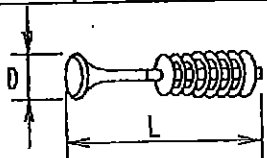
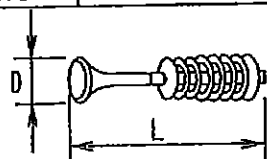
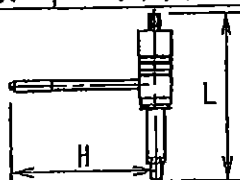
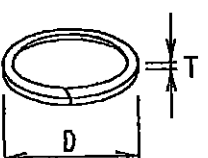
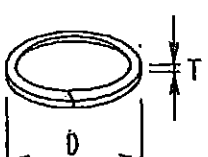
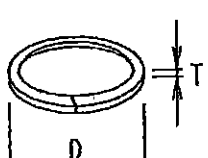
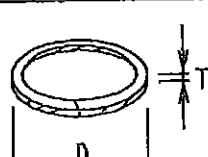
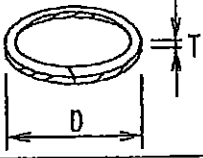
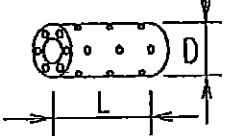
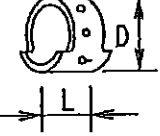
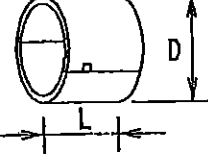
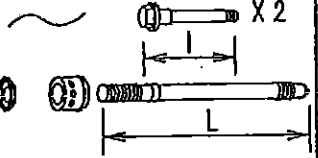
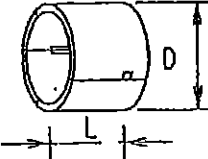
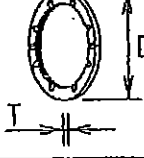


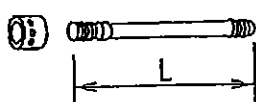
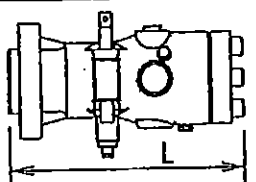
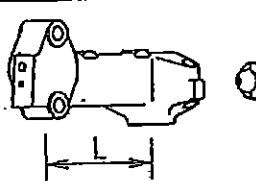
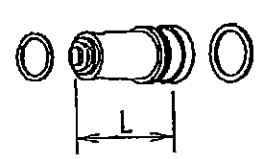
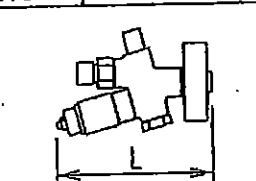
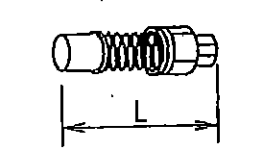
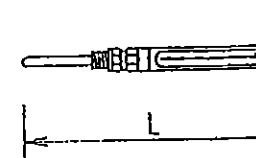
DIESEL ENGINE
LIST OF SPARE PARTS

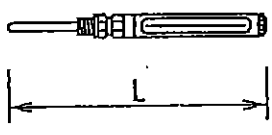
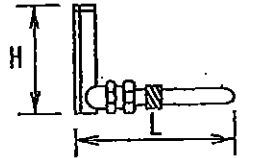
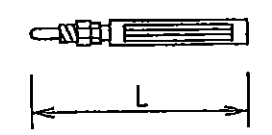
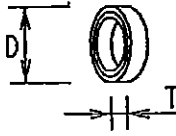
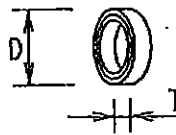
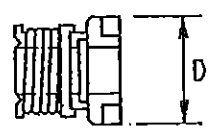
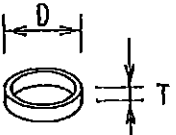
DAIHATSU DIESEL MFG. CO., LTD.
TECHNICAL DEPARTMENT
OSAKA JAPAN

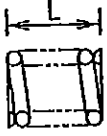
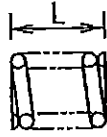

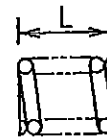

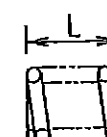

HULL No.	H2431/32/33	DRAWN BY	<i>N. Kato</i>
TYPE	6DK-28	CHECKED BY	<i>J. Terachi</i>
LIST No.	AQA10003769A		<i>Senshi</i>
DATE	2007. 01. 19	APPROVED BY	<i>A</i>








SPARE PARTS						PAGE		
TYPE 6DK-28						SHIP NO.		
						BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
1	INTAKE VALVE ASSY キユウキハ'ンASSY	No. 00100 	ASSY	48	2	E28577 9520	D = 95.0 L = 396.5 WEIGHT 3.420 Kg	
	INTAKE VALVE							
2	EXHAUST VALVE ASSY ハイキハ'ンASSY	No. 00100 	ASSY	48	4	E28587 9520	D = 90.0 L = 396.5 WEIGHT 3.320 Kg	
	EXHAUST VALVE							
3	NOZZLE HOLDER (COOLING) ASSY. ノズルホルタ' (レイキヤク) ASSY	No. 01108 	PCHS	24	3	E28627 0360	H = 327.0 L = 334.3 WEIGHT 6.000 Kg	
	F. O. INJECTION DEVICE							
4	PISTON RING (1) EB ピ'ストンリング' (1) EB	No. 01500 	RIK21A	24	1	E28517 0180	D = 280.0 T = 6.0 WEIGHT 0.600 Kg	
	PISTON							
5	PISTON RING (2) BF ピ'ストンリング' (2) BF	No. 01500 	RIK21A	24	1	E28517 0190	D = 280.0 T = 6.0 WEIGHT 0.600 Kg	
	PISTON							
6	PISTON RING (3) TP ピ'ストンリング' (3) TP	No. 01500 	RIK21A	24	1	E28517 0200	D = 280.0 T = 6.0 WEIGHT 0.360 Kg	
	PISTON							
7	OIL RING オイルリング'	No. 01600 	SPE. CAST	24	1	E28510 0220	D = 280.0 T = 10.0 WEIGHT Kg	
	PISTON							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						








