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CAN Bus Gauge for ProEFI
Installation Manual
Doc version 2.0

Notice: This product is intended for Off-Road use only.
Never take your eyes off of the road while using this device.
If you are uncomfortable with wire termination, please have
this device installed by a competent shop.

Patent Pending

ECU Connections:

This kit includes 3M T-taps for ECU terminations.

Typically we would suggest that most automotive terminations be soldered, but we feel that the use for 3M T-taps for non-essential hardware is acceptable.

Place the T-tap connector around the desired wire:



Squeeze down on the T-tap until you here the latch click:



Finally, Plug in the insulated male connector into the T-tap:



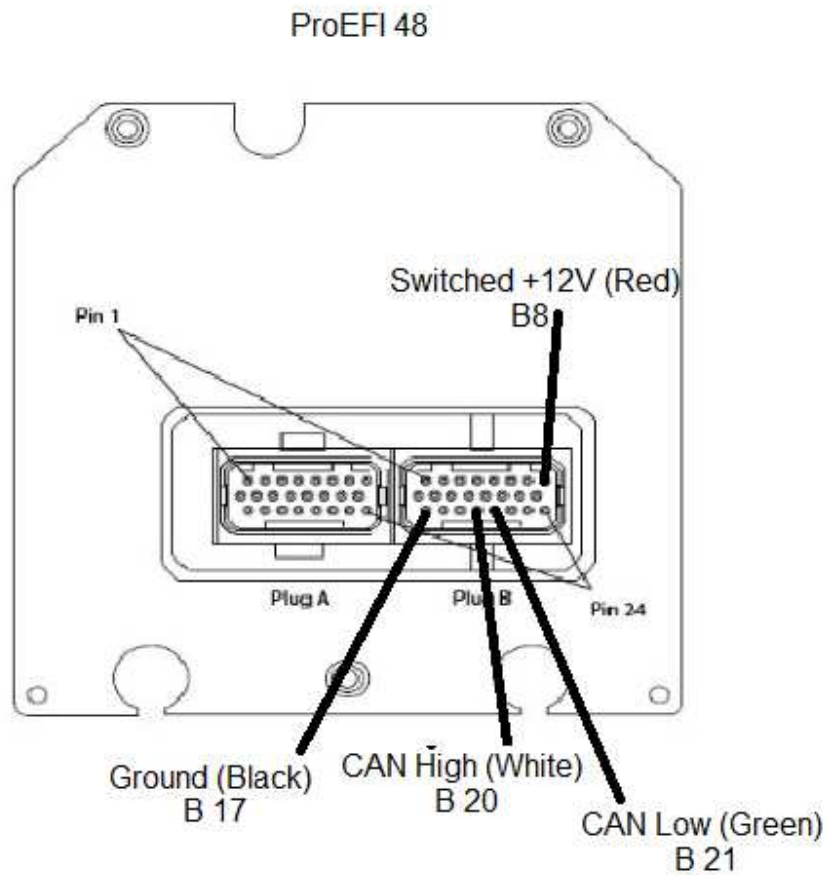
ProEFI 48:

Install a Blue T-Tap on wire B17 and plug in the Black ground wire form the 10 foot gauge cable.

Install a Blue T-Tap on wire B08 and plug in the Red power wire form the 10 foot gauge cable.

Install a Red T-Tap on wire B21 and plug in the Green CAN low wire form the 10 foot gauge cable.

Install a Red T-Tap on wire B20 and plug in the White CAN high wire form the 10 foot gauge cable.



