



Back-Up Light Switch Kit for all StatShifters & Z-Gate Shifters

Part No. 80580

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The B&M Back-Up Light Switch Kit will enable you to use your back-up lights when in reverse gear with all StarShifters and Z-Gate Shifters. This kit is compatible with a stock back-up light system or a custom system that you may have installed yourself. Be sure to read these instructions all the way through and check the parts list to make sure you have everything before you start.

STEP 1. Remove shift lever T-handle. The T-handle is screwed onto the lever and held in place with a jam nut.

STEP 2. On **StarShifters**, remove gear indicator by turning counterclockwise. Remove the four phillips head screws, at front and rear locations, holding tower and boot assembly to shifter mechanism. Lift tower and boot assembly off shifter mechanism and set it aside.

Z-Gate Shifters, remove the tower assembly by first unsnapping the chrome tower from the black base, then removing the #10 screws holding the base to the shifter backing plate.

STEP 3. Remove the two wires on the neutral safety switch (if switch is in use), mark the wires with masking tape (you can write on it with an ink pen) so that you can get them back onto the proper terminals. Remove the two screws holding the switch in place (See Fig. 1) and remove the switch.

STEP 4. Place the shifter in the first gear position (handle all the way back). For **Z-Gate Shifters**, position the two microswitches as shown in Figure 3 using the mounting holes shown in Figure 2. For **StarShifters** position the two microswitches as shown in Figure 4. On **StarShifters** there are two sets of holes on the T-plate. Your new switches must mount to the two holes nearest the front of the shifter. Install the two 1/4"

screws supplied with kit through both switches and T-plate. Install the two nuts and tighten snugly. Be careful not to over-tighten the nuts as the switches will crack.

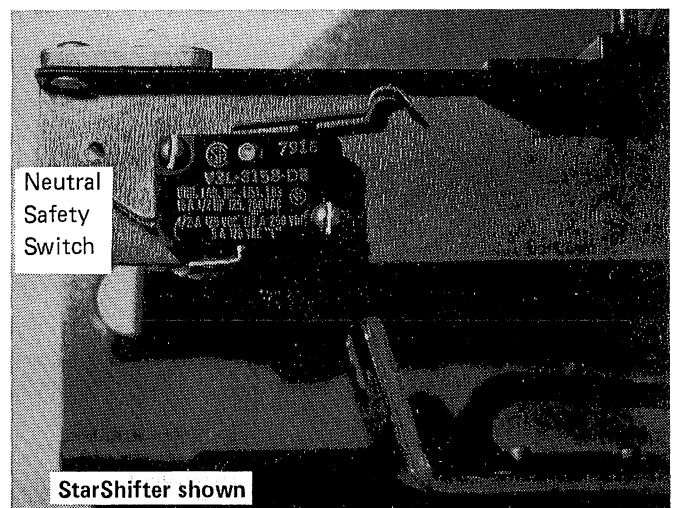
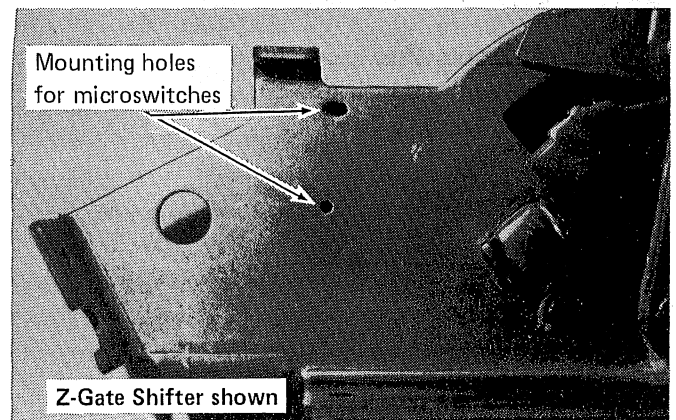


