Part #s 66560, 66561, 66562, 66563, 61410, 66760

iDash 1.8 DataMonster® & Super Gauge

Stand alone instrument for ALL 2008+ OBDII CAN bus vehicles

Please read through the following instructions thoroughly before starting your installation. If you have any questions

Section 2: Mounting and Connection iDash

If installing into vehicle with OBDII communication (standard):

1. Locate the OBDII port in your vehicle.

The OBDII port is located under the dash panel and can be found on either side of the steering wheel. Refer to your vehicle's owner's manual if you are having difficulty locating the OBDII port.

2. Connect Banks OBDII Cable to the vehicle's OBDII port.

NOTE: *For some vehicle models the OBDII port may need to be disconnected from its mounting location. Unclip or remove factory screws/bolts to relocate the OBDII port without bending or putting stress on the Banks OBDII cable. Secure the OBDII port under the dash.*
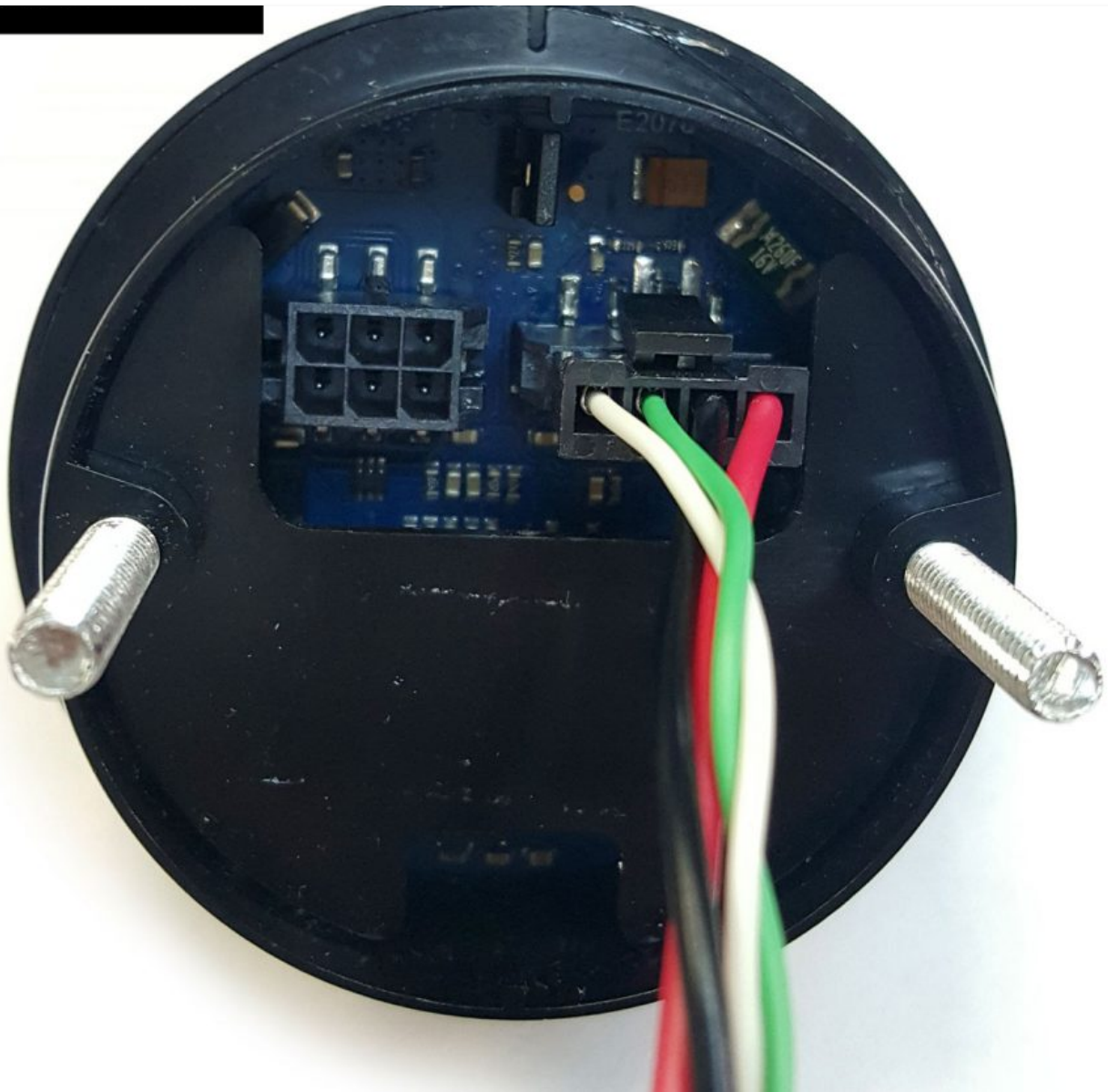
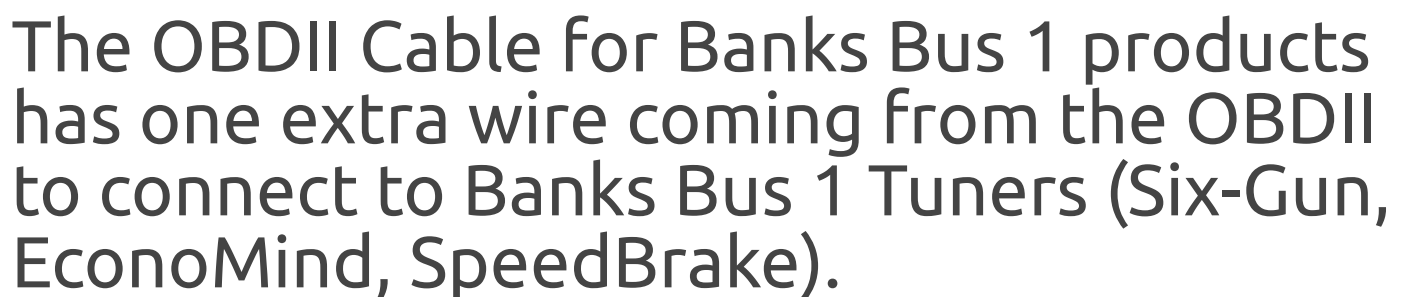# 3. Route Banks OBDII cable to reach the iDash.

Figure 2-3

4. Connect the Banks OBDII Cable to the 4-pin port on the iDash with the locking tab up.

If you have the standard iDash refer to **Figure 2-3**. If you have the iDash Banks Bus 1, refer to **Figure 2-4**.

