FORKLIFT

# SERVICE MANUAL

## *35DS-7E*

HYUNDAI

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(2) Remove the torque converter housing cover, mounting bolts installed to flywheel housing.
For details, see page 2-9.

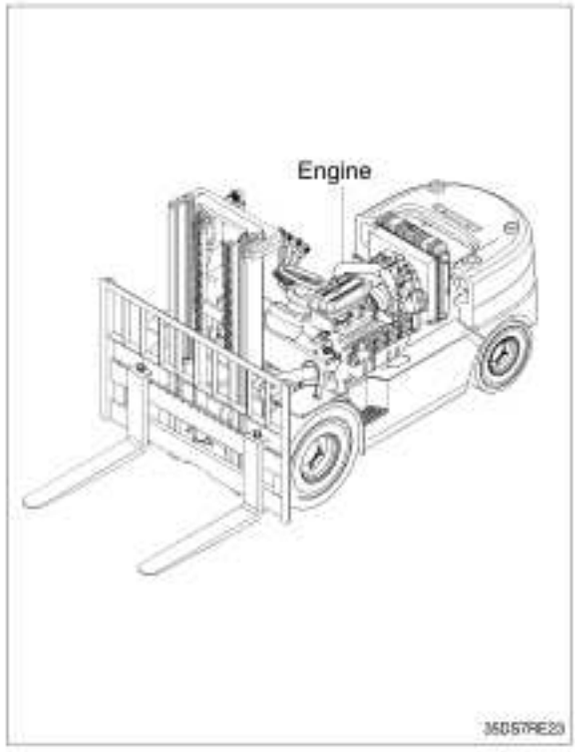
**(3) Engine accessory**

Remove all wiring harnesses, cables and hoses around the engine, dashboard and frame.

① Wiring harness to alternator and starter.
② Wiring harness for oil pressure and engine water temperature gauges.
③ Cables for meters, buttons and accelerator pedal.
④ Hoses to fuel tank and air cleaner.
⑤ Exhaust pipe.

**(4) Radiator hose**

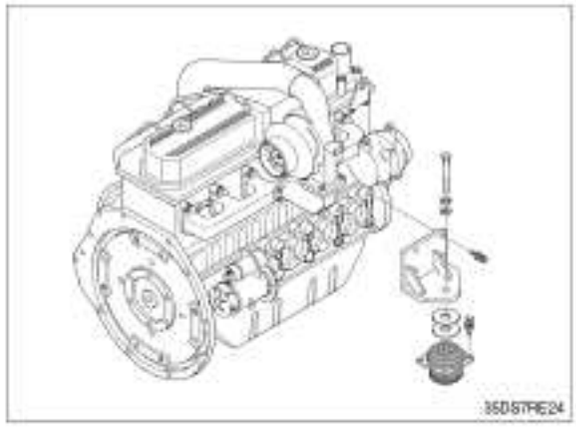
Open the drain valve of the radiator and drain the cooling water, then remove the radiator hose.




**(5) Mounting bolt**

Attach a crane to the engine hook and raise, then remove mounting bolts. Raise the engine slightly, slide towards the radiator, then lift up.

※ When sliding the engine, be careful of the collision engine and radiator.




## 2) INSTALLATION

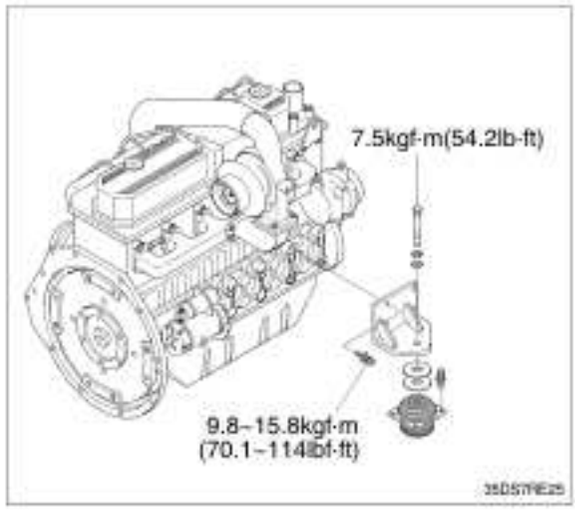
Installation is the reverse order of removal, but be careful of the following points.

(1) Tighten the engine mounting bolts and nuts.

(2) Tighten the engine mounting bracket bolts.

※ Do not remove the bolts unless necessary. Loctite is coated over the threads of bolt. So, once the bolts were removed, coat them with loctite(#243) when installing.

※ Before installing the bolts, loctite in the holes should be removed by a tap.






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27) After removing snap ring(50) and then disassemble 7 disks and 7 plates from the cylinder.

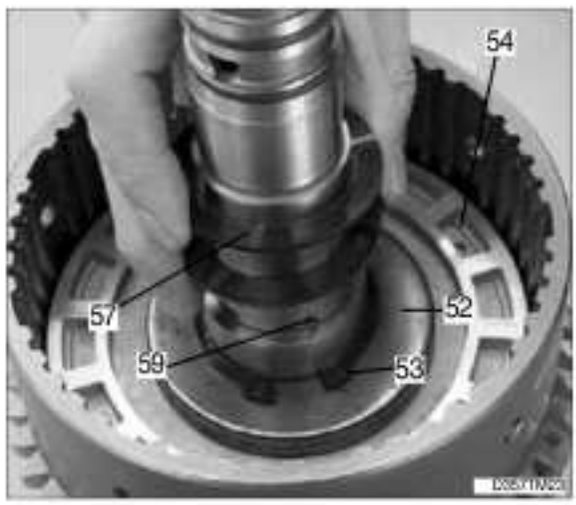



28) Remove 2 thrust washers(57) and a pin(59).

29) By pressing the retainer(52), remove snap ring(53).
Carefully reducing tension of spring assembly, remove retainer and spring.

30) Using a air compressor, remove piston(54) and pull out O-ring.

※ **Disassembling procedure of Input shaft assembly is same as that of counter shaft assembly.**




31) Disassemble input shaft assembly.

32) Remove bearing(60) and gear(61) from the output shaft assembly.






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# SECTION 4 BRAKE SYSTEM

## GROUP 1 STRUCTURE AND FUNCTION

### 1. OUTLINE

There are two brake systems, the foot brake system and the hand brake system.

In the foot brake system, oil pressure is generated in the master cylinder by treading on the brake pedal. This pressure causes the wheel cylinder pistons to extend, expanding the brake shoes and pressing them against the brake drums to attain braking force.

In the hand (parking) brake system, the brake shoes are expanded by operating the brake lever. Force from the lever is transmitted to the brake shoes through the hand brake cables and a lever arm in each disk brake assembly.

### 2. SPECIFICATION

#### 1) DISK BRAKE

| Item | | Specification |
|---|---|---|
| Type | | Wet disk brake |
| Brake valve step/bore piston diameter | | 40mm (1.6in) / 30mm (1.2in) |
| Pedal adjustment | Pedal height | 153-157mm (6.0-6.2in) |
| | Play | 5-8mm (0.2-0.31in) |
| Brake oil | | Azolla ZS32 (SAE 10W hydraulic oil) |

#### 2) PARKING BRAKE

| Item | Specification |
|---|---|
| Type | Ratchet, internal expanding mechanical type |
| Parking lever stroke | 295mm(11.6in) |
| Parking cable stroke | 28mm(1.1in) |



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