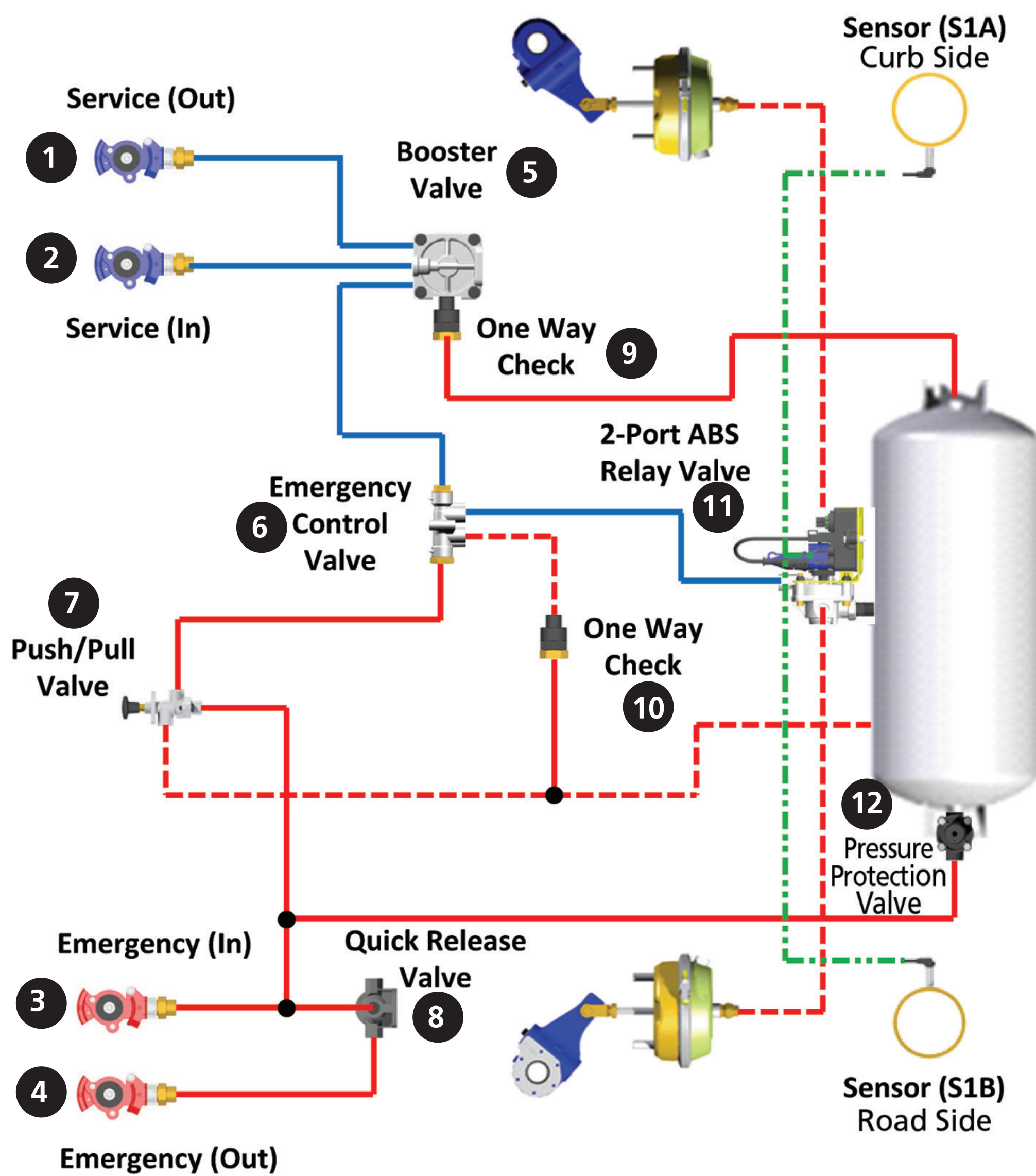
