

AUTOMATIC TRANSAXLE (A241E, A243L)

DESCRIPTION

General

The A241E and A243L automatic transaxles are 4-speed transaxles with a lock-up mechanism developed exclusively for the New Celica.

The A241E automatic transaxle is an Electronically Controlled Transaxle.

The A243L automatic transaxles are based on the A240L automatic transaxle.

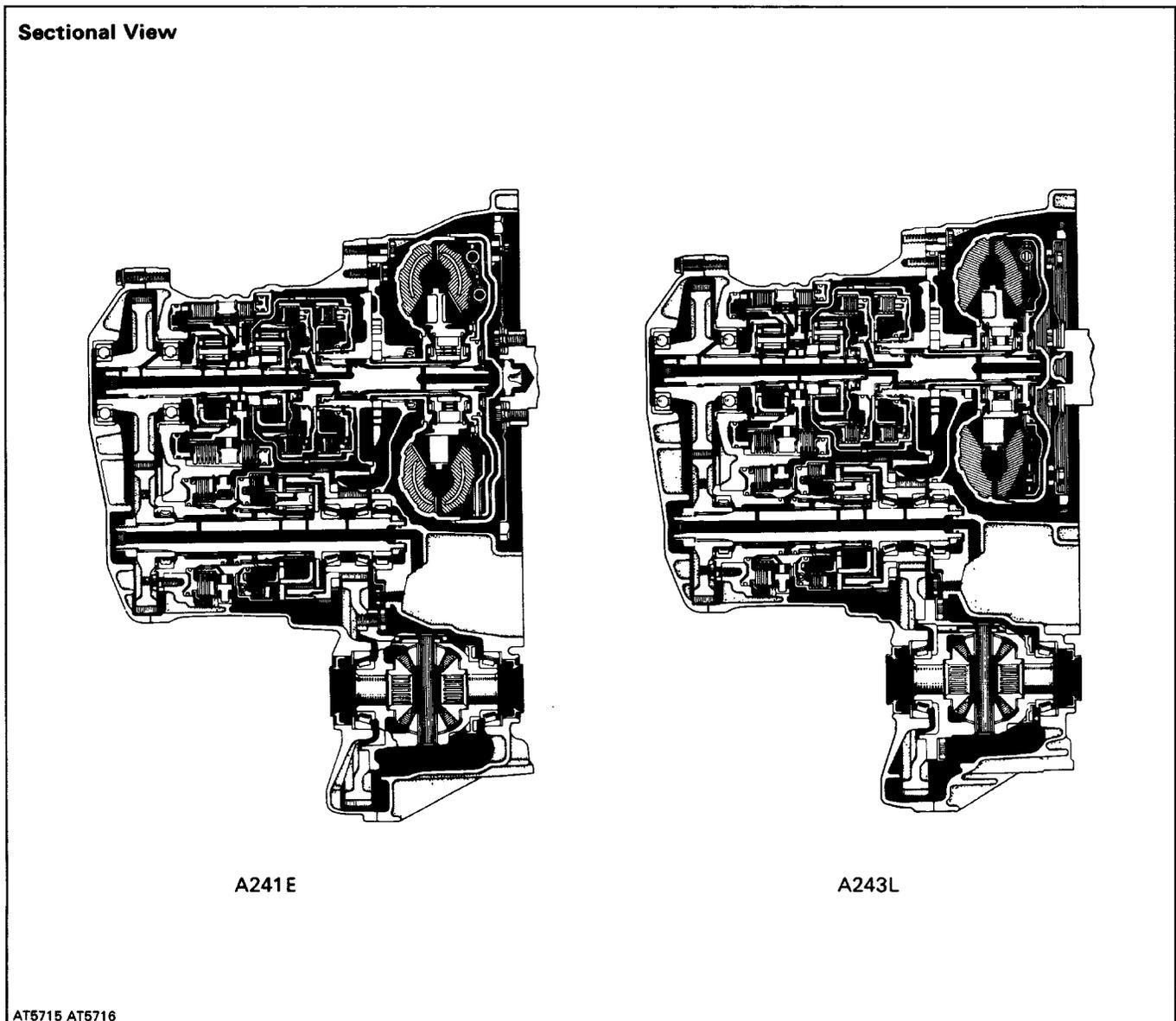
These automatic transaxles have the following features.

The "Super-FLow" torque converter clutch is used to improve the transmission efficiency.

- When shifting the transmission, the engine torque is controlled and the clutch hydraulic pressure in
- the transmission is electronically controlled to reduce transmission shift shock. (A241 E)
- Transaxle control module has been integrated with the ECM (A241 E).

These automatic transaxles are mainly composed of the torque converter clutch with lock-up clutch, 4-speed planetary gear unit, the hydraulic control system and the electronic control system.

To minimize the possibility of incorrect operation of the automatic transaxle, a shift lock mechanism has also been added.



General Specifications

Type of Transaxle		A243L	A241 E
Type of Engine		4A-FE	5S-FE
Torque Converter Clutch	Stall Torque Ratio	2.5: 1	2.1 : 1
	Lock-Up Mechanism	Equipped	←
Gear Ratio	1st Gear	4.005	3.643
	2nd Gear	2.208	2.008
	3rd Gear	1.425	1.296
	O/D Gear	0.981	0.892
	Reverse Gear	3.272	2.977
Number of Discs and Plates (Disc/Plate)	C₁ Forward Clutch	4/4	4/4
	C₂ Direct Clutch	2/3	3/3
	C₃ Underdrive Clutch	3/3	3/5
	B₂ 2nd Brake	3/3	←
	B₃ 1 st & Reverse Brake	6/5	←
	B₄ Underdrive Brake	3/3	←
2nd Coast Brake (B1) Band Width		mm (in.)	25(0.98)
			←
ATF	Type	ATF DEXRON® II	
	Capacity litter (US qts, Imp. qts)	Total	7.7 (8.1, 6.8)
		Drain & Refill	3.3 (3.5, 2.9)
			←