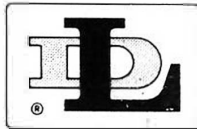
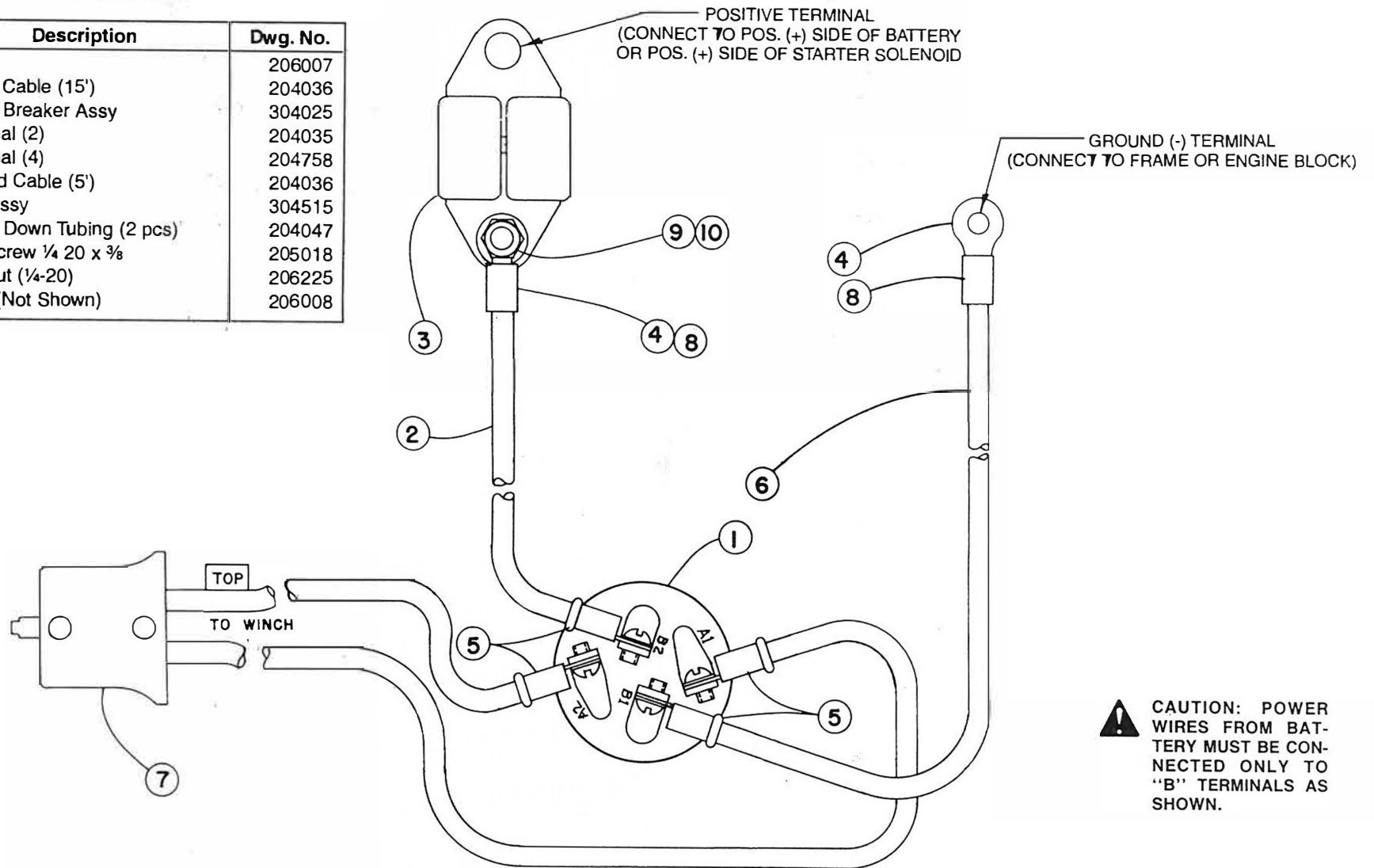


WIRING DIAGRAM

3-Position Remote Switch

PARTS LIST

No.	Description	Dwg. No.
1	Switch	206007
2	Power Cable (15')	204036
3	Circuit Breaker Assy	304025
4	Terminal (2)	204035
5	Terminal (4)	204758
6	Ground Cable (5')	204036
7	Plug Assy	304515
8	Shrink Down Tubing (2 pcs)	204047
9	Cap Screw 1/4 20 x 3/8	205018
10	Hex Nut (1/4-20)	206225
12	Label (Not Shown)	206008



