Installation Instructions – ALL JMS PedalMAX Kit Part Numbers
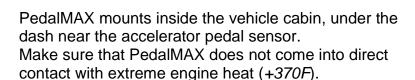## Drive-By-Wire Electronic Throttle Enhancement Device

Included in the PedalMAX kit:
(1) PedalMAX Control Box
(1) PedalMAX Wire Harness
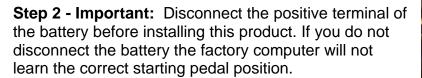(1) On-the-fly Control Knob
(4) Cable ties

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.

PedalMAX mounts inside the vehicle cabin, under the
dash near the accelerator pedal sensor.
Make sure that PedalMAX does not come into direct
contact with extreme engine heat (*+370F*).

Step 1 - Connect the Assembly:
Attach the black PedalMAX device to the wiring
harness; plug the device into the 26-pin connector
firmly, until latched.

Step 2 - Important: Disconnect the positive terminal of
the battery before installing this product. If you do not
disconnect the battery the factory computer will not
learn the correct starting pedal position.

Locate the pedal position sensor assembly. It is
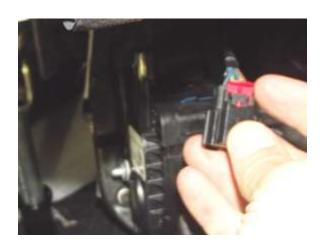located on the top of the accelerator pedal.

Step 3 - Unplug the wiring harness from the pedal position sensor.

Note: To separate most connectors from the sensor: slide back or release the locking tab on the harness connector, or press the tab down on the connector and unplug from the pedal.

Step 4 – Connect the in-line Harness
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 Original Factory connector and sensor.

Step 5 – Secure PedalMAX/Harness
Secure the PedalMAX unit using the supplied cable ties. The device should not be hanging loosely or unsecured. Do not attach or mount to any moving assemblies such as the steering column.

Optional 12-volt input feature (Not Required-Part 1):
PedalMAX and all BoostMAX main harnesses now include an optional 12-volt input wire.
Connecting this wire to +12v enables the LED's.

The LED's are used for product diagnostic purposes. To use the LED feature, simply plug the weather-pack connector on the main harness, into the 12-volt input harness connector and connect the ring terminal directly to the battery.

Optional 12-volt input feature (Not Required-Part 2):
Connect the ring terminal on the 12-volt input harness directly to the positive side battery cable and fasten the cable terminal nut securely. You can also attach the 12-volt ring terminal to another 12-volt source such as the main power supply going into the fuse box.

Step 6 - Test the device – Once the device is installed and secured, insert the ignition key, and start the vehicle. If you're using the optional 12-volt input, look at the device to make sure the green LED is illuminated, which alerts you that the device is active and functioning. If the device is not connected to 12-volt, there will be no LED illuminated (however the device will still function).

Step 7 - Test drive the vehicle – Drive the vehicle under normal conditions.
You should notice a significant improvement in throttle responsiveness and acceleration.

On-the-fly Control Knob: The control knob is designed to plug into the 4-pin connector on the main wire harness. This knob provides the ultimate control over pedal sensitivity with a range of 0% (stock pedal) to 100% (maximum increase). The control knob is fully adjustable "On-The-Fly". You can also set the control knob to the desired setting, and unplug the knob while the vehicle is running, which will save the desired setting.

Notes and Troubleshooting:

- *Check Engine Light after install* - If you experience a check engine light and have no pedal response after starting the vehicle immediately following installation:
    - *If you have a KEY* - turn the key back to the off position, remove the ignition key, wait 60 seconds for the ECU to reset and then restart the vehicle. When you restart the vehicle, the check engine light will be gone and pedal response will be restored.
    - *If you have a key FOB*: make sure that the vehicle is off and that the dash lights are off for at least 60 seconds. When you restart the vehicle, the check engine light will be gone and pedal response will be restored.
- LED Diagnostic Lights:
    - *Green LED light* = Solid LED, device is powered ON and working
    - *Blue LED light:*
        - Solid Blue LED = Knob is plugged in and set to 0-25%
        - Flashing slow Blue LED = Knob is plugged in and set to 25-60%
        - Flashing fast Blue LED = Knob is plugged in and set to 60-100%
    - *Green, Yellow & Blue LED's Flashing* = Pedal is not connected or has an error.

