TRANSFER (HF1A)

Service Data

Input shaft	Input gear snap ring thickness and power take-off gear snap ring thickness	Mark		
		A	2.0 mm	0.0787 in.
		B	2.1 mm	0.0827 in.
		C	2.2 mm	0.0866 in.
		D	2.3 mm	0.0906 in.
		E	2.4 mm	0.0945 in.
		F	2.5 mm	0.0984 in.
		G	2.6 mm	0.1024 in.
		H	2.7 mm	0.1063 in.
		J	2.8 mm	0.1102 in.
	Input shaft rear ball bearing snap ring thickness	Mark		
		A	2.0 mm	0.0787 in.
		B	2.1 mm	0.0827 in.
		C	2.2 mm	0.0866 in.
		D	2.3 mm	0.0906 in.
		E	2.4 mm	0.0945 in.
Output shaft	High speed gear thrust clearance	STD	0.28 — 0.43 mm	0.0110 — 0.0169 in.
		Limit	0.43 mm	0.0169 in.
	Low speed gear thrust clearance	STD	0.20 — 0.45 mm	0.0079 — 0.0177 in.
		Limit	0.45 mm	0.0177 in.
	High speed gear and low speed gear oil clearance	STD	0.0075 — 0.034 mm	0.0003 — 0.0013 in.
		Limit	0.034 mm	0.0013 in.
	Output shaft journal outer diameter (High speed gear)	Limit	41.984 mm	1.6529 in.
	Output shaft journal outer diameter (Low speed gear)	Limit	42.984 mm	1.6923 in.
	Output shaft synchronizer ring to gear clearance	STD	0.75 — 1.65 mm	0.0295 — 0.0650 in.
		Limit	0.75 mm	0.0295 in.
	Shift fork to hub sleeve clearance	STD	0.1 — 0.4 mm	0.0039 — 0.0157 in.
		Limit	0.4 mm	0.0157 in.
	Output shaft journal length (High speed gear)	Limit	46.55 mm	1.8327 in.
	Output shaft journal length (Low speed gear)	Limit	62.35 mm	2.4547 in.
	High and low hub sleeve snap ring thickness	Mark		
		A	2.60 mm	0.1024 in.
		B	2.65 mm	0.1043 in.
		C	2.70 mm	0.1063 in.
		D	2.75 mm	0.1083 in.
		E	2.80 mm	0.1102 in.
		F	2.85 mm	0.1122 in.
		G	2.90 mm	0.1142 in.
	Front drive gear piece snap ring thickness	Mark		
		A	2.0 mm	0.0787 in.
		B	2.1 mm	0.0827 in.
		C	2.2 mm	0.0866 in.
		D	2.3 mm	0.0906 in.
		E	2.4 mm	0.0945 in.

Service Data (Cont'd)

Front extension housing assembly	Bearing snap ring	Mark		
		A	1.7 mm	0.0669 in.
		B	1.8 mm	0.0709 in.
	Front output shaft	Mark		
		A	1.8 mm	0.0709 in.
		B	1.9 mm	0.0748 in.
		C	2.0 mm	0.0787 in.
		D	2.1 mm	0.0827 in.
		E	2.2 mm	0.0866 in.
	Preload adjusting shim (Idler gear side)	Mark		
		A	0.15 mm	0.0059 in.
		B	0.30 mm	0.0118 in.
		C	0.45 mm	0.0177 in.
		D	2.40 mm	0.0945 in.
		E	2.60 mm	0.1024 in.
		F	2.80 mm	0.1102 in.
		G	3.00 mm	0.1181 in.
		H	3.20 mm	0.1260 in.
		J	3.40 mm	0.1339 in.
		K	3.60 mm	0.1417 in.
		L	3.80 mm	0.1496 in.
		M	4.00 mm	0.1575 in.
	Preload adjusting shim (Output shaft side)	Mark		
		A	0.15 mm	0.0059 in.
		B	0.30 mm	0.0118 in.
		C	0.45 mm	0.0177 in.
		D	1.00 mm	0.0394 in.
		E	1.20 mm	0.0473 in.
		F	1.40 mm	0.0551 in.
		G	1.60 mm	0.0630 in.
		H	1.80 mm	0.0709 in.
		J	2.00 mm	0.0787 in.
		K	2.20 mm	0.0866 in.
		L	2.40 mm	0.0945 in.
		M	2.60 mm	0.1024 in.

Torque Specifications

Part tightened	N·m	kgf·cm	ft·lbf
Screw plug (Rear extension housing)	19	190	14
Oil pump cover	4.9	50	43 in.·lbf
Oil receiver × Front case	5.4	55	48 in.·lbf
Shift outer lever × Inner lever	12	120	9
Oil strainer × Rear case	4.9	50	43 in.·lbf
Oil receiver × Rear case	13	130	9
Front case × Rear case	37	380	27
Case cover × Rear case	37	380	27
Rear extension housing × Rear case	37	380	27
Lock nut	128	1,300	94
Front extension housing × Front case	37	380	27
4WD indicator switch	37	380	27
Screw plug (Front case)	19	190	14
Motor actuator × Front case	19	195	14