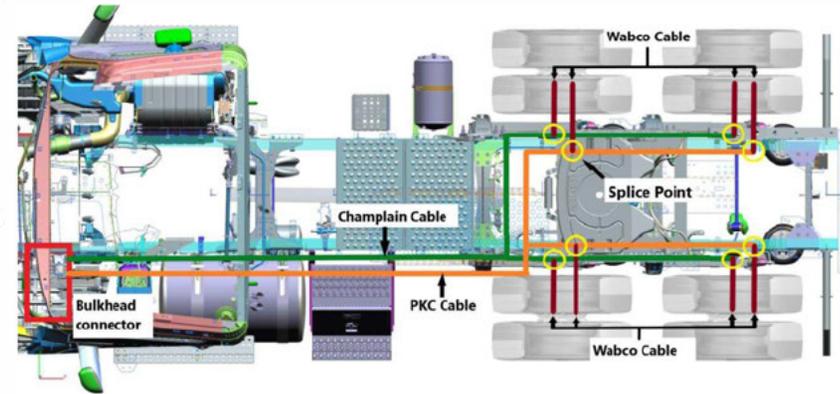


# ABS Wheel Speed Sensor Faults

**Issue Description** Multitudes of ABS fault codes for rear drive axles, SA 791, 792, 793, and 794 FMI 1 air gap and/or FMI 7 tone wheel count.

- Status & Details**
- Inferior harness design. Lack of one twist per inch (spec)
  - Failure of over mold connector at wheel speed sensor end
  - Non-jacketed twisted pair
  - Moisture intrusion into engine wall connector BHB
  - Extensive harness length

**Field Action** Service Bulletin TSB 42-080 publication date 5/10/24.  
 WABCO jacketed harnesses on all drive axles exhibiting excessive codes.  
 Installation of YRR+ software.  
 Three phases of corrections that ultimately result in fully jacketed WABCO harnesses for all wheel speed sensors.



**Identifying Features** All P4; high susceptibility beginning September 2022

**Reference Documentation** Service Bulletin [TSB 42-080](#) publication date 5/10/24.

- Additional Information** Fault setting results in:
- Reduced ABS functionality, Loss of ESC
  - Reduced ATD regen functionality
  - Reduced optimized idle (OI) functionality
  - Occurs while driving or low speed or idling