Stacking PedalMAX in-line with BoostMAX:

PedalMAX and BoostMAX have been pre-engineered to work together on all Ford Ecoboost vehicles.

- Combining the two products together provides an additional performance enhancement.
- When stacking the two products, PedalMAX will be connected to the PEDAL and in-line between the BoostMAX pedal connector and the factory harness.
- PedalMAX female connector connects to the Pedal; the male PedalMAX connector connects to the female BoostMAX connector and the male BoostMAX connector connects to the factory harness.
- Using PedalMAX in conjunction with BoostMAX adds low-end horsepower and torque, along with an increase in throttle responsiveness.

PedalMAX Terrain Addendum – Bi-Polar Control Knob

Congratulations on your purchase of our new version of PedalMAX featuring the Terrain software and bi-polar control knob.

This product works just like our popular PedalMAX product, but is specifically designed to provide the ultimate in throttle control for every type of off-road and all-terrain driving condition.

The concept is very simple and gives you ultimate control over throttle sensitivity! The detent for the knob is in the center position, which is the stock or factory throttle setting. Turn the knob to the right "+" and experience increased throttle response, faster acceleration and improved low-mid range power. Thurn the knob to the left (-) and de-tune the throttle sensitivity for reduced wheel-spin while climbing rocks and obstacles or navigating very tight conditions.

Just plug the control knob into the four-pin connector on the PedalMAX main wiring harness and mount the knob in a safe location where it's easily accessible by the driver for quick on-the-fly adjustment.

Supported - GM Vehicles

PX1015GM Supports the Following GM Vehicles:
- 2008-2020 Buick Enclave
- 2011-2016 Cadillac CTS
- 2006-2011 Cadillac DTS
- 2005-2012 Cadillac STS
- 2004-2009 Cadillac XLR
- 2010-2015 Chevrolet Camaro
- 2014-2017 Chevrolet Caprice PPV

- 2006-2013 Chevrolet Corvette
- 2006-2013 Chevrolet Impala
- 2014-2016 Chevrolet Impala - Limited
- 2008-2020 Chevrolet Equinox
- 2009-2020 Chevrolet Traverse
- 2008-2020 GMC Acadia
- 2010-2020 GMC Terrain

PX1015GMT Supports the Following GM Vehicles (trucks):
- 2011-2019 Cadillac Escalade
- 2008-2019 Cadillac Escalade EXT
- 2008-2019 Cadillac Escalade ESV
- 2008-2013 Chevrolet Avalanche
- 2012-2013 Chevrolet Captiva Sport
- 2008-2018 Chevrolet Silverado 1500
- 2008-2019 Chevrolet Silverado 2500
- 2008-2019 Chevrolet Silverado 3500
- 2008-2019 Chevrolet Suburban

- 2008-2019 Chevrolet Tahoe
- 2008-2009 Chevrolet Trailblazer
- 2008-2019 GMC Sierra 1500
- 2008-2019 GMC Sierra 2500
- 2008-2019 GMC Sierra 3500
- 2008-2019 GMC Sierra Denali
- 2008-2019 GMC Yukon
- 2008-2019 GMC Yukon Denali

PX1015GMV2 Supports the Following GM Vehicles:
- 2011-2013 Chevrolet Caprice PPV
- 2008-2020 Chevrolet Colorado
- 2008-2020 Chevrolet Cruze
- 2014-2020 Chevrolet Impala
- 2012-2016 Malibu
- 2008-2020 Chevrolet Express 1500, 2500, 3500, 4500

- 2006-2011 Chevrolet HHR
- 2006-2010 Hummer H3
- 2013-2017 Cadillac XTS
- 2008-2016 Cadillac SRX
- 2008-2020 GMC Canyon
- 2008-2020 GMC Savana 1500, 2500, 3500, 4500

