

## ***Gear Reduction High Performance Starter Ford Applications***

### **Installation Kit #3 Parts List**

One (1) Connector Terminal w/wire for Solenoid  
One (1) Round Spacer  
One (1) Housing Spacer

Congratulations on buying one of the latest innovations in starter technology. This starter offers high torque, through Gear Reduction at a compact lightweight size. Installation of this starter is similar to the original OEM starter.

- This starter is designed for use on Ford applications.
- This starter is designed for ***12-VOLT systems only!!*** Use of this starter with higher than 12 VOLTS or long periods of cranking will damage starter and void warranty. **NOTICE: Never operate the starter motor more than 30 seconds at a time without pausing to allow it to cool for at least 2 minutes. Overheating, caused by too much cranking, will damage the starter motor.**
- To maximize starters output and life, inspect ring gear before installing to look for wear and/or damage.
- This starter can be indexed to move its solenoid to 3 different positions to accommodate custom header installations. To do so, remove the 3 screws {(2) Hex head, (1) Allen} holding the mounting block in place. Rotate starter to desired location, then reinstall the three screws. Torque to 2.5ft lbs. – 3.6ft lbs.

### **INSTALLATION INSTRUCTIONS**

1. ***REMOVE GROUND CABLE FROM BATTERY.***
2. Remove original starter by disconnecting cable and mounting bolts.
3. Inspect ring gear for wear and/or damage.
4. Position new starter on the engine.
5. Re-use the 2 starter mounting bolts from your original starter (torque to 31-ft. lbs.).
6. Connect wiring (See Solenoid Hookup).
7. Reconnect battery ground cable.
8. Test for proper installation by starting vehicle 4-6 times, listening for proper engagement.

Optional:

**Spacers installation** Remove rectangular mounting block and place the 2 spacers as shown on figure 1 and re-assemble mounting block

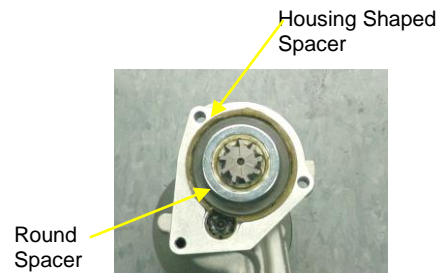


Figure 1

## SOLENOID HOOK-UP

1. Remove nut and washer from B-Terminal.
2. Connect positive battery cable from the remote solenoid to the B-Terminal on the starter solenoid.
3. Attach the yellow connector wire provided in the installation kit to the B-Terminal.
4. Reattach nut and washer to B-Terminal.
5. Connect yellow wire to spade terminal on starter solenoid. (See figure 2)

