

Torque Specifications (Cont'd)

Part tightened	kg-cm	ft-lb	N·m
Oil pan x Transmission case	70	61 in.-lb	6.9
Transmission housing x Transmission case	650	47	64
A/T fluid temperature sensor x Transmission case	350	25	34
Oil cooler union x Transmission case	300	22	29
Neutral start switch x Transmission case	130	9	13
Neutral start switch x Manual valve shaft	70	61 in.-lb	6.9
Oil cooler pipe x Oil cooler union	350	25	34
Control shaft x Transmission case	130	9	13

TRANSFER Specifications

Idler gear thrust clearance	STD	0.275 – 0.625 mm	0.0110 – 0.0246 in.
	Limit	0.625 mm	0.0246 in.
High and low gear thrust clearance	STD	0.10 – 0.25 mm	0.0039 – 0.0098 in.
	Limit	0.25 mm	0.0098 in.
Rear output shaft			
High gear journal diameter	Limit	40.009 mm	1.5752 in.
Low gear journal diameter	Limit	40.009 mm	1.5752 in.
Runout	Limit	0.03 mm	0.0012 in.
High and low gear oil clearance	STD	0.019 – 0.068 mm	0.0007 – 0.0027 in.
	Limit	0.068 mm	0.0027 in.
Shift fork to hub sleeve clearance	Limit	1.0 mm	0.039 in.
Rear output shaft snap ring thickness	Mark		
	11	2.30 – 2.35 mm	0.0906 – 0.0925 in.
	17	2.60 – 2.65 mm	0.1024 – 0.1043 in.
Idler gear thrust washer thickness	STD	1.95 – 2.05 mm	0.077 – 0.081 in.
	Limit	1.65 mm	0.065 in.
Speedometer driven gear			
Oil seal drive in depth		20 mm	0.787 in.
Diaphragm push rod stroke		21 mm	0.82 in.
Clearance between transfer adapter and front case		0.4 – 0.5 mm	0.016 – 0.020 in.
Transfer front case adjusting shim thickness		2.28 – 2.32 mm	0.0898 – 0.0913 in.
		2.38 – 2.42 mm	0.0937 – 0.0952 in.
		2.48 – 2.52 mm	0.0976 – 0.0992 in.
Rear output shaft preload			
New bearing		15 – 24.7 kg-cm	13.0 – 21.4 in.-lb 1.5 – 2.4 N·m
Reused bearing		7 – 12 kg-cm	6.1 – 10.4 in.-lb 0.7 – 1.2 N·m
Rear output shaft preload adjusting shim	Mark		
	0	0.15 mm	0.0059 in.
	4	0.4 mm	0.016 in.
	5	0.5 mm	0.020 in.
	6	0.6 mm	0.024 in.
	7	0.7 mm	0.028 in.
	8	0.8 mm	0.031 in.
	9	0.9 mm	0.035 in.

Specifications (Cont'd)

Rear output shaft preload adjusting shim (Cont'd)	Mark		
	10	1.0 mm	0.039 in.
	11	1.1 mm	0.043 in.
	12	1.2 mm	0.047 in.
	13	1.3 mm	0.051 in.
	14	1.4 mm	0.055 in.
	15	1.5 mm	0.059 in.
Transfer solenoid Resistance	at 20°C (68°F)	37 – 44 Ω	

Torque Specifications

Part tightened	kg-cm	ft-lb	N-m	
Front companion flange lock nut	1,300	94	127	
Rear companion flange lock nut	1,300	94	127	
Idler gear x Transfer oil receiver	80	69 in.-lb	7.8	
Rear bearing retainer x Rear bearing retainer oil receiver	90	78 in.-lb	8.8	
Shift fork shaft x Shift fork	185	14	18	
Diaphragm cylinder body x Transfer front case	185	13	18	
Diaphragm cylinder x Diaphragm cylinder body	185	13	18	
Diaphragm push rod nut	375	27	37	
Diaphragm cylinder cover x Diaphragm cylinder	75	65 in.-lb	7.4	
Suction tube x Diaphragm cylinder cover	375	27	37	
Transfer front case x Transfer adapter	660	47	64	
Transfer front case x Transfer rear case	17 mm	650	47	64
	14 mm	400	29	39
Transfer rear case x Shift plug	450	33	44	
Idler gear shaft lock plate bolt	210	15	21	
Transfer rear case x Rear bearing retainer	350	25	34	
Transmission output shaft lock nut	1,300	94	127	
Transfer rear case x Transfer No.2 case cover	155	11	15	
Transfer rear case x Power take-off cover				
Sealer coated bolts	170	12	17	
Other bolts	195	14	19	
Speedometer driven gear lock nut plate bolt	130	9	13	
Transfer indicator switch	250	18	25	

PROPELLER SHAFT

Specifications

Propeller shaft runout	Limit	0.8 mm	0.031 in.
Spider bearing axial play		Less than 0.05 mm (0.0020 in.)	
Snap ring thickness	Color		
	Uncolored	2.00 mm	0.0787 in.
	Brown	2.03 mm	0.0799 in.
	Blue	2.06 mm	0.0811 in.
	Uncolored	2.09 mm	0.0823 in.