

PROPELLER SHAFT & DIFFERENTIAL CARRIER

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SECTION PD

MODIFICATION NOTICE:

- Service data and specifications (SDS) have been added for Australia models.

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SERVICE DATA AND SPECIFICATIONS (SDS)

Propeller Shaft

GENERAL SPECIFICATIONS

4WD models (For Australia)

Location		Front			Rear		
		KA24DE	QD32	ZD30DDTi	KA24DE	QD32	ZD30DDTi
Applied model		Long wheelbase					
		M/T	M/T, A/T	M/T	M/T, A/T	M/T	
Propeller shaft model		2F63H		2F71H	3S71H	3S80B	
Number of joints		2			3		
Coupling type with transfer		Flange type			Sleeve type		
Type of journal bearing		Solid type (disassembly type)			Solid type (disassembly type)		
Type length (Spider to spider) mm (in)	1st	546 (21.50)	565 (22.24)		392 (15.43)	372 (14.65)	
	2nd	—			870 (34.25)	872 (34.33)	
Shaft outer diameter mm (in)	1st	50.8 (2.00)			75 (2.95)	65 (2.56)	
	2nd	—			65 (2.56)		

2WD models (For Australia)

Applied model		KA24DE		TD27		YD25DDTi				
		Long wheelbase								
		M/T		A/T		M/T				
Propeller shaft model		Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	4WD appearance
		Standard	Option	Standard	Option	Standard	Option	Standard	Option	
		3S71H						3S80B		
Number of joints		3								
Coupling type with transmission		Sleeve type								
Type of journal bearing		Solid type (disassembly type)								
Type length (Spider to spider) mm (in)	1st	641 (25.24)		541 (21.30)		641 (25.24)		642 (25.28)		667 (26.26)
	2nd	1,004 (39.53)	978 (38.50)	1,004 (39.53)	978 (38.50)	1,004 (39.53)	978 (38.50)	1,005 (39.57)	979 (38.54)	984 (38.74)
Shaft outer diameter mm (in)	1st	75 (2.95)					65 (2.56)			75 (2.95)
	2nd	65 (2.56)								

SERVICE DATA AND SPECIFICATIONS (SDS)

Propeller Shaft (Cont'd)

4WD models (For Europe)

Location		Front		Rear	
Applied model		KA24DE	YD25DDTi	KA24DE	YD25DDTi
Long wheelbase					
M/T					
Propeller shaft model		2F63H	2F71H	3S71H	3S80B
Number of joints		2		3	
Coupling type with transmission		Flange type		Sleeve type	
Type of journal bearing		Solid type (disassembly type)			
Type length (Spider to spider) mm (in)	1st	546 (21.50)	565 (22.24)	392 (15.43)	372 (14.65)
	2nd	—		870 (34.25)	872 (34.33)*1 847 (33.35)*2
Shaft outer diameter mm (in)	1st	50.8 (2.00)		75 (2.95)	65 (2.56)
	2nd	—		65 (2.56)	

*1: With C200 final drive

*2: With H233B final drive

2WD models (For Europe)

Applied model		KA24DE		YD25DDTi	
Long wheelbase					
M/T					
Propeller shaft model		Without ABS	With ABS	Without ABS	With ABS
		Standard	Option	Standard	Option
		3S71H		3S80B	
Number of joints		3			
Coupling type with transmission		Sleeve type			
Type of journal bearing		Solid type (disassembly type)			
Type length (Spider to spider) mm (in)	1st	641 (25.24)		642 (25.28)	
	2nd	1,004 (39.53)	978 (38.50)	1,005 (39.57)	979 (38.54)
Shaft outer diameter mm (in)	1st	75 (2.95)		65 (2.56)	
	2nd	65 (2.56)			

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SERVICE DATA AND SPECIFICATIONS (SDS)

Propeller Shaft (Cont'd)

4WD models (For the Middle East)

Location	Front	Rear	
Applied model	KA24DE		
	Long wheelbase		
	M/T		
Propeller shaft model	2F63H	3S71H	
Number of joints	2	3	
Coupling type with transmission	Flange type	Sleeve type	
Type of journal bearing	Solid type (disassembly type)		
Type length (Spider to spider) mm (in)	1st shaft	546 (21.50)	392 (15.43)
	2nd shaft	—	870 (34.25)
Shaft outer diameter mm (in)	1st shaft	50.8 (2.00)	75 (2.95)
	2nd shaft	—	65 (2.56)

2WD models (For the Middle East)

Applied model	KA24DE						TD27				
	Short wheelbase			Long wheelbase			Short wheelbase		Long wheelbase		
	M/T			A/T			M/T				
Propeller shaft model	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	
	Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option	
	3S71H										
Number of joints	3										
Coupling type with transmission	Sleeve type										
Type of journal bearing	Solid type (disassembly type)										
Type length (Spider to spider) mm (in)	1st shaft	641 (25.24)				541 (21.30)		641 (25.24)			
	2nd shaft	704 (27.72)	678 (26.69)	1,004 (39.53)	978 (38.50)	1,004 (39.53)	978 (38.50)	704 (27.72)	678 (26.69)	1,004 (39.53)	978 (38.50)
Shaft outer diameter mm (in)	1st shaft	75 (2.95)									
	2nd shaft	65 (2.56)									