SPARE PARTS					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
8	OIL RING (COIL-B) オイルリング (コイル-B)	No. 01600 	RIK21A	24	1	E28517 0230	D= 280.0 T= 5.5 WEIGHT 0.600 Kg	
	PISTON							
9	PISTON PIN ピストンピン	No. 01702 	ASSY	24	1	DK-28 017	D= 125.0 L= 240.0 WEIGHT 18.500 Kg	
10	PISTON PIN BUSH ピストンピンブッシュ	No. 01803 	S10C LBC3	24	1	E28527 0030	D= 135.0 L= 138.0 WEIGHT 1.800 Kg	
	CONNECTING ROD							
11	CRANKPIN BEARING SHELL クランクピンメタル	No. 02300 	S10C A40	24	1	E28527 0010	D= 247.0 L= 109.0 WEIGHT 3.600 Kg	
	CONNECTING ROD							
12	CRANK PIN BOLT ASSY クランクピンボルト ASSY	No. 02413 	ASSY	48	2	E28527 9530	L= 131.0 L= 350.0 WEIGHT 5.000 Kg	
	CONNECTING ROD							
13	MAIN BEARING SHELL メインメタル	No. 02700 	S10C A40	28	1	E28077 0010	D= 262.0 L= 103.0 WEIGHT 3.500 Kg	
	MAIN BEARING							
14	THRUST BEARING スラストメタル	No. 02801 	S10C A40	8	1	E28077 0050	D= 330.0 T= 9.0 WEIGHT 1.400 Kg	
	MAIN BEARING							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						



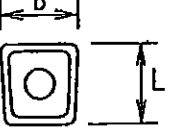
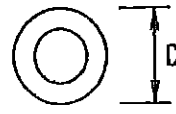


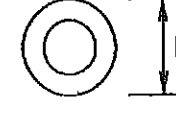
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TYPE 6DK-28						SHIP NO.		
						BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
15	METAL CAP BOLT ASSY メタルキャツブ'ホ'ルトASSY	No. 02919 	ASSY	72	2	E28027 9540	L= 570.0 WEIGHT 8.600 Kg	
	ENGINE FRAME							
16	FD PUMP, SV-26. NC FDホ'ツ', SV-26. NC	No. 03204 		24	1	E28647 0130	L= 348.0 WEIGHT 30.000 Kg	
	FUEL INJECTION PUMP							
17	F. O. INJECTION PIPE, WITH JOINT FOコウアツカン, セツシユツキ	No. 03407 	ASSY	24	1	DK-28 034	L= 162.0 WEIGHT 8.000 Kg	
18	STARTING VALVE ASSY キト'ウハ'ン ASSY	No. 03717 	ASSY	24	1	DK-28 037	L= 153.0 WEIGHT 2.500 Kg	
19	ASSY- ツアツキアツセ'ンハ'ンASSY #1	No. 04118 		24	1	E20695 9610	L= 194.0 WEIGHT 2.000 Kg	
	INDICATOR & SAFETY VALVE							
20	OIL RELIEF VALVE ASSY (L. O) オイルチヨウアツハ'ンASSY (LO)	No. 04202 	ASSY	4	1	DK-28 042	WEIGHT Kg	
21	THERMOMETER (P) 5 20X4X180X125 オント'ケイP520X4X180X125	No. 06800 	PCHS/ ZB14837	28	1	Y26520 4180	L= 305.0 WEIGHT Kg	
	THERMOMETER (EX. GAS)							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						


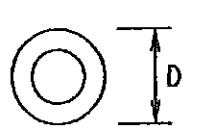


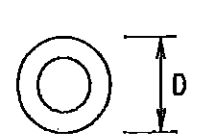
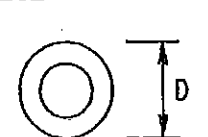
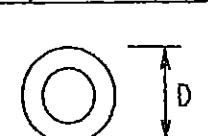
SPARE PARTS					PAGE		
TYPE 6DK-28					SHIP NO.		
					BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
22	THERMOMETER (P) 6 20X4X180X125 オットケイP620X4X180X125	No. 06800 	PCHS/ Z814837	4	1	Y26520 4180	L = 305.0 WEIGHT Kg
	THERMOMETER (EX. GAS)						
23	THERMOMETER 100CX1/2L オットケイ100CX1/2L	No. 06901 	PCHS	8	1	Y24100 4000	H = 110.0 L = 157.0 WEIGHT Kg
	100C THERMOMETER						
24	THERMOMETER 100CX1/2P オットケイ	No. 06900 	PCHS	24	1	Y23100 4000	L = 169.0 WEIGHT 0.190 Kg
	100C THERMOMETER						
25	OIL SEAL SB507212 オイルシール SB507212	No. 07000 	PCHS	4	1	Z46150 7212SB	D = 72.0 T = 12.0 WEIGHT 0.035 Kg
	L. O. PUMP						
26	OIL SEAL TC355511 オイルシール TC355511	No. 07000 	PCHS	4	1	Z46135 5511TC	D = 55.0 T = 11.0 WEIGHT 0.023 Kg
	C. W. PUMP-95						
27	MECHANICAL SEAL (R) EA103-030 メカニカルシール(R) EA103-030	No. 07200 	PCHS	4	1	C03877 0440	D = 50.0 WEIGHT Kg
	C. W. PUMP-95						
28	MOUTH RING マウスリング	No. 07400 	BC3	8	1	C03852 0190	D = 140.0 T = 14.0 WEIGHT 0.060 Kg
	C. W. PUMP-95						
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

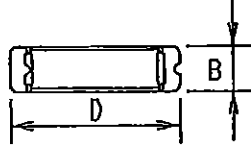
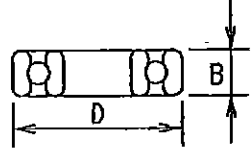
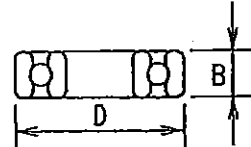
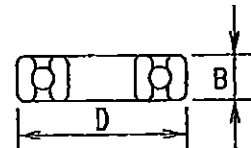
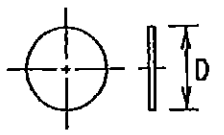
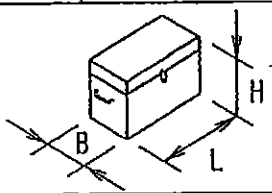
SPARE PARTS					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
29	SPRING: 1.6X13X71 バネ: 1.6X13X71	No. 07600 		4	1	NN0001 7008		= 71.0 WEIGHT 0.030 Kg
	OIL RELIEF VALVE							
30	SPRING. 5.5X36.5X183 バネ. 5.5X36.5X183	No. 07600 	SWPA	4	1	C03757 0400		= 183.0 WEIGHT Kg
	L. O. FILTER & FITTING							
31	SPRING 4.0X25.5X165 バネ 4.0X25.5X165	No. 07600 	SWPA	4	1	C03757 0201		L= 165.0 WEIGHT 0.145 Kg
	L. O. FILTER & FITTING							
32	SPRING: 4.0X12.5X45.6 バネ: 4.0X12.5X45.6	No. 07600 	SWOSC-V	24	2	NN0000 2012		= 45.6 WEIGHT Kg
	INDICATOR & SAFETY VALVE							
33	SPRING: 4X35X78 バネ: 4X35X78	No. 07600 	SUS304-W PB	24	2	AE0206 0005		= 78.0 WEIGHT Kg
	STARTING AIR VALVE ASSY.							
34	TAPPET SPRING 7X62X117 タペットバネ	No. 07600 	SWOCV-V	24	2	E32677 0260		L= 117.0 WEIGHT 0.395 Kg
	F. O. PUMP TAPPET							
35	TAPPET SPRING 5.5X45.5X124 タペットバネ	No. 07600 	SWOCV-V	24	2	E32677 0270		L= 124.0 WEIGHT 0.230 Kg
	F. O. PUMP TAPPET							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

