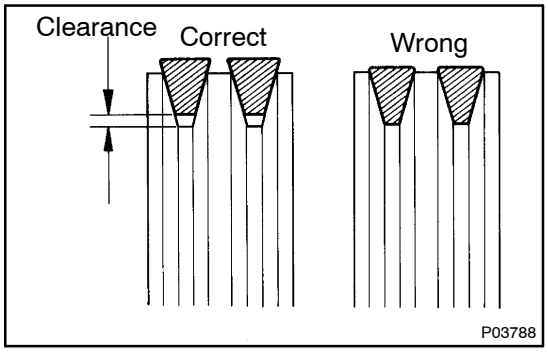


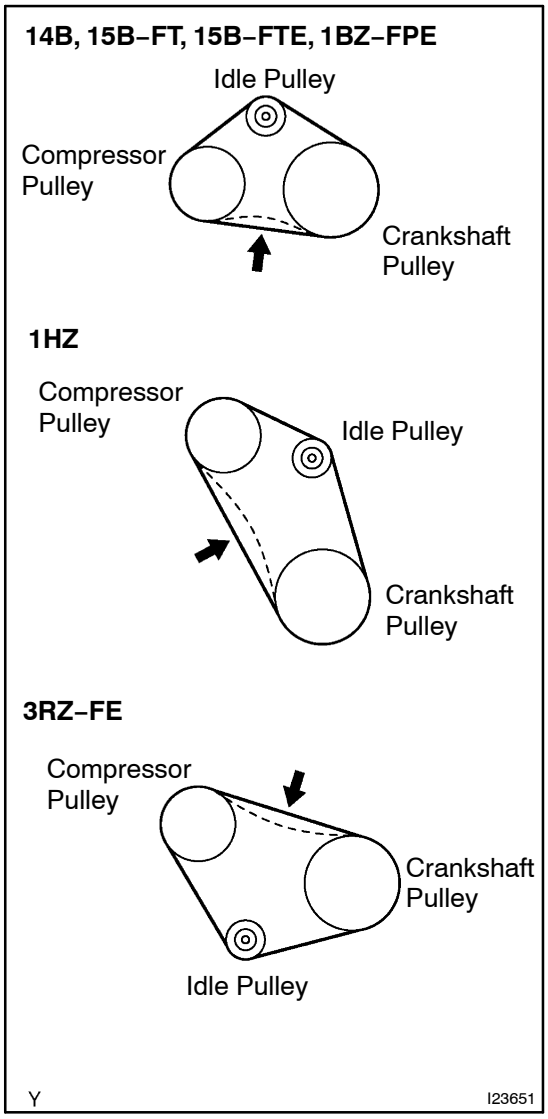
DRIVE BELT

AC31N–03

ON–VEHICLE INSPECTION

1. INSPECT DRIVE BELTS INSTALLATION CONDITION

Visually check the drive belt for cracks, oiliness or wear. Check that the belts does not touch the bottom of the pulley grooves. If necessary, replace the drive belts as a set.



2. INSPECT DRIVE BELTS DEFLECTION

Check the drive belt deflection by pressing the belt at the points indicated in the illustration with 98 N (10 kgf, 22 lbf) of pressure.

Drive belt deflection:

	New Belt mm (in.)	Used Belt mm (in.)
14B, 15B–FT, 15B–FTE, 1BZ–FPE,	9 – 11 (0.35 – 0.43)	11 – 15 (0.43 – 0.59)
1HZ	8.5 – 10.5 (0.33 – 0.41)	11 – 13 (0.43 – 0.51)
3RZ–FE	6.5 – 8.5 (0.26 – 0.33)	10 – 12.5 (0.39 – 0.49)

If necessary, adjust the drive belts deflection.

HINT:

- ”New belt” refers to a belt which has been used for less than 5 minutes on a running engine.
- ”Used belt” refers to a belt which has been used on a running engine for 5 minutes or more.
- After installing a new drive belt, run the engine for about 5 minutes and recheck the deflection.

3. Reference: INSPECT DRIVE BELTS TENSION

Using a belt tension gauge, check the drive belt tension.

Drive belt tension:

	New Belt N (kgf)	Used Belt N (kgf)
14B, 15B–FT, 15B–FTE, 1BZ–FPE,	392 – 588 (40 – 60)	196 – 392 (20 – 40)
1HZ	833 – 1,029 (85 – 105)	637 – 833 (65 – 85)
3RZ–FE	392 – 588 (40 – 60)	196 – 392 (20 – 40)

If necessary, adjust the drive belts tension.

HINT:

- ”New belt” refers to a belt which has been used for less than 5 minutes on a running engine.
- ”Used belt” refers to a belt which has been used on a running engine for 5 minutes or more.
- After installing a new drive belt, run the engine for about 5 minutes and recheck the tension.