

AUTOMATIC TRANSMISSION / TRANSAXLE

SERVICE DATA

03117-02

U241E		
Line pressure (Wheel locked)	Engine idling D position R position AT stall (Throttle valve fully opened) D position R position	373 - 412 kPa (3.8 - 4.2 kgf-cm ² , 54 - 60 psi) 932 - 1,000 kPa (9.5 - 10.5 kgf-cm ² , 135 - 149 psi) 931 - 1,031 kPa (9.5 - 10.5 kgf-cm ² , 135 - 150 psi) 1,768 - 1,968 kPa (18.0 - 20.0 kgf-cm ² , 256 - 285 psi)
Engine stall revolution	D and R positions	2,350 ± 150 rpm
Time lag	N → D position N → R position	Less than 1.2 seconds Less than 1.5 seconds
Engine idle speed (A/C OFF)	N position	650 ± 50 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter runout	Max.	0.30 mm (0.0118 in.)
Differential oil seal drive in depth	LH side RH side	0 ± 0.5 mm (0 ± 0.020 in.) 0 ± 0.5 mm (0 ± 0.020 in.)
Shift schedule		
D position (Throttle valve fully opened)	1 → 2 2 → 3 3 → 4 4 → 3 3 → 2 2 → 1	56 - 63 km/h (35 - 39 mph) 104 - 112 km/h (65 - 70 mph) 168 - 181 km/h (104 - 112 mph) 159 - 173 km/h (99 - 108 mph) 98 - 106 km/h (61 - 66 mph) 47 - 53 km/h (29 - 33 mph)
(Throttle valve fully closed)	3 → 4 4 → 3	42 - 48 km/h (26 - 30 mph) 17 - 23 km/h (11 - 14 mph)
2 position (Throttle valve fully opened)	1 → 2 3 → 2 2 → 1	56 - 63 km/h (35 - 39 mph) 104 - 112 km/h (65 - 70 mph) 47 - 53 km/h (29 - 33 mph)
L position (Throttle valve fully opened)	3 → 2 2 → 1	104 - 112 km/h (65 - 70 mph) 51 - 58 km/h (32 - 36 mph)
Lock-up point 3rd gear	Throttle valve opening 5 %	
	Lock-up ON	97 - 105 km/h (60 - 65 mph)
	Lock-up OFF	95 - 102 km/h (59 - 63 mph)
O/D gear	Lock-up ON	63 - 70 km/h (39 - 43 mph)
	Lock-up OFF	61 - 67 km/h (32 - 42 mph)
U140F		
Line pressure (Wheel locked)	Engine idling D position R position AT stall (Throttle valve fully opened) D position R position	373 - 412 kPa (3.8 - 4.2 kgf-cm ² , 54 - 60 psi) 932 - 1,000 kPa (9.5 - 10.5 kgf-cm ² , 135 - 149 psi) 931 - 1,031 kPa (9.5 - 10.5 kgf-cm ² , 135 - 150 psi) 1,768 - 1,968 kPa (18.0 - 20.0 kgf-cm ² , 256 - 285 psi)
Engine stall revolution	D and R position	2,650 ± 150 rpm
Time lag	N → D position N → R position	Less than 1.2 seconds Less than 1.2 seconds
Engine idle speed (A/C OFF)	N position	700 ± 50 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter runout	Max.	0.30 mm (0.0118 in.)
Differential oil seal drive in depth	LH side RH side	0 ± 0.5 mm (0 ± 0.020 in.) 6 ± 0.5 mm (0.236 ± 0.020 in.)

Extension housing oil seal drive in depth		1.5 ± 0.4 mm (0.059 ± 0.016 in.)
Shift schedule		
D position		
(Throttle valve fully opened)		
	1 → 2	55 - 62 km/h (34 - 39 mph)
	2 → 3	103 - 111 km/h (64 - 69 mph)
	3 → 4	157 - 170 km/h (98 - 106 mph)
	4 → 3	148 - 161 km/h (92 - 100 mph)
	3 → 2	96 - 103 km/h (60 - 64 mph)
	2 → 1	43 - 49 km/h (27 - 30 mph)
(Throttle valve fully closed)		
	3 → 4	31 - 37 km/h (19 - 23 mph)
	4 → 3	17 - 23 km/h (11 - 14 mph)
2 position		
(Throttle valve fully opened)		
	1 → 2	55 - 62 km/h (34 - 39 mph)
	3 → 2	106 - 113 km/h (66 - 70 mph)
	2 → 1	43 - 49 km/h (27 - 30 mph)
L position		
(Throttle valve fully opened)		
	3 → 2	106 - 113 km/h (66 - 70 mph)
	2 → 1	48 - 54 km/h (30 - 34 mph)
Lock-up point		
3rd gear		Throttle valve opening 5 %
	Lock-up ON	157 - 170 km/h (98 - 106 mph)
	Lock-up OFF	148 - 161 km/h (92 - 100 mph)
O/D gear		Lock-up ON
	Lock-up ON	76 - 83 km/h (47 - 52 mph)
	Lock-up OFF	71 - 78 km/h (44 - 48 mph)
U151E		
Line pressure (Wheel locked)		
		Engine idling
		D position
		R position
		AT stall (Throttle valve fully opened)
		D position
		R position
		372 to 412 kPa (3.8 to 4.2 kgf·cm ² , 54 to 60 psi)
		672 to 742 kPa (6.9 to 7.6 kgf·cm ² , 97 to 108 psi)
		931 to 1,031 kPa (9.5 to 10.5 kgf·cm ² , 135 to 150 psi)
		1,768 to 1,968 kPa (18.0 to 20.1 kgf·cm ² , 256 to 285 psi)
Engine stall revolution		D and R positions
		2,100 ± 150 rpm
Time lag		N → D position
		N → R position
		Less than 1.2 seconds
		Less than 1.5 seconds
Engine idle speed		
(A/C OFF)		N position
		650 ± 50 rpm
Drive plate runout		Max.
Torque converter runout		Max.
		0.20 mm (0.0079 in.)
		0.30 mm (0.0118 in.)
Differential oil seal drive in depth		LH side
		RH side
		0 ± 0.5 mm (0 ± 0.020 in.)
		0 ± 0.5 mm (0 ± 0.020 in.)

