

# JMS

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## LaunchMAX

### SPLICE-IN INSTALLATION GUIDE

## WHAT'S IN THE BOX



- 1: LaunchMAX DIY Splice-In
- 2: Momentary Push Button Switch
- 3: Main Harness
- 4: 6x Wire Ties



#### TOOLS NEEDED:

Dykes / Diagonal Cutters • Wire Strippers • Tape Butt Splices • Crimp Tool / Soldering Iron

## STEP 1

### Locate vehicle ECU, Disconnect Battery

- Ignition key off, remove key from ignition.
- Open the vehicle's hood. Disconnect the Battery.
- Locate the vehicle ECU (under the hood, near the front passenger side of the vehicle).
- Disconnect the TOP ECU Connector.
- Unwrap six inches of black tape that protects the wires entering the TOP ECU Connector.



DIY Installation is simple: cut two factory wires, connect each side of the factory wires to LaunchMAX, connect +12v to Power and the ground. Finally, connect the momentary push-button switch. Momentary push-button activates the trans-brake.

Move the grey lever to release the connector from the ECU.

'11-'14 Mustang connector has 50 pins / '15 Mustang connector has 95 pins

Can be activated via two different methods (ground activation or +12v)

- Wire using ground activation if your two-step, nitrous or boost controller requires a ground to activate.
- Wire using +12v activation if your two-step, nitrous or boost controller requires +12v to activate.

## STEP 2

### Locate & Cut two ECU wires

- Locate the two Transmission Wires to CUT. Unwrap the tape 6 inches back from the connector. Verify and Cut each wire 3 inches from connector.
- 2015+ Mustang 6R80 Auto 5.0L & 3.7L (95 Pin Top Connector) \*2.3L is different see step 3. Locate and cut two wires 3" from the top connector
  - Wire 1 PC3 - Grey with Orange Tracer -> Pin 73
  - Wire 2 PC2 - Green with Brown Tracer -> Pin 74
- 2011 - 2014 Mustang 6R80 (50 Pin Top Connector) Locate and cut two wires 3" from the top connector
  - Wire 1 PC3 - Grey with Orange Tracer -> Pin 45
  - Wire 2 PC2 - Green with Brown Tracer -> Pin 44

## STEP 3

### Solder ECU wires to LaunchMAX harness

#### '15 - '17 Mustang - V8 5.0L • '15 - '16 F150 - V8 5.0L

White/Yellow -> solder to the wire from the ECU (Pin 73 PC3 - '15-'17 Mustang wire color Grey w/Orange Tracer [same for Eco & 5.0 mustang])

Yellow -> solder to the main harness going to the TCM (wire color - Grey /Orange Tracer)

Brown/Green -> solder to the wire from the ECU (Pin 74 PC2 - '15-'17 Mustang GT wire color Green w/Brown Tracer [NOTE this might be Pin 45 on the 15-17 EcoBoost Mustang - two drawings list pin 45 one lists 74])

Green -> solder to the main harness going to the TCM (wire color - Green w/Brown Tracer)

#### '15 - '17 Mustang - 2.3L EcoBoost

White/Yellow-> solder to the wire from the ECU (Pin 73 PC3 - '15-'17 Mustang wire color Grey with Orange Tracer [same for Eco & 5.0 mustang])

Yellow -> solder to the main harness going to the TCM (wire color - Grey w/Orange Tracer)

Brown/Green -> solder to the wire from the ECU (Pin 45 PC2 - '15-'17 Mustang 2.3L wire color Green)

Green -> solder to the main harness going to the TCM (wire color - Green)

#### '11 - '14 Mustang - 5.0L & 3.7L & F150 - V8 5.0L

White/Yellow-> solder to the wire from the ECU (Pin 45 PC3 - '11-'14 Mustang wire color Grey w/Orange Tracer)

Yellow -> solder to the main harness going to the TCM (wire color - Grey w/Orange Tracer)

