SERVICE SPECIFICATIONS

SERVICE DATA

Line pressure (wheel locked)	Engine idling			
	D position	422–481 kPa	4.3–4.9 kgf/cm²	61–70 psi
	R position	520–618 kPa	4.3–6.3 kgf/cm²	75–90 psi
AT stall (Throttle valve fully opened)				
	D position	1,118–1,363 kPa	11.4–13.9 kgf/cm²	162–198 psi
	R position	1,373–1,716 kPa	14.0–17.5 kgf/cm²	199–249 psi
Engine stall revolution (D and R position)		2,850 ± 150 rpm		
Time lag	N → D position	Less than 1.2 seconds		
	N → R position	Less than 1.5 seconds		
Engine idle speed (A/C OFF)				
	N position	800 ± 50 rpm		
Throttle cable adjustment (Throttle valve fully opened)		Between boot and face and inner cable stopper		
		0–1 mm	0–0.04 in.	
Torque converter clutch installation distance		18.0 mm	1.0079 in.	
Drive plate runout	Max	0.20 mm	0.0079 in.	
Torque converter clutch sleeve runout	Max	0.30 mm	0.0118 in.	

AUTOMATIC SHIFT SCHEDULE

SHIFT POINT (Transfer shift position 'H2' or 'H4')

Shift position	Shifting point		Vehicle speed km/h (mph)
D (NORM)	Throttle valve fully opened	1→2	50–53 (31–33)
		2→3	90–96 (56–60)
		3→O/D	131–138 (81–86)
		O/D→3	125–132 (78–82)
		3→2	84–91 (52–57)
		2→1	40–44 (25–27)
	Throttle valve fully closed	3→O/D	35–39 (22–24)
		O/D→3	21–25 (13–16)
D (PWR)	Throttle valve fully opened	1→2	50–53 (31–33)
		2→3	90–96 (56–60)
		3→O/D	131–138 (81–86)
		O/D→3	125–132 (78–82)
		3→2	84–91 (52–57)
		2→1	40–44 (25–27)
	Throttle valve fully closed	3→O/D	38–42 (24–26)
		O/D→3	21–25 (13–16)
2 (NORM and PWR)	Throttle valve fully opened	1→2	43–46 (27–29)
		2→3	103–109 (64–68)
		3→2	97–103 (60–64)
		2→1	38–42 (24–26)
L (NORM and PWR)	Throttle valve fully opened	3→2	82–89 (51–55)
		2→1	47–51 (29–32)

LOCK– UP (Transfer shift position ’H2’ or ’H4’)

D position km/h (mph) Throttle valve opening 596	Lock –up ON	Lock–up OFF
’3rd Gear	**52–56 (32–35)**	**50–53 (31–33)**
0/D Gear (NORM)	**64–68 (40–42)**	**55–59 (34–37)**
O/D Gear (PWR)	**64–68 (40–42)**	**58–62 (36–39)**

*: O/D main switch OFF

TORQUE SPECIFICATIONS

Part tightened		N·m	kgf·cm	ft·lbf
Oil cooler pipe union nut		34	350	25
Torque converter clutch x Drive plate		41	420	30
Drive plate x Crankshaft		83	850	61
Parking lock pawl bracket		6.9	70	61 in.·lbf
Valve body x Transmission		10	100	7
Detent spring x Valve body		10	100	7
Solenoid x Valve body		10	100	7
Oil strainer		10	100	7
Oil pan		7.4	75	65 in.·lbf
No.2 vehicle speed sensor		16	160	12
Oil cooler hose		34	350	25
Cooler union		29	300	22
Park/Neutral position switch	Bolt	13	130	9
	Nut	6.9	70	61 in.·lbf
Control shaft lever		16	160	12
Cross shaft x Body		13	130	9
Cross shaft x Transfer shift linkage		13	130	9
Dust cover x No.2 dust cover	Bolt	17	175	13
	Nut	13	135	10
Dust cover x Transfer		36	370	27
Front differential front mounting bolt		147	1,500	108
Front differential rear mounting bolt		167	1,700	123
Oil pan drain plug		20	205	15
Exhaust manifold x Front exhaust pipe		62	630	46
Front exhaust pipe clamp		19	195	14
Front exhaust pipe bracket x Transmission		39	400	29
Front exhaust pipe x Three–way catalytic converter		39	400	29
Stiffener plate x Converter cover		37	380	27
Stabilizer bar link x Lower suspension arm		25	260	19
Stabilizer bar bracket x Frame		29	300	22
Engine under cover		29	300	22
Dynamic damper		37	380	27
Rear propeller shaft x Rear differential		74	750	54
Rear propeller shaft x Transfer		74	750	54
Front propeller shaft x Front differential		74	750	54
Front propeller shaft x Transfer		74	750	54
Rear support member x Transfer under cover		29	300	22
Rear support member x Frame		95	970	70