

MSD INSTALLATION INSTRUCTIONS

Atomic TBI Throttle Position Sensor Module PN 2939

ONLINE PRODUCT REGISTRATION: Register your MSD product online. Registering your product will help if there is ever a warranty issue with your product and helps the MSD R&D team create new products that you ask for!

Parts Included:

1 - TPS Module

1 - Parts Bag

OVERVIEW

The Atomic TBI Throttle Position Sensor Module is designed for use with the MSD Atomic Throttle Body Fuel Injection system. It connects inline to the Atomic TBI communication network and provides a common 0-5 volt throttle position output signal that is required for the operation of an electronic overdrive transmission or other accessory.

CARB Compliant Atomic TBI Installation: The Atomic TBI system has been granted Executive Order number D-722 which deems it legal to install on 1987 and older GM passenger vehicles and trucks that were originally equipped with a carburetor and V8 engine. During a CARB Compliant installation, the factory ECU remains in place to operate the ignition timing and AIR Pump system. In order for the OE systems to function properly, a TPS signal is required. The outputs of the TPS Module will provide the correct signals for the factory ECU and is required during any CARB compliant Atomic TBI installation (see Figure 3).

The Atomic TPS Module has two output wires that must be connected:

- Yellow – 0-5 volt TPS signal
- Black – Ground reference

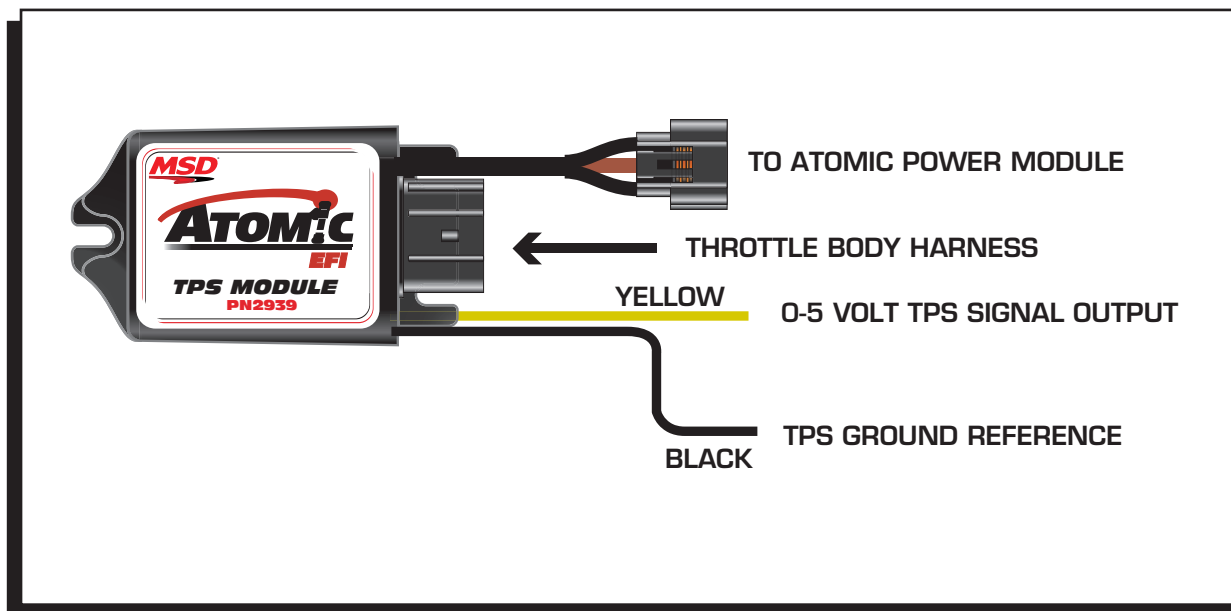


Figure 1 Atomic TBI TPS Module.

