

Torque Specifications

Part tightened	N·m	kgf·cm	ft·lbf
Adaptor x Reduction gear case	39	400	29
Reduction gear case x Front case x Rear case	39	400	29
Rear case x Extension housing	39	400	29
Front case x Rear case	39	400	29
Reduction case x Front case	39	400	29
Reduction case x Transfer case cover	8.8	90	78 in·lbf
Output shaft x Companion flange	123	1,250	90
Front drive gear bearing retainer x Front case	18	185	13
Front case x Bearing retainer	18	185	13
Straight screw plug	12	120	9
Transfer indicator switch	34	350	25
Speedometer driven gear lock plate	11	115	8

TRANSFER (VF1A Type Transfer G58 R150F A340F) Specifications

Oil pump body	Body clearance	STD	0.10 – 0.16 mm	0.0039 – 0.0063 in.	
		Limit	0.16 mm	0.0063 in.	
	Tip clearance	STD	0.08 – 0.16 mm	0.0031 – 0.0063 in.	
		Limit	0.16 mm	0.0063 in.	
	Side clearance	STD	0.03 – 0.08 mm	0.0012 – 0.0031 in.	
		Limit	0.08 mm	0.0031 in.	
Rear output shaft assembly	Drive sprocket thrust clearance	STD	0.10 – 0.25 mm	0.0039 – 0.0098 in.	
		Limit	0.25 mm	0.0098 in.	
	Driven sprocket oil clearance	STD	0.010 – 0.055 mm	0.0004 – 0.0022 in.	
		Limit	0.055 mm	0.0022 in.	
	Rear output shaft journal diameter	Limit	Part A	27.98 mm	1.1016 in.
			Part B	36.98 mm	1.4559 in.
	Front drive shift fork to hub sleeve clearance	Limit		1.0 mm	0.039 in.
	High and low shift fork to hub sleeve clearance	Limit		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.			

Specifications (Cont'd)

Input shaft	Input shaft journal outer diameter	Limit	47.59 mm	1.8736 in.
	Input shaft bushing diameter	Limit	39.14 mm	1.5409 in.
	Synchronizer ring to sprocket clearance	STD	1.15 – 1.85 mm	0.0453 – 0.0728 in.
		Limit	0.8 mm	0.0031 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 – 0.86 mm	0.0043 – 0.0339 in.
		Limit	0.86 mm	0.0339 in.
	Pinion gear oil clearance	STD	0.009 – 0.038 mm	0.0004 – 0.0015 in.
		Limit	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.		
Inner bearing depth		5.0 – 5.6 mm	0.197 – 0.220 in.	
Oil seal	Speedometer driven gear oil seal depth		25 mm	0.98 in.
	Shift fork shaft oil seal depth		–0.5 – 0.5 mm	–0.020 – 0.020 in.

Torque Specifications

Part tightened	N·m	kgf·cm	ft·lbf
Oil pump plate	7.4	75	65 in·lbf
Straight screw plug for oil pump body	29	300	22
Straight screw plug for ring gear	19	190	14
Oil pump body x Front case	11	115	8
Separator with oil strainer	18	185	13
Straight screw plug for shift fork shaft	19	190	14
Front case x Rear case	37	380	27
Extension housing	11	115	8
Companion flange lock nut	118	1,200	87
Control retainer or upper cover	18	185	13
Front retainer	11	115	8
Transfer indicator switch	37	380	27
Transfer assembly x Transmission	37	380	27
Transfer L4 position switch	37	380	27

TRANSFER (Installation of Transfer)

Torque Specifications

Part tightened	N·m	kgf·cm	ft·lbf
Transfer x Transfer adaptor	39	400	29
W56			
	37	380	27
G 58, R 150F, A340F			
Engine rear mounting	25	260	19
Transfer x Dynamic damper	37	380	27
(Regular cab w/ Planetary gear type transfer)			