

MSD 8733

MSD Ignition 8733 2-Step Launch Control for GM LS Engines User Manual

Model: 8733 | Brand: MSD

1. INTRODUCTION

The MSD Ignition 8733 2-Step Launch Control module is designed to provide consistent launch RPM for GM LS Engines. This direct plug-in unit simplifies installation with factory-style connectors, eliminating the need for splicing in many applications. It allows the driver to hold the accelerator pedal to the floor while the engine RPM remains at a consistent, pre-set level, optimizing vehicle launches.

2. SAFETY INFORMATION

CALIFORNIA WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

Always disconnect the vehicle's battery before performing any electrical work. Ensure all connections are secure and properly insulated to prevent short circuits. Consult a professional mechanic if you are unsure about any installation steps. Wear appropriate safety gear, including eye protection, during installation.

3. PACKAGE CONTENTS

- MSD Ignition 8733 2-Step Launch Control Module
- Wiring Harness with Factory-Style Connectors
- Activation Wire (Blue)
- Ground Wire (Black)
- Power Wire (Red)
- Mounting Hardware (Screws)
- Instruction Manual



Image: MSD 8733 2-Step Launch Control module with its complete wiring harness, including the blue activation wire and mounting screws.

4. FEATURES

- LS 2-Step Launch Control
- Easily Set Launch RPM For Consistent Holeshots
- Connects To Factory Coils For Easy Installation
- Optimized for hard launches
- Compatible with 24x or 58x trigger wheels

5. INSTALLATION AND SETUP

The MSD 8733 2-Step Launch Control is designed for straightforward installation on GM LS engines. Follow these steps carefully:

5.1 Mounting the Module

Select a secure, dry location for mounting the 2-Step module. Ensure it is away from excessive heat and vibration. The module can be mounted using the provided screws. Consider accessibility for future RPM adjustments.



Image: Close-up view of the MSD 8733 module, highlighting the RPM adjustment dials.

5.2 Wiring Connections

1. **Disconnect Battery:** Always disconnect the negative terminal of your vehicle's battery before beginning any wiring.
2. **Coil Pack Connection:** The main wiring harness of the 8733 module connects directly to your factory coil packs. These are plug-and-play connections, designed to fit without modification.