SPARE PARTS					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
36	O-RING 436X6.5	No. 08200	NBR	48	4	E28037	0090	D= 436.0
	オリク' 436X6.5							WEIGHT
	SIDE COVER, ENGINE FRAME							Kg
37	O RING 370X5.7-SI	No. 08200	SI	72	6	E28507	0150	D= 370.0
	オリク' 370X5.7-SI							WEIGHT
	CYLINDER LINER							Kg
38	O RING HT 30X6.5	No. 08200	NBR	96	8	E28023	0350	D= 30.0
	オリク' HT 30X6.5							WEIGHT
	CYLINDER LINER							Kg
39	O RING (7) 323X5.7	No. 08200	NBR	72	6	Z56073	2357ZZ	D= 323.0
	オリク' (7) 323X5.7							WEIGHT
	CYLINDER LINER							Kg
40	O RING P30	No. 08200	NBR	24	2	Z56010	3035ZZ	D= 30.0
	オリク' P30							WEIGHT
	CYLINDER LINER							Kg
41	O RING G60 (F201)	No. 08200	FPM	48	4	E40560	0310	D= 59.4
	オリク' G60 (F201)							WEIGHT
	CYLINDER HEAD							Kg
42	O RING S95-SI	No. 08200	NOK-S740	48	4	E28567	0220	D= 94.5
	オリク' S95-SI							WEIGHT
	CYLINDER HEAD							Kg
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

SPARE PARTS					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
43	O RING P20 Oリング	No. 08200 	NBR	96	8	Z56010 2024DZ	D= 19.8 WEIGHT Kg	
	CYLINDER HEAD							
44	O RING G55 Oリング G55	No. 08200 	NBR	24	2	Z56020 5531ZZ	D= 54.4 WEIGHT Kg	
	STARTING AIR VALVE ASSY.							
45	O RING G45 Oリング	No. 08200 	FPM	24	2	Z56020 4531DZ	D= 44.4 WEIGHT 0.004 Kg	
	F. O. INJECTION DEVICE							
46	O RING G60 Oリング G60	No. 08200 	NBR	48	6	Z56020 6031DZ	D= 59.4 WEIGHT Kg	
	F. O. INJECTION DEVICE							
47	O RING G45 Oリング G45	No. 08200 	NBR	96	8	Z56020 4531ZZ	D= 45.0 WEIGHT Kg	
	PUSH ROD							
48	GASKET (26SR), EX. GAS OUTLET ハイキテクチャツキン -26SR	No. 08400 	C1100P-0	4	1	E28233 0170	D= 320.0 WEIGHT Kg	
	T/C FITING							
49	GASKET 17 マルハツキン 17	No. 08600 	SPCC-A	4	1	Z56500 1700CC	D= 24.0 WEIGHT 0.100 Kg	
	100C THERMOMETER							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

SPARE PARTS					PAGE		
TYPE 6DK-28					SHIP NO.		
					BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
50	GASKET 21	No. 08600	C1100P-0	32	1	256500 2100ZZ	D= 29.0
	マルハ° ツキン 21						WEIGHT
	100C THERMOMETER						Kg
51	GASKET 21	No. 08600	C1100P-0	32	1	256500 2100ZZ	D= 29.0
	マルハ° ツキン 21						WEIGHT
	THERMOMETER (EX. GAS)						Kg
52	GASKET (4), EX. MANIFOLD ハイキカンハ° ツキン (4)	No. 08310	SUS-301H	24	2	E28217 0500	B= 188.0 L= 160.0
	EXHAUST MANIFOLD						WEIGHT
53	GASKET (5), EX. MANIFOLD ハイキカンハ° ツキン (5)	No. 08600	SPEC	20	2	E28217 0640	D= 350.0
	EXHAUST MANIFOLD						WEIGHT
54	GASKET (2), EX. MANIFOLD ハイキカンハ° ツキン (2)	No. 08600	SPEC	4	2	E26218 0140	D= 300.0
	EXHAUST MANIFOLD						WEIGHT
55	O-RING 392X5.7	No. 08200	NBR	24	2	E28637 0060	D= 392.0
	リング° 392X5.7						WEIGHT
	CYLINDER HEAD COVER						Kg
56	GASKET, CYL. HEAD	No. 08600	SI0C	24	2	E28567 0180	D= 368.0
	シリンダ° ヘット° ハ° ツキン CYLINDER HEAD						WEIGHT
MFR' S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

SPARE PARTS						PAGE		
TYPE 6DK-28						SHIP NO.		
						BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
57	GASKET 25	No. 08600	C1100P-0	24	2	Z56500 2520ZZ	D= 32.0 WEIGHT Kg	
	マムハツキン 25							
	F. O. INJECTION DEVICE							
58	GASKET 36	No. 08600	C1100P-0	24	10	Z66503 6000ZZ	D= 45.0 WEIGHT Kg	
	マムハツキン 36							
	S. A. PIPING							
59	GASKET 21	No. 08600	C1100P-0	4	10	Z56500 2100ZZ	D= 29.0 WEIGHT Kg	
	マムハツキン 21							
	S. A. PIPING							
60	GASKET 13	No. 08600	C1100P-0	24	10	Z56500 1300ZZ	D= 20.0 WEIGHT Kg	
	マムハツキン 13							
	S. A. PIPING							
61	GASKET 13	No. 08600	SPCC-A	8	2	Z56500 1300CC	D= 20.0 WEIGHT Kg	
	マムハツキン 13							
	F. O. PIPING							
62	GASKET 27	No. 08600	SPEC	4	2	Z56500 2700CC	D= 35.0 WEIGHT 0.100 Kg	
	マムハツキン 27							
	F. O. PIPING							
63	GASKET 21	No. 08600	SPCC-A	8	2	Z56500 2100CC	D= 29.0 WEIGHT Kg	
	マムハツキン 21							
	F. O. PIPING							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

