

ISM

The Institute of Supply Management
(Formerly the National Association of Purchasing Management)

RIF

Rail Industry Forum

WWG

Warranty Working Group

COMPONENT LABELING EXAMPLES

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Examples**

Introduction

Under the guidance of the Institute of Supply Management (ISM) Rail Industry Forum (RIF), the railroad industry, railroads and suppliers, have jointly developed warranty standards to assist the rail industry in better tracking and identifying of serialized components used in a variety of the railroad equipment.

The committee has developed these labeling examples to use as a minimum guide and does not limit other possible locations or components. They are meant to be used as a guideline to help both railroads and suppliers manage their equipment identification process efficiently and effectively. It is not meant to be an industry requirement to do business. It will be up to each railroad and each supplier to decide how they want to use and enforce the standard to manage their business relationship.

In short, the new standard requires designated parts be given a unique identifier with key information bar coded on the part or on a label that is permanently attached to the part. When finalized and issued as a new AAR Technical Standard, it will provide a consistent and uniform method for labeling and identification of designated railroad products and components. We expect standardized component labeling and identification to yield significant efficiency and cost benefits for the industry in terms of product traceability, inventory management, maintenance operations, root cause analysis of defects, service life calculations (reliability) and warranty claims processing.

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Examples**

APPENDIX B

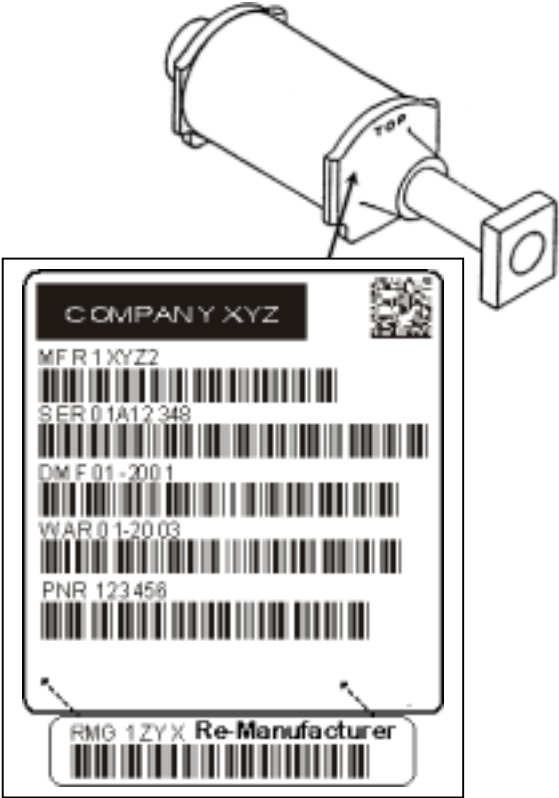
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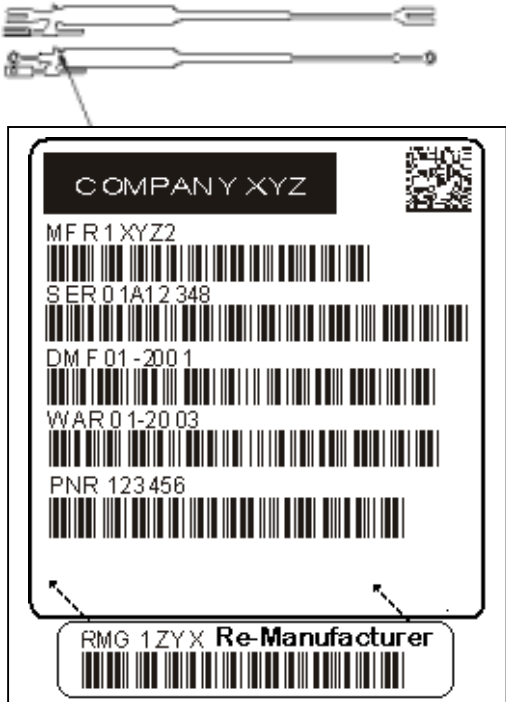
Note:

While this list is not all-inclusive, it can be used as a guideline for other warranty components.

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Cushion Device, End of Car	Standard Number: C-1
 <p>The diagram illustrates a cylindrical cushion device with a label attached. The label is divided into two main sections. The top section, labeled 'COMPANY XYZ', contains the following information: MFR 1XYZ2, SER 01A12348, DMF 01-2001, WAR 01-2003, and PNR 123456. The bottom section, labeled 'RMG 1ZYX Re-Manufacturer', contains a barcode. Arrows indicate the label's position on the device, and a 'TOP' label points to the top of the cylinder.</p>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

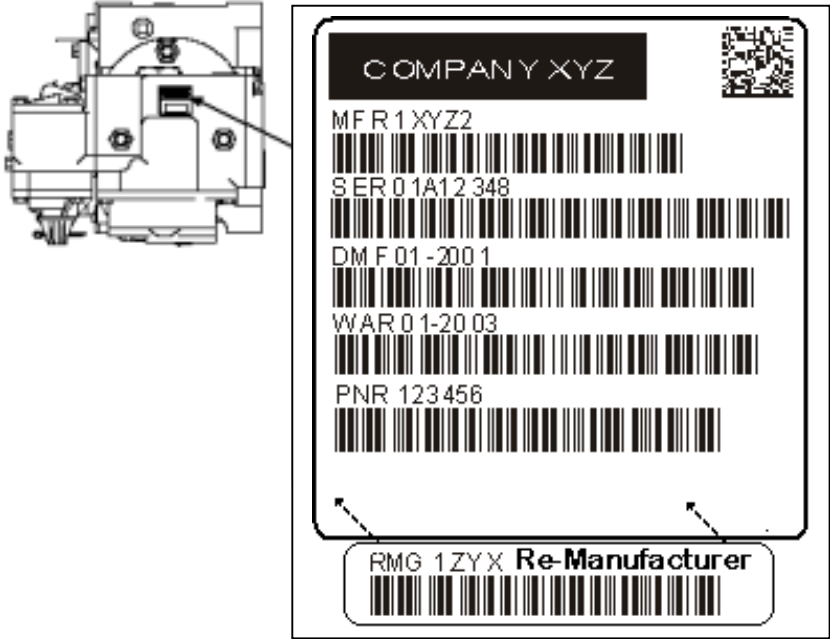
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Brake Slack Adjuster	Standard Number: C-2
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

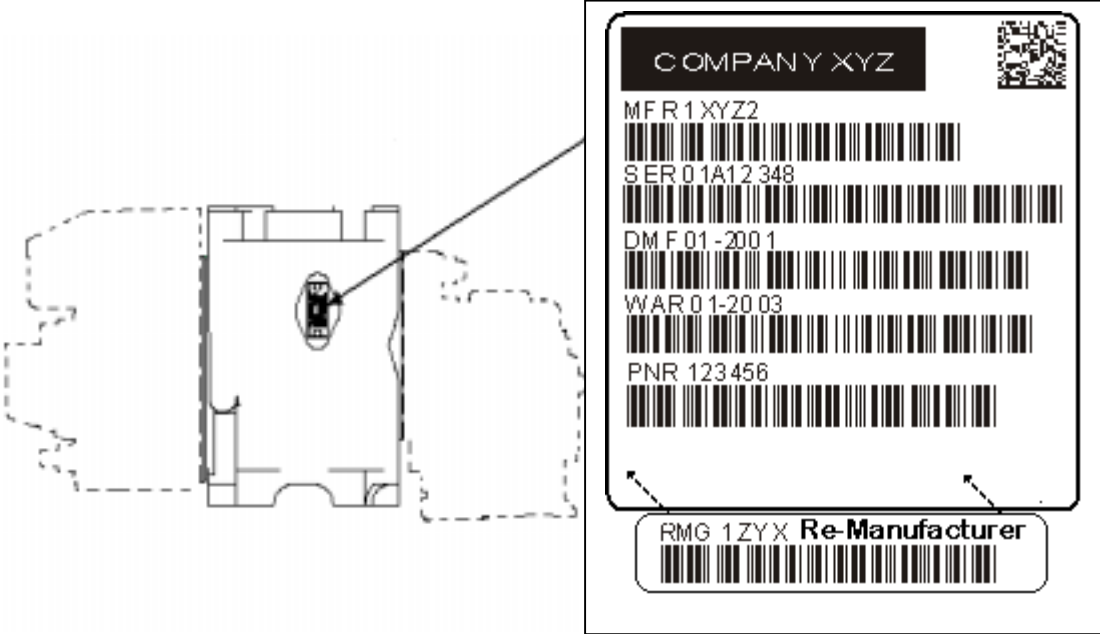
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Emergency Air Brake Portion	Standard Number: C-3
<div data-bbox="375 369 667 764"> </div> <div data-bbox="667 380 1279 1108"> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

