

Thank you for your purchase.

Please read and understand the complete installation instructions before attempting to install this simple wire-in 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!

This version of LaunchMAX is a "PLUG and PLAY" product. The black LaunchMAX module has been designed to be mounted with plastic zip ties behind the dash inside the vehicle cabin.

LaunchMAX connects in-between the factory harness and transmission. Includes a push-button switch.



Reasons to choose LaunchMAX!

	2011-14 Mustang 6r80	2015+ Mustang 6r80	Can be wired into any 6r80	Digital Technology	No Parts to Fail (Digital)	Heavy-Duty Sealed Unit	Universal Wire-In Harness
JMS Digital Technology	X	X	X	X	X	X	X
No Parts To Fail (Digital Product)	X	X	X	X	X	X	X
Heavy-Duty Sealed Unit	X	X	X	X	X	X	X
Universal 7 Foot Long Wire-In Harness	X	X	X	X	X	X	X
Can be wired into any 6r80 Trans	X	X	X	X	X	X	X
Reliable Digital Trans-Brake Module	X	X	X	X	X	X	X
Fastest Trans-Brake Release Time	X	X	X	X	X	X	X

The concept behind LaunchMAX:

We designed the most reliable and robust Trans-Brake product and then wrapped it in a waterproof, vibration resistant case. LaunchMAX is the worlds first **digital** trans-brake product available for the 6r80 Ford Transmission.

Installation is simple: connect the plug and play harness in-between the factory harness and transmission. Route the wiring into the vehicle. Connect the black LaunchMAX box and push button. The push-button activates the trans-brake

Note: To avoid catastrophic transmission damage: only press the button when the vehicle is in first gear.

- Reliable Digital Trans-Brake Unit, Waterproof with the Fastest Release Time
- ALL Digital Product -> NO Moving Internal Parts to fail, NO Relays to Fail
- Designed to work with **ALL** 6r80 Ford Transmissions (these instructions are specific to 2011- 2017 Mustang).
- This kit is not designed to raise the line pressure in the transmission.
- If your looking for improved transmission performance: contact us for a custom ecu calibration.
- This kit **includes** a push-button activation momentary switch (normally open).
- Please visit forum.jmschip.com for additional information.
- If using a MSD Two-Step: Wire the activation using an automotive relay. Please see the bottom of page 6.

STEP 1 - DISCONNECT BATTERY, LOCATE CONNECTOR

- A • Ignition key off, remove key from ignition.
- B • Open the vehicle's hood. Disconnect the Battery.
- C • Locate the round Transmission Connector (at the back of the transmission, passenger side of the vehicle).
- D • Rotate the lever Counter Clockwise to unlock and release the connector.



Step 1 - D

STEP 2 - ROUTE CABLE AND CONNECT TO HARNESS

- E • Route the grey nine pin connector up the passenger side of the transmission, across and to the drivers side of the engine compartment.
- F • Connect the plug and play harness to the factory wire harness. (Male pin side with JMS logo)

Note: To align the connectors. Verify that the twist lock collar is at the full **COUNTER-CLOCKWISE** position. Find the flat alignment pin inside of each connector. Push the two connectors together and twist the lock collar **CLOCKWISE** to lock. You will feel it a slight pop when the locking tab is moved into place.

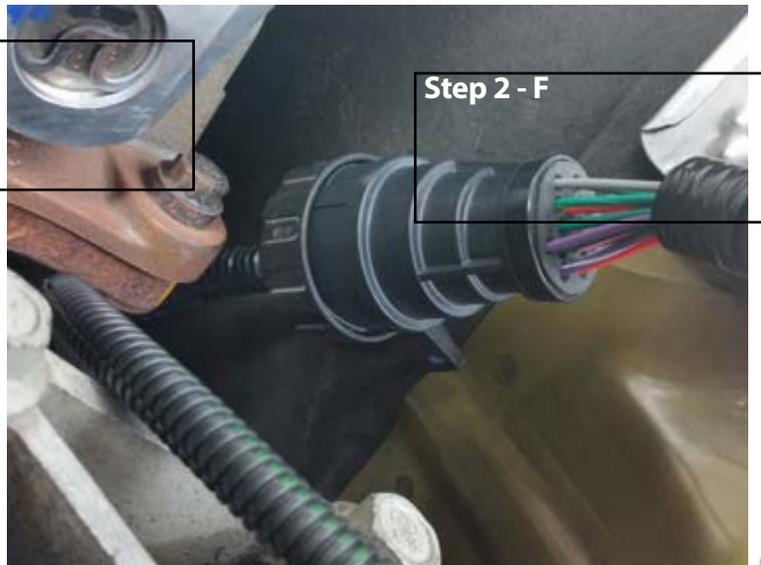


Step 2 - E

Route the grey nine pin connector up into the engine compartment



Step 2 - E



Step 2 - F

STEP 3 - CONNECT HARNESS TO TRANSMISSION

G • Connect the Round Female Plug and Play connector to the transmission.

