

CHASSIS

A342E AUTOMATIC TRANSMISSION

■ DESCRIPTION

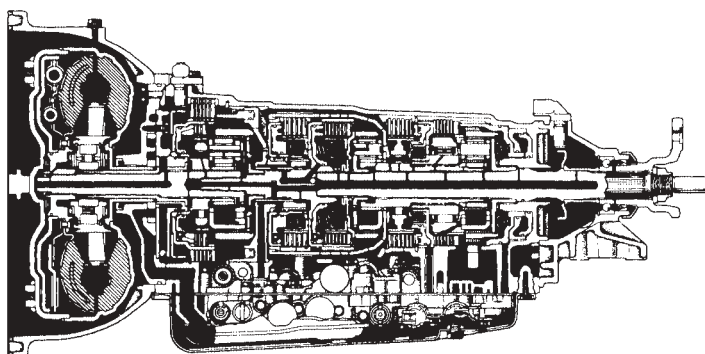
The A342E is a 4-speed automatic transmission that has adopted the ECT-i system (Electronically Controlled Transmission with an intelligent control system). This automatic transmission is based on the A340E series. It realizes smooth shifting characteristics as well as excellent fuel economy and driving performance through the optimization of its components and its control system in order to accommodate the high power output of the 1GZ-FE engine.

For the torque converter, a super-flow torque converter that achieves high performance and efficiency has been adopted.

A gate type shift lever which has the function of shift lever knob button and O/D switch exchanged to the side direction motion of the shift lever is adopted to the shift lever. This shift lever can be operated with a simple motion of the two directions which are the shift operation (fore and rear directions) and the select operation (side direction).

The ECT-i electronically controls the gear shift timing, lock-up timing, the clutch and brake hydraulic pressure, and the engine torque during shifting to achieve optimum shift feeling.

Also, to minimize the possibility of incorrect operation of the automatic transmission, a shift lock mechanism is incorporated.



162CH01

► Specifications ◀

Type of Transmission		A342E
Type of Engine		1GZ-FE
Items		
Gear Ratios	1st Gear	2.531
	2nd Gear	1.531
	3rd Gear	1.000
	Overdrive Gear	0.753
	Reverse Gear	1.880
Fluid Capacity	Liters (USqts, Imp. qts)	8.3 (8.77, 7.3)
Type of Fluid		ATF Type T-IV or Equivalent