

# Technical specifications

Engines	3.0-litre D-4D diesel	4.0 V6 VVT-i petrol
Engine code	1KD-FTV	1GR-FE
Type	L4, with VNT and intercooler	V6
Fuel type	48 Cetane diesel (or more)	95 Octane petrol (or more)
Injection type	Common-rail injection system	Sequential multiport injection
Injection pressure (bar)	1600	-
Valve mechanism	DOHC 16 valve	DOHC 24 valve with VVT-i
Displacement (cm <sup>3</sup> )	2,982	3,956
Bore x stroke (mm)	96.0 x 103.0	94.0 x 95.0
Compression ratio (:1)	17.9	10.0
Max. power (kW) DIN hp / rpm	(122) 166@3400	(183) 249@5200
Max. torque (Nm/rpm)	410@1800-2600	380@3800

## Transmission

Type		Full-time 4WD; LSD centre differential with diff-lock; transfer case		
Clutch type		Dry, single plate		
Gearbox type		6M/T	5A/T	
Engine type		3.0 D-4D	3.0 D-4D	4.0 V6 VVT-i
Gear ratios	1st	4.171	3.520	3.520
	2nd	2.190	2.042	2.042
	3rd	1.488	1.400	1.400
	4th	1.193	1.000	1.000
	5th	1.000	0.716	0.716
	6th	0.799	-	-
	Reverse	3.607	3.224	3.224
Differential gear ratio		3.909	3.909	3.727
Torsen LSD type		Friction-pressure		
Transfer case	Type	2-speed, planetary gear		
	Ratio - high	1.000		
	Ratio - low	2.566		
Additional features		Rear diff-lock or rear LSD available as option A-TRC (Active -Traction Control) available as option HAC (Hill-start Assist Control) available as option DAC (Downhill Assist Control) available as option		



## Cloud Forest Trail

### Performance

	Diesel version		Petrol version
Transmission	6M/T	5A/T	5A/T
Max. speed (km/h)	175	180	180
0-100 km/h (sec.)	11.5	11.2	9.1
0-400 m (sec.)	16.8	16.3	15.9

### Fuel consumption

	Diesel 6M/T		Diesel 5A/T		Petrol 5 A/T *	
Bodytype	3 door	5 door	3 door	5 door	3 door	5 door
Combined (l/100km)	9.0	9.1	8.9	9.0	12.6	12.7
Extra Urban (l/100km)	7.9	7.9	7.5	7.5	10.1	10.2
Urban (l/100km)	11.0	11.1	11.4	11.6	16.9	17.1
Fuel tank capacity (l)	87				87	

### CO<sub>2</sub> emissions

	Diesel 6M/T		Diesel 5A/T		Petrol 5A/T	
Bodytype	3 door	5 door	3 door	5 door	3 door	5 door
Combined (g/km)	242	244	240	243	301	305
Extra urban (g/km)	212	213	202	202	242	245
Urban (g/km)	293	298	306	312	403	407
Emissions level	EURO III		EURO III		EURO III	