

SERVICE SPECIFICATIONS

AT0A1-01

SERVICE DATE

Engine stall revolution			2,150 ± 150 RPM.							
Engine idle speed		N position	650 RPM							
Time lag		N position → D position	Less than1.2seconds							
		N position → R position	Less than1.5seconds							
Line pressure (wheel locked)										
Engine idling		D position	461 — 520 kPa	4.7 — 5.3 kgf/cm ² 68 — 77 psi						
		R position	657 — 843 kPa	6.7 — 8.6 kgf/cm ² 97 — 125 psi						
At stall		D position	971 — 1,255 kPa	9.9 — 12.5 kgf/cm ² 144 — 181 psi						
		R position	1,647 — 1,853 kPa	16.8 — 18.9 kgf/cm ² 244 — 274 psi						
Throttle cable adjustment										
Throttle valve fully closed			Between boot end and inner cable stopper							
			0 — 1 mm	0 — 0.04 in.						
Throttle valve fully opened			32 — 34 mm	1.26 — 1.34 in.						
Torque convertor clutch			15.7 mm (0.618 in.) or more							
Torque convertor clutch		Limit	0.30 mm	0.0118 in.						
Drive plate runout		Limit	0.20 mm	0.0079 in.						
Shift point schedule km/h (mph)	Throttle valve opening		100%			25%		100%		
	Gear position		1 → 2	2 → 3	3 → O/D	Lock-up ON	Lock-up OFF	O/D → 3	3 → 2	2 → 1
	D position	Normal mode	52—58 (32—36)	106—117 (66—73)	152—163 (94—101)	60—66 (37—41)	55—60 (34—37)	145—156 (90—97)	98—104 (61—65)	42—47 (26—29)
		Power mode	52—58 (32—36)	106—117 (66—73)	152—163 (94—101)	88—94 (55—58)	68—74 (42—46)	145—156 (90—97)	98—104 (61—65)	42—47 (26—29)
	2 position	Normal mode Power mode	52—58 (32—36)	—	—	—	—	—	116—127 (72—79)	—
	L position	Normal mode (Power mode)	—	—	—	—	—	—	—	59—65 (37—40)

V02154

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Engine x Transmission 14 mm (0.55 in.) head bolt	37	380	27
Engine x Transmission 17 mm (0.67 in.) head bolt	72	730	53
Torque converter clutch x Drive plate	55	550	40
Frame crossmember set bolt	61	620	45
Frame crossmember set nut	59	600	43
Oil cooler pipe union nut	34	350	25
Oil cooler pipe tube-clamp x Transmission	10	100	7
Front differential x Front propeller shaft	74	750	54
Transfer x Front propeller shaft	74	750	54
Transfer x Rear propeller shaft	88	900	65
Rear differential x Rear propeller shaft	88	900	65
Crank shaft x Drive plate	100	1,000	72
Engine under cover x Frame	28	290	21
Transfer shift lever x Transmission	18	185	13
Oil pan set bolt	6.9	70	61 in·lbf
Drain plug	27	280	20
Valve body x Transmission case	10	100	7
Transfer under cover x Frame	28	290	21