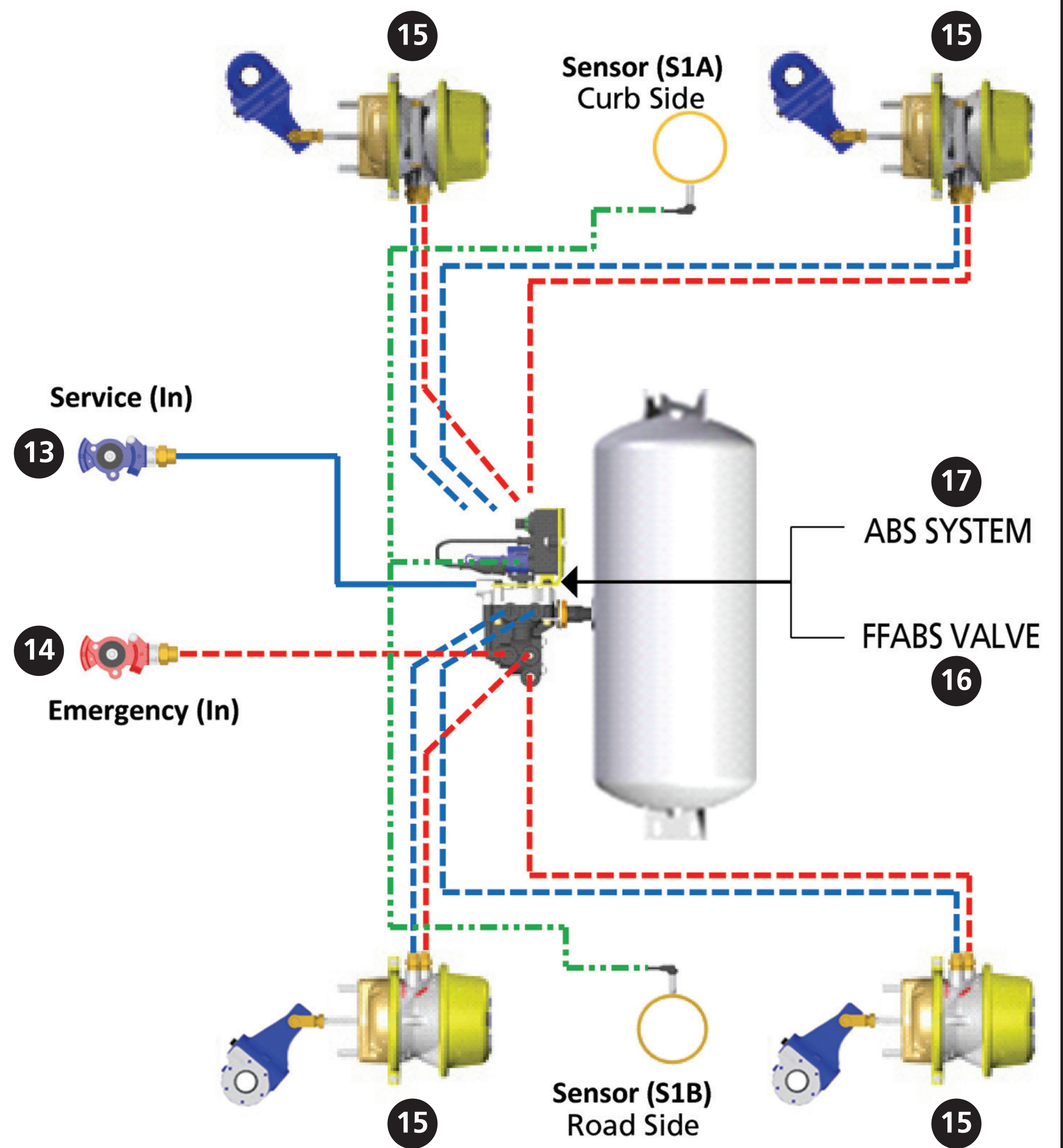


