



2650-2153-77 Rev. D

# CAN BRIDGE FOR HOLLEY INSTRUCTIONS



Connects V2 or newer InVision dashes or Air Core driven gauges to Holley EFI

## What is Included:

- (1) CAN Bridge module
- (1) CAN interface cable
- (1) Power cable
- (6) Gauge interface cables
- (3) Spade terminal splitters

## Recommended Tools & Supplies:

- Wire strippers
- Wire crimpers
- Wire coverings for neatly organizing or bundling wires.
- Zip Ties for neatly bundling wires and/or mounting the module.
- Wire diagram of your vehicle
- 5A fuse & fuse holders
- Soldering iron, solder & various sizes of heat shrink tubing
- Digital volt/ohm meter

## Step 1, Introduction:

The CAN Bridge for Holley is designed to read specific channels from a Holley EFI system: HP, Sniper V1, Sniper V2 (requires separate harness 5240), Dominator, Terminator, Terminator X, & Terminator X Max.

It can provide instrument signals for the AMP V2, or newer InVision displays and/or AMP traditional Air Core gauges (does not support stepper motor driven gauges).

Each Holley EFI system provides different channels depending on the system and any installed Holley expansion modules. See the chart in the appendix.

The InVision dash, and of course the traditional gauges, can still be hard wired to their own sensors if need be.

## Step 2 Wiring

Wiring will require some basic automotive electrical knowledge, and in some cases a vehicle specific wiring diagram, or the ability to test circuits to verify proper hook ups. You will need to be able to test various circuits at this time.

### Power Harness

**4-Pin connector:** Plug this connector into port J1

**Pink & Red 12v, key on power.** Connect to the factory gauges' power only if it is 12v. This power should turn on and off with the ignition switch. If there is no factory wire to use, you might find an ignition power from the fuse box, or from the ignition switch. This should be protected with a standard automotive 5A in line fuse.

**Black System ground.** We recommend you choose a new ground location for these wires, preferably at the engine. You can ground to the rear of one of the cylinder heads, or on the intake manifold to one of the unused accessory bolt holes. We do NOT recommend using existing, factory cluster ground as this is going to be a much older circuit, which may no longer be a very clean ground.

### Gauge Interface Harness

**3-Pin connector:** Plug this connector into one of the ports; J5-J10.

**Red 12v Reference.** This wire is only used for a tach or a speedo and does not provide power. It must be connected to 12v source that is fed to the gauge and the spade terminal splitter is provided. This can be coiled up or snipped off for the other gauges.

**Green: Signal wire.** Connect to the signal terminal on the gauge

**Black: Gauge Ground.** Connect to the ground terminal on the gauge.

### CAN Interface Harness

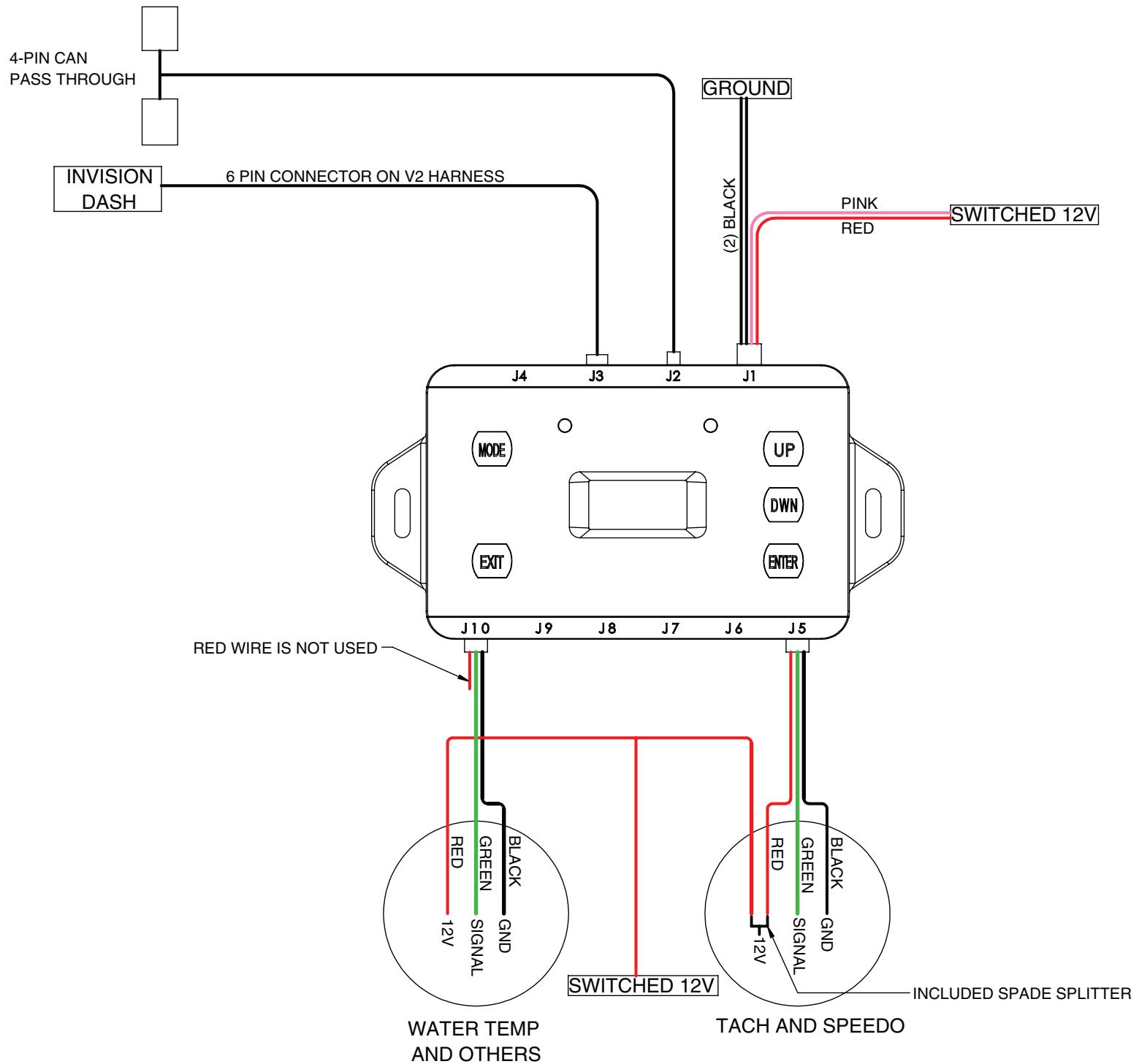
**4-Pin connector:** Plug this connector into port J2

