Technical Bulletin



Bulletin No: TCH-013-027

Effective Date: Sept. 6, 2016 Cancels: NA

Page: 1 of 2

subject: Connecting Bendix[®] ACom[®] Diagnostic Software to Bendix[®] TABS-6[™] Trailer ABS Standard and Premium Modules

The Bendix[®] ACom[®] Diagnostic Software package – a free download from bendix.com – is used by technicians to troubleshoot and perform configuration changes on a wide range of Bendix[®] ABS controllers. For the majority of controllers, the latest release of the software – currently version 6.10 – is used.

Bendix[®] TABS-6[™] Standard and Premium modules, however, need to use an earlier version (5.12). That version is automatically installed by the software package on your PC, along with the current version.



Figure 1 - Bendix[®] TABS-6[™] Standard or Premium Module

When an upgrade of the ACom Diagnostic Software is installed, the first time you use the software to connect to a Bendix TABS-6 Standard or Premium controller, follow the instructions below to ensure that version 5.12 of the software is set up correctly for these devices.

1. Start the Bendix ACom Diagnostic Software, select TABS-6 from the list of controllers, and choose "Start in demo mode." *See Figure 2.*

Starter for ACom® Diag	gnostics 6.10		
Bendix	Starter for	ACom® Diag	nostics 6.10
ECU	Connection line	Protocol	Diagnostic Control
Wingman	CAN	TP20/UDS	Start with ECU
FLC20	CAN	UDS	0000
SDP	CAN	UDS	
VORAD VS400/DIU	J1939	J1939	Start in demo mode
TPMS	CAN	J1939	
Trailer Link	RS232	RS232	
Tractor Lift Axle ABS	SAE	J1587	Betect ECU
TABS6	SAE	J1587	
TABS6 Advanced	PLC	UDS over PLC	Ontions
TABS6 Advanced	5V CAN	UDS over CAN	San Obreus
EC-30	SAE	J1587	
EC-17	SAE	J1587	1
ABS U1x	SAE	J1587	U
ABS2x	SAE	J1587	
EC-30T	SAE	J1587	
MC-30	SAE	J1587	
A18	SAE	J1587	
•	III	÷	
A . P P.	6	· •	7
Application	Description		

Figure 2 - Starter Screen Selections

2. A dialogue box will be displayed. See Figure 3.

Do you want to switch real mode?
Yes No

Figure 3 - Select Real Mode

Respond "Yes" to switch to "real" mode (from "demo" mode).

3. A Diagnostic Interface Selection dialog box will appear. See Figure 4. Select the RP1210 adapter that you are using from the list and click "OK".

Diagnostic Interface Selection	
Available hardware interfaces:	
RP1210A device using J1708 line: USBLINK (USB-Link)	OK
RP1210A device using J1708 line: BTUSBLINK (Bluetooth USB-Link)	
PP1210A device using J1708 line: UDIF PLC/J1708 Adapter (PLC/J170	Demo mode
RP1210A device using J1708 line: UDIF PLC/J1708 Adapter (PLC/J170	
RP1210A device using PLC line: UDIF PLC/J1708 Adapter (PLC/J1708	
IL RP1210A device using PLC line: UDIF PLC/J1/08 Adapter (PLC/J1/08	Cancel
IL RP1210A device using J1708 line: WVL2 (NEXIQ WVL2 Dev:255 All Pn	Zancer
DD1210A device using DI /06 line: Data Link Adapter (Noregon/Vansc	
DD1210A device using PLC line: JPRU TDA (JPRU TDA, USB)	
E DD1210A device using D1700 line. DC DDA 4 Plus (MA) USB (DC DDA 4	
E PP1210A device using FLC line. DG DPA 4 Plus (MA) 03B (DG DPA 4	
BP1210A device using 11708 line: DG DPA 5 250K CAN (MA) CB1 LISE	
RP1210A device using J1708 line: DG DPA 5 250K CAN (MA) CH2 USE	
RP1210A device using PLC line: DG DPA 5 Dual-CAN (MA) USB (DG [
RP1210A device using PLC line: DG DPA 5 250K CAN (MA) CH1 USB	
RP1210A device using PLC line: DG DPA 5 250K CAN (MA) CH2 USB	
RP1210A device using J1708 line: DLA+PLC (DLA+PLC, USB)	
RP1210A device using PLC line: DLA+PLC (DLA+PLC, USB)	
RP1210A device using J1708 line: INLINE6 (INLINE6,COM1)	
RP1210A device using J1708 line: INLINE6 (INLINE6,COM2)	
RP1210A device using J1708 line: INLINE6 (INLINE6,COM3)	
RP1210A device using J1708 line: INLINE6 (INLINE6,COM4)	
RP1210A device using J1708 line: INLINE6 (INLINE6,COM5)	
IL RP1210A device using J1708 line: INLINE6 (INLINE6,COM6)	
ID RP1210A device using J1708 line: INLINE6 (INLINE6, COM7)	
ID PP1210A device using J1708 line: INLINE6 (INLINE6,COM8)	
DD1210A device using J1700 line: INLINE6 (INLINE6, WIFI)	
E DD1210A device using 11700 line: INLINE0 (INLINE0, USB)	
E BP1210A device using J1700 line: DG Nethridge Quad-CAN (M LISB (
BP1210A device using J1708 line: INLINE4/5 COM1 (INLINE4/5 COM1	
PP1210A device using J1708 line: INLINE4/5 COM2 (INLINE4/5 COM2	
PP1210A device using J1708 line: INLINE4/5 COM3 (INLINE4/5, COM3	
RP1210A device using J1708 line: INLINE4/5 COM4 (INLINE4/5, COM4 -	

Figure 4 - The Diagnostic Interface Selection Screen

Cancels: NA

 The diagnostic interface for Bendix[®] TABS-6[™] Standard and Premium modules will be launched. See Figure 5. The status screen displays information, provides tools for troubleshooting and enables configuration changes.

Lampo	Sustam Data		
ABC	Model	TARCE	S DTCa
AD3	Ded Number	0005014015	01 DICS
	Sorial Number	292950000	2 110-010
\square	Software Number	PR40610	vyneeis
	ABS Configuration:	25/1M	illin o re
	PLC Support	VES	gra Contig.
	Odometer	101 miles	
		1029	
	Status		
	Input Voltage [V]:	12.8	
	Active DTCs:	NO	
	Event History:	NO	? Help
			Close

Figure 5 - The Bendix TABS-6 Controller Status Window

Note: <u>These steps are only required the first time a</u> <u>PC using the Bendix[®] ACom[®] Diagnostic Software</u> <u>connects to a Bendix TABS-6 Standard and Premium</u> <u>module</u>. These steps may need to be repeated after future software updates.

Reference Documents:

For Bendix TABS-6 Standard and Premium Controllers dowload/ order *Bendix Service Data Sheet* SD-13-4767.

Downloads: Go to bendix.com to download Bendix ACom Diagnostic Software and visit the Document Library for Service Data Sheets.

Printed Copies: Literature can be ordered directly from the online Bendix Literature Center. To register or to access your existing account, visit bendix.com and click on the "Marketing Center" tab at the top of the bendix.com homepage, or use the same link on foundationbrakes.com.



Log-on and Learn from the Best

On-line training that's available when you are -24/7/365. Visit www.brake-school.com.

Trademarks. The ACom and TABS-6 trademarks are licensed to or owned by Bendix Commercial Vehicle Systems LLC.