

Introducing the JR913E 9-speed Automatic Transmission for the Nissan Fairlady Z

The JR913E 9-speed automatic transmission (AT) for rear-wheel-drive vehicles is installed on the new generation of the Fairlady Z that Nissan Motor Co., Ltd. released in July 2022.

The new Fairlady Z is mounted with a 3.0-liter direct-injection turbocharged engine that significantly improves power output over that of the previous model. That improvement is combined with the high transmission efficiency of the JR913E, which fully transmits the torque produced by the engine to the tires, to achieve superb power performance.

In addition, reduced shift shock and improved shifting speed deliver shifting performance befitting a sports car, thereby contributing to a dramatic improvement of driving performance.

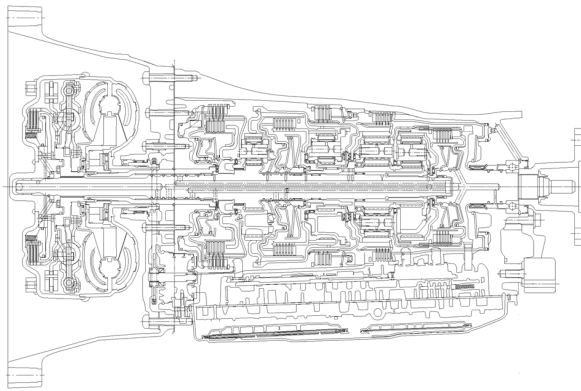


Fig. 1 Main cross-sectional view

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)	3.133
Selector positions	P, R, N, D + Manual shift (Paddle) (Park & Shift by wire)
Gear box length	439.5 mm
Weight (wet)	99.5 kg



Nissan Fairlady Z