The SS4 solenoid shifter is designed to shift 2-speed Powerglide transmissions using a B&M Pro Bandit shifter only. The SS4 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. Remove the 5 allen head screws from the side of the B&M shifter and remove the side cover.
2. Install the shifter mounting bracket to the back side of the shifter using the supplied bolts.
3. Reinstall the shifter side cover and allen head screws.
4. Install the solenoid assembly on to the mounting bracket with the remaining bolts.
5. Choose the appropriate wiring diagram from the reverse side and wire as shown.
6. Once wired, power up the system, and hand push the plunger into the solenoid until it locks in the "cocked" position.
7. Pull the shifter handle into low gear, adjust the solenoid using the slotted holes in the mounting bracket so it just barely touches the back of the shifter handle.
8. 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.

For Service on all Dedenbear Products, return directly to: DEDENBEAR PRODUCTS, INC. • ATTN: REPAIRS • 1917 OAK PARK BLVD. • PLEASANT HILL, CA 94523. For faster service, please include a note describing the nature of the problem, a copy of your original invoice, your name, return shipping address, and daytime & evening phone numbers where you can be reached.
**WIRING WITH DEDENBEAR RPM-2**

TO "TACH" OUTPUT ON MSD, CRANE, HOLLEY & MALLORY IGNITIONS.

- **+12V**
- **Fuse 3 Amp**
- **Ground**

**Solenoid Shifter**
- Red
- Black

**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 RPM2 WILL PREVENT FALSE SHIFTS FROM TIRE SPIN OR CONVERTER FLASH. THESE TERMINALS HAVE A BUILT IN DELAY, AND WILL DISABLE THE RPM SWITCH FOR 6 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.

- **RPM Switch Out**
- **RPM Switch Out**
- **To +12 Volts AT Master Switch**
- **Fuse 15 Amp**

**Solenoid Shifter**
- Red
- Black

**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**
- Black
- Red

**Fuse 3 Amp**

**To +12 Volts**

**NOTE:** MAKE SURE TO WIRE THE JUMPER BETWEEN THE "RAS ON/OFF" AND THE "IGN" TERMINALS ON THE MSD 7AL3 OR THE SHIFTER WILL NOT WORK. SEE MSD 7AL3 INSTRUCTION MANUAL FOR THE REMAINDER OF THE WIRING AND OPERATION.

**WIRING WITH MSD 7AL3 IGNITION**

**NOTE:** THE MSD 7AL3 HAS A NORMALLY OPEN OUTPUT ONLY. 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**

**To +12 Volts**

**Solenoid Shifter**
- Red
- Black

**16 - 18 gauge wire**

**NOTE:** IF YOUR DIAGRAM IS NOT SHOWN, CALL (925) 935-3025 FOR TECHNICAL HELP.