A Dependable Company Since 1886

DUTTON-LAINSON COMPANY

Hastings, NE 68902 U.S.A. • Tel 402-462-4141 • Fax 402-460-4612
www.dutton-lainson.com • E-mail: dlsales@dutton-lainson.com

Dwg. No. 206010C 2/02

©2002 THE CORNHUSKER PRESS

ASSEMBLY INSTRUCTIONS

1. Determine a convenient location for mounting the three position rotary switch (possibly on the vehicle dashboard).

WARNING: THIS SWITCH MUST BE PERMANENTLY MOUNTED. IT IS NOT FOR HAND-HELD USE.

Be sure that sufficient room exists for the wires on the back side of the switch and for the "IN - OUT" decal on the front of the switch mounting surface. Drill a 1/2" diameter hole through the switch mounting surface, but do not install the switch at this time.

2. Install the plug assembly (#304515) found in the package of wiring and switch components into the switch pocket in the winch housing. This may be a tight fit and a wiggling motion while inserting and removing the plug may be helpful. The wire marked "TOP" must be toward the top of the winch. Feed the ends of the two wires from the plug assembly to the location where the remote switch will be mounted. If installing the winch and the switch in a vehicle, make certain the wires are not located near the exhaust system, or any hot or moving parts. Wires should be fastened securely and without slack. To maximize winch performance, cut off any excess wire length. Note: 10 ft. long leads are supplied. If by chance this is not long enough for your application, it will be necessary to splice more 8 ga. wire to the plug assembly. Strip the insulation from the ends of both wires approximately 3/8" and crimp an insulated terminal (#204758) onto both wires.
3. Locate the 15 ft. long power wire and 5 ft. long ground wire and strip back the insulation approximately 3/8" on one end of each wire. Crimp an insulated terminal (#204758) onto each wire and connect all four of the wires to the back of the switch in the location shown in the wiring diagram. Remove the screw that holds the switch lever to the switch, and remove the lever, nut and lockwasher. Position the "IN-OUT" decal over the hole in the mounting surface. Install the switch stem through the mounting hole, orient so that the lever will be centered between "IN and OUT" and secure with the lockwasher and nut. Replace the switch lever and screw.

Caution: Be certain that the terminals on the back of the switch cannot come in contact with any metal objects.

4. Route the power wire (15 ft. positive lead) to the positive terminal of the battery. Route the ground wire (5 ft. negative lead) to the negative terminal of the battery, or in a vehicle, to a convenient ground location. Secure the wires without slack away from the exhaust system or any hot or moving parts. Cut off any excess wire length (or splice on additional wire if necessary) and strip the insulation from the ends of the wires approximately 3/8". Slip a piece of shrink tubing over the end of each wire and crimp a non-insulated terminal (#204035) onto each wire. Slide the shrink tubing over the crimped area of the terminals and carefully heat, using a cigarette lighter or match, until the tubing has tightened down on the terminal and wire. Attach the circuit breaker assembly to the end of the power (positive) wire with the 1/4" cap screw, lockwasher and nut. Fasten the other end of the circuit breaker to the positive (+) battery terminal (if nut and bolt type) or to the battery side of the starter solenoid. Attach the ground wire to the negative (-) battery terminal or a convenient ground location. Make certain you have a clean, tight connection.
5. To operate winch, rotate switch as indicated "IN" or "OUT." Leave vehicle engine running on fast idle as a precaution in case the battery is not in top condition. If the winch is positioned out of view from the operator, it is recommended that a second person be positioned as an observer to avoid tangled cable or winch overload. If the winch will not be used for an extended amount of time, it is advisable to disconnect the plug to avoid accidental operation.

WARNING: EVEN THOUGH THE SWITCH IS EQUIPPED WITH CIRCUIT BREAKER OVERLOAD PROTECTION, PARTICULAR CARE SHOULD BE TAKEN NOT TO CREATE AN OVERLOAD. PAY ATTENTION TO THE SOUND OF THE WINCH AND OF THE LOAD BEING PULLED. MAKE CERTAIN THAT THE CABLE TENSION DOES NOT RISE SUDDENLY BECAUSE OF A BIND IN THE LOAD.

WARNING: NEVER ALLOW CHILDREN, OR ANYONE WHO IS NOT FAMILIAR WITH THE OPERATION OF THE WINCH, TO USE IT.