Can a J2K100 connect to a John Deere J1939 network?

Yes, the J2K100 can easily be integrated to a John Deere J1939 network.

Exact locations where the J2K100 will connect to the network may vary.

Find the Helm engine display and locate the Deutsch connector labeled "Engine ECU".
The connector is a 3-pin Deutsch DT06-3S part which can be found on www.wirecare.com.
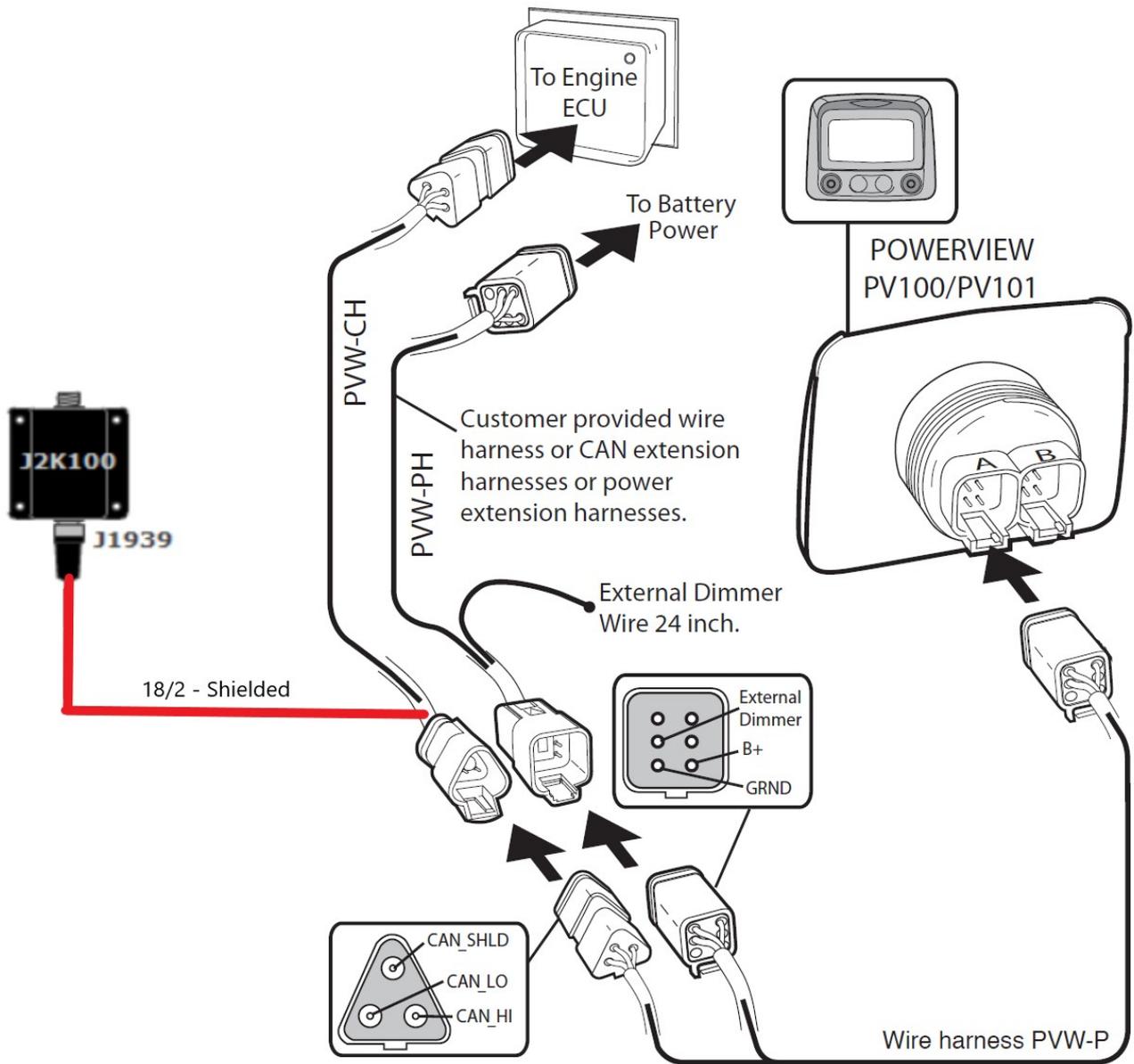
Make a cable assembly to attach the J2K100 using the provided FA-CF-ST Micro/Mid Field Attachable Connector (Straight Female), connect to the J1939 port in parallel to the engine ECU and the engine display network.