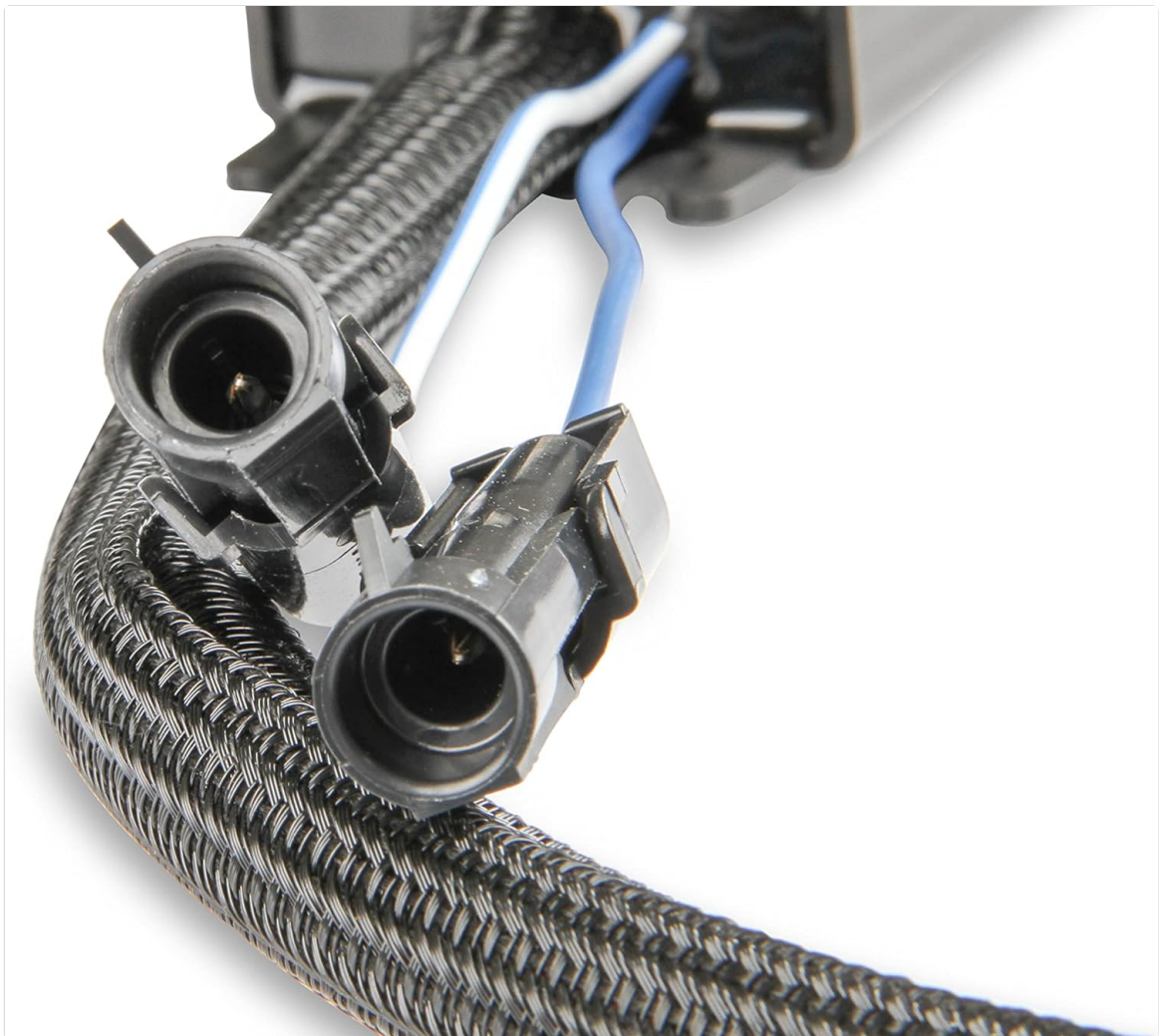


Image: Detail of the wiring harness connectors, designed for direct plug-in to factory coil packs.

3. **Power (Red Wire):** Connect the red wire from the 2-Step module to a switched 12-volt power source. This source should only be active when the ignition is on.
4. **Ground (Black Wire):** Connect the black wire from the 2-Step module to a reliable chassis ground point. Ensure the connection is clean and secure.
5. **Activation (Blue Wire):** The blue wire is the activation wire. This wire needs to receive a 12-volt signal to activate the 2-Step function. Common activation methods include:
 - **Clutch Switch:** For manual transmissions, connect the blue wire to the output side of the clutch pedal switch that provides 12V when the clutch is depressed.
 - **Transbrake/Line Lock Switch:** For automatic transmissions, connect the blue wire to the activation wire of your transbrake or line lock system.
 - **Momentary Push Button:** Install a momentary push-button switch that provides 12V to the blue wire when pressed.



Image: The blue activation wire, which receives a 12V signal to engage the 2-Step function.

5.3 Setting Launch RPM

The MSD 8733 module features two rotary dials for setting the desired launch RPM. One dial adjusts in increments of 1,000 RPM, and the other in increments of 100 RPM. Combine the settings on both dials to achieve your target launch RPM (e.g., setting the 'x1000' dial to '2' and the 'x100' dial to '5' will result in a 2,500 RPM launch limit).

Start with a lower RPM setting and gradually increase it as you test and become familiar with the system's response and your vehicle's traction capabilities.

