The SS6 solenoid shifter is designed to shift 2-speed Powerglide transmissions using a Turbo Action Cheetah shifter. The SS6 solenoid works by using a "hold" style electric solenoid to hold back a spring loaded plunger. The solenoid is constantly "on" and when the spring is compressed by pulling the shifter into low gear, the solenoid will lock it in place. At the preset RPM or time, the RPM switch or timer will momentarily cut power to the solenoid, releasing the spring loaded plunger which pushes the shifter from low to high gear.

INSTALLATION

1. Using the two included 1/2" long bolts with no washers, bolt the SS-6 bracket to the Turbo Action shifter as shown below.
2. Install the solenoid assembly on to the mounting bracket with the remaining hardware using the aluminum spacers between the solenoid and the bracket.
3. Choose the appropriate wiring diagram from the reverse side and wire as shown.
4. Once wired, power up the system, and by hand push the plunger into the solenoid until it locks in the "cocked" position.
5. Pull the shifter handle into low gear, adjust the solenoid using the slotted holes in the mounting bracket so it just barley touches the back of the shifter handle in low gear.
6. Remove power from the system to make the solenoid shift. Make sure the solenoid moves the shifter completely into high gear.
   - Adjust the nut at the back of the solenoid to adjust the total throw of the solenoid so that there is about 1/16" clearance between the plunger and the shift handle in high gear.

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.

DEDENBEAR PRODUCTS SHALL NOT BE LIABLE FOR INJURY, CONSEQUENTIAL, OR OTHER TYPE DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS, OTHER THAN THE LIABILITY STATED ABOVE. This warranty is in lieu of all other warranties of merchantability or fitness of use. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
**WIRING WITH DEDENBEAR RPM-2**

To "TACH" output on MSD, Crane, Holley & Mallory ignitions.

- **FUSE 3 AMP**
  - Red
  - Black

Solenoid Shifter

- **16 - 18 gauge wire**
  - TO TRANSBRAKE SOLENOID (OPTIONAL)
  - TO LINE LOCK SOLENOID (OPTIONAL)

Note: By wiring the transbrake / line lock terminals to the solenoids, the "Disable" feature of the RPM will prevent false shifts from the spin or converter flash. These terminals have a built-in delay, and will disable the RPM switch for 5 seconds after solenoid release. See the RPM-2 instructions for full detail.

**WIRING WITH DEDENBEAR CC-1,2&3 OR BM-1&2**

To "TACH" output on MSD, Crane, Holley & Mallory ignitions.

- Red
  - Black

Solenoid Shifter

- **RPM SWITCH OUT**
  - TO + 12 VOLTS AT MASTER SWITCH
  - FUSE 15 AMP

- **+12 VOLTS**
  - GROUND

Note: See either the CC-1,2,3 or BM-1,2 instructions for complete wiring diagrams including transbrake / throttle stop wiring.

**WIRING WITH MSD RPM SWITCH #8950**

To switched + 12 volts

- Red

To tach out on MSD

- White
  - YELLOW (N.O.) NOT USED
  - GRAY (N.C.)

Solenoid Shifter

- **FUSE 3 AMP**
  - Black
  - Red

To + 12 volts

- **MSD #8950 RPM ACTIVATED SWITCH**

**WIRING WITH MSD 7AL3 IGNITION**

Note: The MSD 7AL3 has a normally open output. Therefore, a relay must be used to invert the output. Use a standard 12 volt, 30 AMP automotive relay. Dedenbear has these relays available, Part # HPR.

- **FUSE 3 AMP**
  - Red
  - Black

Solenoid Shifter

- **16 - 18 gauge wire**

**RELAY**

- **MSD 7AL3**
  - LAUNCH
  - BRNOUT
  - RET #4
  - PNTS
  - SRT RET
  - TACR
  - IGN
  - OUTPUT
  - RAS

Note: Make sure to wire the jumper between the "RAS OFF" and the "IGN" terminals on the MSD 7AL3. The shifter will not work. See MSD's 7AL3 Instruction Manual for the remainder of the wiring and operation.

**NOTE:** If your diagram is not shown, call (925) 935-3025 for technical help.