Please be sure to tie-strap the wiring away from moving parts and the exhaust

Note: To align the connectors. Verify that the twist lock collar is at the full **COUNTER-CLOCKWISE** position. Find the flat alignment pin inside of each connector. Push the two connectors together and twist the lock collar **CLOCKWISE** to lock. You will feel it a slight pop when the locking tab is moved into place.



STEP 4 - ROUTE NINE PIN CABLE THROUGH FIREWALL

H • Route the grey nine pin connector from the engine compartment through the firewall into the passenger compartment. Route the cable through the grommet/hole that is normally used for the clutch cable on a manual transmission vehicle.

Notes:

1 - Be sure to pull the nine pin connector and two pin connector through the firewall.

2 - Use zip ties to secure the cable away from heat sources and moving parts.



STEP 5 - CONNECT LAUNCHMAX

I • Use the included screwdriver to secure LaunchMAX to the nine-pin connector.

J - Use tie straps to secure LaunchMAX behind the dashboard.

Notes:

1 - Under the dashboard, use zip ties to secure the cables away from moving parts.



STEP 6 - CONNECT HARNESS TO BUTTON

K • 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.



Step 6 - K

STEP 7 -

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

Note:

1 - You can disconnect the two position connector and remove the button when not in use.

2 - Use zip ties to secure the cable away from heat sources and moving parts.



Step 7 - L
Mount switch
on the steering wheel



Step 7 - L
Or mount switch
on the emergency brake



Step 7 - L
Or mount switch
on shifter

STEP 8 - (OPTIONAL) CONNECT LAUNCHMAX TO A RELAY TO ACTIVATE MSD 2-STEP OR OTHER ACCESSORY

- Please see the instructions at the bottom of page six for more details.
- The type of relay used is a Bosch Automotive Style Relay with the following pin numbering:
85, 86, 87 & 30

STEP 9 - RECONNECT BATTERY

- Tie strap everything in place.
- Reconnect the Battery

STEP 10 - TEST LAUNCHMAX

- Do NOT ENABLE LaunchMAX when the vehicle is moving.
Catastrophic Transmission Damage may occur if the LaunchMAX is enabled when the vehicle is moving.
Only ENABLE LaunchMAX in First gear.
- Turn the KEY-ON and verify that the GREEN LaunchMAX LED is illuminated 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.

LAUNCHMAX INSTALLATION IS COMPLETE.....ENJOY.

DB9 WIRING REFERENCE - PLUG AND PLAY LAUNCHMAX (PRE-WIRED FOR +12 ACTIVATION WIRING)

DB9 Pin 1 -> input 1 -> From ECU PC3

DB9 Pin 2 -> input 2 -> From ECU PC2

DB9 Pin 3 -> output 2 -> To Transmission

DB9 Pin 4 -> output 1 -> To Transmission

DB9 Pin 5 -> connects to +12v Key ON Power

DB9 Pin 6 -> connects to GROUND

DB9 Pin 7 -> connects to Ground

DB9 Pin 8 -> connect to ONE side of a momentary switch, connect the other side to +12v Key on Power

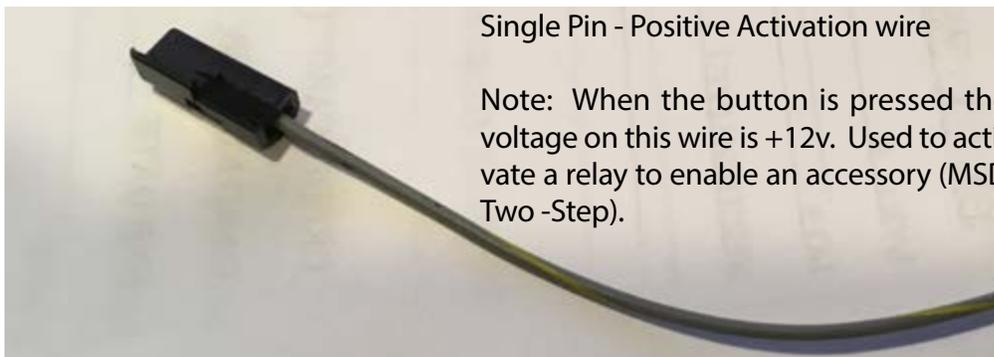
MSD TWO-STEP WIRING REFERENCE USING BOSCH STYLE AUTOMOTIVE RELAY - PLUG AND PLAY LAUNCHMAX

Positive activation of LaunchMAX (default) & **positive** activation of Accessory (Two Step, etc):

- 1 - Connect Relay pin 85 to the **Single pin - Grey/Yellow Wire** from the JMS LaunchMAX harness.
- 2 - Connect Relay pin 86 to ground
- 3 - Connect Relay pin 87 to the positive trigger connection for the accessory
- 4 - Connect Relay pin 30 to key on +12V power.

