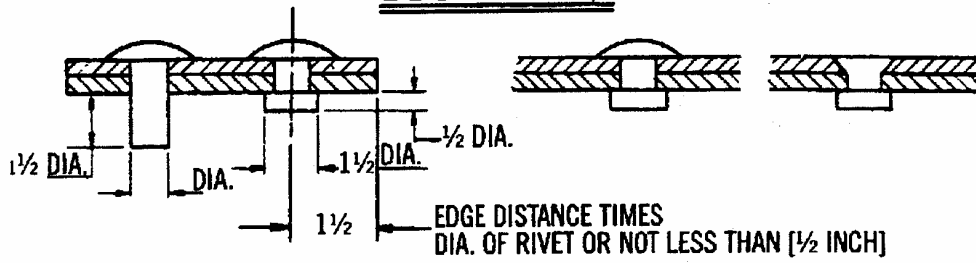
- (1) The bucking bar is used to produce the flat head (bucked head) on the opposite end of the rivet from the manufactured head. By using the correct bar properly, a bucked head should be produced which is $1 \frac{1}{2}$ times the diameter of the rivet shank, and $\frac{1}{2}$ the diameter in thickness.
- (2) The weight of the bar being used has an affect on the riveting job. If the bar is too light, it will require more action from the riveting gun, and will consequently cause damage to the material. A heavy bucking bar will work faster, and will keep the vibration of the gun from being transmitted to the mechanic's hand.

(3) Following are some of the basic rules to follow in the use of a bucking bar:

- a) One surface or side of the bucking bar is polished. This is known as the "face," and must be positioned and held correctly to create a proper Bucked Head.
- b) Keep the face of the bar parallel to the material. If the bar is canted, the bucked head will be improperly formed, and the material will be damaged.
- c) The face of the bucking bar must cover the entire rivet end.
- d) A firm hold on the bar will result in a smoother and faster job and will prevent "chatter."

GOOD AND BAD RIVET HEADS

GOOD RIVETS



POOR RIVETS

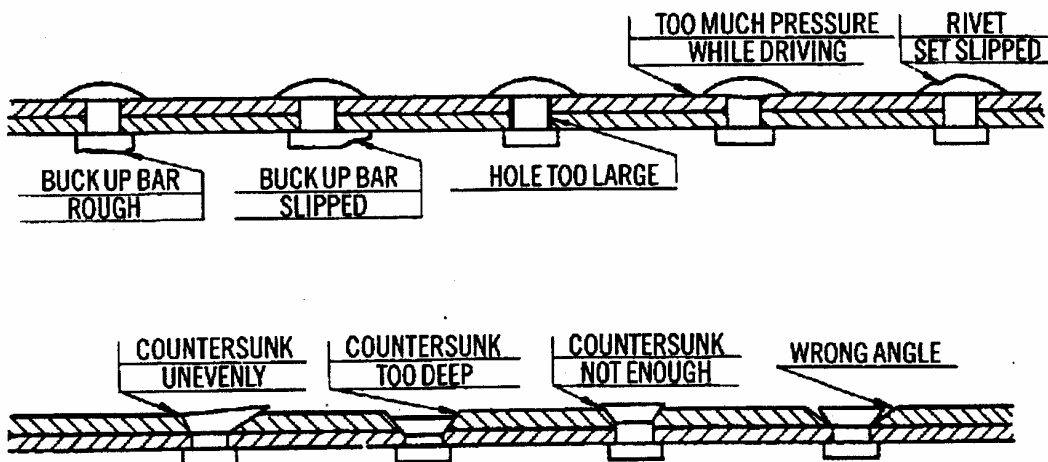
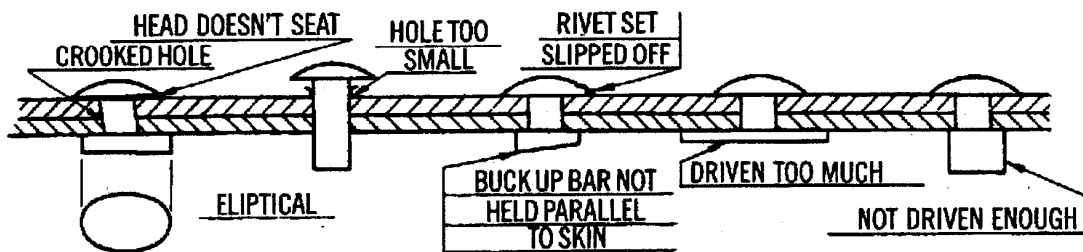


Figure B-14

SOLID RIVET CHART

SIZES AND RATINGS

MATERIAL IDENTIFICATION MARKING (DIMPLE)							MATERIAL IDENTIFICATION MARKING (TRIANGLE)						
SOLID ALUMINUM UNIVERSAL HEAD RIVET							SOLID STEEL UNIVERSAL HEAD RIVET						
SIZE		GRIP RANGE		HOLE PREPARATION			SIZE		GRIP RANGE		HOLE PREPARATION		
DIA.	LENGTH	MIN.	MAX.	DRILL SIZE	HOLE LIMITS		DIA.	LENGTH	MIN.	MAX.	DRILL SIZE	HOLE LIMITS	
3/16	3/8	.057	.150	#7	.200/.204		3/16	3/8	.057	.150	#7	.200/.204	
3/16	7/16	.119	.212	#7	.200/.204		3/16	7/16	.119	.212	#7	.200/.204	
3/16	1/2	.181	.274	#7	.200/.204		3/16	1/2	.181	.274	#7	.200/.204	
3/16	9/16	.243	.336	#7	.200/.204		3/16	9/16	.243	.336	#7	.200/.204	
3/16	5/8	.305	.398	#7	.200/.204		3/16	5/8	.305	.398	#7	.200/.204	
3/16	11/16	.367	.460	#7	.200/.204		3/16	11/16	.367	.460	#7	.200/.204	
1/4	1/2	.075	.200	"1"	.270/.277		3/16	13/16	.491	.584	#7	.200/.204	
1/4	5/8	.199	.324	"1"	.270/.277		1/4	1/2	.075	.200	"1"	.270/.277	
1/4	3/4	.323	.448	"1"	.270/.277		1/4	5/8	.199	.324	"1"	.270/.277	
1/4	7/8	.441	.572	"1"	.270/.277		1/4	3/4	.323	.448	"1"	.270/.277	
1/4	1	.571	.697	"1"	.270/.277		1/4	7/8	.447	.572	"1"	.270/.277	
5/16	3/4	.219	.375	"Q"	.328/.336		5/16	5/8	.094	.250	"Q"	.328/.336	
5/16	13/16	.281	.437	"Q"	.328/.336		5/16	3/4	.219	.375	"Q"	.328/.336	
5/16	7/8	.343	.500	"Q"	.328/.336		5/16	13/16	.281	.437	"Q"	.328/.336	
5/16	1	.360	.548	"Q"	.328/.336		5/16	7/8	.343	.500	"Q"	.328/.336	
3/8	5/8	.062	.250	"X"	.395/.404		5/16	1	.468	.625	"Q"	.328/.336	
3/8	13/16	.173	.361	"X"	.395/.404		5/16	1-1/8	.593	.750	"Q"	.328/.336	
3/8	1	.360	.548	"X"	.395/.404		3/8	5/8	.062	.250	"X"	.395/.404	
3/8	1-1/8	.485	.673	"X"	.395/.404		3/8	13/16	.173	.361	"X"	.395/.404	
3/8	3/4	.111	.300	"X"	.395/.404		3/8	1	.360	.548	"X"	.395/.404	
1/4	1-1/4	.812	1.000	"1"	.270/.277		3/8	1-3/16	.547	.735	"X"	.395/.404	
1/4	1-7/16	1.062	1.187	"1"	.270/.277		3/16	15/16	.615	.708	#7	.200/.204	

MATERIAL IDENTIFICATION MARKING (DIMPLE)							MATERIAL IDENTIFICATION MARKING (TRIANGLE)						
SOLID ALUMINUM COUNTERSUNK RIVET							SOLID STEEL ROUND HEAD RIVET						
SIZE		GRIP RANGE		HOLE PREPARATION			SIZE		GRIP RANGE		HOLE PREPARATION		
DIA.	LENGTH	MIN.	MAX.	DRILL SIZE	HOLE LIMITS		DIA.	LENGTH	MIN.	MAX.	DRILL SIZE	HOLE LIMITS	
1/4	5/8	.200	.325	"F"	.256/.261		3/8	13/16	.173	.361	"X"	.395/.404	
3/8	7/8	.235	.425	"W"	.386/.391		3/8	1	.360	.548	"X"	.395/.404	
3/8	1-1/4	.610	.600	"W"	.386/.391								
3/16	7/16	.119	.212	#9	.193/.196								

MATERIAL IDENTIFICATION MARKING (DIMPLE)							MATERIAL IDENTIFICATION MARKING (TRIANGLE)						
SOLID ALUMINUM BUTTON HEAD RIVET							BRAZIER HEAD RIVET						
SIZE		GRIP RANGE		HOLE PREPARATION			SIZE		GRIP RANGE		HOLE PREPARATION		
DIA.	LENGTH	MIN.	MAX.	DRILL SIZE	HOLE LIMITS		DIA.	LENGTH	MIN.	MAX.	DRILL SIZE	HOLE LIMITS	
3/8	3/8	.111	.300	"X"	.395/.404		3/16	3/8	.031	.187	#10	.192/.196	
3/8	13/16	.173	.361	"X"	.395/.404		3/16	7/16	.125	.250	#10	.192/.196	
3/8	1	.360	.548	"X"	.395/.404		3/16	1/2	.125	.312	#10	.192/.196	
							3/16	9/16	.187	.375	#10	.192/.196	
							3/16	5/8	.250	.438	#10	.192/.196	
							3/16	3/4	.312	.563	#10	.192/.196	
							1/4	3/8	.031	.125	"F"	.256/.261	
							1/4	1/2	.062	.250	"F"	.256/.261	
							1/4	5/8	.187	.375	"F"	.256/.261	
							1/4	3/4	.312	.500	"F"	.256/.261	
							1/4	7/8	.437	.625	"F"	.256/.261	

Figure B-15

B10. Axles, Bearings, And Brakes [See Figures B-16 and B-17]

(a) General

Several components in this manual have been discussed as being integral components of the rail intermodal trailer or chassis; without the proper care and preventive maintenance, bearings and brakes in need of repair delay delivery of freight.

(b) Brakes

(1) Brake Inspection

Cracked or broken drums, ruptured diaphragms, other chamber leaks, and missing, broken, or disconnected parts present imminently hazardous conditions likely to result in an accident or breakdown. Trailers or chassis should never be placed in service when any of these conditions exist.

(2) Brake Adjustments

- (a) The axle must be raised so that the wheels are free from contact with the ground. Release the brakes; use shop air or tractor air, and release the spring brakes, if the system employs spring-loaded parking or emergency brakes.
- (b) While rotating the wheel, tighten the slack adjuster by turning the adjusting screw until the brake lining pressure stops rotation of the wheel. Back off this pressure with the adjusting screw until the brake shoe just releases the drum, and allows wheel rotation again.
- (c) An alternate method of adjusting the brakes without raising the wheels from contact with the ground, and probably the most frequently used, is to tighten the slack adjuster until the brake shoe is tight against the drum; then back off carefully until the shoe jerks slightly, indicating it has started to back away from contact with the drum. Strike the drum with a hammer, and if drag still exists, the blow will produce a dull thud, indicating further clearance is required.
- (d) When adjustment is completed, check the rod length on both sides for similarity, so that application pressure is in balance. The angle made by the push rod and slack adjuster should be approximately ninety degrees when service brakes are applied. Grease and lubricate where necessary, to assure that the linkage is operating without constraint; examine the position of the push rod at chamber exits, to determine that it is not bent or rubbing.
- (e) Automatic Slack Adjuster manufacturers have different procedures in the installation and operation of adjusters. All automatic slack adjusters are designed to automatically maintain a preset stroke or clearance. Self-adjusting brake adjusters should not have to be manually adjusted. Manual adjustments can be made temporarily until an inspection and repair can be completed.

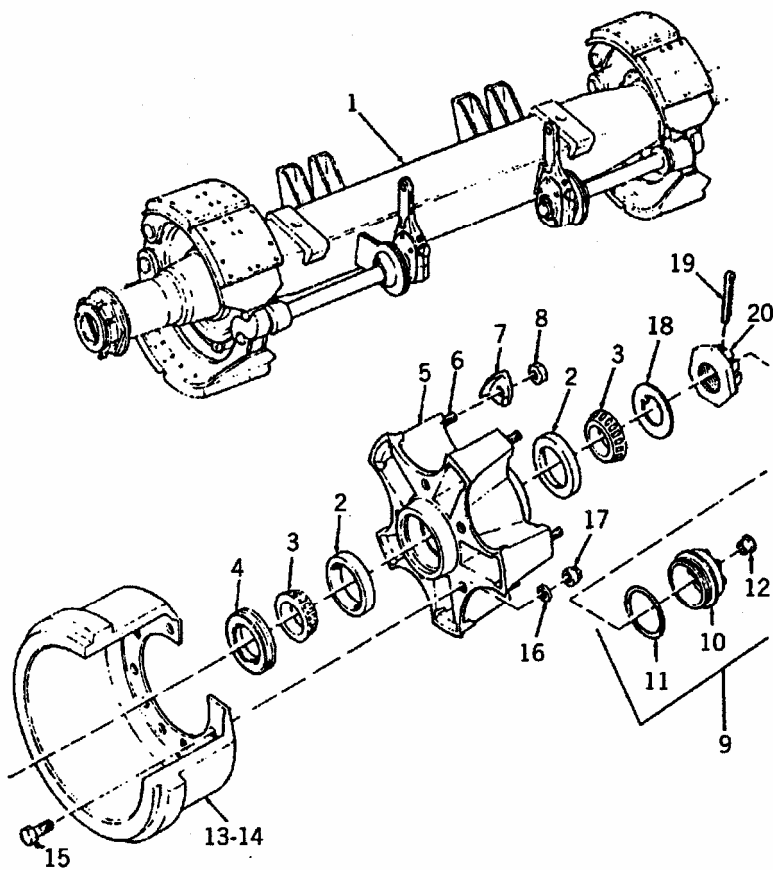
(3) Spring Brake Chambers

- (a) **WARNING:** Spring brake chambers contain high strength springs which are compressed even at the extended position in the chamber. This spring, if suddenly released, can propel itself or other parts of the brake chamber with enough force to seriously injure personnel.
- (b) Recommendations of the spring brake chamber manufacturer should be followed carefully when inspecting, removing, repairing, servicing, disposing, or otherwise handling spring brake chambers.
- (c) Spring brake chambers that are to be discarded should be safely disarmed before storage. Disarming should be accomplished in a disablement cage or other suitable safety device, using a method recommended by the manufacturer of the spring brake chamber.

(4) Brake Liners

- (a) Shoes should be coated to prevent corrosion.
- (b) Stainless steel clevis and pins should be used
- (c) Test to make sure shoe is in proper circumference.
- (d) See **Figure B-17(a)** for acceptable/unacceptable cracks in shoes.

AXLE ASSEMBLY

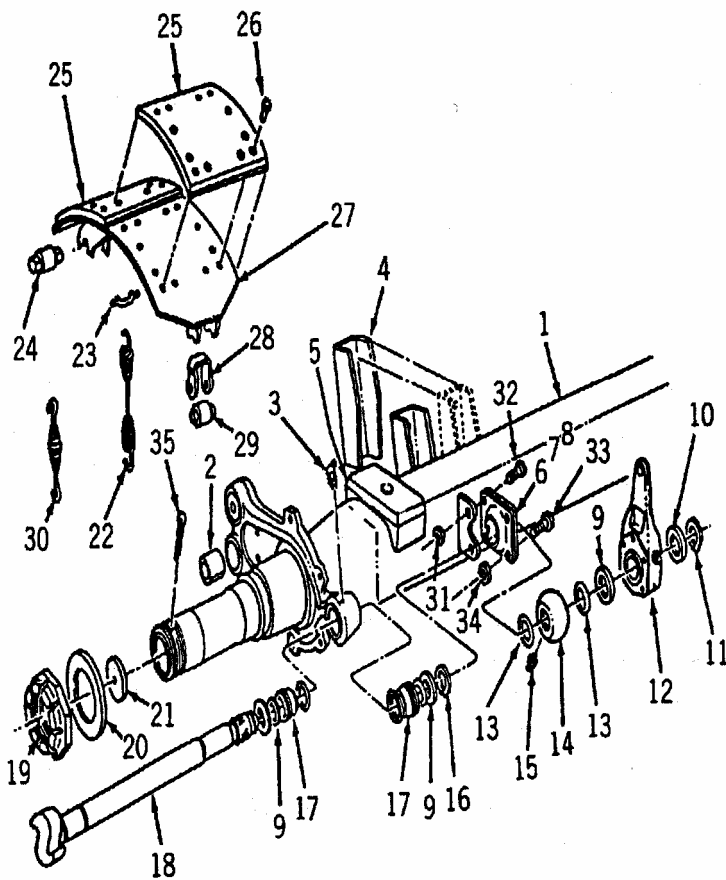


<u>Index No.</u>	<u>Description</u>
1	Axle
2	Cup
3	Cone
4	Seal
5	Wheel
6	Stud
7	Clamp/Wedge
8	Nut
9	Hubcap Kit
10	Hubcap
11	O-Ring
12	Plug
13	Brake Drum Installation
14	Drum
15	Bolt
16	Washer
17	Nut
18	Washer
19	Pin
20	Nut

Figure B-16

AXLE/BRAKE ASSEMBLY

Index No. Description

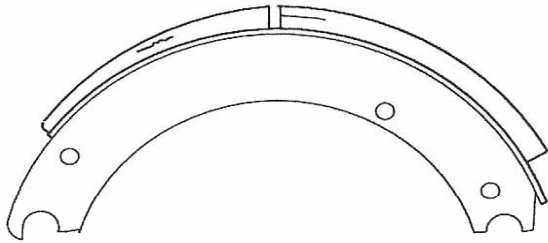


- 1 Tube, Axle
- 2 Bushing, Anchor Pin
- 3 Fitting, Lube, Elbow
- 4 Bracket, Air Chamber
- 5 Chair, Spring
- 6 Bracket, Cam Shaft
- 7 Bracket Retainer, Bolt on Cam
- 8 Bracket Retainer, Bolt on Cam
- 9 Washer, Cam Bearing
- 10 Washer, Shaft End
- 11 Retainer Ring, External
- 12 Slack Adjuster Assy
- 13 O-Ring, Cam Bearing, Inboard
- 14 Bushing
- 15 Fitting, Lubrication
- 16 Retainer Ring, External
- 17 Bearing Seal Assy
- 18 Cam Shaft, Left Hand
Cam Shaft, Right Hand
- 19 Axle Nut
- 20 Washer, Axle
- 21 Expansion Plug
- 22 Spring, Return
- 23 Pin, Return Spring
- 24 Pin, Brake Anchor Lining & Shoe Assy
- 25 Lining, Non-Asbestos
- 26 Rivet, Tubular
- 27 Shoe Assy, Brake, Unlined
- 28 Retainer, Roller
- 29 Roller, Brake Shoe
- 30 Spring, Anchor Pin
- 31 Nut, Hex Lock
- 32 Bolt, Hex Head, 1 ¼" long
- 33 Bolt, Hex Head, ¾" long
- 34 Nut, Hex Lock
- 35 Pin, Cotter

Figure B-17

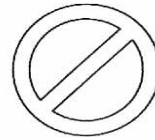


ACCEPTABLE

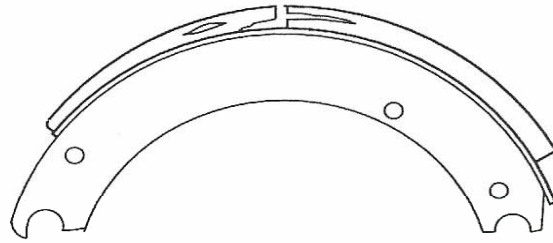


HORIZONTAL CRACKS IN LINING EDGE
NOT EXCEEDING 1/16" IN (1.6 MM) WIDTH
AND 1-1/2" IN (38 MM) LENGTH

1

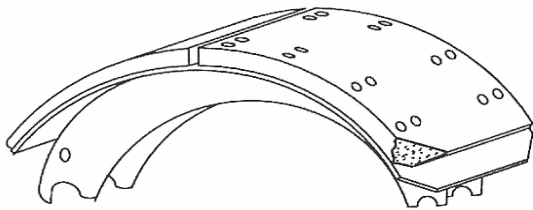


UNACCEPTABLE



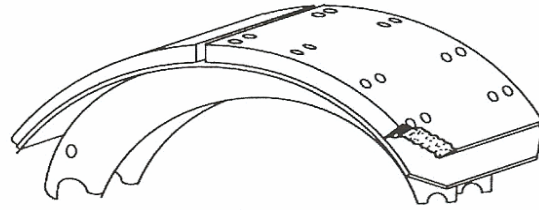
CRACKS OR VOIDS THAT
EXCEED 1/16" IN (1.6 MM) WIDTH OR
CRACKS THAT EXCEED 1-1/2" IN (38 MM) LENGTH

2



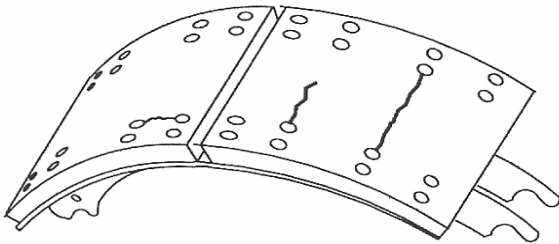
CORNER SEGMENT MISSING
WITH NO FASTENING DEVICE
(RIVET OR BOLT) EXPOSED

3



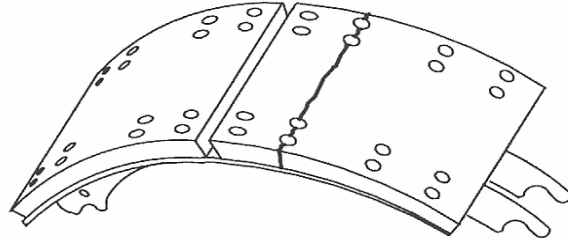
PORTION OF LINING MISSING
THAT EXPOSES A FASTENING DEVICE

4



SURFACE CRACKS IN LINING FACE THAT
CAN EXTEND FROM HOLE TO HOLE

5



CRACKS ACROSS THE LINING FACE THAT
EXTEND THROUGH THE LINING EDGES

6

Drawing Courtesy of the Institute of International Container Lessors (IICL)

Figure B-17a

B11. Upper Coupler And King Pin [Figures B-18 through B-23]

(a) King Pin

(1) Repair Restriction

No repair to the king pin of any trailer or chassis in intermodal service is allowed without notification to the owner, and then king pins may be repaired only in accordance with specific instructions from the manufacturer of the trailer or chassis.

(2) Kingpins Wear Limits

By permission of the Society of Automotive Engineers, the document *SAE J2228 – King Pin Wear Limits, Commercial Trailers and Semi Trailers*, forms a part of this specification to the extent specified herein. Unless otherwise specified, the current issue of this publication shall apply. All publications are subject to revision, and the users of this document should be certain they are using the current version. Copies of SAE J2228 can be obtained by contacting the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096.

(a) Scope

This provision applies to upper coupler kingpins for commercial trailers and semitrailers conforming to the dimensional requirements of SAE J700 when new and originally installed. The dimensions of SAE J700 are the frame of reference for this document.

(b) Purpose

The purpose of this document is to establish maximum parameters for kingpin wear, and to suggest a gauge configuration for inspecting kingpin wear. Kingpins exceeding the conditions of this specification must be removed from service and replaced.

(c) References

Applicable Document – The following publication forms a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

SAE Publication – Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096.

SAE J700 – Upper Coupler Kingpin – Commercial Trailers and Semitrailers

(d) Figure B-18 shows minimum diameters and allowable areas for wear on kingpins. Check diameter at several points around the kingpin in order to detect and measure non-uniform wear conditions. Kingpin wear is restricted to areas shown in Figure B-18 in crosshatch. Wear on non-crosshatched areas is not acceptable.

Figure B-19 shows areas on the kingpin where nicks, burrs, gouges, etc., are allowed. However, no burr, nick, and/or gouge may exceed 3.2 mm (0.12 in) in depth. The maximum number of nicks, burrs, gouges etc., that exceed 1.5 mm (0.06 in) in length should not exceed 10 on the 50.8 mm (2.00 in) diameter. Nicks, burrs, gouges, etc., should not exceed 6.4 mm (0.25 in) in length, when measured at their maximum length.

Figures B-20 and **B-21** show a recommended gauge to inspect:

- (1) Wear on 50.8 mm (2.000 in) diameter
- (2) Wear on 73.02 mm (2.875 in) diameter
- (3) Kingpin length
- (4) Kingpin squareness to bolster plate

The gauge shown is of a “No Go” design, so any engagement of the gauge on the appropriate diameter indicates the kingpin is worn, and must be removed from service and replaced.

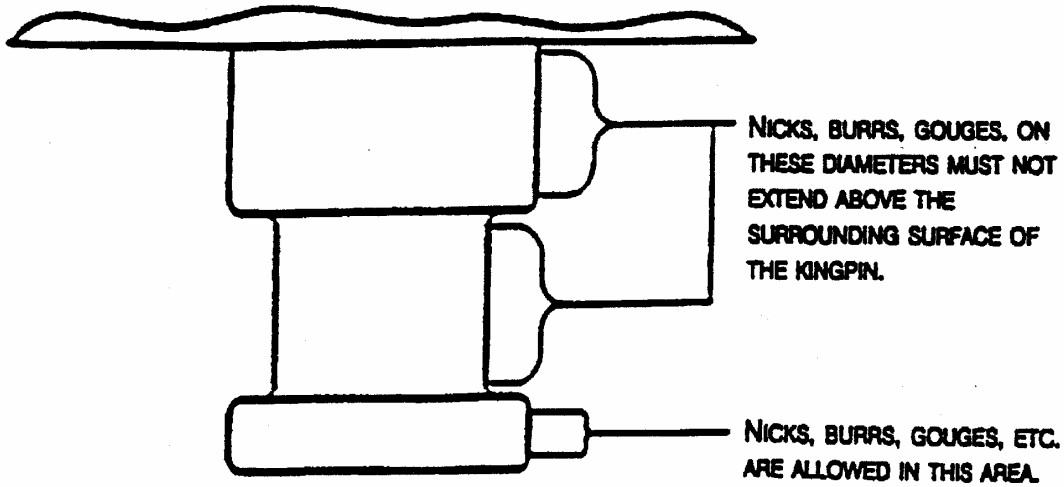
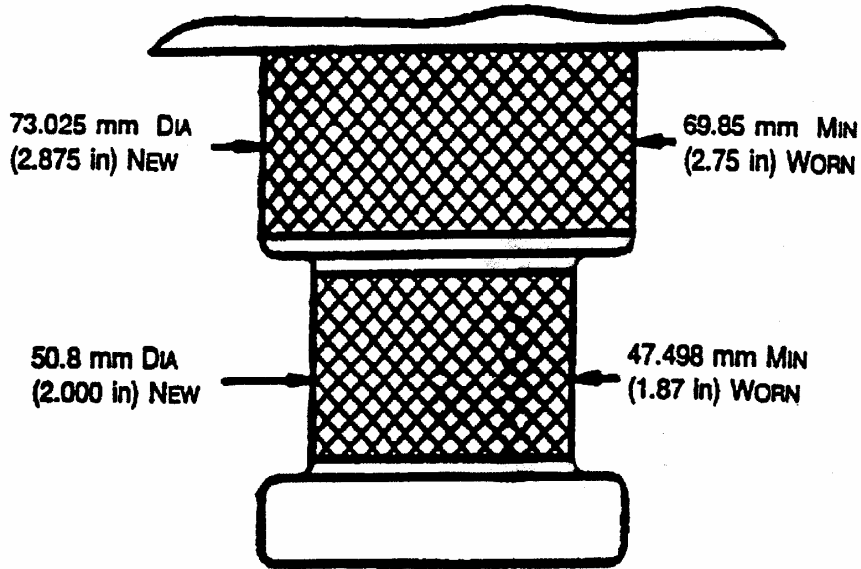
Kingpin length, squareness, and bolster plate flatness must be in accordance with SAE J700. Check squareness at several points around the kingpin to detect an out-of-square condition.

Other gauge configuration and direct reading measurement devices, such as micrometers and dial calipers, may also be used.

(b) Upper Coupler

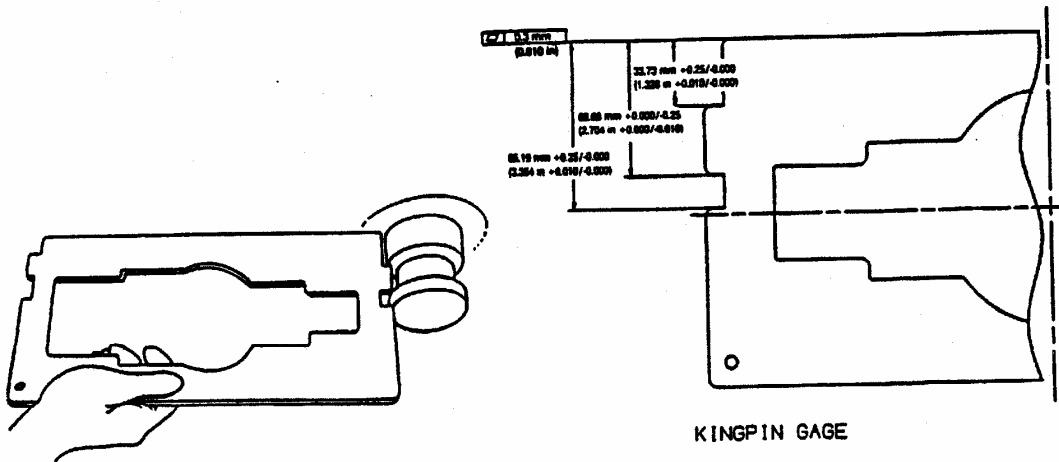
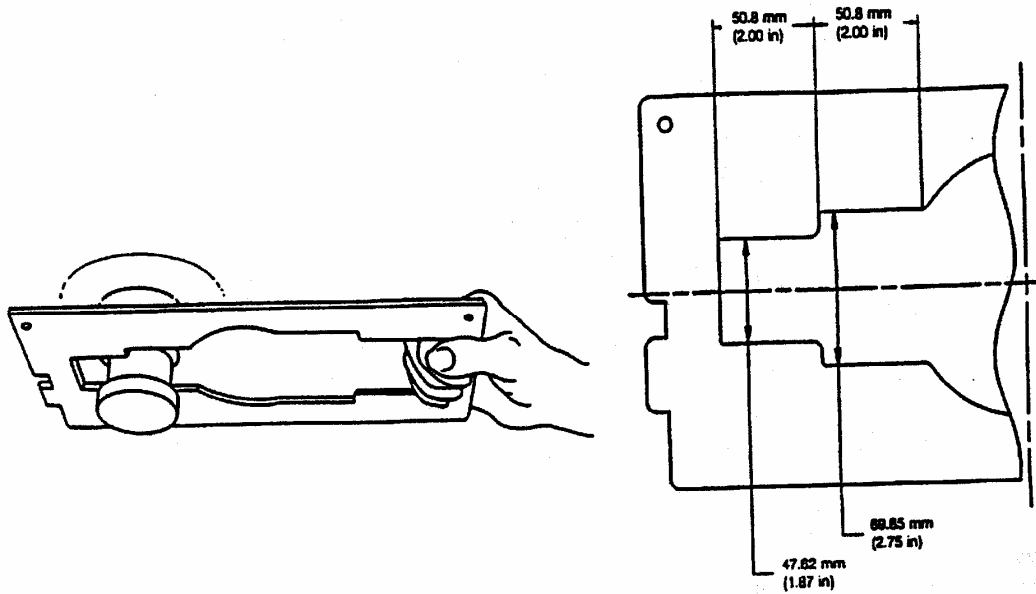
Upper coupler attachment fasteners, when damaged, loose or missing, generally due to “scuffing the bottom rails,” should be replaced immediately for safe operation. These fasteners retain the upper coupler in position, and play an important role in the overall trailer design. The quantities of these fasteners are based on the amount of shear load and forces introduced by the upper coupler. Any reduction of fasteners, whether damaged, loose or missing, places the trailer at risk for continuous safe operation.

Figure B-18
Kingpin Wear Limits



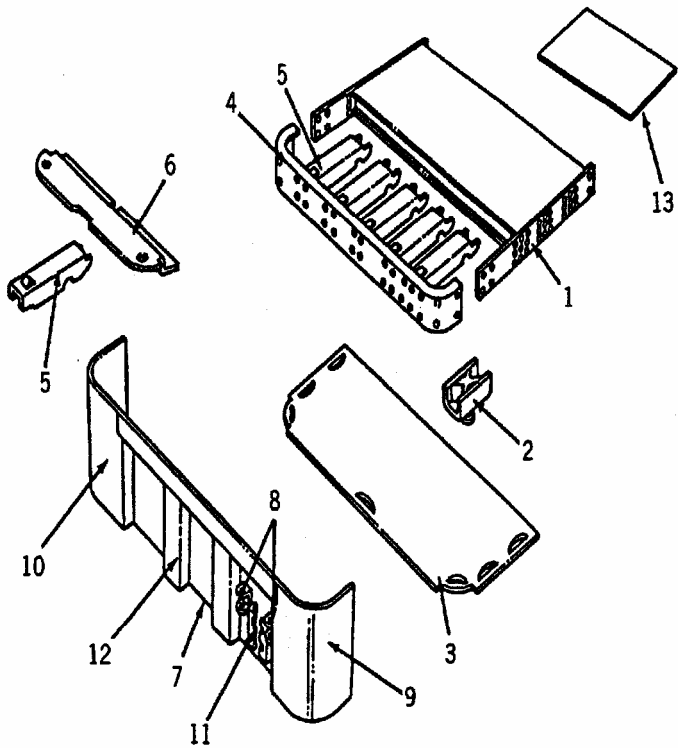
Kingpin Nicks, Burrs, Gouges
Figure B-19

Figure B-20
Inspection of Kingpin Diameters Using One Type of Gauge



Kinpin Length and Squareness Check Using One Type Of Gauge
Figure B-21

FRONT FRAME



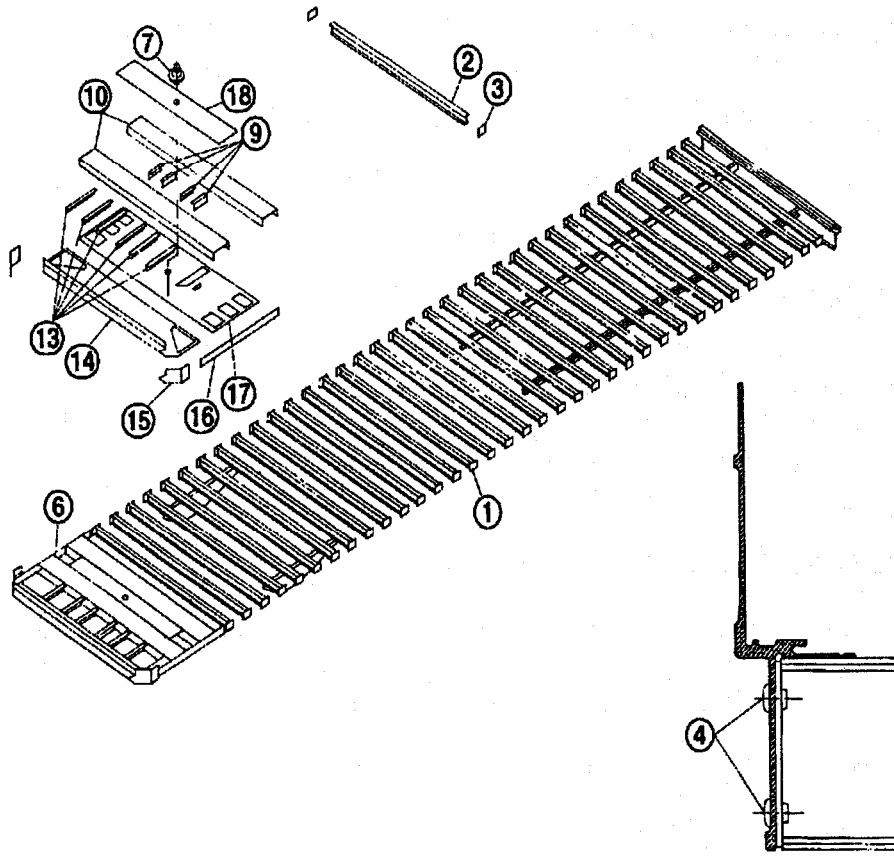
Index No.