PX1415GM Supports the Following GM Vehicles:
- 2013-2020 Cadillac ATS
- 2016-2020 Cadillac CTS
- 2016-2020 Cadillac CT6
- 2017-2020 Cadillac CTS
- 2014-2020 Chevrolet Corvette C7

- 2014-2018 Chevy SS sedan
- 2016-2020 Chevrolet Camaro
- 2016-2020 Chevrolet Malibu
- 2014-2020 Chevrolet Caprice

PX1920GMT Supports the Following GM Vehicles:
- 2019-2020 Chevrolet Silverado (Gas)
- 2019-2020 CMC Sierra (Gas)

PX1920GMV3 Supports the Following GM Vehicles:
- 2019-2020 Chevrolet Volt
- 2019-2020 Chevrolet Equinox
- 2019-2020 Chevrolet Blazer

Supported - FORD Vehicles

PX1114F Supports the Following FORD Vehicles:

- 2011-2020 Ford F-150
- 2011-2020 Ford F-250
- 2011-2020 Ford F-350
- 2011-2020 Ford F-450
- 2011-2020 Ford F-550
- 2011-2020 Ford Mustang
- 2011-2020 Ford Focus
- 2011-2020 Ford Fusion
- 2011-2020 Ford Taurus
- 2011-2020 Ford Edge
- 2011-2020 Ford Escape
- 2012-2020 Ford Flex
- 2011-2020 Ford Explorer
- 2011-2020 Ford Expedition
- 2012-2020 Ford C-Max
- 2012-2020 Ford B-Max
- 2010-2020 Ford S-Max
- 2011-2020 Ford Transit Connect
- 2011-2020 Ford Transit 150
- 2011-2020 Ford Transit 250
- 2011-2020 Ford Transit 350
- 2011-2020 Ford Transit 350 HD
- 2014-2020 Police Interceptor Utility
- 2013-2020 Police Interceptor Sedan
- 2011-2020 Ford Ranger T6 (Export)
- 2016-2020 Lincoln MKC
- 2011-2020 Lincoln MKX
- 2013-2020 Lincoln MKZ
- 2011-2020 Lincoln MKS
- 2011-2020 Lincoln MKT
- 2011-2020 Lincoln Navigator
- 2016-2020 Jaguar F-Type
- 2016-2020 Jaguar F Pace
- 2016-2020 Jaguar XE
- 2016-2020 Jaguar XK
- 2016-2020 Jaguar XF
- 2016-2020 Jaguar XJ
- 2016-2020 Range Rover
- 2016-2020 Land Rover

PX0510F Supports the Following Ford Vehicles:

- 2008-2011 Ford Crown Victoria
- 2005-2010 Ford Mustang
- 2008-2010 Ford Taurus
- 2007-2010 Ford Edge
- 2005-2008 Ford Expedition
- 2005-2010 Ford Explorer
- 2007-2010 Ford Explorer Sport Trac
- 2008 Ford F-150
- 2006-2010 Ford F-250
- 2006-2010 Ford F-350
- 2006-2010 Ford F-450
- 2006-2010 Ford F-550
- 2009-2010 Lincoln MKS
- 2009-2010 Lincoln MKZ
- 2007-2010 Lincoln MKX
- 2008-2011 Lincoln Town Car
- 2006-2008 Lincoln Mark LT
- 2005-2008 Lincoln Navigator

PX0510FV2 Supports the Following Ford Vehicles:

- 2006-2010 Ford Fusion
- All other 2004-2010 Ford car or truck with 10-pin Pedal connector

PX0510FV3 Supports the Following Ford Vehicles:

- 2003 Ford F-250
- 2003 Ford F-350
- 2003 Ford F-450
- 2003 Ford F-550
- 2003-2005 Ford Excursion

PX1415ST Supports the Following Vehicles:

- 2013-2020 Ford Fiesta and Fiesta ST

Chrysler - Dodge - Ram – Fiat – Jeep Vehicles

PX1114DCX Supports the Following Vehicles:
- 2008-2019 Dodge Challenger
- 2006-2019 Dodge Charger
- 2007-2011 Dodge Dakota
- 2006-2013 Dodge Durango
- 2007-2011 Dodge Nitro
- 2007-2019 Dodge Ram 1500 (Classic)
- 2007-2019 Dodge Ram 2500
- 2007-2019 Dodge Ram 3500

