# INSTALLATION INSTRUCTIONS

## "SHIFNOID" AUTO SHIFTER SOLENOID / SPRING KIT

## PART # SN6000

FOR STANDARD "FORWARD" PATTERN 2 SPEED TRANSMISSIONS USING A "HURST" QUARTER STICKtm, "B & M" PRO STICKtm, "TCI" OUTLAW OR "TCI" THUNDER STICK SHIFTER

### MOUNTING THE UNIT

The mounting bracket is designed for a HURST QUARTER STICK two speed shifter, B & M PRO STICK and TCI two speed shifters. If mounting on the HURST QUARTER STICK II, rear cable shifter, the bracket may need minor modifications.

Mount the solenoid on the bracket using the two forward holes on the vertical side of the bracket for 2 speed powerglides. Mount the solenoid on the bracket using the two rear holes when using the kit for first to second only on a 3 speed transmission. Use the included spacers as shown on diagram. Place the bracket between the shifter and the mounting surface, (floor, shifter platform, etc). Bolt the bracket down, using the holes that correspond with your shifter, verifying the solenoid lines up behind the shifter handle.

Adjust the tip of the solenoid to have 1/16" air gap between the tip of the solenoid and the shifter handle when the shifter is in 2nd gear. This gap can be adjusted by moving the solenoid mounting bolts in the slotted mounting holes, and / or by holding the plunger on the solenoid and turning the adjusting nut on the back of the solenoid. After adjusting for this gap, tighten all mounting bolts.

### WIRING THE UNIT

You must first determine what kind of RPM switch or timer you are using. If your RPM switch or Timer supplies "NORMALLY CLOSED GROUND", connect the trigger wire from your device to the Black wire on the solenoid. Connect the Red solenoid wire to a switched 12 volt source.

If your RPM switch or Timer supplies "NORMALLY CLOSED POWER, 12 V+" connect the trigger wire from your device to the Red wire on the solenoid. Connect the Black solenoid wire to a good vehicle Ground. Install the included fuse and fuse holder on the red solenoid wire, between the solenoid and the power source or RPM switch. Use a minimum of 16 gauge wire for all applications.

If your RPM switch supplies only "Normally OPEN Power or Ground" you will need a relay. Contact technical support for assistance.

*NOTE: The solenoid must be energized for the shifter to remain in first gear. Turn off all power to your RPM switch and the power supply to the solenoid when the shifter is not being used or when the car is unattended.*

### USE

With power applied to your RPM switch or Timer and the power to the solenoid on, the solenoid plunger will depress and stay locked back when you place the shifter in first gear. If the solenoid will not stay locked back, verify you have voltage and ground to the solenoid and that the shifter handle depresses the plunger all the way back when in first gear. This solenoid shifts by spring action. The electrical circuit holds the spring loaded plunger in a cocked position. When your RPM switch or Timer removes the ground or power, the plunger is released, pushing the shifter handle into the next gear.

*NOTE: Any power interruption will cause the solenoid to release and the plunger to strike the shifter handle.*

