

AUTOMATIC TRANSMISSION / TRANSAXLE

030A9-11

SERVICE DATA

Line pressure (Fluid temperature): 50 to 80 °C (122 to 176 °F)		
	Engine idling	
	D position	361 to 421 kPa (3.7 to 4.3 kgf-cm ² , 54 to 61 psi)
	R position	482 to 562 kPa (4.9 to 5.7 kgf-cm ² , 70 to 82 psi)
	AT stall (Throttle valve fully opened)	
	D position	1,245 to 1,345 kPa (13 to 14 kgf-cm ² , 181 to 195 psi)
	R position	1,472 to 1,612 kPa (15 to 16 kgf-cm ² , 213 to 234 psi)
Engine stall revolution	D and R positions	2,400 ± 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	750 ± 50rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter runout	Max.	0.30 mm (0.0118 in.)
Extension housing oil drive in depth from flat end		2.0 mm (0.0079 in.)
Shift schedule	Differential gear ratio 3.615	
D, 6 position (normal, power)		
(Throttle valve fully opened)	1 → 2	58 to 68 km/h (36 to 42 mph)
	2 → 3	97 to 108 km/h (60 to 67 mph)
	3 → 4	146 to 162 km/h (91 to 101 mph)
	4 → 5	194 to 212 km/h (121 to 132 mph)
	5 → 6	Gear position does not change because the limiter is activated when vehicle speed reaches 250 km/h (155 mph).
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	5 → 4	187 to 202 km/h (116 to 126 mph)
	4 → 3	137 to 150 km/h (85 to 93 mph)
	3 → 2	87 to 95 km/h (54 to 59 mph)
	2 → 1	40 to 47 km/h (25 to 29 mph)
(Throttle valve fully closed)	5 → 6	66 to 74 km/h (41 to 46 mph)
	6 → 5	53 to 60 km/h (33 to 37 mph)
5 position (normal, power)		
(Throttle valve fully opened)	1 → 2	58 to 68 km/h (36 to 42 mph)
	2 → 3	97 to 108 km/h (60 to 67 mph)
	3 → 4	146 to 162 km/h (91 to 101 mph)
	4 → 5	194 to 212 km/h (121 to 132 mph)
	6 → 5	Gear position does not change because the limiter is activated when vehicle speed reaches 250 km/h (155 mph).
	5 → 4	187 to 202 km/h (116 to 126 mph)
	4 → 3	137 to 150 km/h (85 to 93 mph)
	3 → 2	87 to 95 km/h (54 to 59 mph)
	2 → 1	40 to 47 km/h (25 to 29 mph)
4 position (normal, power)		
(Throttle valve fully opened)	1 → 2	58 to 68 km/h (36 to 42 mph)
	2 → 3	97 to 108 km/h (60 to 67 mph)
	3 → 4	146 to 162 km/h (91 to 101 mph)
	5 → 4	205 to 220 km/h (127 to 137 mph)
	4 → 3	137 to 150 km/h (85 to 93 mph)
	3 → 2	87 to 95 km/h (54 to 59 mph)
	2 → 1	40 to 47 km/h (25 to 29 mph)
3 position (normal, power)		

