



OPERATING INSTRUCTIONS

4-Stage RPM Activated Switch

Part No. 636

CONNECTING THE 636

The RED wire is connected to a switched 12 volt ignition source. Normally, this would be the wire that supplies power to your ignition system.

The BLACK wire should be connected to a good ground. The place where your ignition system is grounded is preferred.

The GREEN wire is connected to the TACH terminal of your ignition system.

NOTE: This RPM switch will not trigger properly if connected to coil terminals. It is designed for use with typical aftermarket ignition system tach outputs.

The stage activation wires require 12 volts to activate them if the MANUAL mode is selected. This 12 volt signal normally comes from switches mounted on the shifter so that as the shifter is moved through each position, a different switch is actuated. The wires for each stage are listed below:

WHITE	Stage 1
YELLOW	Stage 2
WHITE with GREEN stripe	Stage 3
WHITE with BLACK stripe	Stage 4

If the 636 RPM Switch is being used in the AUTOMATIC mode, you must supply 12 volts to the stage-1 wire to reset the unit at the starting line. This can be either a switch mounted on the shifter OR a separate hand operated momentary-contact switch that is pressed at the starting line. For example, you could use the roll control switch or trans brake switch to provide this signal.

The PURPLE wires are the normally closed (NC) contacts. This contact set is normally connected, and is *disconnected* when the RPM point is reached.

The ORANGE wires are the normally open (NO) contacts. This contact set is normally disconnected, and is *connected* when the RPM point is reached.

HOW TO SET THE RPM SWITCH

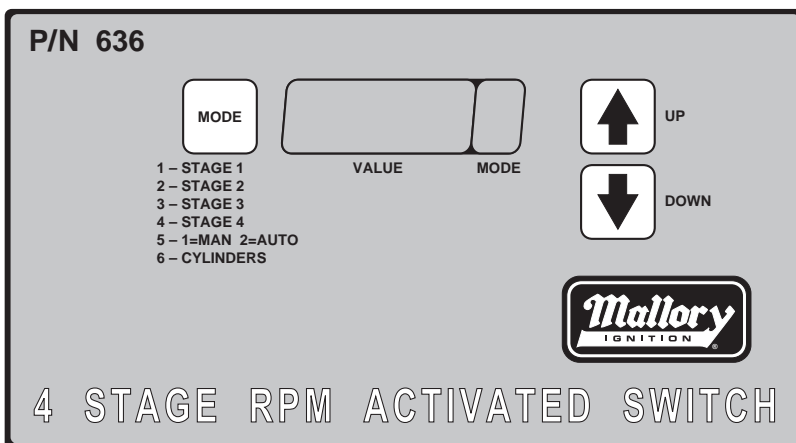
The 636 RPM switch has 3 buttons and an LED display. By pressing the "MODE" button, the display will cycle through the different RPM settings and the operation mode and cylinder select mode. The "MODE" display shows which setting is being adjusted.

- MODE 1 is RPM setting for stage 1
- MODE 2 is RPM setting for stage 2
- MODE 3 is RPM setting for stage 3
- MODE 4 is RPM setting for stage 4
- MODE 5 is the manual/automatic selection 1 = manual, 2 = automatic.
- MODE 6 is cylinder select. You can select 3 to 12 cylinders (even-fire only)

The RPM range for the switch is 1000 to 16000 in 100 RPM increments. The display shows hundreds of RPM (for example, 76 means 7600 RPM).

AUTOMATIC vs. MANUAL

The manual mode only changes the RPM switch when a 12 volt signal is connected to the stage input. This means that no matter how you shift, the unit will always be in the proper stage for a particular gear. The automatic mode will change to the next stage after you've reached the shift point in the active stage. For example, if you're in first gear and you reach your 6800 RPM shift point. Your shift light goes on, and you shift into second. Once the RPM drops below 6800 RPM, the 636 will automatically select stage two. This process continues until stage 4 is reached. Keep in mind that, if you are using the 636 in the automatic mode, you will cause the unit to lose track if you short-shift before reaching the RPM switch value.



MALLORY IS A DIVISION OF THE MR. GASKET PERFORMANCE GROUP
550 MALLORY WAY, CARSON CITY, NEVADA 89701
(775) 882-6600 FAX (775) 887-4326
www.mrgasket.com

FORM #1253
(REV. A) 11/99
Made in U.S.A.
Printed in U.S.A.