GENERATOR ASSY (5L–E)

1907J–02

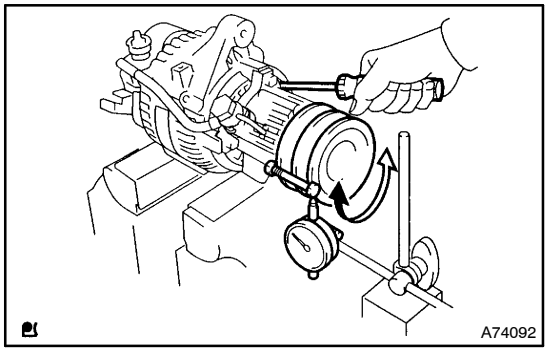
REPLACEMENT

1. **REMOVE ENGINE UNDER COVER SUB–ASSY NO.1**
2. **REMOVE AIR CLEANER ASSY (See page 14–91)**
3. **REMOVE VANE PUMP V BELT (See page 14–77)**
4. **REMOVE V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (W/ AIR CONDITIONING) (See page 14–77)**
5. **REMOVE FAN AND GENERATOR V BELT (W/O AIR CONDITIONING) (See page 14–77)**
6. **REMOVE FAN AND GENERATOR V BELT (W/ AIR CONDITIONING) (See page 14–77)**
7. **REMOVE IDLE PULLEY BRACKET (W/ AIR CONDITIONING)**
8. **SEPARATE COMPRESSOR AND MAGNETIC CLUTCH (W/ AIR CONDITIONING) (See page 14–91)**
9. **REMOVE COMPRESSOR MOUNTING BRACKET NO.1 (W/ AIR CONDITIONING)**
10. **REMOVE FAN BELT ADJUSTING BAR (W/O AIR CONDITIONING)**

(a) Remove the 2 bolts and adjusting bar.

11. **REMOVE GENERATOR W/ VACUUM PUMP ASSY**

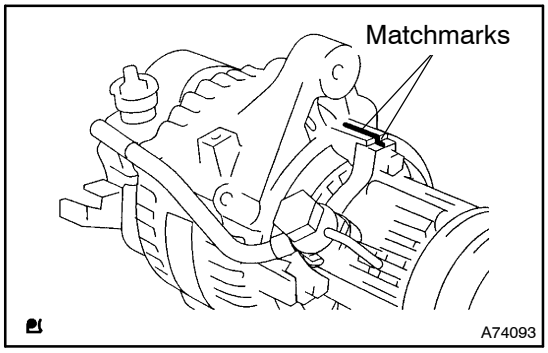
(a) Remove the terminal cover and nut, disconnect the +B terminal wire.
(b) Disconnect the connector.
(c) Disconnect the vacuum hose.
(d) Disconnect the oil outlet hose.
(e) Remove the union nut and 2 gaskets, disconnect the vacuum pump inlet hose.



12. **INSPECT GENERATOR W/ VACUUM PUMP ASSY**

(a) Mount the generator in a vice.
(b) Insert the screwdriver to hold the generator rotor.
(c) Hold the pulley by a bolt and nut.
(d) Set a dial gauge as shown.
(e) Turn the pulley and check the backlash between generator rotor and vacuum pump shaft.
Maximum backlash: 1.6 mm

If the backlash is greater than maximum, replace the generator rotor and vacuum pump shaft.



13. **REMOVE VACUUM PUMP ASSY**

(a) Place the matchmarks as shown.
(b) Remove the 4 bolts and vacuum pump assy.

14. **INSTALL VACUUM PUMP ASSY**

(a) Align the matchmarks and install the vacuum pump assy with the 4 bolts.
Torque: 7.8 N·m (80 kgf·cm, 69 in.·lbf)

15. INSTALL GENERATOR W/ VACUUM PUMP ASSY

(a) Temporally install the generator with the bolt (lower side).

(b) Connect the vacuum pump oil inlet hose with 2 new gaskets and the union bolt.
Torque: 14 N·m (140 kgf·cm, 10 ft·lbf)

(c) Connect the oil outlet hose.

(d) Connect the vacuum hose.

(e) Connect the connector.

(f) Connect the +B terminal wire with the nut.
Torque: 9.8 N·m (100 kgf·cm, 7 ft·lbf)

(g) Install the terminal cover.

16. INSTALL FAN BELT ADJUSTING BAR (W/O AIR CONDITIONING)

(a) Install the adjusting bar with the 2 bolts.
Torque: 45 N·m (460 kgf·cm, 33 ft·lbf)

(b) Temporally install the generator bolt (upper side).

17. INSTALL COMPRESSOR MOUNTING BRACKET NO.1 (W/ AIR CONDITIONING) **(See page 14–91)**

18. INSTALL COMPRESSOR AND MAGNETIC CLUTCH (W/ AIR CONDITIONING) **(See page 14–91)**

19. INSTALL IDLE PULLEY BRACKET (W/ AIR CONDITIONING) **(See page 14–91)**

20. INSTALL FAN AND GENERATOR V BELT (W/O AIR CONDITIONING) **(See page 14–77)**

21. INSTALL FAN AND GENERATOR V BELT (W/ AIR CONDITIONING) **(See page 14–77)**

22. INSTALL V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (W/ AIR CONDITIONING) **(See page 14–77)**

23. INSTALL VANE PUMP V BELT **(See page 14–77)**

24. INSTALL AIR CLEANER ASSY **(See page 14–91)**

25. INSTALL ENGINE UNDER COVER SUB–ASSY NO.1 **(See page 14–91)**