Description

- | | |
|----|-----------------------------------|
| 1 | Coupler Assembly, Upper |
| 2 | King Pin |
| 3 | Apron Plate |
| 4 | Crossmember, Front |
| 5 | Channel, Front Frame |
| 6 | Plate, Floor Front |
| 7 | Bulkhead Assembly |
| 8 | Bracket |
| 9 | Corner, Front, Bulkhead, Roadside |
| 10 | Corner, Front, Bulkhead, Curbside |
| 11 | Angle, Connection Box Support |
| 12 | Channel, Front |
| 13 | Anti Hook Plate |

Figure B-22

FLOORBED & FRAME ASSEMBLY



<u>Index No.</u>	<u>Description</u>	<u>Index No.</u>	<u>Description</u>	
1	Sill Assembly	10	Crossmember	
2	Sill	13	Stiffener	
3	Clip, Floor Sill	14	Plate, Pickup	
4	Rivet, Solid Aluminum, Universal Head	15	Corner Radius, Curbside	
6	Fifth Wheel Assembly, Radius Front, 36"	16	Corner Radius, Roadside	
7	King Pin	17	Plate, Side	
9	Stiffener	18	Plate, Bottom	
			18	Plate, Top

Figure B-23

B12. Subassembly [Figures B-24 and B-25]

(a) Locking Mechanisms

(1) Types

Sliding undercarriages fall into one of three categories, with regard to the manner in which they are locked into place beneath the trailer or chassis:

- (a) Retractable pins operated by a pull handle or level on the slider.
- (b) Removable stop bars, one located in front, and one located in back of the slider.
- (c) A combination of retractable pins and a removable bar.

(2) Safety Requirement

Regardless of the type of locking mechanism used, retractable pins and removable bars are the principal structural elements holding the slider in place beneath the trailer or chassis. If these are not maintained in proper working order, or if they are not utilized in the manner prescribed by the manufacturer, the slider can become detached from the trailer or chassis, and a serious accident can result.

(b) Guide and Hold Down Brackets

All guide and hold down brackets must be in place, and in good repair for safe operation. These brackets provide all or part of the lateral and vertical retention of the slider, and their maintenance is required for safe operation of the trailer or chassis.

(c) Maintenance

- (1) Perform scheduled maintenance of the suspension and slider per the manufacturer's recommendation.
- (2) Perform repeat examination of all components, especially the removable stop bar and/or locking pin mechanisms, on a regular basis, during preventative maintenance or safety inspections.
- (3) Replace worn or broken components with factory approved replacement parts.

<p>WARNING: Failure to check for proper locking pin engagement prior to driving away, and failure to take proper preventative maintenance measures can lead to slider malfunction and possible accident, resulting in property damage, personal injury, or even death.</p>

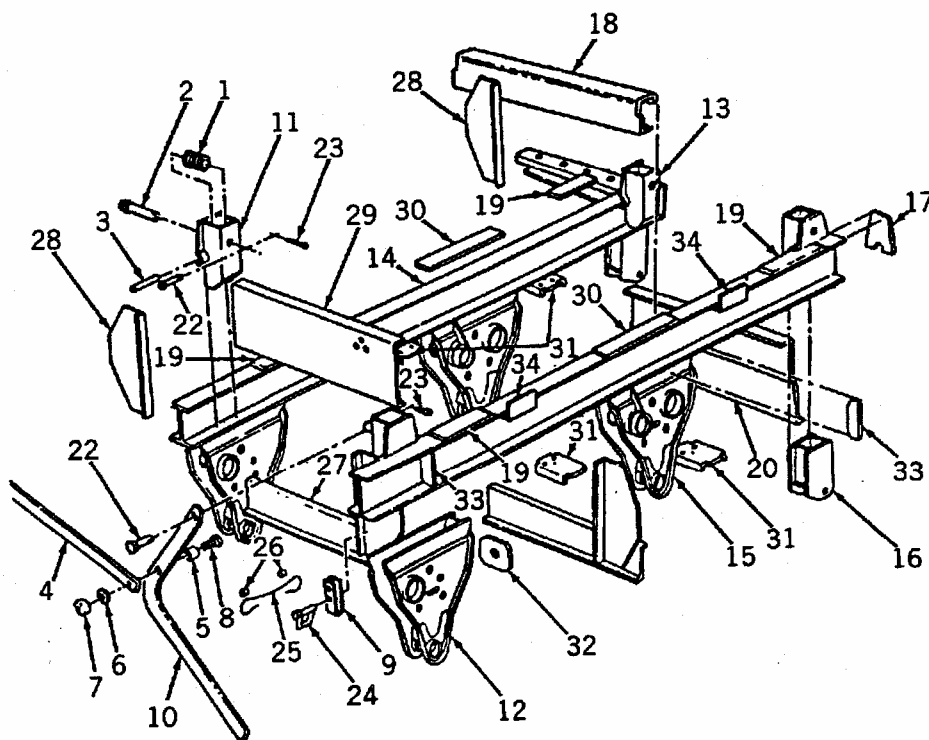
(d) Air Rides

Air-Ride suspension reduces tire wear, road wear, fuel consumption, and also reduces vibration.

System components must be maintained in order to prevent them from becoming damaged, worn, or misaligned. Any abnormalities such as loose or missing fasteners, bushing connections, or abnormal tire wear should be assigned for maintenance.

Anytime parts are replaced for service, damage, wear, or failure, complete suspension should be checked.

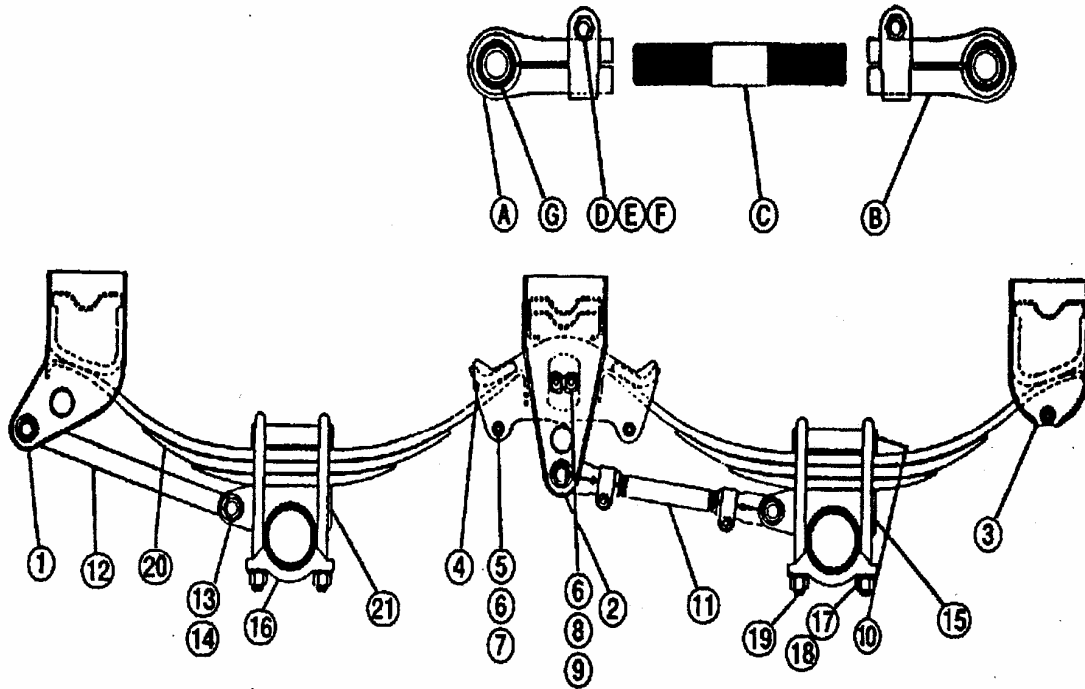
SUBFRAME ASSEMBLY, LOWER - FS SLIDER



<u>Index No.</u>	<u>Description</u>	<u>Index No.</u>	<u>Description</u>
1	Spring, Lock Pin	18	Crossmember
2	Pin, Lock	19	Slider Plate
3	Pin	20	Crossmember
4	Crossbar	22	Lock Pin, Select-A-Point
5	Sleeve	23	Cotter Pin
6	Washer, Plain	24	Lock Pin
7	Nut, Hex	25	Cable, Flexible
8	Bolt, Hex Head	26	Sleeve
9	Guide, Locking Lever	27	Crossmember
10	Lever	28	Gusset
11	Bracket Assy, Front	29	Crossmember
12	Hanger Assy, Front	30	Plate, Slider
13	Bracket Assy, Rear	31	Bracket, Air Tank Mounting
14	Rail, Lower Subframe	32	Gusset, Hanger
15	Hanger Assy, Equalizer	33	Gusset, Hanger
16	Hanger Assy, Rear	34	Rail Guide
17	End Plate		

Figure B-24

SPRING ASSEMBLY



<u>Index No.</u>	<u>Description</u>	<u>Index No.</u>	<u>Description</u>	<u>Index No.</u>	<u>Description</u>
1	Hanger-Front Spring	10	Top Plate (for round/square U-bolt)	21	Spring Seat (Round or Square)
2	Hanger-Equalizer	11	Torque Arm-Adjustable	A	Eye End-Adj. Torque Arm L.H.
2-4	Hanger & Equalizer Straddle Mount Assembly	12	Torque Arm, Non-Adjustable	B	Eye End-Adj. Torque Arm R.H.
3	Hanger-Rear Spring	13	Torque Arm Bolt	C	Screw-Adj. Torque Arm
4	Equalizer w/Rubber Bushing	14	Flange Locknut	D	Hex Nut
5	Sleeve Spacer	15	Spring Seat (Round or Square)	E	Flat Washer
6	Hex Nut	16	Bottom Plate (Round or Square)	F	Hex Head Bolt
7	Hex Bolt	17	Flat Washer	G	Bushing
8	Step Bolt	18	Hex Bolt		
9	Double Washer with Lock Tab	19	U-Bolt (Round or Square)		
		20	Spring Assembly (Single/Multiple Leaf)		

Figure B-25

B13. Electrical and Air Systems

(a) Electrical System

(1) Lighting System

- (a) Lighting systems shall be 12-volt design, with conventional seven conductor electrical connector socket wires, and installed per **Figure 1**.
- (b) The lighting system on trailers consists of a light connection located on the nose of the trailer, four red marker lights, two amber marker lights, four amber reflectors, two red reflectors, two combination stop and tail lights, one R.H. directional signal, one L.H. directional signal, one license plate light, auxiliary lights, and all the necessary wiring, wiring clips, terminals and connectors for the correct functioning of the system to meet required Federal Motor Vehicle Safety Standard 108. Lights are recessed for protection from trailer sides and ends, with no opening permitted that will allow water into the system.
- (c) Chassis lights consist of two combination stop and tail lights, one R.H. directional signal, one L.H. directional signal, and one license plate light. Lights are recessed for protection, with no opening permitted that will allow water into the system.

(2) Protective Coating

It is recommended that dielectric grease be used as a protective coating on all electrical connectors, to assure longevity and performance of the electrical connection.

(3) Welding

Welding on trailers and chassis can be hazardous to sensitive electrical components such as lights. Before welding, check the following:

- (a) All air lines are protected from heat and splatter
- (b) All anti-skid components are shielded and protected from heat and splatter.
- (c) A ground clamp is placed as close to the weld as practical.
- (d) Electrical trailer power cord must be disconnected from power unit.

(b) Air System [Figures B-26 and B-27]

Air brake lines are designed to be accessible from the exterior of the trailer, normally running in the center of the trailer, accessible from beneath. Caution should be taken when working on the floor, crossmembers, etc., so as not to damage the integrity of the system.

WARNING: Air Chamber Diaphragm Replacement is NOT recommended.

(1) Air Relay Valve Replacement

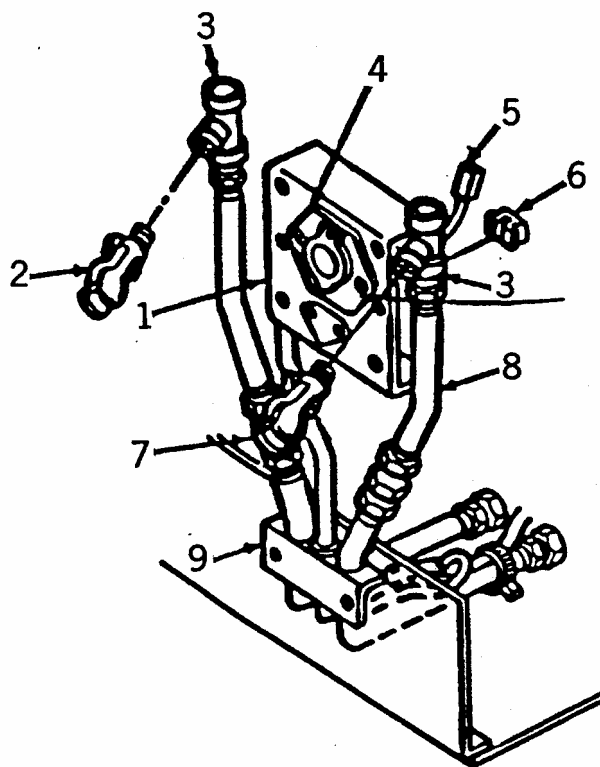
If relay valves require replacement due to corrosion or mechanical damage on trailers or chassis, replacement should be on a one for one basis with the OEM replacement. Do not install a relay valve which has a different manufacturer than the valve originally installed. Refer to the manufacturer for information on replacement valves.

(2) Drain Cock Manual Replacement

All air tanks have, at the lower-most point, a threaded boss and a manual rotating type valve, which allows bleeding air pressure and entrapped moisture, dirt and debris from the tank. These valves, due to their constant exposure to moisture, do malfunction, and are replaced with a similar type rotating valve by merely unthreading the defective valve and inserting a replacement component.

(3) Gladhand Placement

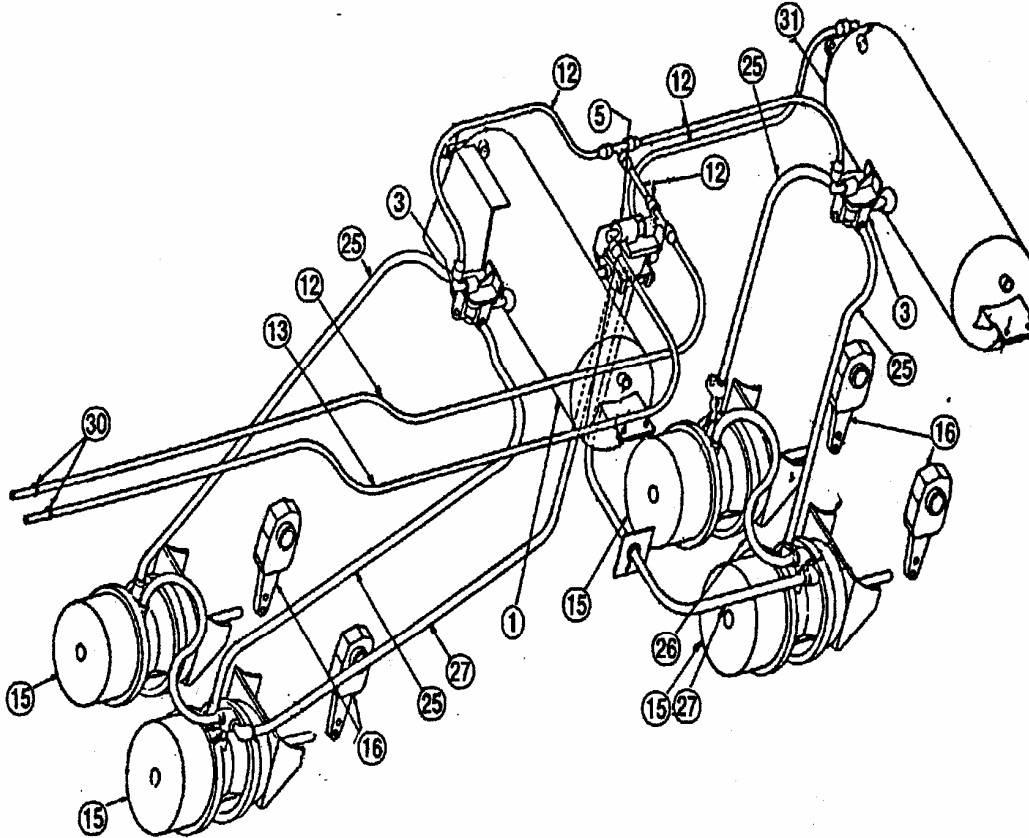
Gladhands shall be mounted in the recessed portion of the nose of the trailer or chassis, so as to make the gladhands flush or recessed, to prevent damage from impact to the nose of the trailer or chassis.



<u>Index No.</u>	<u>Description</u>
1	Box, Light Receptacle
2	Coupling, Air, Service Gladhand
3	Fitting, 45 Deg. Y-Bend
4	Receptacle, 7-Way
5	Pig Tail
6	Nut, Retainer Speed Clip
7	Coupling, Air, Emergency Gladhand
8	Hose Assembly
9	Coupling Assembly, Airline

AIR CONNECTIONS – Figure B-26

AIR ACTUATION BRAKE SYSTEM



<u>Index No.</u>	<u>Description</u>	<u>Index No.</u>	<u>Description</u>
1	Service Reservoir	15	Spring Brake Chamber
3	Valve	16	Slack Adjuster
5	Valve	25,26,27	Hose Assembly
12	Tubing	30	Conduit
13	Tubing	31	Service Reservoir

Figure B-27

B14. Tires

(a) Safety Precautions

When working with tires, several safety precautions should be followed. Listed below are items to be considered:

- (1)** Do not re-inflate a tire that has been run while flat without first inspecting the tire, rim, and wheel assembly. 20% under-inflated is considered flat. Tire should be inspected for defects. Double check the lock ring for damage; make sure it is secure in the gutter before inflation.
- (2)** Always exhaust all air from both tires of a dual assembly prior to removing any rim components, or any wheel components, such as nuts and rim clamps. Make sure you remove the valve core and exhaust all air from the tires.
- (3)** Always stand to one side when you apply air pressure to the tire.
- (4)** Check rim components periodically for fatigue cracks. Replace all cracked, badly worn, damaged, severely rusted components, or welded components. Three-piece rims are prohibited.
- (5)** Make sure that the correct parts of a tire/rim assembly are being assembled. Mixing parts of one manufacturer's rims with those of another is prohibited.
- (6)** Double check to make sure all components are properly seated prior to inflating a tire.
- (7)** Do not overload rims or over-inflate tires. (Check with the rim manufacturer if special operating conditions are required.)
- (8)** Do not seat rings by hammering while the tire is inflated. Do not hammer on an inflated or partially inflated tire/rim assembly.
- (9)** Do not inflate any tire before all side and lock rings are in place. Check components for proper assembly again after inflating to approximately five psi.
- (10)** Never sit on or stand in front of a tire and rim assembly that is being inflated. Use a clip-on chuck, and make sure the air hose is long enough to permit the person inflating the tire to stand to the side of the tire (minimum 24 inches).
- (11)** All studs and lug nuts should be replaced according to DOT regulations.

CAUTION: Always inflate tires which have been removed from trailers or chassis in a safety cage. Tires may be inflated and deflated while on the trailer or chassis.

(b) Inflation

Tires should be properly inflated according to the individual tire's standards.

- (1)** Under-inflation of tires causes abnormal wear at the sides of the tread, because the outer edges of the tire carry the load, while the center tends to flex up away from the road. This causes the tire to run hotter.
- (2)** Over-inflation of tires causes abnormal wear in the center of the tread, also shortening the life of the tire, because the center of the tire tread carries more than its share of the load.

(c) Minimum Standard for Retreading And Repairing Bias Ply tires

(1) Purpose

The retreading standards described herein provide guidelines for manufacturing retreaded trailer or chassis tires for highway service.

(2) Scope

These standards cover definitions of terms used in the retreading industry, initial inspection criteria for rejection of casings, acceptance criteria for repair of tires for retreading, in-process rules, and final inspection.

(3) Definitions

See Glossary.

(4) Casing Inspection and Selection for Retreading

(a) Inspection of Casings

A careful inspection shall be made by a skilled operator, and shall include placing the tire on a bead spreader under adequate lighting (at least 200 footcandles), so that the interior and exterior of the tire are adequately exposed for visual and manual examination.

(b) Inspection Standards for Tires Used on the Highway

All casings must be top quality 12/14 ply, Department of Transportation approved, or Japanese casings which are also acceptable. No tires to be accepted for retreading may contain any of the following weaknesses or injuries, or require section repairs.

(1) External

- (a)** Ply separation
- (b)** Tread separations which are not removed during buffing.
- (c)** Broken, damaged, kinked, or exposed bead wire.
- (d)** Oxidation (weather checking) exceeding 1/32 inch in depth.

- (e) Truck tires worn to the body plies on more than 10% of the worn tire circumference are permitted, provided, in the opinion of the retreader, the tire can be satisfactorily retreaded.
- (f) Holes larger than ¼ inch after skiving [after the object is removed]. Nail holes are those injuries which must be filled with a suitable repair material, but do not require reinforcement (maximum three hole repairs per casing, provided hole patches are at least ten inches apart). NOTE: Nail hole patches must be applied over the inside of the punctured areas. Section repairs are not allowed.
- (g) Injuries penetrating sidewall cord.
- (h) Injuries exceeding ¼ inch in the shoulder area.

(2) Internal

- (a) Injuries to the plies in the bead area.
- (b) Loose cords on the inside ply, or evidence of having been run under-inflated or overloaded.
- (c) Non-repairable damage to the inner liner or bead sealing area on tires identified as tubeless.
- (d) Flex breaks.

(5) Processing

The processing standards listed below are essential to proper manufacturing of the retread. Top caps or full caps are acceptable; bead to bead caps are not acceptable.

(a) Buffing

Buffed tire dimensions shall be appropriate to the system used. The finished buff on each casing may not penetrate more than one breaker ply 12 inches in length.

- (1) The tread surface which is to receive the new rubber shall be prepared to a symmetrical profile and texture. On trailer or chassis tires, all frayed cord shall be trimmed. The buffed surface shall be free from contamination, and shall have a texture equivalent to an RMA 3 or 4.

(2) Precured Tread Retreading

- (a) The buffed width and radius shall be appropriate to the fixed dimensions of the precured tread rubber chosen.
- (b) The tires shall be prepared and shaped to a specification to be posted in the shop.

(b) Cementing

- (1) Cementing must be accomplished as soon as possible, within a maximum of 12 hours after buffing.

- (2) Buffed casings stored over 12 hours shall be reworked prior to cementing.
- (3) Tires to be cemented must be free from foreign material such as buffing dust, dirt, loose cords, etc.
- (4) Some procedures do not require cementing of tires. In these cases, tires shall be built or reworked within the time frames given in (b)(1) and (2), above.

(c) Building

- (1) If tire cord is exposed on any portion of the buffed area, it shall be coated with a heavy duty vulcanizing cement, and then covered with a suitable material before applying the tread rubber.
- (2) Skives shall be filled with a repair material that is thoroughly stitched or extruded into place to eliminate all trapped air, and reinforced if necessary. Buzz outs may not exceed $\frac{1}{2}$ inch long by $\frac{3}{4}$ inch wide, and may not penetrate more than two breakers. Section repairs are not allowed.

(3) Uncured Tread Retreading

- (a) Tread rubber must be of the crown, base, and gauge dimensions as required for matrix design, and the size in which the tire is to be cured, and shall provide a minimum of $\frac{2}{32}$ inch (1.587 mm) replacement undertread. The minimum tread depth shall be $\frac{11}{32}$ inch.
- (b) Tread rubber adhesive surfaces (if any) must not be contaminated in any way.
- (c) Tread rubber must be centered around the buffed circumference of the tires, $\pm\frac{1}{8}$ inch (3.175 mm).
- (d) Stitching (if required) must be performed in such a way as to eliminate trapped air pockets, pulling the tread off center, and distortion of rubber shoulders, folds and wrinkles in the rubber shoulders.
- (e) Splices (if any) must be made in such a manner as to ensure minimum distortion of the rubber.
- (f) No more than three spot repairs per casing is permitted. No spot repair may penetrate the first ply or exceed four square inches.

(4) Precured Thread Retreading

- (a) Tread rubber must be centered around the buffed circumference of the tires, $\pm\frac{1}{8}$ inch (3.175 mm).
- (b) Thread pattern interruption must be minimized at the splice.
- (c) Cut ends must have a buffed texture over the entire surface, and be free of contaminants.

(d) Curing

(1) Uncured Tread Retreading

- (a) Tires shall be stored in such a manner as to prevent distortion of the uncured rubber, and shall be kept free from contamination.
- (b) Information or specifications on curing time, temperature, pressure, and proper curing of tubes and rims (when used) shall be posted.

(2) Precured Tread Retreading

- (a) Envelopes, diaphragms, or outside steam bags shall be leak free.
- (b) Information or specifications on curing time, temperature, pressure, and proper curing of tubes and rims (when used) shall be posted.
- (c) Wicking (when required) shall be accomplished to allow air removal from between the envelope, diaphragm, or outside steam bags on the enclosed tire areas during cure.

(6) Final Inspection

After curing, the retreader shall make a final examination of the tire.

- (a) The inside of the tire shall be checked to ensure that nail holes, reinforced skives, and spot repairs are properly bonded.
- (b) The retreaded tire shall not be buckled and shall show no separations.
- (c) The outside of the tire shall be checked to ensure that it has been adequately molded and cured and has all the required labeling. The retread manufacturers' complete DOT code (including retreader identification and date) must be molded/branded into the sidewall of the original casing, and be visible after capping. (No cold vulcanizing cement is allowed.)

(7) Finished Product

- (a) The finished product must be serviceable for interstate highway use.
- (b) The finished product must be warranted by the manufacturer to either the purchaser or trailer/chassis/tire owner.

B15. DOT Underride Guard

DOT underride guards are assemblies, required by DOT specifications, which are fastened to rear sill assemblies and/or slider rails, and designed to reduce damage in rear end collisions (refer to FMVSS 223 and FMVSS 224).

- (a) A vertical bend in excess of 3 inches in the horizontal member should be repaired.
- (b) If the end of the horizontal member is bent upward, it can be bent down to its original position. If it is bent downward, it can be left alone or bent up to its original position. If it is bent forward less than 3 inches, no repair is needed.
- (c) If the middle of the horizontal member is bent forward, or if the entire guard is bent forward, consult the manufacturer for repair guidelines.
- (d) Use only cold bending methods. Repetitive bending should be avoided.
- (d) With guard damage, the rear crossmembers, rear sill, vertical members and last six feet of the floor must also be inspected for damage.
- (e) Missing guards should be replaced with an OEM assembly, or an assembly fabricated to the same specifications.

APPENDIX C – GLOSSARY

The following terms when used in this Standard shall have the meaning set forth.

C1. Trailer Component Glossary [Refer to Figures C-1 and C-2]

AIR BRAKE SYSTEM—A brake system which uses compressed air as the means of transmitting pressure or force from driver control to service brakes.

ANTILOCK SYSTEM—That part of a service brake system that automatically controls the degree of rotational wheel slip at one or more wheels during braking.

AXLE—A beam with spindles about which wheels rotate.

AXLE SPINDLE—The machined steel rod or shaft (usually heat-treated and hardened) at each end of the axle which is contoured to accept wheel bearings, and around which the wheels rotate.

BRAKE CHAMBER— Converts differential air pressures into mechanical forces which are applied to wheel brakes through mechanical linkage; also called “air chamber,” “vacuum chamber,” “cans,” “boosters,” “airbrake chamber,” “vacuum-brake chamber,” “vacuum boosters.”

BRAKE SPIDER—The center plate, either bolted or welded to the axle, to which the brake assembly is attached.

BULKHEAD—A structure used to protect against damage caused by shifting cargo and/or to separate loads.

BUMPER—A structure designed to provide rear-end protection. Also called DOT underride guard.

CARGO CONTROL TRACK—A vertical or horizontal structural member, normally attached to sidewall posts or flooring, with pierced slots for use with cargo tie-off straps or double-decking components or other restraining devices.

CERTIFICATE HOLDER—A moisture-proof container provided for storage and easy access to trailer related literature; such as licenses, registration, defect and maintenance information. (Also called “Registration Holder” and “Defect Card Holder”.)

CERTIFICATION LABEL (National Highway Traffic Safety Administration)—A label permanently affixed to forward left side of the trailer stating that the vehicle conforms to all applicable Federal Motor Safety Standards in effect on the date of original manufacture.

CLEARANCE LAMPS—Lamps mounted on the floor, rear and sides of a vehicle which indicate its overall length and width.

CONNECTION BOX—Contain fittings for trailer emergency and service brake connections and electrical connector to which the lines from the towing vehicle may be connected. (Also called “junction box”, “light box.”)

CONVERTER DOLLY—A component with a fifth wheel lower half or equivalent mechanism; the attachment which allows other units to be added.

CROSSMEMBER—A structural member attached to the bottom side rails which support the floor. (Also called “bolster,” “sill,” “beam.”)

CUBIC CAPACITY—Useful internal load-carrying space usually expressed in cubic feet, cubic yards, or U.S. gallons. (Also referred to as “available cube.”)

CURBSIDE (Right Side) [ROADSIDE (Left Side)]—Viewing the trailer from the rear, the curbside is right and roadside is left. The terms to be used on repair orders are right and left side.

DOLLY WHEELS (see **Sand Shoe**)—A set of steel wheels which serve as ground contact for support of the trailer.

DOOR HEADER—Horizontal (structural) framing member over a door opening. (Also known as the rear header.)

DOOR HINGE—A device that secures the door to the trailer frame, allowing the door to turn or move.

DOOR HOLD BACK—The device used to hold doors in the open position. Normally made two-piece, male and female, with one part attached to the door, and the other to the side of the trailer. (Also referred to as Tie-backs.)

DOOR SILL—Horizontal frame member at bottom of a door opening.

ELECTRICAL CONNECTOR (7-way Electrical Connector Socket)—A receptacle designed to accept truck tractor electrical cable plugs.

FIFTH WHEEL—A device mounted on a truck tractor or a converter dolly that mates with and pivots within the lower coupler of a truck tractor or converter dolly while coupling the two units together.

GLADHANDS—Fittings for connection of air brake lines between vehicles. Vacuum brake hose connectors are also called “hose couplings.”

GROMMET—A device that serves as a support and protection to that which passes through it.

GROSS AXLE WEIGHT RATING (GAWR)—Gross axle weight rating is the rated capacity at the tire-ground interface, and is to reflect the “weakest link” in the entire suspension system, whether it be the springs, axles, wheels, rims or tires.

GROSS VEHICLE WEIGHT RATING (GVWR)—The GVWR for semi-trailers is the sum of the trailer tare weight and that uniformly distributed payload which will result in a suspension load at the tire-ground interface equal to the sum of the trailer’s gross axle weight ratings (GAWR), with a limitation imposed by practical or structural considerations.

GROSS WEIGHT—The weight of a trailer together with the weight of its entire contents.

IDENTIFICATION LAMPS—Lamps used to identify front, rear and side of trailers, as specified by the Federal Motor Vehicle Standard 108.

INTERIOR LINING (Plywood Liners/Ply-Liners)—Materials used in the interior of trailers to protect side panels, roof bows and posts.

KINGPIN—Attaching pin on a semi-trailer that mates with the pivots within the lower coupler of a truck tractor or converter dolly while coupling the two units together.

LIFT PADS—Protective hardware affixed to lower side rails of a TOFC trailer to distribute stresses during trailer lifting and handling operations.

MANIFEST BOX—A moisture-proof container used for storage of important documents, usually located on the nose of the trailer.

PANEL—A section of material used to cover the exterior of a trailer.

PICK-UP PLATE—A plate structure located forward of the kingpin and terminating at the approximate front of the vehicle, designed for initial contact with the fifth wheel during coupling.

POST—Vertical structural member to which panels and sometimes doors are attached.

REAR CROSSMEMBER (Sill)—The horizontal member at the extreme rear of the trailer normally used to mount rear bumpers, stop, turn and tail lights.

REAR DOORS—Hinged structures provided at the rear of the trailer to allow access to the cargo area when opened.

REFLECTOR—Material permanently fixed on a vehicle to reflect the light from all sources, but primarily from the head lamps of an approaching motor vehicle.

RIM—A metal support for a tire, or a tire and tube assembly, upon which the tire beads are seated.

ROADSIDE (Left Side)—See **CURBSIDE (Right Side)**

ROOF BOW—An interior structural member attached to both top side rails.

RUB RAIL—A rail extending horizontally along the exterior of a trailer sidewall, or along the longitudinal edge of a platform trailer, and intended as crush protection for less rigid components of trailers frequently operated in close quarters.

RUNNING LIGHTS—Marker, clearance, and identification lights, required by regulations.

SAND SHOE (See Dolly Wheels)—A flat steel plate which serves as ground contact for support of the trailer.

SCUFF LINER—A strip installed along the lower inside of a trailer to protect the lining, side panels, or posts from wear or damage.

SIDE RAILS, LOWER—The main longitudinal frame member located at the lower edge of the trailer to connect the side wall and floor structures.

SIDE RAILS, UPPER—The main longitudinal frame member used to connect the roof and the side wall structures.

SLACK ADJUSTER—Adjustable mechanical lever used to transmit brake chamber force to the brake camshaft when brakes are applied. Slack adjusters are designed to compensate for brake lining wear.

SLIDING UNDERCARRIAGE—An undercarriage with a subframe which allows fore-and-aft adjustment of its location on the trailer; used to shift a greater part of the gross load onto the kingpin or the suspension. (Sometimes referred to as a “slider.”)

SUPPORTS—Devices generally adjustable in height, used to support the front end of a semi-trailer in an approximately level position when disconnected from a towing vehicle. (Also referred to as “landing gears,” “props,” “dollies,” “legs.”)

TANDEM AXLE—A two-axle assembly with an equalizing means for transferring weight between axles.

TOFC—Abbreviation for “Trailer-on-Flatcar.” (Also referred to as “piggyback.”)

TOFC PLATE—A plate structure extending approximately twenty-four inches rearward of the upper coupler plate which offers protection during coupling and uncoupling to the flatcar stanchion. (Also referred to as “G-85 plate”, “flatcar extension plate,” or “kick plate.”)