- 2008-2019 Dodge Ram 4500
- 2008-2019 Dodge Ram 5500
- 2005-2020 Chrysler 300
- 2011-2020 Jeep Compass
- 2007-2020 Jeep Grand Cherokee
- 2007-2020 Jeep Patriot
- 2007-2018 Jeep Wrangler JK

PX1114DCX2 Supports the Following Vehicles:
- 2011-2016 Chrysler 200
- 2007-2010 Chrysler Sebring
- 2008-2014 Dodge Avenger
- 2007-2012 Dodge Caliber

- 2009-2015 Dodge Journey
- 2007-2020 Jeep Compass
- 2007-2020 Jeep Patriot

PX1114DCX3 Supports the Following Vehicles:
- 2012-2020 Fiat 500
- 2015-2016 Chrysler 200

- 2014-2015 Dodge Dart
- 2015-2020 Jeep Cherokee

PX1920DCX4 Supports the Following Vehicles:
- 2019-2020 Dodge Ram Truck (Gas)
- 2018-2020 Jeep Wrangler JL and JT

Toyota – Lexus – Infinity Vehicles

PX1116TYV1 Supports the Following Vehicles:
- 2003-2009 Toyota 4 Runner
- 2007-2014 Toyota FJ Cruiser
- 2005-2020 Toyota Tacoma

PX1116TYV2 Supports the Following Vehicles:
- 2007-2016 Toyota Camry
- 2008-2013 Toyota Corolla
- 2008-2020 Toyota Highlander
- 2009-2014 Toyota Matrix
- 2010-2014 Toyota Sienna
- 2009-2014 Toyota Venza
- 2008-2015 Toyota Land Cruiser
- 2008-2015 Toyota Sequoia
- 2007-2020 Toyota Tundra
- 2012-2014 Toyota Yaris
- 2013-2015 Toyota Avalon
- 2010-2020 Toyota 4 Runner

- 2009-2020 Toyota Rav 4
- 2012-2016 Toyota FRS
- 2017-2020 Toyota 86
- 2012-2016 Subaru BRZ
- 2010-2020 Lexus GX460
- 2008-2020 Lexus LX570
- 2013-2020 Lexus ES300H
- 2007-2020 Lexus ES350
- 2010-2020 Lexus RX350
- 2010-2020 Lexus RX450H
- 2015-2016 Infinity QX60
- 2012-2020 Subaru BRZ

PX1116TYV3 Supports the Following Vehicles:
- 2017-2020 Toyota Camry
- 2014-2020 Toyota Corolla
- 2018-2020 Lexus RC F

JMS

Subaru Vehicles

PX1518SBV1 Supports the Following Vehicles:

- 2015-2020 Subaru WRX

Jaguar – Range Rover – Land Rover Vehicles

PX1114JGV1 Supports the Following Vehicles:

- 2014-2015 Jaguar F-Type
- 2016-2015 Jaguar F Pace
- 2016-2015 Jaguar XE
- 2010-2015 Jaguar XK

- 2011-2015 Jaguar XF
- 2011-2015 Jaguar XJ
- 2011-2015 Range Rover
- 2011-2015 Land Rover

Polaris Vehicles

PX1418PO1 and RC1418PO1 Supports the Following Vehicles:

- 2014-2020 Polaris General
- 2014-2020 Polaris Ranger
- 2014-2020 Polaris RZR
- 2017-2020 Polaris Slingshot

PX1418PO2 Supports the Following Vehicles:

- 2015-2016 Polaris Slingshot

Can-AM Vehicles

PX1418CA1 and RC1418CA1Supports the Following Vehicles:

- 2014-2020 Can Am Commander
- 2014-2020 Can Am Maverick

Textron/Arctic Cat Vehicles

PX1719TX1 and RC1719TX1 Supports the Following Vehicles:

- 2017-2020 Arctic Cat Wildcat
- 2017-2020 Arctic Cat Havoc
- 2017-2020 Arctic Cat Stampede
- 2017-2020 Arctic Cat Prowler

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