NOTE: *If connecting multiple gauges refer to section 2.7 Advanced B-Bus Network – Multiple iDash of this page.*

2.2 OBDII Connection to Six-Gun, EconoMind, SpeedBrake

6-Pin OR 8-Pin Connector to Banks Bus 1 Products

OBD-II Connector

4-pin Connector to iDash 1.8 Banks Bus 1

The OBDII Cable for Banks Bus 1 products has one extra wire coming from the OBDII to connect to Banks Bus 1 Tuners (Six-Gun, EconoMind, SpeedBrake).

Ford 6.0L Power Stroke Applications

For any OBDII Cable for the Ford 6.0L, a connection has to be made to the fuse box (**Fuse #22**) using a fuse tap.
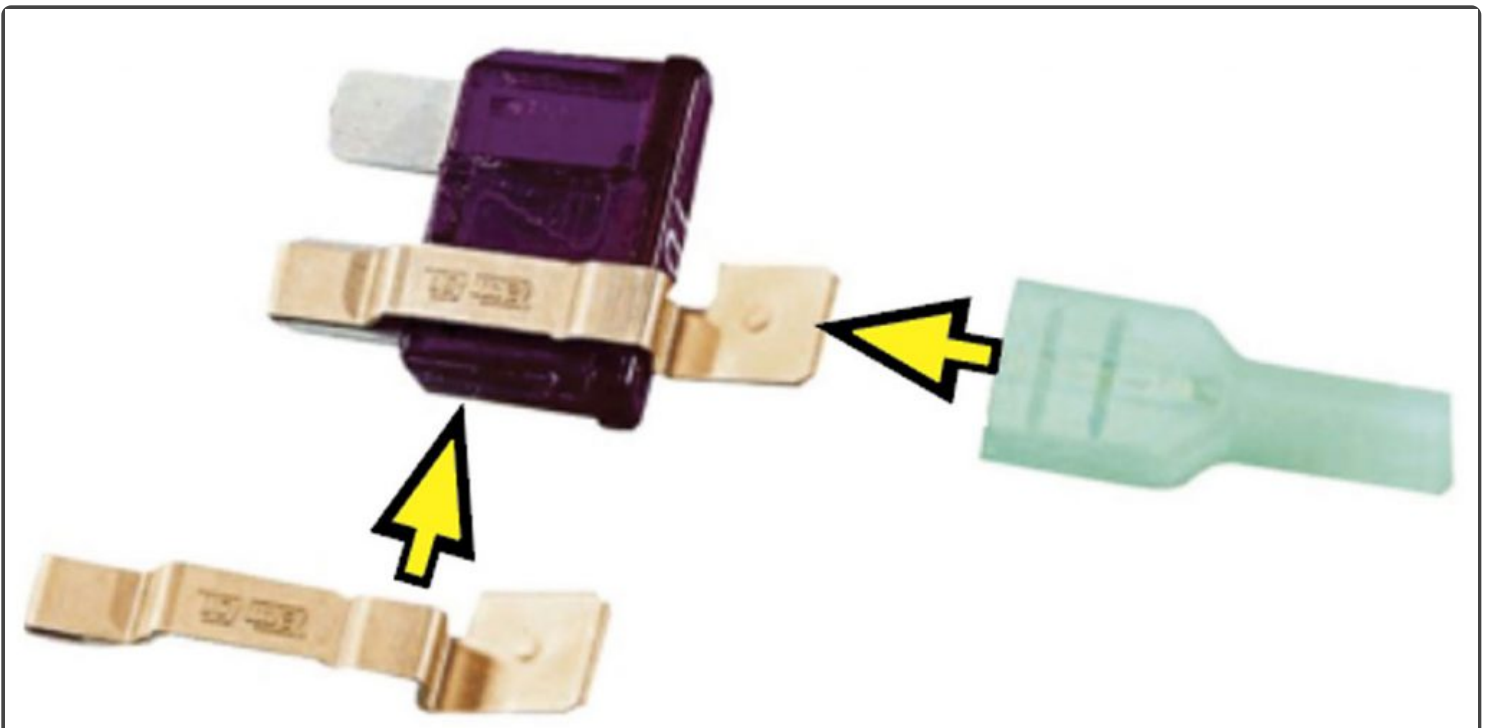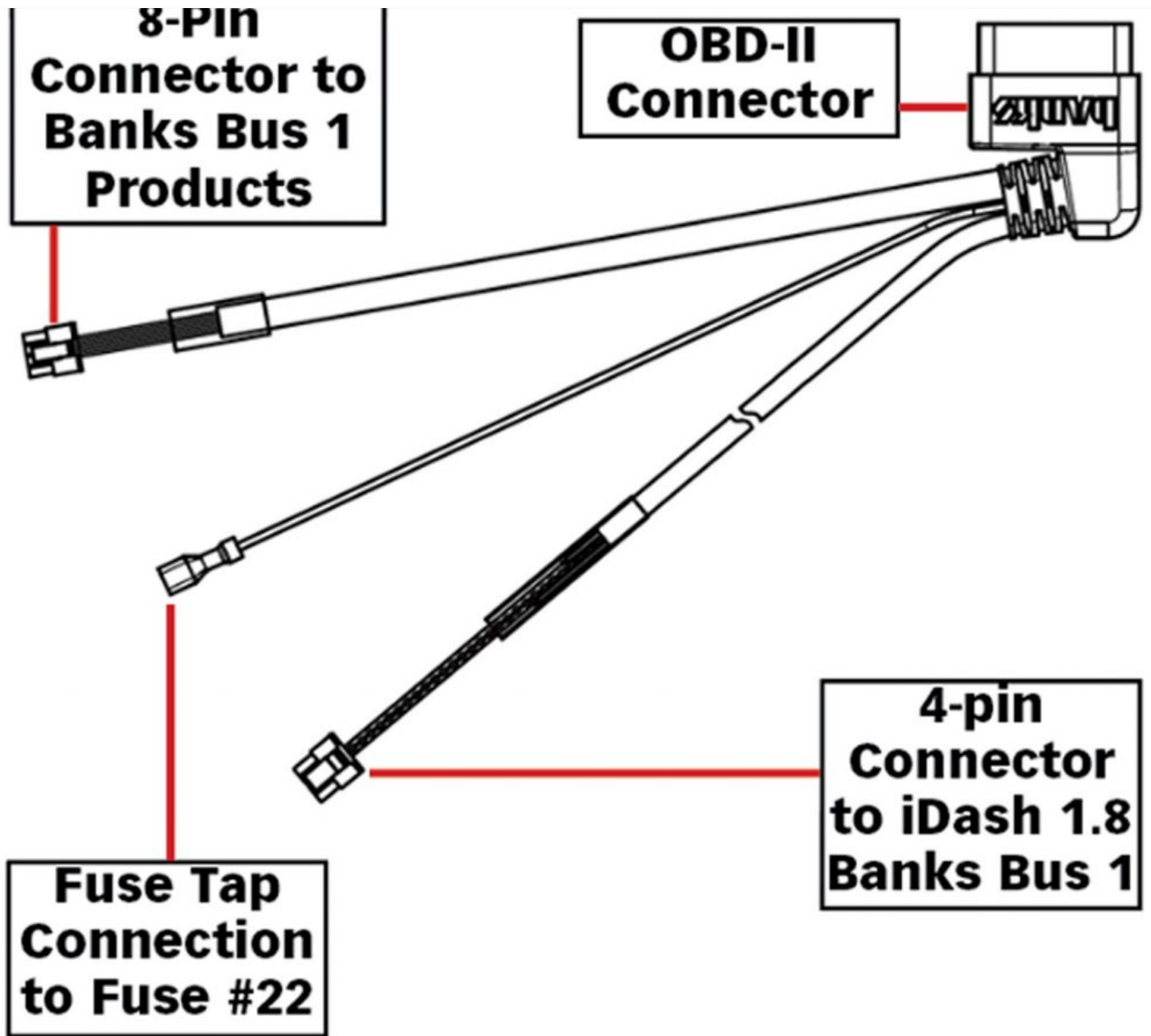
Fuse #22

