

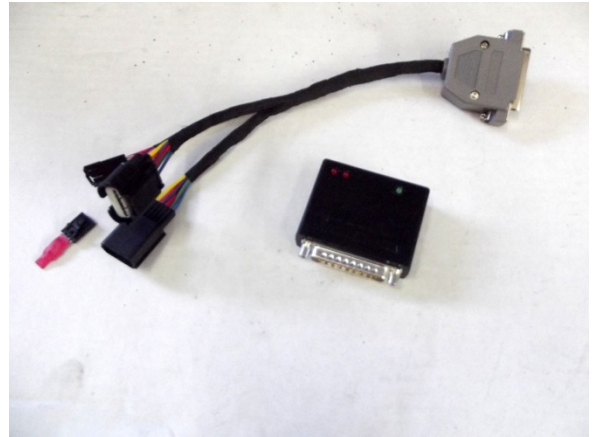


## Installation Instructions – JMS PedalMAX Kit P/N PX-5000-1114F Ford Drive-By-Wire Electronic Throttle Enhancement Device

### Included in the PedalMAX kit:

- (1) PedalMAX assembly
- (1) 4-pin de-sensitizing throttle plug
- (2) Cable ties
- (1) Small Screwdriver

Please read the complete installation instructions before attempting to install this product. PedalMAX will increase the torque and responsiveness of the OEM drive-by-wire throttle assembly. The PedalMAX unit is designed to be mounted inside the vehicle cabin, under the dash near the pedal position sensor. PedalMAX should not come into direct or prolonged contact with water or extreme engine heat (+250F).



**Connect the Assembly:** You will first need to attach the JMS PedalMAX device to the wiring harness by plugging it into the 25-pin connector and securing it with the two small screws. Use the supplied screwdriver.



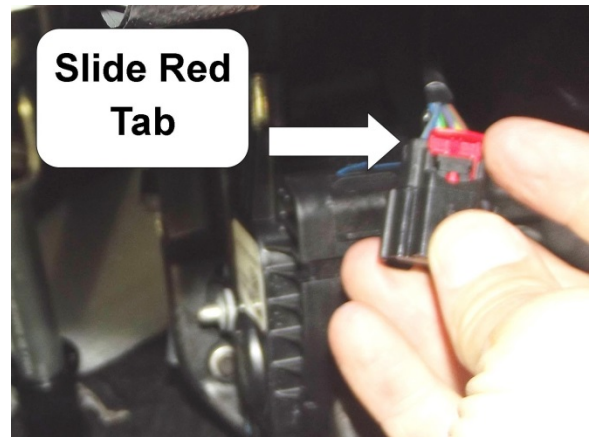
**Important:** Before installing this product, the vehicle should be parked with the engine off and ignition key removed from the console for 30 seconds.

**Step 1:** Locate the pedal position sensor assembly at the top of the accelerator pedal.

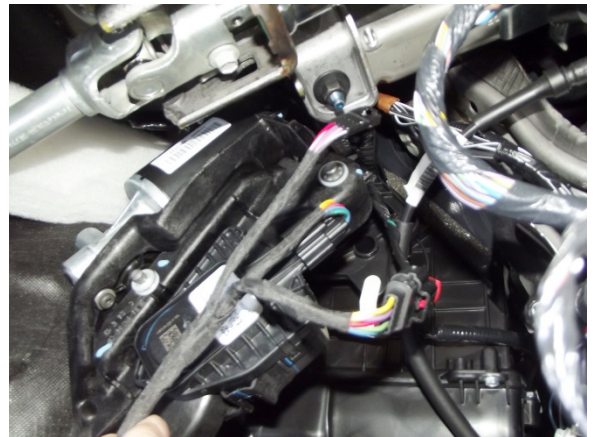


**Step 2:** Unplug the wiring harness from the pedal position sensor.

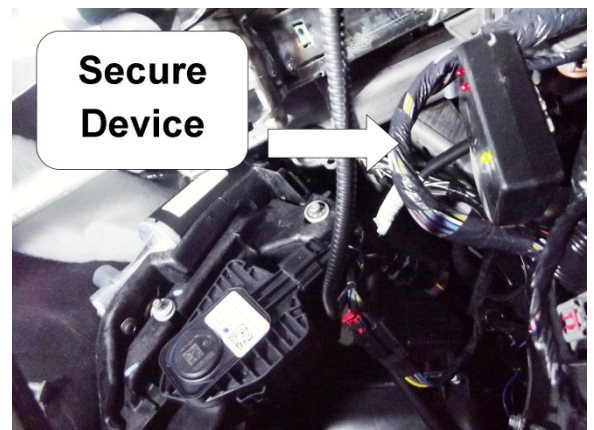
**Note:** To separate the connectors, you must slide the red locking tab on the harness connector and then press the black tab down.



