AUTOMATIC TRANSMISSION / TRANSAXLE

030A9–21

SERVICE DATA

A343F (2TR–FE)		
Line pressure (Wheel locked)		
	Engine idling	
	D position	377 to 436 kPa (3.8 to 4.4 kgf/cm^2, 54 to 63 psi)
	R position	536 to 634 kPa (5.5 to 6.5 kgf/cm^2, 78 to 92 psi)
	AT stall (Throttle valve fully open)	
	D position	1,043 to 1,165 kPa (10.6 to 11.9 kgf/cm^2, 151 to 169 psi)
	R position	1,294 to 1,569 kPa (13.1 to 16.0 kgf/cm^2, 188 to 226 psi)
Engine stall revolution (D and R positions)		2,000 ± 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 and N position)		Approx. 700 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter runout	Max.	0.30 mm (0.0118 in.)
Torque converter installation distance		More than 31.75 mm (1.2500 in.)
Lock–up point		
D position		
(Throttle valve opening 5%) 4th	Lock–up ON	60 to 67 km/h (37 to 42 mph)
	Lock–up OFF	54 to 61 km/h (34 to 38 mph)
3 position		
(Throttle valve opening 5%) 3th	Lock–up ON	60 to 67 km/h (37 to 42 mph)
	Lock–up OFF	54 to 61 km/h (34 to 38 mph)
Shift point		
D position		
(Throttle valve fully opened)	1 → 2	51 to 62 km/h (32 to 39 mph)
	2 → 3	102 to 113 km/h (63 to 70 mph)
	3 → O/D	132 to 147 km/h (82 to 91 mph)
	O/D → 3	121 to 133 km/h (75 to 83 mph)
	3 → 2	92 to 99 km/h (57 to 62 mph)
	2 → 1	37 to 42 km/h (23 to 26 mph)
(Throttle valve fully closed)	3 → O/D	47 to 56 km/h (29 to 35 mph)
	O/D → 3	23 to 28 km/h (14 to 17 mph)
2 position		
(Throttle valve fully opened)	1 → 2	51 to 62 km/h (32 to 39 mph)
	3 → 2	102 to 110 km/h (63 to 68 mph)
	2 → 1	37 to 42 km/h (23 to 26 mph)
L position		
(Throttle valve fully opened)	2 → 1	49 to 55 km/h (30 to 34 mph)
A750F (1KD–FTV)		
Line pressure (Wheel locked)		
	Engine idling	
	D position	362 to 423 kPa (3.7 to 4.3 kgf/cm^2, 53 to 61 psi)
	R position	484 to 565 kPa (4.9 to 5.8 kgf/cm^2, 70 to 82 psi)
	at stall (Throttle valve fully open)	
	D position	1,263 to 1,362 kPa (12.8 to 13.9 kgf/cm^2, 182 to 198 psi)
	R position	1,229 to 1,350 kPa (12.5 to 13.8 kgf/cm^2, 178 to 196 psi)
Engine stall revolution (D position)		2,600 ± 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 and N position)		Approx. 700 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter runout	Max.	0.30 mm (0.0118 in.)
Torque converter installation distance		More than 17.1 mm (0.673 in.)

