TOYOTA

REPAIR MANUAL

6FGCU15-30

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MidWestTech | Toyota 6FGCU15-30 Forklift Service Manual | Publication CU015-C

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SPECIFICATIONS

Type	Crossflow
Fin type	Corrugated fin
Coolant capacity (in radiator)	See the table below
Cap opening pressure kPa (kgf/cm²) [Psi]	73.5 – 103.0 (0.75 – 1.05) [10.7 – 14.91
Others	Built in torque converter cooler

COOLANT CAPACITY AND ANTIFREEZE TABLE

Unit: ℓ (US gal)

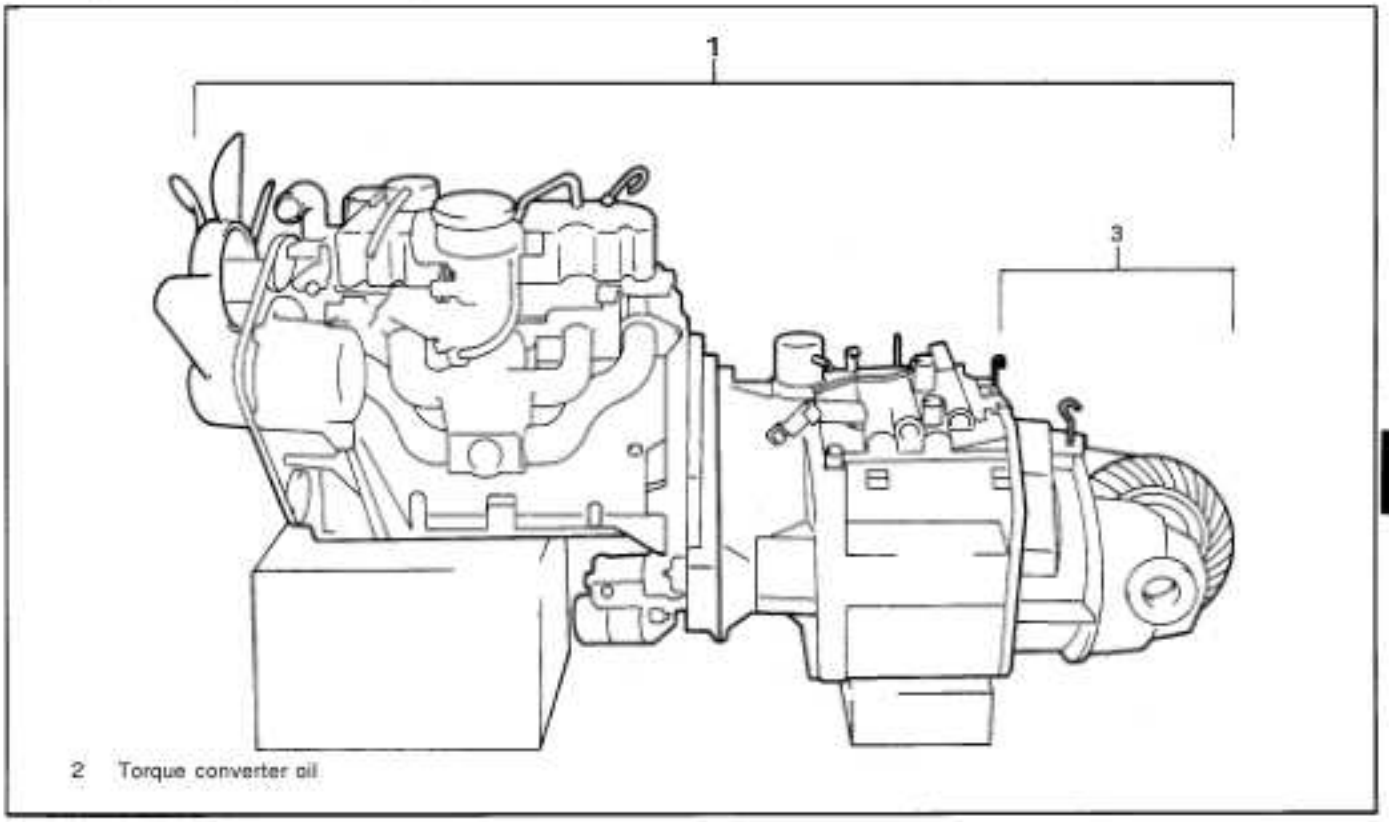
		Radiator capacity	Total amount of coolant	LLC mixing ratio at 25 % (to – 12°C)	LLC mixing ratio at 30 % (to – 15°C)	LLC mixing ratio at 50 % (to – 35°C)	Antirust mixing at 5 %
1 ton series	4Y	3.7 (0.98)	9.6 (2.35)	2.4 (0.63)	2.9 (0.61)	4.8 (1.27)	0.5 (0.12)
2 ton series	4Y	3.7 (0.98)	9.3 (2.46)	2.3 (0.61)	2.8 (0.74)	4.7 (1.24)	0.5 (0.12)
	GM	4.2 (1.11)	8.8 (2.32)	2.2 (0.58)	2.7 (0.71)	4.4 (1.16)	0.4 (0.11)
3 ton series	4Y	3.7 (0.98)	9.6 (2.35)	2.4 (0.63)	2.9 (0.77)	4.8 (1.27)	0.5 (0.12)
	GM	4.2 (1.11)	8.8 (2.32)	2.2 (0.58)	2.7 (0.71)	4.4 (1.16)	0.4 (0.11)

(Note): • The total amount of coolant does not include the capacity of the reservoir tank.
Reservoir tank capacity: 1.1 ℓ (0.29 US gal) (at FULL mark position)

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DIFFERENTIAL ASSY

REMOVAL.INSTALLALTION



Removal Procedure

1 Remove the engine W/torque converter. (See removal procedure step 1 to 24 in the torque converter removal, installation section on page 2-51.)

