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Title: Diagnostic Interface Cable Reference Guide

Applies To: All Diagnostic and Programming Applications

CHANGE LOG
NOTE: DO NOT delete this Change Log. If this iKNow Article is being revised, please type in the text box below what has changed in the article. The change log is meant for Dealers to be able to see what has updated/changed in the article.

Dealers: Please refer to the change log text box below for recent changes to this article:

8/26/2014 - Author updated for feedback purposes
1/30/2015 - Updated the article with new cable validation chart, added notes, changed introduction and moved old diagnostic chart to the bottom of the page
7/15/2015 - Updated with USB-Link 2 compatibility for NETS and Auto Upgrade
11/06/2017 - Updated for Navistar Engine Diagnostics & HERO

This is new and updated Vehicle Diagnostic Adapter reference chart. This chart will be updated when there is change in compatibility of any of the listed adapters.

Note:
You can still access old version of this chart by either clicking here or scrolling to the bottom of this article. However, please understand that majority of adapters listed in that chart either became obsolete or are not supported anymore.

New Vehicle Diagnostic Reference Chart

Application	Notes	Dearborn DPA 5	Noregon DLA+ Wireless	Nexiq USB Link	Nexiq USB Link 2	Drew Tech. TVIT
Interface cable driver version		1.36	3.3.5451.1	9.6.0.2	2.6.0.2	1.1.14
Engine						
Navistar Engine Diagnostics		✔	✔	✔	✔	✔

Legend: ✓ = Works (green), ✓(NT) = Not tested (yellow), ✗ = Doesn't work or not available (red)

Application		Col 1	Col 2	Col 3	Col 4	Col 5
NavKal		✗	✓	✓	✓	✓(NT)
NETS		✗	✓	✓	✓	✗
ServiceMaxx J1708		✓	✓	✓	✓	✓(NT)
Master Diagnostics		✓	✓	✓	✓(NT)	✓
Transmission						
Allison DOC		✓	✓	✓	✓	✓
Eaton Service Ranger		✓	✓	✓	✓	✗
ZF Meritor	See note:	✓(NT)	✓(NT)	✓(NT)	✓(NT)	✓(NT)
Ford Transmission (CF and CityStar)		✓(NT)	✓(NT)	✓(NT)	✓(NT)	✓(NT)
Brakes						
Bendix ACOM		✓	✓	✓	✓	✓(NT)
Wabco Tool Box		✓	✓	✓	✓	✓(NT)
TRW 355 (TerraStar and AE Bus)		✓	✓	✓	✓(NT)	✓
Ford Brakes (CF and CityStar)		✓(NT)	✓(NT)	✓(NT)	✓(NT)	✓(NT)
Navistar Hydraulic ABS		✓(NT)	✓(NT)	✓(NT)	✓(NT)	✓(NT)
Body Controller & Instrument Panel						
DLB		✓	✓	✓	✓	✓
Navistar IPC		✓(NT)	✓(NT)	✓(NT)	✓(NT)	✓(NT)
Reports						
HERO		✓(NT)	✓	✓	✓	✓(NT)
Navistar Performance Reports		✓	✓	✓	✓(NT)	✓
CAN Network						
Helios		✓	✓	✓	✓	✓
Table Key						

Table Key:
- ✓ Works
- ✗ Doesn't work or not available
- ✓ Not tested

Notes:

Application	Adapter	Notes
ZF Meritor	All adapters	Not tested internally at Navistar, however each manufacturer claims compatibility based on testing they performed.
Navistar Launcher	TVIT	Did not display full engine information on health report when connected to Cummins ISX.

Old version of Vehicle Diagnostic Adapter reference chart:

Application	Notes			Cummins Inline 5	Nexiq USB	Noregon DLA USB+	NAVCoM NAVLink

		Dearborn DPA4 DPA4+	IC4 USB EOL (?)				
Interface cable driver version		6.05	1.94	5.7.0.1	9.2.0.0	3.2.3.9	1.6.4
Engine							
ServiceMaxx		✓	✓	✓	✓	✓	✓
Master Diagnostics (MD)	See Note	✓	✓	✓	✓	✓	✓
Service Assistant	See Note	✗	✓	✗	✗	✗	✗
NETs		✓	✓	✗	✓	✓	✓
Auto Upgrade		✗	✓	✗	✓	✓	✓
Cummins	See Note	✓	✓	✓	✓	✓	✓
CAT ET	See Note	✓	✓	✗	✓	✓	✓
Transmission							
Allison DOC		✓	✓	✗	✓	✓	✓
Eaton Service Ranger		✓	✓	✗	✓	✓	✓
ZF Meritor		✓ (Not Tested)	✓	✗	✓ (Not Tested)	✓ (Not Tested)	✓
Ford Transmission (CF and CityStar)		✗	✓	✗	✗	✗	✗
Brakes							
Ford Brakes (CF and CityStar)		✗	✓	✗	✗	✗	✗
Bendix ACOM		✓	✓	✓	✓	✓	✓
Wabco Tool Box		✓	✓	✓	✓	✓	✓
Navistar Hydraulic ABS		✗	✓	✗	✓	✗	See Note
TRW 355 (TerraStar and AE Bus)		✓ (Not Tested)	✓ (Not Tested)	✗	✓	✓	✓
Body Controller and Instrument Panel							
DLB/Helios/EOS		✓	✓	✓	✓	✓	✓
Navistar IPC		✗	✓	✗	✓ (Not Tested)	✓	✓
Table Key							

Table Key

✓ Works	✗ Does Not Work or Not Available	✓ Not Tested	

Interface Notes	
IC4 USB /COM	**End of Life**- The IC4 USB and Com cables are no longer supported. These interface cables may work with many of these applications. Navistar will not be testing the cable with any applications and will not support the cable or issues related to the cable. Use at your own risk
NAVCoM /NAV-Link	Global (K- Line) most MWM engines will require the Global Kit or conversion using the instructions below.
Application Notes	
Caterpillar	When running the Caterpillar software with cables other than the CAT adapter; the communications will need to be set to RP1210 Compliant device. This can be done by selecting

	utilities then preferences, Then select "RP1210 Compliant device" from the communications pull down and select the advanced setting then the correct cable from the list. **NOTE:** 2007 Caterpillar engines only work CAT Cable and DPA4
Cummins	Non Cummins adapters need to be set up as RP1210A compliant adapters for the cable selection menu before use. **NOTE:** 2007 Engines will only work with the in line, DPA 4 and IC4 cables.
Master Diagnostics	MD 4.8 will allow the NAVCoM and NAVLink to communicate with a vehicle by following the steps below. • Launch MD 4.8 Go to File >> MD Settings >> COM Device, and select COM Device • Select Movimento • Select Movimento NAVCoM/ NavLink, USB0 • Go to COM >> Open, and select Open • Go to COM >> Sniffer, and select Sniffer
Diamond Logic Builder (DLB)	Non J1937 adapters will not work with the IC3 cable you should have driver version 1.9 or greater
Wabco Tool Box	The Eaton RF adapter will not work reliably
Navistar Hydraulic ABS	Requires the NavCom/NavLink Global Kit or conversion using the instructions below.
Bendix ACOM	To use the IC4 cable you must select the COM 1 option
Allison DOC	Allison Doc will work with all stand alone cables on older Allison Transmissions. Allison DOC will only read the Gen 4 transmission modules with the DPA4, IC4, Noregon, and Nexiq USB