13097–01

REPLACEMENT

1. DRAIN ENGINE COOLANT (See page 16–3)
2. REMOVE ENGINE SIDE COVER RH
3. REMOVE FRONT MUDGUARD RH
4. REMOVE AIR HOSE ASSY
(a) Loosen the hose clamp.
(b) Remove the 2 bolts and pipe.
5. REMOVE VENTILATION PIPE NO. 2
(a) Disconnect the breather hose.
(b) Remove the 3 bolts and pipe.
6. REMOVE EXHAUST PIPE ASSY FRONT (See page 15–2)
7. REMOVE INTAKE PIPE
(a) Loosen the hose clamp.
(b) Disconnect the air hose No. 2.
(c) Remove the 2 nuts and pipe.
8. REMOVE TURBO INSULATOR NO. 1
(a) Remove the 2 bolts and insulator.
9. REMOVE TURBO OIL INLET PIPE SUB–ASSY
(a) Remove the bolt, 2 union bolts, 4 gaskets and pipe.
10. REMOVE TURBO OIL OUTLET PIPE
(a) Remove the 4 bolts, 2 gaskets and pipe.
11. REMOVE TURBO WATER PIPE NO. 1
(a) Remove the bolt, union bolt, 2 gaskets, O–ring and pipe.
12. REMOVE TURBO WATER PIPE NO. 2
(a) Remove the bolt, 2 union bolts, 4 gaskets and pipe.
13. REMOVE BRACKET
(a) Remove the 2 bolts and bracket.
14. REMOVE TURBINE OUTLET ELBOW
(a) Remove the 5 nuts, gasket and elbow.
15. REMOVE TURBOCHARGER SUB–ASSY
(a) Remove the 4 nuts, gasket and turbocharger.
16. INSTALL TURBOCHARGER SUB–ASSY
(a) Install a new gasket and the turbocharger with the 4 nuts.
Torque: 69 N·m (704 kgf·cm, 51 ft·lbf)
17. INSTALL TURBINE OUTLET ELBOW
(a) Install a new gasket and the outlet elbow with the 5 nuts.
Torque: 36 N·m (367 kgf·cm, 27 ft·lbf)
18. INSTALL BRACKET
(a) Install the bracket with the 2 bolts.
Torque: 28.5 N·m (291 kgf·cm, 21 ft·lbf)
19. INSTALL TURBO WATER PIPE NO. 1
(a) Install 2 new gaskets, new O–ring and the pipe with the bolt and union bolt.
Torque:
24.5 N·m (250 kgf·cm, 18 ft·lbf) for union bolt
28.5 N·m (291 kgf·cm, 21 ft·lbf) for bolt

20. INSTALL TURBO WATER PIPE NO. 2

(a) Install 4 new gaskets and the pipe with the bolt and 2 union bolts.
Torque:
24.5 N·m (250 kgf·cm, 18 ft·lbf) for union bolt
28.5 N·m (291 kgf·cm, 21 ft·lbf) for bolt

21. INSTALL TURBO OIL OUTLET PIPE

(a) Install 2 new gaskets and the pipe with the 4 bolts.
Torque: 28.5 N·m (291 kgf·cm, 21 ft·lbf)

22. INSTALL TURBO OIL INLET PIPE SUB–ASSY

(a) Install 4 new gaskets and the pipe with the bolt and 2 union bolts.
Torque:
24.5 N·m (250 kgf·cm, 18 ft·lbf) for union bolt
28.5 N·m (291 kgf·cm, 21 ft·lbf) for bolt

23. INSTALL TURBO INSULATOR NO. 1

(a) Install the insulator with the 2 bolts.
Torque: 28.5 N·m (291 kgf·cm, 21 ft·lbf)

24. INSTALL BRACKET

25. INSTALL INTAKE PIPE

(a) Install a new gasket and the pipe with the 2 nuts.
Torque: 28 N·m (286 kgf·cm, 21 ft·lbf)

(b) Connect the air hose No. 2.

(c) Tighten the hose clamp.

26. INSTALL EXHAUST PIPE ASSY FRONT (See page 15–2)

27. INSTALL VENTILATION PIPE NO. 2

(a) Install the pipe with the 3 bolts.

(b) Connect the breather hose.
Torque: 28.5 N·m (291 kgf·cm, 21 ft·lbf)

28. INSTALL AIR HOSE ASSY

(a) Install the pipe with the 2 bolts.
Torque: 28.5 N·m (291 kgf·cm, 21 ft·lbf)

(b) Tighten the hose clamp.

29. INSTALL FRONT MUDGUARD RH

30. INSTALL ENGINE SIDE COVER RH

31. ADD ENGINE COOLANT (See page 16–3)

32. CHECK FOR ENGINE COOLANT LEAKS (See page 16–1)

33. CHECK FOR EXHAUST GAS LEAKS