SPARE PARTS					PAGE		
TYPE 6DK-28					SHIP NO.		
					BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
64	NEEDLE BEARING ニードルベアリング L. O. PUMP	No. 09001 	SPEC	20	1	G00310 0440	D= 72.0 B= 40.0 WEIGHT 0.525 Kg
	BEARING, 35 ベアリング, 35 C. W. PUMP-95	No. 09000 		4	1	C03850 0570	D= 72.0 B= 17.0 WEIGHT Kg
66	BEARING, 40 ベアリング, 40 C. W. PUMP-95	No. 09000 	PCHS	4	1	C03850 0580	D= 80.0 B= 18.0 WEIGHT Kg
	BEARING (1) 6006 ベアリング (1) 6006 GOVERNOR MOUNTING	No. 09000 	PCHS	8	1	Z45116 0060ZZ	D= 55.0 B= 13.0 WEIGHT 0.116 Kg
68	BURSTING DISK: SAFETY PLUG: バクレツクハツ: アンゼンセツ: SAFETY PLUG, STARTING AIR PIPE	No. 10000 	C1220T-1 /4H	4	3	NN0016 0003	D= 24.0 WEIGHT 0.000 Kg
	ATTACHED PAD LOCK, BOX-12TYPE ヒツクハコ, キツキ	No. 99800 	SS400P		1	Y91014 8300	B= 400.0 L= 800.0 H= 300.0 WEIGHT 16.750 Kg
		No.					WEIGHT Kg
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

EXHAUST-GAS TURBOCHARGER
 LIST OF SPAREPARTS
 TYPE: MET26SR
 MITSUBISHI HEAVY INDUSTRIES CO., LTD. ONE SET/SHIP

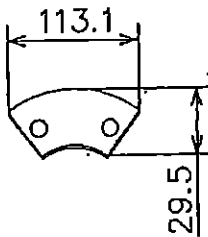
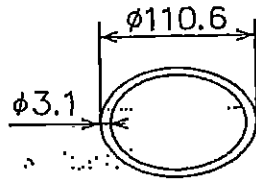
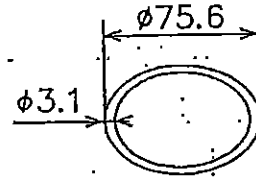
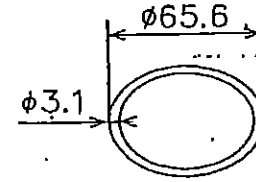
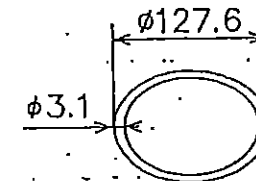
DAIHATSU DIESEL MFG. CO., LTD.
 TECHNICAL DEPARTMENT
 OSAKA, JAPAN

		DRAWN BY	<i>M. Shimizu</i>
TYPE	DK	CHECKED BY	<i>N. Iwamoto</i>
LIST No.	QYHT340320F#A		
DATE	FEB. 4, 2004	APPROVED BY	<i>A. _____</i>
REVISION	A: Add. P.4 No.11 2006/7/21 N.H		
ADK26-0227-9 [10]		#020	11/31 (1/4)

SPARES		PAGE		1				
For MET26SR x 2Sets		SHIP No.						
		BOX No.						
No.	NAME	SKETCH	MATERIALS	SUPPLY PER SHIP		DRAWING		REMARKS (Kg)
				WORK-ING	SPARE	No.	PART No.	
1	Thrust Bearing (Turbine Side) スラスト軸受 (タービン側)		Carbon Steel & Aluminium (S25C, A40)	2	1	N36-J14-4034-A	71	0.28
2	Thrust Bearing (Blower Side) スラスト軸受 (ブロワ側)		Carbon Steel & Aluminium (S25C, A40)	2	1	N36-J14-4033-A	73	0.44
3	Journal Bearing (Turbine Side) 平軸受 (タービン側)		Carbon Steel & Leaded Tin Bronze Casting (S45C, LBC)	2	1	N36-J04-4071-A	70T	0.121
4	Journal Bearing (Blower Side) 平軸受 (ブロワ側)		Carbon Steel & Leaded Tin Bronze Casting (S45C, LBC)	2	1	N36-J04-4070-A	70C	0.121
5	Washer 座金		Stainless Steel (SUS304)	6	3	N36-168-0094-1	323	0.01

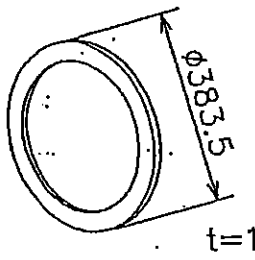
MFR'S NAME & ADDRESS

NAGASAKI SHIPYARD & MACHINERY WORKS.
MITSUBISHI HEAVY INDUSTRIES, LTD

SPARES		PAGE		2				
For MET26SR x 2Sets ()				SHIP No.				
				BOX No.				
No.	NAME	SKETCH	MATERIALS	SUPPLY PER SHIP		DRAWING		REMARKS (Kg)
				WORK-ING	SPARE	No.	PART No.	
6	Washer 座金		Stainless Steel (SUS304)	6	3	N36-168-0083-1	329	0.01
7	O-Ring O-リング		Rubber (4D)	2	1	361-031-105-6	362	0.002
8	O-Ring O-リング		Rubber (4D)	2	1	361-031-070-6	354	0.002
9	O-Ring O-リング		Rubber (4D)	2	1	361-031-060-6	373	0.001
10	O-Ring O-リング		Rubber (4D)	2	1	N36-361-0030-1	357	0.003

MFR'S NAME
& ADDRESS

NAGASAKI SHIPYARD & MACHINERY WORKS.
MITSUBISHI HEAVY INDUSTRIES, LTD

SPARES		PAGE		3				
For MET26SR x 2Sets ()				SHIP No.				
				BOX No.				
No.	NAME	SKETCH	MATERIALS	SUPPLY PER SHIP		DRAWING		REMARKS (Kg)
				WORK-ING	SPARE	No.	PART No.	
11	Gasket ガスケット		SPCC	2	1	N36-362-0150-1	309	0.10
MFR'S NAME & ADDRESS		NAGASAKI SHIPYARD & MACHINERY WORKS. - MITSUBISHI HEAVY INDUSTRIES,LTD						

