

PROPELLER SHAFT & DIFFERENTIAL CARRIER

GI

MA

EM

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IDX

SECTION **PD**

MODIFICATION NOTICE:

- Service data and specifications (SDS) have been changed.
- VG33E engine model has been added for Australia.

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SERVICE DATA AND SPECIFICATIONS (SDS)

Propeller Shaft

GENERAL SPECIFICATIONS

2WD models (For General areas)

Applied model	KA24DE		Z24S, TD27		YD25DDTi
	Single cab, Double cab		Single cab, Double cab		Double cab
	Without ABS	With ABS	LHD		All
			Without ABS	With ABS	
Propeller shaft model	3S71H				3S80B
Number of joints	3				
Coupling type with transmission	Sleeve type				
Type of journal bearing	Solid type (disassembly type)				
Shaft length (Spider to spider)					
mm (in)	1st	541 (21.30)*1 641 (25.24)*2	641 (25.24)		667 (26.26)
	2nd	1,004 (39.53)	978 (38.50)	1,004 (39.53)	984 (38.74)
Shaft outer diameter					
mm (in)	1st	75 (2.95)			
	2nd	65 (2.56)			

*1: With A/T

*2: With M/T

2WD models (For Australia)

Applied model		KA24DE			VG30E	
		Single cab, Double cab				
		M/T	A/T		M/T	A/T
			Without ABS	With ABS		
Propeller shaft model		3S71H			3S80B	
Number of joints		3				
Coupling type with transmission		Sleeve type				
Type of journal bearing		Solid type (disassembly type)				
Shaft length (Spider to spider)						
mm (in)	1st	641 (25.24)	541 (21.30)		662 (26.06)	569 (22.40)
	2nd	1,004 (39.53)		978 (38.50)	1,005 (39.57)	
Shaft outer diameter						
mm (in)	1st	75 (2.95)				
	2nd	65 (2.56)				

SERVICE DATA AND SPECIFICATIONS (SDS)

Propeller Shaft (Cont'd)

2WD models (For Europe)

Applied model		KA24DE		YD25DDTi		
		Single cab, King cab		Without ABS	With ABS	4WD appearance
		Without ABS	With ABS			
Propeller shaft model		3S71H		3S80B		
Number of joints		3				
Coupling type with transmission		Sleeve type				
Type of journal bearing		Solid type (disassembly type)				
Shaft length (Spider to spider)						
mm (in)	1st	641 (25.24)		642 (25.28)		667 (26.26)
	2nd	1,004 (39.53)	978 (38.50)	1,005 (39.57)	979 (38.54)	984 (38.74)*3 964 (37.95)*4
Shaft outer diameter						
mm (in)	1st	75 (2.95)		65 (2.56)		
	2nd	65 (2.56)		65 (2.56)		

4WD models

Location		Front						Rear					
Applied model		KA24DE	VG30E	VG33E	ZD30DDTi	YD25DDTi	QD32	KA24DE	VG30E	VG33E	ZD30DDTi	YD25DDTi	QD32
Propeller shaft model		2F63H		2F71H			2F63H	3S71H	3S80B				
Number of joints		2						3					
Coupling type with transmission		Flange type						Sleeve type					
Type of journal bearing		Solid type (disassembly type)						Solid type (disassembly type)					
Shaft length (Spider to spider)		546 (21.50)				565 (22.24)		392 (15.43)	402 (15.83)		372 (14.65)	372 (14.65)*3	372 (14.65)
mm (in)	1st											377 (14.84)*4	
2nd		—				—		870 (34.25)	865 (34.06)	847 (33.35)	872 (34.33)	872 (34.33)*3 847 (33.35)*4	872 (34.33)
Shaft outer diameter		50.8 (2.000)						75 (2.95)			65 (2.56)		
mm (in)	1st												
2nd		—						65 (2.56)	75 (2.95)		65 (2.56)		

*3: With C200 final drive

*4: With H233B final drive

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive

GENERAL SPECIFICATIONS

2WD models (For General areas)

Applied model	KA24DE, TD27 and Z24S		KA24DE		YD25DDTi	
	M/T		A/T		All	
Final drive model	Standard	Optional	Standard	Optional	Standard	Optional
	C200					
	2-pinion	LSD	2-pinion	LSD	4-pinion	LSD
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)					
Gear ratio	4.111		4.375		4.625	
Number of teeth (Ring gear/drive gear)	37/9		35/8		37/8	

2WD models (For Australia)

Applied model	VG30E	KA24DE			
	M/T, A/T	M/T		A/T	
Final drive model	Standard	Standard	Optional	Standard	Optional
	C200				
	4-pinion	2-pinion	LSD	2-pinion	LSD
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)				
Gear ratio	4.111			4.375	
Number of teeth (Ring gear/drive gear)	37/9			35/8	

2WD models (For Europe)

Applied model	YD25DDTi						KA24DE	
	Except for double cab with 4WD appearance		Double cab with 4WD appearance				M/T	
Final drive model	Standard	Optional	Standard	Optional		Standard	Optional	
	C200				H233B		C200	
	4-pinion	LSD	4-pinion	LSD	4-pinion	LSD	4-pinion	LSD
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)							
Gear ratio	3.900		4.625				4.111	
Number of teeth (Ring gear/drive gear)	39/10		37/8				37/9	

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive (Cont'd)

4WD models (For General areas)

Applied model	KA24DE, QD32		ZD30DDTi	
Front final drive	R180A			
Gear ratio	4.625		4.375	
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)			
Final drive model	Standard	Optional	Standard	Optional
	C200			
	4-pinion	LSD	4-pinion	LSD
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)			
Gear ratio	4.625		4.375	
Number of teeth (Ring gear/drive gear)	37/8		35/8	

4WD models (For Australia)

Applied model	ZD30DDTi		VG30E		VG33E	
Front final drive	R180A		R200A			
Gear ratio	4.375				4.625	
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)					
Final drive model	Standard	Optional	Standard	Optional	Standard	Optional
	C200				H233B	
	4-pinion	LSD	4-pinion	LSD	4-pinion	LSD
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)				2.8 (4-7/8)	
Gear ratio	4.375				4.625	
Number of teeth (Ring gear/drive gear)	35/8				37/8	

4WD models (For Europe)

Applied model	YD25DDTi		KA24DE	
Front final drive	R180A			
Gear ratio	4.625			
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)			
Final drive model	Standard	Optional	Standard	Optional
	C200			
	4-pinion	LSD	4-pinion	LSD
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)			
Gear ratio	4.625			
Number of teeth (Ring gear/drive gear)	37/8			