

INSTALLATION INSTRUCTIONS

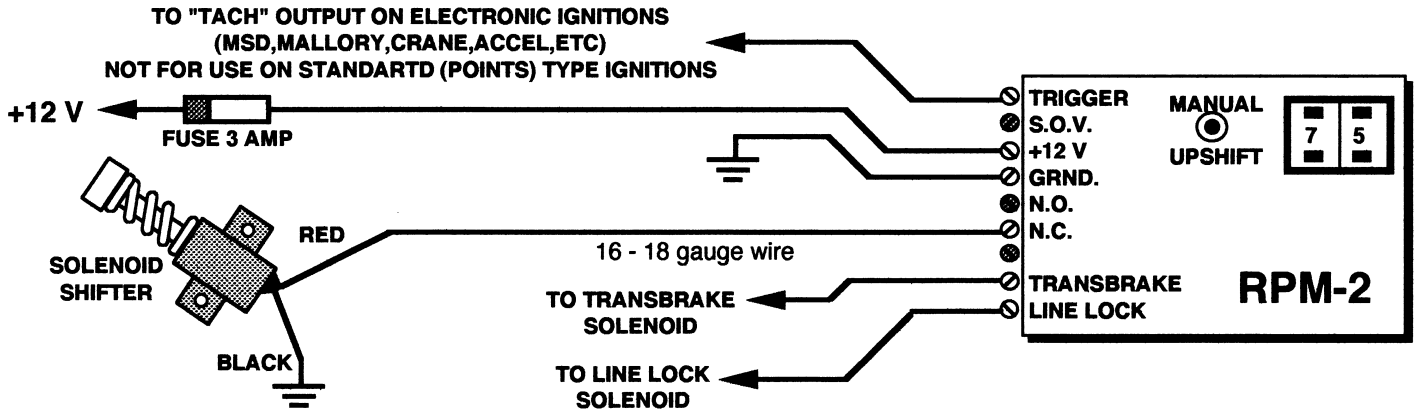


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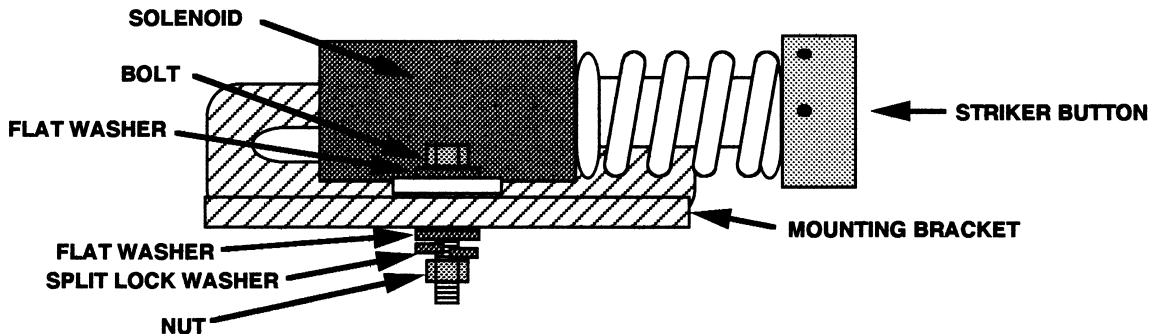
Solenoid Shifter & Rpm Switch
 Model: SS2RPM

This solenoid shifter is for use on 2 speed forward pattern transmissions only. The RPM switch is for use only on aftermarket electronic racing ignitions (MSD, MALLORY, ETC.) with 8 cylinder engines.

1. The Solenoid Shifter unit must be energized to properly determine the mounting position, so the first step is to wire the RPM switch as shown. Use at least 16 - 18 gauge wire, and run the +12 volt wire **directly to the master switch** using a 3 to 5 amp fuse in line. Ground the RPM switch to a good chassis ground at a **different point** from the ignition ground.

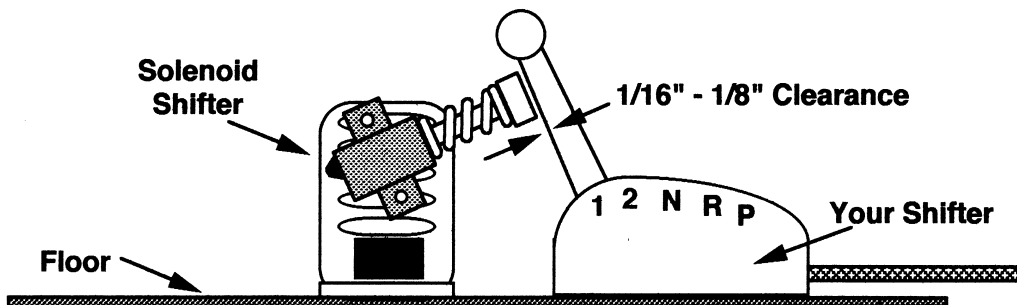


2. Assemble the Solenoid Shifter as shown. Mount the "L"-bracket behind the shifter. If it is a rear exit cable shifter and the "L"-bracket foot interferes with the cable, reverse the bracket.