Positive activation of LaunchMAX (default) & **GROUND** activation of Accessory (Two Step, etc):

- 1 - Connect Relay pin 85 to the **Single pin - Grey/Yellow Wire** from the JMS LaunchMAX harness.
- 2 - Connect Relay pin 86 to ground
- 3 - Connect Relay pin 87 to the ground trigger connection for the accessory
- 4 - Connect Relay pin 30 to vehicle ground



Single Pin - Positive Activation wire

Note: When the button is pressed the voltage on this wire is +12v. Used to activate a relay to enable an accessory (MSD Two -Step).

ABOUT JMS CHIP & PERFORMANCE

For more than 20 years, JMS Chip & Performance has been an industry leader in late model domestic and import vehicle tuning. JMS brand electronics components are some of the most technologically advanced in the automotive industry and feature

innovative high quality engineering, materials and workmanship. The JMS technical center in Lucedale, MS is one of North America's premier automotive and motorcycle tuning, manufacturing, and turn key automobile development facilities, producing numerous custom high performance vehicles each year. JMS is also a pioneer in domestic vehicle calibrations and highly regarded as a foremost expert in Ford, GM and Chrysler powertrain and drivetrain systems.



LIGHT VEHICLE ASSEMBLY

JMS produces countless custom or specialty vehicles ranging from contemporary late model domestic performance cars to full blown turn key race cars, each year. Our teams of professionals are experts in supercharging, turbocharging, engine assembly, chassis production, suspension upgrades, and specialty equipment integration.



JMS TECHNICAL CENTER • LUCEDALE, MS

A state of the art facility that integrates custom and specialty vehicle manufacturing, race car production, electronics development and manufacturing, custom tuning and vehicle calibrations engineering, prototype development, and after-market component sales and distribution.



CUSTOM ECU CALIBRATION ENGINEERING

Since 1993, JMS has been a pioneer and industry-leader in Ford vehicle calibrations and instrumental in helping to develop the modern custom tuning aftermarket. Our tech center's tuning facility features two chassis dynamometers specifically for car and truck calibrations and engineering, and one motorcycle dyno to service the growing powersports market.

JMS POLICIES

HOW TO ORDER

Retail orders for JMS products can be placed through our website at: www.jmschip.com or by calling us factory direct at (601) 766-9424. JMS products can also be purchased through our network of warehouse distributors, dealers, jobbers, and installers. To locate a wholesaler or installer in your area, please contact us or use the dealer locator on our website.

TERMS OF SALE

JMS product orders are subject to our wholesale trade terms and conditions, which are located in the applicable price guide.

SHIPPING AND HANDLING

JMS products are shipped F.O.B. Lucedale, MS via UPS or common freight carrier, and are subject to applicable shipping terms and charges. JMS does maintain a freight policy for warehouse distribution based on a minimum order qualification. Overseas order shipping via a common freight forwarding company or broker are the responsibility of the customer.

PRICING

JMS maintains a *minimum advertised pricing policy* to protect product value, and maintain consistent and fair distribution or retail pricing points. JMS places high value on its brand and product integrity.

NON-JMS BRAND PARTS

Aftermarket parts purchased from JMS are covered under the manufacturer's warranty, and are not covered under the JMS manufactured products warranty.

OFF-ROAD NOTICE AND TERMS & CONDITIONS

JMS products are designed for Off-Road or Racing use only. JMS terms and conditions including: Pricing, specifications, warranty, and availability are subject to change without notice. Compliance with all federal, government, provincial, state or local laws are the responsibility of the customer or end-user. All claims of product performance are based on controlled testing conditions and real-time data, and results may vary based on your application or use. JMS shall not be liable for any fines or violations resulting from product use or installation.

SERVICE OR REPAIR:

Please contact JMS @ 601-766-9424 for a Return Authorization. All service returns should be sent freight pre-paid to: JMS SERVICE, 3247 HWY 63 S, Lucedale, MS 39452. The Return Authorization Number should be clearly written on the outside of the box, and in a letter that is included in the box. The letter should also list your contact phone number and a clear explanation of the exact problem.

JMS WARRANTY & CONTACT INFORMATION

JMS WARRANTS TO THE ORIGINAL PURCHASER THE FOLLOWING:

Your JMS Product will be free from defects in materials and workmanship for a period of twelve 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. JMS 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 JMS @ 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, 3247 HWY 63 S, Lucedale, MS 39452

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 3247 Hwy 63 S, Lucedale, MS 39452

601-766-9424

Technical Support Hours: Monday - Friday 9:00am - 5:00pm (Central Standard Time)

CONFIGURATION AND INSTALLATION VIDEOS ARE AVAILABLE ONLINE: WWW.YOUTUBE.COM/JMSCHIP

If you have any questions, please contact JMS technical support via email: jms@jmschip.com

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