A45DE AUTOMATIC TRANSMISSION

■GENERAL

1. Outline

(a) The A45DE 4-speed Electronic Control Transmission (ECT) is used on the models with 1TR-FE engine.
(b) A gate type shift lever is used.

2. Specification

▶ Automatic Transmission Assembly ◀

Control ECU		ECM
Gear Ratio	1st	2.826
	2nd	1.493
	3rd	1.000
	4th	0.730
	Reverse	2.703
Fluid Type		Toyota Genuine ATF TYPE T-IV
Fluid Capacity	Liters (US qts, Imp.qts)	6.9 (7.3, 6.1)
Weight (Reference)*	kg (lb)	69.2 (152.6)

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

▶ Planetary Gears ◀

Compound Gear Unit	Front Planetary Gear Assembly	No. of Sun Gear Teeth	27
		No. of Pinion Gear Teeth	23
		No. of Ring Gear Teeth	73
	Rear Planetary Gear Assembly	No. of Sun Gear Teeth	36
		No. of Pinion Gear Teeth	19
		No. of Ring Gear Teeth	73
	Overdrive Planetary Gear Assembly	No. of Sun Gear Teeth	27
		No. of Pinion Gear Teeth	23
		No. of Ring Gear Teeth	73

▶ Friction Engagement Components and 1-way Clutch ◀

Overdrive Direct Clutch (C_0)	No. of Discs	1
Forward Clutch (C_1)		4
Direct Clutch (C_2)		3
Overdrive Brake (B_0)		3
2nd Coast Brake (B_1)		2
2nd Brake (B_2)		3
1st and Reverse Brake (B_3)		5
Overdrive 1-Way Clutch (F_0)	No. of Sprags	22
1-Way Clutch Assembly (F_1)		18
No. 2 1-Way Clutch (F_2)		26

▶ Torque Converter Assembly ◀

Torque Converter Type	3-element, 1-step, 2-phase
Stall Torque Ratio	1.800