

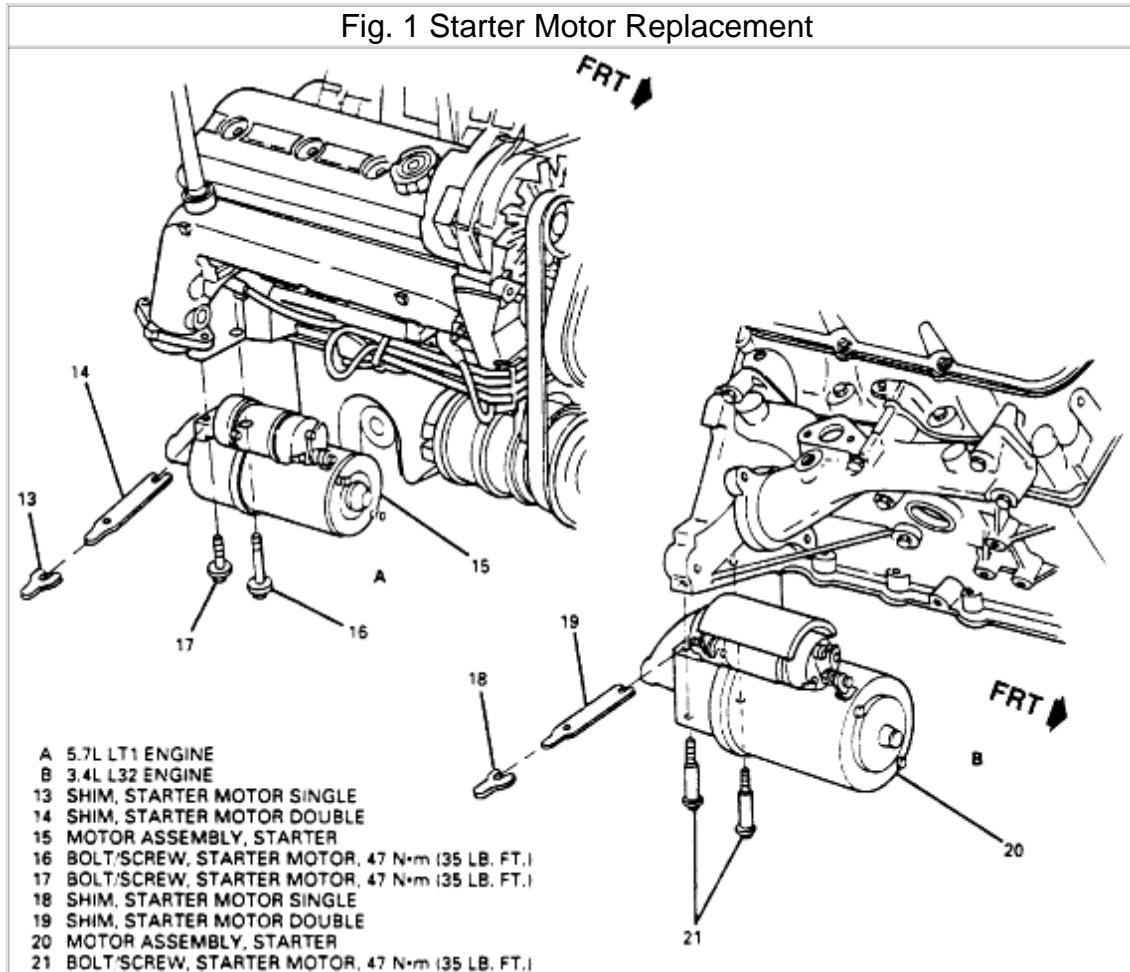
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1995 Pontiac Firebird V6-204 3.4L VIN S SFI
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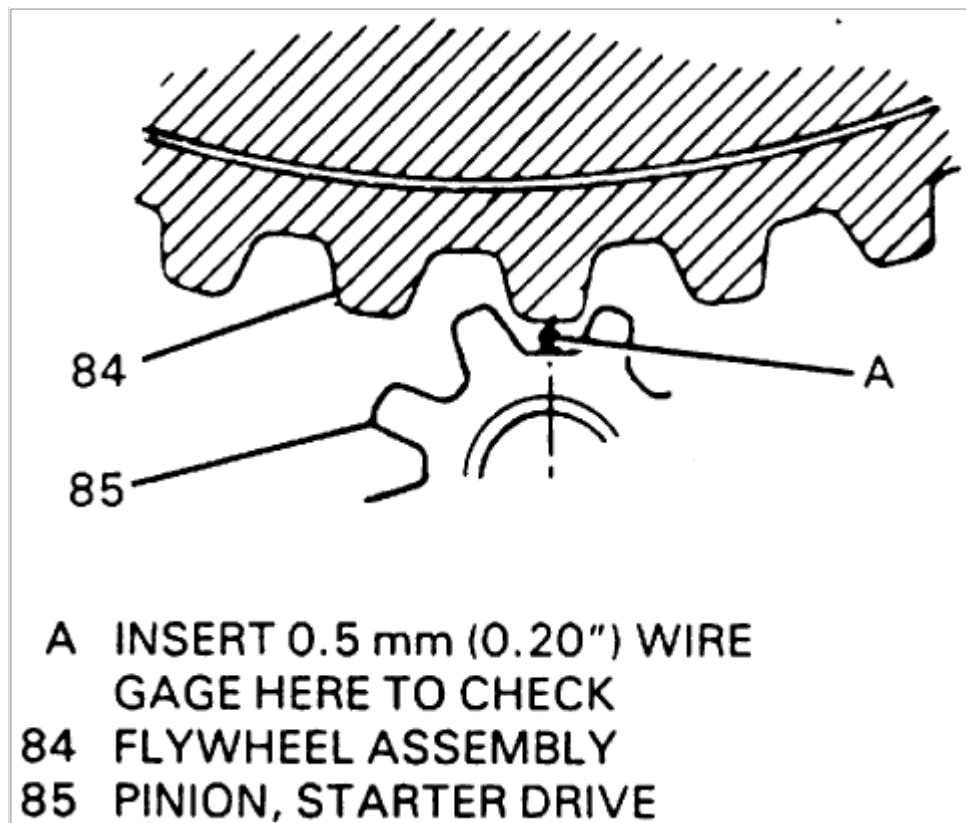
Service and Repair

