# OIL COOLER ASSY (5L–E)

170BY–01

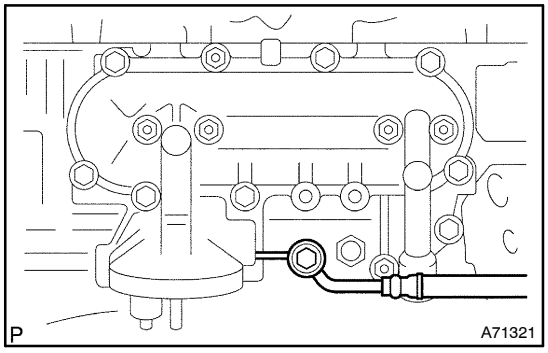
## REPLACEMENT

1. **REMOVE ENGINE UNDER COVER SUB–ASSY NO.1**
2. **REMOVE ENGINE UNDER COVER ASSY REAR**
3. **DRAIN ENGINE OIL (See page 17–24)**
4. **REMOVE AIR CLEANER ASSY (See page 14–91)**
5. **REMOVE INTAKE PIPE**
6. **REMOVE OIL LEVEL GAGE GUIDE**

(a) Remove the 2 bolts, oil level gage and oil level gage guide.

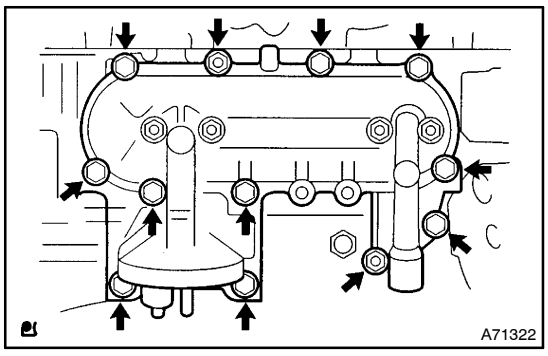
7. **REMOVE VANE PUMP V BELT (See page 14–77)**
8. **REMOVE V (COOLER COMPRESSOR TO CRANKSHAFT PULLEY) BELT NO.1 (W/ AIR CONDITIONING) (See page 14–77)**
9. **REMOVE FAN AND GENERATOR V BELT (W/O AIR CONDITIONING) (See page 14–77)**
10. **REMOVE FAN AND GENERATOR V BELT (W/ AIR CONDITIONING) (See page 14–77)**
11. **REMOVE IDLE PULLEY BRACKET (W/ AIR CONDITIONING)**
12. **SEPARATE COMPRESSOR AND MAGNETIC CLUTCH (W/ AIR CONDITIONING) (See page 14–91)**
13. **REMOVE COMPRESSOR MOUNTING BRACKET NO.1 (W/ AIR CONDITIONING)**
14. **REMOVE FAN BELT ADJUSTING BAR (W/O AIR CONDITIONING) (See page 19–16)**
15. **REMOVE GENERATOR W/ VACUUM PUMP ASSY (See page 19–16)**
16. **SEPARATE EXHAUST PIPE ASSY FRONT (See page 15–6)**
17. **REMOVE EXHAUST MANIFOLD HEAT INSULATOR NO.1 (See page 14–91)**
18. **REMOVE EXHAUST MANIFOLD (See page 14–91)**
19. **REMOVE OIL FILTER SUB–ASSY (See page 17–24)**

SST 09228–44011




20. **REMOVE VACUUM PUMP OIL INLET HOSE**

(a) Remove the union bolt and 2 gaskets, and disconnect the vacuum pump oil inlet hose from cylinder block.




21. **REMOVE OIL FILTER BRACKET SUB–ASSY**

(a) Remove the 10 bolts, 2 nuts, oil filter bracket and gasket.

**22. REMOVE OIL COOLER ASSY**

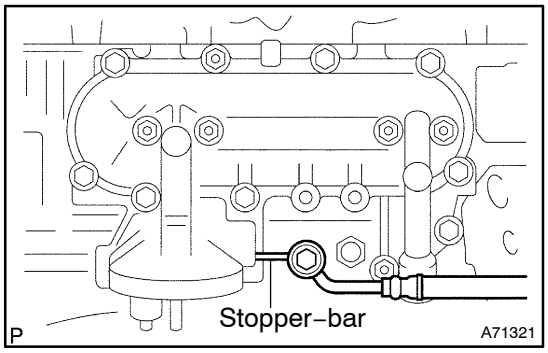
(a) Remove the 4 nuts, oil cooler and 2 gaskets.

**23. INSTALL OIL COOLER ASSY**

(a) Install 2 new gaskets and the oil cooler to the oil filter bracket.
**Torque: 16 N·m (160 kgf·cm, 11 ft·lbf)**

**24. INSTALL OIL FILTER BRACKET SUB–ASSY**

(a) Install a new gasket and oil filter bracket with the 10 bolts and 2 nuts.
**Torque: 30 N·m (300 kgf·cm, 22 ft·lbf)**




**25. INSTALL VACUUM PUMP OIL INLET HOSE**

(a) 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)**

**CAUTION:**
**Catch a stopper–bar of the inlet hose with the oil filter bracket.**

**26. INSTALL OIL FILTER SUB–ASSY** **(See page 17–24)**
SST 09228–44011

**27. INSTALL EXHAUST MANIFOLD** **(See page 14–91)**

**28. INSTALL EXHAUST MANIFOLD HEAT INSULATOR NO.1** **(See page 14–91)**

**29. INSTALL EXHAUST PIPE ASSY FRONT** **(See page 15–6)**

**30. INSTALL GENERATOR W/ VACUUM PUMP ASSY** **(See page 19–16)**

**31. INSTALL FAN BELT ADJUSTING BAR (W/O AIR CONDITIONING)** **(See page 19–16)**

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

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

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

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

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

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

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

**39. INSTALL OIL LEVEL GAGE GUIDE**

(a) Apply a light coat of engine oil to a new O–ring and install it to the level gage guide.

(b) Install the level gage guide.
**Torque: 12 N·m (122 kgf·cm, 9 ft·lbf)**

**40. INSTALL INTAKE PIPE** **(See page 10–19)**

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

**42. ADD ENGINE OIL** **(See page 17–24)**

**43. CHECK FOR ENGINE OIL LEAKS**

**44. INSTALL ENGINE UNDER COVER ASSY REAR** **(See page 14–91)**

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