U151E		
Shift schedule (Shift lever with Multi-mode automatic transmission & Gate shift type) D position (Throttle valve fully opened)	1 → 2 2 → 3 3 → 4 4 → 5 5 → 4 4 → 3 3 → 2 2 → 1 (Throttle valve fully closed) 4 → 5 5 → 4	39 to 48 km/h (24 to 30 mph) 79 to 90 km/h (49 to 56 mph) 129 to 147 km/h (80 to 91 mph) 191 to 213 km/h (119 to 132 mph) 184 to 205 km/h (114 to 127 mph) 125 to 142 km/h (78 to 88 mph) 74 to 84 km/h (46 to 52 mph) 36 to 43 km/h (22 to 27 mph) 45 to 53 km/h (28 to 33 mph) 35 to 42 km/h (22 to 26 mph)
Lock-up point D position 5th gear 4th gear 3th gear	Throttle valve opening 5 % Lock-up ON Lock-up OFF Lock-up ON Lock-up OFF Lock-up ON Lock-up OFF	 80 to 90 km/h (50 to 56 mph) 79 to 89 km/h (49 to 55 mph) 98 to 110 km/h (61 to 68 mph) 95 to 107 km/h (59 to 66 mph) 64 to 74 km/h (40 to 46 mph) 61 to 70 km/h (38 to 43 mph)
U151F		
Line pressure (Wheel locked)	Engine idling D position R position AT stall (Throttle valve fully opened) D position R position	372 to 412 kPa (3.8 to 4.2 kgf-cm ² , 54 to 60 psi) 672 to 742 kPa (6.9 to 7.6 kgf-cm ² , 97 to 108 psi) 931 to 1,031 kPa (9.5 to 10.5 kgf-cm ² , 135 to 150 psi) 1,768 to 1,968 kPa (18.0 to 20.1 kgf-cm ² , 256 to 285 psi)
Engine stall revolution	D and R positions	2,550 ± 150 rpm
Time lag	N → D position N → R position	Less than 1.2 seconds Less than 1.5 seconds
Engine idle speed (A/C OFF)	N position	650 ± 50 rpm
Drive plate runout Torque converter runout	Max. Max.	0.20 mm (0.0079 in.) 0.30 mm (0.0118 in.)
Differential oil seal drive in depth	LH side RH side	0 ± 0.5 mm (0 ± 0.020 in.) 6.0 ± 0.5 mm (0.236 ± 0.020 in.)
Shift schedule (Shift lever with Multi-mode automatic transmission & Gate shift type) D position (Throttle valve fully opened)	1 → 2 2 → 3 3 → 4 4 → 5 5 → 4 4 → 3 3 → 2 2 → 1 (Throttle valve fully closed) 4 → 5 5 → 4	42 to 49 km/h (26 to 30 mph) 81 to 88 km/h (50 to 55 mph) 132 to 143 km/h (82 to 89 mph) 195 to 207 km/h (121 to 129 mph) 187 to 200 km/h (116 to 124 mph) 128 to 139 km/h (80 to 86 mph) 76 to 82 km/h (47 to 51 mph) 36 to 42 km/h (22 to 26 mph) 46 to 51 km/h (29 to 32 mph) 35 to 41 km/h (22 to 25 mph)
Lock-up point D position 5th gear 4th gear 3th gear	Throttle valve opening 5 % Lock-up ON Lock-up OFF Lock-up ON Lock-up OFF Lock-up ON Lock-up OFF	 83 to 90 km/h (52 to 56 mph) 81 to 87 km/h (50 to 54 mph) 100 to 107 km/h (62 to 66 mph) 97 to 104 km/h (60 to 65 mph) 65 to 72 km/h (40 to 45 mph) 62 to 68 km/h (39 to 42 mph)