

# PROPELLER SHAFT & DIFFERENTIAL CARRIER

GI

MA

EM

LC

EC

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AT

TF

**PD**

FA

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IDX

## SECTION **PD**

### MODIFICATION NOTICE:

- Service data and specifications (SDS) have been changed.

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# SERVICE DATA AND SPECIFICATIONS (SDS)

## Propeller Shaft

### GENERAL SPECIFICATIONS

#### 4WD models (For General areas)

Location		Front			Rear		
Applied model		KA24DE	QD32	ZD30DDTi	KA24DE	QD32	ZD30DDTi
		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)		

Location		Front	Rear
Applied model		YD25DDTi	
		Long wheelbase	
		M/T	
Propeller shaft model		2F71H	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	565 (22.24)	372 (14.65)
	2nd	—	872 (34.33)
Shaft outer diameter mm (in)	1st	50.8 (2.00)	65 (2.56)
	2nd	—	65 (2.56)

# SERVICE DATA AND SPECIFICATIONS (SDS)

## Propeller Shaft (Cont'd)

### 2WD models (For General areas)

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)								

### 4WD models (For the Middle East)

Location		Front		Rear	
Applied model		KA24DE	YD25DDTi	KA24DE	YD25DDTi
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)		Solid type (disassembly type)	
Shaft 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 (2.000)		75 (2.95)	65 (2.56)
	2nd	—		65 (2.56)	

### 2WD models (For the Middle East)

Applied model		KA24DE				YD25DDTi		
		Long wheelbase						
		M/T		A/T		M/T		
Propeller shaft model		Without ABS	With ABS	Without ABS	With ABS	Without ABS	With ABS	4WD appearance
		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 shaft	641 (25.24)		541 (21.30)		642 (25.28)		667 (26.26)
	2nd shaft	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 shaft	75 (2.95)						
	2nd shaft	65 (2.56)						

# SERVICE DATA AND SPECIFICATIONS (SDS)

## Final Drive

### GENERAL SPECIFICATIONS

#### 4WD models (For General areas)

Applied model	KA24DE			QD32			ZD30DDTi					
	Single cab, Double cab						Single cab, Double 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	
	Stan- dard	Option			Stan- dard	Option			Stan- dard	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)											
Applied model	YD25DDTi											
	Double 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				LSD				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 General areas)

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	
	Stan- dard	Option		Stan- dard	Option		Stan- dard	Option		Stan- dard	Option	
	C200											
	2-Pinion	LSD		2-Pinion		LSD		2-Pinion	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)											

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	
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)						

# SERVICE DATA AND SPECIFICATIONS (SDS)

## Final Drive (Cont'd)

### 4WD models (For the Middle East)

Applied model	KA24DE, YD25DDTi	
	Single cab, Double 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	
	2-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)	

### 2WD models (For the Middle East)

Applied model	KA24DE			
	Single cab, Double cab			
Rear final drive model	M/T		A/T	
	Without ABS	With ABS	Without ABS	With ABS
	Standard	Option	Standard	Option
	C200			
Rear final drive model	2-Pinion	4-Pinion	2-Pinion	2-Pinion
	4.111	4.625	4.111	4.625
	37/9	37/8	37/9	37/8
	35/8			
Oil capacity (Approx.) ℓ (Imp pt)	1.3 (2-1/4)			

Applied model	YD25DDTi							
	Single cab			Double cab				
Rear final drive model	Without ABS		With ABS	Without ABS		With ABS	4WD appearance	
							Without ABS	With ABS
	Standard	Option	Standard	Option	Standard	Option		
	C200							
	LSD							
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)							