Lock–up point		
D position		
(Throttle valve opening 5%) 5th	Lock–up ON	64 to 69 km/h (40 to 43 mph)
	Lock–up OFF	57 to 62 km/h (35 to 39 mph)
4 position		
(Throttle valve opening 5%) 4th	Lock–up ON	56 to 61 km/h (35 to 38 mph)
	Lock–up OFF	49 to 54 km/h (30 to 34 mph)
Shift point		
D position		
(Throttle valve fully opened)	1 → 2	32 to 43 km/h (20 to 27 mph)
	2 → 3	63 to 71 km/h (39 to 44 mph)
	3 → 4	89 to 101 km/h (55 to 63 mph)
	4 → 5	119 to 128 km/h (74 to 80 mph)
	5 → 4	112 to 121 km/h (70 to 75 mph)
	4 → 3	77 to 85 km/h (48 to 53 mph)
	3 → 2	45 to 50 km/h (28 to 31 mph)
	2 → 1	22 to 27 km/h (14 to 17 mph)
(Throttle valve fully closed)	4 → 5	50 to 55 km/h (31 to 34 mph)
	5 → 4	23 to 27 km/h (14 to 17 mph)
4 position		
(Throttle valve fully opened)	1 → 2	32 to 43 km/h (20 to 27 mph)
	2 → 3	63 to 71 km/h (39 to 44 mph)
	3 → 4	89 to 101 km/h (55 to 63 mph)
	5 → 4	140 to 150 km/h (87 to 93 mph)
	4 → 3	77 to 85 km/h (48 to 53 mph)
	3 → 2	45 to 50 km/h (28 to 31 mph)
	2 → 1	22 to 27 km/h (14 to 17 mph)
3 position		
(Throttle valve fully opened)	1 → 2	32 to 43 km/h (20 to 27 mph)
	2 → 3	63 to 71 km/h (39 to 44 mph)
	4 → 3	97 to 106 km/h (60 to 67 mph)
	3 → 2	45 to 50 km/h (28 to 31 mph)
	2 → 1	22 to 27 km/h (14 to 17 mph)
2 position		
(Throttle valve fully opened)	1 → 2	32 to 43 km/h (20 to 27 mph)
	3 → 2	64 to 73 km/h (40 to 45 mph)
	2 → 1	22 to 27 km/h (14 to 17 mph)
L position		
(Throttle valve fully opened)	2 → 1	22 to 27 km/h (14 to 17 mph)
A750F (1GR–FE)		
Line pressure (Wheel locked)		
	Engine idling	
	D position	362 to 423 kPa (3.7 to 4.3 kgf/cm^2, 53 to 61 psi)
	R position	484 to 565 kPa (4.9 to 5.8 kgf/cm^2, 70 to 82 psi)
	at stall (Throttle valve fully open)	
	D position	1,282 to 1,381 kPa (13.1 to 14.1 kgf/cm^2, 186 to 201 psi)
	R position	1,218 to 1,338 kPa (12.4 to 13.6 kgf/cm^2, 176 to 193 psi)
Engine stall revolution (D position)		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 and N position)		Approx. 700 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter runout	Max.	0.30 mm (0.0118 in.)
Torque converter installation distance		More than 17.1 mm (0.673 in.)

Lock–up point		
D position		
(Throttle valve opening 5%) 5th	Lock–up ON	56 to 61 km/h (35 to 38 mph)
	Lock–up OFF	49 to 54 km/h (30 to 34 mph)
4 position		
(Throttle valve opening 5%) 4th	Lock–up ON	67 to 72 km/h (42 to 45 mph)
	Lock–up OFF	59 to 65 km/h (37 to 40 mph)
Shift point		
D position		
(Throttle valve fully opened)	1 → 2	49 to 59 km/h (30 to 37 mph)
	2 → 3	94 to 103 km/h (58 to 64 mph)
	3 → 4	136 to 150 km/h (85 to 93 mph)
	4 → 5	174 to 184 km/h (108 to 114 mph)
	5 → 4	167 to 177 km/h (103 to 110 mph)
	4 → 3	121 to 131 km/h (75 to 81 mph)
	3 → 2	81 to 87 km/h (50 to 54 mph)
	2 → 1	38 to 43 km/h (24 to 27 mph)
(Throttle valve fully closed)	4 → 5	45 to 50 km/h (28 to 31 mph)
	5 → 4	27 to 32 km/h (17 to 20 mph)
4 position		
(Throttle valve fully opened)	1 → 2	49 to 59 km/h (30 to 37 mph)
	2 → 3	94 to 103 km/h (58 to 64 mph)
	3 → 4	136 to 150 km/h (85 to 93 mph)
	5 → 4	186 to 197 km/h (116 to 122 mph)
	4 → 3	121 to 131 km/h (75 to 81 mph)
	3 → 2	81 to 87 km/h (50 to 54 mph)
	2 → 1	38 to 43 km/h (24 to 27 mph)
3 position		
(Throttle valve fully opened)	1 → 2	49 to 59 km/h (30 to 37 mph)
	2 → 3	94 to 103 km/h (58 to 64 mph)
	4 → 3	130 to 140 km/h (81 to 87 mph)
	3 → 2	81 to 87 km/h (50 to 54 mph)
	2 → 1	38 to 43 km/h (24 to 27 mph)
2 position		
(Throttle valve fully opened)	1 → 2	49 to 59 km/h (30 to 37 mph)
	3 → 2	86 to 95 km/h (53 to 59 mph)
	2 → 1	38 to 43 km/h (24 to 27 mph)
L position		
(Throttle valve fully opened)	2 → 1	41 to 46 km/h (25 to 29 mph)