



INSTALLATION INSTRUCTIONS

Part Description: Ford PMGR starters

Part Number: 51320BG

BATTERY LEADS MUST BE DISCONNECTED PRIOR TO STARTER INSTALLATION

Make sure the mounting surface of the engine is clean and smooth.

Hold starter motor into position at engine block. Install (2) mounting bolts. Tighten to 38 ft lbs.

Note: Before operating starter, gear clearance must be checked

This starter motor is designed for 12 volt – negative ground electrical systems.

CAUTION: NEVER OPERATE THIS STARTER MOTOR MORE THAN 30 SECONDS AT A TIME WITHOUT ALLOWING IT TO COOL FOR AT LEAST TWO MINUTES. OVERHEATING CAUSED BY TOO LONG OF A CRANKING PERIOD WILL DAMAGE THE STARTING MOTOR.

1. Disconnect the negative battery cable.
2. Remove the starter cable from the starter relay (see figure) and reconnect it to the opposite terminal on the relay. The battery cable and the starter cable will now be on the same relay terminal.
3. Attach the #12 lead to the starter relay post where the starter cable was removed. Route this wire along the starter cable and secure with wire ties supplied in the kit.
4. Remove the field-wound starter.
5. Remove the starter cable from the starter.
6. Enlarge the starter cable terminal hole to 5/16" and flatten (or remove anti-rotational tabs if they are present on the starter cable).
7. Install the permanent magnet starter.
8. Attach the starter cable to the starter solenoid terminal using the nut.
9. Attach the #12 lead to the starter solenoid blade terminal (switch terminal). Make sure the connection locks into place.

