SERVICE SPECIFICATIONS

SERVICE DATA

Engine stall revolution		1,900 ±150 rpm		
Engine idle speed		650 rpm		
Time lag	N position → D position	Less than 0.7 seconds		
	N position → R position	Less than 1.2 seconds		
Line pressure (wheel locked)				
Engine idling	D range	363 – 552 kPa	3.7 – 4.3 kgf/cm²	53 – 61 psi
	R range	441 – 539 kPa	4.5 – 5.5 kgf/cm²	64 – 78 psi
At Stall	D range	1,089 – 1,334 kPa	11.1 – 13.6 kgf/cm²	158 – 193 psi
	R range	1,373 – 1,667 kPa	14.0 – 17.0 kgf/cm²	199 – 242 psi
Throttle cable adjustment		Between boot end and inner cable stopper		
Accelerator pedal fully released		0 – 1 mm	0 – 0.04 in.	
Torque converter installation position		From install surface to front surface of transmission		
		43.8 mm (1.724 in.) or more		
Torque converter center sleeve runout		0.30 mm	0.0118 in.	
Drive plate runout		0.20 mm	0.0079 in.	

SHIFT AND LOCK–UP SCHEDULE

km/h (mph)

Up–shift point	(Throttle valve opening ratio 100%)	1 → 2	2 → 3	3 → O/D
D range	Normal mode	26–30 (16–19)	57–63 (35–39)	80–89 (50–55)
	Power mode	26–30 (16–19)	57–63 (35–39)	80–89 (50–55)
2 range	Normal, Power mode	–	–	–
L range	Normal, Power mode	–	–	–
Down–shift point	**(Throttle valve opening ratio 100%)**	**O/D → 3**	**3 → 2**	**2 → 1**
D range	Normal mode	75–84 (47–52)	50–56 (31–35)	19–23 (12–14)
	Power mode	75–84 (47–52)	50–56 (31–35)	19–23 (12–14)
2 range	Normal, Power mode	–	60–65 (37–40)	–
L range	Normal, Power mode	–	–	25–30 (16–19)

km/h (mph)

Lock–up point	Lock–up ON	Lock–up OFF
D range Normal mode	38–43 (24–27)	34–39 (21–24)
D range Power mode	45–50 (28–31)	41–46 (25–29)

(Throttle opening ratio 5%)

TORQUE SPECIFICATION

AT0A2–02

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 x Drive plate		55	550	40
Transmission rear crossmember x Frame		50	510	37
Transmission rear mounting		59	600	43
Oil cooler pipe union nut		34	350	25
Oil cooler pipe tube clamp x Transmission		10	100	7
Front propeller shaft x Parking brake drum		88	900	65
Front propeller shaft x Rear propeller shaft		88	900	65
Propeller shaft center bearing x Frame		25	250	18
Crank shaft x Drive plate		100	1,000	72
Exhaust pipe x Exhaust retarder		19	195	14
Exhaust manifold x Exhause pipe		62	630	64
Oil pan set bolt		6.9	70	61 in.·lbf
Drain plug		27	280	20
Valve body x Transmission case		10	100	7
Starter		72	730	53
Neutral start switch		13	130	9