

SECTION 03-05 Drive Belts, Accessory

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VEHICLE APPLICATION

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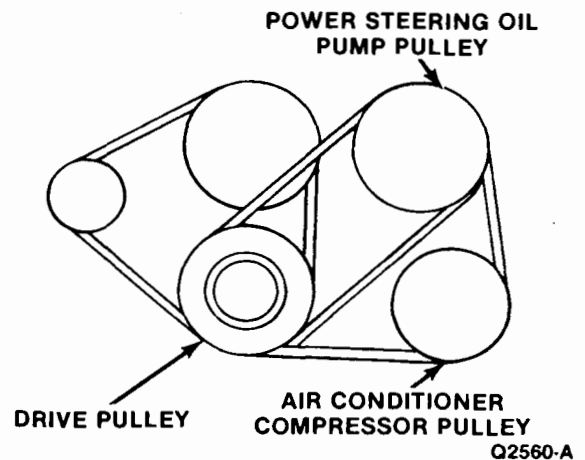
DESCRIPTION

A single V-belt drives the water pump and generator.

The power steering pump is separately driven by a single V-ribbed belt.

On vehicles equipped with both power steering and air conditioning, a single belt drives both.

Belts must be properly adjusted at all times. Loose belt(s) will result in slippage which may cause a noise condition or improper accessory operation (generator will not charge, etc.). Over-tightened belts will place an unnecessary load on the accessory bearings.



ADJUSTMENTS

Generator / Water Pump Drive Belt Tension

NOTE: If the drive belts have been in service for some time, inspect them before attempting an adjustment. Conditions requiring drive belt replacement are excessive wear, severe glazing, frayed cords, cracks, or oil contamination. Minor cracks in the back of the belt are considered acceptable.

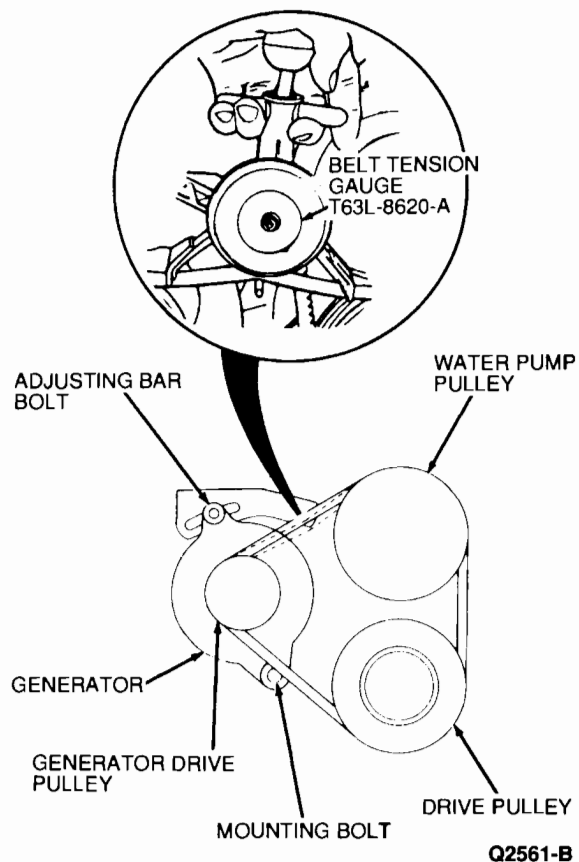
1. Inspect the condition of the drive belts.
2. Loosen the adjusting bar bolt and mounting bolt at the generator.

NOTE: When adjusting a V-belt of this type, position the tension gauge on the longest accessible span.