**CAN pass through Connector:** Plug one end into the Holley CAN connector (where the Holley display is connected) and the other end into the Holley display connector. This allows the use of the Holley display and the CAN bridge at the same time.

Sniper 2 is connected in the same manner but uses separate harness 5240

### InVision Interface Harness

**6-Pin connector:** This connector is part of the InVision V2, or newer, harness, plug this connector into port J3



### Step 3, Setting up the module:

#### \*\*Unit must be in configuration mode to make and changes\*\*

**Entering configuration mode:** With the Can Bridge connected to power, press and hold the “MODE” button for until the blue LED lights up (approximately 6 seconds).

**Setting the channels:** Channel 1 is port J5, Channel 2 is port J6...

The factory defaults are the following:

Channel 1 is Tachometer

Channel 2 is Speedometer

Channel 3 is Water temperature (100-250°F or 40-120°C)

Channel 5 is Oil Pressure (0-100 PSI or 0-7 Bars)

These can be moved from one port to another to your liking by clicking “ENTER” on the Channel you want to change then selecting and clicking “ENTER” on value you want that channel to be. You can click “EXIT” to get to the previous menu.

**CAN:** Under “MODE” select the Holley EFI system that you have:

- **RcPakCAN**
  - Terminator, HP or Dominator CAN is set to output to “Racepak”.
- **DomTermCAN**
  - Dominator, Terminator, Terminator X, or Terminator X Max.
- **SnprV1CAN**
  - Original Sniper and Sniper 2 (Requires separate CAN harness P/N: 5240).
- **SnprV2CAN**
  - Only used for the Sniper 2 if the SnprV1CAN setting doesn't work.

Configuration mode must be exited before the MODE change will take affect (press and hold the “MODE” button until the blue light goes out).

\*\*Under “Baudrate” CAN1 should be set to 1mbps (default) for current Holley EFI systems.\*\*

**LCD Cluster:** By default, Speed, RPM, Engine temperature, fuel level, and oil pressure set to “CAN” meaning that an InVision dash will take these signals from the CAN Bridge if they are available. If you want to hardwire a signal to the InVision click “ENTER” on the signal, select HARDWIRE and click “ENTER”. You can click “EXIT” to get to the previous menu.

**Utilities:** The brightness of the menu can be changed from 10-100%

**About:** Under Version you can find the firmware information. Update is factory use only.

**Leaving configuration mode:** Press and hold the “MODE” button for until the blue LED turns off (approximately 6 seconds).

#### Notes:

The odometer on both traditional AutoMeter Speedometer and the InVision are driven by speed signal and not from the OBDII. When using the CAN Bridge with traditional gauges keep it in mind that it will only work with short sweep Air Core type gauges. Full sweep stepper motor driven gauges will not function.

Menu screen will automatically go to sleep after 20 seconds of inactivity, hit any button to wake it up.

#### Appendix:

Holley system(s)	*Speed	RPM	Coolant Temperature	*Oil Pressure	Battery Voltage
Terminator(X/Max)/HP/ Dominator	X	X	X	X	X
Sniper V1		X	X		X
Sniper V2		X	X		X
RacePak	X	X	X	X	X

\* Speed and Oil Pressure data is dependent on the Holley kit or add-on for availability

#### SERVICE

For service send your product to Auto Meter in a well packed shipping carton. Please include a note explaining what the problem is along with your phone number. If you are sending product back for warranty adjustment, you must include a copy (or original) of your sales receipt from the place of purchase.

#### 12 MONTH LIMITED WARRANTY

AutoMeter Products, Inc. warrants to the consumer that all AutoMeter High Performance products purchased from an Authorized AutoMeter Reseller will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at AutoMeter's option, when determined by AutoMeter that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the AutoMeter High Performance product and the necessary labor done by AutoMeter to effect the repair or replacement of the AutoMeter High Performance product. In no event shall AutoMeter's cost to repair or replace an AutoMeter High Performance Product under this warranty exceed the original purchase price of the AutoMeter High Performance Product. Nor shall AutoMeter Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of an AutoMeter High Performance Product. This warranty applies only to the original purchaser of the AutoMeter High Performance Product and is non-transferable. This warranty also applies only to AutoMeter High Performance Products purchased from an Authorized AutoMeter Reseller. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. AutoMeter disclaims any liability for consequential damages due to the breach of any written or implied warranty on all products manufactured by AutoMeter Products, Inc. For a comprehensive listing of Un-Authorized AutoMeter Resellers please visit [www.autometer.com/autometerlocator/index/unauthorized](http://www.autometer.com/autometerlocator/index/unauthorized).

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