






IABS CAN Diagnostics

Component Requirements



The iABS can be programmed via CAN communication using Toolbox versions 14.7 or later. A Diagnostic Cable (449 606 030 0 or 449 608 047 0) will be needed to connect to the subsystem port of the ECU to utilize CAN communication. If using an iABS 1M Standard Valve (400 500 320 0), a Power HUB Cable (894 600 151 2) will also be needed.

| PARTS LIST | | | |
|------------------------|--|---------------|--------|
| Slot on iABS Modulator | Application | Part Number | Length |
| Subsystem | Diagnostic Cable  | 449 606 030 0 | 3 M |
| Subsystem | Diagnostic Cable Blunt Cut 4-Wire  | 449 608 047 0 | 4.7 M |
| Power | Power HUB Cable (1M Only)  | 894 600 151 2 | 0.5 M |



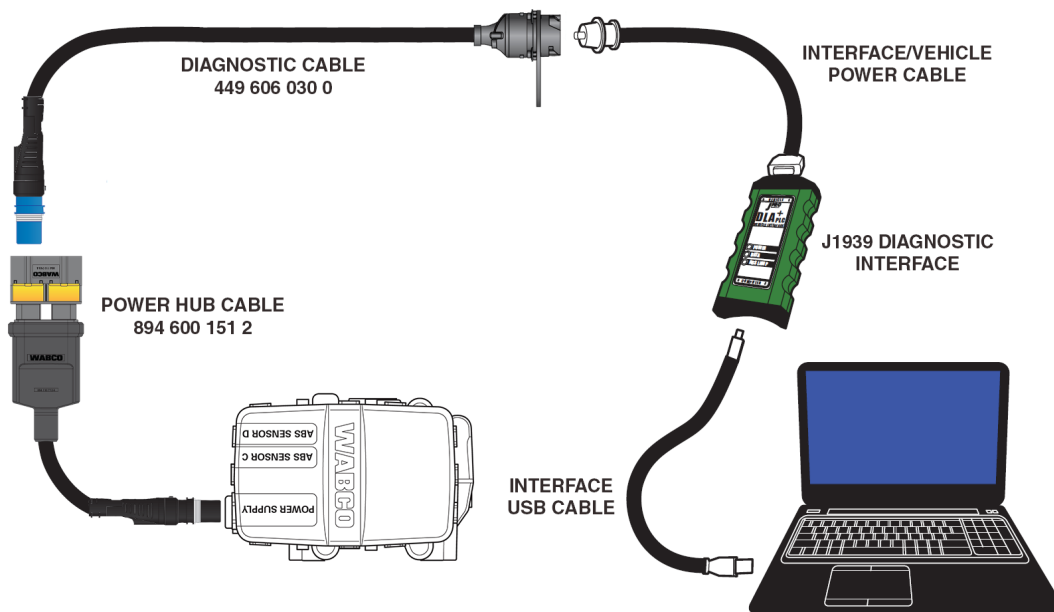
Diagnostic Adapters

A J1939-capable diagnostic adapter is needed to program via CAN. In the table below you will find a list of supported adapters.

| Manufacturer | Adapter | Connection Type |
|--------------|---|-----------------|
| Noregon | Noregon DLA+ 2.0/3.0  | Wired |
| Nexiq | USB Link 2.0/3.0  | Wired |

