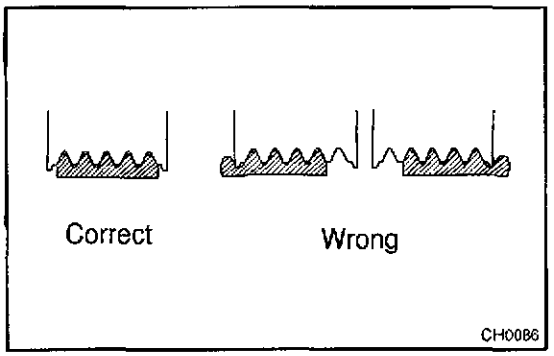


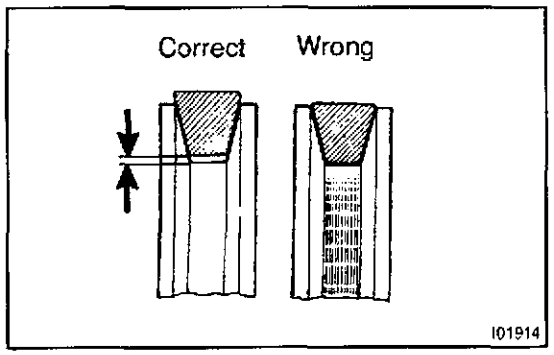
DRIVE BELT

ON–VEHICLE INSPECTION

AC0JD–01

1. RZ Series Engine:
INSPECT DRIVE BELT'S INSTALLATION CONDITION

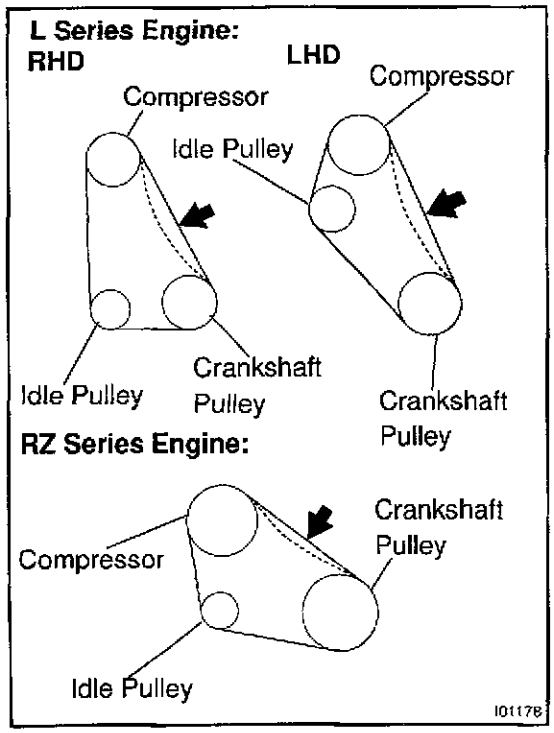
Check that the drive belt fits properly in the ribbed grooves.



2. L Series Engine:
INSPECT DRIVE BELT'S INSTALLATION CONDITION

Visually check the belt for cracks, oiliness or wear.

Check that the belt does not touch the bottom of the pulley groove.



3. CHECK DRIVE BELT DEFLECTION

(a) Using a belt tension gauge, apply a load of 98 N (10 kgf, 22 lbf).

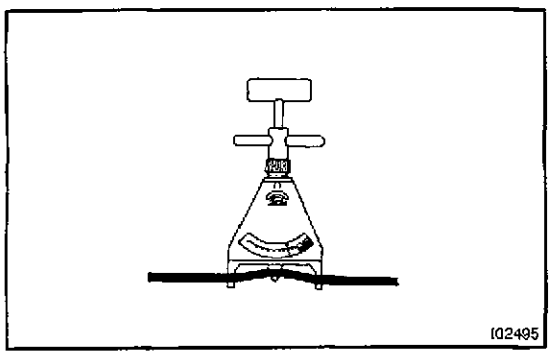
(b) Measure drive belt deflection.

Drive belt deflection:
L Series Engine:
New belt: 13.0 – 17.0 mm (0.51 – 0.67 in.)
Used belt: 17.0 – 21.0 mm (0.67 – 0.83 in.)
RZ Series Engine:
New belt: 7.0 – 10.0 mm (0.28 – 0.39 in.)
Used belt: 10.0 – 13.0 mm (0.39 – 0.51 in.)

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 the drive belt, check that it fits properly in the ribbed grooves.

If one belt has any of the above defects, replace the both belts.