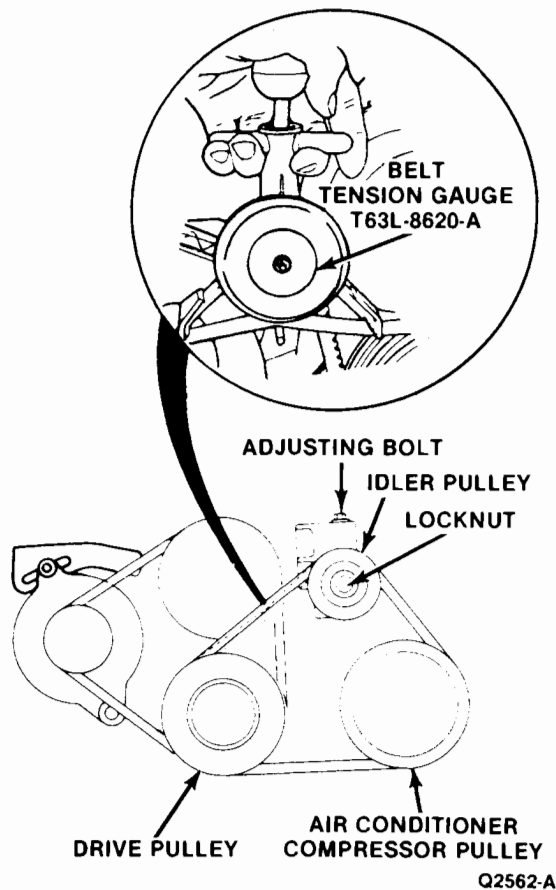
3. Adjust the tension of the belts, using the deflection method or Belt Tension Gauge T63L-8620-A and the following specifications:
 - New Belts** (no run time): 8-9mm (0.31-0.35 inch) deflection, with moderate pressure (98N, 10kg, 22 lb) applied, or 50-60 kg (110-132 lb) of tension, using a gauge.
 - Used Belts** (more than 10 minutes of run time): 9-10mm (0.35-0.39 inch) deflection, with moderate pressure (98N, 10kg, 22 lb) applied or 50-60 kg (110-132 lb) of tension, using a gauge.
4. Tighten adjusting bar bolt to 19-26 N-m (14-19 lb-ft) and mounting bolt to 37-52 N-m (29-38 lb-ft).

ADJUSTMENTS (Continued)

Vehicles Without A/C



Vehicles With A/C



Power Steering and Air Conditioning Drive Belt Tension

NOTE: If the drive belt has been in service for some time, inspect it before attempting an adjustment. Conditions requiring drive belt replacement are excessive wear, severe glazing, frayed cords, cracks, or oil contamination. Minor cracks in the back of the belt are considered acceptable.

1. Inspect the condition of the drive belt.
2. Loosen the locknut and adjuster bolt at the steering pump, as indicated.

NOTE: When adjusting a V-ribbed belt of this type, position the tension gauge on the longest accessible span, as indicated.

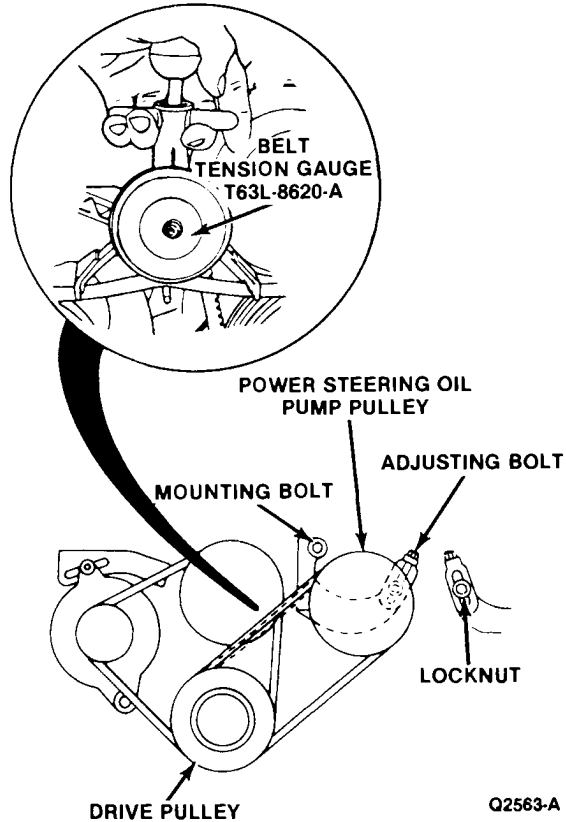
3. Adjust the tension of the belts, using the deflection method or Belt Tension Gauge T63L-8620-A and the following specifications:

New Belts (no run time): 8-9mm (0.31-0.35 inch) deflection, with moderate pressure (98N, 10kg, 22 lb) applied, or 50-60 kg (110-132 lb) of tension, using a gauge.

