

Charging System

Alternator Belt Inspection and Adjustment

Deflection method:

Apply a force of 100 N (10 kg, 22 lbs) and measure the deflection between the alternator and crankshaft pulley.

Deflection: 9.5–11.5 mm (0.37–0.45 in)

NOTE:

- On a brand new belt (one that has been run for less than five minutes), the deflection should be 5.5–7.5 mm (0.22–0.30 in) when first measured.
- If there are cracks or any damage evident in the belt, replace it with a new one.

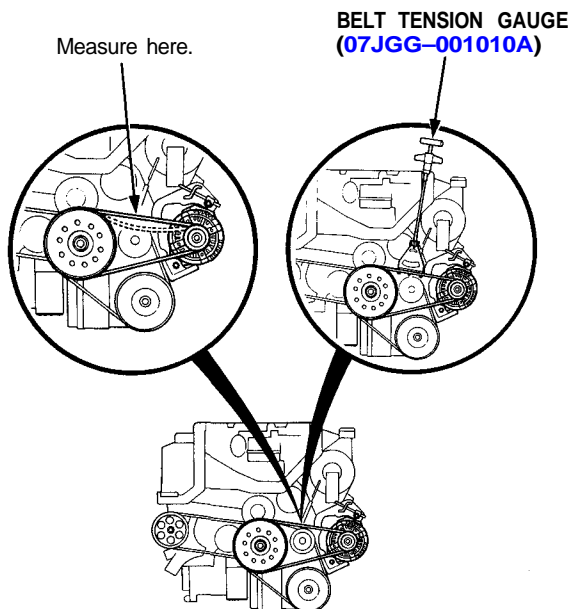
Belt tension gauge method:

Attach the belt tension gauge to the belt, and measure the tension. Follow the gauge manufacturer's instructions.

Tension: 350–550 N (35–55 kg, 77–121 lbs)

NOTE:

- On a brand-new belt (one that has been run for less than five minutes), the tension should be 750–900 N (75–90 kg, 165–198 lbs) when first measured.
- If there are cracks or any damage evident in the belt, replace it with a new one.



If adjustment is necessary:

1. Loosen the lower mounting bolt and the adjusting lock bolt.
2. Move the alternator by turning the adjusting rod to obtain the proper belt tension, then retighten the bolts.
3. Recheck the deflection or tension of the belt.