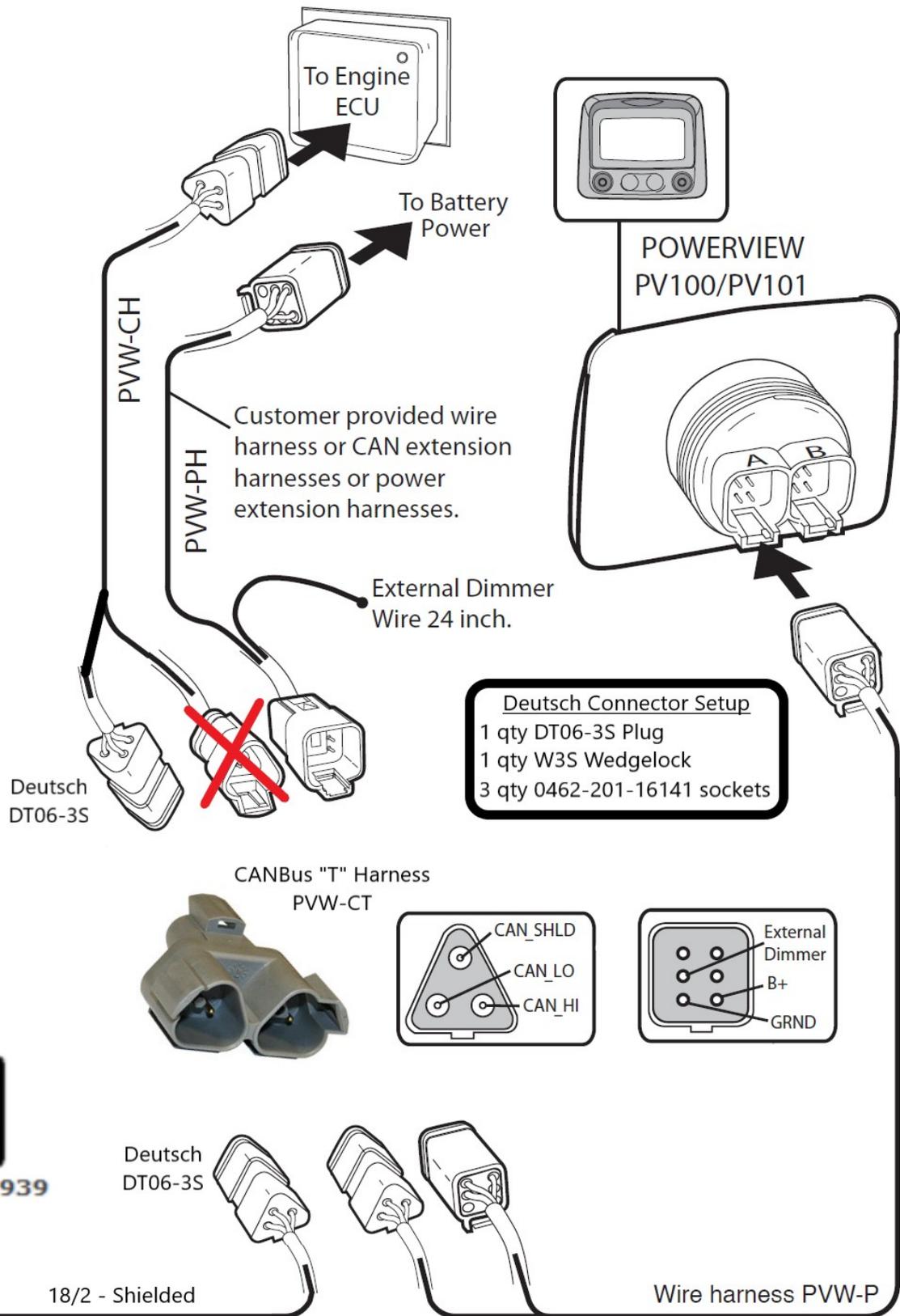Typically, on the John Deere/Murphy harness the coloring codes are listed below
- CAN H - Green
- CAN L - Yellow/Orange

No termination resistor is needed.

To Engine ECU

To Battery Power

POWERVIEW PV100/PV101

PVW-CH

PVW-PH

J2K100

J1939

18/2 - Shielded

Customer provided wire harness or CAN extension harnesses or power extension harnesses.

External Dimmer Wire 24 inch.

External Dimmer

B+

GRND

A B

CAN_SHLD

CAN_LO

CAN_HI

Wire harness PVW-P

An alternative method if a more "plug interconnect" option is desired, adding a "T" harness and 2 qty DT06-3S setups are listed below.

To Engine
ECU

To Battery
Power

PVW-CH

PVW-PH

Customer provided wire
harness or CAN extension
harnesses or power
extension harnesses.

POWERVIEW
PV100/PV101

A   B

External Dimmer
Wire 24 inch.

Deutsch
DT06-3S

Deutsch Connector Setup
1 qty DT06-3S Plug
1 qty W3S Wedgelock
3 qty 0462-201-16141 sockets

CANBus "T" Harness
PVW-CT

CAN_SHLD
CAN_LO
CAN_HI

External
Dimmer
B+
GRND

J2K100

J1939

Deutsch
DT06-3S

18/2 - Shielded

Wire harness PVW-P

* The John Deere engine may also have a 9-pin diagnostic connector in the engine room that provides J1939 access as well.