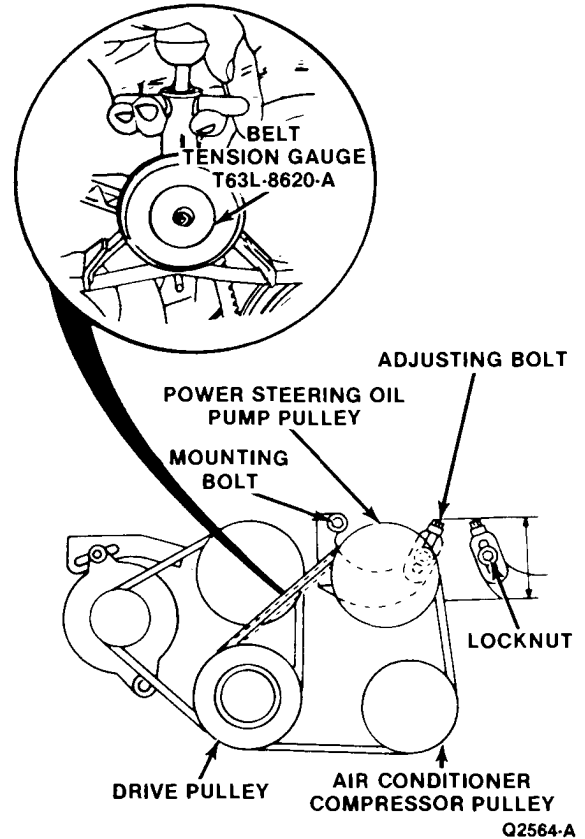
ADJUSTMENTS (Continued)

Used Belts (more than 10 minutes of run time):
8-9mm (0.31-0.35 inch) deflection, with moderate pressure (98N, 10kg, 22 lb) applied or 50-60 kg (110-132 lb) of tension, using a gauge.

4. Tighten locknut to 43-61 N·m (32-45 lb-ft).

Vehicles Without A/C

Q2563-A

Vehicles With A/C

Q2564-A

REMOVAL AND INSTALLATION**Drive Belt, Generator****Removal**

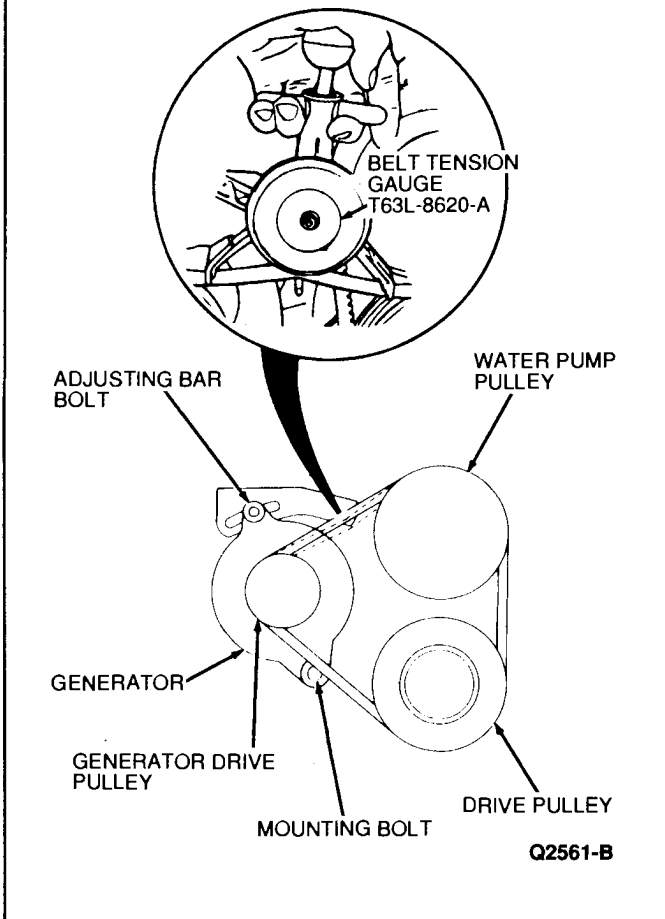
1. Remove power steering pump drive belt as outlined.
2. Loosen drive belt adjusting bolts at the generator and rotate the generator toward the engine. Remove drive belt.

Installation

1. Position drive belt over the pulleys on the crankshaft, generator and water pump.
2. Adjust the tension of the belt, using the deflection method or Belt Tension Gauge T63L-8620-A as outlined under Adjustments.
3. Tighten adjuster adjusting bar bolt to 19-26 N·m (14-19 lb-ft) and mounting bolt to 37-52 N·m (29-38 lb-ft).

