

MSD **IGNITION** **INSTALLATION INSTRUCTIONS**

MSD 2-Step Launch Control **for GM LS Series Engines** **PN 8733**

Parts Included:

1 - 2-Step Launch Control

1 - 1-Pin Wire Harnesses

Note: The 2-Step Launch Control is designed as a momentary low-rpm limiter. It will not provide nor modify any over-rev protection.

This MSD 2-Step Launch Control is designed for GM LS Series Engines with Coil-per-Cylinder ignitions. It can be used with 24x or 58x trigger wheels. The 2-Step Control will provide consistent launches and quick 60-foot times. RPM adjustments are made via two rotary switches located on the harness side of the unit. The adjustment range is from 1,000 - 10,900 rpm, in 100 and 1000 rpm increments. The LED will illuminate when the launch rev limit is active.

Note: It is recommended to have the service manual for your vehicle.

Note: The engine rpm must drop more than one third of the set launch limit in order to activate. For example, if the launch limit is set at 3,000 rpm, the engine speed must drop below 2,000 rpm in order for the launch limit to become active (one third of 3,000 rpm is a 1,000 rpm drop).

Caution: Keeping the engine on a lower rpm limit may cause the Check Engine light to come on and could potentially damage the catalytic converter.

MOUNTING

The 2-Step Control can be mounted in any position but keep in mind to mount it so the rotary dials are accessible for adjustments. Hardware is supplied for mounting. Before mounting the unit, confirm that the wiring harnesses reach their connections.

Connect the two main harnesses between the main coil connectors. (The connectors are interchangeable.)

ACTIVATION WIRES	
BLUE	When grounded, the launch feature will be active.
WHITE/BLUE	When switched to 12 volts, the launch feature will be active.

LED

The built-in LED will illuminate when the 2-Step Launch Control is activated.

CONNECT THE ACTIVATION WIRE

The launch rpm limit can be activated through a ground or a 12 volt source.

Ground: Switch the Blue wire to ground to activate the launch limit.

12 volts: Connect the White/Blue wire to 12 volts to activate the launch limit.

The LS 2-Step has a built-in rpm drop circuit that prevents the low rpm limit from activating during gear shifts (when connected through the clutch switch). In order for the limit to activate, it must see an rpm drop of more than 1/3 the set amount. For example, if the limit is set at 3,000 rpm, the limiter will not activate unless it sees more than a 1,000 rpm drop.

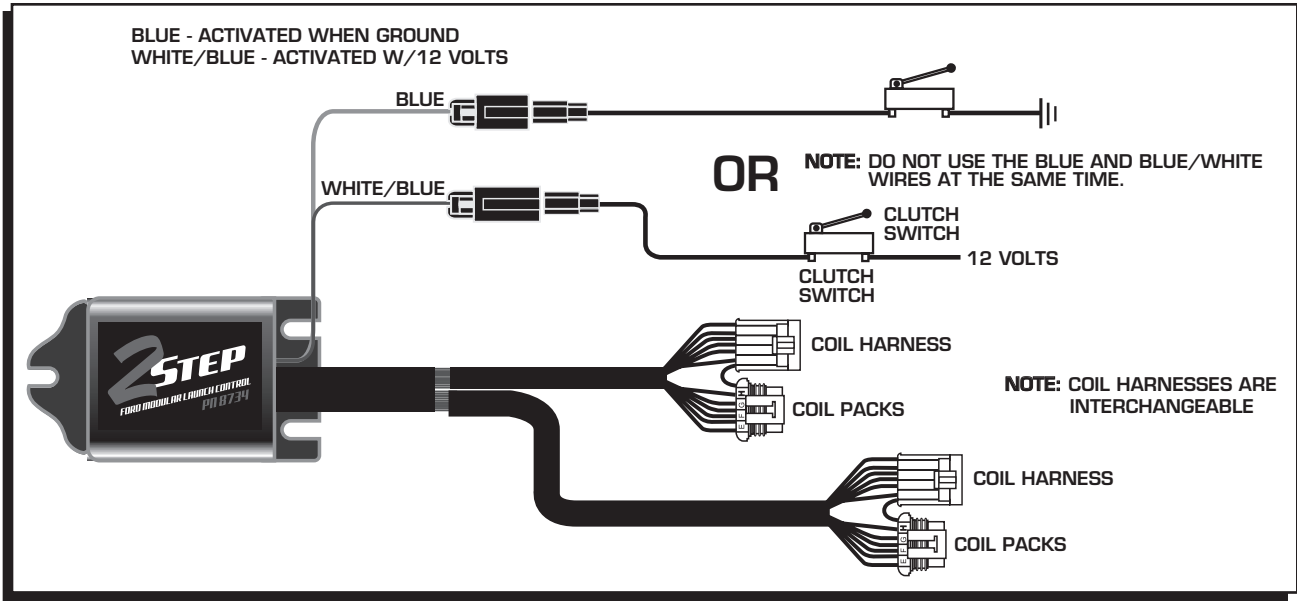


Figure 1 Wiring the Launch Activation Wire.

CONFIRM INSTALLATION

With the power On, engine running, activate the clutch or On/Off switch. If connected correct, the LED will illuminate when the clutch is activated. To verify the rpm, set the limit at a lower rpm, such as 3,000, and test the system.