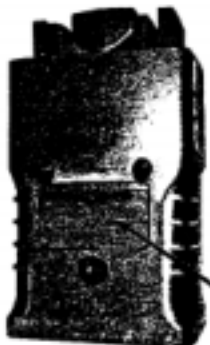
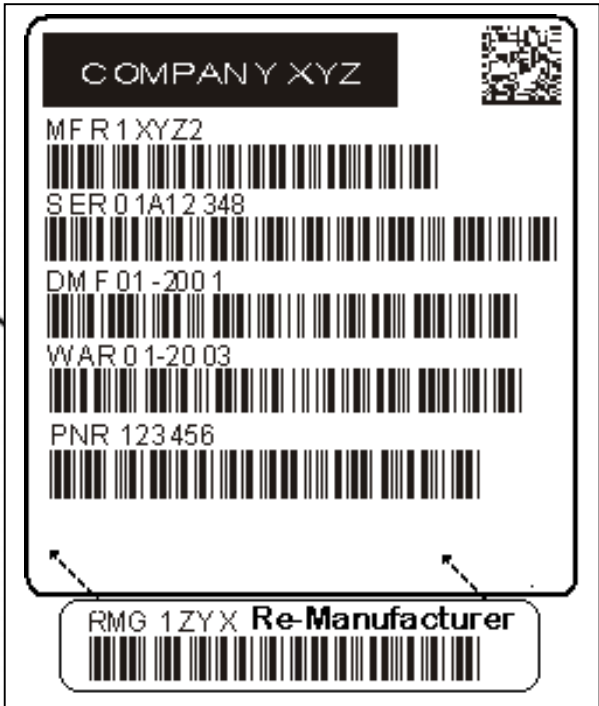
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Service Air Brake Portion	Standard Number: C- 4
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

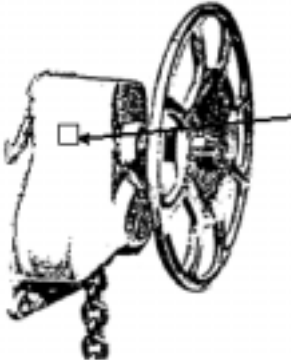
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Air Brake Pipe Bracket	Standard Number: C-5
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
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Part Description: Friction Gear	Standard Number: C-6
<div data-bbox="415 401 623 743">  </div> <div data-bbox="626 365 1221 1066">  </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	






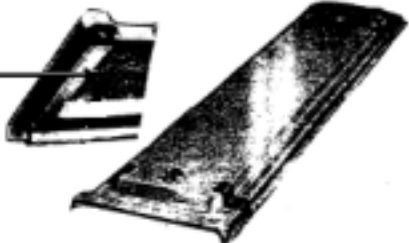

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Hand Brake	Standard Number: C-7
<div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 10px; margin-left: 20px;"> <div style="background-color: black; color: white; padding: 5px; text-align: center;">COMPANY XYZ</div> <div style="margin-top: 5px;">MFR 1XYZ2</div> <div style="text-align: center;"></div> <div style="margin-top: 5px;">SER 01A12 348</div> <div style="text-align: center;"></div> <div style="margin-top: 5px;">DMF 01-200 1</div> <div style="text-align: center;"></div> <div style="margin-top: 5px;">WAR 01-20 03</div> <div style="text-align: center;"></div> <div style="margin-top: 5px;">PNR 123456</div> <div style="text-align: center;"></div> <div style="margin-top: 10px; border: 1px solid black; padding: 5px; text-align: center;"> RMG 1ZYX Re-Manufacturer </div> </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

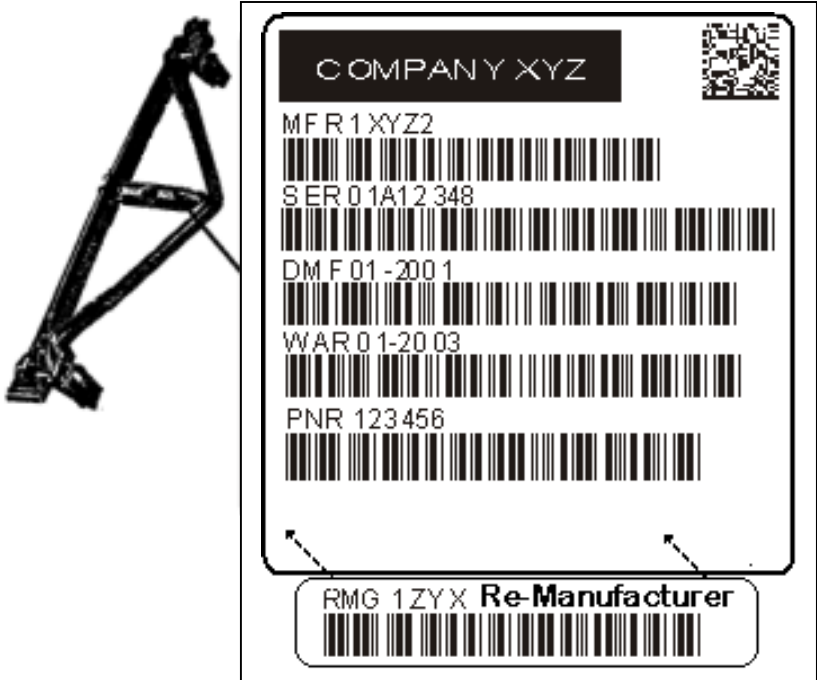
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Outlet Gate	Standard Number: C-8
<div data-bbox="394 346 711 598"> </div> <div data-bbox="704 407 1260 1060"> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

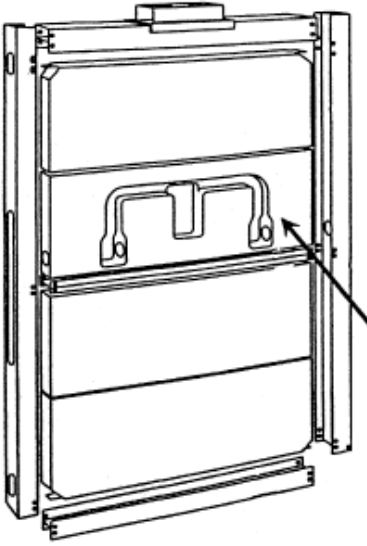
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Hatch Cover	Standard Number: C-9
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 10px; margin-right: 20px;"> <div style="display: flex; justify-content: space-between;"> <div>COMPANY XYZ</div>  </div> <div>MFR 1 XYZ2</div>  <div>SER 0 1A12 348</div>  <div>DM F 01 -200 1</div>  <div>WAR 0 1-20 03</div>  <div>PNR 123456</div>  </div> <div style="margin-left: 20px;">  </div> </div> <div style="margin-top: 10px; border: 1px solid black; padding: 5px; width: fit-content;"> <div style="display: flex; align-items: center;"> <div style="flex: 1;">RMG 1 ZYX Re-Manufacturer</div>  </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

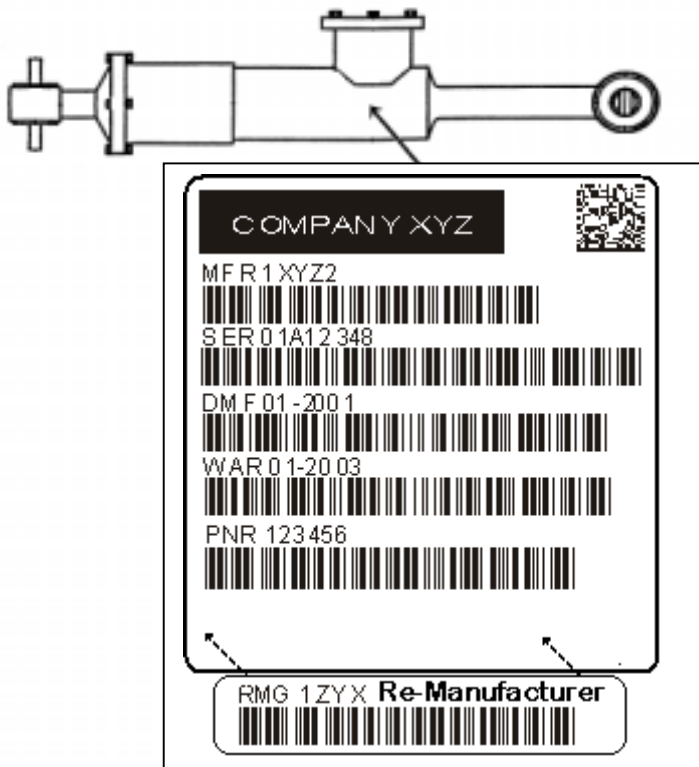
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Brake Beam	Standard Number: C-10
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

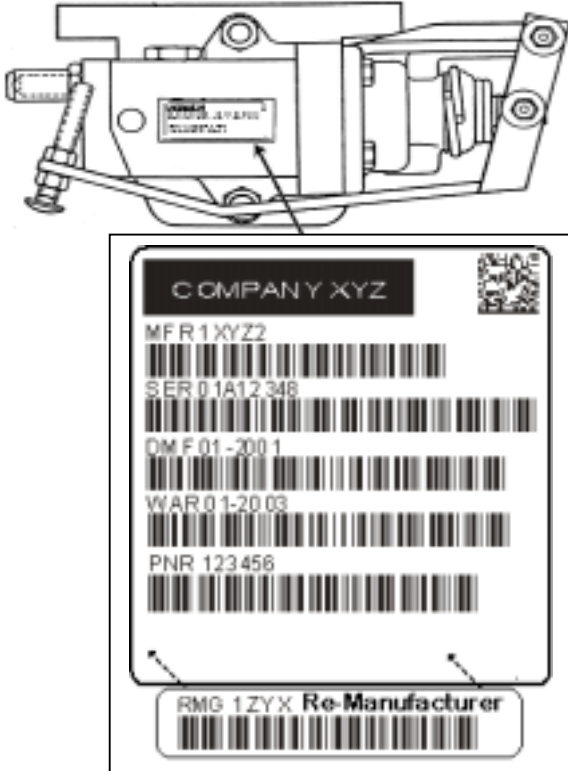
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Load Divider	Standard Number: C-11
<div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 10px; margin-left: 20px;"> <div style="background-color: black; color: white; padding: 5px; text-align: center;">COMPANY XYZ</div> <div style="text-align: center;"> MFR 1 XYZ2 SER 01A12 348 DMF 01-2001 WAR 01-2003 PNR 123456 </div> <div style="border: 1px solid black; padding: 5px; text-align: center; margin-top: 10px;"> RMG 1ZYX Re-Manufacturer </div> </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