UNDERCARRIAGE—Complete sub-frame, suspension with one or more axles which may be interconnected, and wheels, tires and brakes. (Also referred to as “bogie” or “running gear.”)

UPPER COUPLER ASSEMBLY—Upper coupler plate, reinforcement framing, and fifth wheel kingpin mounted on a semi-trailer. (Also referred to as “upper fifth wheel assembly.”)

UPPER COUPLER PLATE—A plate structure through which the kingpin neck and collar extend. The bottom surface of the plate contacts the fifth wheel when the trailer is coupled. (Also referred to as “Fifth Wheel Plate.”)

C2. Container Component Glossary

COFC—Abbreviation for Container-on-Flatcar.

COLLAPSIBLE FREIGHT CONTAINER---Freight container of rigid construction, the major components of which can easily be folded or disassembled, and then reassembled. (Also referred as “Flat rack”.)

CONTAINER—A unit of transport equipment which is:

(a) of a permanent character and strong enough for repeated use.

(b) specially designed to facilitate the carrier of goods by one or more modes of transport without intermediate reloading.

(c) fitted with devices permitting its ready handling, particularly its transfer from one mode to another.

The term “container” does not include vehicles or conventional packing. (Also referred to as: Freight container, Cargo Container, Intermodal Container.)

CONTAINER CHASSIS—A frame equipped with wheels, landing gear, and king pin assembly, excluding floor, sides and roof, and with locking devices for securing and transporting a container as a wheeled vehicle.

CONTAINER DISPLACEMENT—The outside cubic volume of the container.

CORNER FITTINGS—Fittings located at the eight corners of the container which provide means for handling, stacking, and securing the container. (May also be called “corner castings.”)

CORNER STRUCTURES/POST—Vertical frame components located at the four corners of the container, integral with the corner fittings, and connecting the roof, floor and wall structures of closed containers, or the wall and floor structures of an open top container.

CROSSMEMBERS—Structural members attached to the bottom side rails which support the floor. (Also called “bolster,” “sill,” or “beam.”)

CUBIC CAPACITY—Useful internal load-carrying space, usually expressed in cubic feet, cubic yards, or U.S. gallons. (Also referred to as “available cube.”)

DOOR HEADER—Horizontal (structural) framing member over a door opening. (Also known as the rear header.)

DOOR SILL-Horizontal frame member at bottom of a door opening.

END DOOR—Weathertight movable swinging structure to provide access to the cargo space.

END WALL—Assembly surrounded by the end frame and wall at either end of the container.

FLOOR—The cargo-carrying surface of the container. (Also referred to as deck.)

FORK POCKETS—The structural openings or sleeves in the base of the container which permit entry of fork lift devices.

GROSS WEIGHT—The allowable total weight of the container and cargo, exclusive of the chassis.

INTERFACE SUPPORTS (Knee brace)—Structural reinforcements of a prescribed square area within a designated location on the underside of the container. It is designed to provide intermediate support points when the loaded container is being transported on a chassis.

TARE WEIGHT—Weight of the empty freight container, including its normal complement of lading restraint devices.

TWIST LOCK—A mechanically operated device located on the corners of a container chassis and on automatic lifting spreaders, and used for securing a container during transport or transfer.

C3. Tire Glossary [Refer to Figures C-3 and C-4]

BASE WIDTH—That portion of the tread rubber which joins to the buffed surface of the worn tire.

BEADS—the anchoring part of the tire that is shaped to fit the rim. Made of high tensile steel wires wrapped and reinforced by the plies.

BEAD SEALING AREA—The flat area and heel area of the bead that contacts the rim. With tubeless tires, the bead area seals to the rim flange to retain air.

BELTED BIAS TIRES—Tires constructed so the ply cords extending from bead to bead lie at alternate angles substantially less than 90 degrees to the centerline of the tread. On top of the body plies are two or more belt plies, extending approximately from shoulder to shoulder, running circumferentially around the tire at alternate angles.

BIAS PLY TIRES—Tires constructed so the ply cords extend from bead to bead, and are laid at alternate angles substantially less than 90 degrees to the centerline of the tread.

BODY PLYS—Layers of rubber-coated parallel cords extending from bead to bead.

BREAKS (Cracks)—A surface opening extending into or through the plies.

Flex Breaks—A break into or through one or more plies, usually parallel to the beads.

Impact Breaks—A star or X-shaped or diagonal break into or through plies, usually visible from the inside of the tire.

Radial Crack—A crack in the outer surface of the tire, usually in the sidewall area proceeding perpendicularly to the bead.

Tread Cracks (Channel or groove)—Cracks in the base of the tread grooves or voids.

BUCKLED—Any gross distortion of the tire body or tread area evidenced by wrinkling on the inside of the casting.

BUFFED COUNTOUR—The shape of the buffed tire which usually includes a specified radius and width.

BUFFED RADIUS—A measure of the buffed surface curvature from shoulder to shoulder.

BUFFED TEXTURE—That surface produced by buffing, rasping, or cutting as defined by The Rubber Manufacturers Association Buffed Textures (RMA Shop Bulletin No. 29.)

CASING—The complete tire structure.

CEMENT—An adhesive compound used to provide building tack. May be brushed or sprayed on the buffed surface.

CHECK TEMPLATE—A precut pattern used to determine the contour of a buffed tire to check compatibility to a matrix.

CORDS—The individual strands forming the plies in a tire.

CROSS SECTION (C.S.)—The section width of a tire casing.

CURE—The process of vulcanization of rubber by applying heat, pressure, and time.

CURING TUBES—Special stubs placed within the tire while curing.

DIAPHRAGM—A flexible sheet used to encompass the tire exterior during retreading precured tread retread method.

ENVELOPE—A flexible covering used to encompass part or all of a tire during retreading in some processes.

GAUGE—Thickness, usually expressed in thirty-seconds of an inch, or by the decimal system, or in millimeters in the metric system.

INJURY—A break or cut of any shape caused by a penetrating object or severe scuff or impact.

INJURY SIZE—Widest opening in the cord body after skiving and buffing.

INNER LINER—The tubeless tire inner surface used to retain the inflation media.

KINKED (Beads)—A sharp permanent bend in the bead wires at one or more points around the circumference of the bead.

LOAD RANGE—Used as letters (A, B, C etc.) in tire identification to identify a given size tire, with its load and inflation limits, when used in a specific type of service as defined in Tire and Rim Association Inc. (or equivalent) yearbooks.

MATRIX—Aluminum, rubber, or steel rings or segments which form the cavity in which a tire retread is cured, and with which the tread design is formed.

NAIL HOLE—A penetration caused by a small, sharp object, ¼ inch-maximum diameter.

PLIES—Layers of rubber-coating paralleled cords.

POSTED—Placement on the immediate premises of the retread shop, available to all personnel involved in the retreading operations and to the management of the shop.

PROTECTOR PLY—A ply added primarily for casing protection, which in some cases may be removed during retreading.

REINFORCEMENT (Repair)—Any material, usually rubber and fabric, vulcanized to a tire to add strength to the tire cord body at an injury.

REPAIRING—Reconditioning of portions of tires that have been injured by punctures, cuts, breaks, cracks, etc., that restore strength for additional safe service.

REPAIR MATERIAL—Any rubber compound or patch material used to make repairs.

RETREADING-- (Recapping)

Full Treading—Replacement of the worn tread with rubber extending over the shoulders.

Top Treading—Replacement of the worn tread area only.

Bead-to-Bead Retreading—Replacement of the worn tread area and sidewall rubber extending to the bead.

Precured Tread Retreading—Replacement of the worn tread areas with pre-vulcanized treads containing the tread design already cured in.

SECTIONS—Repairs made to a casing where an injury larger than a nail hole extends through more than 75% of the plies, or through the casing in the tread or sidewall areas.

SEPARATIONS—Lack of adhesion or cohesion between any adjacent materials in a tire.

Tread Separation—Pulling away of the tread from the tire body.

Retread Separation—A separation between the tread rubber and the buffed tire casing.

Ply Separation—A breakdown of the bond between components in the bead area.

Belt Edge Separation—A breakdown of the bond between components near the edge of the belt plies.

SHOULDER—The upper sidewall area of the tire casing immediately adjacent to the tread area.

SIDEWALL—That portion of the tire casing between the bead and shoulder.

SKIVE—Removal of damaged material prior to making a repair.

SPLICE—A junction of the ends of any tire component.

SPOT (Repair)—The replacement of rubber in an injury that penetrates to no more than 25% of the body plies.

STITCHING—A method used to both remove trapped air and improve rubber contact for better adhesion during handling.

SURFACE REPAIR—A repair that is in the rubber portion of the casing only; to, but not through any ply.

SYNTHETIC RUBBER—Man-made rubber.

TEXTURE—(See Buffed Texture).

TREAD—That portion of a tire that comes in contact with the road.

TREAD DESIGN—The non-skid pattern or design on the tread portion of a tire.

TREAD GROOVES—The space between two adjacent tread ribs, lugs, or bars.

UNDERTREAD (Replacement)—The rubber between the base of the tread grooves and the buffed surface.

VULCANIZATION—A chemical reaction which takes place under appropriate time, temperature and pressure, and develops desirable tire characteristics and properties. (See Cure.)

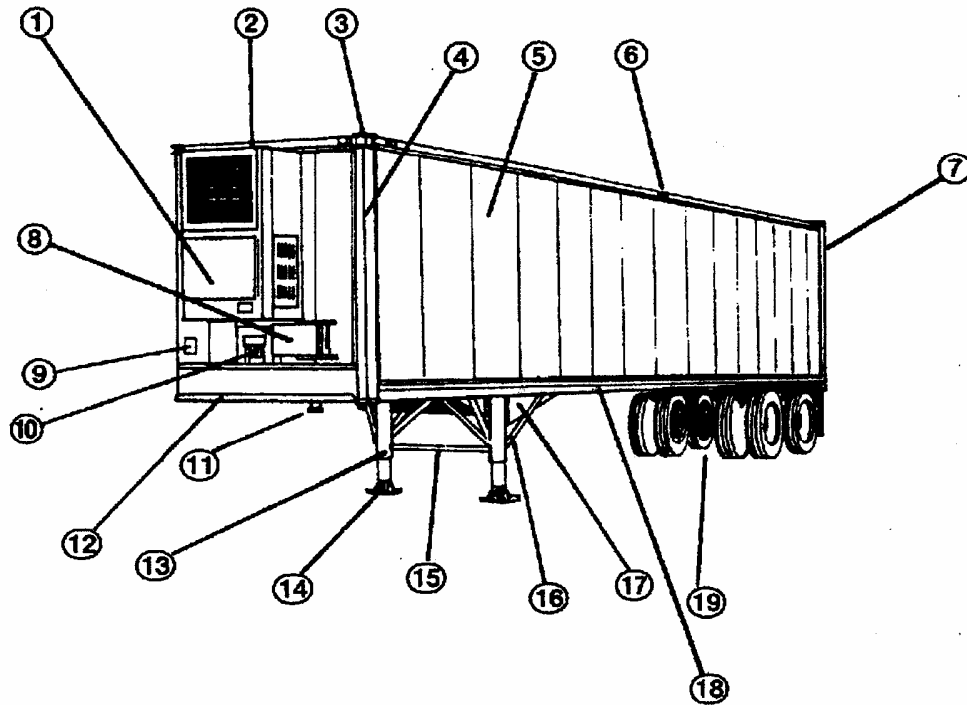
WEATHER CHECKING—A crazing or cracking of the sidewall surface of the tire attributable to an atmospheric condition, rather than to flexing.

WICKING—A capillary act of air escapement from the tire casing, or from under any envelope, by means of fabrics or cords.

ZIPPER RUPTURE – A circumferential rupture on the side wall flex area of a steel cord radial tire.

Figure C-1

TRAILER COMPONENTS -- FRONT/SIDE



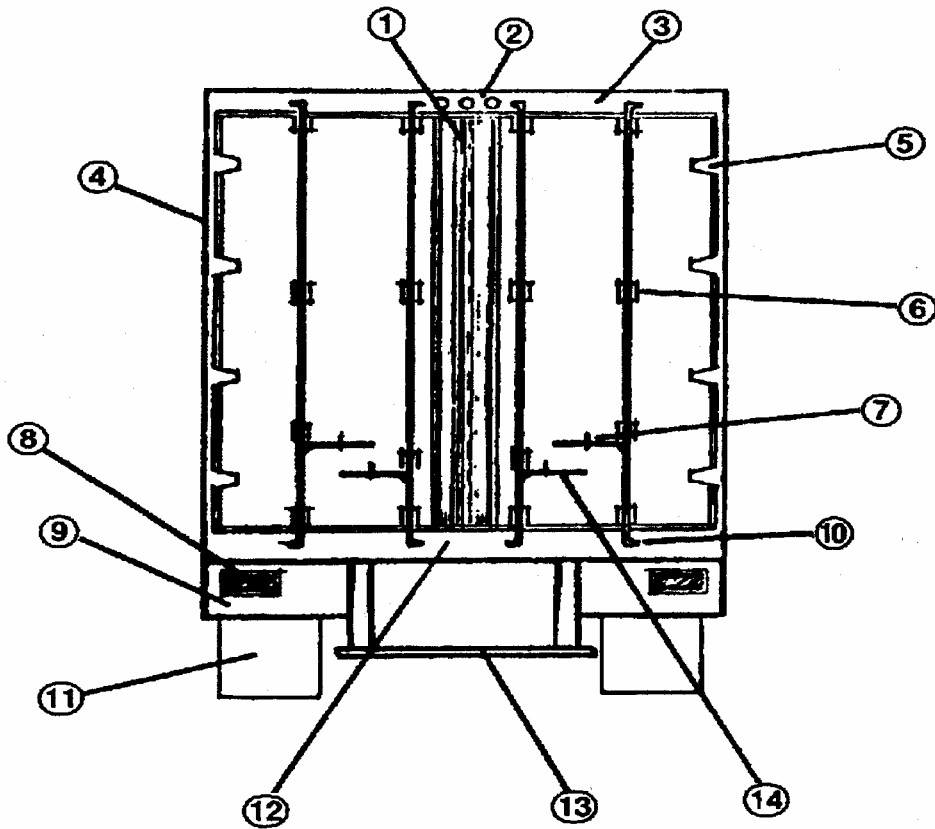
Index No. Description

Index No. Description

1	Refrigeration Unit*	11	Kingpin
2	Nose Top Rail	12	Bottom Pickup Rail
3	Corner Cap (Or Casting)	13	Dolly (Landing) Leg
4	Radius Panel	14	Sand Shoe or Dolly Wheels
5	Side Sheet	15	Cross Brace
6	Clearance Light	16	Leg Brace
7	Corner Post (Rear)	17	Leg Mounting Gusset
8	Battery Box*	18	Side Bottom Rail
9	Registration Holder	19	Tandem Assembly (Bogie)
10	Electrical Junction Box & Air Connectors (Glad Hands)		

*Refrigerated Trailers Only

Figure C-2
TRAILER COMPONENTS -- REAR



<u>Index No.</u>	<u>Description</u>	<u>Index No.</u>	<u>Description</u>
1	Door Moulding	8	Tail Light Assembly
2	Clearance Lights	9	Mud Flap Bracket
3	Door Header	10	Locking Bar Keeper and Cam
4	Corner Post	11	Mud Flap
5	Door Hinge	12	Rear Sill
6	Locking Bar Guide	13	DOT Underride Guard
7	Locking Bar Latch	14	Locking Bar Handle

RETREAD CASING

TUBELESS TYPE

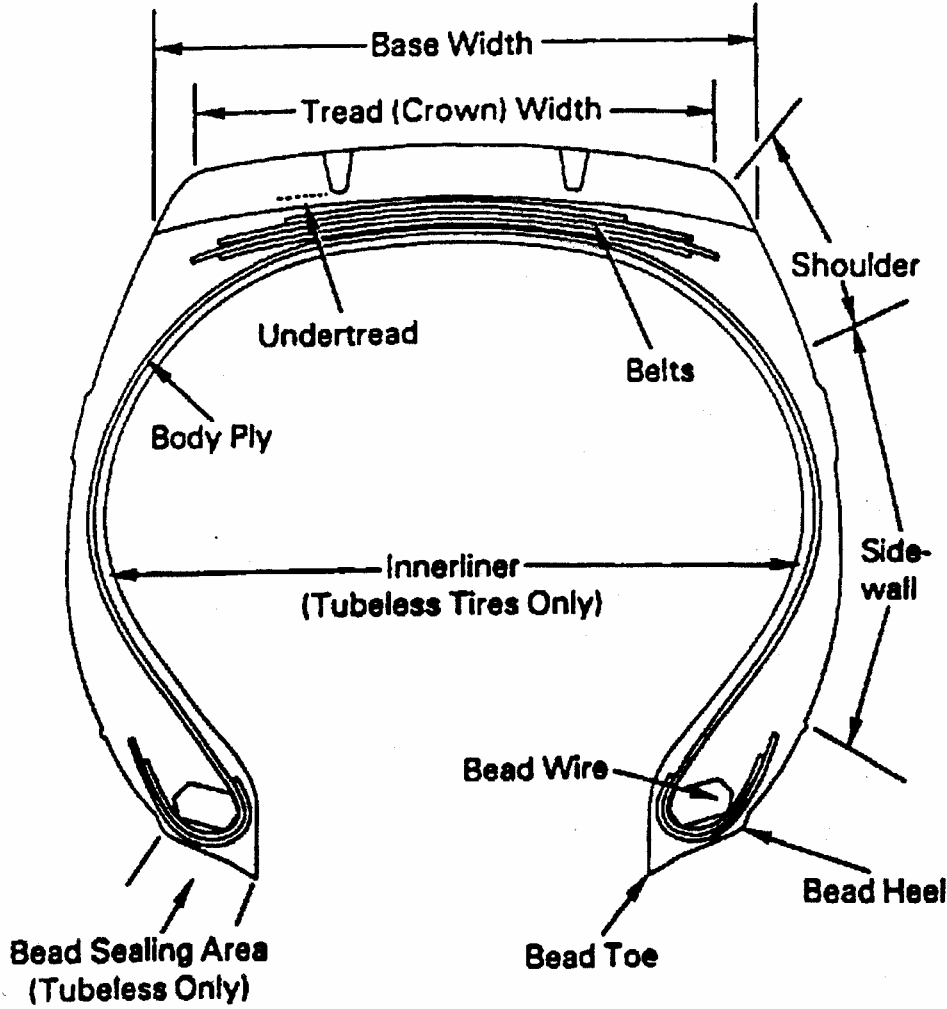


Figure C-3

BUFFED CASING

(BIAS TUBED TYPE)

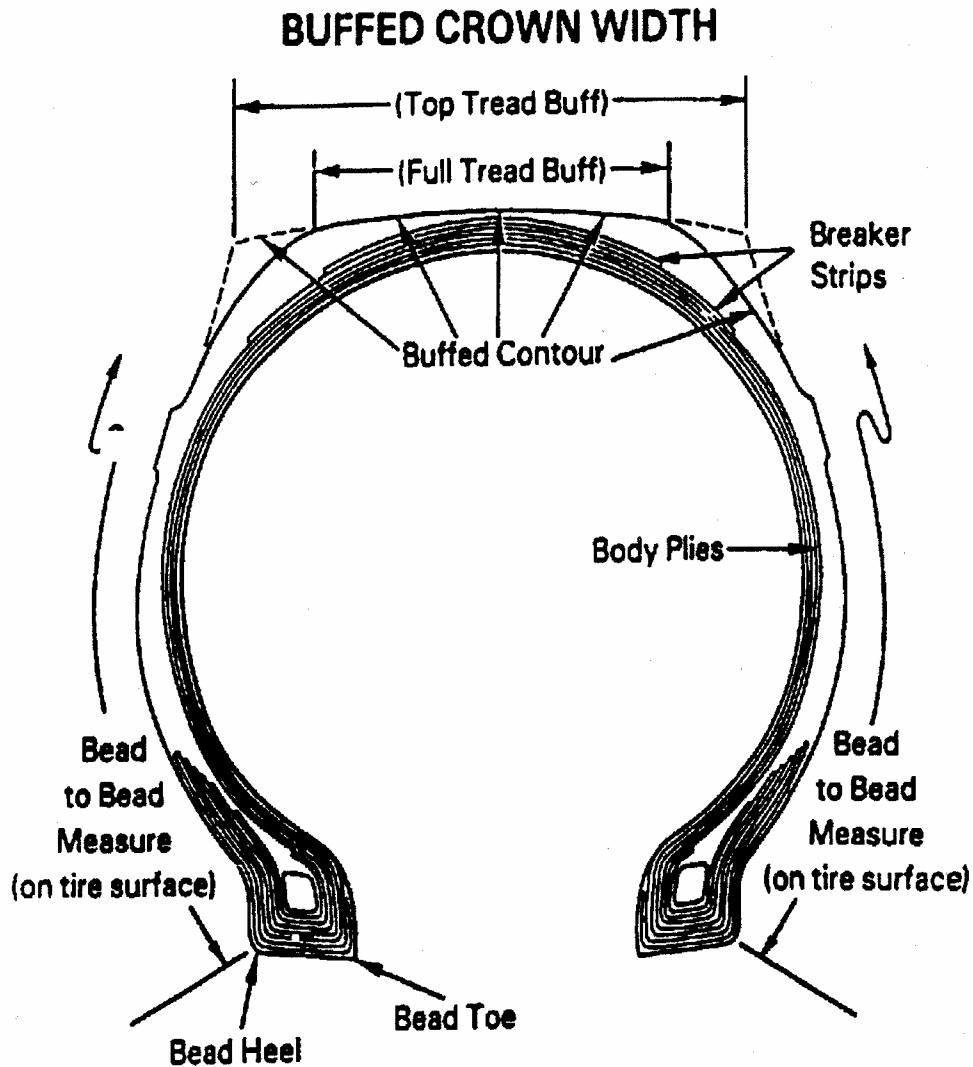


Figure C-4

APPENDIX D – FLAT FILE FORMAT

Introduction

The new “J File” allows for the electronic exchange of damage data. The first field in each record specifies the document type. Based on the first field, the data can be read in the appropriate manner. Thus, multiple damage documents can be contained in the same file. For now, only the format of a J2 document has been specified. Future development could include specifications for other J Forms.

J File Format

In the “J File,” each record is specified between ‘{’ and ‘}’ characters. Fields within a record are delimited by the ‘*’ character. The first field of any record is the document type. For now, only support for the ‘J2’ document type has been specified.

Note: All data in the file should be read as a character stream. No assumptions should be made about carriage returns. That is, it should not be assumed that each document record is a new line, despite the fact that some text editors display it this way.

J2 Format

The first field of a J2 record is ‘J2’. After the ‘J2’ field, there are 21 header fields. After the header fields, multiple line items can follow. It is possible to have no line items. Each line item contains 12 fields. Below is a description of the fields in the order they appear in the file. Fields marked with a ‘*’ can be empty. For the header fields, the “J2 Number” field is the unique identifier. For the line item fields, the “Damage ID” is the unique identifier.

Header Fields

Field	Data Type
J2 Number	Character String, Max 10 Characters
Bureau	Character String, Max 10 Characters
Entry Date	Data/Time Value
Initial	Character String, Max 4 Characters
Number	Long Integer, Max $2^{31}-1$
Equipment Type	Character String, Max 10 Characters
Delivering RR	Character String, Max 4 Characters
Interchange Type	Character String, Max 10 Characters
Receiving RR	Character String, Max 4 Characters
Station	Character String, Max 50 Characters
Delivery Date	Date/Time Value
Load/Empty	Single Character, ‘L’ or ‘E’
Responsible RR	Character String, Max 4 Characters
Railcar Initial*	Character String, Max 4 Characters
Railcar Number*	Long Integer, Max $2^{31}-1$
Chassis Initial *	Character String, Max 4 Characters
Chassis Number*	Long Integer, Max $2^{31}-1$
RR Issued	Bit Value, 0 or 1
RR Inspector*	Character String, Max 50 Characters
IB Inspector*	Character String, Max 50 Characters
Open/Close Status	Single Character, ‘O’ or ‘C’

Line Item Fields

Field	Data Type
Damage ID	Long Integer, Max $2^{31}-1$
Job Code	Short Integer, Max $2^{15}-1$
Location	Character String, Max 3 Characters
Whymade Code	Short Integer, Max $2^{15}-1$
Qualifier	Short Integer, Max $2^{15}-1$
Quantity	Short Integer, Max $2^{15}-1$
Size*	Character String, Max 50 Characters
Offset Quantity*	Short Integer, Max $2^{15}-1$
Offset Date*	Date/Time Value
Offset ID*	Short Integer, Max $2^{15}-1$
Offset RR*	Character String, Max 4 Characters
Open/Close Status	Single Character, 'O' or 'C'

Reading The File

The basic algorithm for reading the file is as follows. Start reading characters until a '{' is encountered. Next, read characters until a '*' is encountered. This will be the document type field. Read the document type field, and decide how to interpret the remaining fields based on the document type. For each document type, read in the appropriate number of header fields. This will be done by searching for a "*" character for each header field. After reading the header fields, read the line items. If the next field after the header contains a '}', there are no line items. If the next field after the header is not a "*", there are line items to read. Read in each line item field. This will be done by searching for a "*" character for each line item field. Keep reading line items until a '}' character is encountered as a field.

APPENDIX E – SUBSCRIBERS TO THE INTERMODAL INTERCHANGE AGREEMENT

E1. Railroad Companies

Amtrak—National Railroad Passenger Corp.
Arkansas, Louisiana, & Mississippi Railroad Co.
Angelina & Neches River Railroad
Bangor & Aroostook Railroad Company
Belfast and Moosehead Lake Railway Co.
Boston & Maine Corporation
Burlington Northern and Sante Fe Railway Co.
Canadian National Railways
Canadian Pacific Railway
Canton Railroad Company
Cedar River Railroad Company
Chicago, Central and Pacific Railroad Co.
Claremont Concord Railroad Corp.
Clarendon & Pittsford Railroad Company
Columbus and Greenville Railway Co.
Consolidated Rail Corporation
CSX Transportation, Inc.
Dakota, Minnesota & Eastern RR
Delaware & Hudson Railway Company, Inc.
Delta Valley & Southern Railway Co.
Duluth & Northeastern Railroad co.
East Erie Commercial Railway
East St. Louis Junction Railroad
Florida East Coast Railway Company
Fordyce & Princeton Railroad Co.
Fox Valley & Western, Ltd.
Gateway Western Railroad
Grafton & Upton Railroad Company
Grand Trunk Western Railroad
Great Western Railroad
H & S Railroad Company
Illinois Central Railroad Co.
Iowa Interstate Railroad
Kankakee, Beaverville & Southern Rwy.
Kansas City Southern Railway Co.
Louisiana & North West Railroad Co.
Maine Central Railroad Company
Massachusetts Central Railroad Corp.
Middletown and New Jersey Railway
Minnesota, Dakota & Western Railway Co.
Missouri & Northern Arkansas Railroad
New York & Atlantic Railway
Norfolk Southern Railway Company
(Includes affiliates per agreement)
Ontario L'Original Railway, Inc.
Paducah and Louisville Railway, Inc.
Portland Terminal Company
Providence and Worcester Railroad Co.
Roscoe Snyder & Pacific Railway Co.
Sand Springs Railway Company
Soo Line Railroad Company
Southern Pacific Transportation Co.
Southern Railway of British Columbia, Ltd.
Texas Mexican Railway Company
Texas South-Eastern Railroad
TFM, S.A. de C.V.
Toledo, Peoria & Western Railway Corp.
Tyburn Railroad Company
Union Pacific Railroad Company
Upper Merion & Plymouth Railroad Co.
Vermont Railway, Inc.
Winston-Salem Southbound Railway Co.
Wisconsin & Southern Railroad Co.
Wisconsin Central Ltd.

E2. Non-Railroad Companies

Advance Transportation Company
Agmark Foods, Inc.
Alliance Transportation, Inc.
American President Lines
Amoco Oil Company
Atlantic Container Line
Bay Cities Leasing Company
Blue Star North America Ltd.
Boeing Company

Boise Cascade Corp.
Burnside International Trucks Ltd.
Celadon Trucking Services, Inc.
Chicago Bandag, Inc.
Combined Transport Group, Inc.
Container Port Group, Inc.
Crete Intermodal Service
Crowley American Transport, Inc.
Crowley Marine Services
CSXI Trucking
D.M.L. Container Service 142071 Canada Inc.
Eagle Systems, Inc.
Evergreen Marine Corporation
General American Marks Company
Greenbrier Capital Corporation
G.T. Intermodal U.S.A. Inc.
G.T. Leasing 2966859 Canada Inc.
Hanjin Shipping Company, Ltd.
Hapag-Lloyd, A.G.
Hill Brothers Transportation
Independent Freightway, Inc.
In-Terminal Services
Intermodal Express, Inc.
Intermodal Services, Inc.
Intermodal Transportation Services, Inc.
Interpool, Inc.
Iowa Interstate Intermodal
J.M.J. Projects, Inc.
"K" Line America, Inc.

Lower Valley Transportation, Inc.
Lykes Bros. Steamship Co., Inc.
Lyon World Wide Shipping, Inc.
Manufacturers Cartage
Mitsui O.S.K. Lines Ltd.
NEMLC Leasing Corp.
Neptune Orient Lines, Ltd.
Nestle Transportation Company
Nippon Yusen Kaisha (NYK Line a/Agents)
Oceanex Inc.
Pacer Stacktrain
Pacific Northwest Perishable Shippers
Pacific Rail Services
Penske Logistics
Price Intermodal Southwest
PTR Services
Puerto Rico Marine Maritime Shipping
 Authority (PRMM, Inc., a/Agents)
Rail Terminal Services
Redon, Inc.
Seaboard Marine Ltd.
Sea-Land Service, Inc.
Stevens Transport
Strategic Equipment Systems Inc.
Tandem Transport, Inc.
TIP Intermodal Services
Totem Ocean Trailer Express, Inc.
Trac Lease, Inc.
Transconex
Triple Crown Services Company
Tropical Shipping Co., Ltd.
Union Pacific Fruit Express
United Arab Shipping Company
Werner Enterprises, Inc.
West Van Inc.
H.O. Wolding Inc.
WTL Rail Corporation
XTRA Intermodal
Zim Container Service

APPENDIX F. MATRIX

1208	Rim-TubeType	2	ReplaceW/Used	8	Missing	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	1	ReplaceW/New	14	Cut,Torn	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	1	ReplaceW/New	15	WornOut	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	2	ReplaceW/Used	14	Cut,Torn	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	2	ReplaceW/Used	15	WornOut	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	2	ReplaceW/Used	1	AssociatedWithRepairs	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1230	Flap	2	ReplaceW/Used	20	CorrectImproperRepair	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1254	ValveStem	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1254	ValveStem	1	ReplaceW/New	3	Broken	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1254	ValveStem	1	ReplaceW/New	6	Leaking	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1254	ValveStem	1	ReplaceW/New	8	Missing	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1258	LugNut	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1258	LugNut	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1258	LugNut	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1258	LugNut	6	MaterialOnly	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1258	LugNut	6	MaterialOnly	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1258	LugNut	6	MaterialOnly	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1258	LugNut	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	6	MaterialOnly	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	6	MaterialOnly	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	6	MaterialOnly	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1260	WheelStudandNut	6	MaterialOnly	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1266	Spacer,Rim	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1266	Spacer,Rim	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1266	Spacer,Rim	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1266	Spacer,Rim	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1270	LockRing,Rim	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1270	LockRing,Rim	1	ReplaceW/New	3	Broken	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1270	LockRing,Rim	2	ReplaceW/Used	1	AssociatedWithRepairs	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1270	LockRing,Rim	2	ReplaceW/Used	3	Broken	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1274	WheelStud	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1274	WheelStud	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1274	WheelStud	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1278	LugClamp	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
1278	LugClamp	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1278	LugClamp	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1278	LugClamp	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1278	LugClamp	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
1290	TireDisposalFee	7	LaborOnly	10	SeparatedCap	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	11	Blister	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	13	RunFlat	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	14	Cut,Torn	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	17	ChannelCrackorWeatherCrack	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	20	CorrectImproperRepair	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	34	SlidFlat	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1290	TireDisposalFee	7	LaborOnly	9	SlickTread	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1300	AirTires	7	LaborOnly	6	Leaking	HandlingLine	C
1509	Tube	1	ReplaceW/New	13	RunFlat	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1509	Tube	1	ReplaceW/New	14	Cut,Torn	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1509	Tube	1	ReplaceW/New	15	WornOut	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1509	Tube	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR
1509	Tube	B	Patch	14	Cut,Torn	Owner	LIF,LIC,LIQ,LIR,LOF,LOC,LOQ,LOR,RIF,RIC,RIQ,RIR,ROF,ROC,ROQ,ROR

APPENDIX F. MATRIX

2001	SlideTandem/Tridem	7	LaborOnly	21	Corrosion	HandlingLine	U
2005	EqualizerwithBushing	1	ReplaceW/New	15	WornOut	Owner	LS,RS
2005	EqualizerwithBushing	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
2005	EqualizerwithBushing	3	ReplaceW/Remfg/Recap	15	WornOut	Owner	LS,RS
2005	EqualizerwithBushing	3	ReplaceW/Remfg/Recap	21	Corrosion	Owner	LS,RS
2005	EqualizerwithBushing	A	Secure	7	Loose	Owner	LS,RS
2006	EqualizerBushing	1	ReplaceW/New	15	WornOut	Owner	LS,RS
2012	SlidingTandem/TridemLockAssembly	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	U
2012	SlidingTandem/TridemLockAssembly	1	ReplaceW/New	15	WornOut	Owner	U
2012	SlidingTandem/TridemLockAssembly	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
2012	SlidingTandem/TridemLockAssembly	1	ReplaceW/New	2	Bent	Owner	U
2012	SlidingTandem/TridemLockAssembly	1	ReplaceW/New	3	Broken	Owner	U
2012	SlidingTandem/TridemLockAssembly	1	ReplaceW/New	8	Missing	Owner	U
2012	SlidingTandem/TridemLockAssembly	8	Straighten	1	AssociatedWithRepairs	Damage	U
2012	SlidingTandem/TridemLockAssembly	8	Straighten	2	Bent	Owner	U
2012	SlidingTandem/TridemLockAssembly	A	Secure	7	Loose	Owner	U
2012	SlidingTandem/TridemLockAssembly	D	Weld	18	WeldBroken	Owner	U
2012	SlidingTandem/TridemLockAssembly	D	Weld	3	Broken	Owner	U
2012	SlidingTandem/TridemLockAssembly	D	Weld	7	Loose	Owner	U
2013	SliderHandle	1	ReplaceW/New	21	Corrosion	Owner	U
2013	SliderHandle	1	ReplaceW/New	2	Bent	Owner	U
2013	SliderHandle	1	ReplaceW/New	3	Broken	Owner	U
2013	SliderHandle	1	ReplaceW/New	8	Missing	Owner	U
2013	SliderHandle	8	Straighten	2	Bent	Owner	U
2013	SliderHandle	A	Secure	7	Loose	Owner	U
2014	SliderHandleReturnSpring	1	ReplaceW/New	15	WornOut	Owner	U
2014	SliderHandleReturnSpring	1	ReplaceW/New	2	Bent	Owner	U
2014	SliderHandleReturnSpring	1	ReplaceW/New	3	Broken	Owner	U
2014	SliderHandleReturnSpring	1	ReplaceW/New	8	Missing	Owner	U
2015	SliderEndPlateStops	1	ReplaceW/New	2	Bent	Owner	U
2015	SliderEndPlateStops	1	ReplaceW/New	3	Broken	Owner	U
2015	SliderEndPlateStops	1	ReplaceW/New	8	Missing	Owner	U
2015	SliderEndPlateStops	8	Straighten	2	Bent	Owner	U
2018	Sub-FrameAssembly	1	ReplaceW/New	2	Bent	Damage	U
2018	Sub-FrameAssembly	1	ReplaceW/New	3	Broken	Damage	U
2018	Sub-FrameAssembly	8	Straighten	2	Bent	Damage	U
2018	Sub-FrameAssembly	D	Weld	18	WeldBroken	Owner	U
2018	Sub-FrameAssembly	D	Weld	3	Broken	Damage	U
2020	SliderRail	1	ReplaceW/New	14	Cut,Torn	Damage	LS,RS
2020	SliderRail	1	ReplaceW/New	18	WeldBroken	Owner	LS,RS
2020	SliderRail	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
2020	SliderRail	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
2020	SliderRail	1	ReplaceW/New	2	Bent	Damage	LS,RS
2020	SliderRail	1	ReplaceW/New	3	Broken	Damage	LS,RS
2020	SliderRail	8	Straighten	2	Bent	Damage	LS,RS
2020	SliderRail	D	Weld	14	Cut,Torn	Damage	LS,RS
2020	SliderRail	D	Weld	18	WeldBroken	Owner	LS,RS
2020	SliderRail	D	Weld	3	Broken	Damage	LS,RS
2021	SliderRailPad	1	ReplaceW/New	15	WornOut	Owner	LS,RS
2021	SliderRailPad	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
2021	SliderRailPad	1	ReplaceW/New	22	Rotted	Owner	LS,RS
2021	SliderRailPad	1	ReplaceW/New	8	Missing	Owner	LS,RS
2021	SliderRailPad	A	Secure	7	Loose	Owner	LS,RS
2022	Tandem/TridemHoldDownClip	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	U
2022	Tandem/TridemHoldDownClip	1	ReplaceW/New	2	Bent	Owner	U
2022	Tandem/TridemHoldDownClip	1	ReplaceW/New	3	Broken	Owner	U
2022	Tandem/TridemHoldDownClip	1	ReplaceW/New	8	Missing	Owner	U
2022	Tandem/TridemHoldDownClip	8	Straighten	1	AssociatedWithRepairs	Damage	U

