**Bendix® Air Brake System Troubleshooting**

**ABS without ESP® Stability System**

**TEST 1**

**Governor Check-Up - Low Pressure Warning - Pressure Build-Up**

**Vehicle Types: Single, Dual**

- If there is no pressure in the system, check the following:
  - Air compressor
  - Air reservoirs
  - Air lines
  - Air fittings

- If there is pressure in the system, check:
  - Air compressor
  - Air reservoirs
  - Air lines
  - Air fittings

**CHECKLIST 1**

- If the low pressure warning lamp doesn’t come on:
  - Check the wiring harness
  - Check the relay

- If the governor cut-out is higher than or less than specified by the vehicle manual:
  - Check the governor

**TEST 2**

**System Leakage**

**Vehicle Types: Single, Dual**

- If there is excessive leakage in the supply side of the pneumatic system, one or more of the following devices could be causing the problem:
  - Fittings
  - Brake valves
  - Service brake line fittings
  - Service brake line
d
  - Drain valves

- If there is no leakage in the supply side of the pneumatic system, one or more of the following devices could be causing the problem:
  - Fittings
  - Brake valves
  - Service brake line fittings
  - Service brake line
d
  - Drain valves

**CHECKLIST 2**

- If there is no leakage in the supply side of the pneumatic system, one or more of the following devices could be causing the problem:
  - Fittings
  - Brake valves
  - Service brake line fittings
  - Service brake line
d
  - Drain valves

**TEST 4**

**Leakage Service Air Inlet**

**Vehicle Types: Single, Dual**

- If there is excessive leakage in the supply side of the pneumatic system, one or more of the following devices could be causing the problem:
  - Fittings
  - Brake valves
  - Service brake line fittings
  - Service brake line
d
  - Drain valves

- If there is no leakage in the supply side of the pneumatic system, one or more of the following devices could be causing the problem:
  - Fittings
  - Brake valves
  - Service brake line fittings
  - Service brake line
d
  - Drain valves

**CHECKLIST 3**

- If there is no leakage in the supply side of the pneumatic system, one or more of the following devices could be causing the problem:
  - Fittings
  - Brake valves
  - Service brake line fittings
  - Service brake line
d
  - Drain valves

**TEST 6**

**Manual Parking Brake Operation**

**Vehicle Types: Single, Dual**

- If there is no pressure in the system, check:
  - Parking brake application
  - Brake valve actuator

- If there is pressure in the system, check:
  - Parking brake application
  - Brake valve actuator

**CHECKLIST 4**

- If there is no pressure in the system, check:
  - Parking brake application
  - Brake valve actuator

- If there is pressure in the system, check:
  - Parking brake application
  - Brake valve actuator

**VISIT BENDIX AIR BRAKE SCHOOL.COM OR FOUNDATIONBRAKES.COM FOR ADDITIONAL INFORMATION AND TRAINING MATERIALS**

**Attend Bendix Brake School or visit school.bendix.com for air brake system and product training.**
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(ABS without ESP® Stability System)

**Typical Tractor System Schematic with Bendix® Components**

**Typical Truck System Schematic with Bendix® Components**

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**Notes:**
- The color coding of the brake system schematic follows TMC Recommended Practice #423.
- Air disc & drum brake actuation combined on a single axle are shown for pictorial purposes only.
- Equipped with standard Bendix® ABS Antilock Brake System
- Equipped with Bendix® ABS and Smart ATC™ Traction Control

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**TRUCKS AND TRUCK TRACTORS:**

- Charging
- Primary
- Secondary
- Park (Supply)
- Parking (Control)
- Accessories

Bendix® brand wheel end solutions are brought to you by Bendix Spicer Foundation Brake LLC, a Bendix CVS and Dana CVP joint venture.