TOYOTA

REPAIR MANUAL

6FGU15-30 / 6FDU15-30

CU016

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GENERAL

Page

EXTERIOR VIEWS 0-2

VEHICLE MODEL 0-3

FRAME NUMBER 0-4

HOW TO READ **THIS** MANUAL 0-5

- EXPLANATION METHOD 0-5
- TERMINOLOGY 0-6
- ABBREVIATIONS 0-6

OPERATIONAL **TIPS** 0-7

STANDARD BOLT & NUT TIGHTENING TORQUE 0-8

- BOLT STRENGTH TYPE IDENTIFICATION METHOD 0-8
- TIGHTENING TORQUE TABLE 0-9

PRECOAT BOLTS 0-10

HIGH PRESSURE HOSE FITTING TIGHTENING TORQUE 0-10

WIRE ROPE SUSPENSION ANGLE **LIST** 0-11

SAFE LOAD FOR EACH **WIRE** ROPE SUSPENSION ANGLE 0-11

COMPONENTS WEIGHT 0-12

RECOMMENDED LUBRICANT QUANTITY & TYPES 0-13

LUBRICATION CHART 0-14

PERIODIC MAINTENANCE 0-15

PERIODIC REPLACEMENT OF PARTS AND LUBRICANTS 0-21

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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 capacrty	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 (2.53)	2.4 (0.63)	2.9 (0.61)	4.8 (1.27)	0.5 (0.11)
	1DZ	4.2 (1.11)	8.1 (2.14)	2.0 (0.53)	2.4 (0.63)	4.1 (1.08)	0.4 (0.11)
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)
	1DZ	4.2 (1.11)	8.3 (2.19)	2.1 (0.55)	2.5 (0.66)	4.2 (1.11)	0.4 (0.11)
3 ton series	4Y	3.7 (0.98)	9.6 (2.53)	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)
	1DZ	4.2 (1.11)	8.3 (2.19)	2.1 (0.55)	2.5 (0.66)	4.2 (1.11)	0.4 (0.11)

