FORKLIFT

SERVICE MANUAL

20D-7

HYUNDAI

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<OLD Transmission and drive axle>

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4) POWER TRAIN DEVICES

Item			Specification
Torque converter	Model		Z80-D1(ZF)
	Type		3 Element, 1 stage, 2 phase
	Stall ratio		2.8
Transmission	Type		Power shift
	Gear shift(FR/RR)		1/1
	Control		Electrical single lever type
	Overhaul ratio	FR	15.886
		RR	16.497
Axle	Type		Front-wheel drive type, fixed location
	Gear		Hypoid gear type
Wheels	Q'ty(FR/RR)		Single : 2/2, Double : 4/2
	Front(drive)	2.0-2.5	7.0-12-12 PR, Double : 6.0-15-10 PR
		3.0	Single : 28x9-15-14 PR, Double : 6.0-15-12 PR
	Rear(steer)	2.0-2.5	6.00-9-10 PR
		3.0	6.5-10-12 PR
Brakes	Travel		Front wheel, duo-servo & auto adjustment type
	Parking		Toggle, internal expanding mechanical type
Steering	Type		Full hydraulic, power steering
	Steering angle		78.9° to both right and left angle, respectively

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(2) Remove the torque converter housing cover, mounting bolts installed to flywheel housing.
For details, see page 2-10.

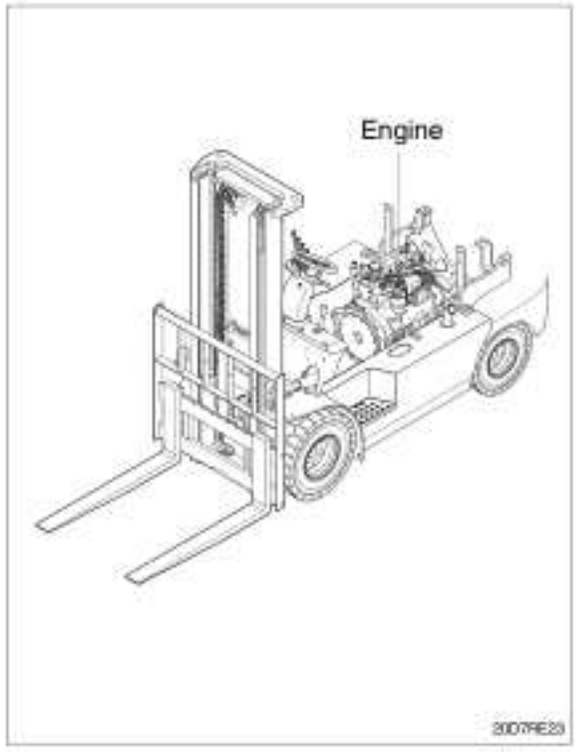
(3) Engine accessory

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

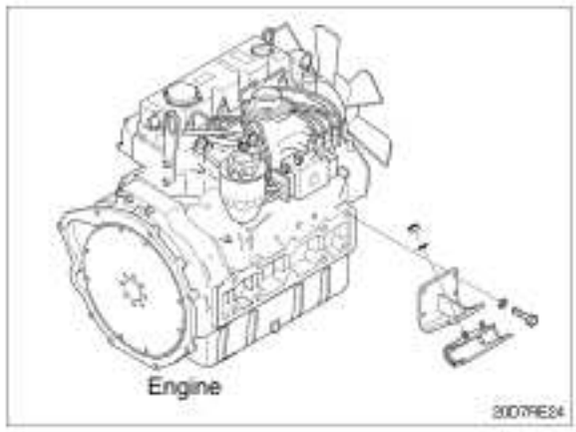
Open the drain valve of the radiator and drain the cooling water, then remove the radiator hose.



(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

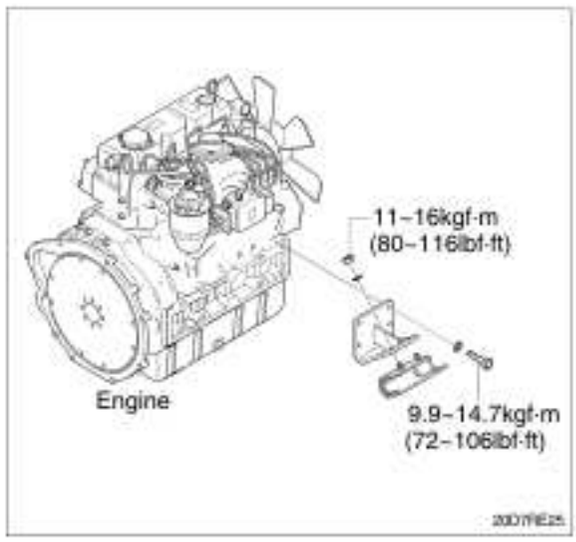
Installation is the reverse order of removal, but be careful of the following points.