1. Remove the panel to reveal the fuse panel below the steering wheel and remove **Fuse #22.**

2. Apply the provided fuse tap before reinstalling.

8-Pin Connector to Banks Bus 1 Products

OBD-II Connector

4-pin Connector to iDash 1.8 Banks Bus 1
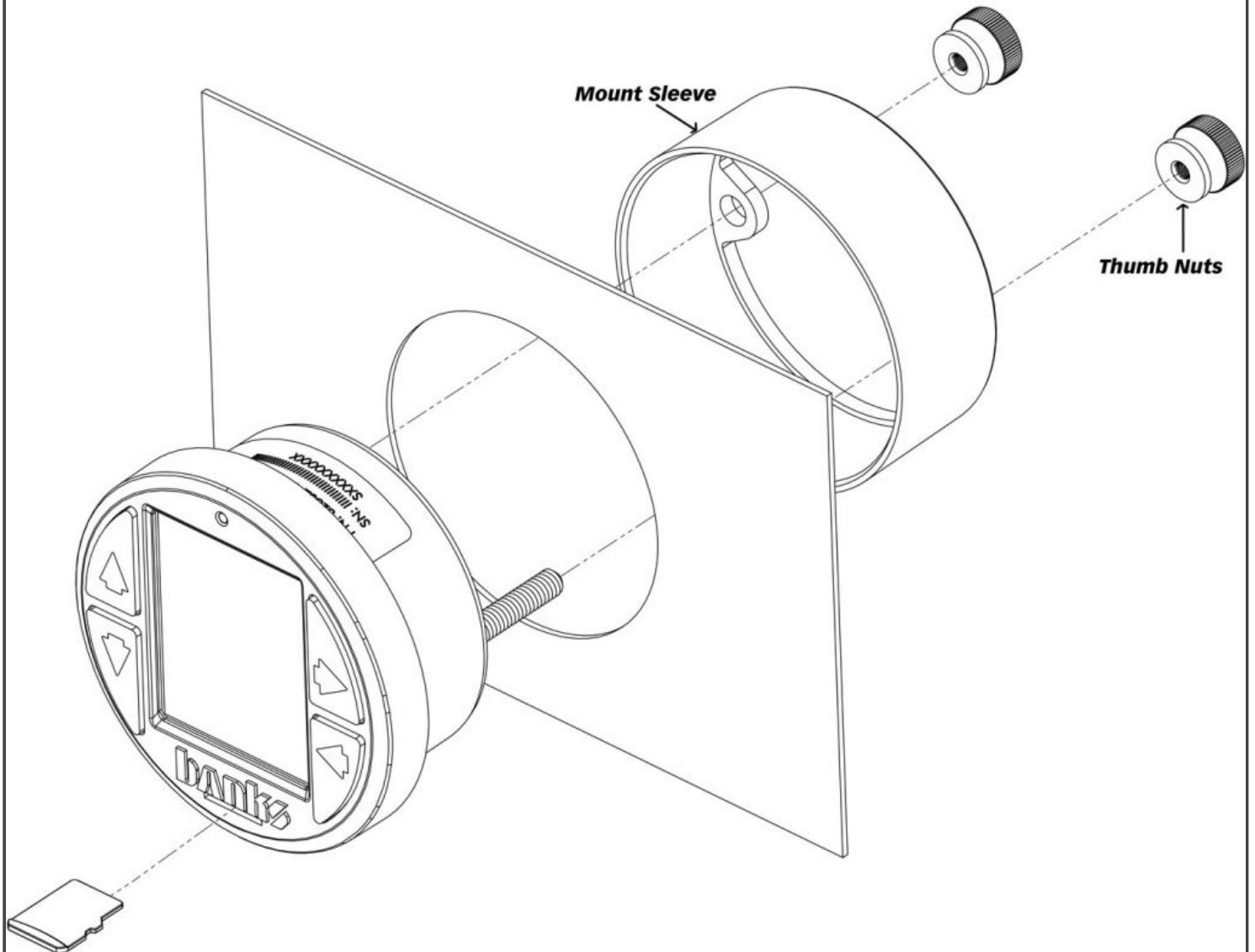
Fuse Tap Connection to Fuse #22

3. Route the female red terminal connector to the fuse tap. Refer to step 1 in this section.

For the operation of the Six-Gun, EconoMind, and Speed Brake refer to **Section 11.**