### 2S/1M Dolly With No Spring Brakes



### 2S/1M Semi Trailer Full Function ABS Valve System



### Dolly With No Spring Brakes Complaint/Remedy

- 3 Gladhands (Red) from Lead & Rear Trailers (Supply/Emergency)**  
Leaks air when dolly's air tank is full and all gladhands are vented to atmosphere
- 4**
  - Replace combination one way check pressure protection valve # **12**
- 5 Fast Air Balancing Valve (FAB)**  
Leaks air out exhaust when dolly's air tank is full, and all gladhands are vented to atmosphere. See Fig. 1
  - Replace FAB valve # **5**
- Leaks air out exhaust when connected to semi, red gladhand charged, park brakes released.
  - Anti-compound check valve bad inside Semi Trailer's Full Function Valve. Refer to # **16** on Semi Trailer Troubleshooting.
- 6 Emergency Control Valve: Refer to the Haldex L31275W Dolly Troubleshooting Guide**
- 7 Hostler Valve: Used to Release the Parking/Emergency Brakes When not in Tow**  
Can't be pushed in to release brakes, and/or doesn't reset out when in tow.  
Replace Hostler Valve # **7**
- 8 False Charge Quick Release Valve**  
Leaks at Exhaust When Parking Brakes are Released
  - Replace false charge quick release valve # **8**
- Leaks at Exhaust When Service Brakes are Applied, Parking Brakes Released
  - Valve detects a false charge condition; Insure all shut off valves between all trailers are in the opened position
- 9 Control Line Retention Check Valve**  
Operationally Check: Open Dolly's Air Tank Drain, Apply Air to Gladhand # **1** Plug Gladhand # **2**
  - Replace check valve # **9** if air leakage is detected at dolly's air tank drain
- 10 Non Charging Check Valve: Refer to the Haldex L31275W Dolly troubleshooting Guide**
- 11 ABS System: Refer to the Haldex L30041 Installation/Service Manual**

