

<SUPPLEMENT-VI>

# PROPELLER SHAFT & DIFFERENTIAL CARRIER

## SECTION **PD**

### MODIFICATION NOTICE:

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

## CONTENTS

<b>SERVICE DATA AND SPECIFICATIONS (SDS)</b> .....	6002	Propeller Shaft .....	6002
		Final Drive .....	6004

# SERVICE DATA AND SPECIFICATIONS (SDS)

## Propeller Shaft

### GENERAL SPECIFICATIONS

#### 4WD models (For Europe)

Location		Front		Rear	
		KA24DE	YD25DDTi	KA24DE	YD25DDTi
Applied model		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				
Propeller shaft model		M/T				
		Without ABS	With ABS	Without ABS	With ABS	4WD appearance
		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)		667 (26.26)
	2nd	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 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			
		Single cab									
		Short wheelbase		Long wheelbase				Short wheelbase		Long wheelbase	
Propeller shaft model		M/T				A/T		M/T			
		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
Propeller shaft model		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 Europe)

Applied model	YD25DDTi									KA24DE	
	Single cab			King cab			Duble 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

#### 2WD models (For Europe)

Applied model	YD25DDTi													
	Single cab			King cab				Duble cab						
Rear final drive model	Without ABS		With ABS		Without ABS	With ABS	4WD appearance		Without ABS		With ABS		4WD appearance	
							Without ABS	With ABS					Without ABS	With ABS
	Standard	Option		Standard	Option	Standard	Option	Standard	Option		Standard	Option	Standard	Option
	C200													
	2-Pinion	LSD		4-Pinion	LSD				2-Pinion	LSD	4-Pinion	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)													

# SERVICE DATA AND SPECIFICATIONS (SDS)

## Final Drive (Cont'd)

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)			

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

Applied model	KA24DE				TD27		
	Single cab						
Rear final drive model	M/T			A/T		M/T	
	Without ABS		With ABS		Without ABS	With ABS	
	Standard	Option		Standard	Option	Standard	Option
	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)						