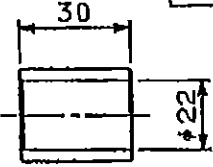
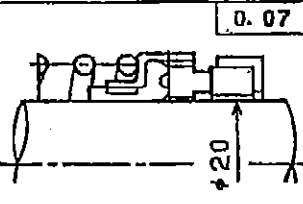
DIESEL GENERATOR ENGINE
 L. O. PRIMING PUMP
 LIST OF SPARE PARTS (8)
 L. O. プライミングポンプ予備品 (8)
 TYPE : ALG-40N

A-type

DAIHATSU DIESEL MFG. CO., LTD.
 TECHNICAL DEPARTMENT
 OSAKA, JAPAN

SHIP No.		DRAWN BY	<i>N. Iwata</i>
TYPE		CHECKED BY	<i>S. Higashimura</i>
LIST No.	B108500080FZ		<i>A.</i>
DATE	FEB. 3, 1998	APPRVED BY	<i>A. Takahashi</i>
REVISION			
B1085 #008			(1/2)



SPARE PARTS LIST						PAGE			
L. O. PRIMING PUMP						HORIZONTAL GEAR ROTARY PUMP			
						TYPE : ALG-40N 1 SET			
						SHIP NO.			
						BOX NO.			
ITEM NO.	NAME	WEIGHT : Kg	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
					WORK-ING PER PUMP	SPARE PER SHIP	NO.	PART NO.	
1	BEARING METAL	0.23		BC3	4	4		201	
2	MECHANICAL SEAL	0.07			1 SET	1 SET		520	

MFR'S NAME & ADDRESS

NANIWA PUMP MFG. CO., LTD.
11-5 SHINMACHI 3-CHOME, NISHI-KU
OSAKA JAPAN

DRAWING NO.

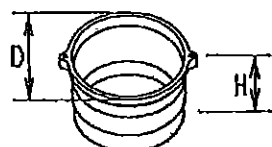
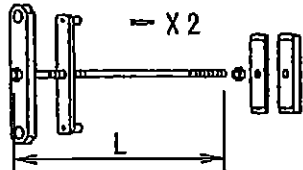
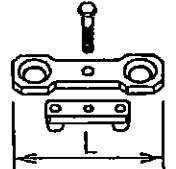
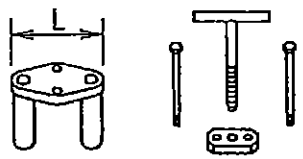
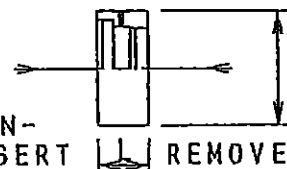
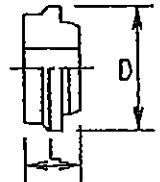
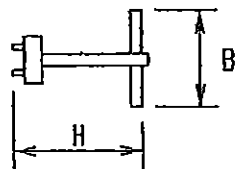
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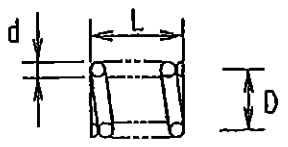
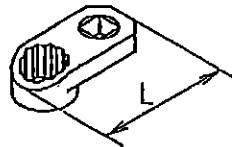
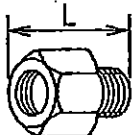
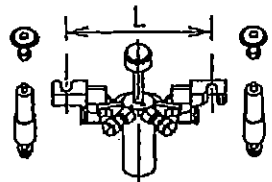
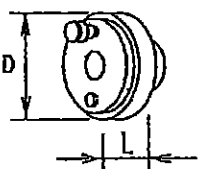
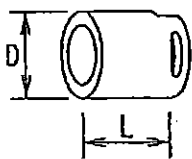
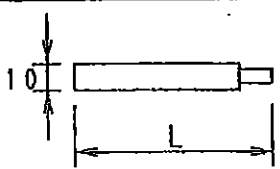
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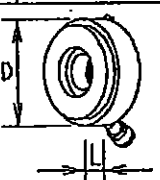
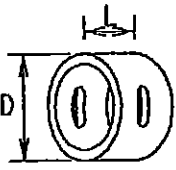
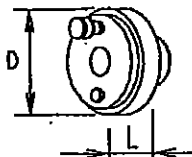
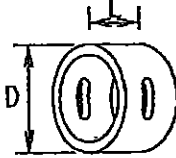
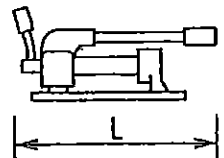
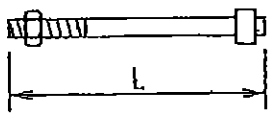
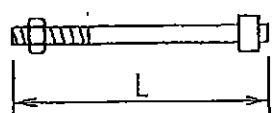
LIST OF TOOLS
FOR
DIESEL ENGINE

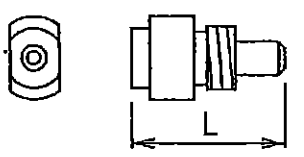
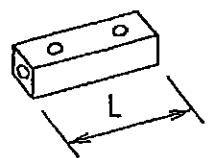
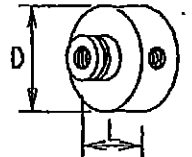
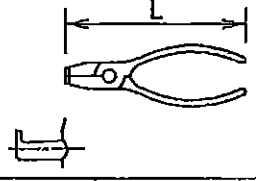
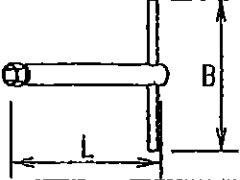
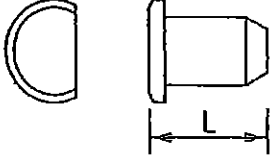
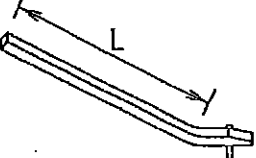
DAIHATSU DIESEL MFG. CO., LTD.
TECHNICAL DEPARTMENT
OSAKA JAPAN

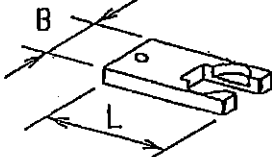
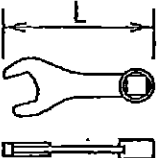
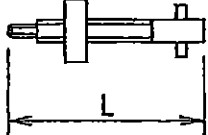
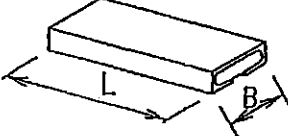
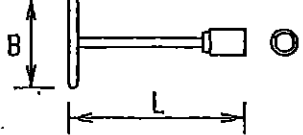
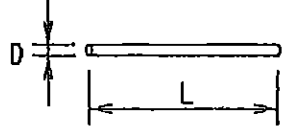