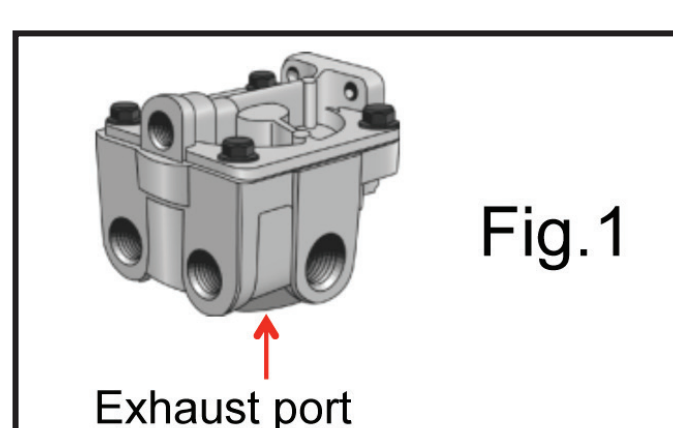


Fig. 1

Exhaust port

L60040  
US 4/19 2.5M LS (Last Rev. 10/14)  
Printed In The USA

### Semi Trailer Full Function ABS Valve System Complaint/Remedy

- 13 Gladhand Blue (Service/Control)**  
Leaks air when red supply/emergency gladhand is charged with air.
  - Remove air from red gladhand, if air leak stops, the anti-compound check valve (within the Full Function Valve) is contaminated or defective. Apply air to the blue service gladhand for approx. 10 seconds (air will flow out the red supply gladhand, this is normal). Retest by applying air to the red supply gladhand (repeat several times if needed) if air still leaks out the blue gladhand, replace Full Function Valve # **16**
- 14 Gladhand Red (Supply/Emergency)**  
Leaks air when blue service/control gladhand is charged with air.
  - No action is necessary, this is normal (refer to complaint above).
- 15 Double Diaphragm Spring/Service Brake Chamber Assembly**  
Leaks air out of the service port when air is applied to the Emergency port. See Fig. 2
  - Replace spring/service brake assembly # **15**
- Leaks air out of Spring Chamber vent hole with park brakes released. See Fig. 2
  - Replace piggyback, or spring/service brake assembly # **15**
- Leaks air out of Service Chamber vent hole with Service Brakes Applied. See Fig. 2
  - Replace service diaphragm, or spring/service brake assembly # **15**
- 16 Full Function Valve**  
Leaks air at service brake exhaust port with all brakes released. See Fig. 3
  - Remove service delivery line(s) from # **15** if backflow is present, replace # **15**
- Leaks air at service brake exhaust port: Air tanks full, service brakes released, park brakes in parked position. See Fig. 3
  - Replace Full Function Valve # **16**
- Doesn't leak air at service brake exhaust port with park brakes released, but does, with service brakes applied. See Fig. 3
  - Replace Full Function Valve # **16**
- Leaks air at parking brake's exhaust port with park brakes released. See Fig. 4
  - Replace Full Function Valve # **16**
- 17 ABS System: Refer to the Haldex L30041 Installation/Service Manual**

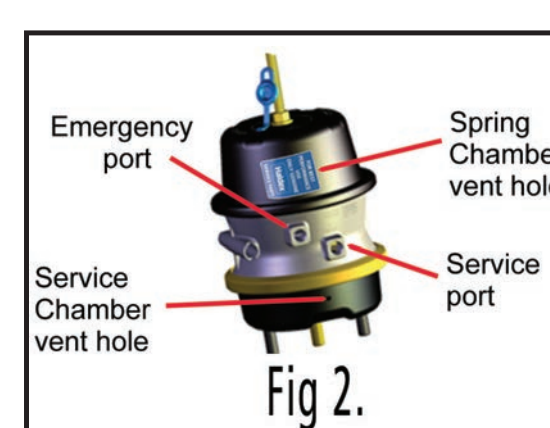


Fig. 2.

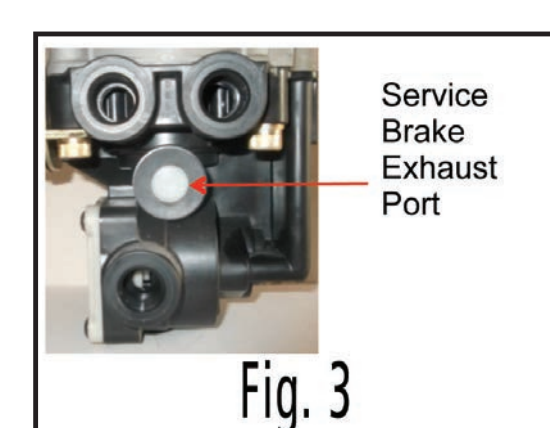


Fig. 3

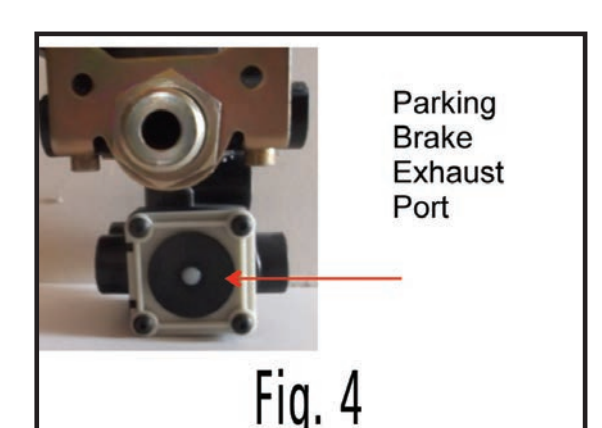


Fig. 4