2.3 No OBD or Aftermarket ECU Connection
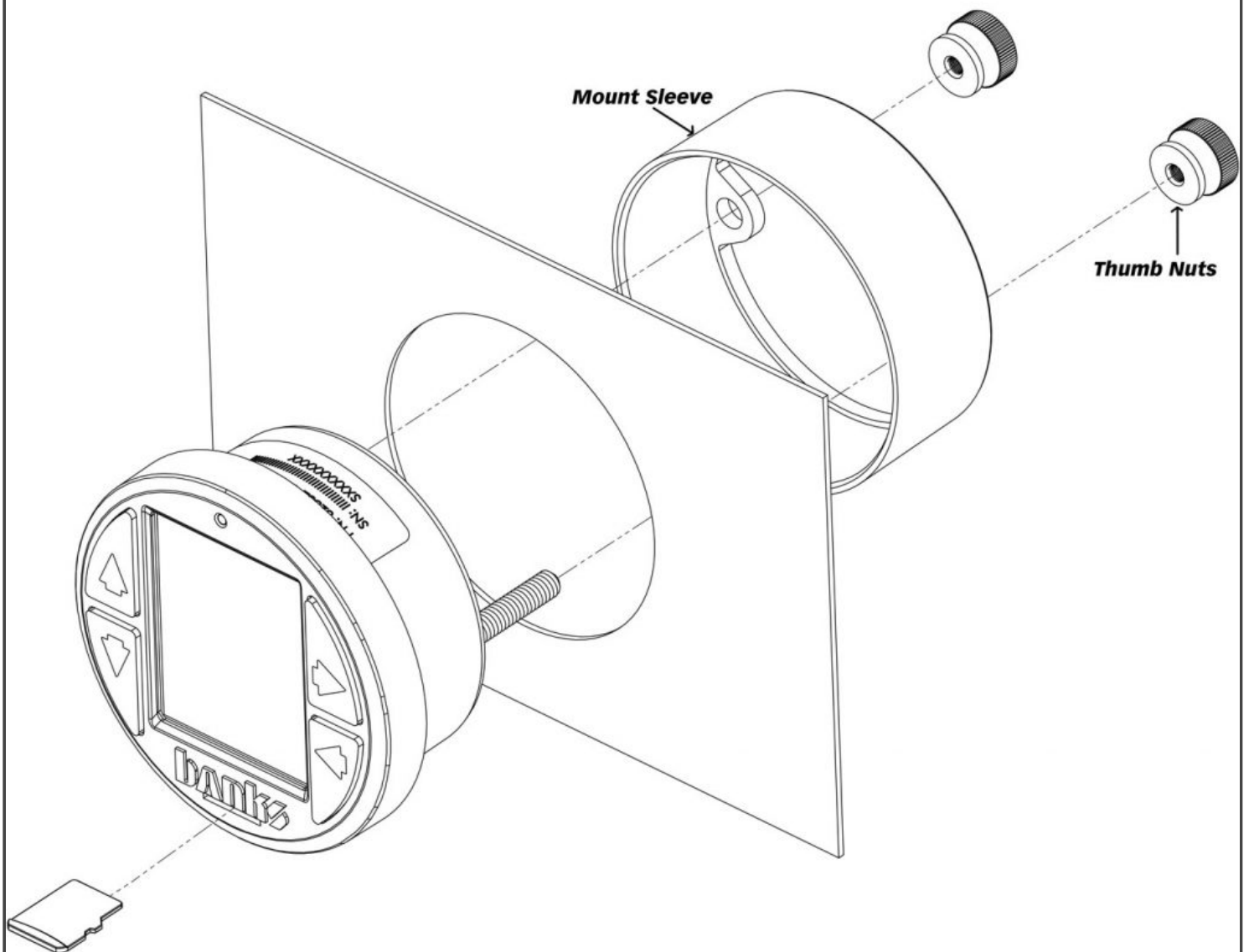
2.4 General iDash Mounting

Mount Sleeve

Thumb Nuts

1. To install the iDash with provided hardware:

Place the mounting sleeve behind the mounting surface and route the cables to the iDash.

2. Connect cables (i.e. OBDII, Aftermarket ECU Harness, Starter Cable) to the iDash 4-

3. Insert the iDash's studs through the mounting sleeve's holes.

Mount Sleeve

Thumb Nuts

4. Hand tighten the nylon thumb nuts.

iDash buttons may become unresponsive.

Untighten or sand the aftermarket mount hole (not the mounting sleeve) until you have a clearance for the iDash. If you do not want to use the mounting sleeve, ensure the mounting hole has a minimal press fit so that the buttons remain functional.

2.5 Part Number List

iDash and Data Input Cable   **P/N**
iDash 1.8 SuperGauge CAN bus **62882**
iDash 1.8 Banks Bus 1 CAN Bus **62885**
OBD-II Cable (Standard) CAN Bus **61300-35**
OBD-II Cable (Banks Bus 1) CAN Bus.. **Various P/N**
Aftermarket ECU Cable **61301-36**
Aftermarket ECU Termination Cable **61301-27**

Banks Bus In Cab Cables
B-Bus Starter Cable **61301-20**
B-Bus In Cab Terminator Cable (HW Rev 1) **61301-23**
B-Bus Termination Jumper (HW Rev 2) **61300-30**
B-Bus In Cab Y-Adapter **61301-22**
B-Bus Extension Cable (24") **61301-24**
B-Bus Extension Cable (48") **61301-25**

Banks Bus Under Hood Cables
B-Bus Under Hood Termination Cap...**61300-22**
B-Bus Under Hood Extension Cable (24") **61300-23**
B-Bus Under Hood Extension Cable (48").....................................**61300-24**
B-Bus Under Hood Extension Cable (72").....................................**61300-25**

2.6 Simple B-Bus Network – Single iDash

The simple B-Bus network can consist of one iDash Gauge, an In-Cab Terminator *OR* Jumper Block Termination, a B-Bus Starter Cable, a B-Bus Module, and a Black Termination Cap. See the figure below. **If using a single iDash gauge:**

Terminator (HW Rev 2)

6-Pin

4-Pin

OBD-II Cable (Standard)
OR
OBD-II Cable (Banks Bus 1)
OR
Aftermarket ECU Harness

Step A

In-Cab Terminator (HW Rev 1)

