

## Introducing the JR710E 7-speed Automatic Transmission for the Nissan Caravan

The JR710E 7-speed automatic transmission (AT) for rear-wheel-drive vehicles is mounted on the Nissan Caravan, which is fitted with a 2L/2.5L gasoline engine and was released by Nissan Motor Co., Ltd. in Japan in October 2021. This is the first application of the JR710E on a cab-over vehicle. Compared with the 5-speed AT used heretofore on the Caravan, the 7-speed JR710E provides wider ratio coverage, increasing gear steps and also widens the lock-up operating region. As a result, it contributes significantly to improving the fuel economy, emissions performance, driving performance, quietness and driveability of the vehicle. Moreover, the added manual shift mode is also highly acclaimed by customers.

Table 1 Specifications of JR710E

Torque capacity	178 Nm	
Torque converter size	250 mm	
Gear ratios	1st	4.783
	2nd	3.102
	3rd	1.984
	4th	1.371
	5th	1.000
	6th	0.870
	7th	0.775
	Rev.	3.858
Ratio coverage	6.31	
Final gear ratio (reference)	3.700	
Selector positions	P, R, N, D + M shift	
Overall length	769.5 mm	
Weight (wet)	92 kg	

※ 2L 2WD

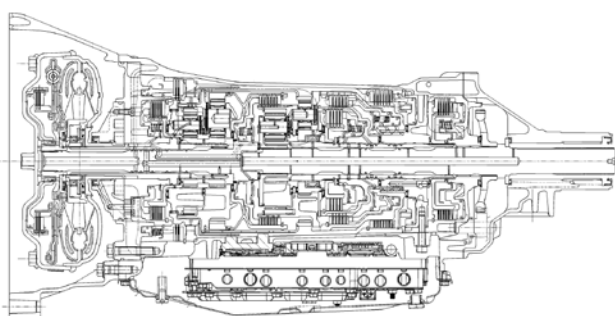


Fig. 1 Main cross-sectional view



Nissan Caravan