Brown/Green -> solder to the wire from the ECU (Pin 44 PC2 - '11-'14 Mustang 2.3L wire color Green w/ Brown Tracer)

Green -> solder to the main harness going to the TCM (wire color - Green w/Brown Tracer)

#### '11 - '17 F150 - 3.5L EcoBoost

White/Yellow -> solder to the wire from the ECU (Pin 75 PC3 - '11-'14 Mustang wire color Grey w/Orange Tracer)

Yellow -> solder to the main harness going to the TCM (wire color - Grey w/Orange Tracer)

Brown/Green -> solder to the wire from the ECU (Pin 45 PC2 - '11-'14 Mustang 2.3L wire color Green w/Brown Tracer)

Green -> solder to the main harness going to the TCM (wire color - Green w/Brown Tracer)

#### OPTIONAL -----

Blue & Blue/White -> are NOT used unless the customer wants to max line pressure.

To enable Max line pressure, three things must be done:

1. Cut the wire an inch away from the 26 pin connector in the JMS harness -> reference **Option B** at the end.
2. Blue -> solder to the wire from the ECU
3. Blue/White -> solder to the main harness going to the TCM

#### '15-'17 Mustang GT / EcoBoost

Blue -> solder to the wire from the ECU (Pin 15 PC5 Yellow w/ Violet Tracer)

Blue/White -> solder to the main harness going to the TCM (wire color - Yellow w/Violet Tracer)

#### '11-'14 Mustang

Blue -> solder to the wire from the ECU (Pin 34 PC5 Yellow w/ Violet Tracer)

Blue/White -> solder to the main harness going to the TCM (wire color - Yellow w/Violet Tracer)

#### '11-'16 F150

Blue -> solder to the wire from the ECU (Pin 59 PC5 Yellow w/ Violet Tracer)

Blue/White -> solder to the main harness going to the TCM (wire color - Yellow w/Violet Tracer)

## STEP 4

### Connect Harness to Button

Connect the two pin from the main harness to the momentary push button switch.



Please be sure to tie strap the wiring away from any moving parts.

### Mount the Push Button Switch

Mount the momentary push button switch on either the steering wheel, emergency brake or the shifter.



## STEP 5

### Connect Red/Black Wires direct to the battery and Reconnect Battery

- Connect the Red wire to +12V and the Black wire to Ground (*no power draw occurs*).
- Tie strap everything in place, verify the components and wiring are clear of moving objects and heat.
- Reconnect the Battery.



## STEP 6

### Test - Installation is complete

- Do NOT ENABLE LaunchMAX when the vehicle is moving. Catastrophic Transmission Damage may occur if the LaunchMAX is enabled when the vehicle is moving.
- Turn the KEY-ON and verify that the GREEN LED is ON.
- When the momentary switch is pressed (closed) the RED LED on LaunchMAX will turn ON.
- If the RED LED is on the TRANS-BRAKE is enabled.

## OPTION A

### Connect LaunchMAX to a Relay to activate MSD 2-Step via ground activation

Connect the Black and White wire to the GROUND activation wire on the MSD 2-Step.

The Black and White wire is located near the two pin connector on the wiring harness. When the momentary push button is pressed - a ground is supplied via this wire to the MSD 2-Step.



From the MSD Manual - connect the Black/White wire to the BLUE wire on the MSD 2 step

WIRING	
8- WIRE CONNECTOR	
TAN (8)	SIGNAL CONNECTIONS
8- WIRE CONNECTOR	
RED	12V connection through this red wire
3- WIRE CONNECTOR	
BLACK	Connects to a good engine ground or the negative battery terminal
BLUE	Activation wire. When grounded, the launch feature will be active.
WHITE / BLUE	Activation wire. When switched to 12V, the launch feature will be active.

## OPTION B

### MAX Line Pressure

Locate the wire going into PIN 20 on the 26 pin harness.

Cut this wire an inch away from the 26 pin connector.

Wire color could be PINK or Blue/White.