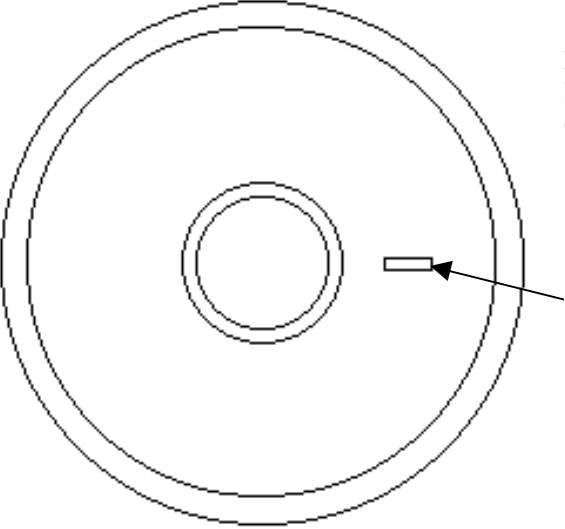

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Yaw Damper	Standard Number: C-12
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Empty Load Device	Standard Number: C-13
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

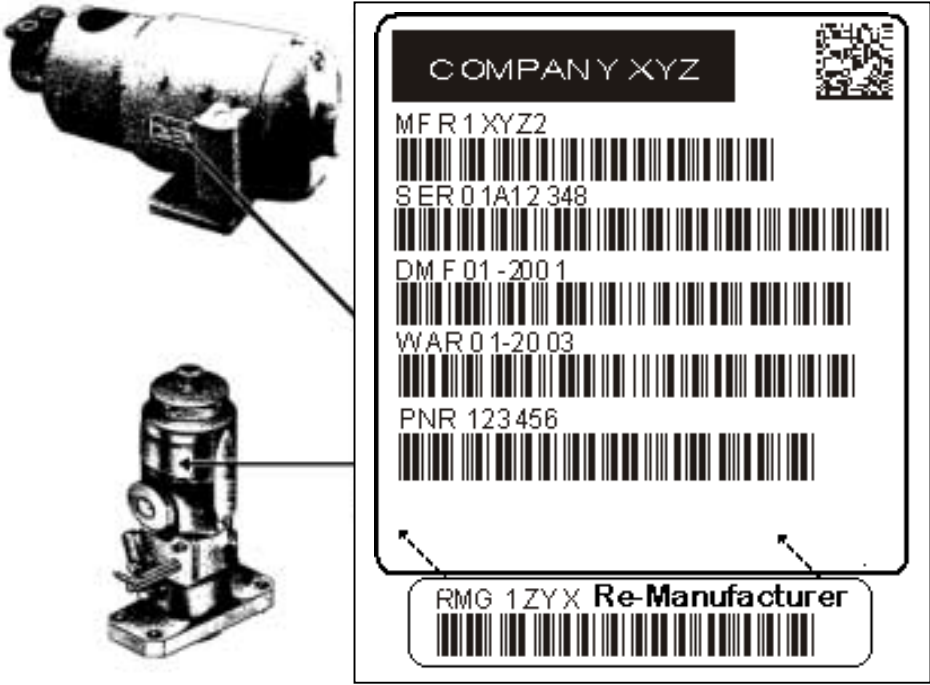
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Wheel	Standard Number: C-14
<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Note: Labels may be applied to additional locations on the wheel as identified by contract, such as, on the tread surface.</p> </div> </div> <div style="margin-top: 20px;">  </div>	
<p>Label Description: A two-part durable label will be affixed to the serialized component. It will show the OEM Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Wheel Design, Wheel Class, Bore Size, AAR Tape Size, and Heat Number. The label material will be weather resistant and use permanent adhesive. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component, in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is on the outside of the wheel at the three o'clock position as indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be linear Code 39.</p> <p>OEM Label will include machine and human readable information as</p> <ul style="list-style-type: none"> MFR +3-character field (Manufacture Code Number per AAR Field Manual) SER + 8-character field maximum (Serial Number of Component) DMF + MM/YYYY (Manufacturer Date of Component) Wheel Design + 4 (AAR Wheel Design) Wheel Class + 1 (AAR Wheel Class) Bore Size + 8 (Bore Size, use whole numbers and fraction) AAR Tape Size + 3 (AAR Tape Size) Heat Number + 6 (Heat Number or Wheel) <p>Remanufacture Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> Wheel Turning Facility + 8 (Company Mark and Location) 	

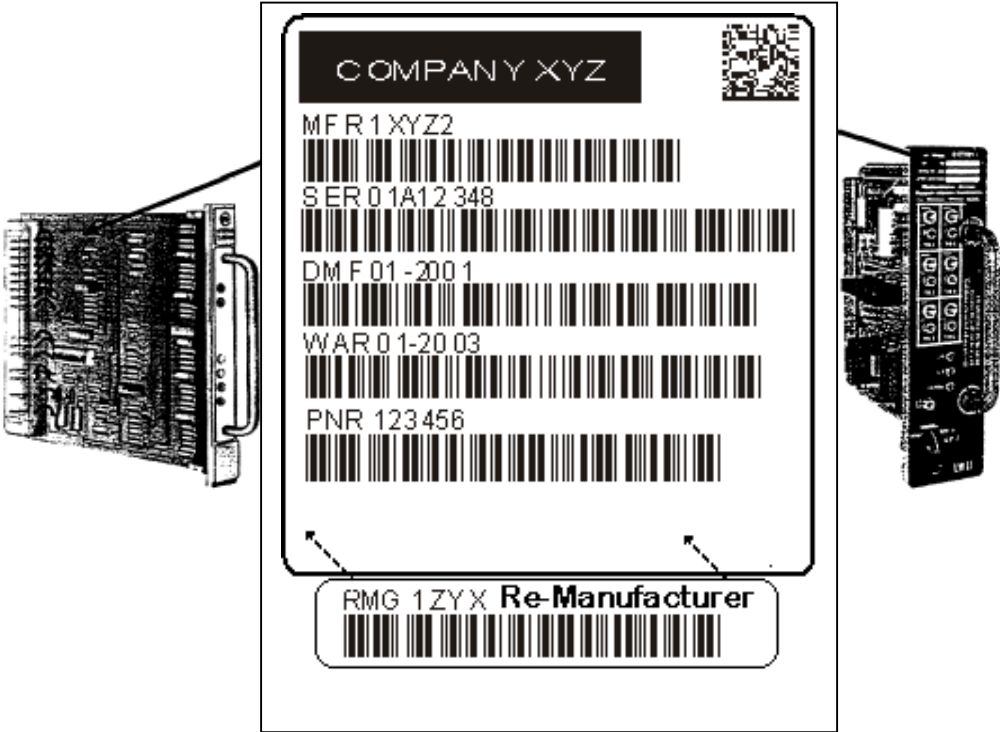
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Water Pump	Standard Number: L-1
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Fuel Pump	Standard Number: L-2
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

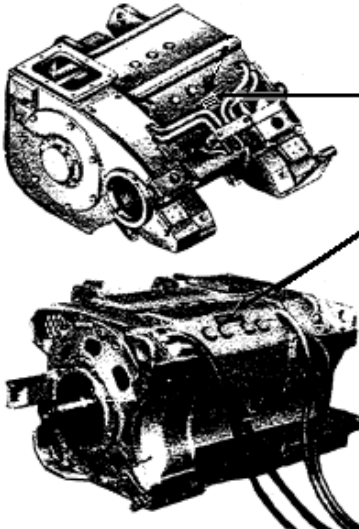







**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Module Card	Standard Number: L-3
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

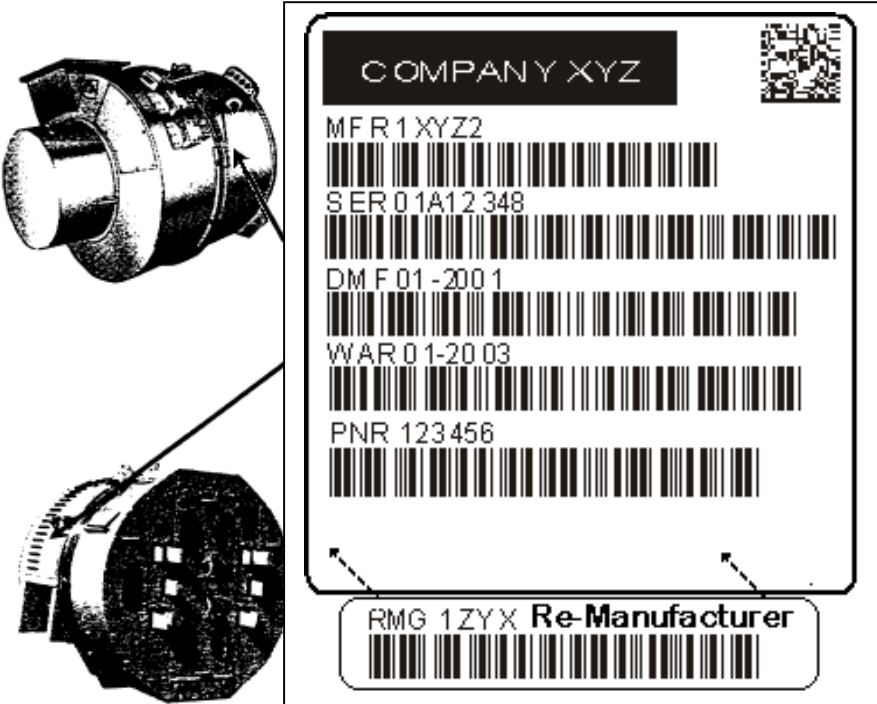
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Power Contactor	Standard Number: L- 4
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