(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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② Fix strainer in torque converter housing.



③ Temporarily assemble plug.



④ Confirm torque.

· Tightening torque : 8~10 kgf · m
(58~72 lbf · ft)



(5) Assembly of sub assembly

Assembly of transmission case and spacer sub assembly

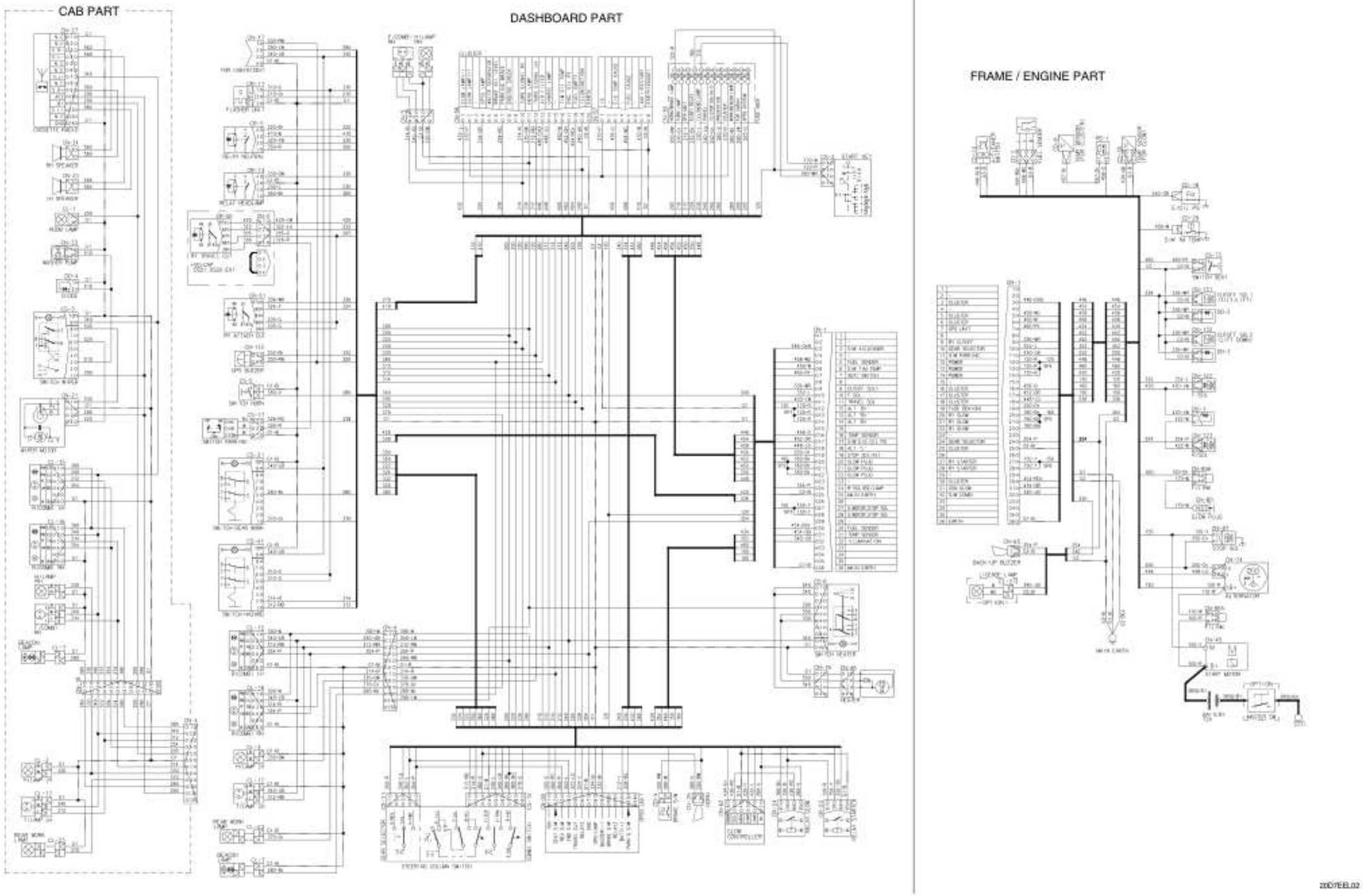
① Spread oil.



② Fix O-ring.



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