PROPELLER SHAFT & DIFFERENTIAL CARRIER

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SECTION		

MA

EM

LC

EC

FE

MT

AT

TF

MODIFICATION NOTICE:

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

CONTENTS

SERVICE DATA AND SPECIFICATIONS (SDS)2	Final Drive
Propeller Shaft2	

FA

RA

BR ST

RS

BT

HA

EL

Propeller Shaft

GENERAL SPECIFICATIONS

4WD models (For Australia)

Location			Front			Rear			
		KA24DE	KA24DE QD32 ZD30DDTi KA24DE QD32						
Applied model			Long wheelbase						
		M/T	M/T M/T, A/T M/T M/T, A/T						
Propeller shaft mo	odel	2F6	63H	2F71H	3S71H	388	30B		
Number of joints			2		3				
Coupling type with	n transfer		Flange type		Sleeve type				
Type of journal be	earing	Solid	type (disassembly	type)	Solid type (disassembly type)				
Type length (Spi-	1st	546 (21.50)	565 (22.24)	392 (15.43) 372 (14.65)				
der to spider) mm (in)	2nd		_		870 (34.25)	872 (34.33)		
Shaft outer	1st		50.8 (2.00)		75 (2.95) 65 (2.56)				
diameter mm (in)	2nd		_			65 (2.56)			

2WD models (For Australia)

			KA2	4DE		TC)27		YD25DDTi		
Applied mod	lel		Long wheelbase								
		М	M/T A/T M/T								
		Without ABS	S With ABS ABS With ABS ABS With ABS ABS With ABS								
Propeller sha	aft model	Standard	Option	Standard	Option	Standard	Option	Standard	Option	appearance	
			3S71H 3S80B								
Number of jo	oints					3					
Coupling typ	e with trans-					Sleeve type					
Type of journ	nal bearing				Solid typ	oe (disasseml	oly type)				
Type length	1st	641 (2	25.24)	541 (21.30)	641 (25.24)	642 (25.28)	667 (26.26)	
(Spider to spider) mm (in)	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	1st		75 (2.95) 65 (2.56) 75							75 (2.95)	
diameter mm (in)	2nd					65 (2.56)	'				

Propeller Shaft (Cont'd)

4WD models (For Europe)

Location		Fro	ont	Re	ar			
		KA24DE	YD25DDTi	KA24DE	YD25DDTi			
Applied model			Long wh	neelbase				
			M/T					
Propeller shaft model		2F63H	2F71H	3S71H	3S80B			
Number of joints		2	2	3				
Coupling type with tra	nsmission	Flang	e type	Sleeve	e type			
Type of journal bearin	g		Solid type (dis	cassembly type)				
Time length (Crider	1st	546 (21.50)	565 (22.24)	392 (15.43)	372 (14.65)			
Type length (Spider to spider) mm (in)	2nd	_	_	870 (34.25)	872 (34.33)*1 847 (33.35)*2			
Shaft outer diameter	1st	50.8	(2.00)	75 (2.95)	65 (2.56)			
mm (in)	2nd	-	_	65 (2	2.56)			

^{*1:} With C200 final drive

2WD models (For Europe)

		KA2	KA24DE YD25DDTi							
Applied model			Long wheelbase							
			M/T							
		Without ABS	With ABS	Without ABS	With ABS	4WD ennourones				
Propeller shaft model		Standard	Option	Standard	Option	4WD appearance				
		3S7	′1H		3S80B					
Number of joints				3						
Coupling type with tra	nsmission			Sleeve type						
Type of journal bearin	g		Sc	olid type (disassembly typ	oe)					
Type length (Spider	1st	641 (2	25.24)	642 (2	5.28)	667 (26.26)				
to spider) mm (in)	2nd	1,004 (39.53)	978 (38.50)	1,005 (39.57)	979 (38.54)	984 (38.74)				
Shaft outer diameter	1st	75 (2	75 (2.95) 65 (2.56)							
mm (in)	2nd			65 (2.56)						

MA

EM

LC

EC

FE

GL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

EL

^{*2:} With H233B final drive

Propeller Shaft (Cont'd)

4WD models (For the Middle East)

Location		Front	Rear
		KA2	4DE
Applied model		Long wh	neelbase
		M	Л
Propeller shaft model		2F63H	3S71H
Number of joints		2	3
Coupling type with tra	nsmission	Flange type	Sleeve type
Type of journal bearin	g	Solid type (dis	assembly type)
Type length (Spider	1st shaft	546 (21.50)	392 (15.43)
Type length (Spider to spider) mm (in)	2nd shaft	_	870 (34.25)
Shaft outer diameter	1st shaft	50.8 (2.00)	75 (2.95)
mm (in)	2nd shaft	_	65 (2.56)

2WD models (For the Middle East)

				KA2	4DE				TD	27	
Applied model		Short wh	Short wheelbase Long wheelbase Short wheelbase Long v							Long wh	neelbase
			M/T A/T M/T								
		Without ABS	I WITH ABS I I WITH ABS I I WITH ABS I I WITH ABS I I W								With ABS
Propeller shaft model		Standard	Option	Standard	Option	Standard	Option	Standard	Option	Standard	Option
						387	71H				
Number of joints						:	3				
Coupling type with tra	nsmission					Sleev	e type				
Type of journal bearin	g				So	id type (disa	assembly ty	pe)			
Type length (Chider	1st shaft		641 (2	25.24)		541 (2	21.30)		641 (2	25.24)	
Type length (Spider to spider) mm (in)	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	1st shaft		75 (2.95)								
mm (in)	2nd shaft					65 (2	2.56)				

