

A246E AUTOMATIC TRANSAXLE

SERVICE DATA

Line pressure (Wheel locked)	Engine idling	
	D position	382 to 422 kPa (3.9 to 4.3 kgf/cm ² , 55 to 61 psi)
	R position	647 to 760 kPa (6.6 to 7.8 kgf/cm ² , 94 to 111 psi)
	At stall (Throttle valve fully opened)	
	D position	713 to 844 kPa (7.27 to 8.61 kgf/cm ² , 103 to 122 psi)
	R position	1,520 to 1,755 kPa (15.5 to 17.9 kgf/cm ² , 220 to 254 psi)
Engine stall revolution	D and R positions	2,400 to 2700 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 600	600 to 700 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Differential oil seal drive in depth	LH side	4.8 to 5.8 mm (0.189 to 0.229 in.)
	RH side	1.5 to 2.5 mm (0.059 to 0.098 in.)
Shift schedule		
D position		
(Throttle valve fully opened)	1 → 2	55 to 64 km/h (34 to 40 mph)
	2 → 3	103 to 114 km/h (64 to 71 mph)
	3 → O/D	161 to 178 km/h (100 to 110 mph)
	O/D → 3	154 to 170 km/h (96 to 106 mph)
	3 → 2	96 to 105 km/h (60 to 65 mph)
	2 → 1	42 to 48 km/h (26 to 30 mph)
(Throttle valve fully closed)	3 → O/D	32 to 39 km/h (20 to 24 mph)
	O/D → 3	15 to 21 km/h (9 to 13 mph)
2 position		
(Throttle valve fully opened)	1 → 2	55 to 64 km/h (34 to 40 mph)
	3 → 2	97 to 107 km/h (60 to 66 mph)
	2 → 1	42 to 48 km/h (26 to 30 mph)
L position		
(Throttle valve fully opened)	2 → 1	46 to 53 km/h (29 to 33 mph)
Locktoup point	Throttle valve opening 5 %	
3rd gear (O/D main switch OFF)	Locktoup ON 70	70 to 79 km/h (43 to 49 mph)
	Locktoup OFF	63 to 71 km/h (39 to 44 mph)
O/D gear	Locktoup ON	57 to 65 km/h (35 to 40 mph)
	Locktoup OFF	51 to 58 km/h (32 to 36 mph)

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TORQUE SPECIFICATIONS

Part Tightened		N*m	kgf*cm	ft*lbf
Park/neutral position switch x Transaxle	Bolt	5.5	56	49 in.*lbf
	Nut	5.5	56	49 in.*lbf
Control shaft lever x Park/neutral position switch		13	130	10
Battery carrier x Body		13	132	10
Battery clamp sub-assembly x Body		5.0	51	44 in.*lbf
Battery clamp sub-assembly x Battery clamp bolt		3.5	36	31 in.*lbf
Hood x Hood hinge		13	132	10
Engine hanger x Engine		38	387	28
Drain plug x Oil pan		18	180	14
Transaxle x Engine	Bolt A:	64	650	47
	Bolt B:	46	470	34
	Bolt C:	23	235	17
Torque converter clutch x Drive plate		28	285	20
Engine mounting bracket rear x Transaxle		64	652	47
Engine mounting bracket front x Transaxle		64	652	47
Center member x Body	Bolt A:	60	612	44
	Bolt B:	52	530	38
Engine mounting insulator rear x Engine mounting bracket rear		65	662	48
Engine mounting insulator rear x Suspension member		52	530	38
Engine mounting bracket LH x Transaxle		52	530	38
Engine mounting insulator LH x Body	Bolt A:	52	530	38
Engine mounting insulator LH x Engine mounting bracket LH	Nut B:	80	815	59
Engine mounting insulator front x Engine mounting bracket front		52	530	38
Starter x Transaxle		39	400	29
Starter wire x Starter		13	132	10
Transmission case protector x Transaxle		18	182	14
Oil filler tube x Transaxle		5.5	56	49 in.*lbf
Oil cooler tube clamp x Oil filler tube		5.5	56	49 in.*lbf
Oil cooler outlet tube x Transaxle		35	350	25
Oil cooler inlet tube x Transaxle		35	350	25
Wire harness clamp bracket x Transaxle		13	130	9
Wire harness x Transaxle	Bolt A:	26	260	19
	Bolt B:	10	102	7
	Bolt C:	13	132	10
Control cable bracket x Transaxle		12	122	9
Control cable support x Transaxle		12	122	9
Air cleaner assembly x Body		7.0	71	62 in.*lbf
Cylinder head cover No. 2 x Engine		7.0	71	62 in.*lbf
Speedometer sensor x Transaxle		11	115	9
Solenoid valve x Valve body	Bolt A:	11	110	8
	Bolt B:	11	110	8
	Bolt C:	6.5	66	58 in.*lbf
Valve body x Transaxle		10	100	7
Manual detent spring x Valve body		10	100	7
Oil strainer x Valve body		10	100	7
Oil pan x Transaxle		5.3	55	48 in.*lbf
Transmission wire x Transaxle		5.4	55	48 in.*lbf

Part Tightened		N*m	kgf*cm	ft*lbf
Floor shift assembly x Body		12	122	9
Control cable x Control shaft lever		12	122	9
Control cable x Body	Bolt	5.0	50	44 in.*lbf
	Nut	5.0	50	44 in.*lbf

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