Step B

NOTICE
Only use one In-Cab Term. OR one Jumper Block
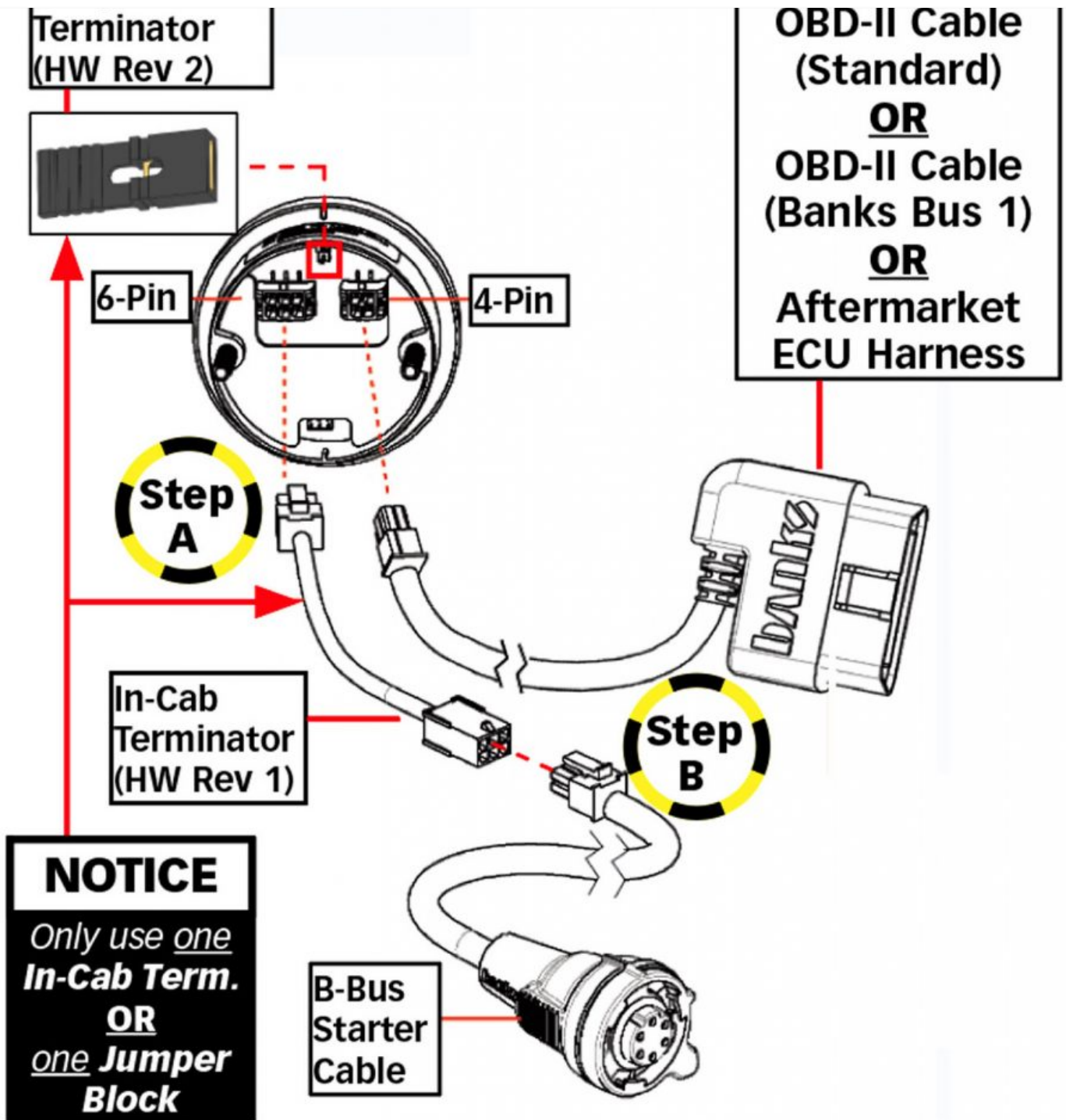
B-Bus Starter Cable

If you have a HW Rev 1 iDash:

A. Connect the Starter Cable to the In-Cab Terminator. Step A.

B. Connect the In-Cab Terminator to the iDash 6-Pin Port. Step B.
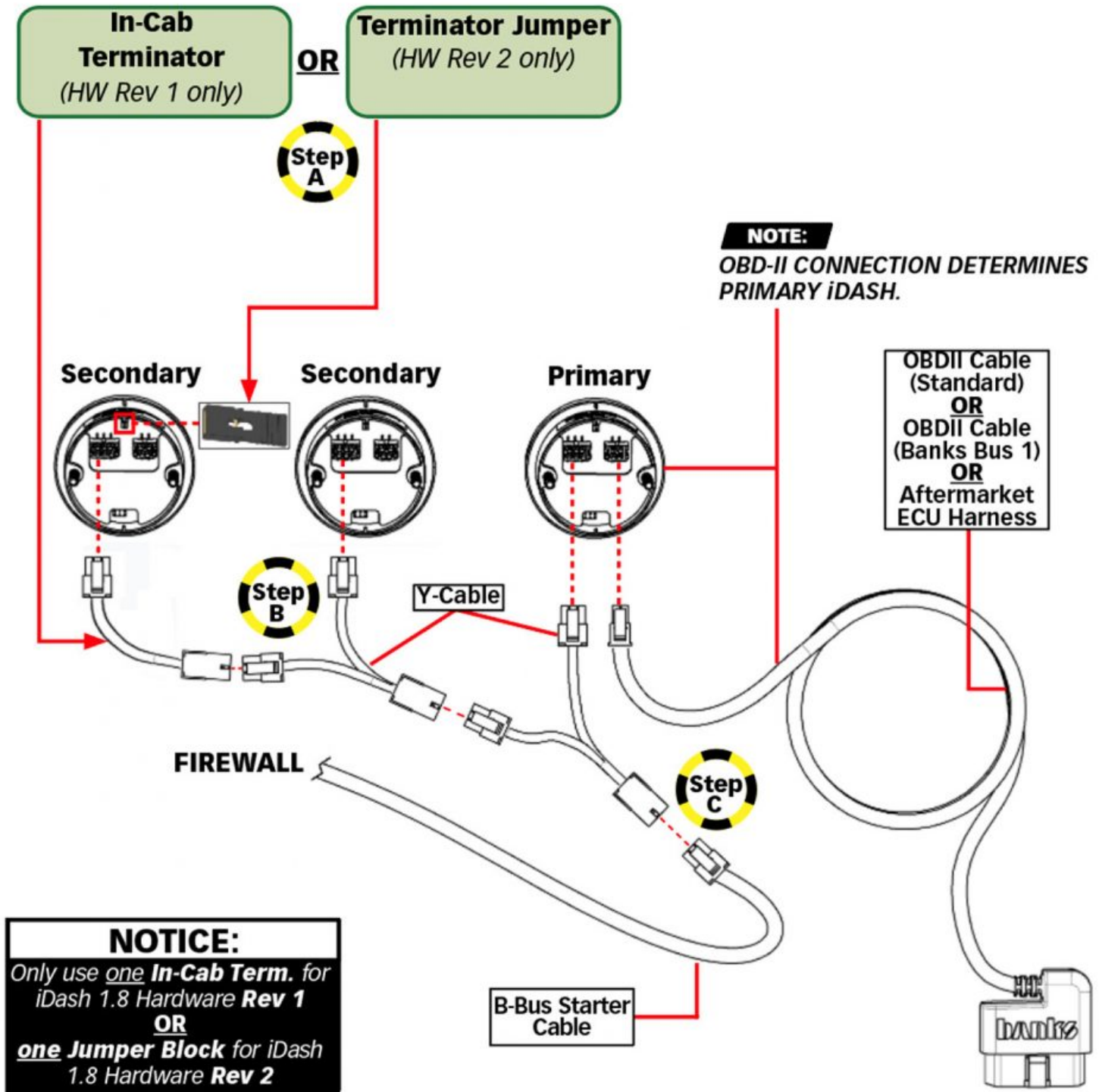
If you have a HW Rev 2 iDash...

