TRANSFER (VF1A)

SERVICE DATA

SS08U-01

Breather hose		
Hose depth		13 mm (0.51 in.) or more
Oil pump body		
Body clearance	STD	0.09 – 0.16 mm (0.0035 – 0.0063 in.)
	Maximum	0.16 mm (0.0063 in.)
Tip clearance	STD	0.05 – 0.15 mm (0.0020 – 0.0059 in.)
	Maximum	0.15 mm (0.0059 in.)
Side clearance	STD	0.03 – 0.10 mm (0.0012 – 0.0039 in.)
	Maximum	0.10 mm (0.0039 in.)
Rear output shaft assembly		
Drive sprocket thrust clearance	STD	0.10 – 0.25 mm (0.0039 – 0.0098 in.)
	Maximum	0.25 mm (0.0098 in.)
Rear output shaft journal diameter		
part A	Minimum	27.98 mm (1.1016 in.)
part B	Minimum	36.99 mm (1.4563 in.)
Drive sprocket radial clearance	STD	0.010 – 0.055 mm (0.0004 – 0.0022 in.)
	Maximum	0.055 mm (0.0022 in.)
Front drive shift fork to clutch sleeve clearance	Maximum	1.0 mm (0.039 in.)
High and low shift fork to clutch sleeve clearance	Maximum	1.0 mm (0.039 in.)
Rear output shaft snap ring thickness	Mark	
	A	2.10 – 2.15 mm (0.0827 – 0.0846 in.)
	B	2.15 – 2.20 mm (0.0846 – 0.0866 in.)
	C	2.20 – 2.25 mm (0.0866 – 0.0886 in.)
	D	2.25 – 2.30 mm (0.0886 – 0.0906 in.)
	E	2.30 – 2.35 mm (0.0906 – 0.0925 in.)
	F	2.35 – 2.40 mm (0.0925 – 0.0945 in.)
	G	2.40 – 2.45 mm (0.0945 – 0.0965 in.)
	H	2.45 – 2.50 mm (0.0965 – 0.0984 in.)
	J	2.50 – 2.55 mm (0.0984 – 0.1004 in.)
	K	2.00 – 2.05 mm (0.0787 – 0.0807 in.)
	L	2.05 – 2.10 mm (0.0807 – 0.0827 in.)

Input shaft		
Input shaft journal outer diameter	Minimum	47.59 mm (1.8736 in.)
Input shaft bushing diameter	Maximum	39.14 mm (1.5409 in.)
Synchronizer ring to sprocket clearance	STD	1.05 – 1.85 mm (0.0413 – 0.0728 in.)
	Minimum	0.80 mm (0.0315 in.)
Input shaft snap ring thickness	Mark	
	A	2.10 – 2.15 mm (0.0827 – 0.0846 in.)
	B	2.15 – 2.20 mm (0.0846 – 0.0866 in.)
	C	2.20 – 2.25 mm (0.0866 – 0.0886 in.)
	D	2.25 – 2.30 mm (0.0886 – 0.0906 in.)
	E	2.30 – 2.35 mm (0.0906 – 0.0925 in.)
	F	2.35 – 2.40 mm (0.0925 – 0.0945 in.)
	G	2.40 – 2.45 mm (0.0945 – 0.0965 in.)
	H	2.45 – 2.50 mm (0.0965 – 0.0984 in.)
	J	2.50 – 2.55 mm (0.0984 – 0.1004 in.)
	K	2.55 – 2.60 mm (0.1004 – 0.1024 in.)
	L	2.60 – 2.65 mm (0.1024 – 0.1043 in.)
	M	2.65 – 2.70 mm (0.1043 – 0.1063 in.)
	N	2.70 – 2.75 mm (0.1063 – 0.1083 in.)
	P	2.75 – 2.80 mm (0.1083 – 0.1102 in.)
	Q	2.80 – 2.85 mm (0.1102 – 0.1122 in.)
	R	2.85 – 2.90 mm (0.1122 – 0.1142 in.)
	S	2.90 – 2.95 mm (0.1142 – 0.1161 in.)
	T	2.95 – 3.00 mm (0.1161 – 0.1181 in.)
	U	3.00 – 3.05 mm (0.1181 – 0.1201 in.)
Planetary gear		
Pinion gear thrust clearance	STD	0.11 – 0.84 mm (0.0043 – 0.0331 in.)
	Maximum	0.84 mm (0.0331 in.)
Pinion gear radial clearance	STD	0.009 – 0.038 mm (0.0004 – 0.0015 in.)
	Maximum	0.038 mm (0.0015 in.)
Outer bearing snap ring thickness	Mark	
	1	1.45 – 1.50 mm (0.0571 – 0.0591 in.)
	2	1.50 – 1.55 mm (0.0591 – 0.0610 in.)
	3	1.55 – 1.60 mm (0.0610 – 0.0630 in.)
	4	1.60 – 1.65 mm (0.0630 – 0.0650 in.)
	5	1.65 – 1.70 mm (0.0650 – 0.0669 in.)
Thrust inner bearing depth		7.7 – 8.3 mm (0.303 – 0.327 in.)

S503V-01

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Propeller shaft No.2 dust cover set bolt	17	175	13
Propeller shaft No.2 dust cover set nut	13	133	10
Propeller shaft dust cover	23	230	17
Crossmember x Engine rear mounting	13	130	9
Crossmember x Frame	95	970	70
Engine rear mounting x Transmission	40	410	30
Transfer x Transfer adaptor	38	390	28
Speedometer driven gear set bolt	11.5	115	8
4WD position switch	37	380	27
L4 position switch	37	380	27
Plugs	37	380	27
Front retainer	11.5	115	8
Control retainer	18	185	13
Companion flange lock nut	118	1,200	87
Extension housing	11.5	115	8
Front case x Rear case	28	285	20
Straight screw plug for shift fork shaft	18.6	190	14
Actuator assembly set bolt	20	200	14
Separator with oil strainer x Front case	7.5	80	69 in.·lbf
Oil pump body x Front case	7.5	80	69 in.·lbf
Straight screw plug for ring gear	18.6	190	14
Relief valve x Oil pump body	29.4	300	21
Oil pump plate x Oil pump body	7.4	75	65 in.·lbf