SERVICE SPECIFICATIONS – AUTOMATIC TRANSMISSION / TRANSAXLE

(Throttle valve fully opened)	1 → 2	58 to 68 km/h (36 to 42 mph)
	2 → 3	97 to 108 km/h (60 to 67 mph)
	4 → 3	152 to 165 km/h (94 to 103 mph)
	3 → 2	87 to 95 km/h (54 to 59 mph)
	2 → 1	40 to 47 km/h (25 to 29 mph)
2 position (normal, power)		
(Throttle valve fully opened)	1 → 2	58 to 68 km/h (36 to 42 mph)
	3 → 2	102 to 114 km/h (63 to 71 mph)
	2 → 1	40 to 47 km/h (25 to 29 mph)
1 position (normal, power)		
(Throttle valve fully opened)	2 → 1	37 to 43 km/h (23 to 27 mph)
Shift schedule	Differential gear ratio 3.615	
D, 6 position (snow)		
(Throttle valve fully opened)	1 → 2	30 to 57 km/h (19 to 35 mph)
	2 → 3	61 to 98 km/h (38 to 61 mph)
	3 → 4	94 to 150 km/h (58 to 93 mph)
	4 → 5	137 to 202 km/h (85 to 125 mph)
	5 → 6	229 to 273 km/h (142 to 170 mph)
	6 → 5	181 to 235 km/h (112 to 146 mph)
	5 → 4	94 to 153 km/h (58 to 95 mph)
	4 → 3	49 to 90 km/h (30 to 56 mph)
	3 → 2	25 to 53 km/h (16 to 33 mph)
	2 → 1	4 to 9 km/h (2.5 to 5.6 mph)
(Throttle valve fully closed)	5 → 6	66 to 74 km/h (41 to 46 mph)
	6 → 5	53 to 60 km/h (33 to 37 mph)
5 position (snow)		
(Throttle valve fully opened)	1 → 2	30 to 57 km/h (19 to 35 mph)
	2 → 3	61 to 98 km/h (38 to 61 mph)
	3 → 4	94 to 150 km/h (58 to 93 mph)
	4 → 5	137 to 202 km/h (85 to 126 mph)
	6 → 5	259 to 276 km/h (161 to 172 mph)
	5 → 4	94 to 153 km/h (58 to 95 mph)
	4 → 3	49 to 90 km/h (30 to 56 mph)
	3 → 2	25 to 53 km/h (16 to 33 mph)
	2 → 1	4 to 9 km/h (2.5 to 5.6 mph)
4 position (snow)		
(Throttle valve fully opened)	1 → 2	30 to 57 km/h (19 to 35 mph)
	2 → 3	61 to 98 km/h (38 to 61 mph)
	3 → 4	94 to 150 km/h (58 to 93 mph)
	5 → 4	205 to 220 km/h (127 to 137 mph)
	4 → 3	49 to 90 km/h (30 to 56 mph)
	3 → 2	25 to 53 km/h (16 to 33 mph)
	2 → 1	4 to 9 km/h (2.5 to 5.6 mph)
3 position (snow)		
(Throttle valve fully opened)	1 → 2	30 to 57 km/h (19 to 35 mph)
	2 → 3	61 to 98 km/h (38 to 61 mph)
	4 → 3	152 to 165 km/h (94 to 103 mph)
	3 → 2	25 to 53 km/h (16 to 33 mph)
	2 → 1	4 to 9 km/h (2.5 to 5.6 mph)
2 position (snow)		
(Throttle valve fully opened)	1 → 2	30 to 57 km/h (19 to 35 mph)
	3 → 2	102 to 114 km/h (63 to 71 mph)

	2 → 1	4 to 9 km/h (2.5 to 5.6 mph)
1 position		
(Throttle valve fully opened)	2 → 1	37 to 43 km/h (23 to 27 mph)
Lock-up point	Throttle valve opening 5%	
D, 6, 5 position (normal, power)		
6th gear	Lock-up ON	71 to 78 km/h (44 to 48 mph)
	Lock-up OFF	67 to 75 km/h (42 to 47 mph)
5th gear	Lock-up ON	57 to 64 km/h (35 to 40 mph)
	Lock-up OFF	53 to 60 km/h (33 to 37 mph)
4 position (normal, power)		
4th gear	Lock-up ON	57 to 64 km/h (35 to 40 mph)
	Lock-up OFF	53 to 60 km/h (33 to 37 mph)
Flex lock-up point	Throttle valve opening 3%	
D, 6, 5, 4 (Acceleration)		
6th gear	Flex lock-up ON	57 to 64 km/h (35 to 40 mph)
	Flex lock-up OFF	55 to 62 km/h (34 to 39 mph)
5th gear	Flex lock-up ON	45 to 52 km/h (28 to 32 mph)
	Flex lock-up OFF	43 to 50 km/h (27 to 31 mph)
4th gear	Flex lock-up ON	32 to 39 km/h (20 to 24 mph)
	Flex lock-up OFF	31 to 37 km/h (19 to 23 mph)

NOTICE:

- All shift point values indicated in the above tables are actual values. Therefore, if checking a shift point with a drum tester, keep in mind that there is a range of error in the tester indication.
- If checking a shift point against the speed indicated on the speedometer, remember to consider the speedometer correction rate and range of error in the tester indication.