[Notes](#)
Fig. 1 Starter Motor Replacement


Zoom

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Fig. 2 Flywheel Assembly To Pinion Clearance Inspection



Zoom

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This vehicle was designed for starter mounting without shims. If single or double shims have been added to correct a noise or engagement problem, they should be reinstalled in their original positions to ensure proper pinion to flywheel assembly engagement.

REMOVAL

1. Disconnect [battery](#) ground cable, then raise and support vehicle.
2. Disconnect exhaust crossover pipe at manifolds.
3. Remove starter motor mounting bolts and lower starter motor assembly, **Fig. 1**.
4. Disconnect electrical connectors from starter motor assembly, then remove starter motor assembly.

INSTALLATION

Before connecting electrical connectors, tighten inner nuts on the solenoid terminals. If the nuts are not tight, the solenoid cap may be damaged during installation of connectors. Torque inner nut of [BAT](#) terminal to 80 inch lbs.

1. Connect electrical connectors to starter motor assembly, then torque [BAT](#) terminal nut to 85 inch lbs. and S terminal nut to 25 inch lbs.
2. Install starter motor assembly and torque mounting bolts to 40 ft. lbs.
3. Measure pinion to flywheel clearance, **Fig. 2**, adding shims if necessary.
4. Connect exhaust crossover pipe to manifolds, then lower vehicle and connect

[battery](#) ground cable.

