CONVERSION
INSTRUCTIONS
2650-1298-00 Rev. A

SOLENOID
SHIFTER Model
SS-2

413 West Elm Street • Sycamore, IL 60178
(866)248-6357 • (815)895-6786
www.autometer.com • service@autometer.com

APPLICATION -The Dedenbear Products Solenoid Shifter is designed to push any "gate" style shifter from first gear into second gear. It was designed to make only one shift per run. On a forward pattern shifter, with first gear being farthest away from park, mount the Solenoid Shifter on the transmission tunnel behind the shifter. If the shifter is in a rear engine dragster or altered, with the shifter centered between the driver's legs and up against the seat, it may be possible to turn the shifter around so "Park" is now up against the seat. Then mount the Solenoid Shifter "behind" the shifter, so it pushes towards the back of the car.

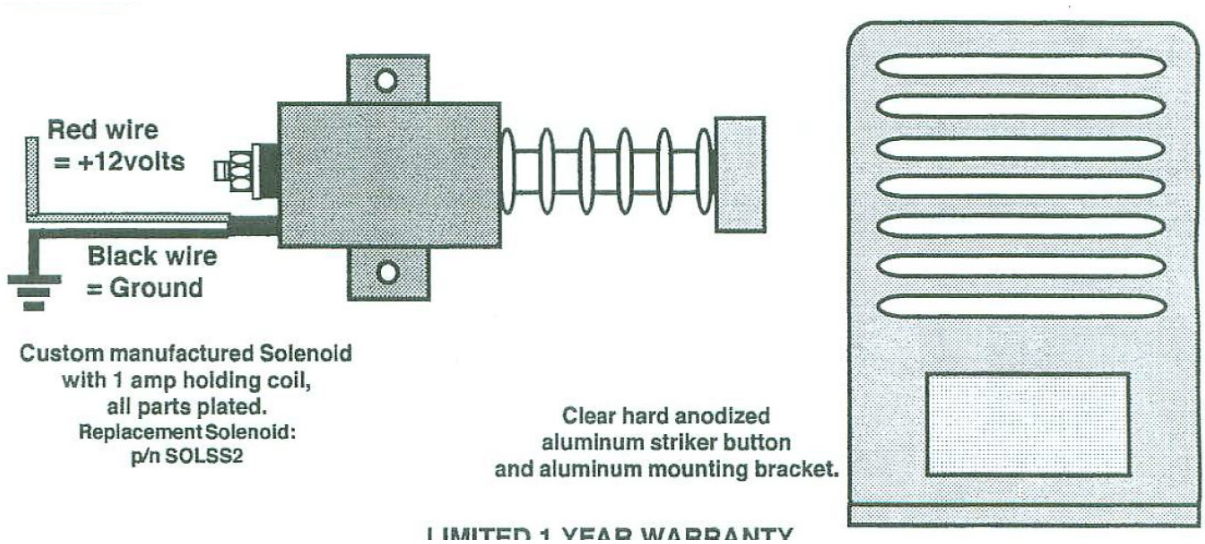
The Solenoid Shifter has been used quite often on 3 speed transmissions, making the 1-2 shift, but it will not do the 2-3 shift on the same transmission. Custom mounting bracket or modifying the end of the plunger is required to do this. Please call if you have any questions.

WIRING -The solenoid works by "holding" the plunger back when +12volts is applied. When the +12volts is cut, the spring-loaded plunger fires forward, pushing the shifter lever into the next gear. Locking the plunger back is accomplished by pulling the shifter lever back into tow gear or manually compressing the plunger.

Wire the solenoid so that it has a constant+ 12volt power supply, and (if shifting by RPM) when the selected RPM is reached, the +12volt power is cut off. "Short shifting" is accomplished by removing the +12v power, by use of a toggle switch or "normally closed" momentary contact push-button. See diagrams on back for typical wiring schematics.

THE SOLENOID WILL GET VERY WARM. THIS IS NORMAL. IT HAS A CONTINUOUS DUTY COIL THAT ONLY DRAWS ONE (1} AMP! THIS IS EQUAL TO A "DOME LIGHT" IN A STREET CAR.