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# SHIFNOID DIAGRAM
## FOR A SHIFNOID SN6000 SHIFT KIT

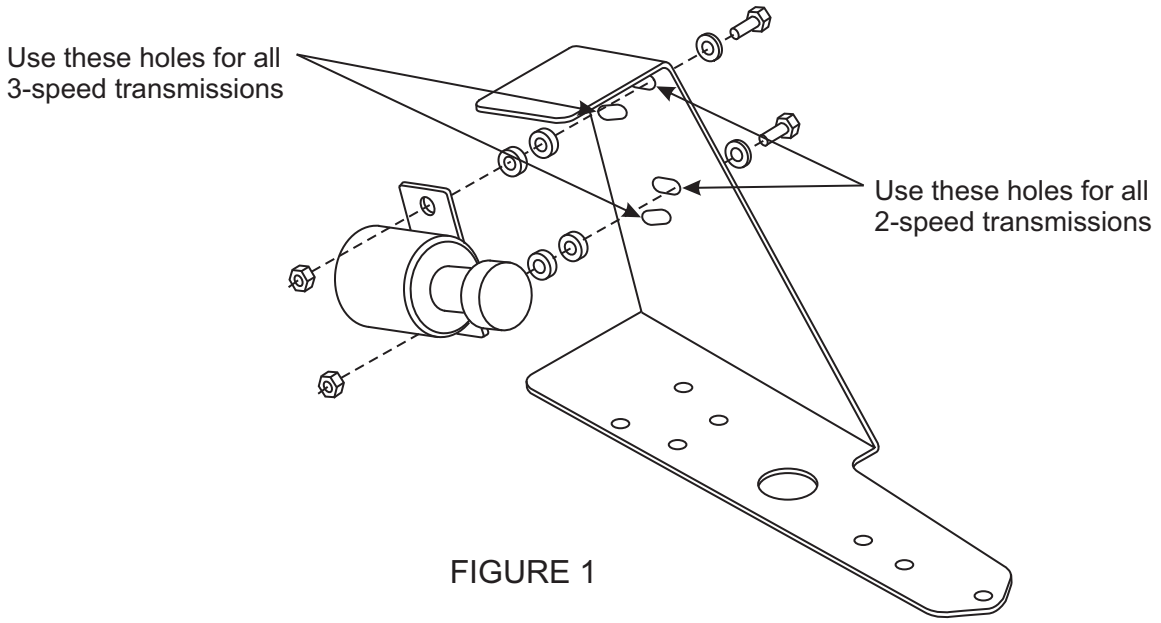


FIGURE 1

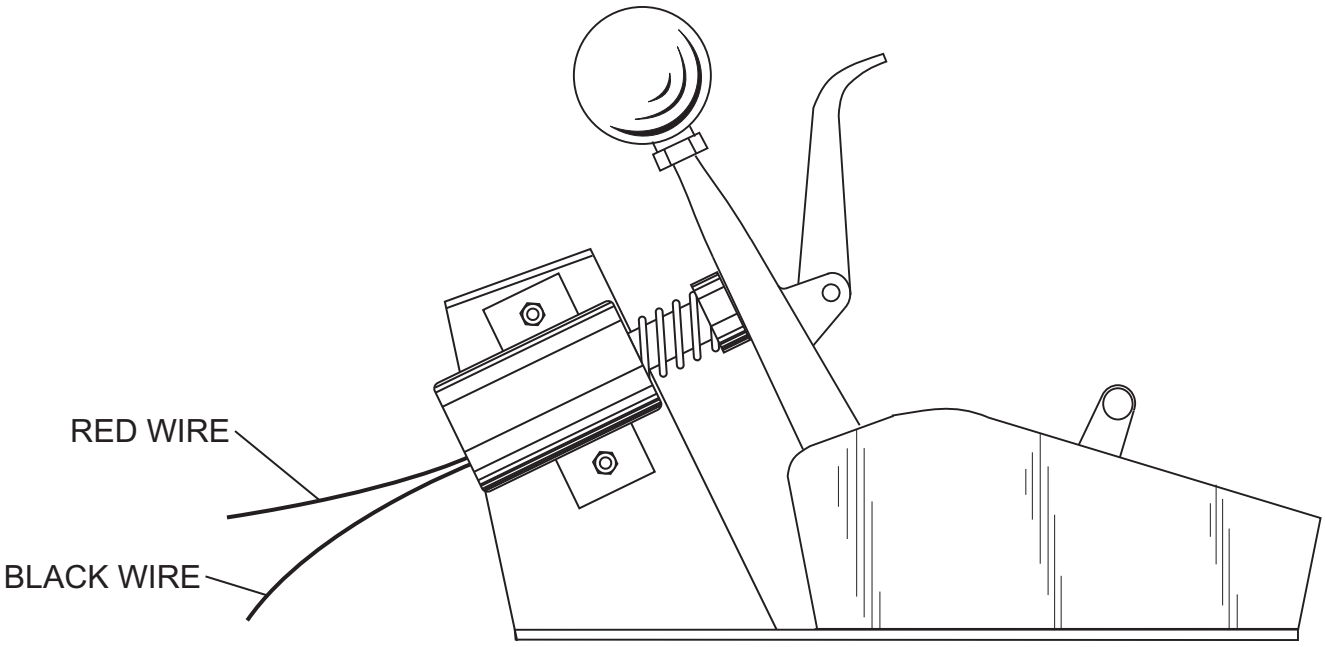


FIGURE 2