

# Ford SB Denso Starter INSTRUCTIONS



XS Torque  
9503, 9504  
Mastertorque  
9603, 9604  
Ford Small Block  
289, 302, 351W&C



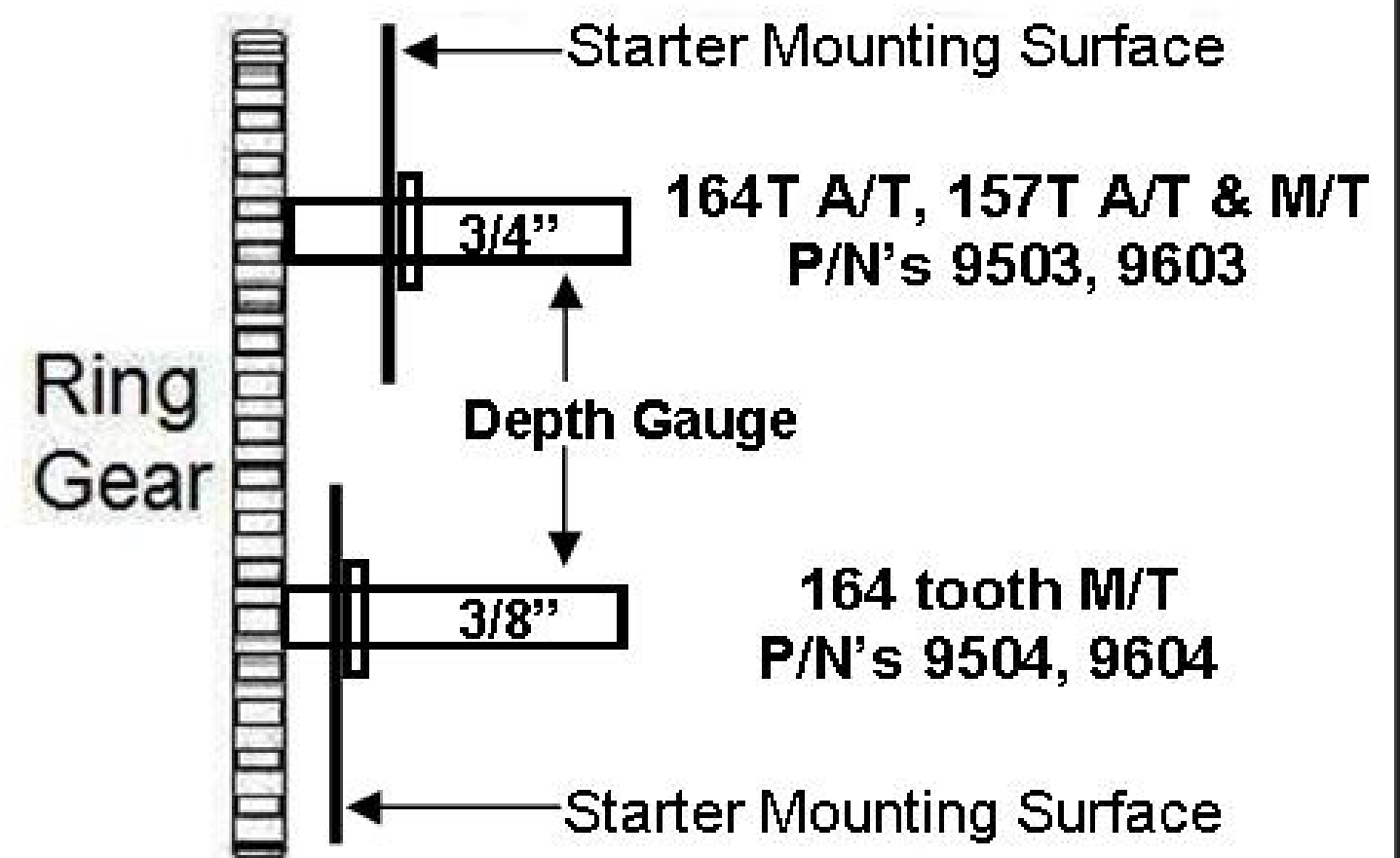
## !! WARNING !!

