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Installation Instructions for Speedway Motors Starter GM LS Series

Before installing your new starter make sure the battery cables are disconnected. When disconnecting the battery cables always disconnect the negative cable first and reconnect it last.

1. Make sure that the mounting surface on the engine block is clean and smooth.

2. Install the starter (you will notice two sets holes in the mounting block, use the holes that are appropriate for your application, either the small 153 tooth flywheel or the large 165 tooth flywheel).

Loosely install the engine mounting bolts at this time.

3. Reposition the starter rotation as necessary by removing the Allen head attachment bolts, rotate the starter to the desired location and replace the bolts securely.

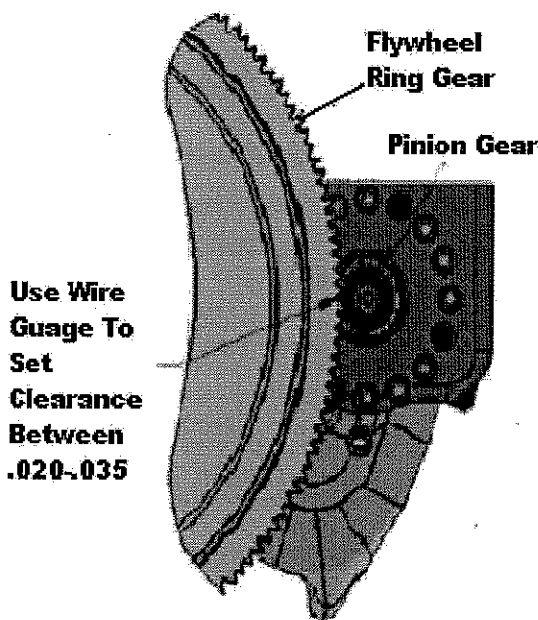
4. Check the pinion gear to flywheel mesh with a wire gauge. There should be .025 and .035 clearance between the gears. (A regular paper clip is approximately .035)

5. Once you have the installation positions set tighten the two engine mounting bolts. 32 pounds of torque is recommended

6. Attach the positive battery cable to the large stud on the starter.

7. Attach the "start" wire to the small lug.

9. This starter is NOT designed to be used in vehicles that use the older style electrical systems using a point type/ ballast resistor setup. If you are installing you new starter in an older system you must use a 10A/250V inline diode. You should seek advice from a technician familiar with your application for this option.



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