



Vertical Visions LLC  
6 Point of View  
Bridgeport, WV 26330 USA

Phone: (304) 933-9391  
Email: JBell@VerticalVisions.com  
Web: www.VerticalVisions.com

## TIPM Test/Bypass Cable for 2007-2014 Dodge/Chrysler/Jeep/VW Vehicles

Thank you for your purchase of our TIPM Test/Bypass cable. Please visit our website for the current list of applicable vehicles (new models are regularly added) and contact us with any questions you may have.

### Cable Capabilities:

- Checks fuel pump functionality. Service departments often claim that you have a bad fuel pump when the TIPM fuel pump relay is the true problem. With the vehicle turned off, our cable can power your fuel pump and you'll be able to hear it pumping
- Bypasses a bad fuel pump relay, allowing most vehicles that will not start to work properly. It works for vehicles that won't start (fuel pump relay won't pass 12 VDC) or those that power the fuel pump when the vehicle is off (fuel pump stuck on).

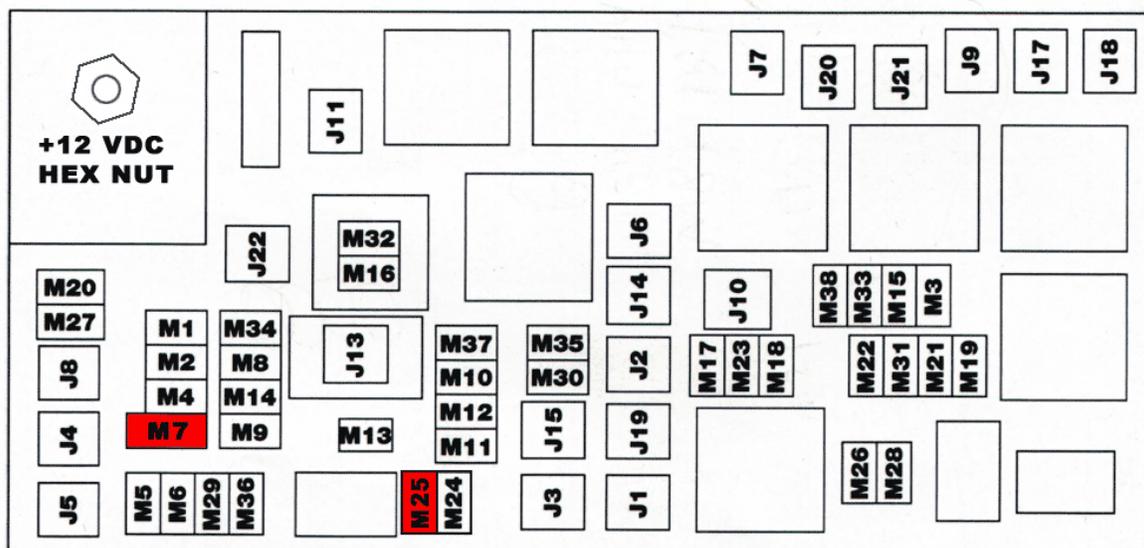
### Cable Limitations:

- No remote start on some vehicles due to the vehicle disabling the power adapter circuit (M7) used to power the fuel pump (M25) in bypass mode.
- In bypass mode, it is unknown how it will affect safety mechanisms that shut off power to your faulty fuel pump relay during a crash.

**NOTE:** Visit [www.VerticalVisions.com](http://www.VerticalVisions.com) for a TIPM testing/bypass cable video showing all tests listed below. If you'd prefer a permanent fix, we repair TIPMs with 24 hour service and a one year warranty. Simply send us your TIPM and we'll replace your faulty fuel pump relay at the circuit board level. We'll also refund the full price of your TIPM test/bypass cable if you send it back along with your TIPM repair order. See our website for further information.