**!! MEASURE RING GEAR DEPTH BEFORE INSTALLING STARTER !!**

### Pre-installation Checks

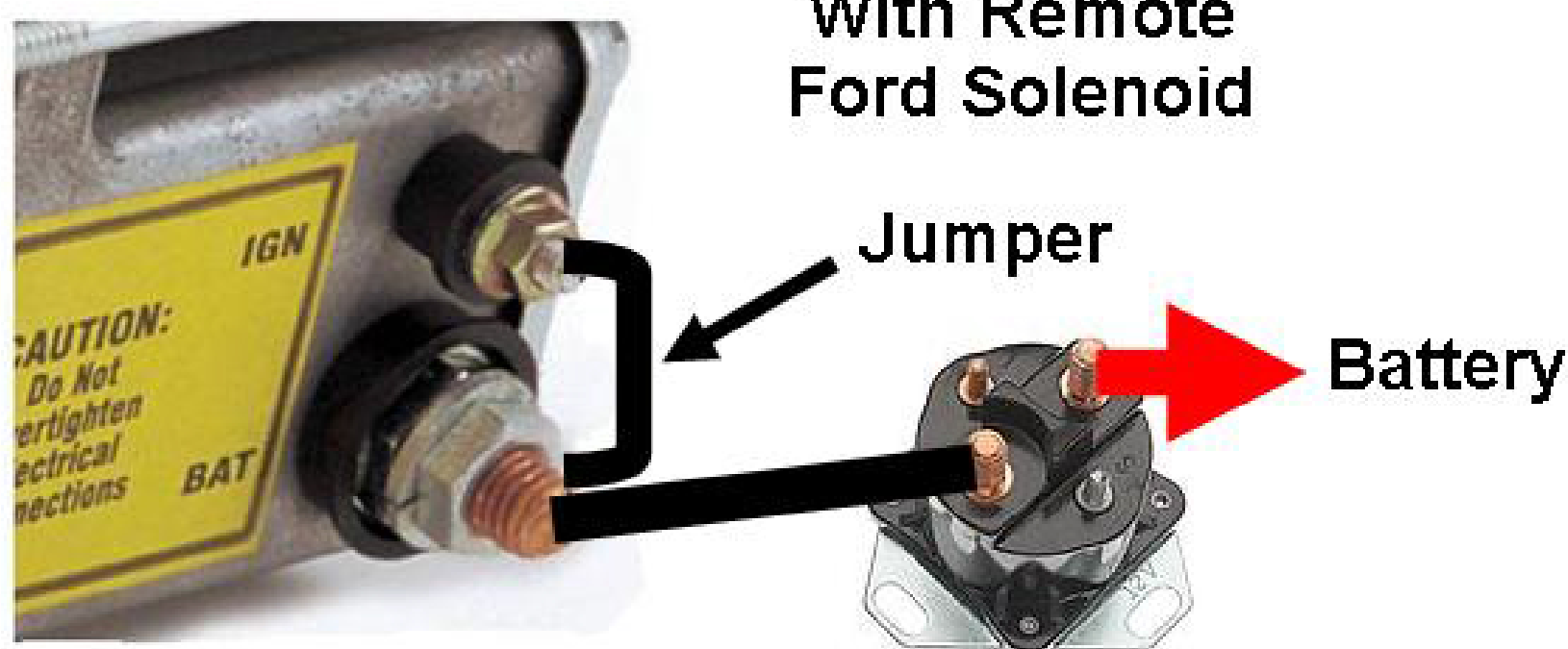
Before installing starter measure flywheel ring gear depth. Measure from the engine side of ring gear to the starter mounting surface. Refer to chart on right of page for correct distance. Distance between starter Pinion Gear and flywheel Ring Gear must be  $1/16$ " , if less add Internal Shim (See Infi-clock instruction sheet)

Rotate flywheel  $360^\circ$  and check for damaged ring gear teeth. Worn or damaged teeth will cause starter damage. Replace ring gear if needed.



**Wiring Instructions:** Vehicles with remote Ford solenoid, use a jumper wire (12 Gauge) to connect Battery and Ign terminal as shown in the illustration below. Then connect the starter cable from the Ford solenoid to the Battery terminal on starter.

**(Optional Wiring)** Vehicles without remote Ford solenoid, connect battery cable to Battery Post on starter. Then connect a 12 gauge wire from the start switch to the Ign terminal on the starter. (Do Not use Jumper Wire)



### Battery Condition:

Charge and Load Test Battery. A weak or discharged battery can cause starter failure.

### Grounds:

Battery must be grounded to engine block.

### Cables and Wiring:

All terminals should be crimped and soldered. Connections clean and tight.

**Do Not over tighten small Ign terminal on starter.**

**Failure to follow these instructions may void your warranty**