**Brake Monitoring System (BMS-1)**

**Main Functions:**
- Warns Driver of Potential Brake Drag (Service or Spring).
- Warns Driver of Incorrect Gladhand Connections.
- Warns Driver of Closed Gladhand Shut-Off Valves.
- Warns Driver of Air System Leaks on Emergency Line.
- Warns Driver of Incorrect Gladhand Connections.
- Warns Driver of Potential Brake Drag (Service or Spring).

**Service Kits**

- Service Chambers should apply.
- Service Chambers should apply.
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**Functional Test for Brake Monitoring System (BMS-1)**

**Note:** All Power and Air Pressure must be removed prior to start of this test.

**Step 1:** Apply 12 volts to the Blue ABS Pin # 7 on the 7-Way.
- The Brake Monitoring System (BMS-1) alarm will shut-off.

**Step 2:** Apply 12 volts to the Red Stoplight Pin # 4 on the 7-Way.
- Wait 60 seconds and the Brake Monitoring System (BMS-1) alarm will sound.

**Step 3:** Apply 12 volts to the Red Stoplight Pin # 4 on the 7-Way.
- The Brake Monitoring System (BMS-1) alarm will shut-off.

**Step 4:** Charge the Blue (In) Service Gladhand to (90-120 PSI).
- If the alarm continues to sound, see L31250 Installation/ Troubleshooting Guide for Brake Monitoring System (BMS-1).

**Functional Test for Brake Monitoring System (BMS-1)**

**Note:** All Power and Air Pressure must be removed prior to start of this test.

**Step 1:** Apply 12 volts to the Blue ABS Pin # 7 on the 7-Way.
- The Brake Monitoring System (BMS-1) alarm will sound after 15 seconds.

**Step 2:** Charge the Red (In) Emergency Gladhand to (90-120 PSI).
- The Brake Monitoring System (BMS-1) alarm will shut-off.

**Step 3:** Apply 12 volts to the Red Stoplight Pin # 4 on the 7-Way.
- The Brake Monitoring System (BMS-1) alarm will shut-off.

**Step 4:** Charge the Blue (In) Service Gladhand to (90-120 PSI).
- If the alarm continues to sound, see L31250 Installation/ Troubleshooting Guide for Brake Monitoring System (BMS-1).

**Front of Trailer**

- The Brake Monitoring System (BMS-1) alarm will sound after 15 seconds.
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**Horizontal Mounting**

**Mounting Location and Orientation**

**Brake Monitoring System (BMS-1)**

- Power (In)
- Power (Out)
- Emergency Port 1/4" Tubing (Red)
- Service Port 1/4" Tubing (Blue)
- Electronic Box
- Alarm

**Front of Trailer**

- Vertical Mounting (Recommended)
- Ground
- Ground
- Vertical Mounting
- Ground
- Horizontal Mounting
- Do Not mount upside down

**Rear of Trailer**

- Vertical Mounting (Recommended)
- Ground
- Ground
- Vertical Mounting
- Ground
- Horizontal Mounting
- Do Not mount upside down

**Components and Accessories**

- Pin Location for 7-Way Connector
- 7-Way Connector
- Emergency Port 1/4" Tubing (Red)
- Service Port 1/4" Tubing (Blue)
- Electronic Box
- Power (Out)
- Ground Pin # 1
- Blue ABS Pin # 7
- Red Stoplight Pin # 4