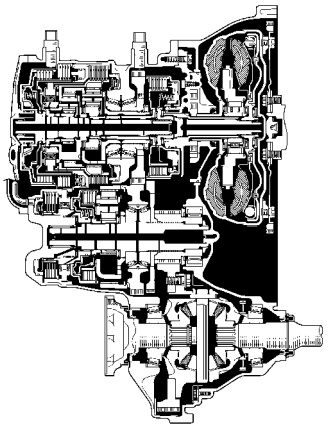
U140E AND U241E AUTOMATIC TRANSAXLE

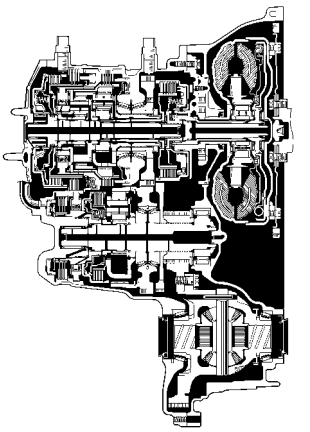
■DESCRIPTION

- The new Camry line-up uses the following types of automatic transaxles:
  1AZ, 2AZ-FE × U241E
  1MZ-FE × U140E
- These automatic transaxles are compact and high-capacity 4-speed Super ECT (Electronically Controlled Transaxle).
- The basic construction and operation of these automatic transaxles are the same.
  However, the gear ratio, disc, and spring number have been changed to accommodate the characteristic of the engine.



U140E

161ES20



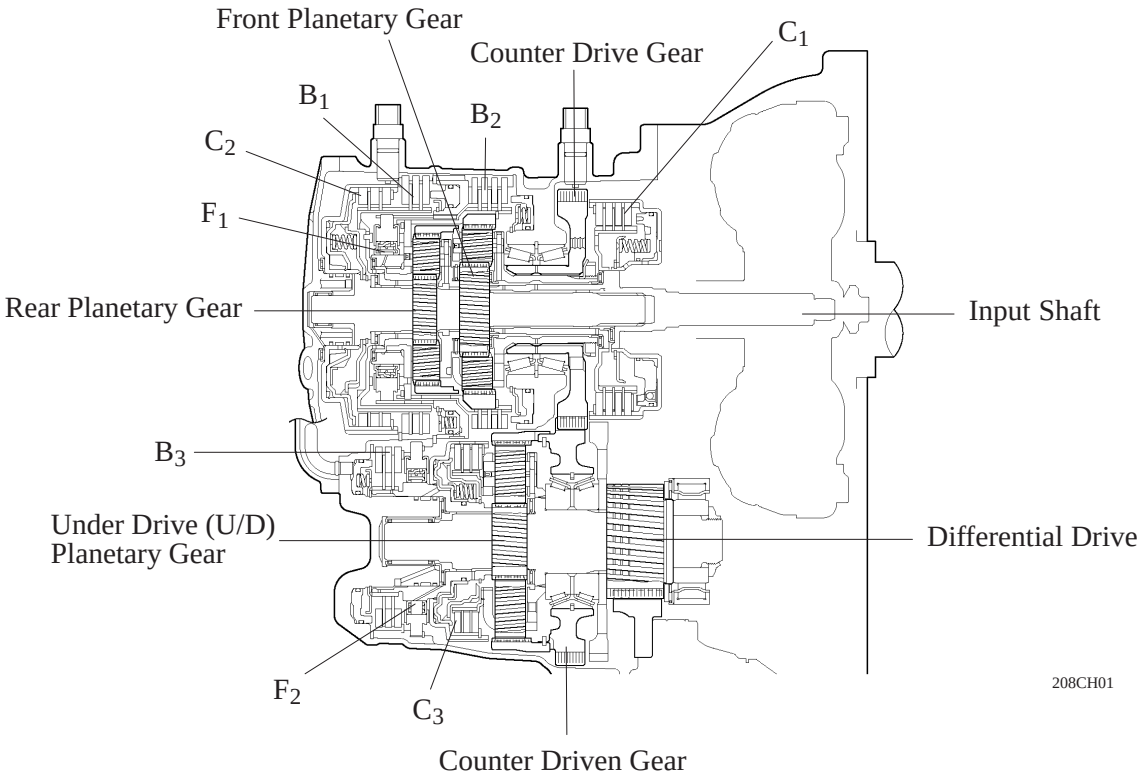
U241E

181CH09

▶ Specification ◀

Model		New		Previous	
Transaxle Type		U140E	U241E	A140E	A541E
Engine Type		1MZ-FE	1AZ, 2AZ-FE	5S-FE	1MZ-FE
Gear Ratio	1st	3.938*1	3.943*1	2.810	←
	2nd	2.194*1	2.197*1	1.549	←
	3rd	1.411*1	1.413*1	1.000	←
	4th	1.019*1	1.020*1	0.706	0.735
	Reverse	3.141*1	3.145*1	2.296	←
Counter Gear Ratio		1.019	1.020	0.945	←
Differential Gear Ratio		3.080	3.120*2 2.740*3	2.296	3.933
Fluid Capacity Liters (US qts, Imp. qts)		8.6 (9.1, 7.7)*4	←	5.6 (5.9, 4.9)*5 1.6 (1.7, 1.4)*6	6.8 (7.2, 5.9)*5 0.9 (0.9, 0.8)*6
Fluid Type		ATF Type T-IV	←	ATF D-II or DEXRON®III (DEXRON®II)	←
Dry Weight kg (lb)		91 (200.6)	82 (180.8)	73 (160.9)	83.3 (183.6)

*1: Counter Gear Ratio Included
*2: 1AZ-FE Engine
*3: 2AZ-FE Engine
*4: Differential Included
*5: Only for Transmission
*6: Only for Differential



▶ Specification ◀

Transaxle Type			U140E	U241E
C_1	Forward Clutch	The No. of Discs	6	4*1 5*2
C_2	Direct Clutch		4	3
C_3	U/D Direct Clutch		4	3
B_1	2nd Brake		4	3
B_2	1st & Reverse Brake		7	5
B_3	U/D Brake		4	3
F_1	No. 1 One-Way Clutch	The No. of Sprags	28	←
F_2	U/D One-Way Clutch		24	15
Front Planetary Gear		The No. of Sun Gear Teeth	43	←
		The No. of Pinion Gear Teeth	17	←
		The No. of Ring Gear Teeth	77	←
Rear Planetary Gear		The No. of Sun Gear Teeth	31	←
		The No. of Pinion Gear Teeth	19	←
		The No. of Ring Gear Teeth	69	←
U/D Planetary Gear		The No. of Sun Gear Teeth	35	32
		The No. of Pinion Gear Teeth	28	26
		The No. of Ring Gear Teeth	91	83
Counter Gear		The No. of Drive Gear Teeth	52	50
		The No. of Driven Gear Teeth	53	51

*1: 1AZ-FE Engine *2: 2AZ-FE Engine