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive

GENERAL SPECIFICATIONS

4WD models (For Australia)

Applied model	KA24DE		QD32		ZD30DDTi		
	Single cab, Double cab				Single cab, Double cab, King cab		
	M/T		M/T, A/T		M/T		
Front final drive model	R180A						
Gear ratio	4.625				4.375		
Number of teeth (Drive gear / Drive pinion)	37/8				35/8		
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)						
Rear final drive model	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	
	Standard	Option	Standard	Option	Standard	Option	
	C200						
	2-Pinion	LSD	2-Pinion	LSD	2-Pinion	LSD	2-Pinion
Gear ratio	4.625				4.375		
Number of teeth (Drive gear / Drive pinion)	37/8				35/8		
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)						

2WD models (For Australia)

Applied model	KA24DE				TD27			
	Single cab, Double cab		Double cab		Single cab, Double cab			
	M/T		A/T		M/T			
Rear final drive model	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS		
	Standard	Option	Standard	Option	Standard	Option		
	C200							
	2-Pinion	LSD	2-Pinion	LSD	2-Pinion	LSD	2-Pinion	
Gear ratio	4.111		4.375		4.111			
Number of teeth (Drive gear / Drive pinion)	37/9		35/8		37/9			
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)							

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SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive (Cont'd)

Applied model	YD25DDTi					
	Single cab, Double cab			Double cab		
	M/T					
Rear final drive model	Without ABS		With ABS		4WD appearance	
					Without ABS	With ABS
	Standard	Option		Standard	Option	
	C200					
	2-Pinion	LSD	2-Pinion	2-Pinion	LSD	2-Pinion
Gear ratio	3.900			4.625		
Number of teeth (Drive gear / Drive pinion)	39/10			37/8		
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)					

4WD models (For Europe)

Applied model	YD25DDTi								KA24DE		
	Single cab		King cab		Double cab				King cab		
Front final drive model	R180A										
Gear ratio	4.625										
Number of teeth (Drive gear / Drive pinion)	37/8										
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)										
Rear final drive model	Without ABS		With ABS	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS
	Standard	Option		Standard	Option	Standard		Option		Standard	Option
	C200							H233B*		C200	
	4-Pinion	LSD									
Gear ratio	4.625										
Number of teeth (Drive gear / Drive pinion)	37/8										
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)					2.4 (4-1/4)			1.3 (2-1/4)		

*: Patrol car

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive (Cont'd)

2WD models (For Europe)

Applied model	YD25DDTi									
	Single cab			King cab				Double cab		
Rear final drive model	Without ABS	With ABS	With-out ABS	With ABS	4WD appear-ance		Without ABS	With ABS	4WD appear-ance	
					With-out ABS	With ABS			With-out ABS	With ABS
	Standard	Option	Stan-dard	Option	Stan-dard	Option	Stan-dard	Option	Stan-dard	Option
	C200									
	2-Pin-ion	LSD	4-Pin-ion	LSD			2-Pin-ion	LSD	4-Pin-ion	LSD
Gear ratio	3.900			4.625		3.900			4.625	
Number of teeth (Drive gear / Drive pinion)	39/10			37/8		39/10			37/8	
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)									

Applied model	KA24DE				
	Single cab		King cab		
Rear final drive model	Without ABS	With ABS		Without ABS	With ABS
	Standard	Option		Standard	Option
	LSD				
Gear ratio	4.110				
Number of teeth (Drive gear / Drive pinion)	37/9				
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)				

4WD models (For the Middle East)

Applied model	KA24DE	
	Single cab	
Front final drive model	R180A	
Gear ratio	4.625	
Number of teeth (Drive gear / Drive pinion)	37/8	
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)	
Rear final drive model	Without ABS	With ABS
	Standard	Option
	C200	
	4-Pinion	
Gear ratio	4.625	
Number of teeth (Drive gear / Drive pinion)	37/8	
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)	

SERVICE DATA AND SPECIFICATIONS (SDS)

Final Drive (Cont'd)

2WD models (For the Middle East)

Applied model	KA24DE				TD27	
	Single cab					
	M/T			A/T		M/T
Rear final drive model	Without ABS		With ABS		Without ABS	With ABS
	Standard	Option		Standard	Option	Standard
	C200					
	2-Pinion		4-Pinion		2-Pinion	
Gear ratio	4.111	4.625	4.111	4.625	4.375	4.111
Number of teeth (Drive gear / Drive pinion)	37/9	37/8	37/9	37/8	35/8	37/9
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)					