

PROPELLER SHAFT

Specifications

Spider axial play			Less than 0.05 mm (0.0020 in.)	
Spider bearing selection		Mark		
Bearing cup outer diameter		None	29.008 – 29.021 mm	1.1420 – 1.1426 in.
		Red	29.028 – 29.041 mm	1.1428 – 1.1433 in.
Bearing hole inner diameter		None	29.000 – 29.020 mm	1.1417 – 1.1425 in.
		Drill	29.021 – 29.042 mm	1.1426 – 1.1434 in.
Snap ring thickness	Color	Mark		
	None	1	2.100 – 2.150 mm	0.0827 – 0.0846 in.
	None	2	2.150 – 2.200 mm	0.0846 – 0.0866 in.
	None	3	2.200 – 2.250 mm	0.0866 – 0.0886 in.
	Brown	None	2.250 – 2.300 mm	0.0886 – 0.0906 in.
	Blue	None	2.300 – 2.350 mm	0.0906 – 0.0925 in.
	None	6	2.350 – 2.400 mm	0.0925 – 0.0945 in.
	None	7	2.400 – 2.450 mm	0.0945 – 0.0965 in.
	None	8	2.450 – 2.500 mm	0.0965 – 0.0984 in.
Runout		Limit	0.8 mm	0.031 in.

Torque Specifications

Part tightened	N·m	kgf·cm	ft·lbf	
Front differential x Front propeller shaft (4WD)	74	750	54	
Front propeller shaft x Transfer (4WD)	74	750	54	
Propeller shaft x Rear differential	3VZ-E (M/T)	76	780	56
	Ex. 3VZ-E (M/T)	74	750	54
Propeller shaft x Transfer 3VZ-E (M/T)	76	780	56	
	Ex. 3VZ-E (M/T)	74	750	54
Intermediate shaft x Propeller shaft (4WD)	3VZ-E (M/T)	76	780	56
	Ex. 3VZ-E (M/T)	74	750	54
Propeller shaft x Differential (2WD)	74	750	54	
Intermediate shaft x Propeller shaft (2WD)	74	750	54	
Center support bearing x Frame	36	370	27	
Intermediate shaft x Center bearing x Joint flange	181	1,850	134	
	1 st			
	2nd	Loosen nut		
	3rd	69	700	51
Front propeller shaft No. 2 dust cover set bolts	17	175	13	
Front propeller shaft No. 2 dust cover set nut	13	135	10	
(w/ VF 1 A type transfer and A340H)				
Front propeller shaft dust cover subassembly x Bracket	23	230	17	
Front propeller shaft dust cover subassembly x Transfer	37	370	27	
Propeller shaft protector x Frame	29	300	22	