AUTOMATIC TRANSMISSION (A340E)

SERVICE DATA

SS0BO–01

Line pressure (Wheel locked)		
	Engine idling	
	D range	363 – 422 kPa (3.7 – 4.5 kgf/cm^2, 53 – 61 psi)
	R range	608 – 706 kPa (6.2 – 7.2 kgf/cm^2, 88 – 102 psi)
	AT stall (Throttle valve fully opened)	
	D range	932 – 1,177 kPa (9.5 – 12.0 kgf/cm^2, 135 – 171 psi)
	R range	1,569 – 1,912 kPa (16.0 – 19.5 kgf/cm^2, 228 – 277 psi)
Engine stall revolution	D and R ranges	2,000 ± 150 rpm
Time lag	N → D range	Less than 1.2 seconds
	N → R range	Less than 1.5 seconds
Engine idle speed (A/C OFF)	N range	700 ± 50 rpm
Throttle cable adjustment (Throttle valve fully opened)		Between boot end face and inner cable stopper 0 – 1 mm (0 – 0.04 in.)
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.)
Differential oil seal drive in depth	LH side	5.3 ± 0.5 mm (0.209 ± 0.020 in.)
	RH side	3.1 ± 0.5 mm (0.122 ± 0.020 in.)
Shift point		
D range		
(Throttle valve fully opened)	1 → 2	57 – 62 km/h (35 – 39 mph)
	2 → 3	105 – 113 km/h (65 – 70 mph)
	3 → O/D	139 – 143 km/h (86 – 89 mph)
	O/D → 3	133 – 140 km/h (83 – 87 mph)
	3 → 2	97 – 104 km/h (60 – 65 mph)
	2 → 1	42 – 46 km/h (26 – 29 mph)
(Throttle valve fully closed)	3 → O/D	34 – 38 km/h (21 – 24 mph)
	O/D → 3	25 – 29 km/h (16 – 18 mph)
2 range		
(Throttle valve fully opened)	1 → 2	57 – 62 km/h (35 – 39 mph)
	3 → 2	110 – 117 km/h (68 – 73 mph)
	2 → 1	42 – 46 km/h (26 – 29 mph)
L range		
(Throttle valve fully opened)	2 → 1	53 – 57 km/h (33 – 35 mph)
Lock–up point	(Throttle valve opening 5 %)	
O/D gear	Lock–up ON	76 – 80 km/h (47 – 50 mph)
	Lock–up OFF	69 – 74 km/h (43 – 46 mph)

SS0BP–01

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Extension housing installation bolt		36	370	27
Engine rear mounting x Extension housing		65	660	48
Engine rear mounting bracket	A	18	185	14
	B	58	590	43
Speedometer driven gear set bolt		16	160	12
No.2 vehicle speed sensor set bolt		15.7	160	12
ATF temperature sensor		15	155	11
Oil cooler elbow		29	300	21
Oil cooler pipe		34	350	25
Neutral start switch		13	130	9
Neutral start switch lock plate		3.9	40	35 in.·lbf
Control shift lever x Neutral start switch		15.7	160	12
Valve body set bolt		10	100	7
Oil strainer set bolt		10	100	7
Shift solenoid valve set bolt		10	100	7
Oil pan		7.4	75	65 in.·lbf
Drain plug		20	205	15
Parking lock pawl bracket set bolt		7.4	75	65 in.·lbf
Shift lever plate x Body		5.9	60	52 in.·lbf
Shift control rod x Shift lever		13	130	9
Control shaft x Shift lever sub–assembly		13	130	9
Radiator assembly x Body		31	310	23
Pivot bolt		59	600	43
Lock bolt		29	300	21
A/C compressor set bolt		25	250	18
PS pump pulley nut		43	440	32
PS pump x Engine		39	400	29
Intake camber stay set bolt		20	200	15
Exhaust pipe x Tail pipe		48	490	35
Exhaust pipe support bracket x Clamp		19	195	14
Exhaust pipe support bracket x Transmission		71	730	53
Exhaust pipe x Exhaust manifold		62	630	40
Frame auxiliary crossmember x Body		95	970	70
Stabilizer bar bracket x Body		29	300	21
Rear end plate x Transmission		37	380	27
Torque converter set bolt		41	420	30
Engine front mounting set bolt		38	387	28
Starter set bolt		39	400	29
Transmission x Engine		71	730	53
Drive plate x Engine		74	750	54