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2022	Tandem/TridemHoldDownClip	8	Straighten	2	Bent	Owner	U
2022	Tandem/TridemHoldDownClip	A	Secure	7	Loose	Owner	U
2022	Tandem/TridemHoldDownClip	D	Weld	18	WeldBroken	Owner	U
2022	Tandem/TridemHoldDownClip	D	Weld	7	Loose	Owner	U
2107	Wheel,BearingAssembly	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2107	Wheel,BearingAssembly	1	ReplaceW/New	24	BurnedOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2107	Wheel,BearingAssembly	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2107	Wheel,BearingAssembly	1	ReplaceW/New	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2110	HubCapPlug	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2110	HubCapPlug	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	24	BurnedOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2112	Wheel/Hub	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2113	Hubometer	1	ReplaceW/New	15	WornOut	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2113	Hubometer	1	ReplaceW/New	2	Bent	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2113	Hubometer	1	ReplaceW/New	3	Broken	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2113	Hubometer	1	ReplaceW/New	8	Missing	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2113	Hubometer	A	Secure	7	Loose	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2114	HubCapGasket/O ring	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2114	HubCapGasket/O ring	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2114	HubCapGasket/O ring	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2114	HubCapGasket/O ring	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2114	HubCapGasket/O ring	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	A	Secure	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2115	HubCapAssemblyOilBath	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	A	Secure	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2116	HubCapAssemblyGrease	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2124	LubricateWheelBearing	7	LaborOnly	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2124	LubricateWheelBearing	7	LaborOnly	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2125	WheelSeal	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2125	WheelSeal	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2206	Axle	1	ReplaceW/New	15	WornOut	Owner	C,F,Q,R
2206	Axle	1	ReplaceW/New	20	CorrectImproperRepair	Owner	C,F,Q,R
2206	Axle	1	ReplaceW/New	24	BurnedOut	Owner	C,F,Q,R
2206	Axle	1	ReplaceW/New	2	Bent	Damage	C,F,Q,R
2206	Axle	1	ReplaceW/New	3	Broken	Damage	C,F,Q,R
2206	Axle	1	ReplaceW/New	8	Missing	Damage	C,F,Q,R
2206	Axle	2	ReplaceW/Used	15	WornOut	Owner	C,F,Q,R
2206	Axle	2	ReplaceW/Used	20	CorrectImproperRepair	Owner	C,F,Q,R

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2206	Axle	2	ReplaceW/Used	24	BurnedOut	Owner	C,F,Q,R
2206	Axle	2	ReplaceW/Used	2	Bent	Damage	C,F,Q,R
2206	Axle	2	ReplaceW/Used	3	Broken	Damage	C,F,Q,R
2206	Axle	2	ReplaceW/Used	8	Missing	Damage	C,F,Q,R
2206	Axle	3	ReplaceW/Remfg/Recap	15	WornOut	Owner	C,F,Q,R
2206	Axle	3	ReplaceW/Remfg/Recap	20	CorrectImproperRepair	Owner	C,F,Q,R
2206	Axle	3	ReplaceW/Remfg/Recap	24	BurnedOut	Owner	C,F,Q,R
2206	Axle	3	ReplaceW/Remfg/Recap	2	Bent	Damage	C,F,Q,R
2206	Axle	3	ReplaceW/Remfg/Recap	3	Broken	Damage	C,F,Q,R
2206	Axle	3	ReplaceW/Remfg/Recap	8	Missing	Damage	C,F,Q,R
2207	AlignAxles	7	LaborOnly	7	Loose	Owner	C,F,Q,R
2210	AxleNut	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2210	AxleNut	1	ReplaceW/New	24	BurnedOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2210	AxleNut	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2211	AxleLockwasher	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2211	AxleLockwasher	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2310	RadiusRodAssemblyFixed	A	Secure	7	Loose	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2311	RadiusRodAssemblyAdjustable	A	Secure	7	Loose	Owner	LC,LF,LQ,LR,RC,RF,RQ,RR
2312	RadiusRodBoltKit	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2312	RadiusRodBoltKit	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2400	AdjustBrakes	7	LaborOnly	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2402	ThawFrozen(cold)Brakes	1	ReplaceW/New	5	Inoperative	HandlingLine	LF,LC,LQ,LR,RF,RC,RQ,RR
2402	ThawFrozen(cold)Brakes	7	LaborOnly	5	Inoperative	HandlingLine	LF,LC,LQ,LR,RF,RC,RQ,RR
2403	Lubricate/Free-upBrakes	1	ReplaceW/New	21	Corrosion	HandlingLine	LF,LC,LQ,LR,RF,RC,RQ,RR
2403	Lubricate/Free-upBrakes	7	LaborOnly	21	Corrosion	HandlingLine	LF,LC,LQ,LR,RF,RC,RQ,RR
2404	RepairAirLeak	1	ReplaceW/New	6	Leaking	Owner	F,R,LS,RS
2404	RepairAirLeak	7	LaborOnly	6	Leaking	Owner	F,R,LS,RS
2404	RepairAirLeak	9	Seal	6	Leaking	Owner	F,R,LS,RS
2408	AirReservoir	1	ReplaceW/New	2	Bent	Owner	U
2408	AirReservoir	1	ReplaceW/New	6	Leaking	Owner	U
2408	AirReservoir	1	ReplaceW/New	8	Missing	Owner	U
2408	AirReservoir	A	Secure	7	Loose	Owner	U
2408	AirReservoir	D	Weld	18	WeldBroken	Owner	U
2423	BrakeSpider	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2423	BrakeSpider	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2423	BrakeSpider	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2424	BrakeCamBushingandSeal	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2435	BrakeChamber	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2435	BrakeChamber	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2435	BrakeChamber	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2435	BrakeChamber	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2435	BrakeChamber	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR

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2435	BrakeChamber	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2435	BrakeChamber	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2437	BrakeChamberClamp	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2437	BrakeChamberClamp	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2437	BrakeChamberClamp	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2437	BrakeChamberClamp	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2438	SlackAdjuster	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2439	AutomaticSlackAdjuster	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2440	BrakeChamberDiaphragm	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2441	AirHoseClamp	1	ReplaceW/New	15	WornOut	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2441	AirHoseClamp	1	ReplaceW/New	8	Missing	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2441	AirHoseClamp	A	Secure	7	Loose	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2442	BrakeChamberMountingBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	8	Straighten	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2442	BrakeChamberMountingBracket	D	Weld	18	WeldBroken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2443	AirHoseSpring	1	ReplaceW/New	15	WornOut	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2443	AirHoseSpring	1	ReplaceW/New	3	Broken	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2443	AirHoseSpring	1	ReplaceW/New	8	Missing	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2443	AirHoseSpring	7	LaborOnly	7	Loose	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2443	AirHoseSpring	A	Secure	7	Loose	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2444	AirHoseBracket	1	ReplaceW/New	2	Bent	Owner	U
2444	AirHoseBracket	1	ReplaceW/New	3	Broken	Owner	U
2444	AirHoseBracket	8	Straighten	2	Bent	Owner	U
2444	AirHoseBracket	A	Secure	7	Loose	Owner	U
2444	AirHoseBracket	D	Weld	3	Broken	Owner	U
2445	SCamHanger	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	8	Straighten	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2445	SCamHanger	D	Weld	18	WeldBroken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2446	SCam	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2446	SCam	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2446	SCam	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2446	SCam	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2446	SCam	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2451	BrakeDrumw/BrakeReplacement	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR

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2451	BrakeDrumw/BrakeReplacement	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2451	BrakeDrumw/BrakeReplacement	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2451	BrakeDrumw/BrakeReplacement	3	ReplaceW/Remfg/Recap	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2451	BrakeDrumw/BrakeReplacement	3	ReplaceW/Remfg/Recap	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2451	BrakeDrumw/BrakeReplacement	3	ReplaceW/Remfg/Recap	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	3	ReplaceW/Remfg/Recap	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	3	ReplaceW/Remfg/Recap	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	3	ReplaceW/Remfg/Recap	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2452	BrakeDrum	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2454	GladhandGrommet/Seal	1	ReplaceW/New	15	WornOut	Owner	F,R
2454	GladhandGrommet/Seal	1	ReplaceW/New	3	Broken	Owner	F,R
2454	GladhandGrommet/Seal	1	ReplaceW/New	8	Missing	Owner	F,R
2455	AuxillaryGladhand	1	ReplaceW/New	3	Broken	Owner	F,R
2455	AuxillaryGladhand	1	ReplaceW/New	8	Missing	Owner	F,R
2455	AuxillaryGladhand	A	Secure	6	Leaking	Owner	F,R
2455	AuxillaryGladhand	A	Secure	7	Loose	Owner	F,R
2456	EmergencyGladhand(Red)	1	ReplaceW/New	2	Bent	Owner	F,R
2456	EmergencyGladhand(Red)	1	ReplaceW/New	3	Broken	Owner	F,R
2456	EmergencyGladhand(Red)	1	ReplaceW/New	8	Missing	Owner	F,R
2456	EmergencyGladhand(Red)	A	Secure	7	Loose	Owner	F,R
2457	ServiceGladhand(Blue)	1	ReplaceW/New	2	Bent	Owner	F,R
2457	ServiceGladhand(Blue)	1	ReplaceW/New	3	Broken	Owner	F,R
2457	ServiceGladhand(Blue)	1	ReplaceW/New	8	Missing	Owner	F,R
2457	ServiceGladhand(Blue)	A	Secure	7	Loose	Owner	F,R
2459	GladhandFittings/Hose	1	ReplaceW/New	2	Bent	Owner	F,R
2459	GladhandFittings/Hose	1	ReplaceW/New	3	Broken	Owner	F,R
2459	GladhandFittings/Hose	1	ReplaceW/New	6	Leaking	Owner	F,R
2459	GladhandFittings/Hose	1	ReplaceW/New	8	Missing	Owner	F,R
2459	GladhandFittings/Hose	A	Secure	7	Loose	Owner	F,R
2465	AnchorPinBushing	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2466	SCamSnapRing	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2466	SCamSnapRing	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2466	SCamSnapRing	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2467	BrakeClevis	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2467	BrakeClevis	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2467	BrakeClevis	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2467	BrakeClevis	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2468	AnchorPin	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2468	AnchorPin	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2468	AnchorPin	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2469	ClevisPin	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2469	ClevisPin	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2469	ClevisPin	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2469	ClevisPin	7	LaborOnly	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2471	BrakeHardwareKit	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2473	DrainCock/SpitterValve	1	ReplaceW/New	15	WornOut	Owner	U
2473	DrainCock/SpitterValve	1	ReplaceW/New	2	Bent	Owner	U
2473	DrainCock/SpitterValve	1	ReplaceW/New	3	Broken	Owner	U
2473	DrainCock/SpitterValve	1	ReplaceW/New	6	Leaking	Owner	U
2473	DrainCock/SpitterValve	1	ReplaceW/New	8	Missing	Owner	U
2473	DrainCock/SpitterValve	A	Secure	7	Loose	Owner	U
2474	BrakeShoeRoller	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2474	BrakeShoeRoller	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2474	BrakeShoeRoller	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2475	BrakeShoeReturnSpring	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR

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2475	BrakeShoeReturnSpring	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2475	BrakeShoeReturnSpring	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2475	BrakeShoeReturnSpring	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2476	BrakeShoeRollerClip	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2476	BrakeShoeRollerClip	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2476	BrakeShoeRollerClip	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2479	AirHose	1	ReplaceW/New	14	Cut,Torn	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	1	ReplaceW/New	15	WornOut	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	1	ReplaceW/New	8	Missing	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	A	Secure	7	Loose	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	C	Section	14	Cut,Torn	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	C	Section	20	CorrectImproperRepair	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	C	Section	21	Corrosion	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	C	Section	22	Rotted	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	C	Section	6	Leaking	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2479	AirHose	C	Section	8	Missing	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2480	BrakeShoe	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2480	BrakeShoe	1	ReplaceW/New	23	FlexCracks	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2480	BrakeShoe	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2480	BrakeShoe	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2483	AirLine/HoseFittings	1	ReplaceW/New	15	WornOut	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2483	AirLine/HoseFittings	1	ReplaceW/New	21	Corrosion	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2483	AirLine/HoseFittings	1	ReplaceW/New	2	Bent	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2483	AirLine/HoseFittings	1	ReplaceW/New	3	Broken	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2483	AirLine/HoseFittings	1	ReplaceW/New	6	Leaking	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2483	AirLine/HoseFittings	1	ReplaceW/New	8	Missing	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2483	AirLine/HoseFittings	A	Secure	7	Loose	Owner	F,U,LSF,LSC,LSR,RSF,RSC,RSR
2490	ServiceCombinationRelayValve	1	ReplaceW/New	15	WornOut	Owner	U
2490	ServiceCombinationRelayValve	1	ReplaceW/New	2	Bent	Owner	U
2490	ServiceCombinationRelayValve	1	ReplaceW/New	3	Broken	Owner	U
2490	ServiceCombinationRelayValve	1	ReplaceW/New	6	Leaking	Owner	U
2490	ServiceCombinationRelayValve	1	ReplaceW/New	8	Missing	Owner	U
2490	ServiceCombinationRelayValve	3	ReplaceW/Remfg/Recap	15	WornOut	Owner	U
2490	ServiceCombinationRelayValve	3	ReplaceW/Remfg/Recap	2	Bent	Owner	U
2490	ServiceCombinationRelayValve	3	ReplaceW/Remfg/Recap	3	Broken	Owner	U
2490	ServiceCombinationRelayValve	3	ReplaceW/Remfg/Recap	6	Leaking	Owner	U
2490	ServiceCombinationRelayValve	3	ReplaceW/Remfg/Recap	8	Missing	Owner	U
2490	ServiceCombinationRelayValve	A	Secure	7	Loose	Owner	U
2498	EmergencyRelayValve	1	ReplaceW/New	15	WornOut	Owner	U
2498	EmergencyRelayValve	1	ReplaceW/New	2	Bent	Owner	U
2498	EmergencyRelayValve	1	ReplaceW/New	3	Broken	Owner	U
2498	EmergencyRelayValve	1	ReplaceW/New	6	Leaking	Owner	U
2498	EmergencyRelayValve	1	ReplaceW/New	8	Missing	Owner	U
2498	EmergencyRelayValve	A	Secure	7	Loose	Owner	U
2500	ABSExtensionCable	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
2500	ABSExtensionCable	1	ReplaceW/New	19	InternalFailure	Owner	LF,LR,RF,RR
2500	ABSExtensionCable	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2500	ABSExtensionCable	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2500	ABSExtensionCable	A	Secure	7	Loose	Owner	LF,LR,RF,RR
2501	ABSSensorKit	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
2501	ABSSensorKit	1	ReplaceW/New	19	InternalFailure	Owner	LF,LR,RF,RR
2501	ABSSensorKit	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2501	ABSSensorKit	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2501	ABSSensorKit	A	Secure	7	Loose	Owner	LF,LR,RF,RR
2502	ABSECUCable	1	ReplaceW/New	15	WornOut	Owner	U
2502	ABSECUCable	1	ReplaceW/New	19	InternalFailure	Owner	U
2502	ABSECUCable	1	ReplaceW/New	3	Broken	Owner	U
2502	ABSECUCable	1	ReplaceW/New	8	Missing	Owner	U

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2502	ABSECUCable	A	Secure	7	Loose	Owner	U
2502	ABSECUCable	C	Section	14	Cut,Torn	Owner	U
2503	ABSECU/ModulatorValveAssy	1	ReplaceW/New	15	WornOut	Owner	U
2503	ABSECU/ModulatorValveAssy	1	ReplaceW/New	19	InternalFailure	Owner	U
2503	ABSECU/ModulatorValveAssy	1	ReplaceW/New	3	Broken	Owner	U
2503	ABSECU/ModulatorValveAssy	1	ReplaceW/New	8	Missing	Owner	U
2503	ABSECU/ModulatorValveAssy	7	LaborOnly	19	InternalFailure	Owner	U
2503	ABSECU/ModulatorValveAssy	A	Secure	7	Loose	Owner	U
2504	ABSValve	1	ReplaceW/New	15	WornOut	Owner	U
2504	ABSValve	1	ReplaceW/New	19	InternalFailure	Owner	U
2504	ABSValve	1	ReplaceW/New	3	Broken	Owner	U
2504	ABSValve	1	ReplaceW/New	8	Missing	Owner	U
2504	ABSValve	A	Secure	7	Loose	Owner	U
2505	ABSMountingBracket	1	ReplaceW/New	2	Bent	Owner	U
2505	ABSMountingBracket	1	ReplaceW/New	3	Broken	Owner	U
2505	ABSMountingBracket	1	ReplaceW/New	8	Missing	Owner	U
2505	ABSMountingBracket	8	Straighten	2	Bent	Owner	U
2505	ABSMountingBracket	A	Secure	7	Loose	Owner	U
2505	ABSMountingBracket	D	Weld	3	Broken	Owner	U
2506	ABSLightIndicator	1	ReplaceW/New	24	BurnedOut	Owner	F,R
2506	ABSLightIndicator	1	ReplaceW/New	3	Broken	Owner	F,R
2506	ABSLightIndicator	1	ReplaceW/New	8	Missing	Owner	F,R
2507	ABSECU	1	ReplaceW/New	19	InternalFailure	Owner	U
2507	ABSECU	1	ReplaceW/New	3	Broken	Owner	U
2507	ABSECU	1	ReplaceW/New	8	Missing	Owner	U
2507	ABSECU	A	Secure	7	Loose	Owner	U
2509	ABSIn-LineFilter	1	ReplaceW/New	15	WornOut	Owner	U
2509	ABSIn-LineFilter	1	ReplaceW/New	3	Broken	Owner	U
2509	ABSIn-LineFilter	1	ReplaceW/New	8	Missing	Owner	U
2509	ABSIn-LineFilter	A	Secure	7	Loose	Owner	U
2601	TireInflationSystemLongHose	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2601	TireInflationSystemLongHose	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2601	TireInflationSystemLongHose	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2601	TireInflationSystemLongHose	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2601	TireInflationSystemLongHose	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2602	TireInflationSystemShortHose	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2602	TireInflationSystemShortHose	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2602	TireInflationSystemShortHose	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2602	TireInflationSystemShortHose	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2602	TireInflationSystemShortHose	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2603	TireInflationsystemControlBox	1	ReplaceW/New	19	InternalFailure	Owner	U
2603	TireInflationsystemControlBox	1	ReplaceW/New	3	Broken	Owner	U
2603	TireInflationsystemControlBox	1	ReplaceW/New	8	Missing	Owner	U
2603	TireInflationsystemControlBox	A	Secure	7	Loose	Owner	U
2604	TireinflationSystemValve("T")	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2604	TireinflationSystemValve("T")	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2604	TireinflationSystemValve("T")	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2604	TireinflationSystemValve("T")	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2604	TireinflationSystemValve("T")	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2605	TireInflationSystemHubCap	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2605	TireInflationSystemHubCap	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2605	TireInflationSystemHubCap	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2605	TireInflationSystemHubCap	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2605	TireInflationSystemHubCap	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2606	TireInflationSystemStater/Filter	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2606	TireInflationSystemStater/Filter	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2606	TireInflationSystemStater/Filter	1	ReplaceW/New	6	Leaking	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2606	TireInflationSystemStater/Filter	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR

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2606	TireInflationSystemStater/Filter	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2607	TireInflationSystemTransmitLine	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2607	TireInflationSystemTransmitLine	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2607	TireInflationSystemTransmitLine	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2608	TireInflSysControlBoxBracket	1	ReplaceW/New	3	Broken	Owner	U
2608	TireInflSysControlBoxBracket	1	ReplaceW/New	8	Missing	Owner	U
2608	TireInflSysControlBoxBracket	A	Secure	7	Loose	Owner	U
2609	TireInflSysProtectorValve	1	ReplaceW/New	15	WornOut	Owner	U
2609	TireInflSysProtectorValve	1	ReplaceW/New	21	Corrosion	Owner	U
2609	TireInflSysProtectorValve	1	ReplaceW/New	2	Bent	Owner	U
2609	TireInflSysProtectorValve	1	ReplaceW/New	3	Broken	Owner	U
2609	TireInflSysProtectorValve	1	ReplaceW/New	6	Leaking	Owner	U
2609	TireInflSysProtectorValve	1	ReplaceW/New	8	Missing	Owner	U
2609	TireInflSysProtectorValve	A	Secure	7	Loose	Owner	U
2610	TireInflSystemIn-LineFilter	1	ReplaceW/New	15	WornOut	Owner	U
2610	TireInflSystemIn-LineFilter	1	ReplaceW/New	21	Corrosion	Owner	U
2610	TireInflSystemIn-LineFilter	1	ReplaceW/New	6	Leaking	Owner	U
2610	TireInflSystemIn-LineFilter	1	ReplaceW/New	8	Missing	Owner	U
2610	TireInflSystemIn-LineFilter	A	Secure	7	Loose	Owner	U
2611	TireInflSysReliefValveFlapper	1	ReplaceW/New	15	WornOut	Owner	U
2611	TireInflSysReliefValveFlapper	1	ReplaceW/New	21	Corrosion	Owner	U
2611	TireInflSysReliefValveFlapper	1	ReplaceW/New	6	Leaking	Owner	U
2611	TireInflSysReliefValveFlapper	1	ReplaceW/New	8	Missing	Owner	U
2611	TireInflSysReliefValveFlapper	A	Secure	7	Loose	Owner	U
2612	TireInflSysDeflectorShield	1	ReplaceW/New	2	Bent	Owner	U
2612	TireInflSysDeflectorShield	1	ReplaceW/New	8	Missing	Owner	U
2612	TireInflSysDeflectorShield	A	Secure	7	Loose	Owner	U
2613	TireInflSystemIndicatorLight	1	ReplaceW/New	24	BurnedOut	Owner	U
2613	TireInflSystemIndicatorLight	1	ReplaceW/New	8	Missing	Owner	U
2613	TireInflSystemIndicatorLight	A	Secure	7	Loose	Owner	U
2703	SpringHanger	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	8	Straighten	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2703	SpringHanger	D	Weld	18	WeldBroken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2704	SpringHangerRetainerBoltandNut	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2704	SpringHangerRetainerBoltandNut	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2704	SpringHangerRetainerBoltandNut	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2704	SpringHangerRetainerBoltandNut	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2704	SpringHangerRetainerBoltandNut	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2704	SpringHangerRetainerBoltandNut	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2705	SpringUBolt&Nuts	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2705	SpringUBolt&Nuts	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2705	SpringUBolt&Nuts	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2705	SpringUBolt&Nuts	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2705	SpringUBolt&Nuts	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2705	SpringUBolt&Nuts	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2706	SpringHangerStabilizer	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LC,LF,LQ,LR,RC,RF,RQ,RR
2706	SpringHangerStabilizer	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2706	SpringHangerStabilizer	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2706	SpringHangerStabilizer	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2706	SpringHangerStabilizer	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2706	SpringHangerStabilizer	8	Straighten	1	AssociatedWithRepairs	Damage	LC,LF,LQ,LR,RC,RF,RQ,RR
2706	SpringHangerStabilizer	8	Straighten	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR

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2706	SpringHangerStabilizer	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2706	SpringHangerStabilizer	D	Weld	18	WeldBroken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2707	SpringTopPlate	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2707	SpringTopPlate	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2707	SpringTopPlate	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2707	SpringTopPlate	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2708	SpringSeat	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2708	SpringSeat	1	ReplaceW/New	2	Bent	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2708	SpringSeat	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2708	SpringSeat	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2708	SpringSeat	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2709	SpringBottomPlate	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2709	SpringBottomPlate	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2709	SpringBottomPlate	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2709	SpringBottomPlate	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	1	ReplaceW/New	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	1	ReplaceW/New	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	3	ReplaceW/Remfg/Recap	15	WornOut	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	3	ReplaceW/Remfg/Recap	20	CorrectImproperRepair	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	3	ReplaceW/Remfg/Recap	21	Corrosion	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	3	ReplaceW/Remfg/Recap	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	3	ReplaceW/Remfg/Recap	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2710	SuspensionSpring	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2711	SpringCenterBolt	1	ReplaceW/New	3	Broken	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2711	SpringCenterBolt	1	ReplaceW/New	8	Missing	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2711	SpringCenterBolt	A	Secure	7	Loose	Owner	LF,LC,LQ,LR,RF,RC,RQ,RR
2800	AirSprings	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LR,RF,RR
2800	AirSprings	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
2800	AirSprings	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2800	AirSprings	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2801	Axle/BeamWeldment	1	ReplaceW/New	3	Broken	Owner	F,R
2801	Axle/BeamWeldment	1	ReplaceW/New	8	Missing	Owner	F,R
2801	Axle/BeamWeldment	D	Weld	18	WeldBroken	Owner	F,R
2802	FrameBracketChannel	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2802	FrameBracketChannel	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2802	FrameBracketChannel	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
2803	FrameBracketBrace	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2803	FrameBracketBrace	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2803	FrameBracketBrace	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
2804	AirSpringPlate	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2804	AirSpringPlate	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2805	AirSpringSpacer	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2805	AirSpringSpacer	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2807	AlignmentCollars	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LR,RF,RR
2807	AlignmentCollars	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
2807	AlignmentCollars	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2807	AlignmentCollars	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2808	Bushing/TubeSpacers	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LR,RF,RR
2808	Bushing/TubeSpacers	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
2808	Bushing/TubeSpacers	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2808	Bushing/TubeSpacers	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2809	ShockAbsorber	1	ReplaceW/New	15	WornOut	Owner	F,R,LF,LR,RF,RR
2809	ShockAbsorber	1	ReplaceW/New	3	Broken	Owner	F,R,LF,LR,RF,RR
2809	ShockAbsorber	1	ReplaceW/New	8	Missing	Owner	F,R,LF,LR,RF,RR
2810	ShockTower/Bracket	1	ReplaceW/New	15	WornOut	Owner	F,R,LF,LR,RF,RR

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2810	ShockTower/Bracket	1	ReplaceW/New	3	Broken	Owner	F,R,LF,LR,RF,RR
2810	ShockTower/Bracket	1	ReplaceW/New	8	Missing	Owner	F,R,LF,LR,RF,RR
2810	ShockTower/Bracket	D	Weld	18	WeldBroken	Owner	F,R,LF,LR,RF,RR
2811	ReboundLimiter	1	ReplaceW/New	15	WornOut	Owner	F,R,LF,LR,RF,RR
2811	ReboundLimiter	1	ReplaceW/New	3	Broken	Owner	F,R,LF,LR,RF,RR
2811	ReboundLimiter	1	ReplaceW/New	8	Missing	Owner	F,R,LF,LR,RF,RR
2812	UpperControlArmAssembly	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
2812	UpperControlArmAssembly	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2812	UpperControlArmAssembly	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2812	UpperControlArmAssembly	A	Secure	7	Loose	Owner	LF,LR,RF,RR
2813	AdjustableLowerControlArmAssembly	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
2813	AdjustableLowerControlArmAssembly	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2813	AdjustableLowerControlArmAssembly	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2813	AdjustableLowerControlArmAssembly	A	Secure	7	Loose	Owner	LF,LR,RF,RR
2814	NonAdjustableLowerControlArmAssembly	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
2814	NonAdjustableLowerControlArmAssembly	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2814	NonAdjustableLowerControlArmAssembly	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2814	NonAdjustableLowerControlArmAssembly	A	Secure	7	Loose	Owner	LF,LR,RF,RR
2815	HeightControlValve	1	ReplaceW/New	15	WornOut	Owner	U
2815	HeightControlValve	1	ReplaceW/New	3	Broken	Owner	U
2815	HeightControlValve	1	ReplaceW/New	6	Leaking	Owner	U
2815	HeightControlValve	1	ReplaceW/New	8	Missing	Owner	U
2815	HeightControlValve	A	Secure	7	Loose	Owner	U
2816	TrailingArmAssembly	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
2816	TrailingArmAssembly	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
2816	TrailingArmAssembly	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
2816	TrailingArmAssembly	A	Secure	7	Loose	Owner	LF,LR,RF,RR
3100	RetimeLegs	7	LaborOnly	19	InternalFailure	Owner	U
3100	RetimeLegs	7	LaborOnly	7	Loose	Owner	U
3107	DollyWheel	1	ReplaceW/New	2	Bent	Owner	LS,RS
3107	DollyWheel	1	ReplaceW/New	3	Broken	Owner	LS,RS
3107	DollyWheel	1	ReplaceW/New	8	Missing	Owner	LS,RS
3108	AxleHousing	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3108	AxleHousing	1	ReplaceW/New	2	Bent	Owner	LS,RS
3108	AxleHousing	1	ReplaceW/New	3	Broken	Owner	LS,RS
3108	AxleHousing	1	ReplaceW/New	8	Missing	Owner	LS,RS
3108	AxleHousing	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3108	AxleHousing	8	Straighten	2	Bent	Owner	LS,RS
3108	AxleHousing	D	Weld	18	WeldBroken	Owner	LS,RS
3108	AxleHousing	D	Weld	1	AssociatedWithRepairs	Damage	LS,RS
3109	DollyWheelAxle	1	ReplaceW/New	2	Bent	Owner	LS,RS
3109	DollyWheelAxle	1	ReplaceW/New	3	Broken	Owner	LS,RS
3109	DollyWheelAxle	1	ReplaceW/New	8	Missing	Owner	LS,RS
3110	AxleCollar	1	ReplaceW/New	2	Bent	Owner	LS,RS
3110	AxleCollar	1	ReplaceW/New	3	Broken	Owner	LS,RS
3110	AxleCollar	1	ReplaceW/New	8	Missing	Owner	LS,RS
3110	AxleCollar	A	Secure	7	Loose	Owner	LS,RS
3111	Sandshoe	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3111	Sandshoe	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3111	Sandshoe	1	ReplaceW/New	2	Bent	Owner	LS,RS
3111	Sandshoe	1	ReplaceW/New	3	Broken	Owner	LS,RS
3111	Sandshoe	1	ReplaceW/New	8	Missing	Owner	LS,RS
3111	Sandshoe	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3111	Sandshoe	8	Straighten	2	Bent	Owner	LS,RS
3111	Sandshoe	A	Secure	7	Loose	Owner	LS,RS
3111	Sandshoe	D	Weld	18	WeldBroken	Owner	LS,RS
3111	Sandshoe	D	Weld	1	AssociatedWithRepairs	Damage	LS,RS
3111	Sandshoe	D	Weld	7	Loose	Owner	LS,RS

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3112	SandshoeandAxle	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3112	SandshoeandAxle	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3112	SandshoeandAxle	1	ReplaceW/New	2	Bent	Owner	LS,RS
3112	SandshoeandAxle	1	ReplaceW/New	3	Broken	Owner	LS,RS
3112	SandshoeandAxle	1	ReplaceW/New	8	Missing	Owner	LS,RS
3112	SandshoeandAxle	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3112	SandshoeandAxle	8	Straighten	2	Bent	Owner	LS,RS
3112	SandshoeandAxle	A	Secure	7	Loose	Owner	LS,RS
3112	SandshoeandAxle	D	Weld	18	WeldBroken	Owner	LS,RS
3112	SandshoeandAxle	D	Weld	1	AssociatedWithRepairs	Damage	LS,RS
3112	SandshoeandAxle	D	Weld	7	Loose	Owner	LS,RS
3113	SandshoeAxle	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3113	SandshoeAxle	1	ReplaceW/New	2	Bent	Owner	LS,RS
3113	SandshoeAxle	1	ReplaceW/New	3	Broken	Owner	LS,RS
3113	SandshoeAxle	1	ReplaceW/New	8	Missing	Owner	LS,RS
3113	SandshoeAxle	D	Weld	18	WeldBroken	Owner	LS,RS
3113	SandshoeAxle	D	Weld	1	AssociatedWithRepairs	Damage	LS,RS
3113	SandshoeAxle	D	Weld	7	Loose	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3119	LandingLegBraceBracket(Ear)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	1	ReplaceW/New	2	Bent	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	1	ReplaceW/New	3	Broken	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	1	ReplaceW/New	8	Missing	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3119	LandingLegBraceBracket(Ear)	8	Straighten	2	Bent	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	D	Weld	18	WeldBroken	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	D	Weld	20	CorrectImproperRepair	Owner	LS,RS
3119	LandingLegBraceBracket(Ear)	D	Weld	21	Corrosion	Owner	LS,RS
3120	LandingLegDiagonalBrace	1	ReplaceW/New	14	Cut,Torn	Damage	LS,RS
3120	LandingLegDiagonalBrace	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3120	LandingLegDiagonalBrace	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
3120	LandingLegDiagonalBrace	1	ReplaceW/New	2	Bent	Damage	LS,RS
3120	LandingLegDiagonalBrace	1	ReplaceW/New	3	Broken	Damage	LS,RS
3120	LandingLegDiagonalBrace	1	ReplaceW/New	8	Missing	Damage	LS,RS
3120	LandingLegDiagonalBrace	8	Straighten	2	Bent	Damage	LS,RS
3120	LandingLegDiagonalBrace	A	Secure	7	Loose	Owner	LS,RS
3120	LandingLegDiagonalBrace	D	Weld	14	Cut,Torn	Damage	LS,RS
3120	LandingLegDiagonalBrace	D	Weld	18	WeldBroken	Owner	LS,RS
3120	LandingLegDiagonalBrace	D	Weld	20	CorrectImproperRepair	Owner	LS,RS
3121	LandingLegCrossChannelUpper	1	ReplaceW/New	14	Cut,Torn	Damage	U
3121	LandingLegCrossChannelUpper	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3121	LandingLegCrossChannelUpper	1	ReplaceW/New	21	Corrosion	Owner	U
3121	LandingLegCrossChannelUpper	1	ReplaceW/New	2	Bent	Damage	U
3121	LandingLegCrossChannelUpper	1	ReplaceW/New	3	Broken	Damage	U
3121	LandingLegCrossChannelUpper	1	ReplaceW/New	8	Missing	Damage	U
3121	LandingLegCrossChannelUpper	8	Straighten	2	Bent	Damage	U
3121	LandingLegCrossChannelUpper	A	Secure	7	Loose	Owner	U
3121	LandingLegCrossChannelUpper	D	Weld	14	Cut,Torn	Damage	U
3121	LandingLegCrossChannelUpper	D	Weld	18	WeldBroken	Owner	U
3141	LandingLegCrossBraceLower	1	ReplaceW/New	14	Cut,Torn	Damage	U
3141	LandingLegCrossBraceLower	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3141	LandingLegCrossBraceLower	1	ReplaceW/New	21	Corrosion	Owner	U
3141	LandingLegCrossBraceLower	1	ReplaceW/New	2	Bent	Damage	U
3141	LandingLegCrossBraceLower	1	ReplaceW/New	3	Broken	Damage	U
3141	LandingLegCrossBraceLower	1	ReplaceW/New	8	Missing	Damage	U
3141	LandingLegCrossBraceLower	8	Straighten	2	Bent	Damage	U
3141	LandingLegCrossBraceLower	A	Secure	7	Loose	Owner	U

