

GEN II COMPUFIRE STARTER INSTALLATION INSTRUCTIONS

IMPORTANT NOTICE:

To avoid possible damage to your ring gear, pinion gear or starter clutch we recommend using an ignition system that does not fire on the first two revolutions of the engine. Also a ground battery cable from the grounding stud on the frame to the starter mounting flange is recommended.

STARTER REMOVAL:

- 1 - Remove seat per OEM instructions. **WARNING:** To avoid accidental shock and damage to the electrical system disconnect the battery ground cable and spacer at this time.
- 2 - Drain primary and remove outer primary cover per OEM instructions.
- 3 - Bend the tab on the lockplate away from the head of the jackshaft bolt. Hold the pinion gear and remove the jackshaft bolt, lockplate and thrust washer.
- 4 - Remove front starter socket head mounting screw and washer. Remove rear socket head mounting screw, washer, battery negative and chassis ground cables.
- 5 - Remove battery positive cable and main circuit breaker terminal from starter post. (Top of solenoid) Depress external latch and remove solenoid connector from top of starter housing.
- 6 - Remove starter.

NEW STARTER INSTALLATION:

NOTE: Your new GEN II CompuFire starter does not require the starter coupling on the output shaft. Remove it before starter installation.

- 1 - Install the starter starting with the front socket head screw and washer. Insert rear socket head screw and washer into chassis ground and battery negative terminals and install. Alternately tighten front and rear socket head screws to 13-20 ft.lbs.
- 2 - Install battery positive cable (65-80 in.lbs.) and main circuit breaker terminals onto starter post using new nut and washer supplied. Reinstall rubber boot over starter post.
- 3 - Connect solenoid connector to solenoid spade terminal.

4 - Apply anti-seize to the jackshaft bolt and insert bolt with lock plate and washer into jackshaft bore. Insert key on lockplate through slot in the thrust washer and into the keyway on jackshaft. Thread bolt into the starter shaft making sure the lockplate key remains in the keyway.

Note: Do not use Loctite or any thread cement on bolt.

5 - Hold the pinion gear to prevent rotation and tighten jackshaft bolt to 7-9 ft.lbs. Bend the tab on lockplate against flat of bolt head to secure.

6 - Install the outer primary per OEM instructions. Refill primary case with mfg. recommended lube.

7 - Reinstall the battery ground cable with spacer and tighten to 40 in.lbs..

8 - Reinstall seat.