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1995 Pontiac Firebird V6-3.8L VIN K

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Service and Repair

[Notes](#)

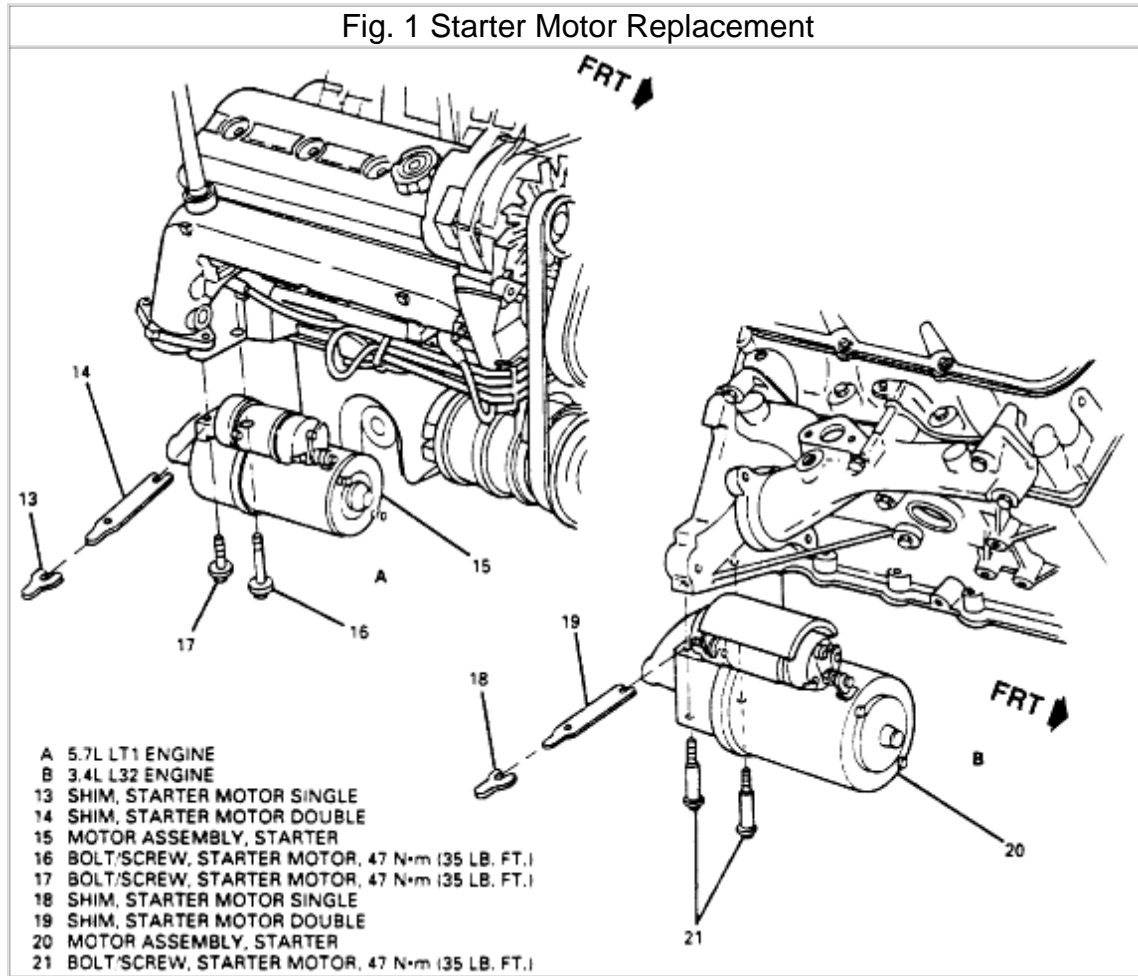
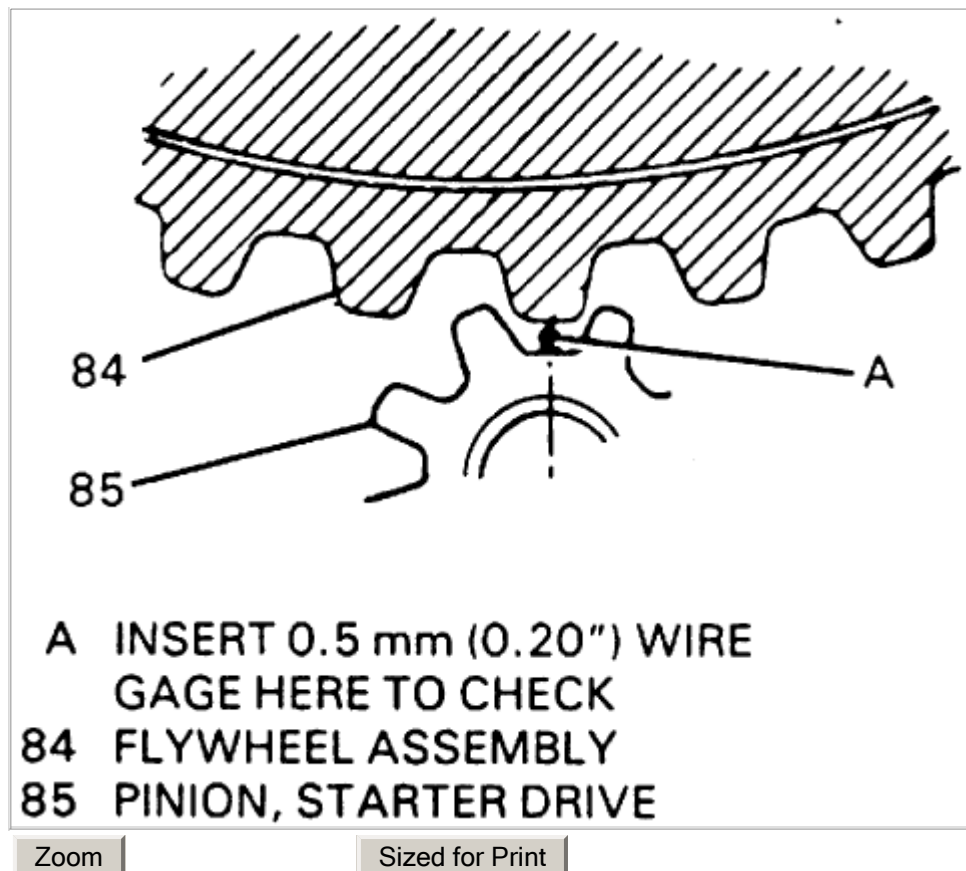