REMOVAL AND INSTALLATION (Continued)

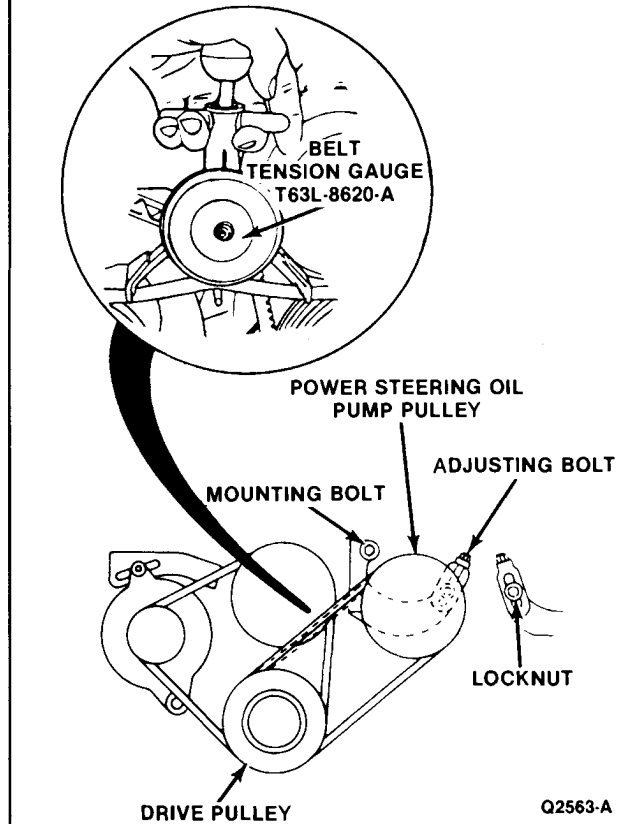
4. Install power steering drive belt as outlined.

**Drive Belt, Power Steering and Air Conditioning Removal**

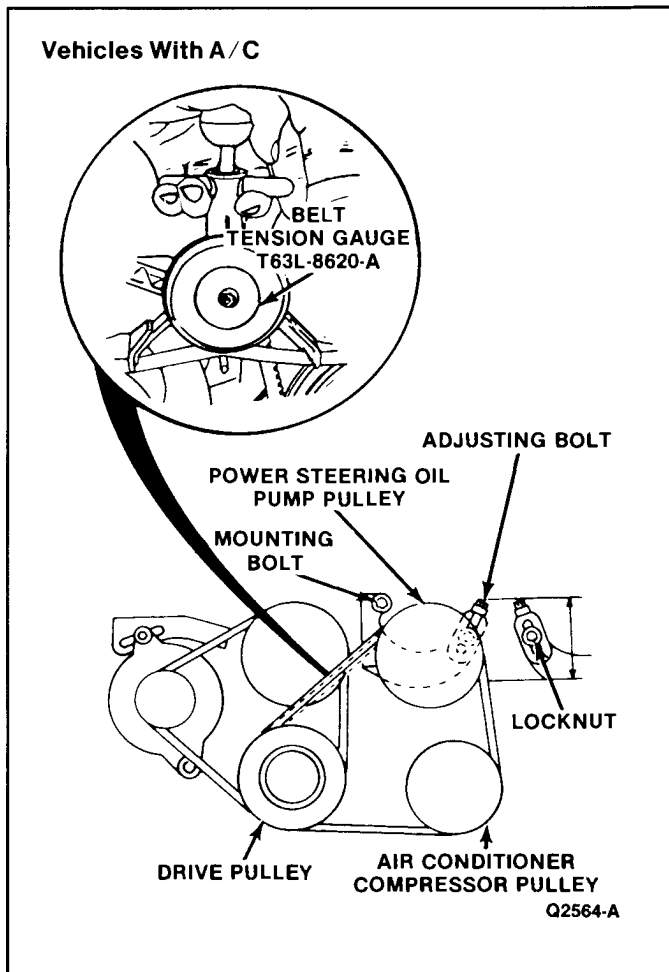
Loosen drive belt locknut and adjusting bolts at the power steering pump. Remove drive belt.

Installation

1. Position drive belt over the pulley on the crankshaft, power steering pump and A/C compressor, if equipped.
2. Adjust the tension of the belts, using the deflection method or Belt Tension Gauge T63L-8620-A as outlined under Adjustments.

Vehicles Without A/C

REMOVAL AND INSTALLATION (Continued)



SPECIFICATIONS

TORQUE SPECIFICATIONS

Description	N·m	Lb·Ft
Generator Adjusting Bar Bolt	19-26	14-19
Generator Mounting Bolt	37-52	29-38
Idler Pulley Locknut	43-61	32-35

SPECIAL SERVICE TOOLS

Tool Number	Description
T63L-8620-A	Belt Tension Gauge