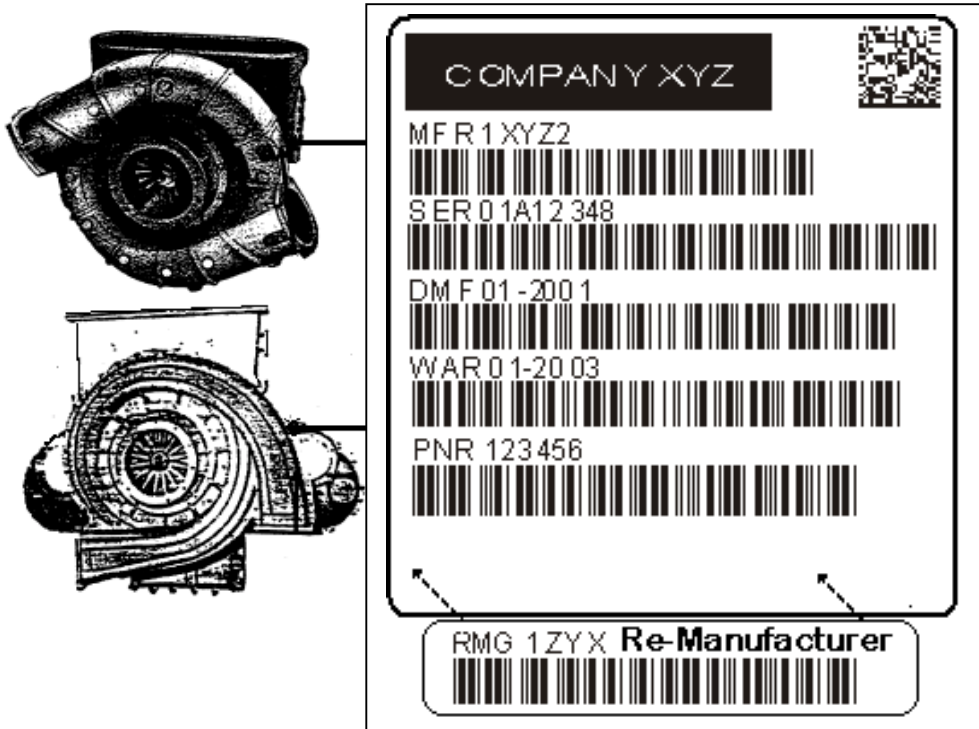
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Traction Motor	Standard Number: L-5
<div style="display: flex; align-items: center;">  <div style="border: 1px solid black; padding: 10px; margin-left: 20px;"> <div style="background-color: black; color: white; padding: 5px; text-align: center;">COMPANY XYZ</div> <div style="text-align: center;">  </div> <div style="margin-top: 10px;"> MFR 1XYZ2  SER 01A12 348  DMF 01-2001  WAR 01-2003  PNR 123456  <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> RMG 1ZYX Re-Manufacturer  </div> </div> </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

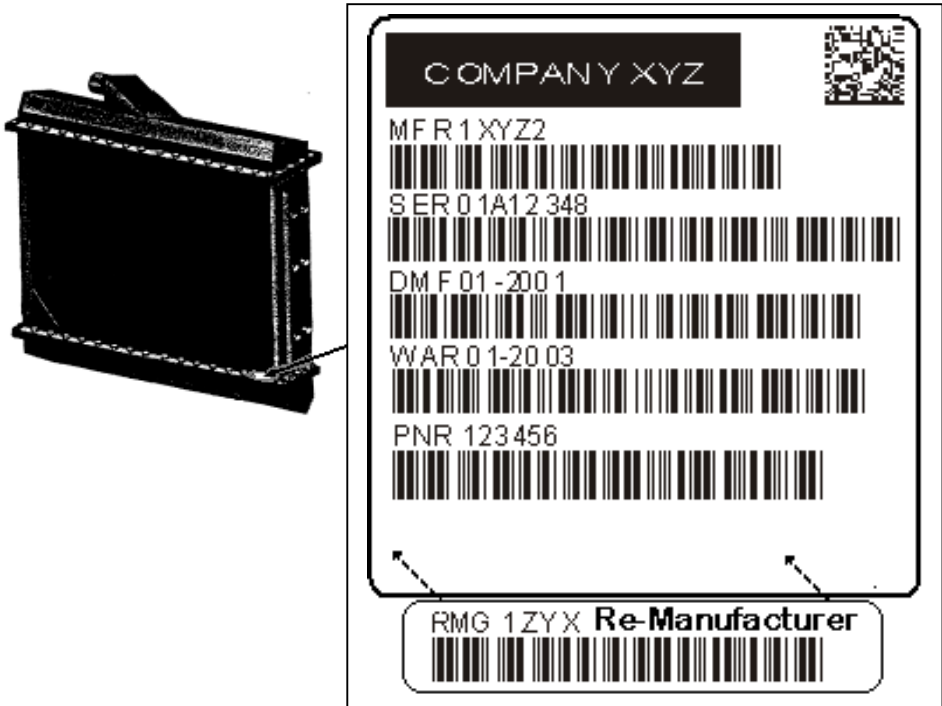
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Main Alternator	Standard Number: L-6
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

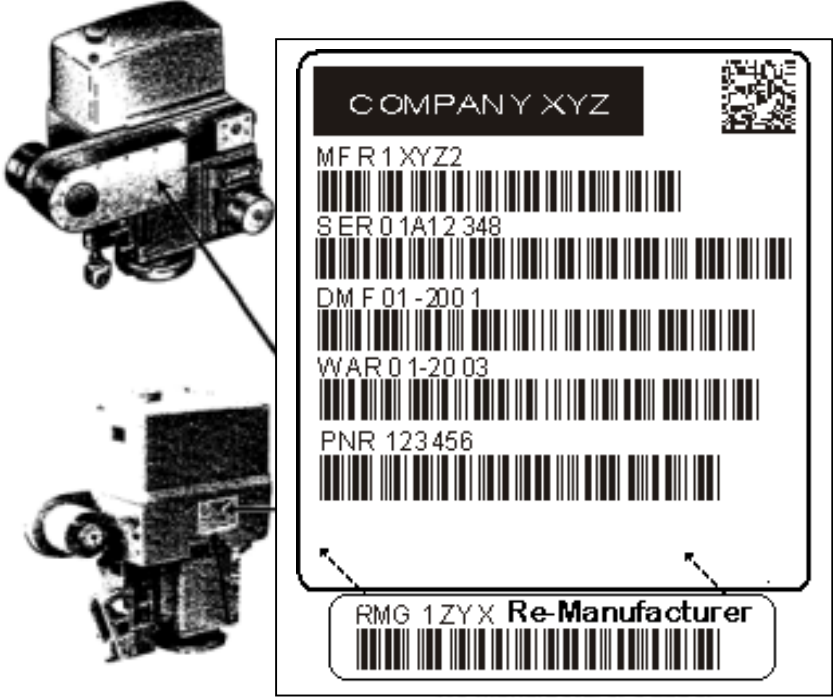
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Turbocharger	Standard Number: L-7
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

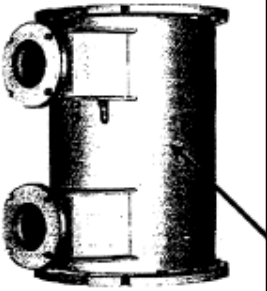







**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Radiator	Standard Number: L-8
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

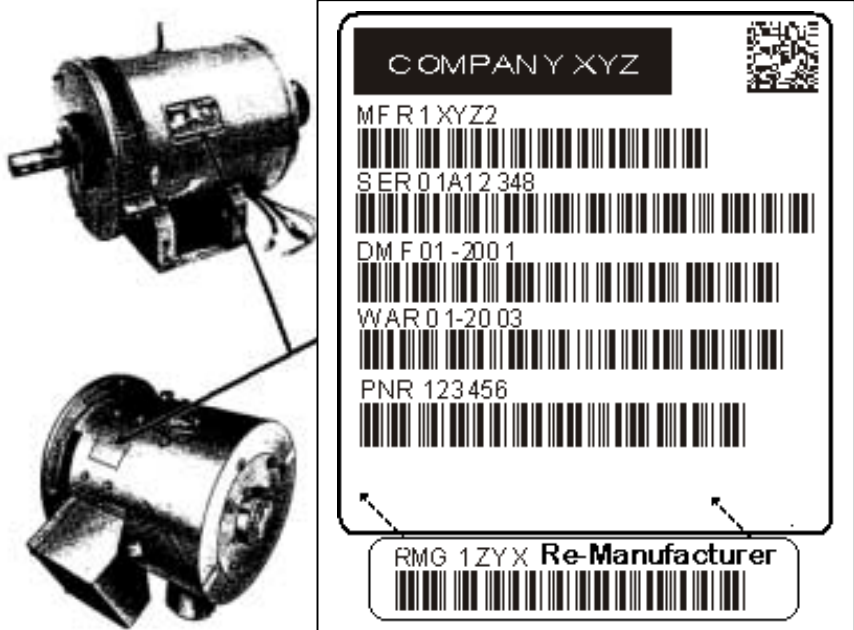
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Governor	Standard Number: L-9
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Oil Cooler	Standard Number: L-10
<div style="display: flex; align-items: center; justify-content: space-around;">  <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>COMPANY XYZ</p> <p>MFR 1XYZ2 </p> <p>SER 01A12 348 </p> <p>DMF 01-2001 </p> <p>WAR 01-20 03 </p> <p>PNR 123456 </p> <p></p> </div> </div> <div style="margin-top: 10px; text-align: center;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> RMG 1ZYX Re-Manufacturer  </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix. OEM Label will include machine and human readable information as: MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) Re-manufacturer Label will include machine and human readable information as: RMG+5-character (Cage Code Number of Re-manufacturer) Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Auxiliary Generator	Standard Number: L-11
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