HULL No.	H2431/32/33	DRAWN BY	<i>N. Kato</i>
TYPE	6DK-28	CHECKED BY	<i>Y. Terachi</i>
LIST No.	AQA10003770A		<i>Kenichi</i>
DATE	2007.01.18	APPROVED BY	<i>A</i>

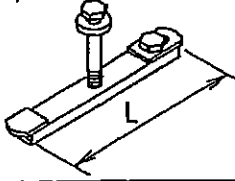
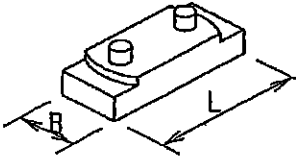
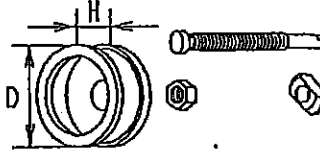
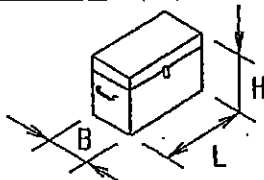
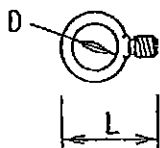
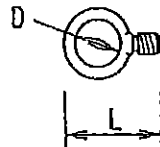
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					BOX No.			
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	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
1	INSERT TOOL, PISTON-PR	No. 80111 	FC200	1		E29997 0010		D= 330.0 H= 200.0 WEIGHT 12.600 Kg
	TOOLS: A. F52840							
2	REMOVER, CLY. LINER	No. 80712 	SPEC/SS400	1		F52840 0030		L= 1245.0 WEIGHT 43.800 Kg
	TOOLS: A. F52840							
3	REMOVER, VALVE SPRING	No. 86405 	SPEC/SS400	1		F52840 0090		L= 253.0 WEIGHT 2.300 Kg
	TOOLS: A. F52840							
4	REMOVER, NOZZLE HOLDER	No. 81207 	SPEC/SS400/SGP	1		F52840 0150		L= 150.0 WEIGHT 4.000 Kg
	TOOLS: A. F52840							
5	JIG, COOLING EX. VALVE SEAT	No. 93409 	SS400B	1		E29997 0180		D= 120.0 L= 54.0 WEIGHT 2.000 Kg
	TOOLS: A. F52840							
6	INSERT TOOL-1, VALVE SEAT	No. 93410 	SS400B	1		E29997 0190		D= 97.0 L= 45.0 WEIGHT 1.700 Kg
	TOOLS: A. F52840							
7	GRINDING TOOL, IN. EX. VALVE	No. 81400 	ASSY. カマ	1		F52630 0320		H= 225.0 B= 220.0 WEIGHT 1.100 Kg
	TOOLS: A. F52840							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

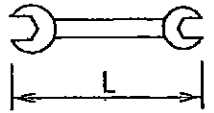
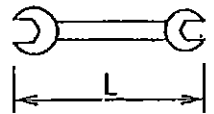
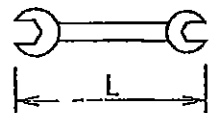
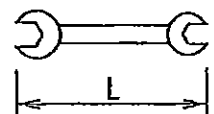
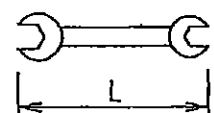
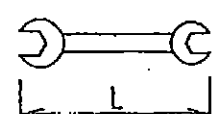
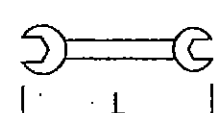
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					BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
8	SPRING. IN. EX. VALVE GRINDING	No. 07603 	SWPA	1		E33990 0580	I = 2.3 L = 140.0 D = 30.0 WEIGHT 0.200 Kg
	TOOLS: A. F52840						
9	TOOL. SPECIAL SPANNER. 30X19	No. 71009 	PCHS. S43C	1		C09200 0590	= 95.0 WEIGHT Kg
	TOOLS: A. F52840						
10	CONNECTOR. NOZZLE HOLDER	No. 70405 	S43C	1		E29997 0450	L = 50.0 WEIGHT 0.200 Kg
	TOOLS: A. F52840						
11	OIL PRESS RAM ASSY-3	No. 90706 	SPEC	1		E29947 4030	L = 340.0 WEIGHT 22.000 Kg
	TOOLS: A. F52840						
12	JACK CYLINDER-HEAD	No. 83111 	SPEC ASSY	4		E29957 0310	D = 150.0 L = 109.0 WEIGHT Kg
	TOOLS: A. F52840						
13	JACK STAND (HEAD)	No. 83113 	SCM435	4		E29957 0040	D = 115.0 L = 100.0 WEIGHT 2.300 Kg
	TOOLS: A. F52840						
14	HANDLE-HYDRAURIC JACK:	No. 83105 	SCM435-D	1		AE0219 5010	= 135.0 WEIGHT Kg
	TOOLS: A. F52840						
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

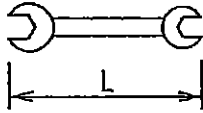
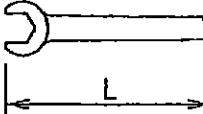
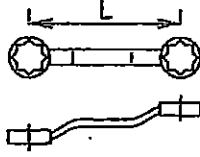
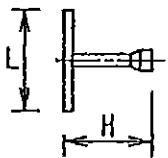
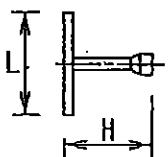
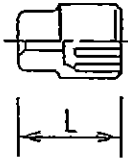
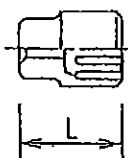
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					BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
15	JACK CYLINDER-MAIN METAL	No. 83110 	SPEC ASSY	2		E29957 0320	D= 150.0 L= 85.0 WEIGHT Kg
	TOOLS: A. F52840						
16	JACK STAND-CAP	No. 83118 	SCM435	2		E29957 0160	D= 105.0 L= 73.0 WEIGHT 1.700 Kg
	TOOLS: A. F52840						
17	JACK CYLINDER-ROD. SIDE	No. 83111 	SPEC ASSY	2		E29957 0340	D= 135.0 L= 59.0 WEIGHT 5.500 Kg
	TOOLS: A. F52840						
18	JACK STAND-ROD. SIDE	No. 83118 	SCM435	2		E29957 0390	D= 72.0 L= 57.0 WEIGHT 1.300 Kg
	TOOLS: A. F52840						
19	OIL PRESS. PUMP	No. 83000 	PCHS *	1		E33960 0050	L= 1030.0 WEIGHT 14.000 Kg
	TOOLS: A. F52840						
20	HOSE: HIGH PRESS. : 2000	No. 83001 	PCHS	3		AE0119 9013	= 2000.0 WEIGHT Kg
	TOOLS: A. F52840						
21	HIGH PRESS. HOSE 500	No. 83001 	PCHS *	4		E33960 0070	L= 500.0 WEIGHT 0.700 Kg
	TOOLS: A. F52840						
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