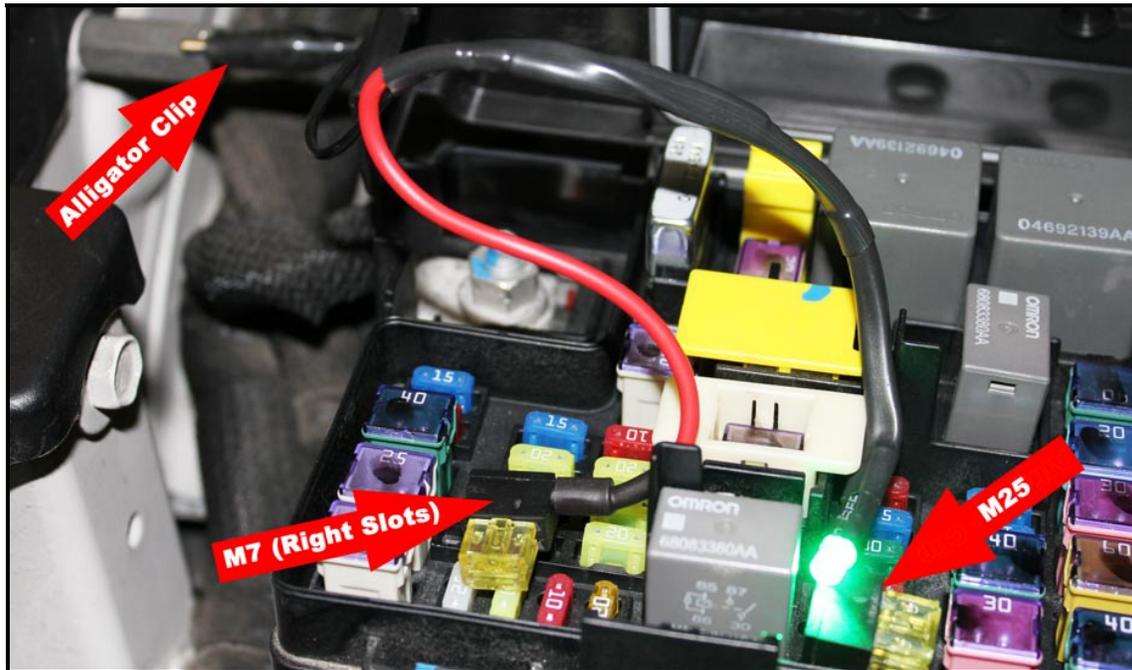
TIPM disassembled - Faulty relay shown circled in red



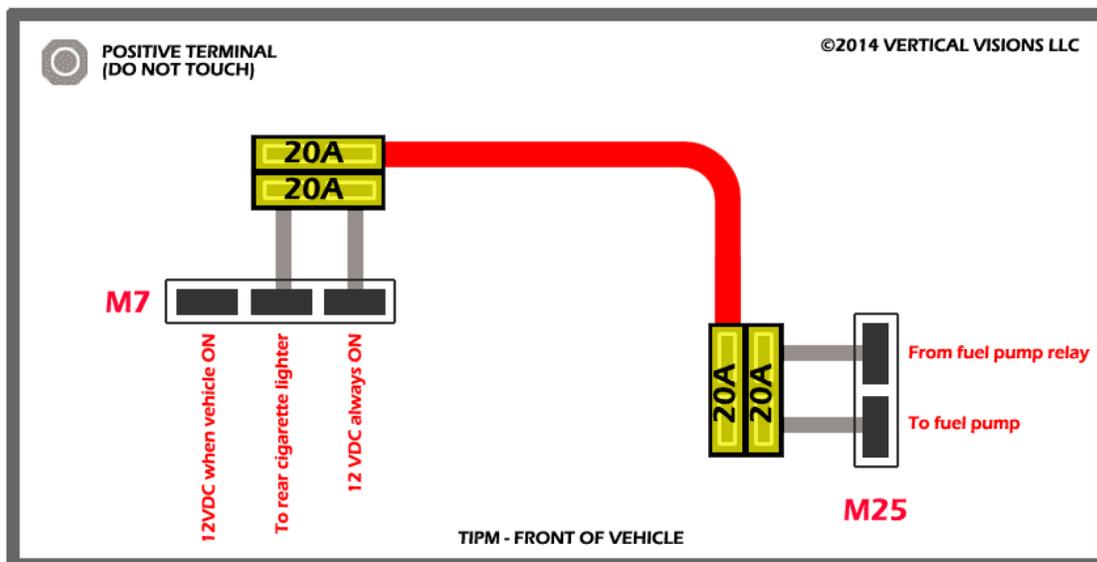
TIPM fuse locations (M7 and M25) are shown in red for use with our test/bypass cable. M7 consists of three terminals (far right position provides 12VDC when vehicle is off while the far left position provides 12VDC only when the key is on).

### 1) How To Test Your Fuel Pump

- Turn vehicle off
- Open hood and remove 20A fuel pump fuse M25. Verify that M25 is your fuel pump slot.
- Insert one end of our test/bypass device into the M25 slot of your fuse box as shown.
- Remove the 20A fuse M7. Verify that M7 is your power adapter (cigarette lighter).
- Insert the other end of our test/bypass device into the **FAR RIGHT** slots of the M7 fuse slot. The M7 fuse slots consist of three terminals (the far right terminals provide 12VDC power when the vehicle is off).
- If your fuel pump is working properly, you'll hear the gas tank mounted fuel pump operating if you're in a quiet environment.
- If you don't hear the fuel pump, you may have a bad fuel pump.