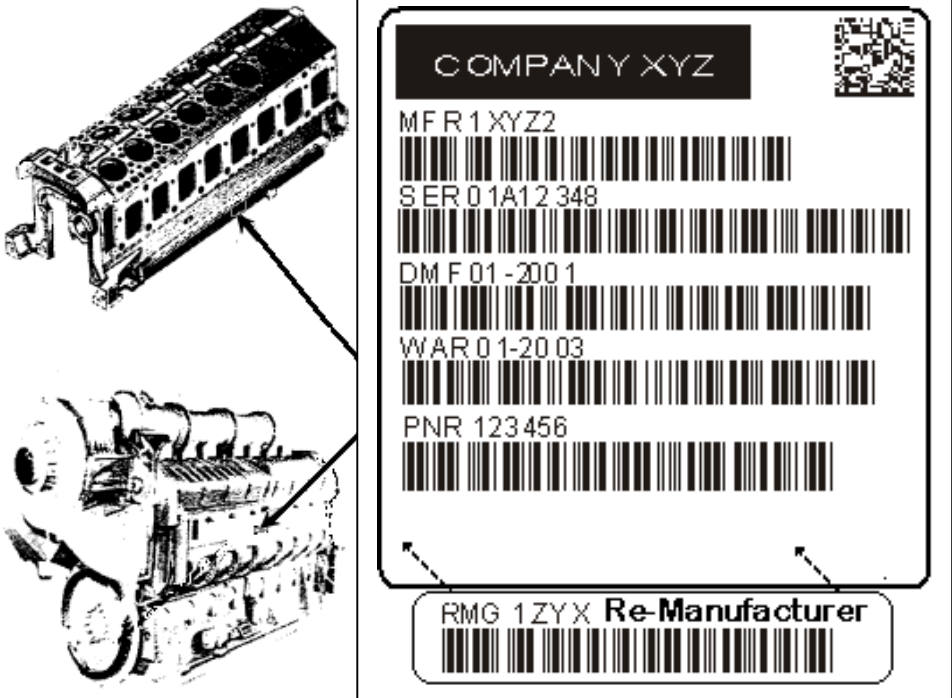
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Intercooler	Standard Number: L-12
<div data-bbox="354 321 646 730"> </div> <div data-bbox="649 331 1258 1056"> <p>COMPANY XYZ</p> <p>MFR 1XYZ2</p> <p>SER 01A12348</p> <p>DMF 01-2001</p> <p>WAR 01-2003</p> <p>PNR 123456</p> <p>RMG 1ZYX Re-Manufacturer</p> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

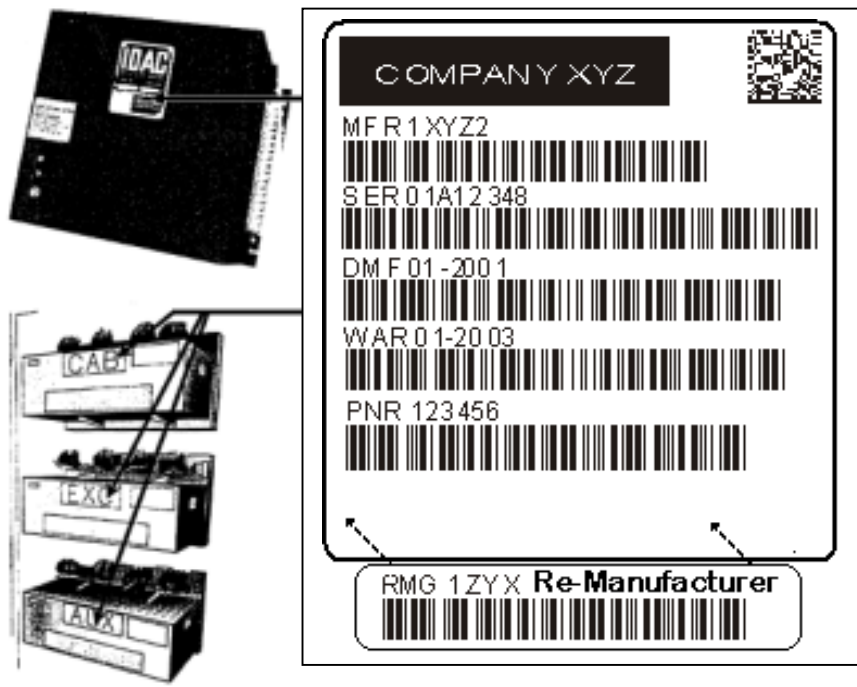
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Lube Oil Pump	Standard Number: L-13
<div data-bbox="381 359 1240 1037">  </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	








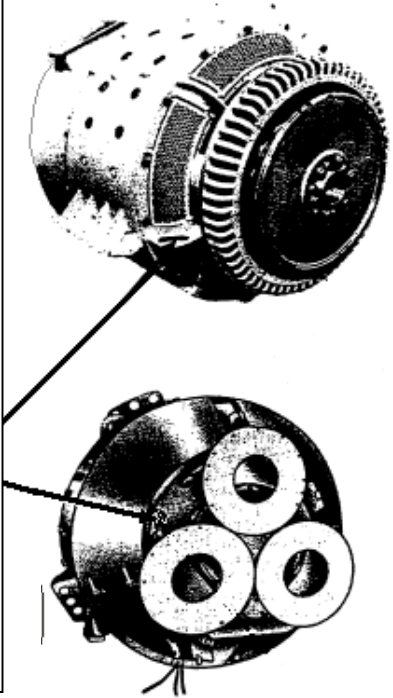
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Engine	Standard Number: L-14
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Computer Panel	Standard Number: L-15
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

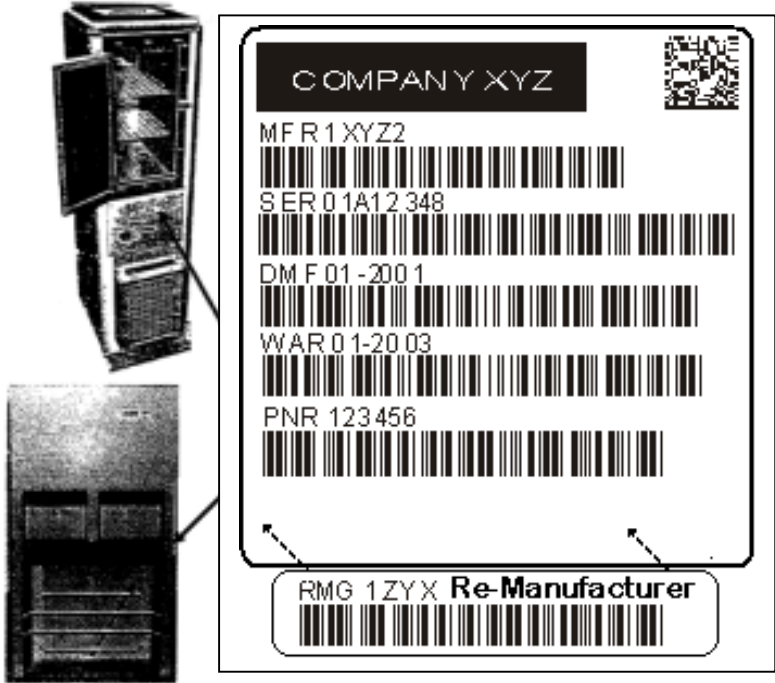
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Main Generator	Standard Number: L-16
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 10px; margin-right: 20px;"> <div style="background-color: black; color: white; padding: 5px; text-align: center;">COMPANY XYZ</div> <div style="text-align: center;">  MFR 1XYZZ  SER 01A12 348  DMF 01-200 1  WAR 01-20 03  PNR 123456  <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> RMG 1ZYX Re-Manufacturer  </div> </div> </div> <div style="text-align: center;">  </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

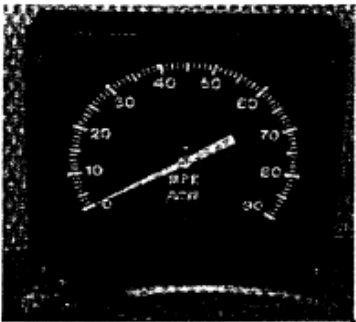

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Aftercooler	Standard Number: L-17
 <p>The diagram shows a black, rectangular aftercooler component. To its right is a detailed view of a label. The label is divided into two main sections. The top section, labeled 'COMPANY XYZ', contains the following information: MFR 1XYZ2, SER 01A12 348, DMF 01-2001, WAR 01-2003, and PNR 123456. The bottom section, labeled 'Re-Manufacturer', contains RMG 1ZYX. Arrows point from the label to the component, indicating its location.</p>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	