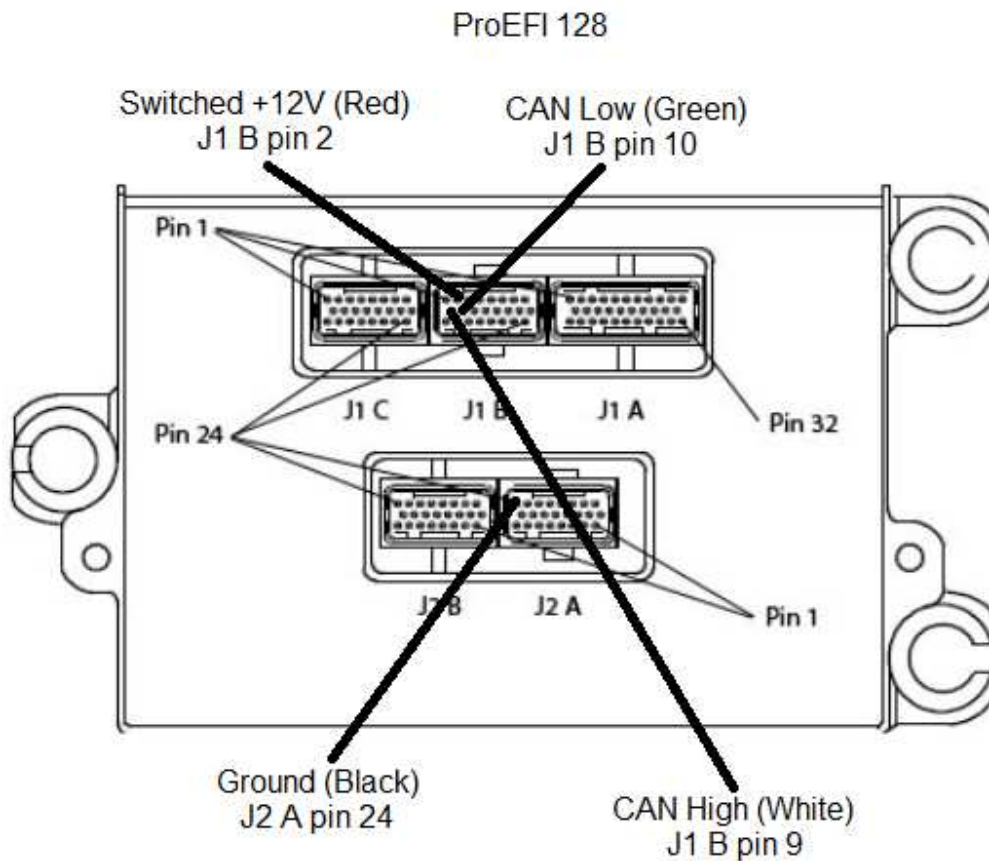
ProEFI 128

Install the T-Tap on wire J2 – A24 and plug in the Black ground wire form the 10 foot CAN gauge cable.

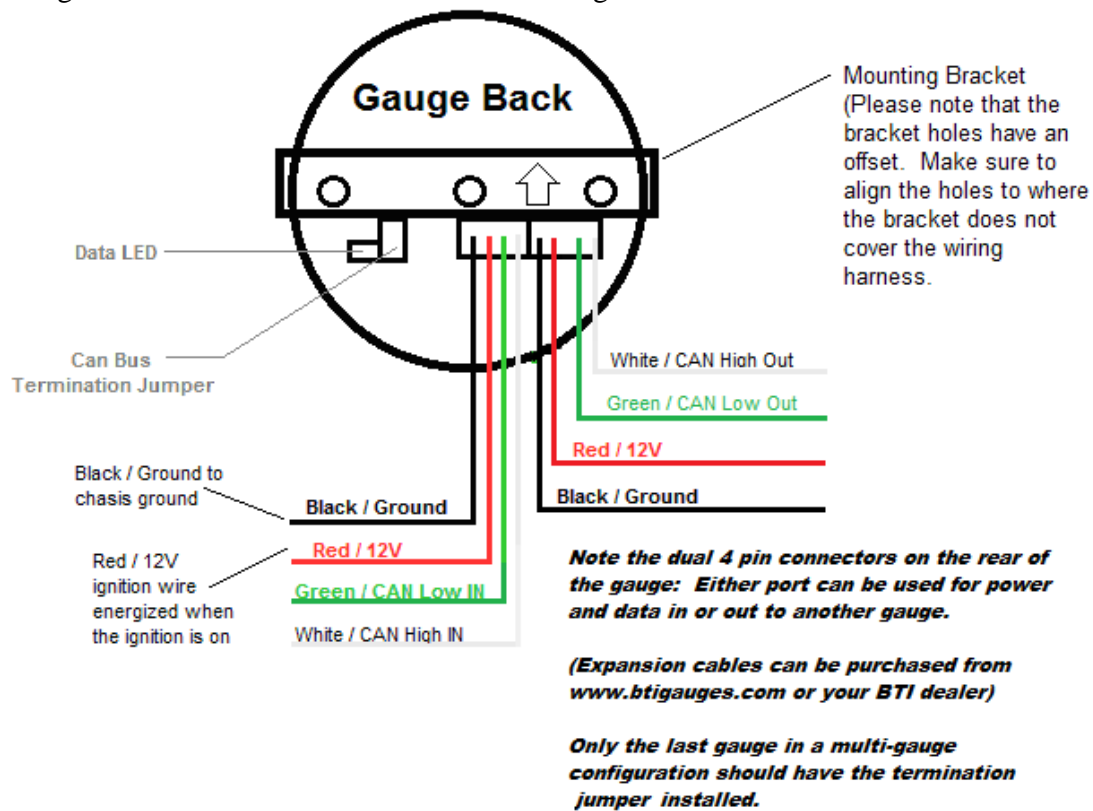
Install the T-Tap on wire J1- B02 and plug in the Red power wire form the 10 foot CAN gauge cable.

