POWERMASTER *Performance* **STARTERS & ALTERNATORS**

Ph. 800-862-7223
1833 Downs Drive
West Chicago, IL 60185
www.powermastermotorsports.com

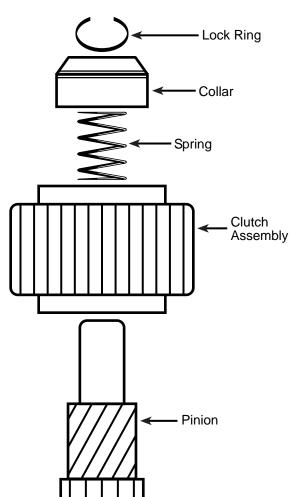# INSTRUCTION SHEET
PN 603 Chevy Racing Starter Pinion
PN 601 Chevy Racing Starter Solenoid

Part #603 Chevy Racing Starter Pinion

Lock Ring

Collar

Spring

Clutch Assembly

Pinion

1. **Remove the three bolts holding the front block on the starter. (Note: On some starters the third bolt may be accessible only from inside the field housing. Changing a pinion on this type of starter can be done with ordinary tools but it is difficult and recommended for trained technicians only.)**
2. **Pull the pinion assembly out of the starter.**
3. **Stand the assembly up on its pinion with the collar in the air.**
4. **Using a small hammer, tap the collar down to expose the lock ring.**
5. **Using pliers or preferrably a pair of side cutters, pull the lock ring off of the shaft.**
6. **Pull the old pinion out and replace it with the new one.**
7. **Slightly stretch the new lock ring and work it down the shaft into the groove. Pinch the lock ring tightly on the shaft with pliers.**
8. **Snap the collar back over the lock ring. Use two pairs of pliars for this, snapping the collar up from both sides at the same time.**
9. **Put the pinion assembly back in the starter.**
10. **Replace the front block.**

Part #601 Chevy Racing Starter Solenoid

1. **Remove starter motor wire from solenoid.**
2. **Remove the two bolts holding the solenoid housing.**
3. **Remove solenoid. Take care to leave the coil spring and plunger in the starter housing. This makes the job much easier.**
4. **Install the new solenoid and shims. Note the two small holes on the solenoid that the spring engages into.**
5. **Replace bolts and starter motor wire.**