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3141	LandingLegCrossBraceLower	D	Weld	14	Cut,Torn	Damage	U
3141	LandingLegCrossBraceLower	D	Weld	18	WeldBroken	Owner	U
3144	LandingLegMountingBracket	1	ReplaceW/New	14	Cut,Torn	Damage	LS,RS
3144	LandingLegMountingBracket	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3144	LandingLegMountingBracket	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
3144	LandingLegMountingBracket	1	ReplaceW/New	2	Bent	Damage	LS,RS
3144	LandingLegMountingBracket	1	ReplaceW/New	3	Broken	Damage	LS,RS
3144	LandingLegMountingBracket	1	ReplaceW/New	8	Missing	Damage	LS,RS
3144	LandingLegMountingBracket	8	Straighten	2	Bent	Damage	LS,RS
3144	LandingLegMountingBracket	A	Secure	7	Loose	Owner	LS,RS
3144	LandingLegMountingBracket	D	Weld	14	Cut,Torn	Damage	LS,RS
3144	LandingLegMountingBracket	D	Weld	18	WeldBroken	Owner	LS,RS
3144	LandingLegMountingBracket	D	Weld	20	CorrectImproperRepair	Owner	LS,RS
3144	LandingLegMountingBracket	D	Weld	3	Broken	Damage	LS,RS
3149	GearboxCover	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3149	GearboxCover	1	ReplaceW/New	14	Cut,Torn	Owner	LS,RS
3149	GearboxCover	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3149	GearboxCover	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
3149	GearboxCover	1	ReplaceW/New	2	Bent	Owner	LS,RS
3149	GearboxCover	1	ReplaceW/New	3	Broken	Owner	LS,RS
3149	GearboxCover	1	ReplaceW/New	8	Missing	Owner	LS,RS
3149	GearboxCover	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3149	GearboxCover	8	Straighten	2	Bent	Owner	LS,RS
3149	GearboxCover	A	Secure	7	Loose	Owner	LS,RS
3149	GearboxCover	D	Weld	18	WeldBroken	Owner	LS,RS
3150	CrankHandleRetainerClip	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3150	CrankHandleRetainerClip	1	ReplaceW/New	2	Bent	Owner	LS,RS
3150	CrankHandleRetainerClip	1	ReplaceW/New	3	Broken	Owner	LS,RS
3150	CrankHandleRetainerClip	1	ReplaceW/New	8	Missing	Owner	LS,RS
3150	CrankHandleRetainerClip	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3150	CrankHandleRetainerClip	8	Straighten	2	Bent	Owner	LS,RS
3150	CrankHandleRetainerClip	D	Weld	18	WeldBroken	Owner	LS,RS
3150	CrankHandleRetainerClip	D	Weld	1	AssociatedWithRepairs	Damage	LS,RS
3153	CrankHandle	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3153	CrankHandle	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3153	CrankHandle	1	ReplaceW/New	2	Bent	Owner	LS,RS
3153	CrankHandle	1	ReplaceW/New	3	Broken	Owner	LS,RS
3153	CrankHandle	1	ReplaceW/New	8	Missing	Owner	LS,RS
3153	CrankHandle	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3153	CrankHandle	8	Straighten	2	Bent	Owner	LS,RS
3153	CrankHandle	A	Secure	7	Loose	Owner	LS,RS
3160	Lower/InnerLeg	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3160	Lower/InnerLeg	1	ReplaceW/New	2	Bent	Damage	LS,RS
3160	Lower/InnerLeg	1	ReplaceW/New	3	Broken	Damage	LS,RS
3160	Lower/InnerLeg	1	ReplaceW/New	8	Missing	Damage	LS,RS
3160	Lower/InnerLeg	8	Straighten	2	Bent	Damage	LS,RS
3161	LandingLeg,CompleteSet,WithoutBraces	1	ReplaceW/New	19	InternalFailure	Owner	U
3161	LandingLeg,CompleteSet,WithoutBraces	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3161	LandingLeg,CompleteSet,WithoutBraces	1	ReplaceW/New	2	Bent	Damage	U
3161	LandingLeg,CompleteSet,WithoutBraces	1	ReplaceW/New	3	Broken	Damage	U
3161	LandingLeg,CompleteSet,WithoutBraces	1	ReplaceW/New	8	Missing	Damage	U
3162	LandingLeg,CompleteSet,WithBraces	1	ReplaceW/New	19	InternalFailure	Owner	U
3162	LandingLeg,CompleteSet,WithBraces	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3162	LandingLeg,CompleteSet,WithBraces	1	ReplaceW/New	2	Bent	Damage	U
3162	LandingLeg,CompleteSet,WithBraces	1	ReplaceW/New	3	Broken	Damage	U
3162	LandingLeg,CompleteSet,WithBraces	1	ReplaceW/New	8	Missing	Damage	U
3163	LandingLeg,Non-GearSide	1	ReplaceW/New	19	InternalFailure	Owner	LS,RS
3163	LandingLeg,Non-GearSide	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS

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3163	LandingLeg,Non-GearSide	1	ReplaceW/New	2	Bent	Damage	LS,RS
3163	LandingLeg,Non-GearSide	1	ReplaceW/New	3	Broken	Damage	LS,RS
3163	LandingLeg,Non-GearSide	1	ReplaceW/New	8	Missing	Damage	LS,RS
3163	LandingLeg,Non-GearSide	8	Straighten	2	Bent	Damage	LS,RS
3163	LandingLeg,Non-GearSide	A	Secure	7	Loose	Owner	LS,RS
3163	LandingLeg,Non-GearSide	D	Weld	18	WeldBroken	Owner	LS,RS
3163	LandingLeg,Non-GearSide	D	Weld	20	CorrectImproperRepair	Owner	LS,RS
3166	LandingLeg,GearSide	1	ReplaceW/New	19	InternalFailure	Owner	LS,RS
3166	LandingLeg,GearSide	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3166	LandingLeg,GearSide	1	ReplaceW/New	2	Bent	Damage	LS,RS
3166	LandingLeg,GearSide	1	ReplaceW/New	3	Broken	Damage	LS,RS
3166	LandingLeg,GearSide	1	ReplaceW/New	8	Missing	Damage	LS,RS
3166	LandingLeg,GearSide	8	Straighten	2	Bent	Damage	LS,RS
3166	LandingLeg,GearSide	A	Secure	7	Loose	Owner	LS,RS
3166	LandingLeg,GearSide	D	Weld	18	WeldBroken	Owner	LS,RS
3166	LandingLeg,GearSide	D	Weld	20	CorrectImproperRepair	Owner	LS,RS
3171	CushionFoot/Pad	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3171	CushionFoot/Pad	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3171	CushionFoot/Pad	1	ReplaceW/New	2	Bent	Owner	LS,RS
3171	CushionFoot/Pad	1	ReplaceW/New	3	Broken	Owner	LS,RS
3171	CushionFoot/Pad	1	ReplaceW/New	8	Missing	Owner	LS,RS
3171	CushionFoot/Pad	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3171	CushionFoot/Pad	8	Straighten	2	Bent	Owner	LS,RS
3171	CushionFoot/Pad	A	Secure	7	Loose	Owner	LS,RS
3183	Crossshaft/TimingBar	1	ReplaceW/New	15	WornOut	Owner	U
3183	Crossshaft/TimingBar	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3183	Crossshaft/TimingBar	1	ReplaceW/New	21	Corrosion	Owner	U
3183	Crossshaft/TimingBar	1	ReplaceW/New	2	Bent	Damage	U
3183	Crossshaft/TimingBar	1	ReplaceW/New	3	Broken	Damage	U
3183	Crossshaft/TimingBar	1	ReplaceW/New	8	Missing	Damage	U
3183	Crossshaft/TimingBar	8	Straighten	2	Bent	Damage	U
3183	Crossshaft/TimingBar	A	Secure	7	Loose	Owner	U
3214	ReductionGear	1	ReplaceW/New	19	InternalFailure	Owner	LS,RS
3214	ReductionGear	1	ReplaceW/New	2	Bent	Owner	LS,RS
3215	GearPin	1	ReplaceW/New	15	WornOut	Owner	LS,RS
3215	GearPin	1	ReplaceW/New	19	InternalFailure	Owner	LS,RS
3215	GearPin	1	ReplaceW/New	3	Broken	Owner	LS,RS
3218	Crankshaft	1	ReplaceW/New	2	Bent	Owner	LS,RS
3218	Crankshaft	1	ReplaceW/New	3	Broken	Owner	LS,RS
3218	Crankshaft	1	ReplaceW/New	8	Missing	Owner	LS,RS
3218	Crankshaft	8	Straighten	2	Bent	Owner	LS,RS
3219	LandingGearShaftBushing	1	ReplaceW/New	15	WornOut	Owner	LS,RS
3219	LandingGearShaftBushing	1	ReplaceW/New	3	Broken	Owner	LS,RS
3219	LandingGearShaftBushing	1	ReplaceW/New	8	Missing	Owner	LS,RS
3226	PinionShaft	1	ReplaceW/New	19	InternalFailure	Owner	LS,RS
3226	PinionShaft	1	ReplaceW/New	2	Bent	Owner	LS,RS
3226	PinionShaft	1	ReplaceW/New	3	Broken	Owner	LS,RS
3228	UpperLegCover(DustCover)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
3228	UpperLegCover(DustCover)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
3228	UpperLegCover(DustCover)	1	ReplaceW/New	2	Bent	Owner	LS,RS
3228	UpperLegCover(DustCover)	1	ReplaceW/New	3	Broken	Owner	LS,RS
3228	UpperLegCover(DustCover)	1	ReplaceW/New	8	Missing	Owner	LS,RS
3228	UpperLegCover(DustCover)	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
3228	UpperLegCover(DustCover)	8	Straighten	2	Bent	Owner	LS,RS
3228	UpperLegCover(DustCover)	A	Secure	7	Loose	Owner	LS,RS
3350	DOT/MOTUnder-rideGuard	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
3350	DOT/MOTUnder-rideGuard	1	ReplaceW/New	21	Corrosion	Owner	R
3350	DOT/MOTUnder-rideGuard	1	ReplaceW/New	2	Bent	Damage	R

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3350	DOT/MOTUnder-rideGuard	1	ReplaceW/New	3	Broken	Damage	R
3350	DOT/MOTUnder-rideGuard	1	ReplaceW/New	8	Missing	Damage	R
3350	DOT/MOTUnder-rideGuard	8	Straighten	2	Bent	Damage	R
3350	DOT/MOTUnder-rideGuard	D	Weld	18	WeldBroken	Owner	R
3350	DOT/MOTUnder-rideGuard	D	Weld	20	CorrectImproperRepair	Owner	R
3351	FillerPlate	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
3351	FillerPlate	1	ReplaceW/New	2	Bent	Owner	R
3351	FillerPlate	1	ReplaceW/New	3	Broken	Owner	R
3351	FillerPlate	1	ReplaceW/New	8	Missing	Owner	R
3351	FillerPlate	8	Straighten	1	AssociatedWithRepairs	Damage	R
3351	FillerPlate	8	Straighten	2	Bent	Owner	R
3351	FillerPlate	D	Weld	18	WeldBroken	Owner	R
3351	FillerPlate	D	Weld	3	Broken	Owner	R
3352	PintleHook	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
3352	PintleHook	1	ReplaceW/New	2	Bent	Owner	R
3352	PintleHook	1	ReplaceW/New	3	Broken	Owner	R
3352	PintleHook	1	ReplaceW/New	8	Missing	Owner	R
3352	PintleHook	8	Straighten	2	Bent	Owner	R
3352	PintleHook	A	Secure	7	Loose	Owner	R
3353	DOT/MOTBumperHorizontal-4"channel	1	ReplaceW/New	14	Cut,Torn	Damage	R
3353	DOT/MOTBumperHorizontal-4"channel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
3353	DOT/MOTBumperHorizontal-4"channel	1	ReplaceW/New	21	Corrosion	Owner	R
3353	DOT/MOTBumperHorizontal-4"channel	1	ReplaceW/New	2	Bent	Damage	R
3353	DOT/MOTBumperHorizontal-4"channel	1	ReplaceW/New	3	Broken	Damage	R
3353	DOT/MOTBumperHorizontal-4"channel	1	ReplaceW/New	8	Missing	Damage	R
3353	DOT/MOTBumperHorizontal-4"channel	8	Straighten	2	Bent	Damage	R
3353	DOT/MOTBumperHorizontal-4"channel	D	Weld	18	WeldBroken	Owner	R
3354	DOT/MOTBumperUpright-4"channel	1	ReplaceW/New	14	Cut,Torn	Damage	LR,RR
3354	DOT/MOTBumperUpright-4"channel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
3354	DOT/MOTBumperUpright-4"channel	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
3354	DOT/MOTBumperUpright-4"channel	1	ReplaceW/New	2	Bent	Damage	LR,RR
3354	DOT/MOTBumperUpright-4"channel	1	ReplaceW/New	3	Broken	Damage	LR,RR
3354	DOT/MOTBumperUpright-4"channel	1	ReplaceW/New	8	Missing	Damage	LR,RR
3354	DOT/MOTBumperUpright-4"channel	8	Straighten	2	Bent	Damage	LR,RR
3354	DOT/MOTBumperUpright-4"channel	D	Weld	18	WeldBroken	Owner	LR,RR
3355	DOT/MOTBumperHorizontal-4" Tubular	1	ReplaceW/New	14	Cut,Torn	Damage	R
3355	DOT/MOTBumperHorizontal-4" Tubular	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
3355	DOT/MOTBumperHorizontal-4" Tubular	1	ReplaceW/New	21	Corrosion	Owner	R
3355	DOT/MOTBumperHorizontal-4" Tubular	1	ReplaceW/New	2	Bent	Damage	R
3355	DOT/MOTBumperHorizontal-4" Tubular	1	ReplaceW/New	3	Broken	Damage	R
3355	DOT/MOTBumperHorizontal-4" Tubular	1	ReplaceW/New	8	Missing	Damage	R
3355	DOT/MOTBumperHorizontal-4" Tubular	8	Straighten	2	Bent	Damage	R
3355	DOT/MOTBumperHorizontal-4" Tubular	D	Weld	18	WeldBroken	Owner	R
3360	DockBumper	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
3360	DockBumper	1	ReplaceW/New	15	WornOut	Owner	LR,RR
3360	DockBumper	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
3360	DockBumper	1	ReplaceW/New	3	Broken	Owner	LR,RR
3360	DockBumper	1	ReplaceW/New	8	Missing	Owner	LR,RR
3360	DockBumper	A	Secure	7	Loose	Owner	LR,RR
3403	Mudflap	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
3403	Mudflap	1	ReplaceW/New	15	WornOut	Owner	LR,RR
3403	Mudflap	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
3403	Mudflap	1	ReplaceW/New	8	Missing	Owner	LR,RR
3403	Mudflap	A	Secure	7	Loose	Owner	LR,RR
3405	MudflapBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
3405	MudflapBracket	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
3405	MudflapBracket	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
3405	MudflapBracket	1	ReplaceW/New	2	Bent	Owner	LR,RR

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3405	MudflapBracket	1	ReplaceW/New	3	Broken	Owner	LR,RR
3405	MudflapBracket	1	ReplaceW/New	8	Missing	Owner	LR,RR
3405	MudflapBracket	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
3405	MudflapBracket	8	Straighten	2	Bent	Owner	LR,RR
3405	MudflapBracket	A	Secure	7	Loose	Owner	LR,RR
3405	MudflapBracket	D	Weld	14	Cut,Torn	Owner	LR,RR
3405	MudflapBracket	D	Weld	18	WeldBroken	Owner	LR,RR
3405	MudflapBracket	D	Weld	1	AssociatedWithRepairs	Damage	LR,RR
3407	MudflapStrap	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
3407	MudflapStrap	1	ReplaceW/New	2	Bent	Owner	LR,RR
3407	MudflapStrap	1	ReplaceW/New	3	Broken	Owner	LR,RR
3407	MudflapStrap	1	ReplaceW/New	8	Missing	Owner	LR,RR
3407	MudflapStrap	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
3407	MudflapStrap	8	Straighten	2	Bent	Owner	LR,RR
3410	LicensePlateBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
3410	LicensePlateBracket	1	ReplaceW/New	21	Corrosion	Owner	R
3410	LicensePlateBracket	1	ReplaceW/New	2	Bent	Owner	R
3410	LicensePlateBracket	1	ReplaceW/New	3	Broken	Owner	R
3410	LicensePlateBracket	1	ReplaceW/New	8	Missing	Owner	R
3410	LicensePlateBracket	8	Straighten	1	AssociatedWithRepairs	Damage	R
3410	LicensePlateBracket	8	Straighten	2	Bent	Owner	R
3410	LicensePlateBracket	A	Secure	7	Loose	Owner	R
3455	LicensePlate	1	ReplaceW/New	8	Missing	Owner	R
3455	LicensePlate	7	LaborOnly	7	Loose	Owner	R
3455	LicensePlate	A	Secure	7	Loose	Owner	R
3506	KingPin	1	ReplaceW/New	15	WornOut	Owner	U
3506	KingPin	1	ReplaceW/New	3	Broken	Owner	U
3506	KingPin	1	ReplaceW/New	8	Missing	Owner	U
3506	KingPin	D	Weld	18	WeldBroken	Owner	U
3558	GridSection	1	ReplaceW/New	14	Cut,Torn	Damage	U
3558	GridSection	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3558	GridSection	1	ReplaceW/New	21	Corrosion	Owner	U
3558	GridSection	1	ReplaceW/New	2	Bent	Damage	U
3558	GridSection	1	ReplaceW/New	3	Broken	Damage	U
3558	GridSection	D	Weld	14	Cut,Torn	Damage	U
3558	GridSection	D	Weld	18	WeldBroken	Owner	U
3560	PickUpPlate	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F,U
3560	PickUpPlate	1	ReplaceW/New	21	Corrosion	Owner	F,U
3560	PickUpPlate	1	ReplaceW/New	2	Bent	Damage	F,U
3560	PickUpPlate	1	ReplaceW/New	3	Broken	Damage	F,U
3560	PickUpPlate	8	Straighten	2	Bent	Damage	F,U
3560	PickUpPlate	D	Weld	18	WeldBroken	Owner	F,U
3565	GridExtensionPlate	1	ReplaceW/New	14	Cut,Torn	Damage	U
3565	GridExtensionPlate	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3565	GridExtensionPlate	1	ReplaceW/New	2	Bent	Damage	U
3565	GridExtensionPlate	1	ReplaceW/New	3	Broken	Damage	U
3565	GridExtensionPlate	1	ReplaceW/New	8	Missing	Damage	U
3565	GridExtensionPlate	8	Straighten	2	Bent	Damage	U
3565	GridExtensionPlate	D	Weld	14	Cut,Torn	Damage	U
3565	GridExtensionPlate	D	Weld	18	WeldBroken	Owner	U
3650	Crossmember-Container	1	ReplaceW/New	14	Cut,Torn	Damage	U
3650	Crossmember-Container	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3650	Crossmember-Container	1	ReplaceW/New	21	Corrosion	Owner	U
3650	Crossmember-Container	1	ReplaceW/New	2	Bent	Damage	U
3650	Crossmember-Container	1	ReplaceW/New	3	Broken	Damage	U
3650	Crossmember-Container	1	ReplaceW/New	8	Missing	Damage	U
3650	Crossmember-Container	8	Straighten	20	CorrectImproperRepair	Owner	U
3650	Crossmember-Container	8	Straighten	2	Bent	Damage	U

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3650	Crossmember-Container	D	Weld	14	Cut,Torn	Damage	U
3650	Crossmember-Container	D	Weld	18	WeldBroken	Owner	U
3650	Crossmember-Container	D	Weld	20	CorrectImproperRepair	Owner	U
3650	Crossmember-Container	D	Weld	7	Loose	Owner	U
3653	CrossmemberClip	1	ReplaceW/New	21	Corrosion	Owner	U
3653	CrossmemberClip	1	ReplaceW/New	2	Bent	Owner	U
3653	CrossmemberClip	1	ReplaceW/New	3	Broken	Owner	U
3653	CrossmemberClip	1	ReplaceW/New	8	Missing	Owner	U
3653	CrossmemberClip	A	Secure	7	Loose	Owner	U
3653	CrossmemberClip	D	Weld	18	WeldBroken	Owner	U
3654	CrossmemberBayArea	1	ReplaceW/New	14	Cut,Torn	Damage	U
3654	CrossmemberBayArea	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3654	CrossmemberBayArea	1	ReplaceW/New	2	Bent	Damage	U
3654	CrossmemberBayArea	1	ReplaceW/New	3	Broken	Damage	U
3654	CrossmemberBayArea	1	ReplaceW/New	8	Missing	Damage	U
3654	CrossmemberBayArea	8	Straighten	2	Bent	Damage	U
3654	CrossmemberBayArea	A	Secure	7	Loose	Owner	U
3654	CrossmemberBayArea	D	Weld	14	Cut,Torn	Damage	U
3654	CrossmemberBayArea	D	Weld	18	WeldBroken	Owner	U
3654	CrossmemberBayArea	D	Weld	20	CorrectImproperRepair	Owner	U
3655	CrossmemberOverLegs	1	ReplaceW/New	14	Cut,Torn	Damage	U
3655	CrossmemberOverLegs	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3655	CrossmemberOverLegs	1	ReplaceW/New	2	Bent	Damage	U
3655	CrossmemberOverLegs	1	ReplaceW/New	3	Broken	Damage	U
3655	CrossmemberOverLegs	1	ReplaceW/New	8	Missing	Damage	U
3655	CrossmemberOverLegs	8	Straighten	2	Bent	Damage	U
3655	CrossmemberOverLegs	A	Secure	7	Loose	Owner	U
3655	CrossmemberOverLegs	D	Weld	14	Cut,Torn	Damage	U
3655	CrossmemberOverLegs	D	Weld	18	WeldBroken	Owner	U
3655	CrossmemberOverLegs	D	Weld	20	CorrectImproperRepair	Owner	U
3656	CrossmemberOverTandem	1	ReplaceW/New	14	Cut,Torn	Damage	U
3656	CrossmemberOverTandem	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3656	CrossmemberOverTandem	1	ReplaceW/New	2	Bent	Damage	U
3656	CrossmemberOverTandem	1	ReplaceW/New	3	Broken	Damage	U
3656	CrossmemberOverTandem	1	ReplaceW/New	8	Missing	Damage	U
3656	CrossmemberOverTandem	8	Straighten	2	Bent	Damage	U
3656	CrossmemberOverTandem	A	Secure	7	Loose	Owner	U
3656	CrossmemberOverTandem	D	Weld	14	Cut,Torn	Damage	U
3656	CrossmemberOverTandem	D	Weld	18	WeldBroken	Owner	U
3656	CrossmemberOverTandem	D	Weld	20	CorrectImproperRepair	Owner	U
3657	Crossmember,Tubular,Trailer	1	ReplaceW/New	14	Cut,Torn	Damage	U
3657	Crossmember,Tubular,Trailer	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3657	Crossmember,Tubular,Trailer	1	ReplaceW/New	2	Bent	Damage	U
3657	Crossmember,Tubular,Trailer	1	ReplaceW/New	3	Broken	Damage	U
3657	Crossmember,Tubular,Trailer	1	ReplaceW/New	8	Missing	Damage	U
3657	Crossmember,Tubular,Trailer	8	Straighten	2	Bent	Damage	U
3657	Crossmember,Tubular,Trailer	A	Secure	7	Loose	Owner	U
3657	Crossmember,Tubular,Trailer	D	Weld	14	Cut,Torn	Damage	U
3657	Crossmember,Tubular,Trailer	D	Weld	18	WeldBroken	Owner	U
3657	Crossmember,Tubular,Trailer	D	Weld	20	CorrectImproperRepair	Owner	U
3658	CrossmemberTransitional(traileronly)	1	ReplaceW/New	14	Cut,Torn	Damage	U
3658	CrossmemberTransitional(traileronly)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
3658	CrossmemberTransitional(traileronly)	1	ReplaceW/New	2	Bent	Damage	U
3658	CrossmemberTransitional(traileronly)	1	ReplaceW/New	3	Broken	Damage	U
3658	CrossmemberTransitional(traileronly)	1	ReplaceW/New	8	Missing	Damage	U
3658	CrossmemberTransitional(traileronly)	8	Straighten	2	Bent	Damage	U
3658	CrossmemberTransitional(traileronly)	A	Secure	7	Loose	Owner	U
3658	CrossmemberTransitional(traileronly)	D	Weld	14	Cut,Torn	Damage	U

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3658	CrossmemberTransitional(traileronly)	D	Weld	18	WeldBroken	Owner	U
3658	CrossmemberTransitional(traileronly)	D	Weld	20	CorrectImproperRepair	Owner	U
4100	Clean7wayReceptacle	7	LaborOnly	21	Corrosion	Owner	F,R
4101	Trace&RepairElectricalShort	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,U,LS,RS,RF,RC,RR,LF,LC,LR,RC,LC
4101	Trace&RepairElectricalShort	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,U,LS,RS,RF,RC,RR,LF,LC,LR,RC,LC
4101	Trace&RepairElectricalShort	1	ReplaceW/New	21	Corrosion	Owner	F,R,U,LS,RS,RF,RC,RR,LF,LC,LR,RC,LC
4101	Trace&RepairElectricalShort	1	ReplaceW/New	24	BurnedOut	Owner	F,R,U,LS,RS,RF,RC,RR,LF,LC,LR,RC,LC
4101	Trace&RepairElectricalShort	7	LaborOnly	21	Corrosion	Owner	F,R,U,LS,RS,RF,RC,RR,LF,LC,LR,RC,LC
4101	Trace&RepairElectricalShort	7	LaborOnly	24	BurnedOut	Owner	F,R,U,LS,RS,RF,RC,RR,LF,LC,LR,RC,LC
4109	CircuitBreaker	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F
4109	CircuitBreaker	1	ReplaceW/New	24	BurnedOut	Owner	F
4109	CircuitBreaker	1	ReplaceW/New	3	Broken	Owner	F
4109	CircuitBreaker	1	ReplaceW/New	8	Missing	Owner	F
4112	ElectricalWire	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,U,LS,RS
4112	ElectricalWire	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,U,LS,RS
4112	ElectricalWire	1	ReplaceW/New	21	Corrosion	Owner	F,R,U,LS,RS
4112	ElectricalWire	1	ReplaceW/New	24	BurnedOut	Owner	F,R,U,LS,RS
4112	ElectricalWire	1	ReplaceW/New	8	Missing	Owner	F,R,U,LS,RS
4112	ElectricalWire	C	Section	14	Cut,Torn	Owner	F,R,U,LS,RS
4112	ElectricalWire	C	Section	21	Corrosion	Owner	F,R,U,LS,RS
4112	ElectricalWire	C	Section	24	BurnedOut	Owner	F,R,U,LS,RS
4112	ElectricalWire	C	Secure	1	AssociatedWithRepairs	Damage	F,R,U,LS,RS
4112	ElectricalWire	C	Secure	7	Loose	Owner	F,R,U,LS,RS
4130	BulbandLens	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LS,RS
4130	BulbandLens	1	ReplaceW/New	24	BurnedOut	Owner	F,R,LS,RS
4130	BulbandLens	1	ReplaceW/New	3	Broken	Owner	F,R,LS,RS
4130	BulbandLens	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
4132	TailLightBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4132	TailLightBracket	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4132	TailLightBracket	1	ReplaceW/New	2	Bent	Owner	LR,RR
4132	TailLightBracket	1	ReplaceW/New	3	Broken	Owner	LR,RR
4132	TailLightBracket	1	ReplaceW/New	8	Missing	Owner	LR,RR
4132	TailLightBracket	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4132	TailLightBracket	8	Straighten	2	Bent	Owner	LR,RR
4132	TailLightBracket	D	Weld	18	WeldBroken	Owner	LR,RR
4132	TailLightBracket	D	Weld	7	Loose	Owner	LR,RR
4133	LicensePlatelight	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
4133	LicensePlatelight	1	ReplaceW/New	24	BurnedOut	Owner	R
4133	LicensePlatelight	1	ReplaceW/New	3	Broken	Owner	R
4133	LicensePlatelight	1	ReplaceW/New	8	Missing	Owner	R
4133	LicensePlatelight	A	Secure	7	Loose	Owner	R
4134	MarkerLightBulb	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4134	MarkerLightBulb	1	ReplaceW/New	24	BurnedOut	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4134	MarkerLightBulb	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4134	MarkerLightBulb	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4134	MarkerLightBulb	A	Secure	7	Loose	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4137	TailLightBulb	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4137	TailLightBulb	1	ReplaceW/New	24	BurnedOut	Owner	LR,RR
4137	TailLightBulb	1	ReplaceW/New	3	Broken	Owner	LR,RR
4137	TailLightBulb	1	ReplaceW/New	8	Missing	Owner	LR,RR
4137	TailLightBulb	A	Secure	7	Loose	Owner	LR,RR
4139	WireHarness	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,U,LS,RS
4139	WireHarness	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,U,LS,RS
4139	WireHarness	1	ReplaceW/New	21	Corrosion	Owner	F,R,U,LS,RS
4139	WireHarness	1	ReplaceW/New	24	BurnedOut	Owner	F,R,U,LS,RS
4139	WireHarness	1	ReplaceW/New	3	Broken	Owner	F,R,U,LS,RS
4139	WireHarness	1	ReplaceW/New	8	Missing	Owner	F,R,U,LS,RS
4139	WireHarness	A	Secure	7	Loose	Owner	F,R,U,LS,RS

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4139	WireHarness	C	Section	14	Cut,Torn	Owner	F,R,U,LS,RS
4139	WireHarness	C	Section	1	AssociatedWithRepairs	Damage	F,R,U,LS,RS
4139	WireHarness	C	Section	21	Corrosion	Owner	F,R,U,LS,RS
4139	WireHarness	C	Section	24	BurnedOut	Owner	F,R,U,LS,RS
4140	TailLightBulb,Lens,Retainer	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4140	TailLightBulb,Lens,Retainer	1	ReplaceW/New	3	Broken	Owner	LR,RR
4140	TailLightBulb,Lens,Retainer	1	ReplaceW/New	8	Missing	Owner	LR,RR
4141	MarkerLens	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4141	MarkerLens	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4141	MarkerLens	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4142	TailLightLens	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4142	TailLightLens	1	ReplaceW/New	3	Broken	Owner	LR,RR
4142	TailLightLens	1	ReplaceW/New	8	Missing	Owner	LR,RR
4143	LicensePlateLens	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
4143	LicensePlateLens	1	ReplaceW/New	3	Broken	Owner	R
4143	LicensePlateLens	1	ReplaceW/New	8	Missing	Owner	R
4144	SideTurnSignalAssembly	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
4144	SideTurnSignalAssembly	1	ReplaceW/New	24	BurnedOut	Owner	LS,RS
4144	SideTurnSignalAssembly	1	ReplaceW/New	2	Bent	Owner	LS,RS
4144	SideTurnSignalAssembly	1	ReplaceW/New	3	Broken	Owner	LS,RS
4144	SideTurnSignalAssembly	1	ReplaceW/New	8	Missing	Owner	LS,RS
4144	SideTurnSignalAssembly	A	Secure	7	Loose	Owner	LS,RS
4145	MarkerLightAssembly-BulbType	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4145	MarkerLightAssembly-BulbType	1	ReplaceW/New	24	BurnedOut	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4145	MarkerLightAssembly-BulbType	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4145	MarkerLightAssembly-BulbType	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4145	MarkerLightAssembly-BulbType	A	Secure	7	Loose	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4146	MarkerLightAssembly-SealBeam	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4146	MarkerLightAssembly-SealBeam	1	ReplaceW/New	24	BurnedOut	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4146	MarkerLightAssembly-SealBeam	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4146	MarkerLightAssembly-SealBeam	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4146	MarkerLightAssembly-SealBeam	A	Secure	7	Loose	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4149	LicensePlateLightAssembly-BulbType	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
4149	LicensePlateLightAssembly-BulbType	1	ReplaceW/New	24	BurnedOut	Owner	R
4149	LicensePlateLightAssembly-BulbType	1	ReplaceW/New	3	Broken	Owner	R
4149	LicensePlateLightAssembly-BulbType	1	ReplaceW/New	8	Missing	Owner	R
4149	LicensePlateLightAssembly-BulbType	A	Secure	7	Loose	Owner	R
4150	LicensePlateLightAssy-SealBeam	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
4150	LicensePlateLightAssy-SealBeam	1	ReplaceW/New	24	BurnedOut	Owner	R
4150	LicensePlateLightAssy-SealBeam	1	ReplaceW/New	3	Broken	Owner	R
4150	LicensePlateLightAssy-SealBeam	1	ReplaceW/New	8	Missing	Owner	R
4150	LicensePlateLightAssy-SealBeam	A	Secure	7	Loose	Owner	R
4151	ConspicuityTape-replacesReflectiveTape	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LS,RS
4151	ConspicuityTape-replacesReflectiveTape	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
4152	Reflector	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4152	Reflector	1	ReplaceW/New	3	Broken	Owner	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4152	Reflector	1	ReplaceW/New	8	Missing	Owner	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4152	Reflector	A	Secure	7	Loose	Owner	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4153	LensRetainer/ORing	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4153	LensRetainer/ORing	1	ReplaceW/New	3	Broken	Owner	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4153	LensRetainer/ORing	1	ReplaceW/New	8	Missing	Owner	F,LR,RR,LSC,LSF,LSR,RSC,RSF,RSR
4156	ElectricalJunctionBox	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,U
4156	ElectricalJunctionBox	1	ReplaceW/New	21	Corrosion	Owner	F,U
4156	ElectricalJunctionBox	1	ReplaceW/New	24	BurnedOut	Owner	F,U
4156	ElectricalJunctionBox	1	ReplaceW/New	3	Broken	Owner	F,U
4156	ElectricalJunctionBox	1	ReplaceW/New	8	Missing	Owner	F,U
4156	ElectricalJunctionBox	A	Secure	7	Loose	Owner	F,U
4157	TailLightAssembly-BulbType	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR

