

MSD 8747

MSD 8747 7000 Series RPM Module Kit User Manual

Model: 8747

1. PRODUCT OVERVIEW

The MSD 8747 7000 Series RPM Module Kit is designed to provide precise engine RPM limiting for performance applications. This kit includes five different modules, allowing users to set an RPM limit in 200 RPM increments, ranging from 7000 RPM to 7800 RPM. These modules are compatible with MSD ignition control units that utilize plug-in RPM modules.

The RPM limit function helps protect the engine from over-revving, which can prevent potential damage to internal components. It can also be used strategically for launch control or other specific performance requirements.

2. WHAT'S IN THE BOX

The MSD 8747 RPM Module Kit includes the following components:

- One (1) 7000 RPM Module
- One (1) 7200 RPM Module
- One (1) 7400 RPM Module
- One (1) 7600 RPM Module
- One (1) 7800 RPM Module



Image 1: The five RPM modules included in the kit, clearly showing their respective RPM values.

3. SETUP AND INSTALLATION

These RPM modules are designed for use with compatible MSD ignition control units. Refer to your MSD ignition unit's specific instruction manual for detailed installation procedures and module slot location.

1. **Identify the Module Slot:** Locate the designated RPM module slot on your MSD ignition control unit. This is typically a two-pin receptacle.
2. **Select the Desired RPM Module:** Choose the module from the kit that corresponds to your desired maximum engine RPM limit. For example, if you want a 7400 RPM limit, select the module labeled "7400".
3. **Insert the Module:** Carefully insert the selected RPM module into the module slot on the MSD ignition unit. Ensure the module is fully seated and the pins are correctly aligned. Do not force the module.
4. **Verify Installation:** Once inserted, ensure the module is secure. The MSD ignition unit will now operate with the engine RPM limited to the value specified on the installed module.



Image 2: Top view of the RPM modules, highlighting the two pins used for insertion into the ignition control unit.

Important: Always ensure the engine is off and the ignition system is de-energized before installing or removing any RPM modules to prevent electrical shock or damage to the components.

4. OPERATING INSTRUCTIONS

Once an RPM module is correctly installed in your MSD ignition control unit, the unit will automatically enforce the selected RPM limit. When the engine RPM reaches the set limit, the ignition system will begin to cut spark to specific cylinders, preventing the engine from exceeding that RPM.

- **RPM Limit Activation:** The RPM limit is active whenever the engine is running and the selected module is installed.
- **Engine Protection:** The primary function is to protect the engine from damage due to excessive RPM.
- **Performance Tuning:** Modules can be changed to adjust the RPM limit for different driving conditions or performance requirements, such as a lower RPM limit for launch control.

To change the RPM limit, simply replace the currently installed module with a different one from the kit, following the installation steps outlined in Section 3.

5. MAINTENANCE

The MSD RPM modules are solid-state electronic components and require minimal maintenance. Follow these guidelines to ensure their longevity and proper function:

- **Keep Clean:** Ensure the modules and their pins are free from dirt, oil, and moisture. Use a clean, dry cloth to wipe them if necessary.

- **Proper Storage:** Store unused modules in a dry, cool place, away from direct sunlight and extreme temperatures. The original packaging can provide good protection.
- **Handle with Care:** Avoid dropping the modules or bending the pins. Bent pins can prevent proper connection and damage the module or the ignition unit's socket.
- **Inspect Pins:** Before insertion, visually inspect the metal pins for any signs of corrosion or damage.

6. TROUBLESHOOTING

If you experience issues with your RPM modules or the RPM limiting function, consider the following:

- **RPM Limit Not Activating:**
 - Ensure the module is fully and correctly seated in the MSD ignition unit's socket.
 - Verify that the MSD ignition unit itself is functioning correctly.
 - Check for any damage to the module's pins or the socket.
- **Incorrect RPM Limit:**
 - Confirm that the correct RPM module for your desired limit is installed.
 - Ensure the module is not damaged or counterfeit.
- **Engine Misfires or Runs Poorly:**
 - If this occurs below the set RPM limit, the issue is likely not with the RPM module. Consult your MSD ignition unit's manual or a qualified mechanic.
 - If it occurs precisely at the RPM limit, this is the intended function of the limiter.

For further assistance, refer to the MSD ignition unit's manual or contact MSD technical support.

7. SPECIFICATIONS

Feature	Detail
Model Name	MSD 8747 RPM Module Kit (7000 to 7800)
Part Number	MSD-8747
Brand	MSD
RPM Increments	200 RPM (Even Increments)
RPM Range	7000 RPM to 7800 RPM
Number of Modules	5
Material	Plastic
Item Weight	2.08 ounces
Package Weight	0.07 Kilograms
Item Package Dimensions (L x W x H)	8.03 x 5.94 x 0.79 inches

8. WARRANTY AND SUPPORT

Warranty: The MSD 8747 RPM Module Kit is covered by a manufacturer's warranty. For specific details

regarding warranty coverage, duration, and claims, please refer to the warranty information provided with your MSD ignition control unit or visit the official MSD website.

Technical Support: For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact MSD customer support directly. You can typically find contact information on the MSD website or in the documentation accompanying your MSD ignition system.

MSD Official Website: www.holley.com/brands/msd/

9. SAFETY INFORMATION

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

Always exercise caution when working with automotive electrical systems. Disconnect the vehicle's battery before performing any installation or maintenance to prevent electrical shock or damage to components.