Fig. 2 Flywheel Assembly To Pinion Clearance Inspection



This vehicle was designed for starter mounting without shims. If single or double shims have been added to correct a noise or engagement problem, they should be reinstalled in their original positions to ensure proper pinion to flywheel assembly engagement.

REMOVAL

1. Disconnect [battery](#) ground cable, then raise and support vehicle.
2. Disconnect exhaust crossover pipe at manifolds.
3. Remove starter shield.
4. Remove starter motor mounting bolts and lower starter motor assembly, **Fig. 1**.
5. Disconnect electrical connectors from starter motor assembly, then remove starter motor assembly.

INSTALLATION

Before connecting electrical connectors, tighten inner nuts on the solenoid terminals. If the nuts are not tight, the solenoid cap may be damaged during installation of connectors. Torque inner nut of [BAT](#) terminal to 80 inch lbs.

1. Connect electrical connectors to starter motor assembly, then **torque** [BAT](#) terminal nut to 85 inch lbs. and S terminal nut to 25 inch lbs.
2. Install starter motor assembly and **torque** mounting bolts to 40 ft. lbs.
3. Measure pinion to flywheel clearance, **Fig. 2**, adding shims if necessary.
4. Install starter shield.

5. Connect exhaust crossover pipe to manifolds, then lower vehicle and connect [battery](#) ground cable.

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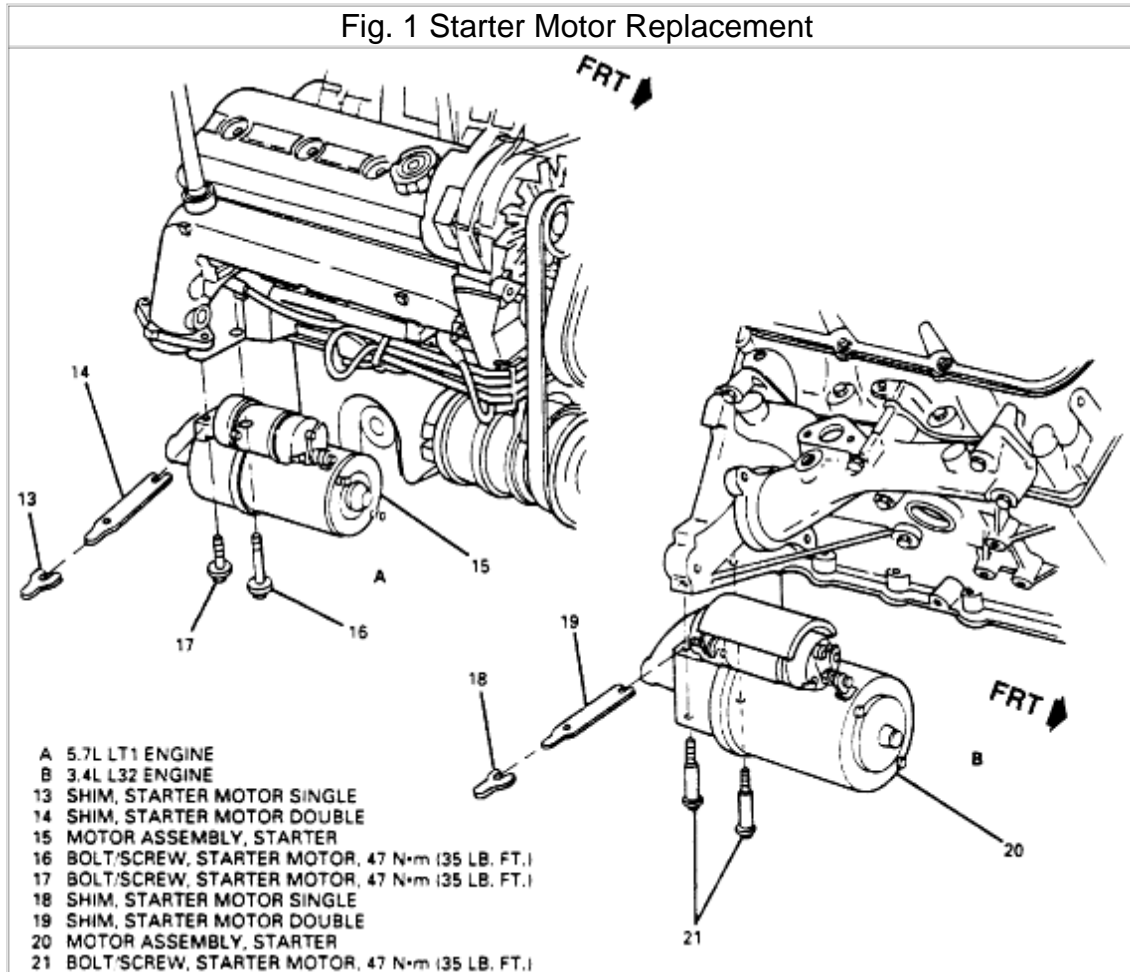
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 Conversion Calculator