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4157	TailLightAssembly-BulbType	1	ReplaceW/New	24	BurnedOut	Owner	LR,RR
4157	TailLightAssembly-BulbType	1	ReplaceW/New	3	Broken	Owner	LR,RR
4157	TailLightAssembly-BulbType	1	ReplaceW/New	8	Missing	Owner	LR,RR
4157	TailLightAssembly-BulbType	A	Secure	7	Loose	Owner	LR,RR
4161	TailLightAssembly-SealBeam	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4161	TailLightAssembly-SealBeam	1	ReplaceW/New	24	BurnedOut	Owner	LR,RR
4161	TailLightAssembly-SealBeam	1	ReplaceW/New	3	Broken	Owner	LR,RR
4161	TailLightAssembly-SealBeam	1	ReplaceW/New	8	Missing	Owner	LR,RR
4161	TailLightAssembly-SealBeam	A	Secure	7	Loose	Owner	LR,RR
4162	MarkerLightMountingClip/Base	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4162	MarkerLightMountingClip/Base	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4162	MarkerLightMountingClip/Base	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4162	MarkerLightMountingClip/Base	A	Secure	7	Loose	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4163	MarkerLightBracket(Steel)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LS,RS
4163	MarkerLightBracket(Steel)	1	ReplaceW/New	21	Corrosion	Owner	LS,RS
4163	MarkerLightBracket(Steel)	1	ReplaceW/New	2	Bent	Owner	LS,RS
4163	MarkerLightBracket(Steel)	1	ReplaceW/New	3	Broken	Owner	LS,RS
4163	MarkerLightBracket(Steel)	8	Straighten	1	AssociatedWithRepairs	Damage	LS,RS
4163	MarkerLightBracket(Steel)	8	Straighten	2	Bent	Owner	LS,RS
4163	MarkerLightBracket(Steel)	D	Weld	18	WeldBroken	Owner	LS,RS
4164	TailLightBracketGuard	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4164	TailLightBracketGuard	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4164	TailLightBracketGuard	1	ReplaceW/New	2	Bent	Owner	LR,RR
4164	TailLightBracketGuard	1	ReplaceW/New	3	Broken	Owner	LR,RR
4164	TailLightBracketGuard	1	ReplaceW/New	8	Missing	Owner	LR,RR
4164	TailLightBracketGuard	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4164	TailLightBracketGuard	8	Straighten	2	Bent	Owner	LR,RR
4164	TailLightBracketGuard	A	Secure	7	Loose	Owner	LR,RR
4164	TailLightBracketGuard	D	Weld	18	WeldBroken	Owner	LR,RR
4164	TailLightBracketGuard	D	Weld	7	Loose	Owner	LR,RR
4165	SealBeamGrommet	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4165	SealBeamGrommet	1	ReplaceW/New	15	WornOut	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4165	SealBeamGrommet	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4165	SealBeamGrommet	1	ReplaceW/New	22	Rotted	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4165	SealBeamGrommet	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4165	SealBeamGrommet	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4166	CombinationStop/TurnAssembly	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4166	CombinationStop/TurnAssembly	1	ReplaceW/New	24	BurnedOut	Owner	LR,RR
4166	CombinationStop/TurnAssembly	1	ReplaceW/New	3	Broken	Owner	LR,RR
4166	CombinationStop/TurnAssembly	1	ReplaceW/New	8	Missing	Owner	LR,RR
4166	CombinationStop/TurnAssembly	A	Secure	7	Loose	Owner	LR,RR
4250	7-WayReceptacleBase	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R
4250	7-WayReceptacleBase	1	ReplaceW/New	3	Broken	Owner	F,R
4250	7-WayReceptacleBase	1	ReplaceW/New	8	Missing	Owner	F,R
4250	7-WayReceptacleBase	A	Secure	7	Loose	Owner	F,R
4251	7-WayReceptacle	1	ReplaceW/New	15	WornOut	Owner	F,R
4251	7-WayReceptacle	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R
4251	7-WayReceptacle	1	ReplaceW/New	21	Corrosion	Owner	F,R
4251	7-WayReceptacle	1	ReplaceW/New	24	BurnedOut	Owner	F,R
4251	7-WayReceptacle	1	ReplaceW/New	3	Broken	Owner	F,R
4251	7-WayReceptacle	1	ReplaceW/New	8	Missing	Owner	F,R
4251	7-WayReceptacle	A	Secure	7	Loose	Owner	F,R
4253	7-WayReceptaclewithBreaker	1	ReplaceW/New	15	WornOut	Owner	F,R
4253	7-WayReceptaclewithBreaker	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R
4253	7-WayReceptaclewithBreaker	1	ReplaceW/New	21	Corrosion	Owner	F,R
4253	7-WayReceptaclewithBreaker	1	ReplaceW/New	24	BurnedOut	Owner	F,R
4253	7-WayReceptaclewithBreaker	1	ReplaceW/New	3	Broken	Owner	F,R
4253	7-WayReceptaclewithBreaker	1	ReplaceW/New	8	Missing	Owner	F,R

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4253	7-WayReceptaclewithBreaker	A	Secure	7	Loose	Owner	F,R
4254	Pigtail	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	1	ReplaceW/New	15	WornOut	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	1	ReplaceW/New	21	Corrosion	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	1	ReplaceW/New	24	BurnedOut	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	1	ReplaceW/New	3	Broken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	1	ReplaceW/New	8	Missing	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4254	Pigtail	A	Secure	7	Loose	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
4260	SatelliteTrackingUnit	1	ReplaceW/New	2	Bent	Owner	T
4260	SatelliteTrackingUnit	1	ReplaceW/New	3	Broken	Owner	T
4260	SatelliteTrackingUnit	1	ReplaceW/New	8	Missing	Owner	T
4260	SatelliteTrackingUnit	A	Secure	7	Loose	Owner	T
4261	SatelliteDoorSensor	1	ReplaceW/New	2	Bent	Owner	RS
4261	SatelliteDoorSensor	1	ReplaceW/New	3	Broken	Owner	RS
4261	SatelliteDoorSensor	1	ReplaceW/New	8	Missing	Owner	RS
4261	SatelliteDoorSensor	A	Secure	7	Loose	Owner	RS
4262	SatelliteLithiumBatteryPack	1	ReplaceW/New	2	Bent	Owner	T
4262	SatelliteLithiumBatteryPack	1	ReplaceW/New	3	Broken	Owner	T
4262	SatelliteLithiumBatteryPack	1	ReplaceW/New	8	Missing	Owner	T
4262	SatelliteLithiumBatteryPack	A	Secure	7	Loose	Owner	T
4263	SatelliteConnectingLines	1	ReplaceW/New	2	Bent	Owner	T
4263	SatelliteConnectingLines	1	ReplaceW/New	3	Broken	Owner	T
4263	SatelliteConnectingLines	1	ReplaceW/New	8	Missing	Owner	T
4263	SatelliteConnectingLines	A	Secure	7	Loose	Owner	T
4305	InteriorLiningDivider	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	1	ReplaceW/New	2	Bent	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	1	ReplaceW/New	3	Broken	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	1	ReplaceW/New	8	Missing	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	8	Straighten	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	8	Straighten	2	Bent	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	A	Secure	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4305	InteriorLiningDivider	A	Secure	7	Loose	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	1	ReplaceW/New	14	Cut,Torn	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	1	ReplaceW/New	3	Broken	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	1	ReplaceW/New	8	Missing	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	A	Secure	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	A	Secure	7	Loose	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	B	Patch	14	Cut,Torn	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	B	Patch	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	B	Patch	3	Broken	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	C	Section	14	Cut,Torn	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	C	Section	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4310	InteriorPlasticLiner	C	Section	3	Broken	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	1	ReplaceW/New	14	Cut,Torn	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	1	ReplaceW/New	3	Broken	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	1	ReplaceW/New	8	Missing	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	A	Secure	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	A	Secure	7	Loose	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	C	Section	14	Cut,Torn	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	C	Section	1	AssociatedWithRepairs	Damage	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4312	InteriorPlywoodLining	C	Section	3	Broken	Owner	F,LSC,LSF,LSR,RSC,RSF,RSR,TC,TF,TR
4320	SidewallLoadRetainer(ETrack)	1	ReplaceW/New	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETTrack)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETTrack)	1	ReplaceW/New	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETTrack)	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR

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4320	SidewallLoadRetainer(ETrack)	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETrack)	8	Straighten	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETrack)	8	Straighten	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETrack)	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4320	SidewallLoadRetainer(ETrack)	D	Weld	18	WeldBroken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	1	ReplaceW/New	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	C	Section	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4334	Scuffliner,Plastic	C	Section	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	1	ReplaceW/New	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	C	Section	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	C	Section	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4338	Scuffliner,Wood	C	Section	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	1	ReplaceW/New	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	1	ReplaceW/New	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	8	Straighten	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	8	Straighten	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	A	Secure	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	C	Section	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	C	Section	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	C	Section	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4342	Scuffliner,Metal	C	Section	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4408	DoorBumper(Stop)	1	ReplaceW/New	3	Broken	Owner	LR,RR
4408	DoorBumper(Stop)	1	ReplaceW/New	8	Missing	Owner	LR,RR
4408	DoorBumper(Stop)	A	Secure	7	Loose	Owner	LR,RR
4409	Anti-TheftPlate	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR
4409	Anti-TheftPlate	1	ReplaceW/New	2	Bent	Owner	LR
4409	Anti-TheftPlate	1	ReplaceW/New	3	Broken	Owner	LR
4409	Anti-TheftPlate	1	ReplaceW/New	8	Missing	Owner	LR
4409	Anti-TheftPlate	8	Straighten	1	AssociatedWithRepairs	Damage	LR
4409	Anti-TheftPlate	8	Straighten	2	Bent	Owner	LR
4409	Anti-TheftPlate	A	Secure	7	Loose	Owner	LR
4410	HingePinBushing	1	ReplaceW/New	3	Broken	Owner	LR,RR
4410	HingePinBushing	1	ReplaceW/New	8	Missing	Owner	LR,RR
4411	LockrodGuideBushing	1	ReplaceW/New	3	Broken	Owner	LR,RR
4411	LockrodGuideBushing	1	ReplaceW/New	8	Missing	Owner	LR,RR
4412	DoorHandleMountBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4412	DoorHandleMountBracket	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4412	DoorHandleMountBracket	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4412	DoorHandleMountBracket	1	ReplaceW/New	2	Bent	Owner	LR,RR
4412	DoorHandleMountBracket	1	ReplaceW/New	3	Broken	Owner	LR,RR
4412	DoorHandleMountBracket	1	ReplaceW/New	8	Missing	Owner	LR,RR
4412	DoorHandleMountBracket	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4412	DoorHandleMountBracket	8	Straighten	2	Bent	Owner	LR,RR

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4412	DoorHandleMountBracket	A	Secure	7	Loose	Owner	LR,RR
4412	DoorHandleMountBracket	D	Weld	18	WeldBroken	Owner	LR,RR
4413	HingeButt	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4413	HingeButt	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4413	HingeButt	1	ReplaceW/New	2	Bent	Owner	LR,RR
4413	HingeButt	1	ReplaceW/New	3	Broken	Owner	LR,RR
4413	HingeButt	1	ReplaceW/New	8	Missing	Owner	LR,RR
4413	HingeButt	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4413	HingeButt	8	Straighten	2	Bent	Owner	LR,RR
4413	HingeButt	D	Weld	18	WeldBroken	Owner	LR,RR
4415	LockrodCam	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4415	LockrodCam	1	ReplaceW/New	2	Bent	Damage	LR,RR
4415	LockrodCam	1	ReplaceW/New	3	Broken	Damage	LR,RR
4415	LockrodCam	1	ReplaceW/New	8	Missing	Owner	LR,RR
4415	LockrodCam	8	Straighten	2	Bent	Damage	LR,RR
4415	LockrodCam	D	Weld	18	WeldBroken	Owner	LR,RR
4415	LockrodCam	D	Weld	7	Loose	Owner	LR,RR
4418	Door,Rear,Steel	1	ReplaceW/New	14	Cut,Torn	Damage	LR,RR
4418	Door,Rear,Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4418	Door,Rear,Steel	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4418	Door,Rear,Steel	1	ReplaceW/New	2	Bent	Damage	LR,RR
4418	Door,Rear,Steel	1	ReplaceW/New	3	Broken	Damage	LR,RR
4418	Door,Rear,Steel	1	ReplaceW/New	8	Missing	Damage	LR,RR
4418	Door,Rear,Steel	8	Straighten	2	Bent	Damage	LR,RR
4418	Door,Rear,Steel	D	Weld	14	Cut,Torn	Damage	LR,RR
4418	Door,Rear,Steel	D	Weld	18	WeldBroken	Owner	LR,RR
4418	Door,Rear,Steel	H	Overlay	14	Cut,Torn	Damage	LR,RR
4418	Door,Rear,Steel	I	Insert	14	Cut,Torn	Damage	LR,RR
4419	Door	0	TemporaryRepair	3	Broken	HandlingLine	LR,RR
4419	Door	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4419	Door	1	ReplaceW/New	22	Rotted	Owner	R
4419	Door	1	ReplaceW/New	2	Bent	Damage	R
4419	Door	1	ReplaceW/New	3	Broken	Damage	R
4419	Door	1	ReplaceW/New	8	Missing	Damage	R
4419	Door	8	Straighten	2	Bent	Damage	R
4419	Door	B	Patch	14	Cut,Torn	Owner	R
4419	Door	B	Patch	22	Rotted	Owner	R
4420	Door,Rollup	0	TemporaryRepair	3	Broken	HandlingLine	R
4420	Door,Rollup	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
4420	Door,Rollup	1	ReplaceW/New	22	Rotted	Owner	R
4420	Door,Rollup	1	ReplaceW/New	2	Bent	Owner	R
4420	Door,Rollup	1	ReplaceW/New	3	Broken	Owner	R
4420	Door,Rollup	1	ReplaceW/New	8	Missing	Owner	R
4420	Door,Rollup	8	Straighten	2	Bent	Owner	R
4420	Door,Rollup	B	Patch	14	Cut,Torn	Owner	R
4420	Door,Rollup	B	Patch	22	Rotted	Owner	R
4422	Door,Side	0	TemporaryRepair	3	Broken	Owner	LS,RS
4422	Door,Side	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
4422	Door,Side	1	ReplaceW/New	22	Rotted	Owner	LS,RS
4422	Door,Side	1	ReplaceW/New	2	Bent	Owner	LS,RS
4422	Door,Side	1	ReplaceW/New	3	Broken	Owner	LS,RS
4422	Door,Side	1	ReplaceW/New	8	Missing	Owner	LS,RS
4422	Door,Side	8	Straighten	2	Bent	Owner	LS,RS
4422	Door,Side	B	Patch	14	Cut,Torn	Owner	LS,RS
4422	Door,Side	B	Patch	22	Rotted	Owner	LS,RS
4423	DoorPlyliner	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
4423	DoorPlyliner	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4423	DoorPlyliner	1	ReplaceW/New	3	Broken	Owner	LR,RR

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4423	DoorPlyliner	1	ReplaceW/New	8	Missing	Owner	LR,RR
4423	DoorPlyliner	A	Secure	7	Loose	Owner	LR,RR
4423	DoorPlyliner	C	Section	14	Cut,Torn	Owner	LR,RR
4423	DoorPlyliner	C	Section	3	Broken	Owner	LR,RR
4423	DoorPlyliner	C	Section	8	Missing	Owner	LR,RR
4425	DoorGasket	0	TemporaryRepair	3	Broken	HandlingLine	LR,RR
4425	DoorGasket	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
4425	DoorGasket	1	ReplaceW/New	15	WornOut	Owner	LR,RR
4425	DoorGasket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4425	DoorGasket	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4425	DoorGasket	1	ReplaceW/New	3	Broken	Owner	LR,RR
4425	DoorGasket	1	ReplaceW/New	6	Leaking	Owner	LR,RR
4425	DoorGasket	1	ReplaceW/New	8	Missing	Owner	LR,RR
4425	DoorGasket	A	Secure	7	Loose	Owner	LR,RR
4425	DoorGasket	C	Section	14	Cut,Torn	Owner	LR,RR
4425	DoorGasket	C	Section	15	WornOut	Owner	LR,RR
4425	DoorGasket	C	Section	1	AssociatedWithRepairs	Damage	LR,RR
4425	DoorGasket	C	Section	3	Broken	Owner	LR,RR
4425	DoorGasket	C	Section	6	Leaking	Owner	LR,RR
4426	InnerDoorSeals	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
4426	InnerDoorSeals	1	ReplaceW/New	15	WornOut	Owner	LR,RR
4426	InnerDoorSeals	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4426	InnerDoorSeals	1	ReplaceW/New	3	Broken	Owner	LR,RR
4426	InnerDoorSeals	1	ReplaceW/New	6	Leaking	Owner	LR,RR
4426	InnerDoorSeals	1	ReplaceW/New	8	Missing	Owner	LR,RR
4426	InnerDoorSeals	A	Secure	7	Loose	Owner	LR,RR
4426	InnerDoorSeals	C	Section	14	Cut,Torn	Owner	LR,RR
4426	InnerDoorSeals	C	Section	15	WornOut	Owner	LR,RR
4426	InnerDoorSeals	C	Section	3	Broken	Owner	LR,RR
4426	InnerDoorSeals	C	Section	6	Leaking	Owner	LR,RR
4426	InnerDoorSeals	C	Section	8	Missing	Owner	LR,RR
4427	DoorMolding,Aluminum	1	ReplaceW/New	14	Cut,Torn	Owner	LR,RR
4427	DoorMolding,Aluminum	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4427	DoorMolding,Aluminum	1	ReplaceW/New	23	FlexCracks	Owner	LR,RR
4427	DoorMolding,Aluminum	1	ReplaceW/New	2	Bent	Owner	LR,RR
4427	DoorMolding,Aluminum	1	ReplaceW/New	3	Broken	Owner	LR,RR
4427	DoorMolding,Aluminum	1	ReplaceW/New	8	Missing	Owner	LR,RR
4427	DoorMolding,Aluminum	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4427	DoorMolding,Aluminum	8	Straighten	2	Bent	Owner	LR,RR
4427	DoorMolding,Aluminum	A	Secure	7	Loose	Owner	LR,RR
4427	DoorMolding,Aluminum	C	Section	14	Cut,Torn	Owner	LR,RR
4427	DoorMolding,Aluminum	C	Section	1	AssociatedWithRepairs	Damage	LR,RR
4427	DoorMolding,Aluminum	C	Section	23	FlexCracks	Owner	LR,RR
4427	DoorMolding,Aluminum	C	Section	2	Bent	Owner	LR,RR
4427	DoorMolding,Aluminum	C	Section	3	Broken	Owner	LR,RR
4427	DoorMolding,Aluminum	C	Section	8	Missing	Owner	LR,RR
4427	DoorMolding,Aluminum	D	Weld	18	WeldBroken	Owner	LR,RR
4427	DoorMolding,Aluminum	D	Weld	1	AssociatedWithRepairs	Damage	LR,RR
4428	LockrodGuideAssembly	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4428	LockrodGuideAssembly	1	ReplaceW/New	2	Bent	Owner	LR,RR
4428	LockrodGuideAssembly	1	ReplaceW/New	3	Broken	Owner	LR,RR
4428	LockrodGuideAssembly	1	ReplaceW/New	8	Missing	Owner	LR,RR
4428	LockrodGuideAssembly	A	Secure	7	Loose	Owner	LR,RR
4430	DoorHandle	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4430	DoorHandle	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4430	DoorHandle	1	ReplaceW/New	2	Bent	Owner	LR,RR
4430	DoorHandle	1	ReplaceW/New	3	Broken	Owner	LR,RR
4430	DoorHandle	1	ReplaceW/New	8	Missing	Owner	LR,RR

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4430	DoorHandle	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4430	DoorHandle	8	Straighten	2	Bent	Owner	LR,RR
4431	DoorHoldBack	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4431	DoorHoldBack	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4431	DoorHoldBack	1	ReplaceW/New	2	Bent	Owner	LR,RR
4431	DoorHoldBack	1	ReplaceW/New	3	Broken	Owner	LR,RR
4431	DoorHoldBack	1	ReplaceW/New	8	Missing	Owner	LR,RR
4431	DoorHoldBack	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4431	DoorHoldBack	8	Straighten	2	Bent	Owner	LR,RR
4431	DoorHoldBack	A	Secure	1	AssociatedWithRepairs	Damage	LR,RR
4431	DoorHoldBack	A	Secure	7	Loose	Owner	LR,RR
4431	DoorHoldBack	D	Weld	18	WeldBroken	Owner	LR,RR
4432	DoorHinge	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4432	DoorHinge	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4432	DoorHinge	1	ReplaceW/New	2	Bent	Damage	LR,RR
4432	DoorHinge	1	ReplaceW/New	3	Broken	Damage	LR,RR
4432	DoorHinge	1	ReplaceW/New	8	Missing	OC	LR,RR
4432	DoorHinge	8	Straighten	2	Bent	Damage	LR,RR
4432	DoorHinge	A	Secure	7	Loose	Owner	LR,RR
4432	DoorHinge	D	Weld	18	WeldBroken	Owner	LR,RR
4433	DoorHoldBackClip/Hook	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4433	DoorHoldBackClip/Hook	1	ReplaceW/New	2	Bent	Owner	LR,RR
4433	DoorHoldBackClip/Hook	1	ReplaceW/New	3	Broken	Owner	LR,RR
4433	DoorHoldBackClip/Hook	1	ReplaceW/New	8	Missing	Owner	LR,RR
4433	DoorHoldBackClip/Hook	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4433	DoorHoldBackClip/Hook	8	Straighten	2	Bent	Owner	LR,RR
4433	DoorHoldBackClip/Hook	A	Secure	7	Loose	Owner	LR,RR
4434	DoorHoldBackBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4434	DoorHoldBackBracket	1	ReplaceW/New	2	Bent	Owner	LR,RR
4434	DoorHoldBackBracket	1	ReplaceW/New	3	Broken	Owner	LR,RR
4434	DoorHoldBackBracket	1	ReplaceW/New	8	Missing	Owner	LR,RR
4434	DoorHoldBackBracket	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4434	DoorHoldBackBracket	8	Straighten	2	Bent	Owner	LR,RR
4434	DoorHoldBackBracket	A	Secure	7	Loose	Owner	LR,RR
4434	DoorHoldBackBracket	D	Weld	18	WeldBroken	Owner	LR,RR
4437	DoorCamKeeper	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4437	DoorCamKeeper	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4437	DoorCamKeeper	1	ReplaceW/New	2	Bent	Owner	LR,RR
4437	DoorCamKeeper	1	ReplaceW/New	3	Broken	Owner	LR,RR
4437	DoorCamKeeper	1	ReplaceW/New	8	Missing	Owner	LR,RR
4437	DoorCamKeeper	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4437	DoorCamKeeper	8	Straighten	2	Bent	Owner	LR,RR
4437	DoorCamKeeper	D	Weld	18	WeldBroken	Owner	LR,RR
4439	DoorHandleKeeper	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR
4439	DoorHandleKeeper	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4439	DoorHandleKeeper	1	ReplaceW/New	2	Bent	Owner	LR,RR
4439	DoorHandleKeeper	1	ReplaceW/New	3	Broken	Owner	LR,RR
4439	DoorHandleKeeper	1	ReplaceW/New	8	Missing	Owner	LR,RR
4439	DoorHandleKeeper	8	Straighten	1	AssociatedWithRepairs	Damage	LR,RR
4439	DoorHandleKeeper	8	Straighten	2	Bent	Owner	LR,RR
4439	DoorHandleKeeper	A	Secure	7	Loose	Owner	LR,RR
4441	DoorLockrod	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4441	DoorLockrod	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4441	DoorLockrod	1	ReplaceW/New	2	Bent	Damage	LR,RR
4441	DoorLockrod	1	ReplaceW/New	3	Broken	Damage	LR,RR
4441	DoorLockrod	1	ReplaceW/New	8	Missing	Damage	LR,RR
4441	DoorLockrod	8	Straighten	2	Bent	Damage	LR,RR
4444	DoorHingePin	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LR,RR

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4444	DoorHingePin	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4444	DoorHingePin	1	ReplaceW/New	2	Bent	Owner	LR,RR
4444	DoorHingePin	1	ReplaceW/New	3	Broken	Owner	LR,RR
4444	DoorHingePin	1	ReplaceW/New	8	Missing	Owner	LR,RR
4444	DoorHingePin	A	Secure	7	Loose	Owner	LR,RR
4448	DoorVent	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
4448	DoorVent	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
4448	DoorVent	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
4448	DoorVent	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
4448	DoorVent	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
4448	DoorVent	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
4448	DoorVent	A	Secure	7	Loose	Owner	LF,LR,RF,RR
4458	DoorHeader	1	ReplaceW/New	14	Cut,Torn	Damage	R
4458	DoorHeader	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
4458	DoorHeader	1	ReplaceW/New	21	Corrosion	Owner	R
4458	DoorHeader	1	ReplaceW/New	2	Bent	Damage	R
4458	DoorHeader	1	ReplaceW/New	3	Broken	Damage	R
4458	DoorHeader	8	Straighten	2	Bent	Damage	R
4458	DoorHeader	D	Weld	14	Cut,Torn	Damage	R
4458	DoorHeader	D	Weld	18	WeldBroken	Owner	R
4459	RainGutter	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
4459	RainGutter	1	ReplaceW/New	2	Bent	Owner	R
4459	RainGutter	1	ReplaceW/New	3	Broken	Owner	R
4459	RainGutter	8	Straighten	1	AssociatedWithRepairs	Damage	R
4459	RainGutter	8	Straighten	2	Bent	Owner	R
4459	RainGutter	D	Weld	18	WeldBroken	Owner	R
4464	RearDoorSill	1	ReplaceW/New	14	Cut,Torn	Damage	R
4464	RearDoorSill	1	ReplaceW/New	20	CorrectImproperRepair	Owner	R
4464	RearDoorSill	1	ReplaceW/New	23	FlexCracks	Owner	R
4464	RearDoorSill	1	ReplaceW/New	2	Bent	Damage	R
4464	RearDoorSill	1	ReplaceW/New	3	Broken	Damage	R
4464	RearDoorSill	8	Straighten	2	Bent	Damage	R
4464	RearDoorSill	D	Weld	14	Cut,Torn	Damage	R
4464	RearDoorSill	D	Weld	18	WeldBroken	Owner	R
4464	RearDoorSill	D	Weld	23	FlexCracks	Owner	R
4520	RoofBow	1	ReplaceW/New	14	Cut,Torn	Owner	TF,TC,TR
4520	RoofBow	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	TF,TC,TR
4520	RoofBow	1	ReplaceW/New	20	CorrectImproperRepair	Owner	TF,TC,TR
4520	RoofBow	1	ReplaceW/New	2	Bent	Owner	TF,TC,TR
4520	RoofBow	1	ReplaceW/New	3	Broken	Owner	TF,TC,TR
4520	RoofBow	1	ReplaceW/New	8	Missing	Owner	TF,TC,TR
4520	RoofBow	8	Straighten	1	AssociatedWithRepairs	Damage	TF,TC,TR
4520	RoofBow	8	Straighten	2	Bent	Owner	TF,TC,TR
4520	RoofBow	A	Secure	1	AssociatedWithRepairs	Damage	TC,TF,TR
4520	RoofBow	A	Secure	7	Loose	Owner	TF,TC,TR
4521	RoofBow,Steel	1	ReplaceW/New	14	Cut,Torn	Owner	TF,TC,TR
4521	RoofBow,Steel	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	TF,TC,TR
4521	RoofBow,Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	TF,TC,TR
4521	RoofBow,Steel	1	ReplaceW/New	2	Bent	Owner	TF,TC,TR
4521	RoofBow,Steel	1	ReplaceW/New	3	Broken	Owner	TF,TC,TR
4521	RoofBow,Steel	1	ReplaceW/New	8	Missing	Owner	TF,TC,TR
4521	RoofBow,Steel	8	Straighten	1	AssociatedWithRepairs	Damage	TF,TC,TR
4521	RoofBow,Steel	8	Straighten	2	Bent	Owner	TF,TC,TR
4521	RoofBow,Steel	A	Secure	7	Loose	Owner	TF,TC,TR
4535	TarpBow	1	ReplaceW/New	14	Cut,Torn	Owner	TF,TC,TR
4535	TarpBow	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	TF,TC,TR
4535	TarpBow	1	ReplaceW/New	2	Bent	Owner	TF,TC,TR
4535	TarpBow	1	ReplaceW/New	3	Broken	Owner	TF,TC,TR

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4535	TarpBow	1	ReplaceW/New	8	Missing	Damage	TF,TC,TR
4535	TarpBow	8	Straighten	1	AssociatedWithRepairs	Damage	TF,TC,TR
4535	TarpBow	8	Straighten	2	Bent	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	0	TemporaryRepair	14	Cut,Torn	HandlingLine	TF,TC,TR
4551	RoofSheet-Aluminum	0	TemporaryRepair	23	FlexCracks	HandlingLine	TF,TC,TR
4551	RoofSheet-Aluminum	0	TemporaryRepair	7	Loose	HandlingLine	TF,TC,TR
4551	RoofSheet-Aluminum	1	ReplaceW/New	14	Cut,Torn	Damage	TF,TC,TR
4551	RoofSheet-Aluminum	1	ReplaceW/New	20	CorrectImproperRepair	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	1	ReplaceW/New	23	FlexCracks	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	1	ReplaceW/New	2	Bent	Damage	TF,TC,TR
4551	RoofSheet-Aluminum	8	Straighten	2	Bent	Damage	TF,TC,TR
4551	RoofSheet-Aluminum	9	Seal	6	Leaking	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	A	Secure	7	Loose	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	E	Patch,BuckRivets	14	Cut,Torn	Damage	TF,TC,TR
4551	RoofSheet-Aluminum	E	Patch,BuckRivets	20	CorrectImproperRepair	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	E	Patch,BuckRivets	23	FlexCracks	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	E	Patch,BuckRivets	6	Leaking	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	F	Patch,SSPopRivets	14	Cut,Torn	Damage	TF,TC,TR
4551	RoofSheet-Aluminum	F	Patch,SSPopRivets	23	FlexCracks	Owner	TF,TC,TR
4551	RoofSheet-Aluminum	G	Section,BuckRivets	14	Cut,Torn	Damage	TF,TC,TR
4551	RoofSheet-Aluminum	G	Section,BuckRivets	20	CorrectImproperRepair	Owner	TC,TF,TR
4551	RoofSheet-Aluminum	G	Section,BuckRivets	23	FlexCracks	Owner	TF,TC,TR
4553	Roof,SteelRoofPanel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	TC,TF,TR
4553	Roof,SteelRoofPanel	0	TemporaryRepair	23	FlexCracks	HandlingLine	TC,TF,TR
4553	Roof,SteelRoofPanel	1	ReplaceW/New	14	Cut,Torn	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	1	ReplaceW/New	21	Corrosion	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	1	ReplaceW/New	2	Bent	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	1	ReplaceW/New	3	Broken	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	8	Straighten	20	CorrectImproperRepair	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	8	Straighten	2	Bent	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	B	Patch	14	Cut,Torn	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	B	Patch	20	CorrectImproperRepair	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	C	Section	14	Cut,Torn	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	C	Section	20	CorrectImproperRepair	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	C	Section	21	Corrosion	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	C	Section	23	FlexCracks	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	C	Section	2	Bent	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	D	Weld	14	Cut,Torn	Damage	TC,TF,TR
4553	Roof,SteelRoofPanel	D	Weld	18	WeldBroken	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	H	Overlay	14	Cut,Torn	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	H	Overlay	21	Corrosion	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	I	Insert	14	Cut,Torn	Owner	TC,TF,TR
4553	Roof,SteelRoofPanel	I	Insert	21	Corrosion	Owner	TC,TF,TR
4586	Tarp,Permanent	1	ReplaceW/New	14	Cut,Torn	Owner	T
4586	Tarp,Permanent	1	ReplaceW/New	22	Rotted	Owner	T
4586	Tarp,Permanent	1	ReplaceW/New	8	Missing	Owner	T
4586	Tarp,Permanent	A	Secure	7	Loose	Owner	T
4586	Tarp,Permanent	B	Patch	14	Cut,Torn	Owner	T
4586	Tarp,Permanent	B	Patch	22	Rotted	Owner	T
4612	SideVent	1	ReplaceW/New	3	Broken	Owner	RSR,RSR,LSF,LSR
4612	SideVent	1	ReplaceW/New	8	Missing	Owner	RSR,RSR,LSF,LSR
4612	SideVent	A	Secure	7	Loose	Owner	RSR,RSR,LSF,LSR
4613	SidePanel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	0	TemporaryRepair	23	FlexCracks	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	0	TemporaryRepair	7	Loose	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	1	ReplaceW/New	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR

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4613	SidePanel	1	ReplaceW/New	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	8	Straighten	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	9	Seal	6	Leaking	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	A	Secure	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	E	Patch,BuckRivets	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	E	Patch,BuckRivets	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4613	SidePanel	E	Patch,BuckRivets	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	F	Patch,SSPopRivets	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	F	Patch,SSPopRivets	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	G	Section,BuckRivets	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4613	SidePanel	G	Section,BuckRivets	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4613	SidePanel	G	Section,BuckRivets	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4616	SidePanel,GalvanizedSteel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	1	ReplaceW/New	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	1	ReplaceW/New	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	1	ReplaceW/New	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	8	Straighten	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	A	Secure	7	Loose	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	B	Patch	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	H	Overlay	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	H	Overlay	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	H	Overlay	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	I	Insert	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	I	Insert	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4616	SidePanel,GalvanizedSteel	I	Insert	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	1	ReplaceW/New	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	1	ReplaceW/New	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	1	ReplaceW/New	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	1	ReplaceW/New	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	8	Straighten	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	8	Straighten	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	C	Section	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	D	Weld	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	D	Weld	18	WeldBroken	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	D	Weld	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	D	Weld	23	FlexCracks	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	H	Overlay	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	H	Overlay	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	H	Overlay	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	H	Overlay	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4618	SidePanel,Steel	I	Insert	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4621	StarterPost	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	0	TemporaryRepair	3	Broken	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	1	ReplaceW/New	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4621	StarterPost	1	ReplaceW/New	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	1	ReplaceW/New	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	1	ReplaceW/New	8	Missing	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	8	Straighten	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4621	StarterPost	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	0	TemporaryRepair	3	Broken	HandlingLine	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	1	ReplaceW/New	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR

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4622	SidePost	1	ReplaceW/New	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	1	ReplaceW/New	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	1	ReplaceW/New	8	Missing	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	8	Straighten	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	A	Secure	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	H	Overlay	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4622	SidePost	H	Overlay	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4622	SidePost	H	Overlay	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4629	DoorPost	1	ReplaceW/New	14	Cut,Torn	Damage	LR,RR
4629	DoorPost	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4629	DoorPost	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4629	DoorPost	1	ReplaceW/New	23	FlexCracks	Owner	LR,RR
4629	DoorPost	1	ReplaceW/New	2	Bent	Damage	LR,RR
4629	DoorPost	1	ReplaceW/New	3	Broken	Damage	LR,RR
4629	DoorPost	8	Straighten	2	Bent	Damage	LR,RR
4629	DoorPost	C	Section	14	Cut,Torn	Damage	LR,RR
4629	DoorPost	C	Section	20	CorrectImproperRepair	Owner	LR,RR
4629	DoorPost	C	Section	2	Bent	Damage	LR,RR
4629	DoorPost	C	Section	3	Broken	Damage	LR,RR
4629	DoorPost	D	Weld	14	Cut,Torn	Damage	LR,RR
4629	DoorPost	D	Weld	18	WeldBroken	Owner	LR,RR
4629	DoorPost	D	Weld	23	FlexCracks	Owner	LR,RR
4630	JBar	1	ReplaceW/New	14	Cut,Torn	Damage	LR,RR
4630	JBar	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LR,RR
4630	JBar	1	ReplaceW/New	21	Corrosion	Owner	LR,RR
4630	JBar	1	ReplaceW/New	2	Bent	Damage	LR,RR
4630	JBar	1	ReplaceW/New	3	Broken	Damage	LR,RR
4630	JBar	8	Straighten	2	Bent	Damage	LR,RR
4630	JBar	A	Secure	7	Loose	Owner	LR,RR
4630	JBar	C	Section	20	CorrectImproperRepair	Owner	LR,RR
4630	JBar	C	Section	2	Bent	Damage	LR,RR
4630	JBar	C	Section	3	Broken	Damage	LR,RR
4704	ManifestBox	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,LS,RS
4704	ManifestBox	1	ReplaceW/New	15	WornOut	Owner	F,R,LS,RS
4704	ManifestBox	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LS,RS
4704	ManifestBox	1	ReplaceW/New	2	Bent	Owner	F,R,LS,RS
4704	ManifestBox	1	ReplaceW/New	3	Broken	Owner	F,R,LS,RS
4704	ManifestBox	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
4704	ManifestBox	8	Straighten	1	AssociatedWithRepairs	Damage	F,R,LS,RS
4704	ManifestBox	8	Straighten	2	Bent	Owner	F,R,LS,RS
4704	ManifestBox	A	Secure	7	Loose	Owner	F,R,LS,RS
4706	RecessedPanel(Gladhand)	1	ReplaceW/New	14	Cut,Torn	Damage	F
4706	RecessedPanel(Gladhand)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4706	RecessedPanel(Gladhand)	1	ReplaceW/New	2	Bent	Damage	F
4706	RecessedPanel(Gladhand)	1	ReplaceW/New	3	Broken	Damage	F
4706	RecessedPanel(Gladhand)	8	Straighten	2	Bent	Damage	F
4706	RecessedPanel(Gladhand)	9	Seal	6	Leaking	Owner	F
4706	RecessedPanel(Gladhand)	A	Secure	7	Loose	Owner	F
4707	RecessedPanel(Manifest)	1	ReplaceW/New	14	Cut,Torn	Damage	F
4707	RecessedPanel(Manifest)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4707	RecessedPanel(Manifest)	1	ReplaceW/New	2	Bent	Damage	F
4707	RecessedPanel(Manifest)	1	ReplaceW/New	3	Broken	Damage	F
4707	RecessedPanel(Manifest)	8	Straighten	2	Bent	Damage	F
4707	RecessedPanel(Manifest)	9	Seal	6	Leaking	Owner	F
4707	RecessedPanel(Manifest)	A	Secure	7	Loose	Owner	F
4718	CornerCap	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LF,RF
4718	CornerCap	0	TemporaryRepair	3	Broken	HandlingLine	LF,RF

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4718	CornerCap	1	ReplaceW/New	14	Cut,Torn	Damage	LF,RF
4718	CornerCap	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,RF
4718	CornerCap	1	ReplaceW/New	23	FlexCracks	Owner	LF,RF
4718	CornerCap	1	ReplaceW/New	2	Bent	Damage	LF,RF
4718	CornerCap	1	ReplaceW/New	3	Broken	Damage	LF,RF
4718	CornerCap	1	ReplaceW/New	8	Missing	Damage	LF,RF
4718	CornerCap	8	Straighten	2	Bent	Damage	LF,RF
4718	CornerCap	9	Seal	6	Leaking	Owner	LF,RF
4718	CornerCap	A	Secure	7	Loose	Owner	LF,RF
4718	CornerCap	D	Weld	14	Cut,Torn	Damage	LF,RF
4718	CornerCap	D	Weld	18	WeldBroken	Owner	LF,RF
4718	CornerCap	D	Weld	23	FlexCracks	Owner	LF,RF
4724	Registration/PermitHolder	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,LS,RS
4724	Registration/PermitHolder	1	ReplaceW/New	15	WornOut	Owner	F,R,LS,RS
4724	Registration/PermitHolder	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R,LS,RS
4724	Registration/PermitHolder	1	ReplaceW/New	2	Bent	Owner	F,R,LS,RS
4724	Registration/PermitHolder	1	ReplaceW/New	3	Broken	Owner	F,R,LS,RS
4724	Registration/PermitHolder	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
4724	Registration/PermitHolder	A	Secure	7	Loose	Owner	F,R,LS,RS
4730	NosePanel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	F
4730	NosePanel	1	ReplaceW/New	14	Cut,Torn	Damage	F
4730	NosePanel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4730	NosePanel	1	ReplaceW/New	23	FlexCracks	Owner	F
4730	NosePanel	1	ReplaceW/New	2	Bent	Damage	F
4730	NosePanel	8	Straighten	2	Bent	Damage	F
4730	NosePanel	9	Seal	23	FlexCracks	Owner	F
4730	NosePanel	9	Seal	6	Leaking	Owner	F
4730	NosePanel	A	Secure	7	Loose	Owner	F
4730	NosePanel	E	Patch,BuckRivets	14	Cut,Torn	Damage	F
4730	NosePanel	E	Patch,BuckRivets	20	CorrectImproperRepair	Owner	F
4730	NosePanel	E	Patch,BuckRivets	23	FlexCracks	Owner	F
4730	NosePanel	F	Patch,SSPopRivets	14	Cut,Torn	Damage	F
4730	NosePanel	F	Patch,SSPopRivets	20	CorrectImproperRepair	Owner	F
4730	NosePanel	F	Patch,SSPopRivets	23	FlexCracks	Owner	F
4730	NosePanel	G	Section,BuckRivets	14	Cut,Torn	Damage	F
4730	NosePanel	G	Section,BuckRivets	20	CorrectImproperRepair	Owner	F
4730	NosePanel	G	Section,BuckRivets	23	FlexCracks	Owner	F
4730	NosePanel, GalvanizedSteel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	F
4733	NosePanel, GalvanizedSteel	1	ReplaceW/New	14	Cut,Torn	Damage	F
4733	NosePanel, GalvanizedSteel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4733	NosePanel, GalvanizedSteel	1	ReplaceW/New	2	Bent	Damage	F
4733	NosePanel, GalvanizedSteel	1	ReplaceW/New	3	Broken	Damage	F
4733	NosePanel, GalvanizedSteel	8	Straighten	2	Bent	Damage	F
4733	NosePanel, GalvanizedSteel	9	Seal	6	Leaking	Owner	F
4733	NosePanel, GalvanizedSteel	A	Secure	7	Loose	Owner	F
4733	NosePanel, GalvanizedSteel	B	Patch	14	Cut,Torn	Damage	F
4733	NosePanel, GalvanizedSteel	B	Patch	20	CorrectImproperRepair	Owner	F
4733	NosePanel, GalvanizedSteel	H	Overlay	14	Cut,Torn	Damage	F
4733	NosePanel, GalvanizedSteel	H	Overlay	20	CorrectImproperRepair	Owner	F
4733	NosePanel, GalvanizedSteel	I	Insert	14	Cut,Torn	Damage	F
4733	NosePanel, GalvanizedSteel	I	Insert	20	CorrectImproperRepair	Owner	F
4734	NosePanel, Steel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	F
4734	NosePanel, Steel	1	ReplaceW/New	14	Cut,Torn	Damage	F
4734	NosePanel, Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4734	NosePanel, Steel	1	ReplaceW/New	21	Corrosion	Owner	F
4734	NosePanel, Steel	1	ReplaceW/New	2	Bent	Damage	F
4734	NosePanel, Steel	1	ReplaceW/New	3	Broken	Damage	F
4734	NosePanel, Steel	8	Straighten	2	Bent	Damage	F

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4734	NosePanel,Steel	C	Section	21	Corrosion	Owner	F
4734	NosePanel,Steel	D	Weld	14	Cut,Torn	Damage	F
4734	NosePanel,Steel	D	Weld	18	WeldBroken	Owner	F
4734	NosePanel,Steel	H	Overlay	14	Cut,Torn	Damage	F
4734	NosePanel,Steel	H	Overlay	20	CorrectImproperRepair	Owner	F
4734	NosePanel,Steel	H	Overlay	21	Corrosion	Owner	F
4734	NosePanel,Steel	I	Insert	14	Cut,Torn	Damage	F
4734	NosePanel,Steel	I	Insert	20	CorrectImproperRepair	Owner	F
4734	NosePanel,Steel	I	Insert	21	Corrosion	Owner	F
4736	RadiusPanel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LF,RF
4736	RadiusPanel	1	ReplaceW/New	14	Cut,Torn	Damage	LF,RF
4736	RadiusPanel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,RF
4736	RadiusPanel	1	ReplaceW/New	23	FlexCracks	Owner	LF,RF
4736	RadiusPanel	1	ReplaceW/New	2	Bent	Damage	LF,RF
4736	RadiusPanel	8	Straighten	2	Bent	Damage	LF,RF
4736	RadiusPanel	9	Seal	6	Leaking	Owner	LF,RF
4736	RadiusPanel	A	Secure	7	Loose	Owner	LF,RF
4736	RadiusPanel	F	Patch,SSPopRivets	14	Cut,Torn	Damage	LF,RF
4736	RadiusPanel	F	Patch,SSPopRivets	23	FlexCracks	Owner	LF,RF
4736	RadiusPanel	G	Section,BuckRivets	14	Cut,Torn	Damage	LF,RF
4736	RadiusPanel	G	Section,BuckRivets	20	CorrectImproperRepair	Owner	LF,RF
4736	RadiusPanel	G	Section,BuckRivets	23	FlexCracks	Owner	LF,RF
4742	Bulkhead	0	TemporaryRepair	14	Cut,Torn	HandlingLine	F
4742	Bulkhead	1	ReplaceW/New	14	Cut,Torn	Damage	F
4742	Bulkhead	1	ReplaceW/New	23	FlexCracks	Owner	F
4742	Bulkhead	1	ReplaceW/New	2	Bent	Damage	F
4742	Bulkhead	1	ReplaceW/New	3	Broken	Damage	F
4742	Bulkhead	8	Straighten	2	Bent	Damage	F
4742	Bulkhead	9	Seal	6	Leaking	Owner	F
4742	Bulkhead	B	Patch	14	Cut,Torn	Damage	F
4742	Bulkhead	B	Patch	23	FlexCracks	Owner	F
4742	Bulkhead	B	Patch	3	Broken	Damage	F
4742	Bulkhead	C	Section	14	Cut,Torn	Damage	F
4742	Bulkhead	C	Section	23	FlexCracks	Owner	F
4742	Bulkhead	C	Section	2	Bent	Damage	F
4742	Bulkhead	C	Section	3	Broken	Damage	F
4742	Bulkhead	D	Weld	14	Cut,Torn	Damage	F
4742	Bulkhead	D	Weld	18	WeldBroken	Owner	F
4742	Bulkhead	D	Weld	23	FlexCracks	Owner	F
4748	CornerPost	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LF,RF
4748	CornerPost	1	ReplaceW/New	14	Cut,Torn	Damage	LF,RF
4748	CornerPost	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,RF
4748	CornerPost	1	ReplaceW/New	23	FlexCracks	Owner	LF,RF
4748	CornerPost	1	ReplaceW/New	2	Bent	Damage	LF,RF
4748	CornerPost	1	ReplaceW/New	3	Broken	Damage	LF,RF
4748	CornerPost	8	Straighten	2	Bent	Damage	LF,RF
4748	CornerPost	A	Secure	7	Loose	Owner	LF,RF
4748	CornerPost	B	Patch	14	Cut,Torn	Damage	LF,RF
4748	CornerPost	B	Patch	23	FlexCracks	Owner	LF,RF
4748	CornerPost	C	Section	14	Cut,Torn	Damage	LF,RF
4748	CornerPost	C	Section	20	CorrectImproperRepair	Owner	LF,RF
4748	CornerPost	C	Section	23	FlexCracks	Owner	LF,RF
4748	CornerPost	C	Section	2	Bent	Damage	LF,RF
4748	CornerPost	C	Section	3	Broken	Damage	LF,RF
4748	CornerPost	D	Weld	14	Cut,Torn	Damage	LF,RF
4748	CornerPost	D	Weld	18	WeldBroken	Owner	LF,RF
4748	CornerPost	D	Weld	20	CorrectImproperRepair	Owner	LF,RF
4748	CornerPost	D	Weld	23	FlexCracks	Owner	LF,RF

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4750	CornerPost,Steel	0	TemporaryRepair	14	Cut,Torn	HandlingLine	LF,RF
4750	CornerPost,Steel	1	ReplaceW/New	14	Cut,Torn	Damage	LF,RF
4750	CornerPost,Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,RF
4750	CornerPost,Steel	1	ReplaceW/New	23	FlexCracks	Owner	LF,RF
4750	CornerPost,Steel	1	ReplaceW/New	2	Bent	Damage	LF,RF
4750	CornerPost,Steel	1	ReplaceW/New	3	Broken	Damage	LF,RF
4750	CornerPost,Steel	8	Straighten	2	Bent	Damage	LF,RF
4750	CornerPost,Steel	A	Secure	7	Loose	Owner	LF,RF
4750	CornerPost,Steel	B	Patch	14	Cut,Torn	Damage	LF,RF
4750	CornerPost,Steel	B	Patch	23	FlexCracks	Owner	LF,RF
4750	CornerPost,Steel	C	Section	14	Cut,Torn	Damage	LF,RF
4750	CornerPost,Steel	C	Section	20	CorrectImproperRepair	Owner	LF,RF
4750	CornerPost,Steel	C	Section	23	FlexCracks	Owner	LF,RF
4750	CornerPost,Steel	C	Section	2	Bent	Damage	LF,RF
4750	CornerPost,Steel	C	Section	3	Broken	Damage	LF,RF
4750	CornerPost,Steel	D	Weld	14	Cut,Torn	Damage	LF,RF
4750	CornerPost,Steel	D	Weld	18	WeldBroken	Owner	LF,RF
4750	CornerPost,Steel	D	Weld	20	CorrectImproperRepair	Owner	LF,RF
4750	CornerPost,Steel	D	Weld	23	FlexCracks	Owner	LF,RF
4752	NosePost(alum)	1	ReplaceW/New	14	Cut,Torn	Damage	F
4752	NosePost(alum)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4752	NosePost(alum)	1	ReplaceW/New	2	Bent	Damage	F
4752	NosePost(alum)	1	ReplaceW/New	3	Broken	Damage	F
4752	NosePost(alum)	8	Straighten	2	Bent	Damage	F
4752	NosePost(alum)	A	Secure	7	Loose	Owner	F
4752	NosePost(alum)	H	Overlay	14	Cut,Torn	Damage	F
4752	NosePost(alum)	H	Overlay	20	CorrectImproperRepair	Owner	F
4752	NosePost(alum)	H	Overlay	3	Broken	Damage	F
4753	NosePost,GalvanizedSteel	1	ReplaceW/New	2	Bent	Damage	F
4753	NosePost,GalvanizedSteel	1	ReplaceW/New	3	Broken	Damage	F
4753	NosePost,GalvanizedSteel	H	Overlay	14	Cut,Torn	Damage	F
4753	NosePost,GalvanizedSteel	H	Overlay	20	CorrectImproperRepair	Owner	F
4753	NosePost,GalvanizedSteel	H	Overlay	3	Broken	Damage	F
4753	NosePost,GalvanizedSteel	I	Insert	14	Cut,Torn	Damage	F
4753	NosePost,GalvanizedSteel	I	Insert	20	CorrectImproperRepair	Owner	F
4753	NosePost,GalvanizedSteel	I	Insert	3	Broken	Damage	F
4762	NoseRail,Straight	0	TemporaryRepair	14	Cut,Torn	HandlingLine	F
4762	NoseRail,Straight	1	ReplaceW/New	14	Cut,Torn	Damage	F
4762	NoseRail,Straight	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4762	NoseRail,Straight	1	ReplaceW/New	2	Bent	Damage	F
4762	NoseRail,Straight	1	ReplaceW/New	3	Broken	Damage	F
4762	NoseRail,Straight	8	Straighten	2	Bent	Damage	F
4762	NoseRail,Straight	9	Seal	6	Leaking	Owner	F
4762	NoseRail,Straight	A	Secure	7	Loose	Owner	F
4762	NoseRail,Straight	D	Weld	14	Cut,Torn	Damage	F
4762	NoseRail,Straight	D	Weld	20	CorrectImproperRepair	Owner	F
4763	NoseRail,WrapAround	0	TemporaryRepair	14	Cut,Torn	HandlingLine	F
4763	NoseRail,WrapAround	1	ReplaceW/New	14	Cut,Torn	Damage	F
4763	NoseRail,WrapAround	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4763	NoseRail,WrapAround	1	ReplaceW/New	2	Bent	Damage	F
4763	NoseRail,WrapAround	1	ReplaceW/New	3	Broken	Damage	F
4763	NoseRail,WrapAround	8	Straighten	2	Bent	Damage	F
4763	NoseRail,WrapAround	9	Seal	6	Leaking	Owner	F
4763	NoseRail,WrapAround	A	Secure	7	Loose	Owner	F
4763	NoseRail,WrapAround	D	Weld	14	Cut,Torn	Damage	F
4763	NoseRail,WrapAround	D	Weld	20	CorrectImproperRepair	Owner	F
4768	NosePostLiner(Metal)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F
4768	NosePostLiner(Metal)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F

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4768	NosePostLiner(Metal)	1	ReplaceW/New	2	Bent	Damage	F
4768	NosePostLiner(Metal)	1	ReplaceW/New	3	Broken	Owner	F
4768	NosePostLiner(Metal)	8	Straighten	1	AssociatedWithRepairs	Damage	F
4768	NosePostLiner(Metal)	8	Straighten	2	Bent	Damage	F
4768	NosePostLiner(Metal)	A	Secure	7	Loose	Owner	F
4769	RadiusLiner	1	ReplaceW/New	14	Cut,Torn	Owner	LF,RF
4769	RadiusLiner	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,RF
4769	RadiusLiner	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,RF
4769	RadiusLiner	1	ReplaceW/New	2	Bent	Owner	LF,RF
4769	RadiusLiner	1	ReplaceW/New	3	Broken	Owner	LF,RF
4769	RadiusLiner	8	Straighten	1	AssociatedWithRepairs	Damage	LF,RF
4769	RadiusLiner	8	Straighten	2	Bent	Owner	LF,RF
4769	RadiusLiner	A	Secure	7	Loose	Owner	LF,RF
4805	FloorChannel	1	ReplaceW/New	14	Cut,Torn	Owner	
4805	FloorChannel	1	ReplaceW/New	15	WornOut	Owner	
4805	FloorChannel	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	
4805	FloorChannel	1	ReplaceW/New	2	Bent	Owner	
4805	FloorChannel	1	ReplaceW/New	3	Broken	Owner	
4805	FloorChannel	1	ReplaceW/New	8	Missing	Owner	
4805	FloorChannel	8	Straighten	1	AssociatedWithRepairs	Damage	
4805	FloorChannel	8	Straighten	2	Bent	Owner	
4805	FloorChannel	A	Secure	7	Loose	Owner	
4805	FloorChannel	C	Section	1	AssociatedWithRepairs	Damage	
4805	FloorChannel	C	Section	14	Cut,Torn	Owner	
4805	FloorChannel	C	Section	15	WornOut	Owner	
4805	FloorChannel	C	Section	2	Bent	Owner	
4805	FloorChannel	C	Section	3	Broken	Owner	
4805	FloorChannel	D	Weld	14	Cut,Torn	Owner	
4811	Flooring	1	ReplaceW/New	14	Cut,Torn	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	1	ReplaceW/New	23	FlexCracks	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	1	ReplaceW/New	2	Bent	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	1	ReplaceW/New	3	Broken	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	1	ReplaceW/New	8	Missing	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	A	Secure	1	AssociatedWithRepairs	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	A	Secure	7	Loose	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	B	Patch	1	AssociatedWithRepairs	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	B	Patch	14	Cut,Torn	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	B	Patch	23	FlexCracks	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	B	Patch	3	Broken	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	C	Section	1	AssociatedWithRepairs	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	C	Section	14	Cut,Torn	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	C	Section	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	C	Section	23	FlexCracks	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4811	Flooring	C	Section	3	Broken	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4846	ThresholdPlate	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	R
4846	ThresholdPlate	1	ReplaceW/New	14	Cut,Torn	Owner	R
4846	ThresholdPlate	1	ReplaceW/New	23	FlexCracks	Owner	R
4846	ThresholdPlate	1	ReplaceW/New	2	Bent	Owner	R
4846	ThresholdPlate	1	ReplaceW/New	3	Broken	Owner	R
4846	ThresholdPlate	1	ReplaceW/New	8	Missing	Owner	R
4846	ThresholdPlate	8	Straighten	1	AssociatedWithRepairs	Damage	R
4846	ThresholdPlate	8	Straighten	2	Bent	Owner	R
4846	ThresholdPlate	A	Secure	7	Loose	Owner	R
4846	ThresholdPlate	C	Section	1	AssociatedWithRepairs	Damage	R
4846	ThresholdPlate	C	Section	14	Cut,Torn	Owner	R
4846	ThresholdPlate	C	Section	2	Bent	Owner	R

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4846	ThresholdPlate	C	Section	3	Broken	Owner	R
4846	ThresholdPlate	D	Weld	14	Cut,Torn	Owner	R
4846	ThresholdPlate	D	Weld	18	WeldBroken	Owner	R
4846	ThresholdPlate	D	Weld	23	FlexCracks	Owner	R
4852	FloorLoadRetainer	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	I
4852	FloorLoadRetainer	1	ReplaceW/New	2	Bent	Owner	I
4852	FloorLoadRetainer	1	ReplaceW/New	3	Broken	Owner	I
4852	FloorLoadRetainer	1	ReplaceW/New	8	Missing	Owner	I
4852	FloorLoadRetainer	8	Straighten	1	AssociatedWithRepairs	Damage	I
4852	FloorLoadRetainer	8	Straighten	2	Bent	Owner	I
4852	FloorLoadRetainer	A	Secure	7	Loose	Owner	I
4854	FloorTieDownRing	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	I
4854	FloorTieDownRing	1	ReplaceW/New	2	Bent	Owner	I
4854	FloorTieDownRing	1	ReplaceW/New	3	Broken	Owner	I
4854	FloorTieDownRing	1	ReplaceW/New	8	Missing	Owner	I
4854	FloorTieDownRing	A	Secure	7	Loose	Owner	I
4908	FrontSill	1	ReplaceW/New	14	Cut,Torn	Damage	F
4908	FrontSill	1	ReplaceW/New	2	Bent	Damage	F
4908	FrontSill	1	ReplaceW/New	3	Broken	Damage	F
4908	FrontSill	1	ReplaceW/New	8	Missing	Damage	F
4908	FrontSill	8	Straighten	2	Bent	Damage	F
4908	FrontSill	A	Secure	7	Loose	Owner	F
4908	FrontSill	C	Section	14	Cut,Torn	Damage	F
4908	FrontSill	C	Section	2	Bent	Damage	F
4908	FrontSill	C	Section	3	Broken	Damage	F
4909	ClosureRail(lowernoserail)	1	ReplaceW/New	14	Cut,Torn	Damage	F
4909	ClosureRail(lowernoserail)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F
4909	ClosureRail(lowernoserail)	1	ReplaceW/New	2	Bent	Damage	F
4909	ClosureRail(lowernoserail)	1	ReplaceW/New	3	Broken	Damage	F
4909	ClosureRail(lowernoserail)	1	ReplaceW/New	8	Missing	Damage	F
4909	ClosureRail(lowernoserail)	8	Straighten	2	Bent	Damage	F
4909	ClosureRail(lowernoserail)	A	Secure	7	Loose	Owner	F
4909	ClosureRail(lowernoserail)	C	Section	14	Cut,Torn	Damage	F
4909	ClosureRail(lowernoserail)	C	Section	20	CorrectImproperRepair	Owner	F
4909	ClosureRail(lowernoserail)	C	Section	2	Bent	Damage	F
4909	ClosureRail(lowernoserail)	C	Section	3	Broken	Damage	F
4910	TopRail	1	ReplaceW/New	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	1	ReplaceW/New	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	1	ReplaceW/New	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	1	ReplaceW/New	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	1	ReplaceW/New	8	Missing	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	8	Straighten	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4910	TopRail	C	Section	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4910	TopRail	C	Section	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4910	TopRail	C	Section	23	FlexCracks	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4910	TopRail	C	Section	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4910	TopRail	C	Section	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	1	ReplaceW/New	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	1	ReplaceW/New	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	1	ReplaceW/New	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	1	ReplaceW/New	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	8	Straighten	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	C	Section	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	C	Section	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	C	Section	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR

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4911	TopRail,Steel	C	Section	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	D	Weld	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4911	TopRail,Steel	D	Weld	18	WeldBroken	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4918	TopRailProtector	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	1	ReplaceW/New	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	1	ReplaceW/New	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	8	Straighten	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	8	Straighten	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	A	Secure	1	AssociatedWithRepairs	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4918	TopRailProtector	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	C	Section	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	C	Section	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	C	Section	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	C	Section	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4918	TopRailProtector	C	Section	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	21	Corrosion	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	1	ReplaceW/New	8	Missing	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	8	Straighten	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	C	Section	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4960	BottomRail	C	Section	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4960	BottomRail	C	Section	23	FlexCracks	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4960	BottomRail	C	Section	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4960	BottomRail	C	Section	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4960	BottomRail	H	Overlay	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	H	Overlay	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	H	Overlay	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4960	BottomRail	H	Overlay	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4961	BottomRail,Steel	1	ReplaceW/New	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	1	ReplaceW/New	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	1	ReplaceW/New	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	1	ReplaceW/New	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	8	Straighten	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	C	Section	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	C	Section	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	C	Section	21	Corrosion	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	C	Section	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	D	Weld	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	D	Weld	18	WeldBroken	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	H	Overlay	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	H	Overlay	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	H	Overlay	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	H	Overlay	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	I	Insert	14	Cut,Torn	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	I	Insert	20	CorrectImproperRepair	Owner	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	I	Insert	2	Bent	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4961	BottomRail,Steel	I	Insert	3	Broken	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4970	LiftPad	1	ReplaceW/New	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR

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4970	LiftPad	1	ReplaceW/New	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	8	Straighten	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	8	Straighten	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	A	Secure	1	AssociatedWithRepairs	Damage	LSC,LSF,LSR,RSC,RSF,RSR
4970	LiftPad	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	D	Weld	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	D	Weld	18	WeldBroken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
4970	LiftPad	D	Weld	1	AssociatedWithRepairs	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5001	ChassisBolster	1	ReplaceW/New	14	Cut,Torn	Damage	F,R
5001	ChassisBolster	1	ReplaceW/New	20	CorrectImproperRepair	Owner	F,R
5001	ChassisBolster	1	ReplaceW/New	21	Corrosion	Owner	F,R
5001	ChassisBolster	1	ReplaceW/New	23	FlexCracks	Owner	F,R
5001	ChassisBolster	1	ReplaceW/New	2	Bent	Damage	F,R
5001	ChassisBolster	1	ReplaceW/New	3	Broken	Damage	F,R
5001	ChassisBolster	8	Straighten	2	Bent	Damage	LF,LR,RF,RR
5001	ChassisBolster	C	Section	14	Cut,Torn	Damage	LF,LR,RF,RR
5001	ChassisBolster	C	Section	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5001	ChassisBolster	C	Section	21	Corrosion	Owner	LF,LR,RF,RR
5001	ChassisBolster	C	Section	23	FlexCracks	Owner	LF,LR,RF,RR
5001	ChassisBolster	C	Section	2	Bent	Damage	LF,LR,RF,RR
5001	ChassisBolster	C	Section	3	Broken	Damage	LF,LR,RF,RR
5001	ChassisBolster	D	Weld	14	Cut,Torn	Damage	LF,LR,RF,RR
5001	ChassisBolster	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5001	ChassisBolster	D	Weld	23	FlexCracks	Owner	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	14	Cut,Torn	Owner	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	23	FlexCracks	Owner	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5002	BolsterGusset	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5002	BolsterGusset	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5002	BolsterGusset	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5002	BolsterGusset	D	Weld	14	Cut,Torn	Owner	LF,LR,RF,RR
5002	BolsterGusset	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5002	BolsterGusset	D	Weld	23	FlexCracks	Owner	LF,LR,RF,RR
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,RF
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	14	Cut,Torn	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	23	FlexCracks	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	2	Bent	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	3	Broken	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	1	ReplaceW/New	8	Missing	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	8	Straighten	1	AssociatedWithRepairs	Damage	LF,RF
5003	BolsterHorn(FrontGuide)	8	Straighten	2	Bent	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	D	Weld	18	WeldBroken	Owner	LF,RF
5003	BolsterHorn(FrontGuide)	D	Weld	23	FlexCracks	Owner	LF,RF
5010	TwistLock/PushPin	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5010	TwistLock/PushPin	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5010	TwistLock/PushPin	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5010	TwistLock/PushPin	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5010	TwistLock/PushPin	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5010	TwistLock/PushPin	A	Secure	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5010	TwistLock/PushPin	A	Secure	7	Loose	Owner	LF,LR,RF,RR
5010	TwistLock/PushPin	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5010	TwistLock/PushPin	D	Weld	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR

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5011	TwistLockHandle	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5011	TwistLockHandle	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5011	TwistLockHandle	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5011	TwistLockHandle	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5011	TwistLockHandle	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5011	TwistLockHandle	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5011	TwistLockHandle	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5011	TwistLockHandle	A	Secure	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5011	TwistLockHandle	A	Secure	7	Loose	Owner	LF,LR,RF,RR
5011	TwistLockHandle	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5011	TwistLockHandle	D	Weld	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5012	TwistLockHandleKeeper	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5012	TwistLockHandleKeeper	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5012	TwistLockHandleKeeper	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5012	TwistLockHandleKeeper	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5012	TwistLockHandleKeeper	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5012	TwistLockHandleKeeper	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5012	TwistLockHandleKeeper	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5012	TwistLockHandleKeeper	A	Secure	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5012	TwistLockHandleKeeper	A	Secure	7	Loose	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	21	Corrosion	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5013	TwistLockAssembly	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5013	TwistLockAssembly	D	Weld	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5014	TwistLockHandleKeeperBracket	D	Weld	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5020	MainFrameRail	1	ReplaceW/New	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	1	ReplaceW/New	21	Corrosion	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	1	ReplaceW/New	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	1	ReplaceW/New	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	1	ReplaceW/New	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	8	Straighten	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	C	Section	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	C	Section	20	CorrectImproperRepair	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	C	Section	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	C	Section	2	Bent	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	C	Section	3	Broken	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	D	Weld	14	Cut,Torn	Damage	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	D	Weld	18	WeldBroken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5020	MainFrameRail	D	Weld	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5030	ChassisCrossmember	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	1	ReplaceW/New	21	Corrosion	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	1	ReplaceW/New	23	FlexCracks	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR

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5030	ChassisCrossmember	1	ReplaceW/New	2	Bent	Damage	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	1	ReplaceW/New	3	Broken	Damage	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	1	ReplaceW/New	8	Missing	Damage	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	8	Straighten	2	Bent	Damage	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	D	Weld	18	WeldBroken	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5030	ChassisCrossmember	D	Weld	23	FlexCracks	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	21	Corrosion	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	23	FlexCracks	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	2	Bent	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	3	Broken	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	1	ReplaceW/New	8	Missing	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	8	Straighten	1	AssociatedWithRepairs	Damage	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	8	Straighten	2	Bent	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	D	Weld	18	WeldBroken	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5031	ChassisCrossmemberGusset	D	Weld	23	FlexCracks	Owner	U,LSC,LSF,LSR,RSC,RSF,RSR
5033	FrameExtensionLockingDevice	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	U
5033	FrameExtensionLockingDevice	1	ReplaceW/New	2	Bent	Owner	U
5033	FrameExtensionLockingDevice	1	ReplaceW/New	3	Broken	Owner	U
5033	FrameExtensionLockingDevice	1	ReplaceW/New	8	Missing	Owner	U
5033	FrameExtensionLockingDevice	8	Straighten	1	AssociatedWithRepairs	Damage	U
5033	FrameExtensionLockingDevice	8	Straighten	2	Bent	Owner	U
5033	FrameExtensionLockingDevice	A	Secure	7	Loose	Owner	U
5033	FrameExtensionLockingDevice	D	Weld	18	WeldBroken	Owner	U
5034	ChassisDeckPlate	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F,R
5034	ChassisDeckPlate	1	ReplaceW/New	2	Bent	Owner	F,R
5034	ChassisDeckPlate	1	ReplaceW/New	3	Broken	Owner	F,R
5034	ChassisDeckPlate	1	ReplaceW/New	8	Missing	Owner	F,R
5034	ChassisDeckPlate	8	Straighten	1	AssociatedWithRepairs	Damage	F,R
5034	ChassisDeckPlate	8	Straighten	2	Bent	Owner	F,R
5034	ChassisDeckPlate	A	Secure	7	Loose	Owner	F,R
5034	ChassisDeckPlate	C	Section	1	AssociatedWithRepairs	Damage	F,R
5034	ChassisDeckPlate	C	Section	2	Bent	Owner	F,R
5034	ChassisDeckPlate	C	Section	3	Broken	Owner	F,R
5034	ChassisDeckPlate	D	Weld	18	WeldBroken	Owner	F,R
5100	ChassisRackMainFrame	1	ReplaceW/New	3	Broken	Owner	LS,RS,LSF,LSC,LSR,RSF,RSC,RSR
5100	ChassisRackMainFrame	8	Straighten	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5100	ChassisRackMainFrame	C	Section	14	Cut,Torn	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5100	ChassisRackMainFrame	D	Weld	18	WeldBroken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5100	ChassisRackMainFrame	D	Weld	23	FlexCracks	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5102	ChassisRackLeg	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5102	ChassisRackLeg	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5102	ChassisRackLeg	C	Section	14	Cut,Torn	Owner	LF,LR,RF,RR
5102	ChassisRackLeg	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5102	ChassisRackLeg	D	Weld	23	FlexCracks	Owner	LF,LR,RF,RR
5103	ChassisRackRestTop	1	ReplaceW/New	3	Broken	Owner	LF,RF
5103	ChassisRackRestTop	8	Straighten	2	Bent	Owner	LF,RF
5103	ChassisRackRestTop	C	Section	14	Cut,Torn	Owner	LF,RF
5103	ChassisRackRestTop	D	Weld	18	WeldBroken	Owner	LF,RF
5103	ChassisRackRestTop	D	Weld	23	FlexCracks	Owner	LF,RF
5104	ChassisRackRestBottom	1	ReplaceW/New	3	Broken	Owner	LF,RF
5104	ChassisRackRestBottom	8	Straighten	2	Bent	Owner	LF,RF
5104	ChassisRackRestBottom	C	Section	14	Cut,Torn	Owner	LF,RF
5104	ChassisRackRestBottom	D	Weld	18	WeldBroken	Owner	LF,RF
5104	ChassisRackRestBottom	D	Weld	23	FlexCracks	Owner	LF,RF
5105	ChassisRackLegDownBolt	1	ReplaceW/New	15	WornOut	Owner	LF,LR,RF,RR
5105	ChassisRackLegDownBolt	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR

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5105	ChassisRackLegDownBolt	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5105	ChassisRackLegDownBolt	A	Secure	7	Loose	Owner	LF,LR,RF,RR
5106	ChassisRackStrapTieDown	1	ReplaceW/New	15	WornOut	Owner	LSF,LSC,LSR
5106	ChassisRackStrapTieDown	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR
5106	ChassisRackStrapTieDown	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR
5106	ChassisRackStrapTieDown	8	Straighten	2	Bent	Owner	LSF,LSC,LSR
5106	ChassisRackStrapTieDown	A	Secure	7	Loose	Owner	LSF,LSC,LSR
5106	ChassisRackStrapTieDown	D	Weld	18	WeldBroken	Owner	LSF,LSC,LSR
5107	ChassisRackSupportArmLock	1	ReplaceW/New	15	WornOut	Owner	LF,RF
5107	ChassisRackSupportArmLock	1	ReplaceW/New	3	Broken	Owner	LF,RF
5107	ChassisRackSupportArmLock	1	ReplaceW/New	8	Missing	Owner	LF,RF
5107	ChassisRackSupportArmLock	8	Straighten	2	Bent	Owner	LF,RF
5107	ChassisRackSupportArmLock	A	Secure	7	Loose	Owner	LF,RF
5107	ChassisRackSupportArmLock	D	Weld	18	WeldBroken	Owner	LF,RF
5108	ChassisRackSupportArmHandle	1	ReplaceW/New	3	Broken	Owner	LF,RF
5108	ChassisRackSupportArmHandle	1	ReplaceW/New	8	Missing	Owner	LF,RF
5108	ChassisRackSupportArmHandle	8	Straighten	2	Bent	Owner	LF,RF
5108	ChassisRackSupportArmHandle	D	Weld	18	WeldBroken	Owner	LF,RF
5109	ChassisRackSpringAnchorClip	1	ReplaceW/New	15	WornOut	Owner	LF,RF
5109	ChassisRackSpringAnchorClip	1	ReplaceW/New	3	Broken	Owner	LF,RF
5109	ChassisRackSpringAnchorClip	1	ReplaceW/New	8	Missing	Owner	LF,RF
5109	ChassisRackSpringAnchorClip	8	Straighten	2	Bent	Owner	LF,RF
5109	ChassisRackSpringAnchorClip	A	Secure	7	Loose	Owner	LF,RF
5109	ChassisRackSpringAnchorClip	D	Weld	18	WeldBroken	Owner	LF,RF
5110	ChassisRestRetentionSpring	1	ReplaceW/New	15	WornOut	Owner	LF,RF
5110	ChassisRestRetentionSpring	1	ReplaceW/New	2	Bent	Owner	LF,RF
5110	ChassisRestRetentionSpring	1	ReplaceW/New	3	Broken	Owner	LF,RF
5110	ChassisRestRetentionSpring	1	ReplaceW/New	8	Missing	Owner	LF,RF
5110	ChassisRestRetentionSpring	A	Secure	7	Loose	Owner	LF,RF
5110	ChassisRestRetentionSpring	D	Weld	18	WeldBroken	Owner	LF,RF
5111	ChassisRackWeldonWench	1	ReplaceW/New	15	WornOut	Owner	RR
5111	ChassisRackWeldonWench	1	ReplaceW/New	2	Bent	Owner	RR
5111	ChassisRackWeldonWench	1	ReplaceW/New	3	Broken	Owner	RR
5111	ChassisRackWeldonWench	1	ReplaceW/New	8	Missing	Owner	RR
5111	ChassisRackWeldonWench	A	Secure	7	Loose	Owner	RR
5111	ChassisRackWeldonWench	D	Weld	18	WeldBroken	Owner	RR
5112	ChassisRackWinchMountPlate	1	ReplaceW/New	15	WornOut	Owner	RR
5112	ChassisRackWinchMountPlate	1	ReplaceW/New	2	Bent	Owner	RR
5112	ChassisRackWinchMountPlate	1	ReplaceW/New	3	Broken	Owner	RR
5112	ChassisRackWinchMountPlate	1	ReplaceW/New	8	Missing	Owner	RR
5112	ChassisRackWinchMountPlate	A	Secure	7	Loose	Owner	RR
5112	ChassisRackWinchMountPlate	D	Weld	18	WeldBroken	Owner	RR
5113	ChassisRackWinch	1	ReplaceW/New	15	WornOut	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5113	ChassisRackWinch	1	ReplaceW/New	2	Bent	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5113	ChassisRackWinch	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5113	ChassisRackWinch	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5113	ChassisRackWinch	A	Secure	7	Loose	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5113	ChassisRackWinch	D	Weld	18	WeldBroken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
5114	ChassisRackWinchBar	1	ReplaceW/New	15	WornOut	Owner	LSF
5114	ChassisRackWinchBar	1	ReplaceW/New	2	Bent	Owner	LSF
5114	ChassisRackWinchBar	1	ReplaceW/New	3	Broken	Owner	LSF
5114	ChassisRackWinchBar	1	ReplaceW/New	8	Missing	Owner	LSF
5301	LowerCornerCasting	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5301	LowerCornerCasting	1	ReplaceW/New	23	FlexCracks	Owner	LF,LR,RF,RR
5301	LowerCornerCasting	1	ReplaceW/New	2	Bent	Damage	LF,LR,RF,RR
5301	LowerCornerCasting	1	ReplaceW/New	3	Broken	Damage	LF,LR,RF,RR
5301	LowerCornerCasting	8	Straighten	2	Bent	Damage	LF,LR,RF,RR
5301	LowerCornerCasting	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR

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5301	LowerCornerCasting	D	Weld	23	FlexCracks	Owner	LF,LR,RF,RR
5302	UpperCornerCasting	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5302	UpperCornerCasting	1	ReplaceW/New	23	FlexCracks	Owner	LF,LR,RF,RR
5302	UpperCornerCasting	1	ReplaceW/New	2	Bent	Damage	LF,LR,RF,RR
5302	UpperCornerCasting	1	ReplaceW/New	3	Broken	Damage	LF,LR,RF,RR
5302	UpperCornerCasting	8	Straighten	2	Bent	Damage	LF,LR,RF,RR
5302	UpperCornerCasting	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5302	UpperCornerCasting	D	Weld	23	FlexCracks	Owner	LF,LR,RF,RR
5310	StackingPost	1	ReplaceW/New	14	Cut,Torn	Damage	LF,LR,RF,RR
5310	StackingPost	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5310	StackingPost	1	ReplaceW/New	23	FlexCracks	Owner	LF,LR,RF,RR
5310	StackingPost	1	ReplaceW/New	2	Bent	Damage	LF,LR,RF,RR
5310	StackingPost	1	ReplaceW/New	3	Broken	Damage	LF,LR,RF,RR
5310	StackingPost	D	Weld	14	Cut,Torn	Damage	LF,LR,RF,RR
5310	StackingPost	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5310	StackingPost	D	Weld	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5310	StackingPost	D	Weld	23	FlexCracks	Owner	LF,LR,RF,RR
5320	IntermediateHeader	1	ReplaceW/New	14	Cut,Torn	Damage	TF,TR
5320	IntermediateHeader	1	ReplaceW/New	20	CorrectImproperRepair	Owner	TF,TR
5320	IntermediateHeader	1	ReplaceW/New	23	FlexCracks	Owner	TF,TR
5320	IntermediateHeader	1	ReplaceW/New	2	Bent	Damage	TF,TR
5320	IntermediateHeader	1	ReplaceW/New	3	Broken	Damage	TF,TR
5320	IntermediateHeader	8	Straighten	2	Bent	Damage	TF,TR
5320	IntermediateHeader	D	Weld	14	Cut,Torn	Damage	TF,TR
5320	IntermediateHeader	D	Weld	18	WeldBroken	Owner	TF,TR
5320	IntermediateHeader	D	Weld	23	FlexCracks	Owner	TF,TR
5321	IntermediateHeaderGusset	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	TF,TR
5321	IntermediateHeaderGusset	1	ReplaceW/New	14	Cut,Torn	Owner	TF,TR
5321	IntermediateHeaderGusset	1	ReplaceW/New	20	CorrectImproperRepair	Owner	TF,TR
5321	IntermediateHeaderGusset	1	ReplaceW/New	23	FlexCracks	Owner	TF,TR
5321	IntermediateHeaderGusset	1	ReplaceW/New	2	Bent	Owner	TF,TR
5321	IntermediateHeaderGusset	1	ReplaceW/New	3	Broken	Owner	TF,TR
5321	IntermediateHeaderGusset	8	Straighten	1	AssociatedWithRepairs	Damage	TF,TR
5321	IntermediateHeaderGusset	8	Straighten	2	Bent	Owner	TF,TR
5321	IntermediateHeaderGusset	D	Weld	14	Cut,Torn	Owner	TF,TR
5321	IntermediateHeaderGusset	D	Weld	18	WeldBroken	Owner	TF,TR
5321	IntermediateHeaderGusset	D	Weld	23	FlexCracks	Owner	TF,TR
5321	IntermediateHeaderGusset	H	Overlay	14	Cut,Torn	Owner	TF,TR
5330	Tunnel	1	ReplaceW/New	14	Cut,Torn	Damage	U
5330	Tunnel	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
5330	Tunnel	1	ReplaceW/New	23	FlexCracks	Owner	U
5330	Tunnel	1	ReplaceW/New	2	Bent	Damage	U
5330	Tunnel	1	ReplaceW/New	3	Broken	Damage	U
5330	Tunnel	8	Straighten	2	Bent	Damage	U
5330	Tunnel	C	Section	14	Cut,Torn	Damage	U
5330	Tunnel	C	Section	23	FlexCracks	Owner	U
5330	Tunnel	C	Section	2	Bent	Damage	U
5330	Tunnel	C	Section	3	Broken	Damage	U
5330	Tunnel	D	Weld	14	Cut,Torn	Damage	U
5330	Tunnel	D	Weld	18	WeldBroken	Owner	U
5330	Tunnel	D	Weld	23	FlexCracks	Owner	U
5331	TunnelRail	1	ReplaceW/New	14	Cut,Torn	Damage	LS,RS
5331	TunnelRail	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
5331	TunnelRail	1	ReplaceW/New	23	FlexCracks	Owner	LS,RS
5331	TunnelRail	1	ReplaceW/New	2	Bent	Damage	LS,RS
5331	TunnelRail	1	ReplaceW/New	3	Broken	Damage	LS,RS
5331	TunnelRail	8	Straighten	2	Bent	Damage	LS,RS
5331	TunnelRail	A	Secure	7	Loose	Owner	LS,RS

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5331	TunnelRail	C	Section	14	Cut,Torn	Damage	LS,RS
5331	TunnelRail	C	Section	23	FlexCracks	Owner	LS,RS
5331	TunnelRail	C	Section	2	Bent	Damage	LS,RS
5331	TunnelRail	C	Section	3	Broken	Damage	LS,RS
5331	TunnelRail	D	Weld	14	Cut,Torn	Damage	LS,RS
5331	TunnelRail	D	Weld	18	WeldBroken	Owner	LS,RS
5331	TunnelRail	D	Weld	23	FlexCracks	Owner	LS,RS
5332	TunnelPlate	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
5332	TunnelPlate	1	ReplaceW/New	21	Corrosion	Owner	U
5332	TunnelPlate	1	ReplaceW/New	23	FlexCracks	Owner	U
5332	TunnelPlate	1	ReplaceW/New	2	Bent	Damage	U
5332	TunnelPlate	1	ReplaceW/New	3	Broken	Damage	U
5332	TunnelPlate	8	Straighten	2	Bent	Damage	U
5332	TunnelPlate	C	Section	23	FlexCracks	Owner	U
5332	TunnelPlate	C	Section	2	Bent	Damage	U
5332	TunnelPlate	C	Section	3	Broken	Damage	U
5332	TunnelPlate	D	Weld	18	WeldBroken	Owner	U
5332	TunnelPlate	D	Weld	23	FlexCracks	Owner	U
5333	TunnelBolster(Rail)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
5333	TunnelBolster(Rail)	1	ReplaceW/New	23	FlexCracks	Owner	U
5333	TunnelBolster(Rail)	1	ReplaceW/New	2	Bent	Owner	U
5333	TunnelBolster(Rail)	1	ReplaceW/New	3	Broken	Damage	U
5333	TunnelBolster(Rail)	8	Straighten	2	Bent	Owner	U
5333	TunnelBolster(Rail)	C	Section	23	FlexCracks	Owner	U
5333	TunnelBolster(Rail)	C	Section	2	Bent	Owner	U
5333	TunnelBolster(Rail)	C	Section	3	Broken	Damage	U
5333	TunnelBolster(Rail)	D	Weld	18	WeldBroken	Owner	U
5333	TunnelBolster(Rail)	D	Weld	23	FlexCracks	Owner	U
5340	ChannelOutrigger(Crossmember)	1	ReplaceW/New	14	Cut,Torn	Damage	LS,RS
5340	ChannelOutrigger(Crossmember)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LS,RS
5340	ChannelOutrigger(Crossmember)	1	ReplaceW/New	23	FlexCracks	Owner	LS,RS
5340	ChannelOutrigger(Crossmember)	1	ReplaceW/New	2	Bent	Damage	LS,RS
5340	ChannelOutrigger(Crossmember)	1	ReplaceW/New	3	Broken	Damage	LS,RS
5340	ChannelOutrigger(Crossmember)	1	ReplaceW/New	8	Missing	Damage	LS,RS
5340	ChannelOutrigger(Crossmember)	8	Straighten	2	Bent	Damage	LS,RS
5340	ChannelOutrigger(Crossmember)	A	Secure	7	Loose	Owner	LS,RS
5340	ChannelOutrigger(Crossmember)	D	Weld	14	Cut,Torn	Damage	LS,RS
5340	ChannelOutrigger(Crossmember)	D	Weld	18	WeldBroken	Owner	LS,RS
5340	ChannelOutrigger(Crossmember)	D	Weld	23	FlexCracks	Owner	LS,RS
5350	RoofBumpPlate	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	TF,TR
5350	RoofBumpPlate	1	ReplaceW/New	2	Bent	Owner	TF,TR
5350	RoofBumpPlate	1	ReplaceW/New	3	Broken	Owner	TF,TR
5350	RoofBumpPlate	1	ReplaceW/New	8	Missing	Owner	TF,TR
5350	RoofBumpPlate	8	Straighten	1	AssociatedWithRepairs	Damage	TF,TR
5350	RoofBumpPlate	8	Straighten	2	Bent	Owner	TF,TR
5350	RoofBumpPlate	D	Weld	18	WeldBroken	Owner	TF,TR
5351	KneeBrace(Gusset)	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5351	KneeBrace(Gusset)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	LF,LR,RF,RR
5351	KneeBrace(Gusset)	1	ReplaceW/New	2	Bent	Owner	LF,LR,RF,RR
5351	KneeBrace(Gusset)	1	ReplaceW/New	3	Broken	Owner	LF,LR,RF,RR
5351	KneeBrace(Gusset)	1	ReplaceW/New	8	Missing	Owner	LF,LR,RF,RR
5351	KneeBrace(Gusset)	8	Straighten	1	AssociatedWithRepairs	Damage	LF,LR,RF,RR
5351	KneeBrace(Gusset)	8	Straighten	2	Bent	Owner	LF,LR,RF,RR
5351	KneeBrace(Gusset)	D	Weld	18	WeldBroken	Owner	LF,LR,RF,RR
5352	TubularCrossmember(Container)	1	ReplaceW/New	20	CorrectImproperRepair	Owner	U
5352	TubularCrossmember(Container)	1	ReplaceW/New	2	Bent	Damage	U
5352	TubularCrossmember(Container)	1	ReplaceW/New	3	Broken	Damage	U
5352	TubularCrossmember(Container)	8	Straighten	2	Bent	Damage	U

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5352	TubularCrossmember(Container)	C	Section	20	CorrectImproperRepair	Owner	U
5352	TubularCrossmember(Container)	D	Weld	18	WeldBroken	Owner	U
5522	BinderChain	1	ReplaceW/New	2	Bent	Owner	LS,RS
5522	BinderChain	1	ReplaceW/New	3	Broken	Owner	LS,RS
5522	BinderChain	1	ReplaceW/New	8	Missing	Damage	LS,RS
5522	BinderChain	A	Secure	7	Loose	HandlingLine	LS,RS
5524	HammerLock	1	ReplaceW/New	2	Bent	Owner	LS,RS
5524	HammerLock	1	ReplaceW/New	3	Broken	Owner	LS,RS
5524	HammerLock	1	ReplaceW/New	8	Missing	Owner	LS,RS
5525	Binders	1	ReplaceW/New	2	Bent	Owner	LS,RS
5525	Binders	1	ReplaceW/New	3	Broken	Owner	LS,RS
5525	Binders	1	ReplaceW/New	8	Missing	Damage	LS,RS
5525	Binders	A	Secure	7	Loose	HandlingLine	LS,RS
5527	GrabHook	1	ReplaceW/New	2	Bent	Owner	LS,RS
5527	GrabHook	1	ReplaceW/New	3	Broken	Owner	LS,RS
5527	GrabHook	1	ReplaceW/New	8	Missing	Owner	LS,RS
5600	AdjustTransferLoad	A	Secure	32	PerContract	Damage	I
5614	LoadRetainerBar	1	ReplaceW/New	2	Bent	Owner	I
5614	LoadRetainerBar	1	ReplaceW/New	3	Broken	Owner	I
5614	LoadRetainerBar	1	ReplaceW/New	8	Missing	Owner	I
5614	LoadRetainerBar	8	Straighten	2	Bent	Owner	I
5614	LoadRetainerBar	A	Secure	7	Loose	Owner	I
5618	LoadGate	1	ReplaceW/New	2	Bent	Owner	R
5618	LoadGate	1	ReplaceW/New	3	Broken	Owner	R
5618	LoadGate	8	Straighten	2	Bent	Owner	R
5618	LoadGate	A	Secure	7	Loose	Owner	R
5620	CargoStrap	1	ReplaceW/New	14	Cut,Torn	Owner	LS,RS
5620	CargoStrap	1	ReplaceW/New	3	Broken	Owner	LS,RS
5620	CargoStrap	1	ReplaceW/New	8	Missing	Owner	LS,RS
5620	CargoStrap	A	Secure	7	Loose	Owner	LS,RS
5623	ApplyKingPinLock	7	LaborOnly	32	PerContract	HandlingLine	U
5651	FHWA-PI	1	ReplaceW/New	25	State/Federal/Insp.	Owner	C
5651	FHWA-PI	6	MaterialOnly	25	State/Federal/Insp.	Owner	C
5651	FHWA-PI	7	LaborOnly	25	State/Federal/Insp.	Owner	C
5654	StateVehicleInspection(BIT)	1	ReplaceW/New	25	State/Federal/Insp.	HandlingLine	C
5654	StateVehicleInspection(BIT)	7	LaborOnly	25	State/Federal/Insp.	HandlingLine	C
5655	PretripInspection	7	LaborOnly	32	PerContract	HandlingLine	C
5660	SweepInterior	7	LaborOnly	27	Dirty,Nails,Dunnage	Damage	I
5664	WashInterior	1	ReplaceW/New	27	Dirty,Nails,Dunnage	Damage	I
5664	WashInterior	7	LaborOnly	27	Dirty,Nails,Dunnage	Damage	I
5668	ChemicallyCleanInterior	1	ReplaceW/New	27	Dirty,Nails,Dunnage	Damage	I
5669	WashExterior	1	ReplaceW/New	26	Vandalism	Owner	C
5677	Insulation	1	ReplaceW/New	14	Cut,Torn	Owner	F,T,LSC,LSF,LSR,RSC,RSF,RSR
5677	Insulation	1	ReplaceW/New	8	Missing	Owner	F,T,LSC,LSF,LSR,RSC,RSF,RSR
5686	ServiceCall	7	LaborOnly	32	PerContract	Owner	C
5687	Mileage	7	LaborOnly	32	PerContract	Owner	C
5688	DispatchFee	7	LaborOnly	32	PerContract	Owner	C
5689	ReportingMark/Number	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
5690	Logo	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
5692	InformationDecalStencil	1	ReplaceW/New	14	Cut,Torn	Owner	F,R,LS,RS
5692	InformationDecalStencil	1	ReplaceW/New	15	WornOut	Owner	F,R,LS,RS
5692	InformationDecalStencil	1	ReplaceW/New	32	PerContract	Owner	F,R,LS,RS
5692	InformationDecalStencil	1	ReplaceW/New	8	Missing	Owner	F,R,LS,RS
5693	WideTurnDecal	7	LaborOnly	32	PerContract	Owner	RR
5696	SeeAttachedInvoice	7	LaborOnly	32	PerContract	HandlingLine	C
5698	Citations-replacesToll	7	LaborOnly	32	PerContract	HandlingLine	C
5750	RemoveHazardousPlacard	7	LaborOnly	32	PerContract	Damage	C,F,R,LS,RS
5800	Water/SmokeTest	1	ReplaceW/New	32	PerContract	HandlingLine	C

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5800	Water/SmokeTest	7	LaborOnly	32	PerContract	HandlingLine	C
6025	Evaporator	1	ReplaceW/New	14	Cut,Torn	Owner	F
6025	Evaporator	1	ReplaceW/New	19	InternalFailure	Owner	F
6025	Evaporator	1	ReplaceW/New	1	AssociatedWithRepairs	Damage	F
6025	Evaporator	1	ReplaceW/New	3	Broken	Owner	F
6025	Evaporator	1	ReplaceW/New	8	Missing	Owner	F
6050	Reefer,Door	1	ReplaceW/New	14	Cut,Torn	Owner	F,I,U
6050	Reefer,Door	1	ReplaceW/New	2	Bent	Owner	F,I,U
6050	Reefer,Door	1	ReplaceW/New	3	Broken	Owner	F,I,U
6050	Reefer,Door	1	ReplaceW/New	8	Missing	Owner	F,I,U
6050	Reefer,Door	A	Secure	7	Loose	Owner	F,I,U
6051	Reefer,MicroProcessorDoor	1	ReplaceW/New	14	Cut,Torn	Owner	F,I,U
6051	Reefer,MicroProcessorDoor	1	ReplaceW/New	2	Bent	Owner	F,I,U
6051	Reefer,MicroProcessorDoor	1	ReplaceW/New	3	Broken	Owner	F,I,U
6051	Reefer,MicroProcessorDoor	1	ReplaceW/New	8	Missing	Owner	F,I,U
6051	Reefer,MicroProcessorDoor	A	Secure	7	Loose	Owner	F,I,U
6150	UnitSkins(panels)	1	ReplaceW/New	14	Cut,Torn	Owner	F,I,U
6150	UnitSkins(panels)	1	ReplaceW/New	2	Bent	Owner	F,I,U
6150	UnitSkins(panels)	1	ReplaceW/New	3	Broken	Owner	F,I,U
6150	UnitSkins(panels)	1	ReplaceW/New	8	Missing	Owner	F,I,U
6150	UnitSkins(panels)	A	Secure	7	Loose	Owner	F,I,U
6151	CondensorGrill	1	ReplaceW/New	2	Bent	Owner	F,I,U
6151	CondensorGrill	1	ReplaceW/New	3	Broken	Owner	F,I,U
6151	CondensorGrill	1	ReplaceW/New	8	Missing	Owner	F,I,U
6151	CondensorGrill	A	Secure	7	Loose	Owner	F,I,U
6152	CondensingUnit	1	ReplaceW/New	2	Bent	Owner	F,I,U
6152	CondensingUnit	1	ReplaceW/New	3	Broken	Owner	F,I,U
6152	CondensingUnit	1	ReplaceW/New	8	Missing	Owner	F,I,U
6152	CondensingUnit	A	Secure	7	Loose	Owner	F,I,U
6155	Mircroprocessor	1	ReplaceW/New	14	Cut,Torn	Owner	F,I,U
6155	Mircroprocessor	1	ReplaceW/New	2	Bent	Owner	F,I,U
6155	Mircroprocessor	1	ReplaceW/New	3	Broken	Owner	F,I,U
6155	Mircroprocessor	A	Secure	7	Loose	Owner	F,I,U
6156	Refrigeration/HeaterUnitFrame	1	ReplaceW/New	14	Cut,Torn	Damage	F,I,U
6156	Refrigeration/HeaterUnitFrame	1	ReplaceW/New	2	Bent	Damage	F,I,U
6156	Refrigeration/HeaterUnitFrame	1	ReplaceW/New	3	Broken	Damage	F,I,U
6156	Refrigeration/HeaterUnitFrame	1	ReplaceW/New	8	Missing	Damage	F,I,U
6156	Refrigeration/HeaterUnitFrame	8	Straighten	2	Bent	Damage	F,I,U
6156	Refrigeration/HeaterUnitFrame	A	Secure	7	Loose	Owner	F,I,U
6200	FuelTank	1	ReplaceW/New	14	Cut,Torn	Owner	F,I,U
6200	FuelTank	1	ReplaceW/New	2	Bent	Owner	F,I,U
6200	FuelTank	1	ReplaceW/New	3	Broken	Owner	F,I,U
6200	FuelTank	A	Secure	7	Loose	Owner	F,I,U
6201	FuelTankNeck	1	ReplaceW/New	14	Cut,Torn	Owner	F,I,U
6201	FuelTankNeck	1	ReplaceW/New	2	Bent	Owner	F,I,U
6201	FuelTankNeck	1	ReplaceW/New	3	Broken	Owner	F,I,U
6201	FuelTankNeck	1	ReplaceW/New	8	Missing	Owner	F,I,U
6204	Compressor	1	ReplaceW/New	19	InternalFailure	Owner	F,I,U
6204	Compressor	1	ReplaceW/New	2	Bent	Owner	F,I,U
6204	Compressor	1	ReplaceW/New	3	Broken	Owner	F,I,U
6204	Compressor	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6204	Compressor	1	ReplaceW/New	8	Missing	Owner	F,I,U
6205	Engine	1	ReplaceW/New	19	InternalFailure	Owner	F,I,U
6205	Engine	1	ReplaceW/New	3	Broken	Owner	F,I,U
6205	Engine	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6205	Engine	1	ReplaceW/New	8	Missing	Owner	F,I,U
6209	Battery	1	ReplaceW/New	3	Broken	Owner	F,I,U
6209	Battery	1	ReplaceW/New	5	Inoperative	Owner	F,I,U

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6209	Battery	1	ReplaceW/New	8	Missing	Damage	F,I,U
6220	Heater	1	ReplaceW/New	2	Bent	Owner	F,I,U
6220	Heater	1	ReplaceW/New	3	Broken	Owner	F,I,U
6220	Heater	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6220	Heater	1	ReplaceW/New	8	Missing	Owner	F,I,U
6221	HeatExchange	1	ReplaceW/New	2	Bent	Owner	F,I,U
6221	HeatExchange	1	ReplaceW/New	3	Broken	Owner	F,I,U
6221	HeatExchange	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6221	HeatExchange	1	ReplaceW/New	8	Missing	Owner	F,I,U
6224	PowerTrain	1	ReplaceW/New	2	Bent	Owner	F,I,U
6224	PowerTrain	1	ReplaceW/New	3	Broken	Owner	F,I,U
6224	PowerTrain	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6224	PowerTrain	1	ReplaceW/New	8	Missing	Owner	F,I,U
6225	Alternator	1	ReplaceW/New	2	Bent	Owner	F,I,U
6225	Alternator	1	ReplaceW/New	3	Broken	Owner	F,I,U
6225	Alternator	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6225	Alternator	1	ReplaceW/New	8	Missing	Owner	F,I,U
6226	ControlBox-Electrical	1	ReplaceW/New	2	Bent	Owner	F,I,U
6226	ControlBox-Electrical	1	ReplaceW/New	3	Broken	Owner	F,I,U
6226	ControlBox-Electrical	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6226	ControlBox-Electrical	1	ReplaceW/New	8	Missing	Owner	F,I,U
6227	FuelSystem	1	ReplaceW/New	2	Bent	Owner	F,I,U
6227	FuelSystem	1	ReplaceW/New	3	Broken	Owner	F,I,U
6227	FuelSystem	1	ReplaceW/New	8	Missing	Owner	F,I,U
6228	EngineCoolingSystem	1	ReplaceW/New	2	Bent	Owner	F,I,U
6228	EngineCoolingSystem	1	ReplaceW/New	3	Broken	Owner	F,I,U
6228	EngineCoolingSystem	1	ReplaceW/New	5	Inoperative	Owner	F,I,U
6228	EngineCoolingSystem	1	ReplaceW/New	8	Missing	Owner	F,I,U
6229	Exhaust	1	ReplaceW/New	2	Bent	Owner	F,I,U
6229	Exhaust	1	ReplaceW/New	3	Broken	Owner	F,I,U
6229	Exhaust	1	ReplaceW/New	8	Missing	Owner	F,I,U
6231	IntegralTank	1	ReplaceW/New	2	Bent	Owner	F,I,U
6231	IntegralTank	1	ReplaceW/New	3	Broken	Owner	F,I,U
6231	IntegralTank	1	ReplaceW/New	8	Missing	Owner	F,I,U
6552	Jacket	1	ReplaceW/New	14	Cut,Torn	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6552	Jacket	1	ReplaceW/New	2	Bent	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6552	Jacket	1	ReplaceW/New	3	Broken	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6552	Jacket	8	Straighten	2	Bent	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6552	Jacket	C	Section	14	Cut,Torn	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6552	Jacket	D	Weld	18	WeldBroken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6600	EmergencyCable	1	ReplaceW/New	8	Missing	Owner	R
6601	Banding	1	ReplaceW/New	3	Broken	Owner	LSF,LSC,LSR,RSF,RSC,RSR
6601	Banding	1	ReplaceW/New	8	Missing	Owner	LSF,LSC,LSR,RSF,RSC,RSR
6603	DocumentTube	1	ReplaceW/New	2	Bent	Owner	LS,RS
6603	DocumentTube	1	ReplaceW/New	8	Missing	Owner	LS,RS
6604	DrainTube	1	ReplaceW/New	14	Cut,Torn	Owner	LS,RS
6604	DrainTube	1	ReplaceW/New	2	Bent	Owner	LS,RS
6651	DischargeValveHandles	1	ReplaceW/New	2	Bent	Owner	R
6651	DischargeValveHandles	1	ReplaceW/New	3	Broken	Owner	R
6651	DischargeValveHandles	1	ReplaceW/New	8	Missing	Owner	R
6652	Seal	1	ReplaceW/New	3	Broken	Owner	R
6653	DischargeValveDustCap	1	ReplaceW/New	2	Bent	Owner	R
6653	DischargeValveDustCap	1	ReplaceW/New	3	Broken	Owner	R
6653	DischargeValveDustCap	1	ReplaceW/New	8	Missing	Owner	R
6654	Ladder	1	ReplaceW/New	2	Bent	Owner	R
6654	Ladder	1	ReplaceW/New	3	Broken	Owner	R
6654	Ladder	1	ReplaceW/New	8	Missing	Owner	R
6654	Ladder	8	Straighten	2	Bent	Owner	F,R

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6654	Ladder	A	Secure	7	Loose	Owner	F,R
6654	Ladder	D	Weld	18	WeldBroken	Owner	F,R
6700	Swingbolts	1	ReplaceW/New	3	Broken	Owner	T
6700	Swingbolts	1	ReplaceW/New	8	Missing	Owner	T
6701	DomeLid	1	ReplaceW/New	2	Bent	Owner	T
6701	DomeLid	1	ReplaceW/New	3	Broken	Owner	T
6701	DomeLid	1	ReplaceW/New	8	Missing	Owner	T
6702	Catwalk	1	ReplaceW/New	2	Bent	Owner	R,TC,TF,TR
6702	Catwalk	1	ReplaceW/New	3	Broken	Owner	R,TC,TF,TR
6702	Catwalk	1	ReplaceW/New	8	Missing	Owner	R,TC,TF,TR
6702	Catwalk	8	Straighten	2	Bent	Owner	R,TC,TF,TR
6702	Catwalk	A	Secure	7	Loose	Owner	R,TC,TF,TR
6702	Catwalk	C	Section	14	Cut,Torn	Owner	R,TC,TF,TR
6702	Catwalk	D	Weld	18	WeldBroken	Owner	R,TC,TF,TR
6703	InletValveandCap	1	ReplaceW/New	3	Broken	Owner	T
6703	InletValveandCap	1	ReplaceW/New	8	Missing	Owner	T
6704	PressureReliefValves	1	ReplaceW/New	3	Broken	Owner	T
6704	PressureReliefValves	1	ReplaceW/New	8	Missing	Owner	T
6705	Frame,BulkTainer	1	ReplaceW/New	14	Cut,Torn	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6705	Frame,BulkTainer	1	ReplaceW/New	2	Bent	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6705	Frame,BulkTainer	1	ReplaceW/New	3	Broken	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6705	Frame,BulkTainer	8	Straighten	2	Bent	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6705	Frame,BulkTainer	A	Secure	7	Loose	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6705	Frame,BulkTainer	C	Section	14	Cut,Torn	Damage	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6705	Frame,BulkTainer	D	Weld	18	WeldBroken	Owner	F,R,LSC,LSF,LSR,RSC,RSF,RSR
6751	Tubes/HoseHolders	1	ReplaceW/New	2	Bent	Owner	R
6751	Tubes/HoseHolders	1	ReplaceW/New	3	Broken	Owner	R
6751	Tubes/HoseHolders	1	ReplaceW/New	8	Missing	Owner	R
6755	Fenders	1	ReplaceW/New	2	Bent	Owner	LR,RR
6755	Fenders	1	ReplaceW/New	3	Broken	Owner	LR,RR
6755	Fenders	1	ReplaceW/New	8	Missing	Owner	LR,RR
6755	Fenders	8	Straighten	2	Bent	Owner	F,R
6755	Fenders	A	Secure	7	Loose	Owner	F,R
6755	Fenders	C	Section	14	Cut,Torn	Owner	F,R
6755	Fenders	D	Weld	18	WeldBroken	Owner	F,R
6757	RegistrationforChassis	1	ReplaceW/New	8	Missing	Owner	LS,RS
6771	SplashGuards	1	ReplaceW/New	2	Bent	Owner	LR,RR
6771	SplashGuards	1	ReplaceW/New	3	Broken	Owner	LR,RR
6994	Depreciated/CasualtyValue,LessSalvage	6	MaterialOnly	29	Retire/Destroyed	Damage	C
6995	Depreciated/CasualtyValue	6	MaterialOnly	32	PerContract	Damage	C
6996	StateSalesTax	6	MaterialOnly	32	PerContract	HandlingLine	C
6996	StateSalesTax	7	LaborOnly	32	PerContract	HandlingLine	C
6997	CityTax	6	MaterialOnly	32	PerContract	HandlingLine	C
6997	CityTax	7	LaborOnly	32	PerContract	HandlingLine	C
6998	CountyTax	6	MaterialOnly	32	PerContract	HandlingLine	C
6998	CountyTax	7	LaborOnly	32	PerContract	HandlingLine	C
6999	FederalExciseTax	6	MaterialOnly	32	PerContract	HandlingLine	C