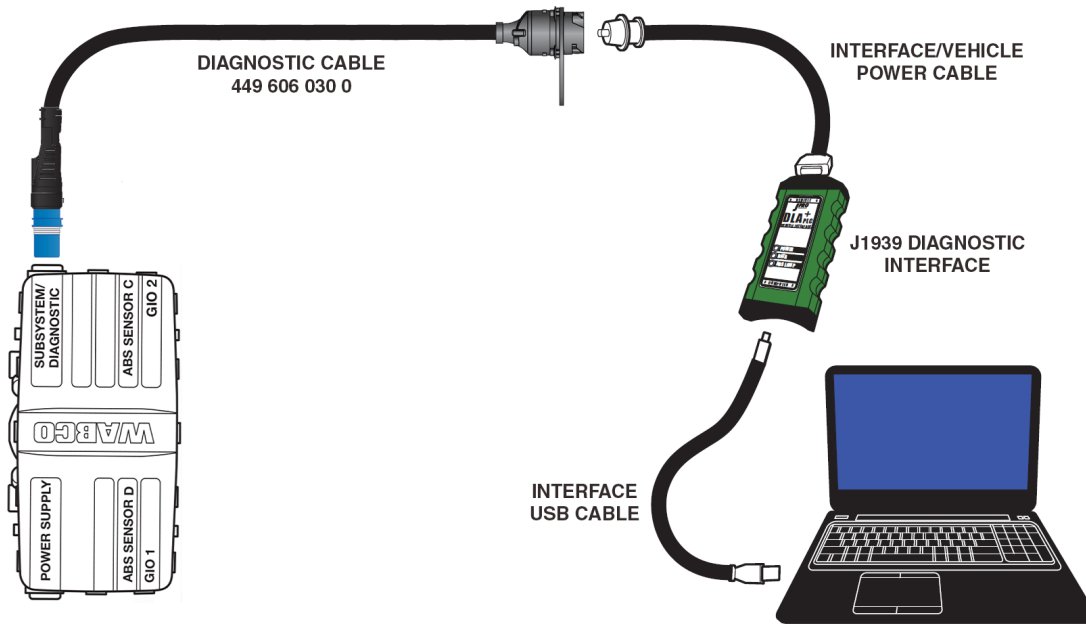
Diagnostic Setup Schematic

1M Standard Setup



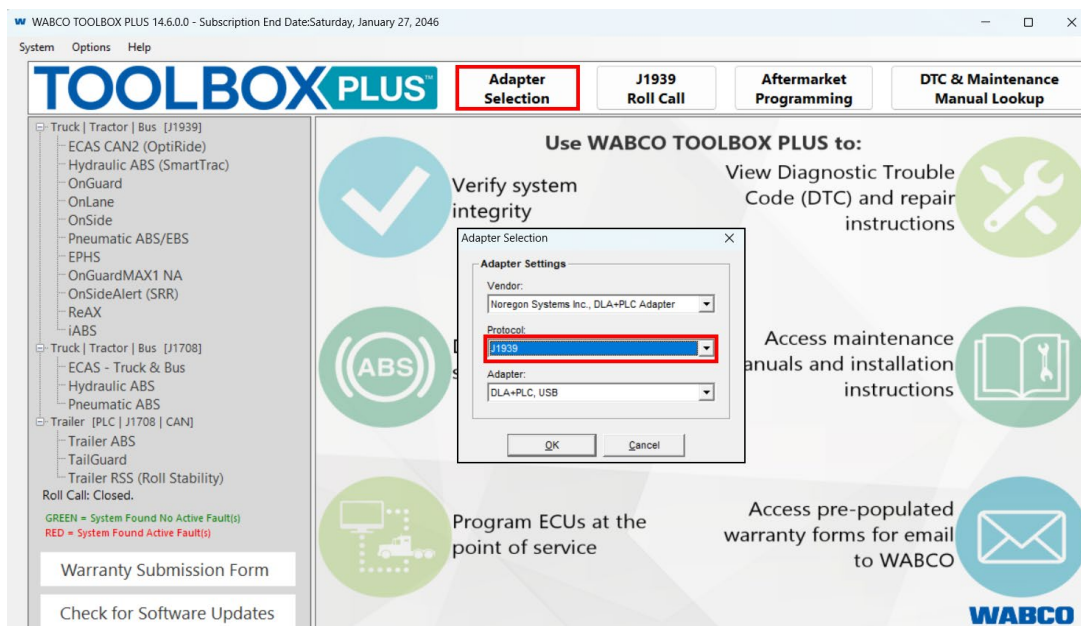


1M Premium/2M Setup



Toolbox Connection

1. Open WABCO Toolbox software and select Adapter Selection. Under Protocol, select J1939 as your communication protocol and hit OK.






2. Under the Truck | Tractor | Bus [J1939] section, select iABS to connect via CAN.

iABS Diagnostics

System Display Components Modify Utility

WABCO iABS CAN



ECU Information

| | | | |
|----------------|---------------|-------------------|--------------|
| ECU Type: | iABS 2M | Manufacture Date: | 03/10/2021 |
| Configuration: | 2S/2M Premium | Serial Number: | 005750015599 |
| Part Number: | 4005004300 | Software Version: | tabs3-0048 |
| Diagnostic Id: | 10.32.0.0 | Tire Size: | 3250 mm |

DTC Status

| | |
|------------------------|------|
| Number of Active DTCs: | 1 |
| Number of Stored DTCs: | None |

Wheel Sensor Data

| | | | |
|---|---------|---|---------|
| c | 0.0 mph | d | 0.0 mph |
| e | | f | |

Operating Information

| | |
|------------------|--------|
| Odometer: | 6.8 mi |
| Service Miles: | 0 mi |
| Primary Voltage: | 12.5 |

Close



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