Technical Bulletin

Bendix

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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.*

Bendix	Starter for ACom® Diagnostics 6.10		
ECU	Connection line	Protocol ^	Diagnostic Control
Wingman	CAN	TP20/UDS	Start with ECU
FLC20 SDP	CAN	UDS	0000
VORAD VS400/DIU	J1939	J1939	Start in demo mode
TPMS	CAN	J1939	
Trailer Link	BS232	BS232	
Tractor Lift Axle ABS	SAE	J1587	Q Detect ECU
TABS6	SAE	J1587	
TABS6 Advanced	PLC	UDS over PLC	Options
TABS6 Advanced	5V CAN	UDS over CAN	gen Options
EC-30	SAE	J1587	
EC-17	SAE	J1587	0
ABS U1x	SAE	J1587	V
ABS2x	SAE	J1587	
EC-30T	SAE	J1587	
MC-30	SAE	J1587	
A18	SAE	J1587 -	
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Application	Description	, ţ	
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".

Available hardware interfaces:			
RP1210A device using J1708 line: USBLINK (USB-Link)	<u>O</u> K		
RP1210A device using J1708 line: BTUSBLINK (Bluetooth USB-Link)			
RP1210A 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			
RP1210A device using PLC line: UDIF PLC/J1708 Adapter (PLC/J1708	Cancel		
RP1210A device using J1708 line: WVL2 (NEXIQ WVL2 Dev:255 All Pn	Qancer		
RP1210A device using J1708 line: Data Link Adapter (Noregon/Vansc DP1210A device using D10 line: JDD0 TD4 (JDD0 TD4 LISE)			
RP1210A device using PLC line: JPRO TDA (JPRO TDA, USB) RP1210A device using J1708 line: DG DPA 4 Plus (MA) USB (DG DPA			
RP1210A device using 01700 line: DG DPA 4 Plus (MA) USB (DG DPA 4			
RP1210A device using 120 line: DG DPA 9 Plus (MA) 030 (DG DPA 9			
RP1210A device using J1708 line: DG DPA 5 250K CAN (MA) CSB (BC = RP1210A device using J1708 line: DG DPA 5 250K CAN (MA) CH1 USE			
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)			
RP1210A device using J1708 line: INLINE6 (INLINE6,COM6)			
RP1210A device using J1708 line: INLINE6 (INLINE6, COM7)			
RP1210A device using J1708 line: INLINE6 (INLINE6, COM8) DP1210A device using J1708 line: INLINES (INLINES (INLINES))			
RP1210A device using J1708 line: INLINE6 (INLINE6, WiFi) DP1210A device using I1708 line: INLINES (INLINES LISE)			
RP1210A device using J1708 line: INLINE6 (INLINE6, USB) D01210A device using J1708 line: INLINES (INLINES COM Ded Auto D			
RP1210A device using J1708 line: INLINE6 (INLINE6, COM Port Auto D RP1210A device using J1708 line: DG Netbridge Quad-CAN (M) USB (
RP1210A device using J1706 line: DG Netonage Guda-CAN (M) OSD (RP1210A device using J1708 line: INLINE4/5 COM1 (INLINE4/5, COM1			
RP1210A device using J1708 line: INLINE4/5 COM1 (INLINE4/5, COM1 RP1210A device using J1708 line: INLINE4/5 COM2 (INLINE4/5, COM2			
RP1210A device using J1708 line: INLINE4/5 COM2 (INLINE4/5, COM2 RP1210A 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.

Lamps	System Data		
ABS	Model:	TABS6	S DTCs
	Part Number:	0005014015	
	Serial Number:	282850000	O Wheels
	Software Number:	BB40610	
	ABS Configuration:	2S/1M	Config.
	PLC Support	YES	
	Odometer.	101 miles	
	ADL Program#:	1029	
	Status		
		12.8	
	Input Voltage [V]:	12.0	
	Input Voltage [V]: Active DTCs:	NO	
			? Help

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.



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