

This kit provides a Delco-Remy solenoid shift starter assembly, which may be used on Command, Magnum, and Aegis engines.



WARNING: Accidental Starts!

Disabling engine. Accidental starting can cause severe injury or death. Before working on the engine or equipment, disable the engine as follows: 1) Disconnect the spark plug lead(s). 2) Disconnect negative (-) battery cable from battery.

This Kit Contains -

Qty.	Description
1	Starter Assembly
1	Installation Instructions

To Install -

1. Disconnect the leads attached to the existing starter assembly and remove the two hex. flange screws that mount the starter to the crankcase. Save the screws and discard the old starter.
2. Install the new starter and secure with the two hex. flange screws. Torque the screws to **15.3 N·m (135 in. lb.)**.
3. For most engine applications, the leads can be reconnected to the new starter just as they were to the old one. For Exmark or Toro commercial mower applications, proceed to the note after step 4. The post terminal on the solenoid of the Delco starter is copper. To avoid damage or breakage, do not overtighten the hex. flange nut when attaching the positive battery cable and B+ lead. Torque the nut to **8-11 N·m (71-97 in. lb.)**.
4. Reconnect the spark plug lead(s) and negative (-) battery cable. Test starter operation.

NOTE: For Engine Specs: 61516, 61520, 61549, 61557, 62567, 64531, 64616, 65516, 65520, 65553, 66529, 67516, 67542, 68543, 68606, 75524, 75526, and 76513, the starter solenoid was activated by a second solenoid on the equipment. See Figure 1. When installing this new Delco-Remy starter, the lead between the "S" terminal and the battery voltage stud on the solenoid **must** be eliminated, to avoid potential starter run-on and premature failure. Follow steps 5 and 6 to relocate the leads, so the new starter will perform properly.

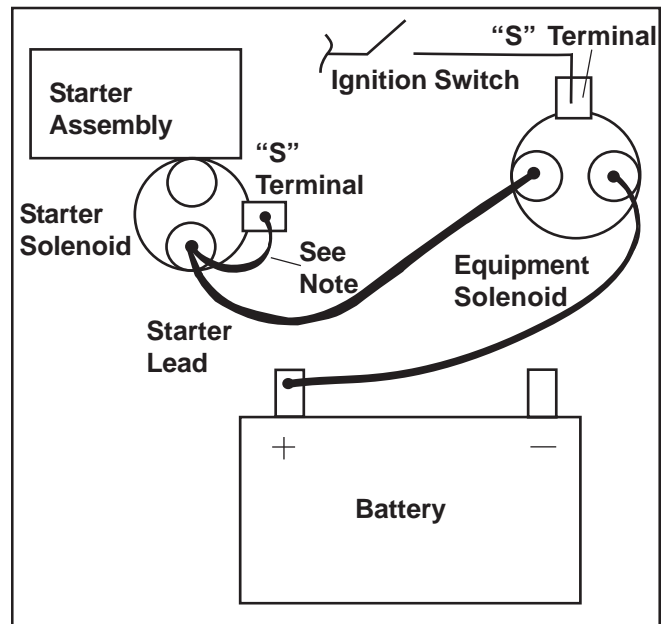


Figure 1.

5. Refer to the new wiring diagram, Figure 2. Relocate the solenoid "S" terminal lead and the main starter lead, to match the diagram. For some applications, it may be necessary to fabricate a new, longer "S" terminal lead. Use 14 gauge wire. Tighten all electrical connections securely. The post terminal on the solenoid of the Delco starter is copper. To avoid damage or breakage, do not overtighten the hex. flange nut when attaching the positive battery cable and B+ lead. Torque the nut to **8-11 N·m (71-97 in. lb.)**.

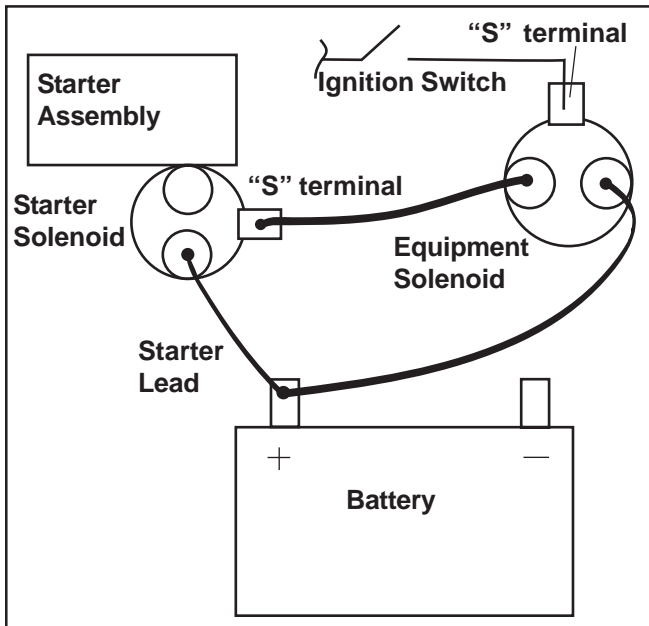


Figure 2.

6. Reconnect the spark plug lead(s) and negative (-) battery cable. Test starter operation.