

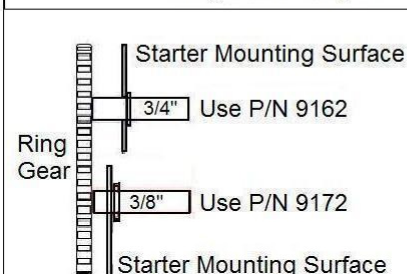
**P/N's 9162 / 9172**  
**OEM Replacement for Stock Engines**  
**NOT for use w/ HI Compression Engines**

**INSTRUCTIONS**  
**SB FORD PMGR**

**MATERIALS:**

- One (1) Starter
- One (1) #12 Gauge Wire (red)
- One (1) Nut
- Four (4) Wire ties

**Measure Ring Gear Depth**



If shim is needed use  
Dorman #02359 or  
Balkamp # 6551188



**Do Not use a Jumper Wire on  
PMGR Starter Solenoid**



**Starter will not disengage  
properly w/ jumper wire**

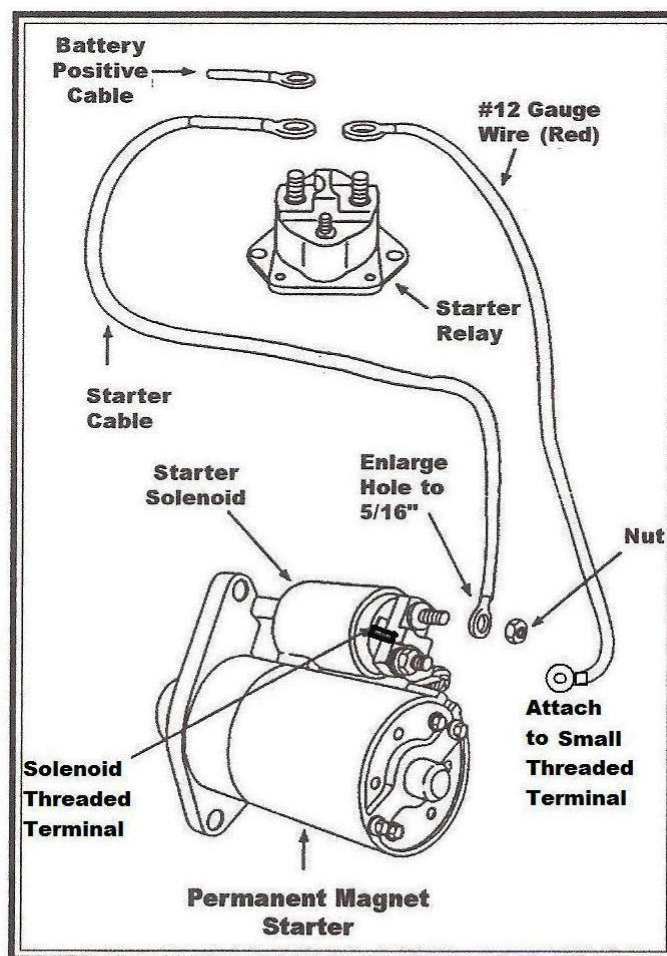
These Powermaster PMGR starters are NOT Intended for use on HI Compression Carbureted Engines. These engines can kick back and cause Starter Failure. This is NOT covered under warranty. These starters are designed to replace OE starters on EFI Engines up to 10:1 compression. Though its size is small, its performance is greater than the OE starter. These starters use permanent magnets instead of field coils. Using a jumper on the Solenoid terminal to the Battery terminal will cause starter to stay engaged. If using an OE type Ford remote solenoid, use wiring kit supplied, and follow instructions below.

**Important**

**Measure Flywheel Ring Gear Depth  
before Installing Starter**

**INSTRUCTIONS**

1. Disconnect the negative battery cable.
2. Remove the starter cable from the starter relay (see figure) and connect it to the opposite terminal (pos) on the relay. The battery cable and starter cable will now be on the positive relay terminal.
3. Attach the #12 red wire (supplied in the kit) to the starter relay post where the starter cable was removed. Route this wire along the starter cable and secure with the supplied wire ties.
4. Remove the old starter.
5. Remove the starter cable from the starter.
6. If applicable, enlarge the cable terminal to 5/16" and clip anti-rotational tabs off.
7. Measure ring gear depth (see depth inst sheet)
8. Install the Powermaster PMGR starter.
9. Attach the battery cable to the battery terminal on solenoid.
10. Attach the #12 red wire to the small threaded switch terminal on the solenoid. Make sure connections are secure, but do not over tighten.
11. Connect negative cable on battery. Crank engine.



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