

A340E AUTOMATIC TRANSMISSION

SERVICE DATA

Line pressure (Wheel locked)		
Engine idling	D position	363 to 422 kPa (3.7 to 4.3 kgf/cm ² , 53 to 61 psi)
	R position	608 to 708 kPa (6.2 to 7.2 kgf/cm ² , 88 to 102 psi)
At stall (Throttle valve fully opened)	D position	932 to 1,177 kPa (9.5 to 12.0 kgf/cm ² , 135 to 171 psi)
	R position	1,569 to 1,912 kPa (16.0 to 19.0 kgf/cm ² , 228 to 277 psi)
Engine stall revolution	D and R positions	1,850 to 2,150 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	650 to 750 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%)	Lock-up ON	71 to 76 km/h (44 to 47 mph)
	Lock-up OFF	64 to 69 km/h (40 to 43 mph)
3 position (Throttle valve opening 5%)	Lock-up ON	71 to 76 km/h (44 to 47 mph)
	Lock-up OFF	64 to 69 km/h (40 to 43 mph)
Shift point		
D position (Throttle valve fully opened)	1 → 2	60 to 71 km/h (37 to 44 mph)
	2 → 3	119 to 129 km/h (74 to 80 mph)
	3 → O/D	154 to 167 km/h (95 to 103 mph)
	O/D → 3	142 to 152 km/h (88 to 94 mph)
	3 → 2	107 to 113 km/h (66 to 70 mph)
	2 → 1	43 to 48 km/h (27 to 30 mph)
D position (Throttle valve fully closed)	3 → O/D	59 to 68 km/h (37 to 42 mph)
	O/D → 3	27 to 31 km/h (17 to 19 mph)
2 position (Throttle valve fully opened)	1 → 2	60 to 71 km/h (37 to 44 mph)
	3 → 2	119 to 125 km/h (74 to 77 mph)
	2 → 1	43 to 48 km/h (27 to 30 mph)
L position (Throttle valve fully opened)	2 → 1	57 to 62 km/h (35 to 38 mph)

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TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Transmission control cable x Automatic transmission	14	143	10
Transmission control cable bracket No.1 x Automatic transmission	28	286	21
Engine mounting insulator rear No.1 x Automatic transmission	65	663	48
Automatic transmission x Engine (For bolt A)	71	724	52
Automatic transmission x Engine (For bolt B)	37	377	27
Torque converter clutch x Drive plate	48	489	35
Oil cooler tube clamp x Cylinder block (For bolt A)	12	122	8.9
Oil cooler tube clamp x Cylinder block (For bolt B)	5.0	51	44 in. *lbf
Oil cooler outlet tube No.1 x Automatic transmission	34	350	25
Oil cooler inlet tube No.1 x Automatic transmission	34	350	25
Oil filler tube x Automatic transmission	12	122	8.9
Front suspension member bracket x Body	33	336	24
Manifold stay x Automatic transmission (For bolt A)	71	724	52
Manifold stay x Automatic transmission (For bolt B)	44	449	33
Manifold stay x Exhaust manifold	30	306	22
Speed sensor x Automatic transmission	5.4	55	48 in. *lbf
Drain plug x Oil pan	20	204	15
Transmission wire set bolt x Automatic transmission	5.4	55	48 in. *lbf
Oil strainer x Valve body	10	100	7.0
Oil pan x Transmission case	7.4	75	65 in. *lbf
Shift solenoid valve SLU x Valve body	6.4	65	56 in. *lbf
Shift solenoid valve S1 x Valve body	6.4	65	56 in. *lbf
Shift solenoid valve S2 x Valve body	6.4	65	56 in. *lbf
Shift solenoid valve SLT x Valve body	6.4	65	56 in. *lbf
Valve body x Transmission case	11	110	8.0
Frame crossmember sub-assembly No. 3 x Engine mounting insulator rear No. 1	19	189	14
Frame crossmember sub-assembly No. 3 x Body	40	408	30
Park/neutral position switch x Automatic transmission (For nut)	6.9	70	61 in. *lbf
Park/neutral position switch x Automatic transmission (For bolt)	13	130	9.0
Battery x Negative battery terminal	3.9	40	35 in. *lbf
Temperature sensor x Automatic transmission	29	300	22
Floor shift assembly x Body	14	143	10
Floor shift gear shifting rod sub-assembly x Floor shift assembly	5.5	56	49 in. *lbf
Transmission control cable x Body	5.5	56	49 in. *lbf