Connect one end of bypass device to M25 fuse slot and the other to right slots of M7



### 2) How To Bypass A Defective Fuel Pump Relay (And Stay On The Road!)

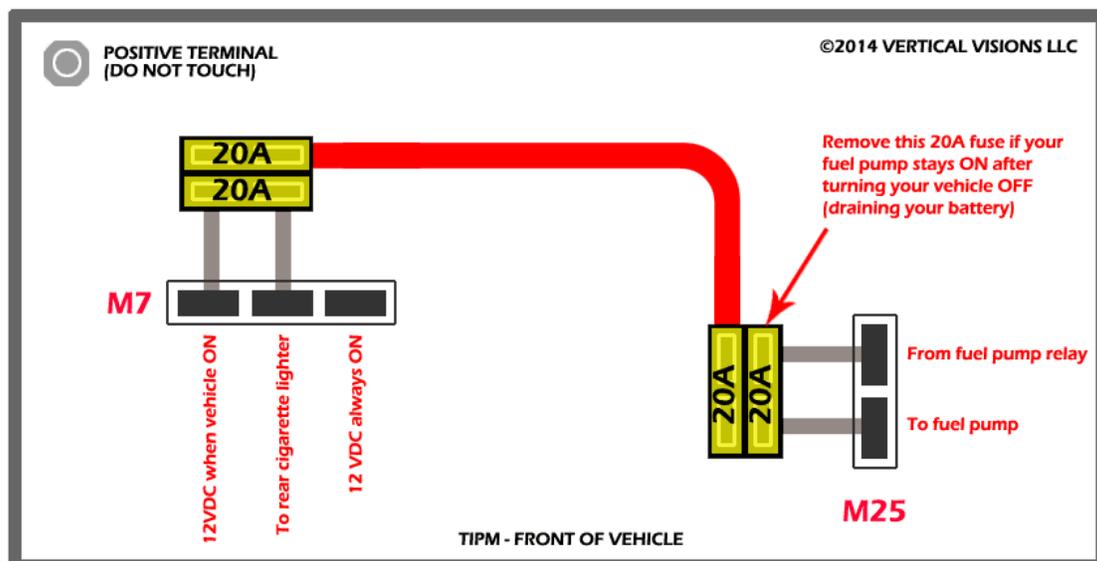
- Turn vehicle off
- Open hood and remove 20A fuel pump fuse M25. Verify that M25 is your fuel pump slot.
- Insert one end of our test/bypass device into the M25 slot of your fuse box.
- Remove the 20A fuse M7. Verify that M7 is your power adapter (cigarette lighter).

### Simple Test/Bypass Cable (No LED)

- Insert the other end of our test/bypass device into the **FAR LEFT** slots of the M7 fuse slot. The M7 fuse slots consists of three terminals (the far left terminals provide 12VDC power **ONLY** when the key is on). This connection provides alternate power directly to the fuel pump, thereby bypassing the defective fuel pump relay.
- Start vehicle.
- Alternate power from the rear cigarette lighter circuit is now powering your fuel pump.
- You should be able to start, drive, and turn off your vehicle as you normally do. Our test/bypass device is intended as a temporary solution until you can implement a permanent fix. Due to the large number of vehicle types with fuel pump relay problems, it is unknown if any auto shut down features are affected during a crash. Use this cable in bypass mode at your own risk. You can continue to plug low power devices (cell phone, iPad, etc.) into the cigarette lighter.
- If you experience problems starting your vehicle, try cycling the key from OFF to ACC to RUN and then put your foot on the brake and start the vehicle. Some TIPMs appear to conserve power by disabling the left slots of the M7 circuit during the starting process. Less than 1% have reported this issue while in bypass mode. Bypass mode powers your fuel pump in ACC and RUN modes. Use of remote start may not work with this cable.
- **If your fuel pump relay is stuck in the ON position, remove the lower 20A fuse on our "add a circuit" device that is plugged into fuse slot M25.** This will remove power supplied to the fuel pump from the faulty relay and allow alternate power to be supplied to it as described above. Then start vehicle.



Connect one end of bypass device to M25 fuse slot, then connect other end to left slots of M7



If you have any questions, do not hesitate to contact us. We greatly appreciate your business.