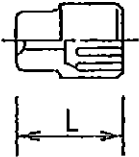
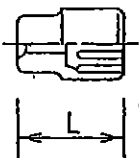
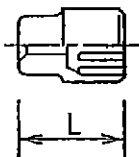
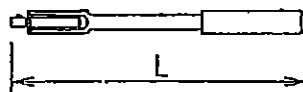
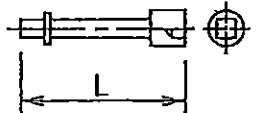
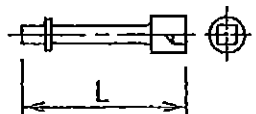
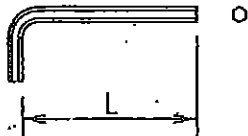
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					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
22	PCHS: PLUG COUPLING	No. 83003 	PCHS	10		AE0119 9027	= 48.0 WEIGHT Kg	
	TOOLS: A. F52840							
23	TERMINAL (2T)	No. 83008 	SS41B	1		E33960 0170	L= 150.0 WEIGHT 2.500 Kg	
	TOOLS: A. F52840							
24	TERMINAL (4T)	No. 83012 	S43C	1		E33960 0210	D= 80.0 L= 65.0 WEIGHT 1.500 Kg	
	TOOLS: A. F52840							
25	PLIER: SNAPRING	No. 97110 		1		AE0119 9003	= 212.0 WEIGHT Kg	
	TOOLS: A. F52840							
26	SPECIAL BOX SPANNER 22	No. 80506 	SGP SS400B	1		E29997 0120	B= 200.0 L= 275.0 WEIGHT 0.800 Kg	
	TOOLS: A. F52840							
27	PIN, MEIN METAL	No. 90104 	SS400B	1		E29997 0340	L= 28.0 WEIGHT 0.070 Kg	
	TOOLS: A. F52840							
28	F. O. PRIMING HANDLE	No. 91203 	SS400B	1		E29997 0400	L= 250.0 WEIGHT 0.420 Kg	
	TOOLS: A. F52840							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

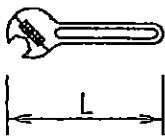
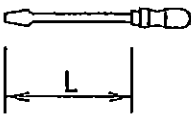
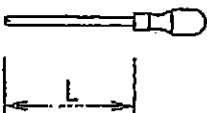
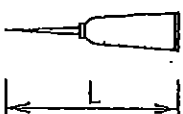
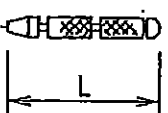
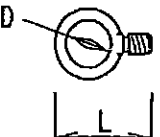
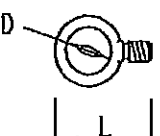
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No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
29	ADJUSTING TOOL. P. MAX.	No. 94111 	S43C	1		E29997 0410	L= 165.0 B= 75.0 WEIGHT 1.260 Kg
	TOOLS: A. F52840						
30	SPECIAL SPANNER	No. 86909 	PCHS	1		E29997 0420	L= 151.0 WEIGHT Kg
	TOOLS: A. F52840						
31	SUPPORTER. METAL CAP	No. 90704 	ASSY. カギ	2		F52840 1230	L= 220.0 WEIGHT 1.500 Kg
	TOOLS: A. F52840						
32	REMOVER-2. MAIN BEARING SHELL	No. 80901 	WOOD SPG *	1		E29990 0250	L= 1500.0 B= 100.0 WEIGHT 3.200 Kg
	TOOLS: A. F52840						
33	BOX SPANNER 19	No. 83400 	SS400B P CHS	1		E29997 0550	B= 90.0 L= 200.0 WEIGHT 0.350 Kg
	TOOLS: A. F52840						
34	TURNING BAR 34X1500	No. 83300 	STPG *	4		C00147 0070	L= 1500.0 D= 34.0 WEIGHT 5.100 Kg
	TOOLS: A. F52840						
35	SPECIAL OFFSET WRENCH 24	No. 93911 	SS400P. P CHS	1		E29997 0600	L= 260.0 WEIGHT 0.500 Kg
	TOOLS: A. F52840						
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

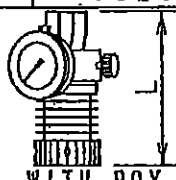
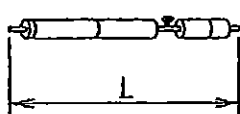
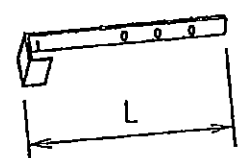
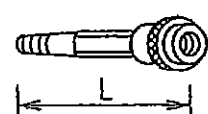
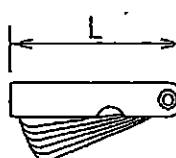
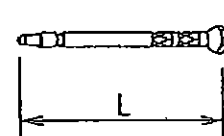
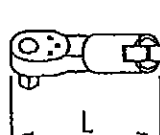
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					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
36		No.						WEIGHT
								Kg
37	REMOVER, PROTECT RING	No. 80110	SPEC	1	F52840	1450	L = 274.0	WEIGHT
	TOOLS: A. F52840							
38	ADAPUTER, S. A VALVE	No. 86201	SS400P. S490B	1	E29997	0470	B = 20.0 L = 50.0	WEIGHT
	TOOLS: A. F52840							
39	REMOVER, EX. VALVE SEAT	No. 93508	SPEC	1	F52840	1570	H = 63.0 D = 150.0	WEIGHT
	TOOLS: A. F52840							
40	ATTACHED PAD LOCK, BOX-12TYPE	No. 99800	SS400P	1	Y91014	8300	B = 400.0 L = 800.0 H = 300.0	WEIGHT
	TOOLS: A. F52840							
41	EYE BOLT M16	No. 95000	PCHS	1	Z27001	6000ZZ	L = 87.0 D = 35.0	WEIGHT
	TOOLS: A. F52840							
42	EYE BOLT M10	No. 95000	PCHS	2	Z27001	0000ZZ	L = 59.5 D = 25.0	WEIGHT
	TOOLS: A. F52840							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

