

AUTOMATIC TRANSMISSION (A650E)

SERVICE DATA

SS0H1-01

Line pressure (Wheel locked)		
	Idling	
	D position	395 – 455 kPa (4.0 – 4.7 kgf·cm ² , 57 – 65 psi)
	R position	0
	Stall	
	D position	1,200 – 1,360 kPa (12.2 – 13.9 kgf·cm ² , 174 – 198 psi)
	R position	1,655 – 1,960 kPa (16.8 – 20.0 kgf·cm ² , 240 – 284 psi)
Engine stall revolution	(D and R positions)	2,250 ± 150 rpm
Time lag	N → D position	Less than 1.2 seconds
	N → R position	Less than 1.5 seconds
Engine idle speed (N position and A/C OFF)		750 ± 50 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter clutch sleeve runout	Max.	0.30 mm (0.0118 in.)
Torque converter clutch installation (Correct distance)		More than 17.1 mm (0.673 in.)
Extension housing oil seal drive in depth from flat end		2.0 mm (0.079 in.)
Shift schedule	Differential gear ratio 3.266	
D, 4 position (Throttle valve fully opened)	1 → 2	63 – 73 km/h (39 – 45 mph)
	2 → 3	93 – 104 km/h (58 – 65 mph)
	3 → 4	145 – 161 km/h (90 – 100 mph)
	4 → 5	212 – 230 km/h (132 – 143 mph)
	5 → 4	205 – 218 km/h (127 – 135 mph)
	4 → 3	136 – 148 km/h (85 – 92 mph)
	3 → 2	81 – 87 km/h (50 – 54 mph)
	2 → 1	43 – 49 km/h (27 – 30 mph)
	4 → 5	34 – 39 km/h (21 – 24 mph)
	5 → 4	25 – 30 km/h (16 – 19 mph)
(Throttle valve fully closed)		
3 position (Throttle valve fully opened)	1 → 2	63 – 73 km/h (39 – 45 mph)
	2 → 3	93 – 104 km/h (58 – 65 mph)
	4 → 3	154 – 167 km/h (96 – 104 mph)
	3 → 2	81 – 87 km/h (50 – 54 mph)
	2 → 1	43 – 49 km/h (27 – 30 mph)
2 position (Throttle valve fully opened)	1 → 2	63 – 73 km/h (39 – 45 mph)
	3 → 2	100 – 108 km/h (62 – 67 mph)
	2 → 1	43 – 49 km/h (27 – 30 mph)
L position (Throttle valve fully opened)	2 → 1	18 – 23 km/h (11 – 14 mph)
Lock-up point	(Throttle valve opening 5%)	
5th gear (D position)	Lock-up ON	59 – 65 km/h (37 – 40 mph)
	Lock-up OFF	55 – 61 km/h (34 – 38 mph)
4th gear (4 position)	Lock-up ON	142 – 150 km/h (88 – 93 mph)
	Lock-up OFF	135 – 143 km/h (84 – 89 mph)
Flex lock-up point	(Throttle valve opening 3 %)	
D position (When accelerating)	Lock-up ON	47 – 53 km/h (29 – 33 mph)
	Lock-up OFF	45 – 51 km/h (28 – 32 mph)
4 position (When accelerating)	Lock-up ON	36 – 41 km/h (22 – 25 mph)
	Lock-up OFF	34 – 39 km/h (21 – 24 mph)