Install the T-Tap on wire J1- B10 and plug in the Green CAN low wire form the 10 foot CAN gauge cable.

Install the T-Tap on wire J1 B09 and plug in the White CAN high wire form the 10 foot CAN gauge cable.



Note: In the event that you have fluorescent lights or neon signs in your vehicle, there is a ground shield wire that is concealed under the heat shrink on the plug and pin harness. The ground shield wire should be connected to ground on one end of the harness.



Dual White 4 pin Connectors: It does not matter which 4 pin connector you plug the wire harness into. The remaining connector can be used for expansion to more gauges.

Data LED: This indicator will flash when ever the gauge is energized and CAN communications are present and a valid parameter is selected to be displayed. Use this to confirm communications.

CAN Bus Termination Jumper: Remove this jumper if the gauge is not the last device on the CAN Bus. If there are multiple gauges, the last gauge should be the only gauge with the jumper installed. Leave the jumper installed if the gauge is a stand alone installation and there is nothing else on the CAN Bus.

*** Notice that ProEFI ECUs require that the proper termination resistance be present in order to function***

Operation:

Upon powering up a properly terminated gauge, the Gauge will display the interface and version number,

The gauge will then display a splash screen if one is programmed.

Following the splash screen, the gauge will display the first screen. (This screen usually has a parameter assigned from testing the gauge after manufacturing)

The remaining 11 screens will display the following message:

“No parameter selected for screen # 1-12”

Use the Left or Right buttons to scroll through the 12 screens.

Use the center button to enter the screen configuration.

Once in the screen configuration, use the Left or Right buttons to scroll to the desired parameter or compound parameters that you wish to assign to the selected screen number. After the desired parameter or parameters have been selected, use the Center button to complete the screen assignment.

When the gauge is powered off, the last screen that was used for more than 60 seconds will be the next screen displayed when power is reapplied to the gauge.

Shift Light Configuration:

Press and hold the left button after energizing the gauge until the shift light configuration screen appears. The menu will prompt you to enter an RPM number for each gear (1-5). Use the left and right button to increment or decrement the RPM value. Use the center button to save the value for each gear. The shift light will flash once the setup is complete.

Warranty:

All BTI Gauges carry a 1 year warranty effective at the time of purchase.

- This warranty extends only to products distributed and/or sold by BTI Gauges. It is effective only if the products are purchased and operated in the USA. (Within the USA including US 48 States, Alaska and Hawaii.)
- This warranty covers only normal use of the computer. BTI Gauges shall not be liable under this warranty if any damage or defect results from (i) misuse, abuse, neglect, improper shipping or installation; (ii) disasters such as fire, flood, lightning or improper electric current; or (iii) service or alteration by anyone other than an authorized BTI Gauge representative.
- You must retain your bill of sale or other proof of purchase to receive warranty service.
- No warranty extension will be granted for any replacement part(s) furnished to the purchaser in fulfillment of this warranty.