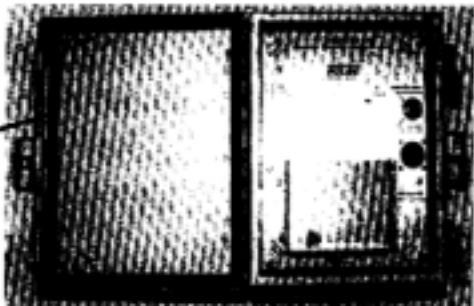
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Refrigerator	Standard Number: L-18
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	









**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Speed Indicator	Standard Number: L-19
<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;">  </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

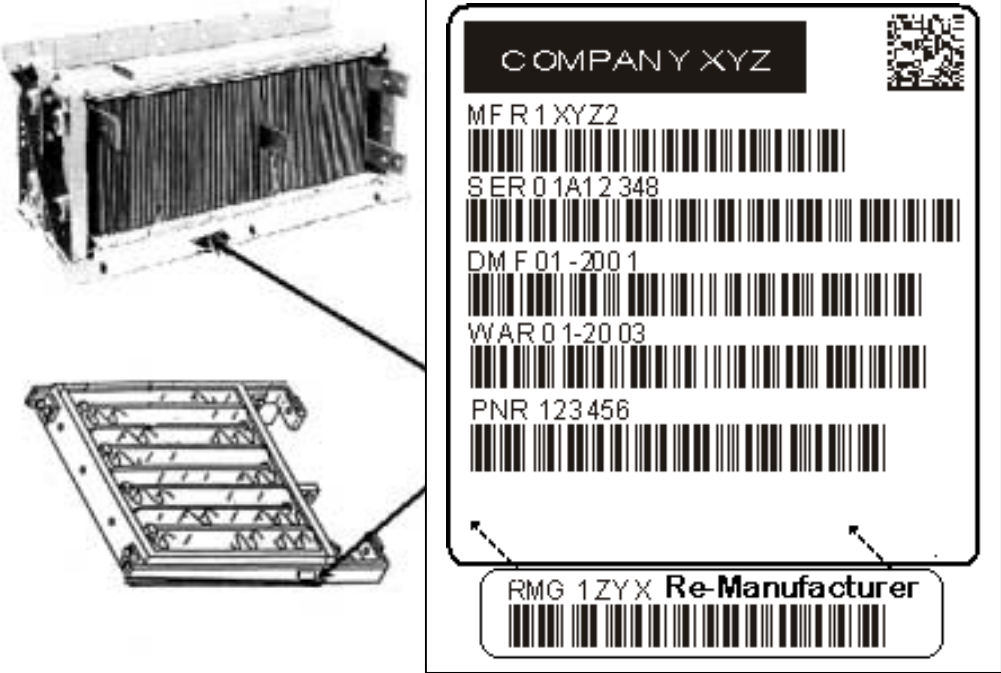
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Event Recorder	Standard Number: L-20
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 10px; margin-right: 20px;"> <div style="display: flex; justify-content: space-between;"> <div> <p>COMPANY XYZ</p> <p>MFR 1XYZ2</p>  <p>SER 01A12348</p>  <p>DMF 01-2001</p>  <p>WAR 01-2003</p>  <p>PNR 123456</p>  </div>  </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; text-align: center;"> <p>RMG 1ZYX Re-Manufacturer</p>  </div> </div> <div style="margin-left: 20px;">  </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	
Part Description: Cooling Fan	Standard Number: L-21

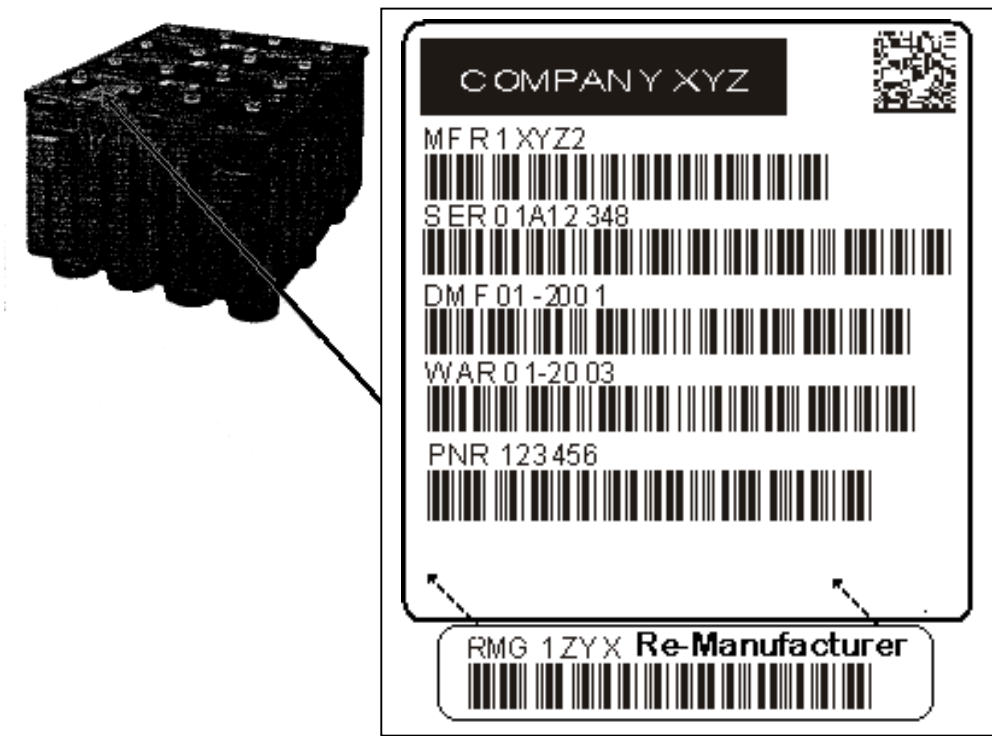
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

	<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"><div style="display: flex; justify-content: space-between; align-items: center;"><div style="background-color: black; color: white; padding: 5px; font-weight: bold;">COMPANY XYZ</div></div><div style="margin-top: 5px;">MFR 1XYZ2 </div><div style="margin-top: 5px;">SER 01A12 348 </div><div style="margin-top: 5px;">DMF 01-2001 </div><div style="margin-top: 5px;">WAR 01-2003 </div><div style="margin-top: 5px;">PNR 123456 </div><div style="margin-top: 10px; border: 1px solid black; padding: 5px; text-align: center;"><div style="display: flex; justify-content: space-between; align-items: center;"><div>RMG 1ZYX Re-Manufacturer</div></div></div></div>
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**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Dynamic Brake Grid	Standard Number: L-22
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

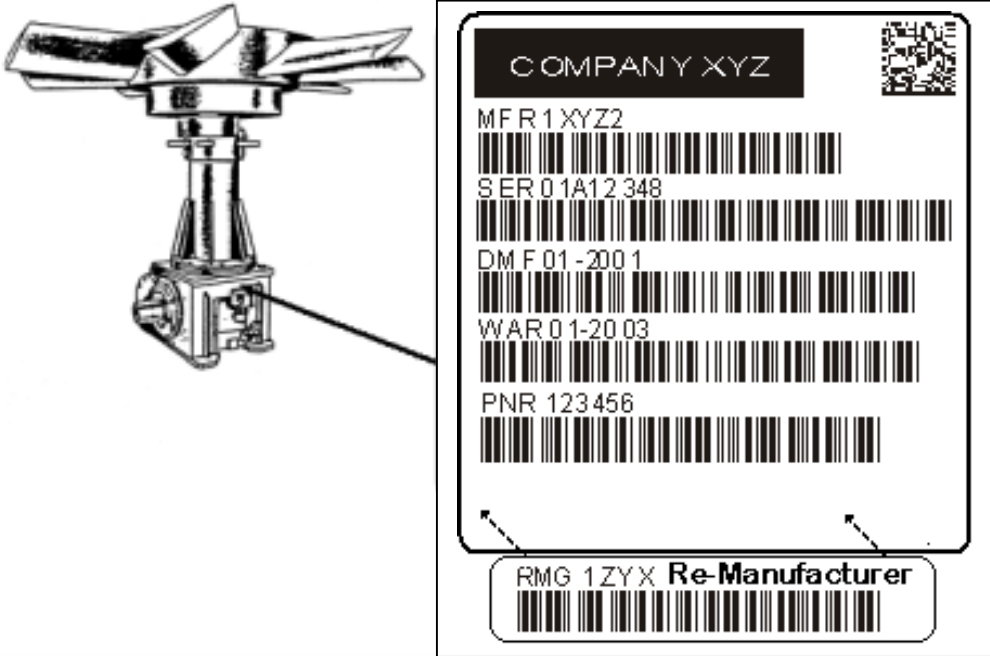
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Starting Battery	Standard Number: L-23
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	


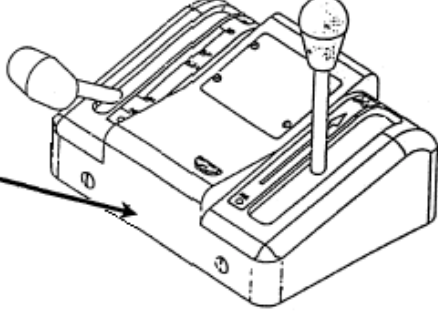
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Radio	Standard Number: L-24
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

