AC60E AUTOMATIC TRANSMISSION

■ GENERAL

1. Outline

(a) For the models equipped with the 1TR-FE engine for Hong Kong, the transmission has been changed from the A45DE 4-speed Electronic Control Transmission (ECT) to an AC60E 6-speed Electronic Control Transmission (ECT).
(b) For the models equipped with the 2TR-FE engine for Australia and New Zealand, the transmission has been changed from the A343E 4-speed Electronic Control Transmission (ECT) to an AC60E 6-speed Electronic Control Transmission (ECT).
(c) Along with the adoption of a 6-speed automatic transmission, a shift lock control unit assembly with 6-speed sequential shift has been adopted.
(d) A gate type shift lever is used.
(e) A multi-mode automatic transmission is used.
(f) An ATF cooler is used in the ATF cooling system.

2. Specification

▶ Automatic Transmission Assembly ◀

Control ECU		ECM
Gear Ratio	1st	3.600
	2nd	2.090
	3rd	1.488
	4th	1.000
	5th	0.687
	6th	0.580
	Reverse	3.732
Fluid Type		Toyota Genuine ATF WS
Fluid Capacity	Liters (US qts, Imp. qts)	7.9 (8.3, 7.0)
Weight (Reference)*	kg (lb)	80 (176.4)

HINT:
*: Weight shows the figure with the fluid fully filled.

▶ Planetary Gears ◀

Compound Gear Unit	Front Planetary Gear Assembly	No. of Sun Gear Teeth	46
		No. of Pinion Gear Teeth	16
		No. of Ring Gear Teeth	78
	Center Planetary Gear Assembly	No. of Sun Gear Teeth	30
		No. of Pinion Gear Teeth	24
		No. of Ring Gear Teeth	78
	Rear Planetary Gear Assembly	No. of Sun Gear Teeth	30
		No. of Pinion Gear Teeth	24
		No. of Ring Gear Teeth	78

▶ Friction Engagement Components and 1-way Clutch ◀

No. 1 Clutch (C_1)	No. of Discs	5
No. 2 Clutch (C_2)		4
No. 1 Brake (B_1)		4
No. 2 Brake (B_2)		5
No. 3 Brake (B_3)		3
1-Way Clutch (F)	No. of Sprags	26

▶ Torque Converter Assembly ◀

Torque Converter Type	3-element, 1-step, 2-phase
Stall Torque Ratio	2.000