4. INSPECT DRIVE BELT TENSION

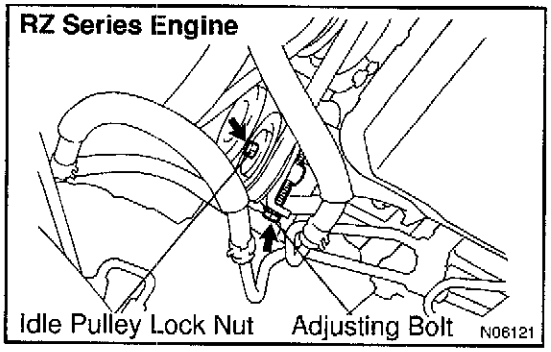
Using a belt tension gauge, check that the drive belt tension.

Drive belt tension:
L Series Engine:
New belt: 372 – 608 N (38 – 62 kgf)
Used belt: 196 – 392 N (20 – 40 kgf)
RZ Series Engine Engine:
New belt: 519 – 755 N (53 – 77 kgf)
Used belt: 196 – 392 N (20 – 40 kgf)

AC0JE-01

REMOVAL

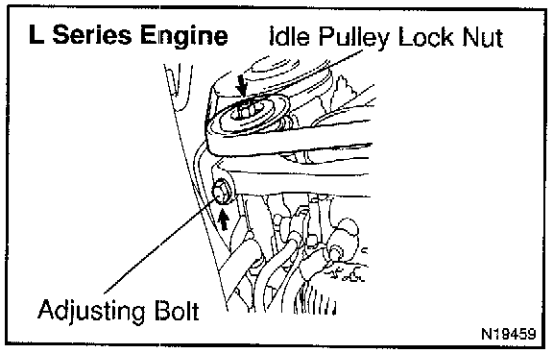
1. **REMOVE ENGINE UNDER COVER**
2. **RZ Series Engine:**
   REMOVE PS PUMP DRIVE BELT
   1RZ and 1RZ–E: (See page SR–29)
   2RZ–FE and 3RZ–FE: (See page SR–39)
   3RZ–F: (See page SR–49)

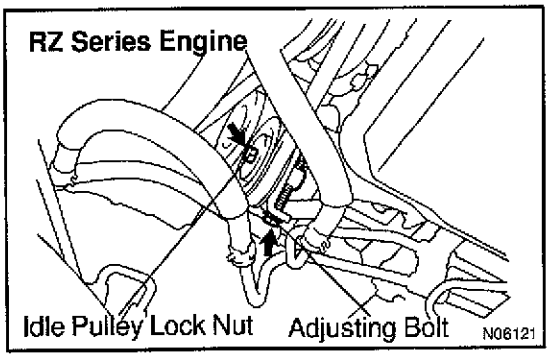


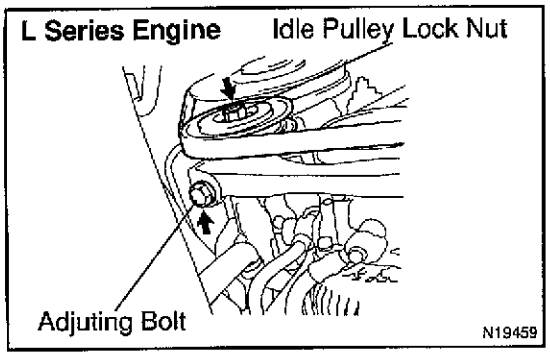
3. **REMOVE DRIVE BELT**

(a) Loosen the idle pulley lock nut.

(b) Loosen the drive belt tension by adjusting bolt and remove the drive belt.







AC0JF–01

INSTALLATION

1. TIGHTEN IDLE PULLEY LOCK NUT TEMPORARILY
   Torque: 2.5 N·m (25 kgf·cm, 22 in.·lbf)
2. INSTALL DRIVE BELT
3. USING ADJUSTING BOLT, ADJUST DRIVE BELT TENSION
   Drive belt tension
   L Series Engine:
   New belt: 372 – 608 N (38 – 62 kgf)
   Used belt: 196 – 392 N (20 – 40 kgf)
   RZ Series Engine:
   New belt: 519 – 755 N (53 – 77 kgf)
   Used belt: 196 – 392 N (20 – 40 kgf)
4. TIGHTEN IDLE PULLEY LOCK NUT
   Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)
5. RZ Series Engine:
   INSTALL PS PUMP DRIVE BELT
   1RZ and 1RZ–E: (See page SR–36)
   2RZ–FE and 3RZ–FE: (See page SR–46)
   3RZ–FE: (See page SR–56)
6. INSTALL ENGINE UNDER COVER