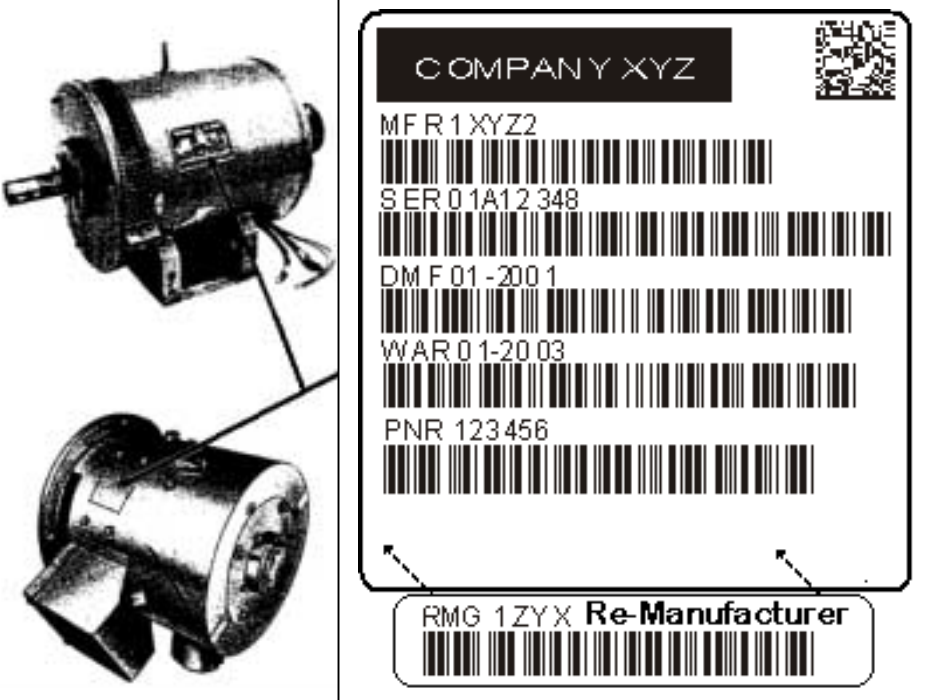
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Cooling Fan Gear Box	Standard Number: L-25
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

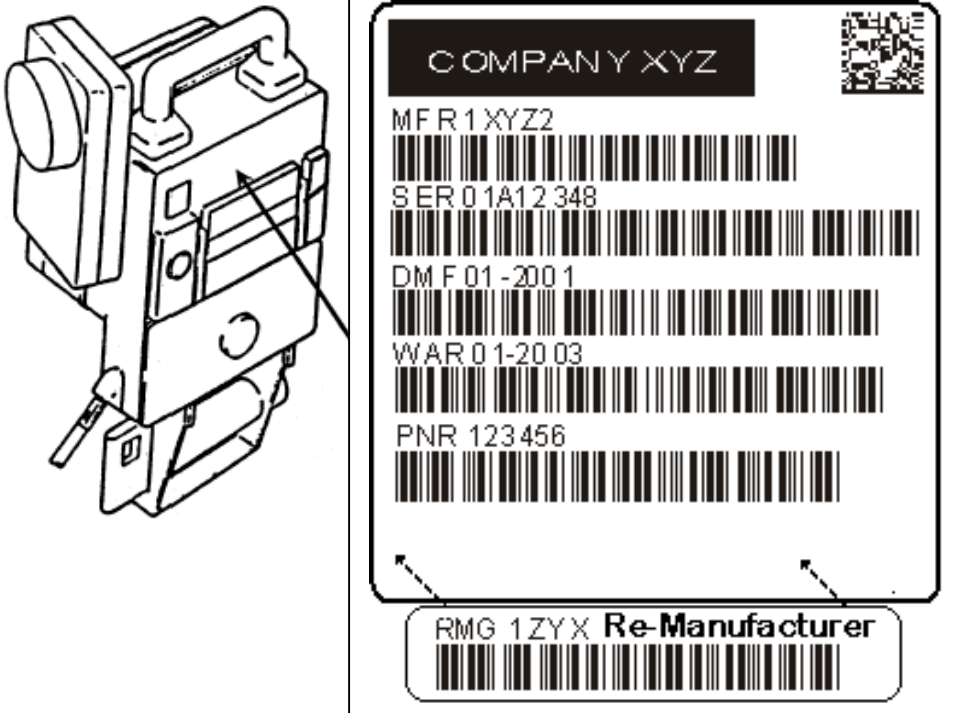
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Air Brake Controller	Standard Number: L-26
<div data-bbox="302 369 857 1056">  <p>The diagram shows a rectangular label with a black header bar containing 'COMPANY XYZ' and a QR code. Below are five sections, each with a linear barcode and alphanumeric text: 'MFR 1XYZ2', 'SER 01A12 348', 'DMF 01-2001', 'WAR 01-2003', and 'PNR 123456'. At the bottom is a separate section labeled 'RMG 1ZYX Re-Manufacturer' with its own barcode. Arrows point from the label to the component on the right.</p> </div> <div data-bbox="857 436 1300 751">  <p>The diagram shows a mechanical component, an air brake controller, with a rectangular label affixed to its side. An arrow points from the label in the previous diagram to this location on the component.</p> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

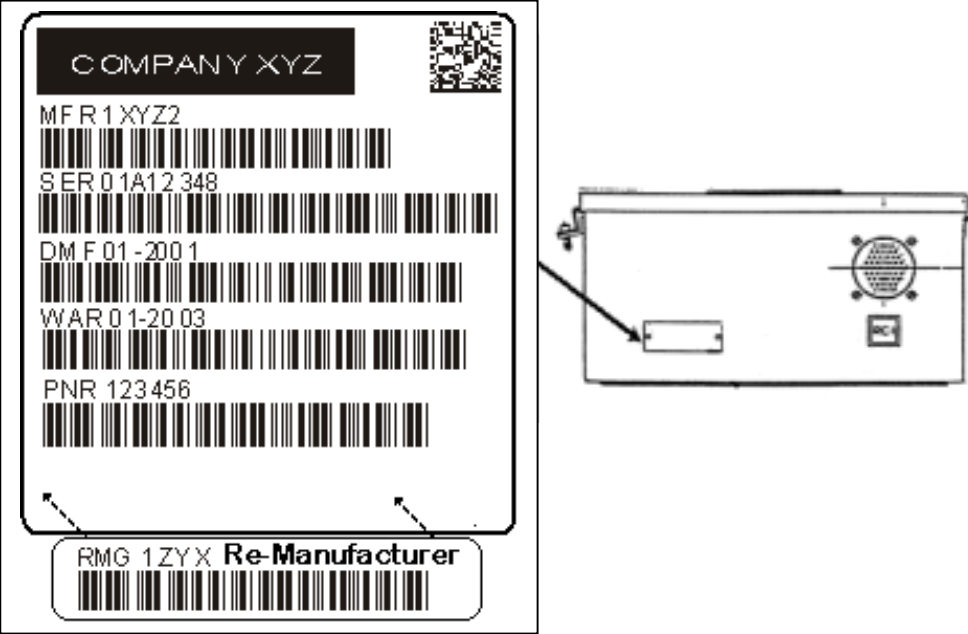
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Equipment Blower	Standard Number: L-27
 <p>The diagram illustrates the labeling requirements for an equipment blower. It shows two views of the blower component and a detailed view of the label. The label is divided into two sections: an OEM section and a Re-Manufacturer section. The OEM section includes fields for MFR, SER, DMF, WAR, and PNR, each with a corresponding barcode. The Re-Manufacturer section includes a field for RMG with a barcode. Arrows point from the text descriptions to the corresponding fields on the label.</p>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

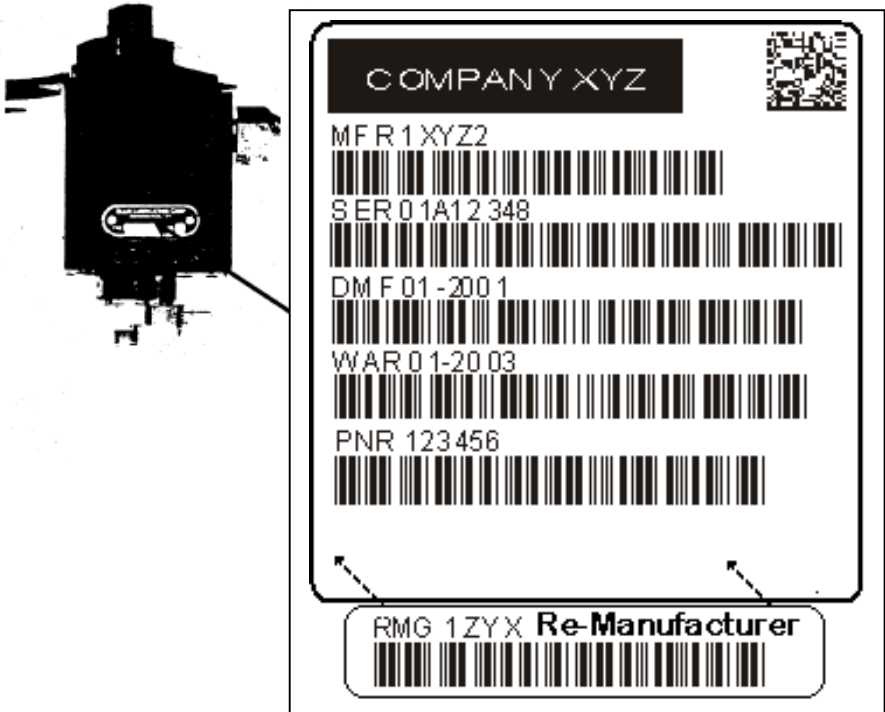
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: End of Train Device (ETD)	Standard Number: L-28
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