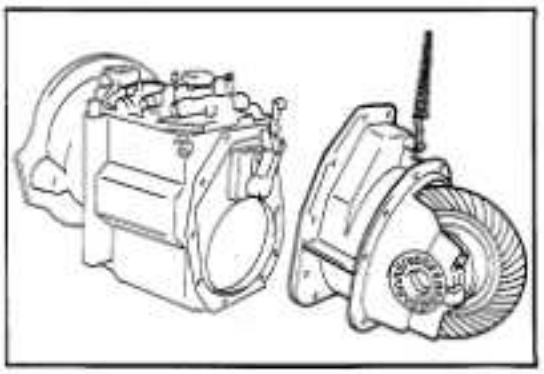
2 Drain the torque converter oil.

3 Remove the differential ASSY. **[Point 1]**

Installation Procedure

The installation procedure is the reverse of the removal procedure.

Note:
- **See the note for torque converter installation (on page 2-53).**
- **Differential carrier set bolt (differential ASSY and torque converter connecting bolt) tightening torque T = 49.03 ~ 78.45 N·m (500 ~ 800 kgf-cm) [36.18 ~ 57.88 ft-lbf]**



Point Operations

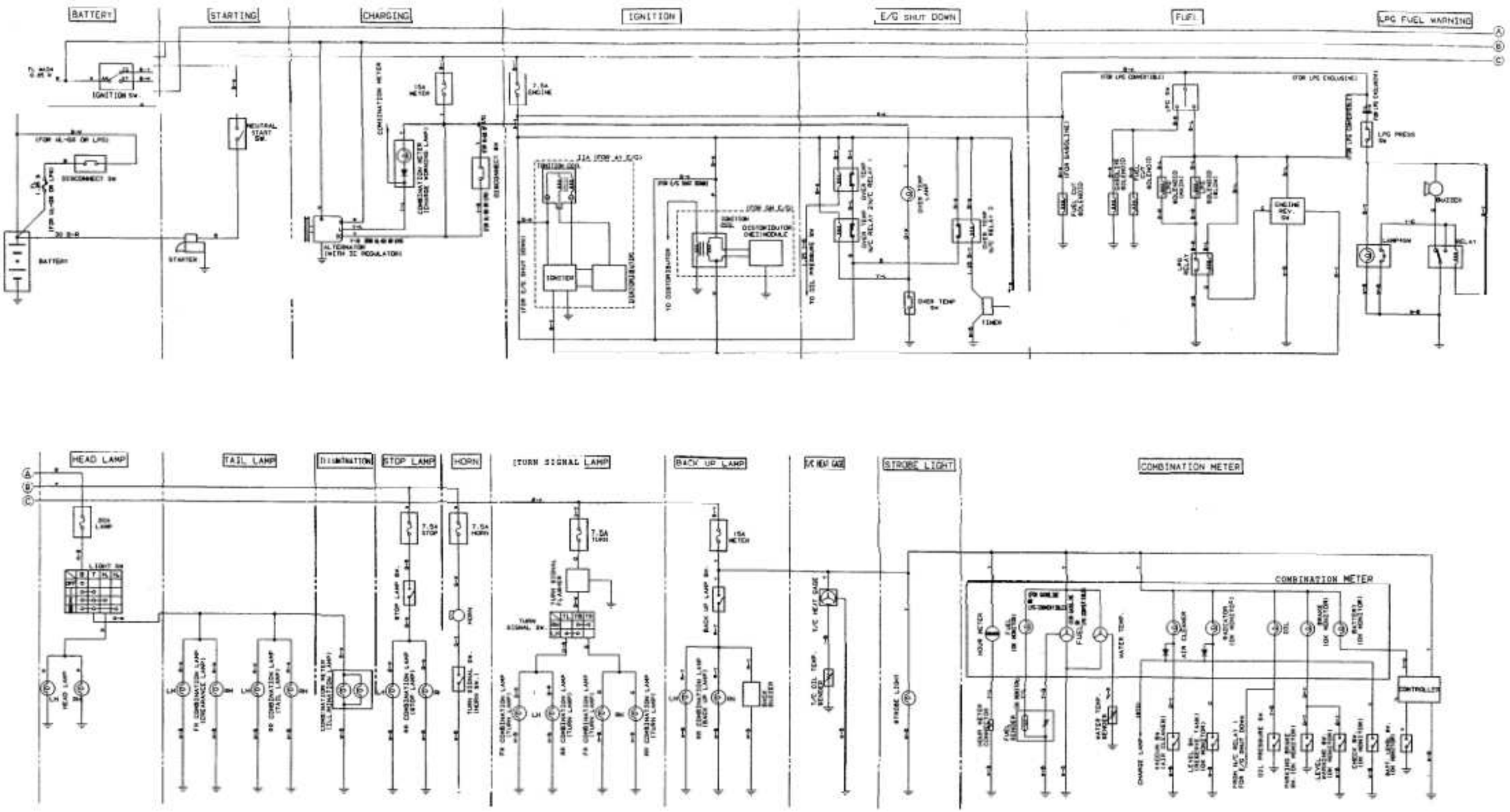
[Point 1]

Removal: Sling wires on the differential carrier and hoist it slightly.
Remove the set bolts and use the service bolt for separation.
Service bolt size: M8 × 1.25

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WIRING DIAGRAM

4Y-GM ENGINE MODELS



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