

# Technical Bulletin



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Subject: **Bendix® TABS-8™ Advanced Single-Channel Antilock Braking System (ABS) Module – Diagnostic Trouble Code (DTC) Confirmation and Proper Sensor Connector Engagement**

## DESCRIPTION

The initial release of the Bendix® TABS-8™ Advanced Single-Channel Antilock Braking System (ABS) Module included rubber cover caps on the S-E and S-F connectors because this release did not include Low Pressure Warning Emergency (LPWE) and Pad Wear Sensing (PWS). These features are included in the later releases of the Electronic Control Unit (ECU). Refer to Table 1 for the proper connections for each feature.

Feature	Connector
Low Pressure Warning Emergency (LPWE)	S-E
Pad Wear Sensing (PWS)	S-F
Wheel Speed Sensors (WSS)	S-C
	S-D

Table 1 – Features and Connectors

If the trailer ABS lamp is illuminated (indicating there is an active Diagnostic Trouble Code [DTC]), the first thing to do is check that the shorting caps and WSS wires are installed properly onto the applicable sensor connectors. Refer to Table 1 and Figure 2. If it was noted that one of the connectors was not fully engaged and corrective action was taken to fully seat the connector, cycle power on the trailer and confirm the ABS lamp turns off after the three-second bulb check.

**NOTE:** Although it may appear the shorting cap or WSS wire is installed properly, it is critical to ensure no gap is present between the socket and the connector shoulder. See Figure 2.

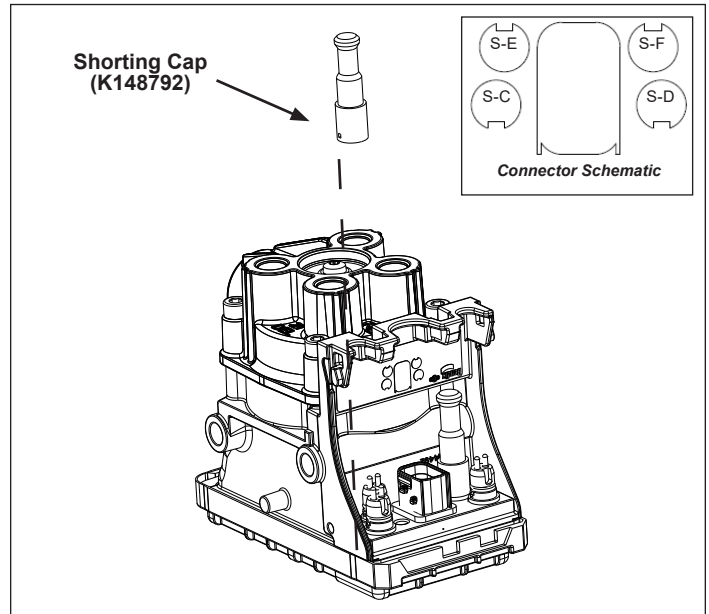


Figure 1 – Electronic Control Unit (ECU) and Shorting Cap

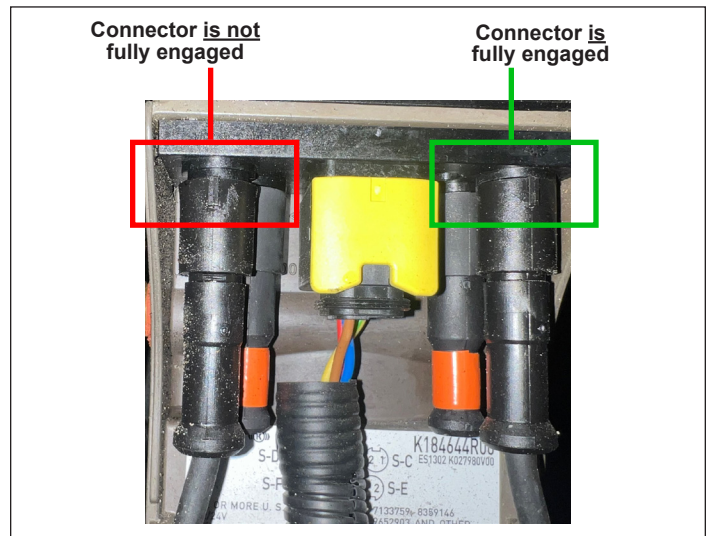


Figure 2 – Proper Engagement

Active Diagnostic Trouble Codes (DTCs) can be confirmed with Bendix® ACom® PRO™ Diagnostic Software for the applicable feature. Refer to Table 2.

### ADDITIONAL SUPPORT

Refer to SD-13-47680, Bendix® TABS-8™ Advanced Single-Channel Antilock Braking System (ABS) Module Service Data Sheet, on B2Bendix.com.

For technical support, the Bendix Tech Team is available at 1-800-AIR-BRAKE (1-800-247-2725), option 2, Monday through Thursday, 8:00 a.m. to 6:00 p.m., and Friday, 8:00 a.m. to 5:00 p.m. ET. Follow the instructions in the recorded message. The Bendix Tech Team can also be reached by email at techteam@bendix.com.

Blink Codes		DTC Description	Internal Code (HEX)	J1587 (SID/FMI)
1st Digit	2nd Digit			
2	1	Large Air Gap: Sensor "S-C"	0x002400	001/00
3	1	Large Air Gap: Sensor "S-D"	0x002500	002/00
2	2	Shorted or open wire: Sensor "S-C"	0x000D00 0x001200	001/03 001/04
3	2	Shorted or open wire: Sensor "S-D"	0x000C00 0x001300	002/03 002/04
2	3	Dynamic Issue: Sensor "S-C"	0x001800 0x001E00 0x003000	001/08 001/01 001/02
3	3	Dynamic Issue: Sensor "S-D"	0x001900 0x001F00 0x003100	002/08 002/01 002/02
2	4	Tire Diameter Out of Range: Sensor "S-C"	0x003600	001/13
3	4	Tire Diameter Out of Range: Sensor "S-D"	0x003700	002/13
12	3	Low Pressure Warning Emergency (LPWE) (Parking Brake Circuit)	0x01CD00	254/1
12	3	Brake Pads Worn	0x017B00	070/01

Table 2 – Diagnostic Trouble Codes (DTCs)