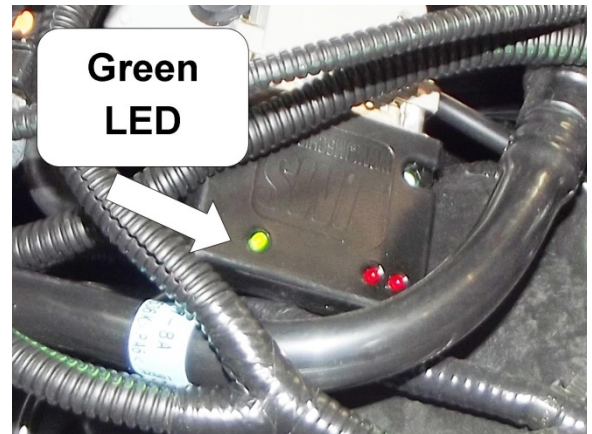
**Step 3:** Plug the PedalMAX device in-line between the pedal position sensor and OE wiring harness by connecting the male and female PedalMAX connectors to the OE (factory) connectors.



**Step 4:** Secure the PedalMAX unit using the (2) supplied cable ties. The device should not be hanging loosely or unsecured, and should not be mounted to any moving assemblies such as the steering column.

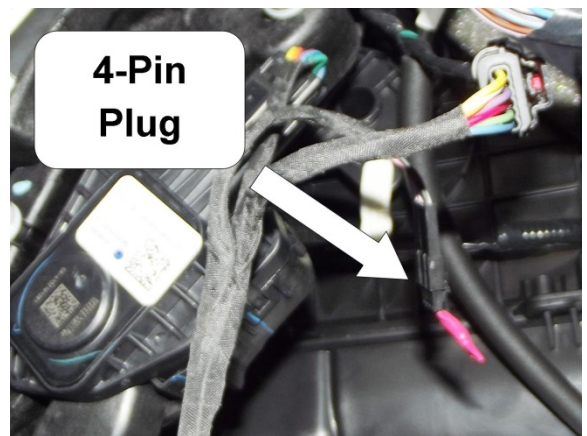


**Step 5:** Test the device – Once the device is installed and secured, insert the ignition key in the console and start the vehicle. Let the vehicle idle, and look at the device to make sure the green LED is illuminated, which alerts you that the device is active and functioning.



**Step 6:** Test drive the vehicle – Once you verify the device is active, drive the vehicle under normal conditions. You should notice a significant improvement in throttle responsiveness and acceleration.

**Note:** The PedalMAX device is pre-configured to provide the maximum increase in throttle response. If this amount of increase is too abrupt or aggressive for your driving style, you can connect the supplied 4-pin de-sensitizing plug into the 4-pin connector on the device. The de-sensitizing plug will decrease the amount of increased throttle response to about 60% of the maximum setting for a less-aggressive response.



**Optional Control Accessory:** The optional single pedal knob (P/N BX-6999-SINGLE) is designed to plug in to the 4-pin connector and over-ride the pre-configured throttle response settings. With this option, you have ultimate control over the sensitivity with a range of 0% increase to the 100% maximum increase, based on the position of the control knob.







### **Notes and Troubleshooting:**

- Check Engine Light - If you experience a check engine light and have no pedal response after starting the vehicle immediately following installation, and the green LED is illuminated, turn the key back to the off position, remove the ignition key and restart the vehicle after waiting 30 seconds. This should eliminate the check engine light and restore pedal sensor.
- Unit does not function – Check the connectors at the pedal position sensor and verify that the green LED is illuminated when the vehicle is powered on or running.

### **Using PedalMAX in-line with BoostMAX:**

PedalMAX and BoostMAX have been pre-engineered to work together for additional performance enhancement on Ford Ecoboost engines. In this scenario, PedalMAX will be installed in-line between the BoostMAX device and the pedal position sensor. The installation process is the same as noted above, except the PedalMAX harness will connect to the BoostMAX output connector and the pedal position sensor. Using PedalMAX in conjunction with BoostMAX will appear to add some low-end horsepower and torque, along with the increase in throttle responsiveness.

