

Technical Bulletin



Bulletin No: TCH-20-006 Rev 000

Initial Release Date: February 1, 2024 Revision Date: N/A

Page: 1 of 2

Subject: **Power Mode Diagnostic Trouble Codes (DTCs) for Bendix® TABS™ Advanced Modules**

OVERVIEW

This bulletin addresses the power mode Diagnostic Trouble Codes (DTCs) on trailers equipped with one of the following Electronic Control Units (ECUs):

- Bendix® TABS-6™ Advanced Single-Channel (SC) Trailer ECU
- Bendix® TABS-8™ Advanced SC Trailer ECU
- Bendix TABS-6 Advanced Multi-Channel (MC) Trailer ECU

Refer to Table 1 and Figure 1 for power mode DTCs for corresponding TABS modules for both moving and stationary vehicles.

Internal Code (HEX)	Module	Operating Condition
0x01A400	TABS 6/8 Advanced Single-Channel	Moving
0x18700	TABS 6/8 Advanced Single-Channel	Stationary
0xD000	TABS 6 Advanced Multi-Channel	Moving
0xD100	TABS 6 Advanced Multi-Channel	Stationary

Table 1 – TABS DTCs

BENDIX® ACOM® 6 DTC WINDOW (SINGLE CHANNEL – 01A400)									
Inactive DTCs									
Code	SID	FMI	Description	Count	Odometer First	Odometer Last	Blink Code 1st	Blink Code 2nd	
1A400 + 2E3	254	11	TABS- Internal error	15	0	0	12	5	

BENDIX® ACOM® 6 DTC WINDOW (SINGLE CHANNEL – 18700)									
Active DTCs									
Code	SID	FMI	Description	Count	Odometer First	Odometer Last	Blink Code 1st	Blink Code 2nd	
18700 + 00	254	11	018700	0	0	0	12	5	

BENDIX® ACOM® 6 DTC WINDOW (MULTI CHANNEL – D000)									
Active DTCs									
Code	SID	FMI	Description	Count	Odometer First	Odometer Last	Blink Code 1st	Blink Code 2nd	
D000 + 00			Unknown DTC Code	0	0	0			

BENDIX® ACOM® 6 DTC WINDOW (MULTI CHANNEL – D100)									
Active DTCs									
Code	SID	FMI	Description	Count	Odometer First	Odometer Last	Blink Code 1st	Blink Code 2nd	
D100 + 2CA			Unknown DTC Code	5	0	0			

Figure 1 – Bendix ACom 6 DTC Windows

POTENTIAL CAUSE

All Bendix® TABS™ advanced modules operate between 8 to 32 VDC. If the supply voltage falls outside of this range, it will draw voltage from the brake light supply. In this state, the Electronic Control Unit (ECU) will be powered up only when the brakes are applied, and this condition will trigger the power mode Diagnostic Trouble Codes (DTCs) which correspond to the type of the TABS module. This DTC could also appear if the ignition is miswired with supply. **Stop lamp power mode DTCs occur because of the input operating conditions and are not an internal TABS error as may be reported in Service Data Sheets or Bendix® ACom® PRO™ Diagnostic Software.**

RECOMMENDED ACTION

For TABS modules experiencing the DTCs discussed in this document, perform the following troubleshooting steps.

- Check for damaged or corroded connectors on both the truck and trailer. Replace components as needed.
- Check for damaged wiring at J560, Antilock Braking System (ABS) 5-pin connector, tractor fuse, and ECU pigtail on both the truck and trailer. Replace components as needed.
- Clear DTCs after repairs or if no issues were found.
- If further assistance is needed, contact the Bendix Tech Team. The Bendix Tech Team is available by email at techteam@bendix.com or by phone 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.