IT WILL NOT PUT AN EXCESSIVE DRAIN ON THE BATTERY.



LIMITED 1 YEAR WARRANTY

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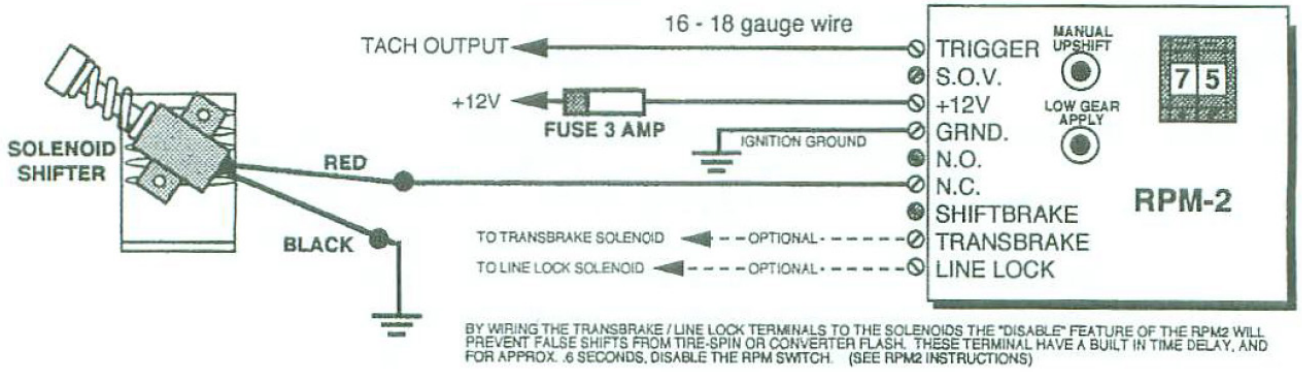
DEDENBEAR Products, Inc. warrants to the consumer that all DEDENBEAR Products purchased from an Authorized DEDENBEAR Reseller will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12 month warranty period will be repaired or replaced at DEDENBEAR's option, when determined by DEDENBEAR that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of parts in the DEDENBEAR Product and the necessary labor done by DEDENBEAR to effect the repair or replacement of the DEDENBEAR product. In no event shall DEDENBEAR's cost to repairor replace a DEDENBEAR under this warranty exceed the original purchase price of the DEDENBEAR Product. Nor shall DEDENBEAR Products, Inc. be responsible for special, incidental or consequential damages or costs incurred due to the failure of a DEDENBEAR Product. This warranty applies only to the original purchaser of the DEDENBEAR Product and is non-transferable. This warranty also applies only to DEDENBEAR Products purchased from an Authorized DEDENBEAR Reseller. All implied warranties shall be limited in duration to the said 12 month warranty period. Breaking the instrument seal, improper use or installation, accident, water damage, abuse, unauthorized repairs or alterations voids this warranty. DEDENBEAR disclaims any liability for consequential damages due to the breach of any written or implied warranty on all products manufactured by DEDENBEAR Products, Inc.

FOR SERVICE SEND TO: DEDENBEAR PRODUCTS, INC 413 W. Elm St. Sycamore, IL 60178 USA (866) 248-6357
Email: service@autometer.com
CUSTOMER SERVICE & TECH. SUPPORT: (866)248-6357 Mon-Fri 8am-5pm CST

Solenoid Shifter using DEDENBEAR RPM2 rpm activated switch

When using a Dedenbear RPM2 rpm activated switch (p/n #RPM2) to make the Solenoid Shifter shift wire as shown below.

The Solenoid Shifter unit must be energized to properly determine the mounting position, so the first step is to wire the MSD rpm switch as shown. Use at least 16 - 18 gauge wire, and install a 3 amp fuse in the +12v wire.