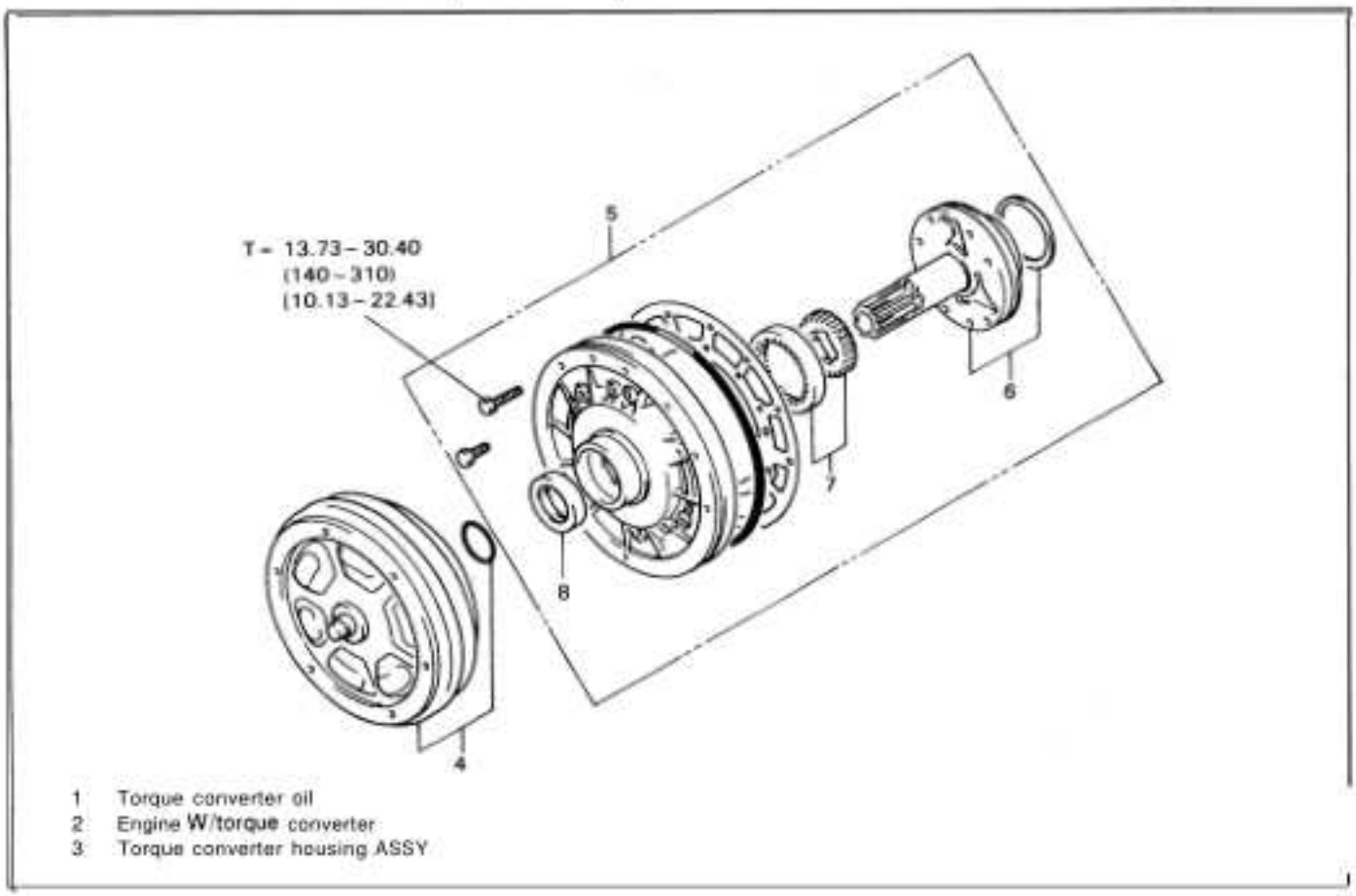
(Note) • The total amount of coolant does not include the capacity of the reservoir tank.
• Reservoir tank capacity: 1.1 ℓ (0.29 US gal) (at FULL mark position)

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TORQUE CONVERTER ·OIL PUMP (2 SPEEDS)

REMOVAL·INSTALLATION (2 SPEEDS)

T = N·m (kgf-cm) [ft-lbf]



1 Torque converter oil
2 Engine W/torque converter
3 Torque converter housing ASSY

Removal Procedure

1 Drain torque converter oil.

2 Remove the engine W/torque converter. (See page 1-8 in the engine section.)

3 Disconnect the engine and torque converter housing ASSY. (See steps 1 to 4 of the removal procedure on page 1-11 in the engine section.)

4 Remove the torque converter ASSY. [Point **1**]

5 Remove the oil pump W/stator shaft. [Point 21

6 Remove the stator shaft.

7 Remove the oil pump gear. [Point **3**]

8 Remove the oil seal. [Point 41

Installation Procedure

The installation procedure is the reverse of the removal procedure.

Note:
- Oil pump set bolt tightening torque: T = 13.73 – 30.40 **N·m** (140 – 310 kgf-cm) [**10.13** – 22.43 ft-lbf]
- Stator shaft set bolt tightening torque: T = 9.81 – 15.69 **N·m** (**100** – 160 **kgf-cm**) [**7.24** – 11.58 ft-lbf]
- See the note for the engine installation procedure. (See page 1-9 and 1-12.1

