

6.4 | Tractor CAN Connection (Optional)

Overview

COMMAND can be connected to a 250 or 500kbps Tractor CANBUS if present, allowing the ECU to read tractor data directly from tractor systems including parameters such as engine load, hydraulic oil temperature, wheel speed and instantaneous fuel usage. This data can then be displayed in the widgets in **Level COMMAND** in real-time, and is also used in the background for certain control features.

Connecting to an incorrect CANBUS, or having **COMMAND**'s Tractor CAN port set to the incorrect baud rate may cause tractor system errors.

Required Parts

A port replicator is included on the **T3H-M001** adapter so that other devices may be connected to the diagnostic connector when necessary without removal of **COMMAND** harnessing.

If the tractor has a Type I diagnostic connection, **T3H-X004** should be added to maintain the Type I connection for the tractor.

Type I J1939 Diagnostic Connection (Black)

- **T3H-M001** - COMMAND J1939 Diagnostic Adapter (Green)
- **T3H-X004** - MTG Adapter - J1939 Type 1 Black to Type 2 Green



Type II J1939 Diagnostic Connection (Green)

- **T3H-M001** - COMMAND J1939 Diagnostic Adapter (Green)



Connection Process

1. Connect the **T3H-M001** adapter to the appropriate diagnostic plug in the cab of the tractor.
2. Connect the **T3H-M001** adapter to the **T3H-C006** Cab Breakout Adapter.
3. If appropriate tractor data is present on the tractor bus, **COMMAND** will begin reading the data and providing it to **Level COMMAND** software.
4. Check whether any new widgets have appeared with new data in the Widgets menu of **Level COMMAND**.

Pin no.	Allocation
A	ECU_GND
B	Unswitched Power ^a
C	Tractor Bus CAN_H
D	Tractor Bus CAN_L
E	Not Specified ^b
F	Not Specified ^c
G	Not Specified ^c
H	Implement Bus CAN_H
J	Implement Bus CAN_L

^a A direct connection to positive battery power through a 10A fuse.
^b Used for the shield of an SAE J1939 network in an SAE diagnostic connector.
^c Used for SAE J1708 network in an SAE diagnostic connector.

