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.
### APPENDIX B

Index of COMPONENT LABELING STANDARD LOCATIONS

<table>
<thead>
<tr>
<th>Locomotive Component Examples</th>
<th>Freight Car Component Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Std.</td>
<td>Description</td>
</tr>
<tr>
<td>L-1</td>
<td>Water Pump</td>
</tr>
<tr>
<td>L-2</td>
<td>Fuel Pump</td>
</tr>
<tr>
<td>L-3</td>
<td>Module Card</td>
</tr>
<tr>
<td>L-4</td>
<td>Power Contacter</td>
</tr>
<tr>
<td>L-5</td>
<td>Traction Motor</td>
</tr>
<tr>
<td>L-6</td>
<td>Main Alternator</td>
</tr>
<tr>
<td>L-7</td>
<td>Turbocharger</td>
</tr>
<tr>
<td>L-8</td>
<td>Radiator</td>
</tr>
<tr>
<td>L-9</td>
<td>Governor</td>
</tr>
<tr>
<td>L-10</td>
<td>Oil Cooler</td>
</tr>
<tr>
<td>L-11</td>
<td>Auxiliary Generator</td>
</tr>
<tr>
<td>L-12</td>
<td>Intercooler</td>
</tr>
<tr>
<td>L-13</td>
<td>Lube Oil Pump</td>
</tr>
<tr>
<td>L-14</td>
<td>Engine</td>
</tr>
<tr>
<td>L-15</td>
<td>Computer Panel</td>
</tr>
<tr>
<td>L-16</td>
<td>Main Generator</td>
</tr>
<tr>
<td>L-17</td>
<td>Aftercooler</td>
</tr>
<tr>
<td>L-18</td>
<td>Refrigerator</td>
</tr>
<tr>
<td>L-19</td>
<td>Speed Indicator</td>
</tr>
<tr>
<td>L-20</td>
<td>Event Recorder</td>
</tr>
<tr>
<td>L-21</td>
<td>Cooling Fan</td>
</tr>
<tr>
<td>L-22</td>
<td>Dynamic Brake Grid</td>
</tr>
<tr>
<td>L-23</td>
<td>Starting Battery</td>
</tr>
<tr>
<td>L-24</td>
<td>Radio</td>
</tr>
<tr>
<td>L-25</td>
<td>Cooling Fan Gearbox</td>
</tr>
<tr>
<td>L-26</td>
<td>Air Brake Controller</td>
</tr>
<tr>
<td>L-27</td>
<td>Equipment Blower</td>
</tr>
<tr>
<td>L-28</td>
<td>End of Train Device</td>
</tr>
<tr>
<td>L-29</td>
<td>Head End Device</td>
</tr>
<tr>
<td>L-30</td>
<td>Flange Lube Nozzle</td>
</tr>
<tr>
<td>L-31</td>
<td>Lube Controller</td>
</tr>
<tr>
<td>L-32</td>
<td>Air Dyer</td>
</tr>
<tr>
<td>L-33</td>
<td>Air Compressor</td>
</tr>
</tbody>
</table>

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

Document Version 11-13-02
Part Description: Cushion Device, End of Car

Standard Number: C-1

| 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 |
Part Description: Brake Slack Adjuster

<table>
<thead>
<tr>
<th>Standard Number: C-2</th>
</tr>
</thead>
</table>

**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.
Part Description: Emergency Air Brake Portion
Standard Number: C-3

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)

<table>
<thead>
<tr>
<th>Part Description: Service Air Brake Portion</th>
<th>Standard Number: C- 4</th>
</tr>
</thead>
</table>

![Label Image]

**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.
Part Description: Air Brake Pipe Bracket

Standard Number: C-5

**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.
Part Description: Friction Gear

Standard Number: C-6

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.
### Part Description: Hand Brake

<table>
<thead>
<tr>
<th>Standard Number: C-7</th>
</tr>
</thead>
</table>

#### 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 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.
### Part Description: Outlet Gate

| Standard Number: C-8 |

#### 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 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.
### Part Description: Hatch Cover

<table>
<thead>
<tr>
<th>Standard Number: C-9</th>
</tr>
</thead>
</table>

![Label Example](image)

**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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR</td>
<td>5-character field (Cage Code Number)</td>
</tr>
<tr>
<td>SER</td>
<td>15-character field maximum (Serial Number of Component)</td>
</tr>
<tr>
<td>DMF</td>
<td>MMYYYY (Manufacturer Date of Component)</td>
</tr>
<tr>
<td>PNR</td>
<td>15-character field maximum (Part Number)</td>
</tr>
<tr>
<td>WDT</td>
<td>MMYYYY (Warranty Expiration Date of Component)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RMG</td>
<td>5-character (Cage Code Number of Re-manufacturer)</td>
</tr>
</tbody>
</table>

Part number and Warranty Information may be changed as needed.
<table>
<thead>
<tr>
<th>Part Description:</th>
<th>Brake Beam</th>
<th>Standard Number:</th>
<th>C-10</th>
</tr>
</thead>
</table>

![Component Labeling Standards Diagram](image)

**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 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

Document Revision: 11-13-02

Page 13 of 50
The Institute of Supply Management (ISM) Rail Industry Forum (RIF)  
Warranty Working Group (WWG) Component Labeling Standards (CLS)

<table>
<thead>
<tr>
<th>Part Description:</th>
<th>Load Divider</th>
<th>Standard Number: C-11</th>
</tr>
</thead>
</table>

- **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

---

Document Revision: 11-13-02  
Page 14 of 50
<table>
<thead>
<tr>
<th>Part Description:</th>
<th>Yaw Damper</th>
<th>Standard Number: C-12</th>
</tr>
</thead>
</table>

**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.
Part Description: Empty Load Device  
Standard Number: C-13

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
Part Description: Wheel  Standard Number: C-14

Note: Labels may be applied to additional locations on the wheel as identified by contract, such as, on the tread surface.