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APPENDIX

Page

SST LIST 15-2

SERVICE STANDARDS LIST 15-5

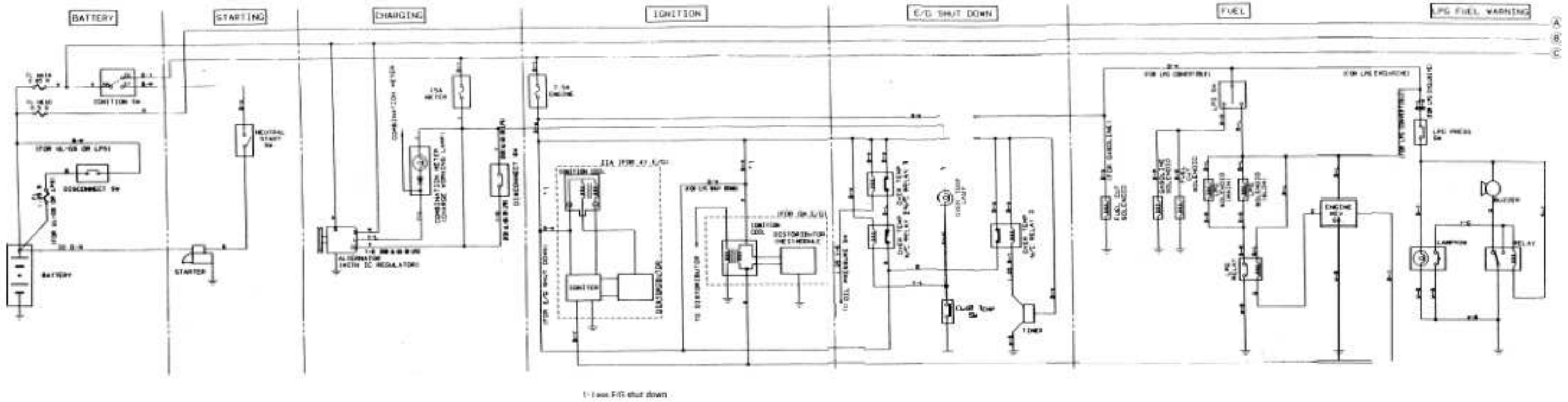
WIRING DIAGRAM 15-19

15

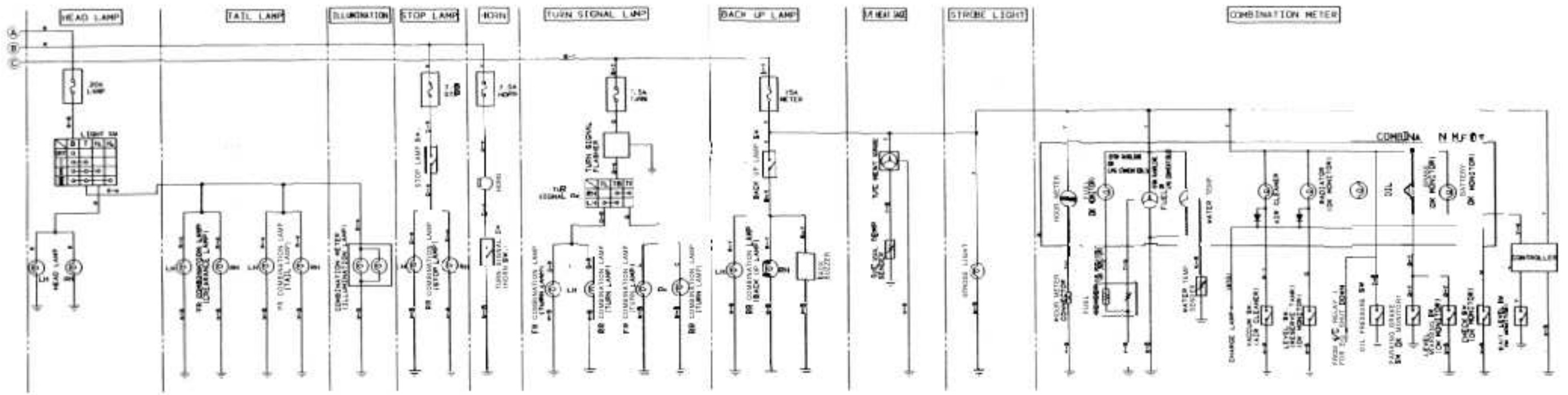
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WIRING DIAGRAM

4Y·GM ENGINE MODELS



1: Less E/G shut down



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