On early units both wires going into pin 20 and 22 are Blue/White.

**PLEASE VERIFY that you have the correct wire using the picture to the right.**

- Early units the color of this wire going to pin 20 is Blue/White.
- Later units the color of the wire going into pin 20 will be PINK.

Cutting this wire will MAX the transmission line pressure while LaunchMAX is activated.



MAX Line Pressure might require custom transmission tuning to function correctly.

CAUTION: Use MAX Line Pressure at your own risk.

## WIRING REFERENCE

- Pin 26-2 - Red/Black 12V
- Pin 26-3 - Black - Ground
- Pin 26-4 - Green - Output 2
- Pin 26-5 - White/Yellow - Input 1 from ECU PC3 (13)
- Pin 26-6 - Yellow - Output 1
- Pin 26-10 - Yellow - Output 1
- Pin 26-11 - Brown/Green - Input 2 from ECU PC2 (14)
- Pin 26-12 - Green - Output 2
- Pin 26-15 - Red/Black 12v
- Pin 26-16 - Black/White - Activate LaunchMAX via Ground
- Pin 26-20 - PINK (Blue/White) - CUT THIS WIRE NEAR 26pin TO ENABLE MAX LINE PRESSURE
- Pin 26-21 - Blue - Output 3
- Pin 26-22 - Blue/White - Input 3 (16)
- Two Pin Power A = +12V Red/Black

- Two Pin Power B = Ground Black
- Two Pin Push Button Connector With Blue Tab (A) = Ground Black
- Two Pin Push Button Connector With Blue Tab (B) = Ground Activation Black/White

**NOTE: Unterminated Black/White wire near Two Pin Push Button = MSD 2-step Ground Activation**



Please read and understand the complete installation instructions before attempting to install product.

If not installed properly, LaunchMAX will not function and may be damaged. Improper installation will void the product warranty. LaunchMAX is for Off-Road Racing Use ONLY!

The LaunchMAX module has been designed to be mounted with plastic zip ties. LaunchMAX connects in-between the factory wiring harness and transmission. It activates via the included momentary push-button switch. LaunchMAX is water-proof, it should be installed away from heat sources and moving parts.

## Warranty & Contact Information

### JMS warrants to the original purchaser the following:

Your product will be free from defects in materials and workmanship for a period of twelve (12) months from the original purchase date. The warranty only covers the product itself and not the cost of removal and re-installation of the product. JMS may extend the limited warranty on a case by case basis, based on the circumstances of the warranty claim. Our products are designed exclusively for use in racing applications. JMS products that are not installed according to the supplied instructions, may not be covered by warranty.

### Specific conditions that will VOID the product warranty:

- If the product case has been opened or the product has been modified or repaired.
- If the product was not installed or used correctly.
- If the product has been tampered with by: negligence, misuse or accident.
- If the product is returned without explanation of the problem or Return Authorization.

### Contact us at 601-766-9424 for a Return Authorization Number:

All warranty returns should be returned freight pre-paid and should include inside of the box: Proof of Purchase and a Letter that contains both the Return Authorization Number and a Clear Explanation of the EXACT problem. The Return Authorization Number should also be clearly written on the outside of the box.

### Send all returns to:

#### JMS Returns

240 Springview Commerce Drive, Bld 1, Ste J  
DeBary, FL 32713

JMS Chip & Performance LLC is not liable for any and all consequential damages arising from the breach of any implied or written warranty in regards to the sale of this product, in excess of the purchase price.

### Technical Support & Contact Information:

JMS Performance Group  
240 Springview Commerce Drive, Bld 1, Ste J  
DeBary, FL 32713  
601-766-9424

### Technical Support Hours:

Monday - Friday 10:00am - 4:00pm (Eastern Standard Time)

Installation videos are available online: [www.youtube.com/jmschip](http://www.youtube.com/jmschip)

If you have any questions, please contact JMS technical support via email: [tech@jmschip.com](mailto:tech@jmschip.com)

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