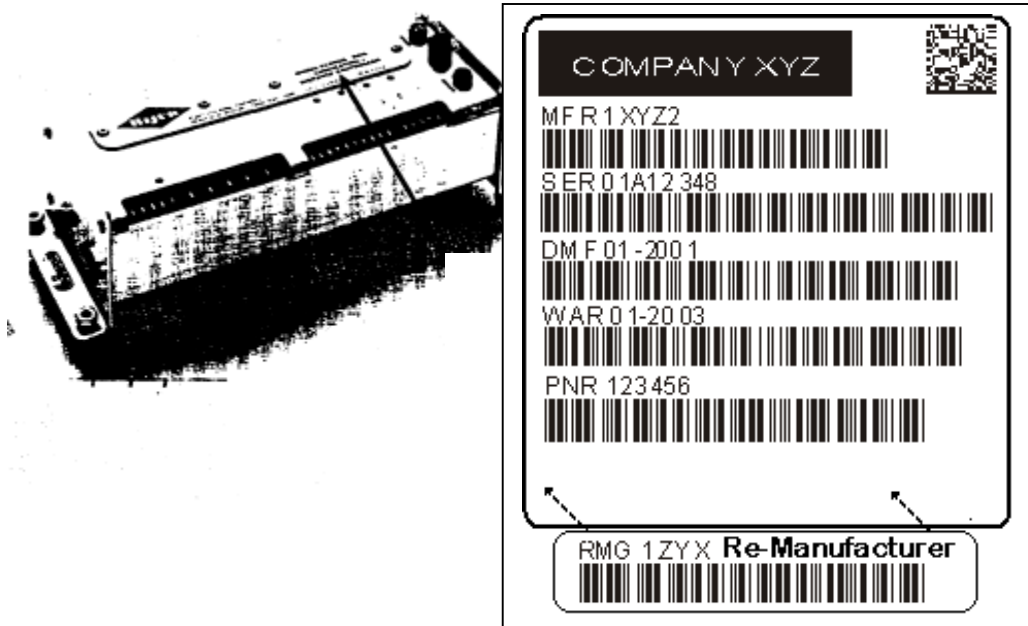
**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Head End Train Device (HED)	Standard Number: L-29
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

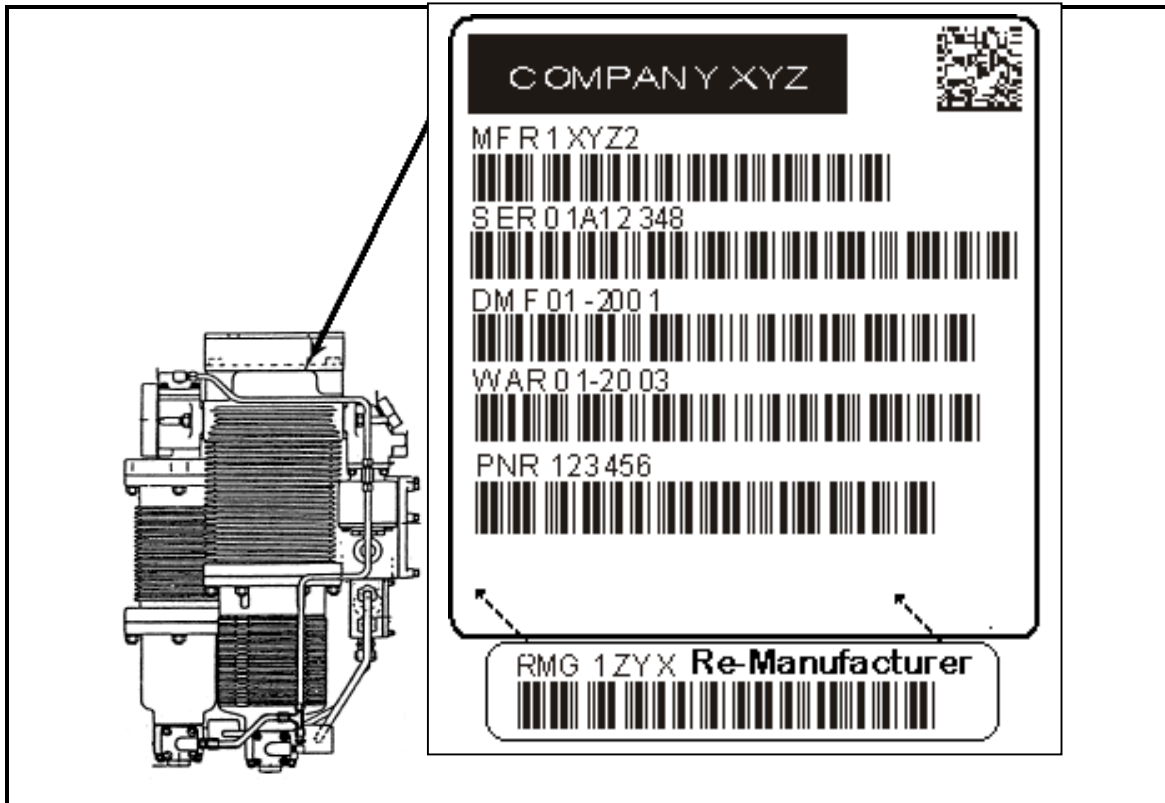
Part Description: Flange Lube Spray Valve	Standard Number: L-30
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Flange Lube Controller	Standard Number: L-31
	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	

Part Description: Air Dyer	Standard Number: L-32
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**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**



Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.

Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.

Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.

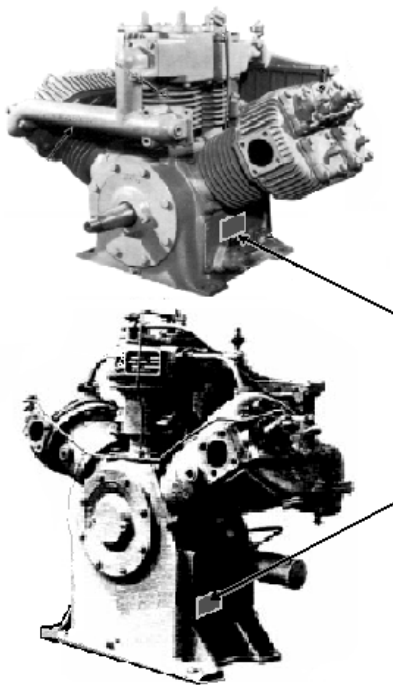







OEM Label will include machine and human readable information as:

- MFR**+5-character field (Cage Code Number)
- SER**+15-character field maximum (Serial Number of Component)
- DMF**+MMYYYY (Manufacturer Date of Component)
- PNR**+ 15-character field maximum (Part Number)
- WDT**+MMYYYY (Warranty Expiration Date of Component)

Re-manufacturer Label will include machine and human readable information as:

- RMG**+5-character (Cage Code Number of Re-manufacturer)
- Part number and Warranty Information may be changed as needed

**The Institute of Supply Management (ISM) Rail Industry Forum (RIF)
Warranty Working Group (WWG) Component Labeling Standards (CLS)**

Part Description: Air Compressor	Standard Number: L-33
<div style="display: flex; align-items: center;">  <div data-bbox="763 445 1295 1075" style="border: 1px solid black; padding: 10px; margin-left: 20px;"> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; color: white; padding: 5px;">COMPANY XYZ</div>  </div> <div style="margin-top: 5px;">MFR 1XYZ2 </div> <div style="margin-top: 5px;">SER 01A12 348 </div> <div style="margin-top: 5px;">DMF 01-2001 </div> <div style="margin-top: 5px;">WAR 01-20 03 </div> <div style="margin-top: 5px;">PNR 123456 </div> <div style="margin-top: 10px; border: 1px solid black; padding: 5px; text-align: center;"> RMG 1ZYX Re-Manufacturer  </div> </div> </div>	
<p>Label Description: A durable label will be affixed to the serialized component. It will show the OEM Original Equipment Manufacturer Number, Serial Number and Manufacture Date on one section. The second section will show the Part Number and Warranty Expiration Date. Any changes or additional information i.e.: Re-manufacturer Number and a new Warranty Expiration Date may be added to the label. The label will be permanently attached and designed to survive for the life of the part. Information will be machine and human readable.</p>	
<p>Label Location: Label shall be affixed or applied in a way that does not interfere with the operation of the component; in a conspicuous location to facilitate ease of reference while in service, disassembled and while in transport. Suggested location for label is indicated above.</p>	
<p>Label Requirements: All bar code symbologies will be in a linear Code 128 (preferred) or Code 39 and/or or if limited due to space in a 2-D format called DataMatrix.</p> <p>OEM Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> MFR+5-character field (Cage Code Number) SER+15-character field maximum (Serial Number of Component) DMF+MMYYYY (Manufacturer Date of Component) PNR+ 15-character field maximum (Part Number) WDT+MMYYYY (Warranty Expiration Date of Component) <p>Re-manufacturer Label will include machine and human readable information as:</p> <ul style="list-style-type: none"> RMG+5-character (Cage Code Number of Re-manufacturer) <p>Part number and Warranty Information may be changed as needed</p>	