

Introducing the JR913E 9-speed AT for INFINITI QX80, Nissan ARMADA and NISSAN PATROL

INFINITI QX80, launched in July 2024, is equipped with the JR913E 9-speed FR Automatic transmission. The JR913E offers approximately 40% wider gear ratios compared to the previous 7-speed AT. This, coupled with a newly developed 3.5L twin-turbo engine, results in improved acceleration response and fuel efficiency at high speed driving. Also, the direct hydraulic control system provides a more direct feeling during gear shifts.

NISSAN ARMADA and PATROL feature a terrain mode within their drive mode settings, enabling high-quality driving performance across various terrains, from urban areas to rugged off-road landscapes.

These vehicles utilizing the JR913E have achieved enhanced drivability and improved fuel efficiency, earning high praise from customers.

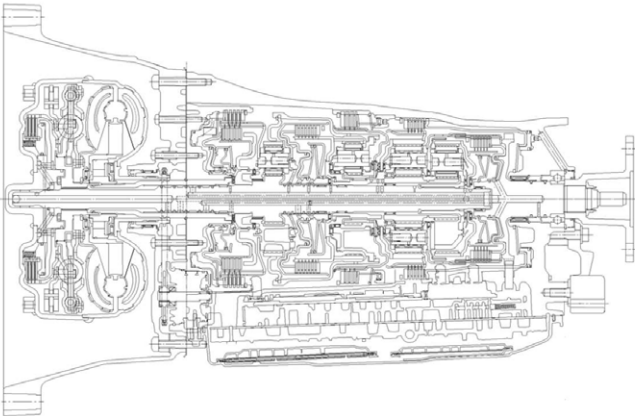


Fig. 1 Main cross-sectional view

Table 1 Specifications of JR913E

Torque capacity	700 Nm	
Torque converter size	260 mm	
Gear ratios	1st	5.425
	2nd	3.263
	3rd	2.249
	4th	1.649
	5th	1.221
	6th	1.000
	7th	0.861
	8th	0.713
	9th	0.596
	Rev.	4.799
Ratio coverage	9.1	
Final gear ratio (reference)	3.357	
Selector positions	P, R, N, D, +Manual shift (Paddle) (Park & Shift by wire)	
Overall length	439.5 mm	
Weight (wet)	100.5 kg	

QX80

ARMADA

PATROL

