

## AUTOMATIC TRANSMISSION (A340F)

### Service Data

Brake pack clearance	First and reverse brake (B <sub>2</sub> )		0.50 – 1.02 mm	0.0197 – 0.0402 in.
Accumulator piston spring		Free length mm (in.)	Coil outer diameter mm (in.)	Color
	B <sub>2</sub>	70.5 (2.776)	19.7 (0.776)	Yellow
	C <sub>2</sub>	68.5 (2.698)	20.2 (0.795)	Blue
	B <sub>0</sub>	69.7 (2.744)	16.7 (0.657)	Light Green
	C <sub>0</sub>	67.0 (2.638)	17.8 (0.701)	White

### Service Data/Torque Specifications (Refers to the A340E automatic transmission)

## AUTOMATIC TRANSMISSION (A340H)

### Service Data

### Transmission

### Service Data/Torque Specifications (Refer to the A340E automatic transmission)

### Transfer

### Service Data

Valve body spring	Spring	Free length mm (in.)	Coil outer diameter mm (in.)	Total No. of coils	Color
	(Upper valve body) Direct clutch accumulator valve	55.7 (2.193)	18.3 (0.720)	11.1	Blue
	(Center valve body) Low shift valve	29.2 (1.150)	8.2 (0.323)	13.0	Yellow
	Low-high relay valve	31.7 (1.248)	8.5 (0.335)	11.2	Light Blue
	Accumulator control valve	29.3 (1.154)	8.2 (0.323)	11.8	White
	(Lower valve body) Low-high shift timing valve	31.7 (1.248)	8.6 (0.339)	9.0	Red
	Low-high orifice control valve	29.7 (1.169)	9.0 (0.354)	12.3	Green
Accumulator piston spring	B <sub>4</sub> accumulator piston	66.5 (2.618)	19.0 (0.748)	—	Pink
Clutch piston stroke	Direct clutch (C <sub>3</sub> )	2.28 – 2.68 mm		0.0898 – 0.1055 in.	
	Front drive clutch (C <sub>4</sub> )	2.38 – 3.22 mm		0.0937 – 0.1268 in.	
Brake pack clearance	Low speed brake (B <sub>4</sub> )		0.91 – 2.10 mm	0.0358 – 0.0827 in.	
Bushing bore	Direct clutch drum	Limit	47.65 mm	1.8760 in.	
	Center support	Limit	35.08 mm	1.3811 in.	
	Front support	Limit	31.35 mm	1.2342 in.	
	Ring gear flange	Limit	35.08 mm	1.3811 in.	
	Planetary gear	Limit	18.08 mm	0.7118 in.	

## Service Data (Cont'd)

Planetary pinion gear thrust clearance		STD	0.30 – 0.60 mm	0.0118 – 0.0236 in.
		Limit	1.00 mm	0.0394 in.
Oil pump	Body clearance	STD	0.07 – 0.15 mm	0.0028 – 0.0059 in.
		Limit	0.3 mm	0.012 in.
	Tip clearance	STD	0.15 – 0.42 mm	0.0059 – 0.0165 in.
		Limit	0.6 mm	0.024 in.
	Side clearance	STD	0.04 – 0.15 mm	0.0016 – 0.0059 in.
		Limit	0.3 mm	0.012 in.
Flange thickness	Direct clutch (C <sub>3</sub> )		3.9 mm	0.154 in.
			4.1 mm	0.161 in.
			4.3 mm	0.169 in.
			4.5 mm	0.177 in.
	Low speed brake (B <sub>4</sub> )		3.8 mm	0.150 in.
			4.0 mm	0.157 in.
			4.2 mm	0.165 in.
			4.4 mm	0.173 in.
			4.6 mm	0.181 in.

## Torque Specifications

Part tightened		kg-cm	ft-lb	N-m
Extension housing × Chain rear case		345	25	34
Chain rear case × Chain front case		345	25	34
Chain front case × Transfer case		345	25	34
Transfer case × Transmission case		345	25	34
Valve body × Transfer case		100	7	10
Front support × Transfer case		345	25	34
Transfer oil pump × Chain rear case		160	12	16
Transfer chain oil receiver × Chain front case		100	7	10
Oil strainer × Chain rear case		70	61 in.-lb	6.9
Oil pump body × Oil pump cover		100	7	10
Front and rear companion flanges		1,250	90	123
Oil pan × Transfer case		75	65 in.-lb	7.4
No. 4 solenoid × Valve body		100	7	10
Transfer pressure switch × Valve body		70	61 in.-lb	6.9
Detent spring × Valve body		70	61 in.-lb	6.9
Parking lock pawl bracket		70	61 in.-lb	6.9
Cooler union		300	22	29
Transfer oil cooler tube union nut		350	25	34
Transfer position switch	Bolt	130	9	13
	Nut	40	35 in.-lb	3.9
Control shaft lever		160	12	16
Fluid temperature sensor		150	11	15