A. Connect the Starter Cable to the iDash 6-Pin Port (Without the In-Cab-Terminator).

B. Confirm that the Jumper Block is connected to the iDash 2-Pin termination. See Figure 2-12.

## 2.7 Advanced B-Bus Network – Multiple iDash's

Up to three additional iDash's can be added to the network. Each additional iDash requires a Y-Cable.

the primary iDash. Only the primary iDash is capable or some features, such as:

- Vehicle Diagnostics (Reading/Clearing Codes and Emissions Readiness)
- Setting wake-up sensitivity
- Data logging
- Speed correction settings
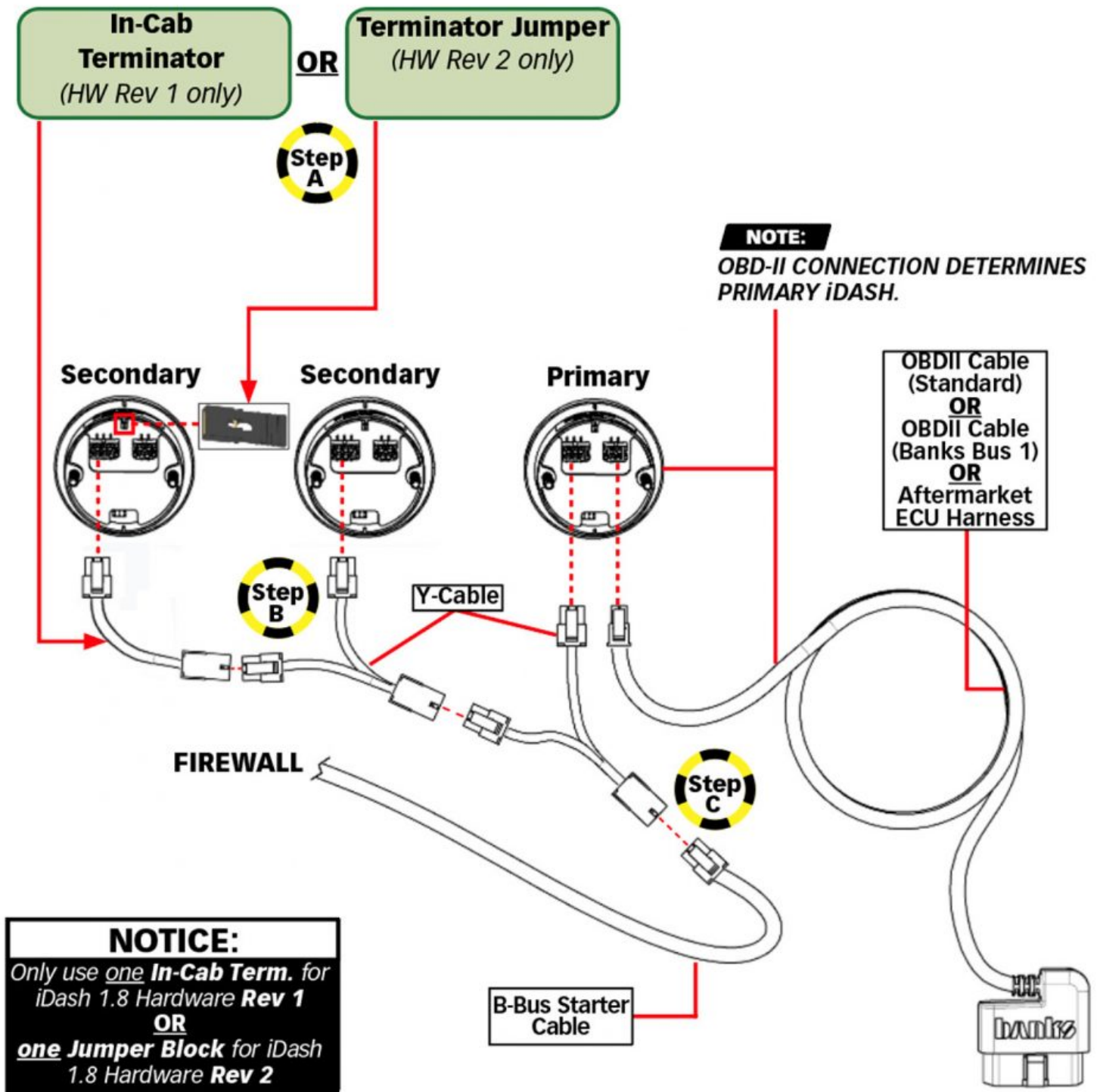
To start an Advanced B-Bus Network:

