INSTALLATION INSTRUCTIONS
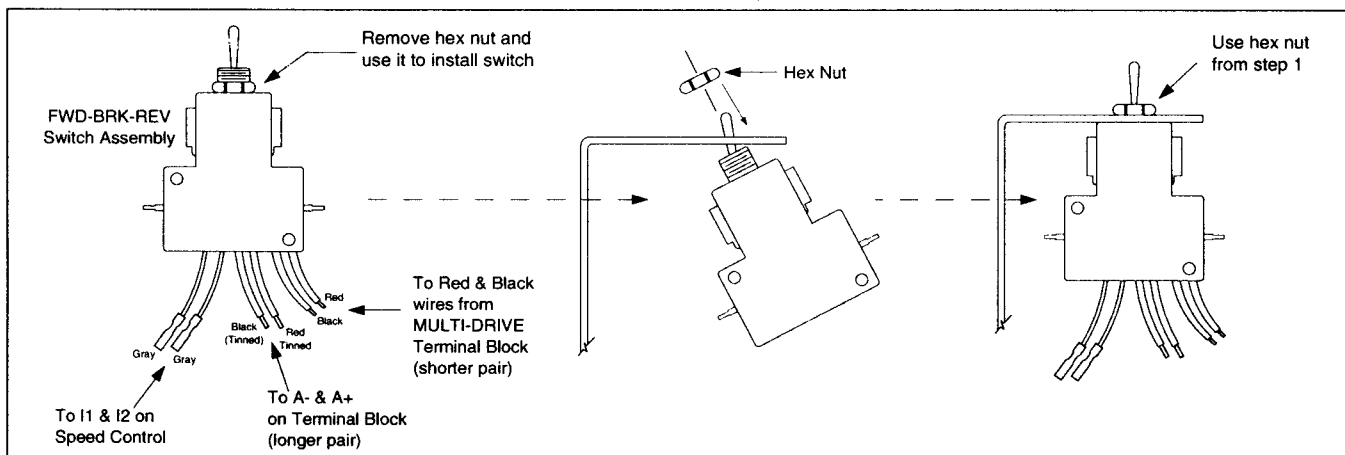## BC140 FORWARD-BRAKE-REVERSE SWITCH (Catalog No. BC144)

(Tools Required: 1/4" Flat Blade Screwdriver, Long Nose Pliers, 9/16" Nut Driver)

1. Remove (2) 6-32 front screws and slide off front cover of BC140

2. Remove hole plug from front panel.

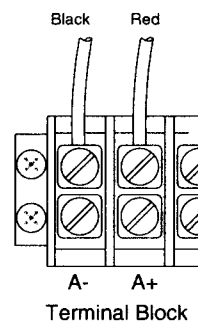3. Remove hex nut from FWD-BRK-REV switch. **Use this nut to install switch.**

   Note: An additional nut (identical to the one supplied on the switch) is enclosed in the hardware bag in the event the original is misplaced.

4. Slide FWD-BRK-REV switch assembly into front panel. Install with 15/32" hex nut (supplied). Tighten assembly with 9/16" nut driver. (See fig. 1a, b & c) (Do not overtighten nut or threads will strip.)
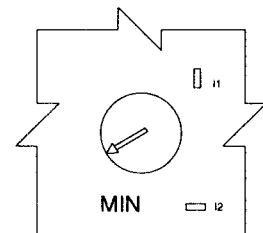
LEFT SIDE VIEW OF BC140

5. Remove red and black leads from terminal block of control (A– and A+). Connect these leads to the shorter pair of red and black wires from the FWD-BRK-REV switch assembly. Be sure to connect red wire to red wire and black wire to black wire. Use two (2) wire connectors or two (2) crimp terminals (provided).
   Note: To conform to CE requirements crimp terminals must be used.

Use screwdriver to remove these wires from Terminal Block and connect to shorter pair of Red & Black wires from FWD-BRK-REV Switch

6. Connect the other pair of red/black tinned leads back to terminal block of control (black to A–, red to A+)

7. Install two (2) gray wires from FWD-BRK-REV switch assembly (wires are terminated with P/N 2-520272-2 Amp, .110 insulated Q-D fast-ons) to the I1 and I2 terminals of the speed control using long nose pliers. (Note: I1 and I2 are located at the top right and bottom right side of MIN trimpot.)

8. Place FWD-BRK-REV switch in FWD position. Installation is now complete.

Position of I1 & I2 terminals of Speed Control

WARNING! Allow Motor To Stop Before Reversing.