1995 Pontiac Firebird V8-350 5.7L VIN P MFI
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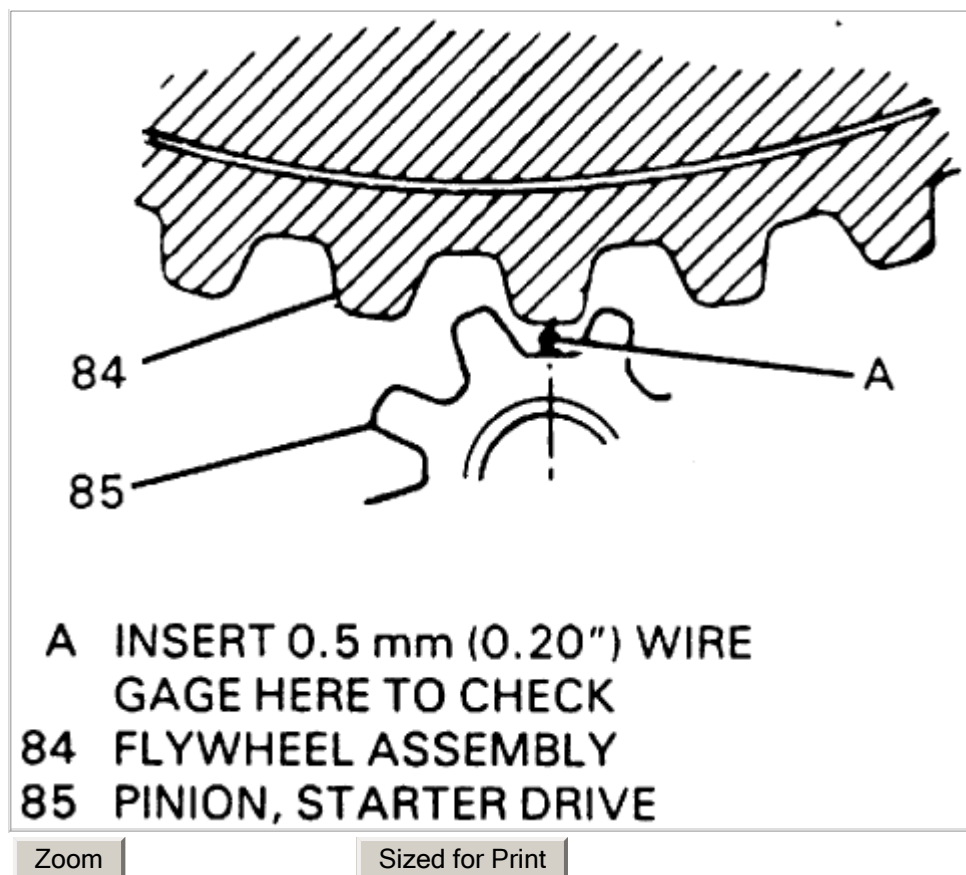
Service and Repair

[Notes](#)
Fig. 1 Starter Motor Replacement


Zoom

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Fig. 2 Flywheel Assembly To Pinion Clearance Inspection



This vehicle was designed for starter mounting without shims. If single or double shims have been added to correct a noise or engagement problem, they should be reinstalled in their original positions to ensure proper pinion to flywheel assembly engagement.

REMOVAL

1. Disconnect [battery](#) ground cable, then raise and support vehicle.
2. Disconnect exhaust crossover pipe at manifolds.
3. Remove starter motor mounting bolts and lower starter motor assembly, **Fig. 1**.
4. Disconnect electrical connectors from starter motor assembly, then remove starter motor assembly.

INSTALLATION

Before connecting electrical connectors, tighten inner nuts on the solenoid terminals. If the nuts are not tight, the solenoid cap may be damaged during installation of connectors. Torque inner nut of [BAT](#) terminal to 80 inch lbs.

1. Connect electrical connectors to starter motor assembly, then torque [BAT](#) terminal nut to 85 inch lbs. and S terminal nut to 25 inch lbs.
2. Install starter motor assembly and torque mounting bolts to 40 ft. lbs.
3. Measure pinion to flywheel clearance, **Fig. 2**, adding shims if necessary.
4. Connect exhaust crossover pipe to manifolds, then lower vehicle and connect

[battery](#) ground cable.

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