

AUTOMATIC TRANSMISSION

Specifications

Engine stall revolution		1,950 ± 150 rpm
Engine idle speed	N range	650 rpm
Time lag	N range → D range	Less than 0.7 seconds
	N range → R range	Less than 1.2 seconds
Line pressure (wheel locked)		
Engine idling	D range	363 – 422 kPa 3.7 – 4.3 kgf/cm ² 53 – 61 psi
	R range	441 – 539 kPa 4.5 – 5.5 kgf/cm ² 64 – 78 psi
At stall	D range	1,089 – 1,334 kPa 11.1 – 13.6 kgf/cm ² 158 – 193 psi
	R range	1,373 – 1,667 kPa 14.0 – 17.0 kgf/cm ² 199 – 242 psi
Governor pressure		
Output shaft rpm	(Vehicle speed reference)	
1,000	(approx. 32 km/h, 20 mph)	78 – 118 kPa 0.8 – 1.2 kgf/cm ² 11 – 17 psi
1,800	(approx. 57 km/h, 35 mph)	186 – 255 kPa 1.9 – 2.6 kgf/cm ² 27 – 37 psi
3,500	(approx. 111 km/h, 69 mph)	547 – 618 kPa 5.6 – 6.3 kgf/cm ² 80 – 90 psi
Throttle cable adjustment		
Throttle valve fully closed		Between boot end face and inner cable stopper
		0.5 – 1.5 mm 0.020 – 0.059 in.
Throttle valve fully opened		32 – 34 mm 1.26 – 1.34 in.
Torque converter installation		15.7 mm (0.618 in.) or more
Torque converter runout	Limit	0.30 mm 0.0118 in.
Drive plate runout	Limit	0.20 mm 0.0079 in.

Shift point schedule km/h (mph)	D range (throttle valve fully open)						(fully closed)		2 range	L range
	1 → 2	2 → 3	3 → O/D	O/D → 3	3 → 2	2 → 1	Lock-up ON	Lock-up OFF	3 → 2	2 → 1
Tire size: P235/75R 15	33–46 (21–27)	75–88 (47–55)	110–123 (68–76)	101–114 (63–71)	66–78 (41–48)	28–41 (17–25)	71–82 (44–51)	65–76 (40–47)	77–90 (48–56)	36–48 (22–30)
Tire size: 31 X 10.5 R15	36–50 (22–31)	81–95 (50–59)	118–132 (73–82)	109–123 (68–76)	71–84 (44–52)	31–44 (19–27)	76–88 (47–55)	70–82 (43–51)	83–97 (52–60)	38–52 (24–32)

Torque Specifications

Part tightened		N·m	kgf·cm	ft·lbf
Engine x Transmission	14 mm head bolt	37	380	27
	17 mm head bolt	72	730	53
Torque converter x Drive plate		28	290	21
Frame crossmember set bolt		61	620	45
Frame crossmember set nut		59	600	43
Oil cooler pipe union nut		34	350	25
Propeller shaft x Transfer		88	900	65
Propeller shaft x Differential		88	900	65
Valve body x Transmission case		10	100	7