FIGURE 1



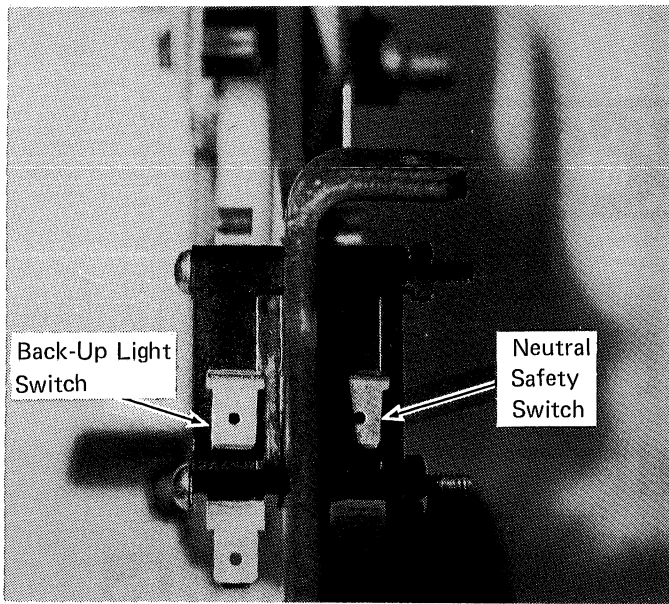


FIGURE 3

STEP 5. Connect terminals on right side switch to existing back-up light wires. Use 3/16" female slip-on connectors supplied with kit. Connect one wire (it doesn't matter which one) to the bottom terminal; it is marked "com" on the plastic switch body. Connect the other wire to the terminal on the back of the switch marked "no". On the back of the switch, the top terminal, marked "nc," is NOT used. If your original back-up light switch was built into the steering column, use the 6 ft. of hook-up wire and two butt-splices to connect your Back-Up Light Switch to your vehicle's original wiring. If you are installing back-up lights in a vehicle that was not originally equipped with back-up lights, connect the switch between the ignition switch terminal marked "Ign" and the back-up lights. Refer to Figure 5.

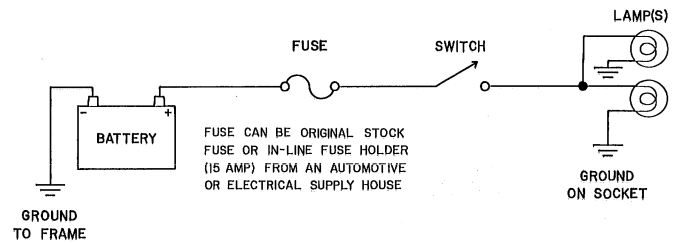


FIGURE 5

STEP 6. Install the two neutral safety switch wires, if used, to the left side switch. Use the terminal marked "com" and terminal marked "no". **DO NOT USE** terminal marked "nc".

STEP 7. Check operation by putting the shifter in the reverse gear position and turning the ignition key on. Adjust switch position as necessary for proper operation by loosening the screws and moving the switch. A small drop of lock-tite, or similar product, will prevent nuts from loosening later due to vibration. If the back-up lights do not operate or stay on when the shifter is not in reverse, check the wiring on the switch. You must use the two terminals marked "com" and "no."

STEP 8. Replace the tower and boot/chrome cover assembly just the way you took them off. Screw the T-handle back into place. Put gear indicator back on StarShifter by turning clockwise.

TOOL LIST

- (1) Phillips screwdriver
- (1) Small flat blade screwdriver
- (1) Wire stripper (Not absolutely necessary. You can use a knife to strip the insulation from the wires. But BE CAREFUL. Cut the wires, not your hand.)
- (1) Wire crimper or pliers
- (1) 3/4" open end wrench or "crescent" wrench
- (1) 1/4" wrench or pliers

PARTS LIST

- 2 - 3/16" Female slip-on connectors
- 2 - 14 gauge splices
- 2 - #4-40 x 1-1/4" screws
- 2 - Microswitches
- 6 ft. Hookup wire (If you must use more wire to hook up your lights, buy only 14 gauge insulated automotive wire.)

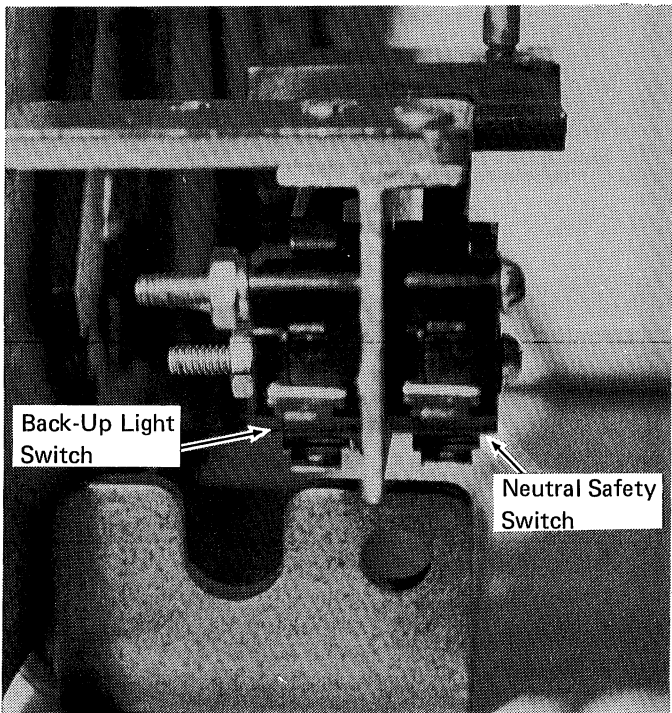


FIGURE 4