Figure 2-12

Jumper Block

2-Pin Termination
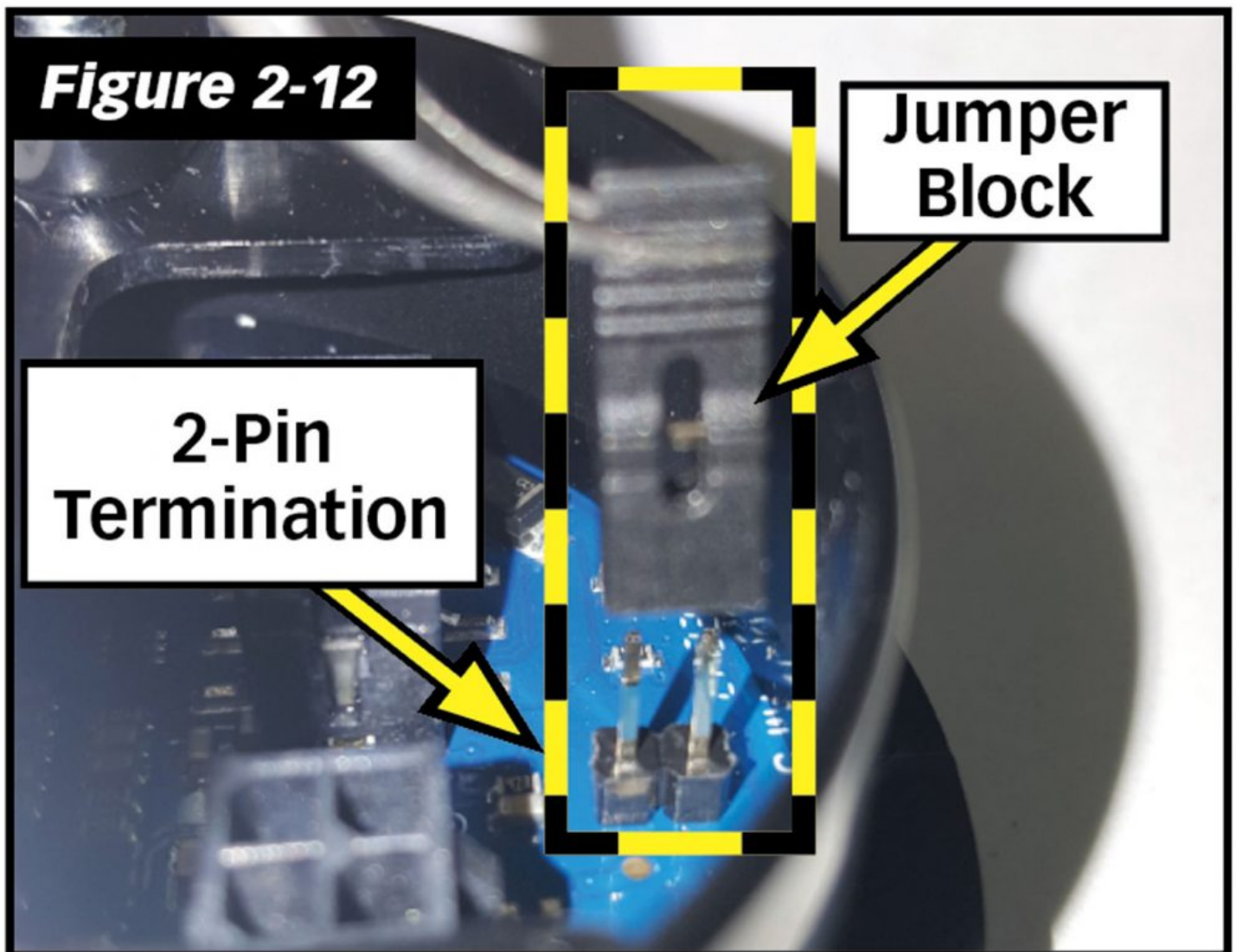
1. If you ONLY have HW Rev iDash's:

A. *Connect the* **In-Cab Terminator** *to the* **iDash 6-pin port.** *See* **Figure 2-11, Step A.** *Only one* **In-Cab Terminator** *is required.*

For each additional **iDash,** a **Y-Cable** is used.

C. *Connect the* **Starter Cable** *to the* **Y-Cable.** *See* **Figure 2-11, Step C**.

Figure-11

NOTICE:
Only use <u>one</u> **In-Cab Term.** *for iDash 1.8 Hardware* **Rev 1**
OR
<u>**one**</u> **Jumper Block** *for iDash 1.8 Hardware* **Rev 2**

2. If you have ONLY HW Rev 2 iDash's:

B. *C*onnect the **Starter Cable** *to the* **Y-Cable.**
See **Figure 2-11, Step C**.

C. R*emove extra* **Jumper Blocks** *from the added iDash 2-Pin terminations.*
See **Figure 2-12.**

NOTE: Only one jumper block terminator is required.

3. If you have a HW Rev 1 and Rev 2 iDash's:

Follow either instruction for Rev 1 **OR** Rev 2, but only use a single terminator in-cab.