6. OPERATING INSTRUCTIONS

Once installed and configured, operating the MSD 8733 2-Step Launch Control is straightforward:

1. Ensure the vehicle is in the appropriate gear for launch (e.g., 1st gear for manual, Drive for automatic with transbrake).
2. Engage the activation switch (e.g., depress clutch, activate transbrake/line lock, press momentary button).
3. Depress the accelerator pedal fully. The engine RPM will rise to the pre-set launch RPM and hold there.
4. Release the activation switch to launch the vehicle. The 2-Step will disengage, allowing the engine to rev normally.

Note: Practice in a safe, controlled environment to determine the optimal launch RPM for your vehicle and conditions.

7. MAINTENANCE

- Periodically inspect all wiring connections for tightness and corrosion.
- Ensure the module remains securely mounted.
- Keep the module clean and free from dirt, moisture, and debris.

- Avoid exposing the module to extreme temperatures or harsh chemicals.

8. TROUBLESHOOTING

8.1 2-Step Not Activating

- Check all wiring connections (power, ground, activation, coil packs) for proper installation and security.
- Verify that the activation wire (blue) is receiving a consistent 12-volt signal when the activation method is engaged.
- Ensure the module is receiving constant 12-volt power and a good ground.

8.2 Incorrect Launch RPM

- Double-check the settings on the rotary dials on the module.
- Ensure the module is compatible with your engine's trigger wheel (24x or 58x).

8.3 Engine Stumbles or Misfires During 2-Step

- This can sometimes occur if the launch RPM is set too low or too high for your engine's setup. Adjust the RPM in small increments.
- Ensure your ignition system (coils, spark plugs, wires) is in good working order.

9. SPECIFICATIONS






Attribute	Value
Model Number	8733
Brand	MSD
Compatibility	GM LS Engines (24x or 58x trigger wheels)
Material	Plastic
Item Weight	1.1 pounds
Voltage	12 Volts
Amperage	50 Amps
Wattage	600 watts
UPC	085132087334

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MSD Ignition website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Online resources and FAQs may also be available on the manufacturer's website to assist with common questions and advanced configurations.

Related Documents - 8733

	<p>MSD 2014 Performance Spark Plug Catalog & Application Guide</p> <p>Explore the 2014 MSD Performance Spark Plug Catalog and Application Guide. This comprehensive resource details MSD's advanced spark plug technology, including features, benefits, installation guidance, and troubleshooting tips. It provides an extensive application list to help automotive enthusiasts and mechanics find the perfect MSD spark plugs for a wide range of vehicles, ensuring optimal engine performance and reliability.</p>
	<p>MSD Digital 6A and 6AL Ignition Control Installation Instructions</p> <p>Comprehensive installation guide for MSD Digital 6A and 6AL Ignition Controls, covering wiring, operation, features, programming, and troubleshooting for automotive enthusiasts.</p>
	<p>MSD Digital 6M-3L Marine Ignition Installation Instructions</p> <p>Comprehensive installation guide for the MSD Digital 6M-3L Marine Ignition (PN 6564), covering features, wiring, programming, troubleshooting, and technical notes for marine applications.</p>
	<p>MSD LS Ignition Control PN 6014/60143 Installation Instructions</p> <p>Installation guide and technical specifications for the MSD LS Ignition Control (PN 6014/60143), covering wiring, operation, features, software setup, and troubleshooting.</p>
	<p>MSD Digital 6AL Ignition Control: REV Limiter Verification Guide</p> <p>Step-by-step guide to enabling and verifying the REV Limiter feature on the MSD Digital 6AL Ignition Control (PN 6425). Learn how to check your rev limit setting and important considerations for EFI systems.</p>
	<p>MSD Digital 6 Plus Ignition Control Installation Instructions</p> <p>Comprehensive installation guide for the MSD Digital 6 Plus Ignition Control (PN 6520), covering operation, features, wiring, programming, troubleshooting, and compatibility with various vehicle systems. Includes detailed diagrams and technical specifications.</p>