Final Drive

GENERAL SPECIFICATIONS

4WD models (For Australia)

		KA2	4DE			QI	032			ZD30)DDTi		UWI/A\
Applied model			S	ingle cab,	Double ca	ab			Single	cab, Doub	ole cab, Ki	ng cab	
		М	/T			M/T	, A/T			M	I/T		EM
Front final drive model		R180A											
Gear ratio		4.625 4.375								LC			
Number of teeth (Drive gear / Drive pinion)		37/8 35/8								r@			
Oil capacity (Approx.) ℓ (Imp pt)						1.3 (2-1/4)						EC
	Withou	ut ABS	With	ABS	Withou	ut ABS	With	ABS	Withou	ut ABS	With	ABS	FE
Rear final drive model	Stan- dard		Option		Stan- dard		Option		Stan- dard		Option		
						C2	200		•				CL
	2-Pinion	LS	SD	2-Pi	nion	LS	SD	2-P	inion	LS	SD	2-Pinion	
Gear ratio				4.6	625					4.3	375		MT
Number of teeth (Drive gear / Drive pinion)				37	7/8					35	5/8		
Oil capacity (Approx.) ℓ (Imp pt)						1.3 (2-1/4)						AT

2WD models (For Australia)

				KA2	4DE					TD)27	
Applied model	S	ingle cab,	Double ca	ab		Doubl	e cab		Single cab, Double cab			
		М	/T		A/T					М	/T	
	Withou	nout ABS With ABS		ABS	Withou	ut ABS	With	ABS	Withou	ut ABS	With	ABS
Rear final drive model	Stan- dard		Option		Stan- dard		Option		Stan- dard		Option	
Treat mar arre meas.					C2	00						
	2-Pinion LSD 2-Pin			nion	n LSD 2-Pinion			2-Pinion	LS	SD	2-Pinion	
Gear ratio		4.1	11		4.375				4.111			
Number of teeth (Drive gear / Drive pinion)		37	7/9		35/8					37	7/9	
Oil capacity (Approx.) ℓ (Imp pt)					•	1.3 (2	2-1/4)					

MA

MT

TF

PD

FA

RA

BR

ST

RS

BT

HA

EL

SERVICE DATA AND SPECIFICATIONS (SDS) Final Drive (Cont'd)

				YD25	DDTi					
Applied model		Single cab,	Double cab			Doubl	le cab			
ear final drive model				М	/T					
	\\/;+l= =.	ut ABS	With	ADC		4WD app	pearance			
	vvitnot	II ABS	VVIII	ABS	Withou	ut ABS	With	ABS		
Rear final drive model	Standard		Option		Standard		Option			
tear final drive model				C2	200			With ABS Option 2-Pinion		
	2-Pinion	L	SD	2-Pinion	2-Pinion	LS	SD	2-Pinion		
Gear ratio		3.	900		4.625					
Number of teeth (Drive gear / Drive pinion)		39	9/10			37	7/8			
Oil capacity (Approx.) ℓ (Imp pt)				1.3 (2	2-1/4)					

4WD models (For Europe)

A marke at an entat				YD25	DDTi					KA2	4DE	
Applied model	Singl	ABS										
Front final drive model					R1	80A						
Gear ratio		4.625										
Number of teeth (Drive gear / Drive pinion)		37/8										
Oil capacity (Approx.) ℓ (Imp pt)		1.3 (2-1/4)										
	Without AB	S			_							
Rear final drive model	Standard	Ор	tion		Option	Stan	dard	Op	tion		Option	
			C2	200				H23	3B*	C2	200	
	4-Pinion					LSD		•				
Gear ratio	•				4.6	625						
Number of teeth (Drive gear / Drive pinion)					37	7/8						
Oil capacity (Approx.) ℓ (Imp pt)			1.3 (2-1/4)				2.4 (4	1-1/4)	1.3 (2	2-1/4)	

^{*:} Patrol car

SERVICE DATA AND SPECIFICATIONS (SDS) Final Drive (Cont'd)

2WD models (For Europe)

Applied model	YD25DDTi														
, applied model	Single cab				King cab				Double cab						
Rear final drive model	Without ABS Wit				ith ABS	With- out ABS	With -		4WD appear- ance			With ABS		4WD appear- ance	
				With				With- out ABS	With ABS	Without ABS				With- out ABS	With ABS
	Standard			Option		Stan- dard	Option	Stan- dard	Option	Stan- dard		Option		Stan- dard	Option
	2-Pin-	1 180			4-Pin-			C200 LSD			2-Pin-	LSD	4-Pin-	L	SD
Gear ratio	ion			3.900	ion				325		ion 3.9	ion		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									Ki	King cab				
Rear final drive model	Without ABS				With ABS				Without ABS				Wit	h ABS	
	Standard				Option S			Standard Option			ption				
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 th	e Mi	ddle	East)											
Applied model								KA24DE Single ca							
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														
piriiori)															

SERVICE DATA AND SPECIFICATIONS (SDS) Final Drive (Cont'd)

2WD models (For the Middle East)

Applied model		TD27									
		N	1/T		A/	Т	M/T				
Rear final drive model	Withou	ut ABS	With	ABS	Without ABS	With ABS	Without ABS	With ABS			
	Standard		Option		Standard	Option	Standard	Option			
	C200										
	2-Pi	nion	4-Pi	inion	2-Pinion						
Gear ratio	4.111	4.625	4.111	4.625	4.3	75	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)										