

Introducing the Jatco CVT8(JF016E) for the Nissan Serena

The Jatco CVT8 (JF016E) is installed on the new generation of the Nissan Serena that Nissan Motor Co., Ltd. released in Japan in December 2022, following the execution of a full model change.

The JF016E adopts a newly designed control valve that provides both control stability and responsiveness for dramatically improving shift response and substantially reducing friction. As a result, the JF016E brings out the full performance of the MR20 engine, thereby contributing to an enhanced feeling of power and driving performance as well as improving fuel economy.

In addition, the JF016E adopts a next-generation shift-by-wire system complementing Nissan's first push-button shifter.

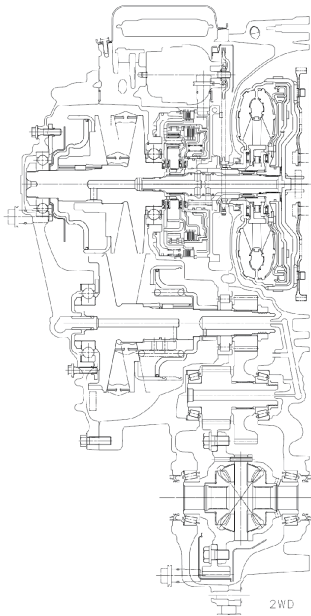


Fig. 1 Main cross-sectional view

Table 1 Specifications of JF016E

Torque capacity	250 Nm
Torque converter size	236 mm
Pulley ratios	2.631 - 0.378
Ratio coverage	7.0
Reverse gear ratio	0.745
Final gear ratio	5.385
Selector positions	P, R, N, D/M + Manual shift (Paddle) (Park & Shift by wire)
Overall length	358.8 mm
Weight (wet)	95.1 (2WD) / 95.6 (4WD)



Nissan Serena