

2.Connecting the PC to the Control System

The diagram below illustrates the hardware connections between the PC hosting Allison DOC® For PC–Service Tool, the data translator, and the vehicle control system diagnostic connector.

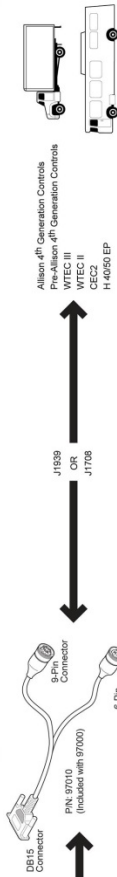


Allison DOC® For PC-Service Tool Connection Diagrams

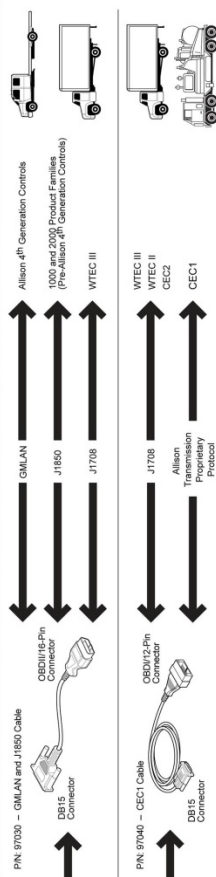
97000 Kit for Noregon Wireless/USB Translator - All Allison Products



Use with Noregon Translator Device

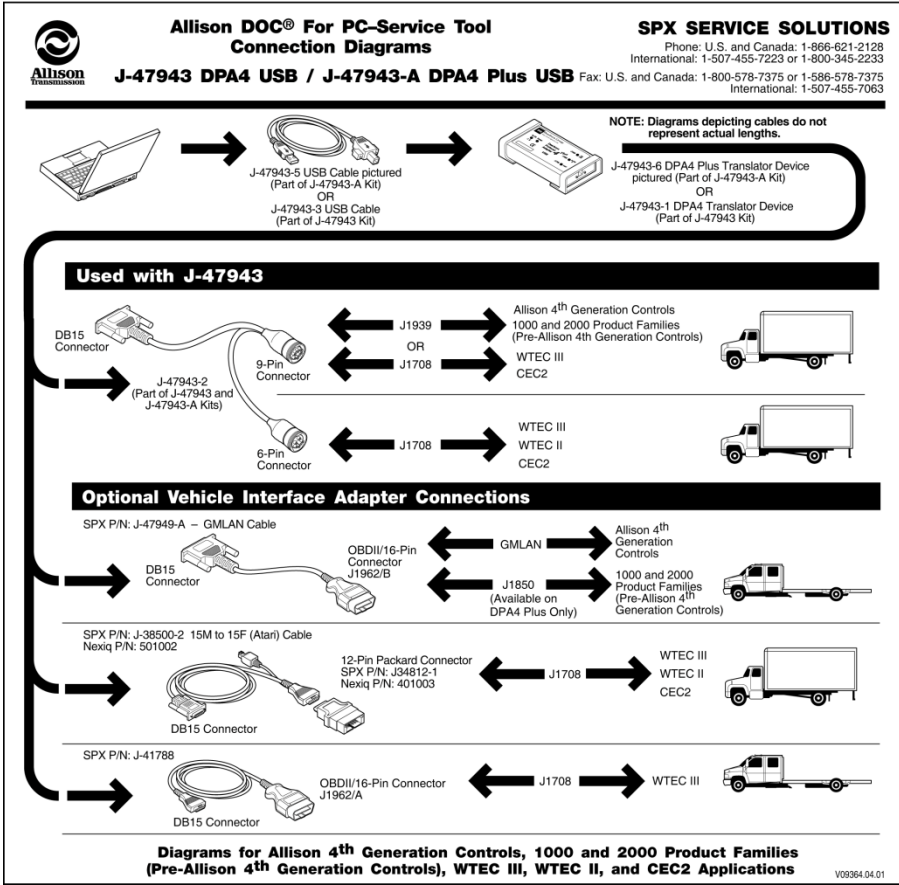


Optional Vehicle Interface Adapter Cables for use with the Noregon Translator Device



For replacement cables for alternative translators contact SPX Service Solutions in the US and Canada at 866-621-2128 or internationally at 507-455-7223 or 800-345-2233. Please refer to JA3434EN for part numbers and connection information.

For connections using a Dearborn Protocol Adaptor DPA4 USB or DPA4 Plus USB adapter, please refer to the diagrams below:



**Diagrams for Allison 4th Generation Controls, 1000 and 2000 Product Families
(Pre-Allison 4th Generation Controls), WTEC III, WTEC II, and CEC2 Applications**

V09364 04.01



Nexiq USB-Link™ Kit

J1850 Communication Protocol

SPX SERVICE SOLUTIONS

Phone: U.S. and Canada: 1-866-621-2128
International: 1-507-455-7223 or 1-800-345-2233
Fax: U.S. and Canada: 1-800-578-7375 or 1-586-578-7375
International: 1-507-455-7063



USB Cable
(Use the USB Cable included
with the Nexiq USB-Link™ Kit)



Nexiq USB-Link™
Nexiq Kit P/N: 125032
SPX Kit P/N: J-48624

**NOTE: Diagrams depicting
cables do not
represent actual
lengths.**

Nexiq USB-Link™



DB15
Connector



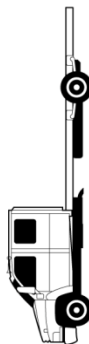
OBDII/16-Pin
Connector
J 1962/A



J1850



1000 and 2000
Product Families
(Pre-Allison 4th
Generation Controls)



Diagrams for Applications Using 1000 and 2000 Product Families (Pre-Allison 4th Generation Controls)

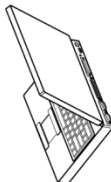
V09365.01.04



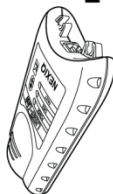
Nexiq USB-Link™ Kit

Allison Transmission CEC1 Communication Protocol

For Purchase Contact:
SPX Service Solutions



USB Cable
(Use the USB Cable included
with the Nexiq USB-Link™ Kit)



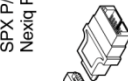
Nexiq USB-Link™
Nexiq Kit P/N: 125032
SPX Kit P/N: J-48624

NOTE: Diagrams depicting
cables do not
represent actual
lengths.

NOTE: The RoHS version of
the Nexiq USB-Link™
is required for
CEC1 applications.

Nexiq USB-Link™

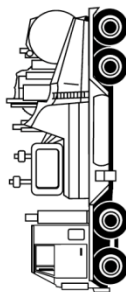
15M to 15F (Atari) Cable
SPX P/N: 38500-2
Nexiq P/N: 501002



12-Pin Packard Connector
SPX P/N: J-34812-1
Nexiq P/N: 401003



Allison
Transmission
Proprietary
Protocol



CEC1

Diagrams for CEC1 Applications

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