

Inspection and Adjustment

Pump Belt

NOTE: When using a new belt, first adjust the deflection or tension to the values for the new belt, then readjust the deflection or tension to the values for the used belt after running engine for five minutes.

Inspection

Attach the belt tension gauge to the belt and measure the tension of the belt.

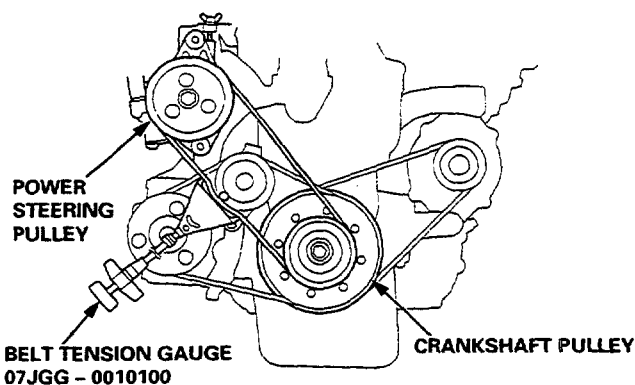
Tension:

Used Belt: 340 – 490 N (35 – 50 kgf, 77 – 110 lbf)

New Belt: 590 – 785 N (60 – 80 kgf, 132 – 176 lbf)

NOTE:

- If there are cracks or any damage evident on the belt, replace it with a new one.
- Follow the manufacturer's instructions for the tension gauge.



Inspect the pump belt for cracks or any damage. Replace the belt with a new one if necessary.

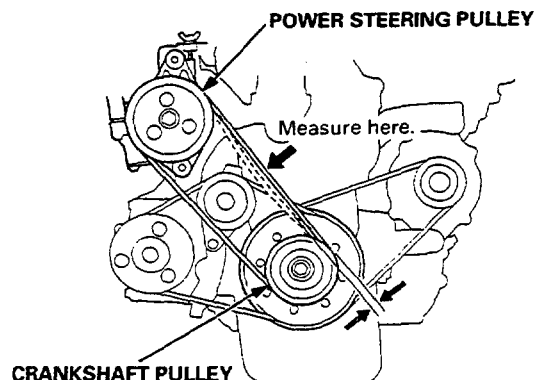
Measurement without Belt Tension Gauge:

Apply a force of 98 N (10 kgf, 22 lbf) and measure the deflection between the power steering pump and the crankshaft pulleys.

Deflection:

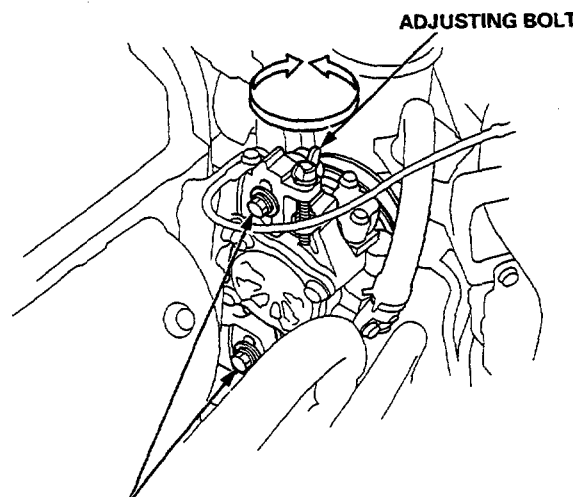
Used Belt: 8.0 – 12.0 mm (0.31 – 0.47 in)

New Belt: 5.5 – 8.5 mm (0.22 – 0.33 in)



Adjustment

1. Loosen the power steering pump mounting bolts.
2. Turn the adjusting bolt to get the proper belt tension, then retighten the bolts.
3. Start the engine and turn the steering wheel from lock-to-lock several times, then stop the engine and recheck the deflection of the belt.



PUMP MOUNTING BOLTS
24 N·m (2.4 kgf·m, 17 lbf·ft)