2.8 Checking B-Bus Network Termination Type

Figure 2-12

Jumper Block
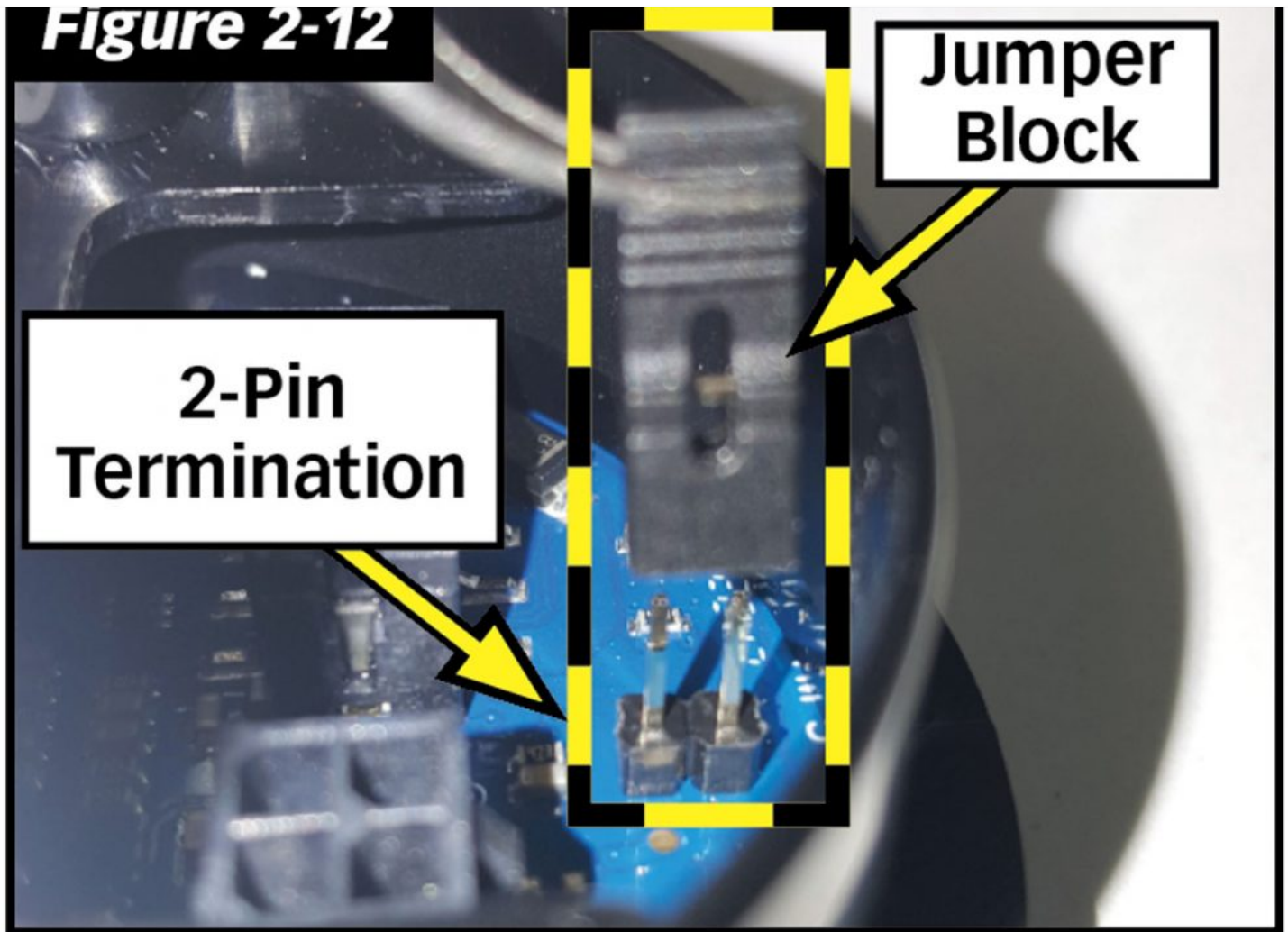
2-Pin Termination

When using multiple iDash gauges and/or Banks Modules it is very important that there be **ONLY one termination in-cab.**

Otherwise, your iDash may have trouble communicating to other devices on the network.
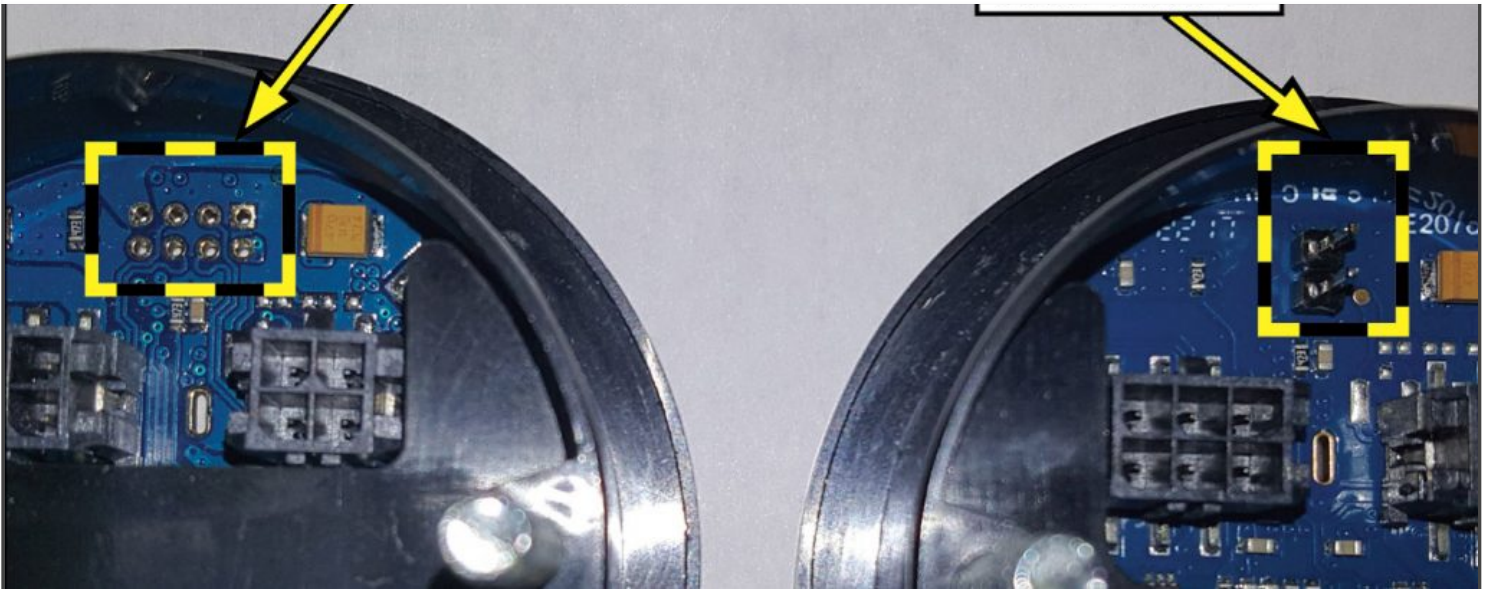
Check which iDash Hardware Version you have.

Look behind the iDash as shown in **Figure 2-12 & Figure 2-13** to visually confirm the **Jumper Block Termination**. You can check the "**Hardware Rev:**" in the "**System Information**" menu, as shown in **Figure 2-14**.
If you have **Hardware Revision 1,** you **must use** the **In-Cab Terminator.**

MENU

Diagnostics
Alerts
Min/Max Log
Shift Light
B-Bus Modules
Settings
System Information

INFO

iDash 1.8 Primary
Capture BID Support

OR

INFO

iDash 1.8 Secondary 1
Sysid : 31
Firmware : 109.1
Cal Type : 1
Hardware Rev : 1
Boot Ver : 4
Serial : EKK21217194000

INFO

iDash 1.8 Primary
Sysid : 31
Firmware : 108.7
Cal Type : 1
Hardware Rev : 2
Boot Ver : 4
Serial : EAA10618178000
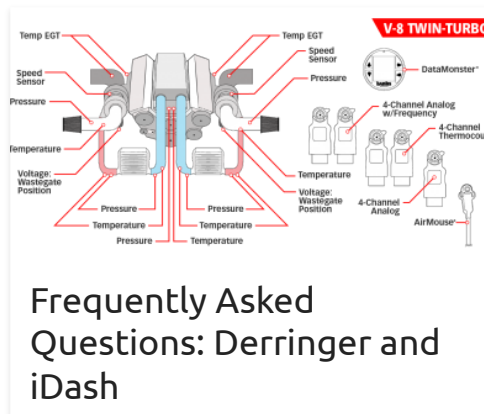
have the pre-installed Jumper Block Termination.

DO NOT use the **In-Cab Terminator** for **HW Rev 2 iDash.**

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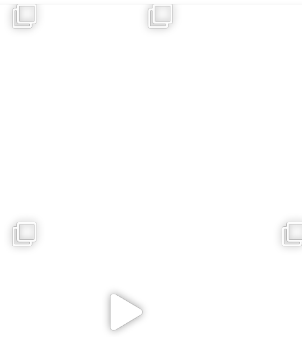#banksspeedschool

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