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.

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.

Label Requirements: All bar code symbologies will be linear Code 39. OEM Label will include machine and human readable information as:
- 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)

Remanufacture Label will include machine and human readable information as:
- Wheel Turning Facility + 8 (Company Mark and Location)
Part Description: Water Pump  
Standard Number: L-1

**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 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.
Part Description: Fuel Pump  
Standard Number: L-2

| 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 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 |
Part Description: Module Card  
Standard Number: L-3

**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.
Part Description: Power Contactor

Standard Number: L-4

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.
Part Description: Traction Motor  
Standard Number: L-5

**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.
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
<table>
<thead>
<tr>
<th>Part Description: Turbocharger</th>
<th>Standard Number: L-7</th>
</tr>
</thead>
</table>

![Image of Turbocharger]

### 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.
**Part Description:** Radiator  
**Standard Number:** L-8

---

**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.
Part Description: Governor

Standard Number: L-9

**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.
### Part Description: Oil Cooler  
### Standard Number: L-10

<table>
<thead>
<tr>
<th>COMPANY XYZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFR 1 XYZ2</td>
</tr>
<tr>
<td>SER 01A12348</td>
</tr>
<tr>
<td>DMF 01-2001</td>
</tr>
<tr>
<td>WAR 01-2003</td>
</tr>
<tr>
<td>PNR 123456</td>
</tr>
<tr>
<td>RMG 1 XYZ Re-Manufacturer</td>
</tr>
</tbody>
</table>

**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.
**Part Description:** Auxiliary Generator  
**Standard Number:** L-11

<table>
<thead>
<tr>
<th>Label Description</th>
<th>Label Location</th>
<th>Label Requirements</th>
</tr>
</thead>
</table>
| 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 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. | 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 |
Part Description: Intercooler

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
Part Description:  Lube Oil Pump  
Standard Number:  L-13

**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.

---

Document Revision: 11-13-02  
Page 30 of 50
Part Description: Engine

Standard Number: L-14

<table>
<thead>
<tr>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>
### 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
**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.
**Part Description: Aftercooler**  
**Standard Number: L-17**

![Diagram of label placement](image)

**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.
Part Description: Refrigerator  

<table>
<thead>
<tr>
<th>Standard Number: L-18</th>
</tr>
</thead>
</table>

**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
Part Description: Speed Indicator

Standard Number: L-19

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 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
# 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.

### Parts Description:

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Standard Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Event Recorder</strong></td>
<td><strong>L-20</strong></td>
</tr>
<tr>
<td>![Label Diagram]</td>
<td></td>
</tr>
</tbody>
</table>

![Barcode Examples]
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**: MM/YYYY (Manufacturer Date of Component)
- **PNR**: 15-character field maximum (Part Number)
- **WDT**: MM/YYYY (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.
### Part Description: Dynamic Brake Grid

<table>
<thead>
<tr>
<th>Standard Number: L-22</th>
</tr>
</thead>
</table>

#### 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.
**Part Description:** Starting Battery  
**Standard Number:** L-23

![Label Image]

**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 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

---

Document Revision: 11-13-02  
Page 40 of 50
Part Description: Radio

Standard Number: L-24

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.
Part Description: Cooling Fan Gear Box  Standard Number: L-25

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.
Part Description: Air Brake Controller

Standard Number: L-26

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 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.
<table>
<thead>
<tr>
<th>Part Description:</th>
<th>Equipment Blower</th>
<th>Standard Number: L-27</th>
</tr>
</thead>
</table>

**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.
Part Description: End of Train Device (ETD)  
Standard Number: L-28

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.
### Part Description: Head End Train Device (HED) | Standard Number: L-29

<table>
<thead>
<tr>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Label Location:</strong> 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.</td>
</tr>
<tr>
<td><strong>Label Requirements:</strong> 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:</td>
</tr>
<tr>
<td><strong>MFR</strong>+5-character field (Cage Code Number)</td>
</tr>
<tr>
<td><strong>SER</strong>+15-character field maximum (Serial Number of Component)</td>
</tr>
<tr>
<td><strong>DMF</strong>+MMYYYY (Manufacturer Date of Component)</td>
</tr>
<tr>
<td><strong>PNR</strong>+ 15-character field maximum (Part Number)</td>
</tr>
<tr>
<td><strong>WDT</strong>+MMYYYY (Warranty Expiration Date of Component)</td>
</tr>
<tr>
<td>Re-manufacturer Label will include machine and human readable information as:</td>
</tr>
<tr>
<td><strong>RMG</strong>+5-character (Cage Code Number of Re-manufacturer)</td>
</tr>
<tr>
<td>Part number and Warranty Information may be changed as needed</td>
</tr>
<tr>
<td>Part Description: Flange Lube Spray Valve</td>
</tr>
</tbody>
</table>

**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 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.
Part Description: Flange Lube Controller | Standard Number: L-31

**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 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.

---

Part Description: Air Dyer | Standard Number: L-32

Document Revision: 11-13-02
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.
Part Description: Air Compressor  
Standard Number: L-33

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 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