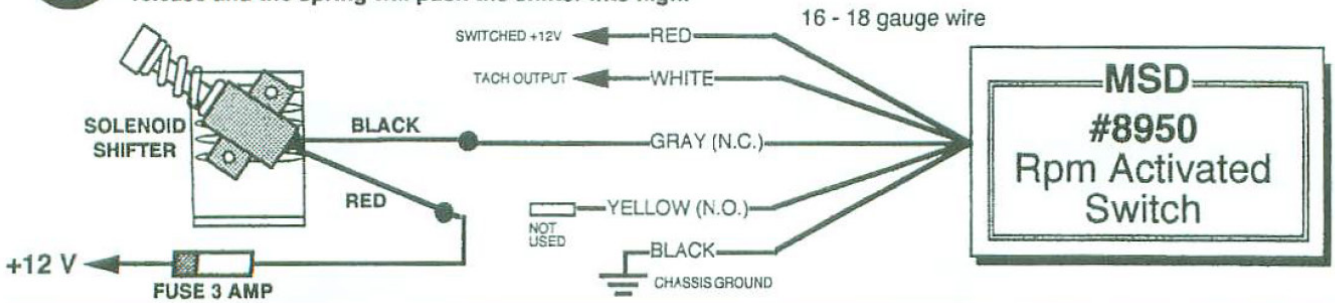


Solenoid Shifter using MSD RPM switch #8950

Some racer's use MSD rpm activated switch (p/n #8950) to make the Solenoid Shifter shift so we've included the correct wiring diagram for them.

The Solenoid Shifter unit must be energized to properly determine the mounting position, so the first step is to wire the MSD rpm switch as shown. Use at least 16 - 18 gauge wire, and install a 3 amp fuse in the +12v wire for the solenoid.

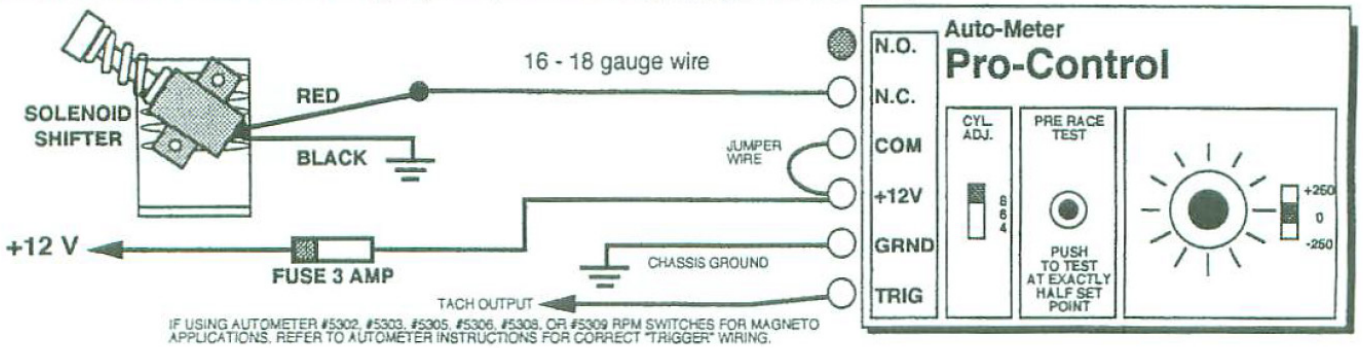
Remember: MSD #8950 rpm activated switch controls (switches) ground. This means the solenoid will be wired to a constant "hot" source. When the MSD #8950 "removes" ground (gray wire), the solenoid will release and the spring will push the shifter into high.



Solenoid Shifter using AutoMeter Pro-Control rpm switch #5301, #5304, #5307 (Std./MSD Ign)

Some racer's use AutoMeter Pro-Control rpm activated switch (p/n #5301) to make the Solenoid Shifter shift so we've included the correct wiring diagram for them.

The Solenoid Shifter unit must be energized to properly determine the mounting position, so the first step is to wire the AutoMeter rpm switch as shown. Use at least 16 - 18 gauge wire, and install a 3 amp fuse in the +12v wire.



NOTE: Dedenbear Products warranty covers only Dedenbear Products components, not any other device used In conjuctlon with our products. We suggest reading the other manufacturer's Instructions to be sure there will not be any problems. If you have any questJons, please call us. Thank you.