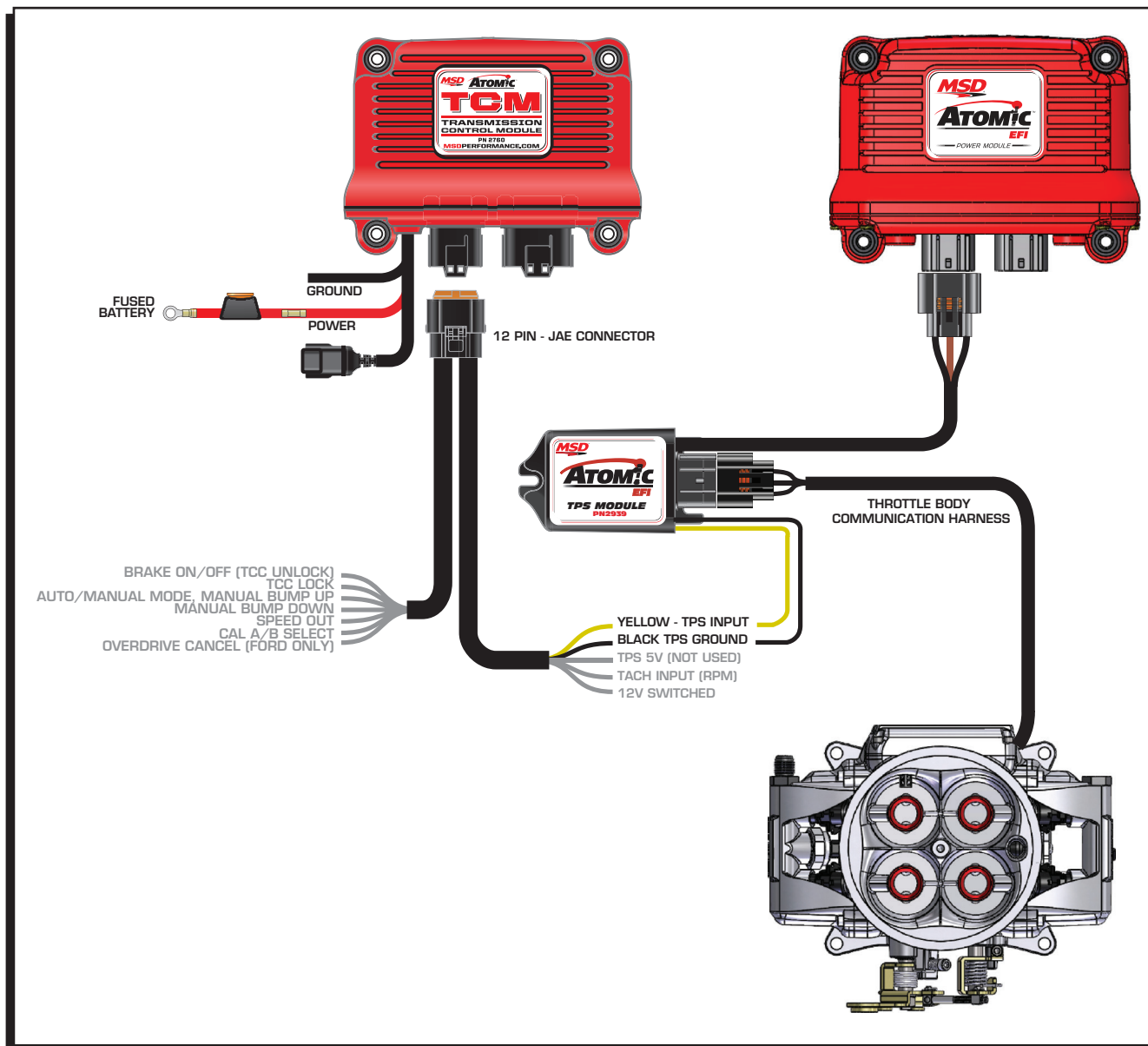
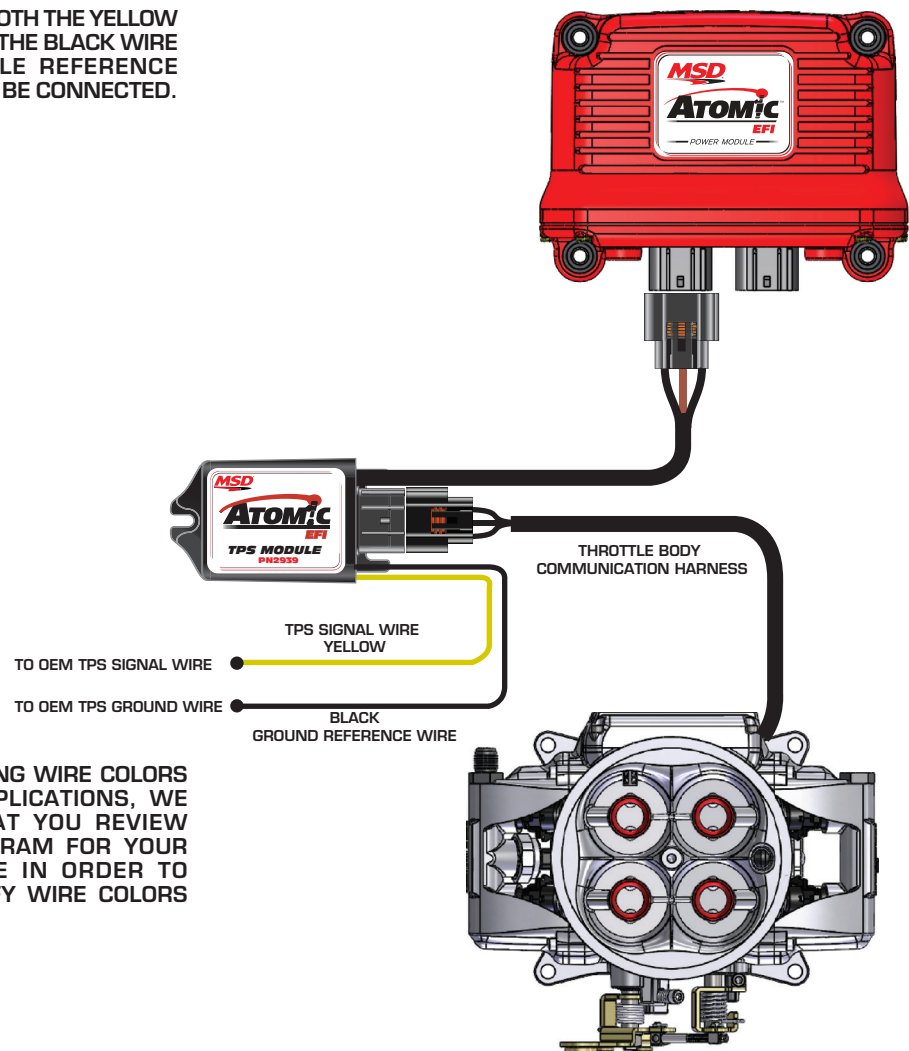


Figure 2 Wiring with an Atomic Transmission Controller.

NOTE: ALWAYS CONNECT BOTH THE YELLOW AND BLACK WIRES. THE BLACK WIRE PROVIDES A STABLE REFERENCE GROUND AND MUST BE CONNECTED.



NOTE: DUE TO THE VARYING WIRE COLORS USED IN OEM APPLICATIONS, WE RECOMMEND THAT YOU REVIEW THE WIRING DIAGRAM FOR YOUR SPECIFIC VEHICLE IN ORDER TO PROPERLY IDENTIFY WIRE COLORS AND FUNCTIONS.

Figure 3 Wiring to an OEM GM ECU for CARB Compliance Atomic TBI Installation.