3. Turn on the power to the RPM switch and "cock" the solenoid back. Once it is back, it will lock in and hold until power is released. Pull the transmission shifter lever back into low gear. Set the height of the Solenoid Shifter "Striker button" so that it is as high up on the transmission shift lever as possible. The solenoid plunger shaft should be directly behind and at a right angle to the transmission shift lever (in low gear). Bolt the Solenoid Shifter down so that there is a 1/16" to 1/8" clearance between the "button" and the lever. It is also a good idea to use a backing strip of metal under the floor boards if the floor is thin metal. Adjust the length of the throw if necessary, but try to use the longest throw possible and still be able to "cock" the solenoid by pulling your shifter lever back into low gear. Press the Manual Upshift button to test the unit or to "short shift" during a pass. "Low Gear Apply" button is for new "Electronic Shift" valve bodies. This is not used in this Solenoid Shifter application.

CAUTION: The solenoid will get hot. This is normal. It is drawing only 1 amp. (Equivalent to interior "dome" light on a street car). No on / off switch needed.



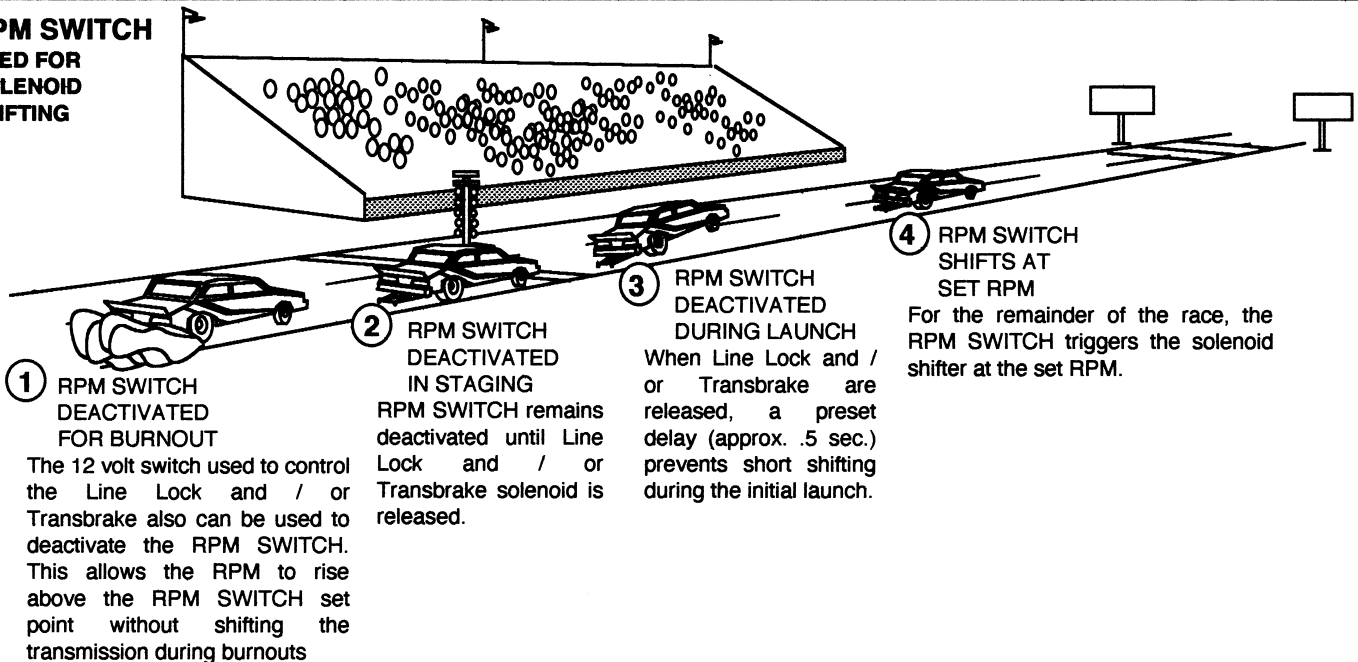
Optional Disables

"Transbrake" & "Line Lock" terminals are optional. When there is +12v present on either of these two terminals, the RPM switch is disabled. When the +12v is removed, the RPM switch is still disabled for approx. 1/2 second. This keeps the unit from shifting during your burn-out and while you are staging the car. Also, tire-spin and/or converter flash won't make the unit shift when you launch, unless the 1/2 second delay times out.

Operation

1. Set the push button switches to the desired shift RPM (70 = 7000 rpm, 73 = 7300 rpm, 75 = 7500 rpm)
2. In a normal installation, when the transmission shifter is pulled into low gear, the Solenoid Shifter will be cocked automatically (if not, pull back on the striker button to cock it).
3. If the Line Lock and/or Transbrake disable terminals are hooked up, the shifter will not shift when these solenoids are activated. This keeps the car from shifting during the water burnout and prevents premature shifting if the engine overspeeds (wheel-spin, converter flash, etc.). When the +12v is removed from these terminals, the box is disabled for approx. 1/2 second.
4. You can now race. Shift to low, stage the car. Make your run. At the dialed in RPM, the transmission will shift automatically.
5. If you wish to check the Solenoid Shifter function, you can set the push button thumbwheels to a lower RPM and check the operation. Setting the shift point below 3,000 RPM is not recommended. Pressing the "Manual Upshift" button will shift the shifter anytime (even without the engine running).

RPM SWITCH USED FOR SOLENOID SHIFTING



LIMITED 1 YEAR WARRANTY

Dedenbear Products components are warranted directly by Dedenbear Products against defective material or workmanship under normal use and service for a period of one (1) year after purchase. Dedenbear Products will repair or replace the defective unit, at Dedenbear Products option, free of charge. This warranty does not cover any damage to the component caused by abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow installation/operating instructions, maintenance, storage and environmental conditions, or repair attempts made anyone other than Dedenbear Products Authorized Service facility.

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For Tech. Assistance, Call: (925)935-3025