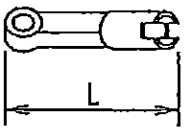
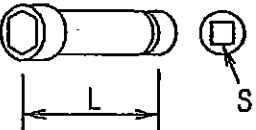
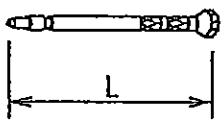
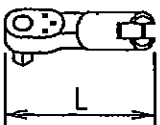
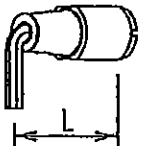
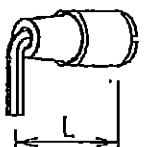
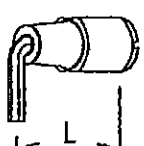
T O O L					PAGE		
TYPE 6DK-28					SHIP NO.		
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No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
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43	SPANNER 7X8	No. 95100 	PCHS	1		Z90000 7080ZZ	L= 105.0 WEIGHT Kg
	TOOLS: A. F52840						
44	SPANNER 8X10	No. 95100 	PCHS	1		Z90000 8100ZZ	L= 115.0 WEIGHT 0.029 Kg
	TOOLS: A. F52840						
45	SPANNER 13X17	No. 95100 	PCHS	1		Z90001 3170ZZ	L= 160.0 WEIGHT 0.110 Kg
	TOOLS: A. F52840						
46	SPANNER 19X22	No. 95100 	PCHS	1		Z90001 9220ZZ	L= 195.0 WEIGHT 0.200 Kg
	TOOLS: A. F52840						
47	SPANNER 24X27	No. 95100 	PCHS	1		Z90002 4270ZZ	L= 235.0 WEIGHT 0.400 Kg
	TOOLS: A. F52840						
48	SPANNER 30X32	No. 95100 	PCHS	1		Z90003 0320ZZ	L= 275.0 WEIGHT 0.600 Kg
	TOOLS: A. F52840						
49	SPANNER 36X41	No. 95100 	PCHS	1		Z90003 6410ZZ	L= 345.0 WEIGHT 1.200 Kg
	TOOLS: A. F52840						
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

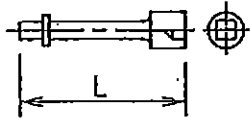
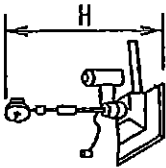
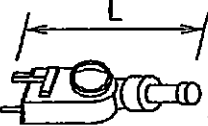
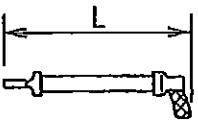
TOOL					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
50	SPANNER 46X50	No. 95100 	PCHS	1		Z90004 6500ZZ	L= 410.0 WEIGHT 1.600 Kg	
	TOOLS: A. F52840							
51	SPANNER 65	No. 95200 	PCHS	1		Z90206 5000ZZ	L= 550.0 WEIGHT 2.500 Kg	
	TOOLS: A. F52840							
52	OFFSET WRENCH-L (2) 27X30	No. 95302 	PCHS	1		Z90432 7300LZ	L= 400.0 WEIGHT Kg	
	TOOLS: A. F52840							
53	BOX SPANNER (1) 19X300	No. 95600 	PCHS	1		Z91011 9300ZZ	H= 300.0 L= 310.0 WEIGHT 0.750 Kg	
	TOOLS: A. F52840							
54	BOX SPANNER (1) 24X300	No. 95600 	PCHS	1		Z91012 4300ZZ	H= 300.0 L= 330.0 WEIGHT 1.070 Kg	
	TOOLS: A. F52840							
55	SOCKET (1) 19X12.7	No. 96300 	PCHS	1		Z91511 9000ZZ	L= 38.0 WEIGHT Kg	
	TOOLS: A. F52840							
56	SOCKET (1) 24X12.7	No. 96300 	PCHS	1		Z91512 4000ZZ	L= 40.0 WEIGHT Kg	
	TOOLS: A. F52840							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

TOOL					PAGE		
TYPE 6DK-28					SHIP NO.		
					BOX No.		
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING	REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP		
57	SOCKET (1) 27X12.7	No. 96300 	PCHS	1		Z91512 7000ZZ	L= 42.0 WEIGHT Kg
	TOOLS: A. F52840						
58	SOCKET (2) 32X19.0	No. 96300 	PCHS	1		Z91523 2000ZZ	L= 53.0 WEIGHT 0.350 Kg
	TOOLS: A. F52840						
59	SOCKET (2) 36X19.0	No. 96300 	PCHS	1		Z91523 6000ZZ	L= 58.0 WEIGHT 0.400 Kg
	TOOLS: A. F52840						
60	HINGED HANDLE 12.7X300	No. 96500 	PCHS	1		Z91551 2300ZZ	L= 300.0 WEIGHT Kg
	TOOLS: A. F52840						
61	EXTENSION BAR 12.7X250	No. 96700 	PCHS	1		Z91571 2250ZZ	L= 250.0 WEIGHT Kg
	TOOLS: A. F52840						
62	EXTENSION BAR 19.0X400	No. 96700 	PCHS	1		Z91571 9400ZZ	L= 400.0 WEIGHT 1.590 Kg
	TOOLS: A. F52840						
63	HEX. WRENCH KEY 19	No. 97300 	PCHS	1		Z92501 9000ZZ	L= 180.0 WEIGHT 0.550 Kg
	TOOLS: A. F52840						
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN					

T O O L						PAGE		
		TYPE 6DK-28				SHIP NO.		
						BOX No.		
No.	NAME	S K E T C H	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
64	ADJUST. ANGLE WRENCH	No. 97000 	PCHS	1		Z92003 0000ZZ	L= 310.0 WEIGHT 0.600 Kg	
	TOOLS:A, F52840							
65	SCREW DRIVER 8X150	No. 97500 	PCHS	1		Z92800 8150ZZ	L= 150.0 WEIGHT 0.300 Kg	
	TOOLS:A, F52840							
66	+ SCREW DRIVER (1) 4	No. 97600 	PCHS	1		Z93010 0400ZZ	L= 200.0 WEIGHT 0.190 Kg	
	TOOLS:A, F52840							
67	OIL FEEDER 150 ML	No. 98200 	PCHS	1		Z93850 1500ZZ	L= 200.0 WEIGHT 0.025 Kg	
	TOOLS:A, F52840							
68	TOOL, NOZZLE CLEANING	No. 98501 	PCHS	1		Z94001 9313ZA	L= 60.0 WEIGHT 0.010 Kg	
	TOOLS:A, F52840							
69	EYE BOLT M12	No. 95000 	PCHS	1		Z27001 2000ZZ	L= 73.0 D= 30.0 WEIGHT 0.190 Kg	
	TOOLS:A, F52840							
70	EYE BOLT M20	No. 95000 	PCHS	4		Z27002 0000ZZ	L= 101.0 D= 40.0 WEIGHT Kg	
	TOOLS:A, F52840							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

TOOL					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
71	MAX. PRESS. GAUGE MT31-20M	No. 70206  WITH BOX	PCHS *	1		C09117 0052		L = 133.0 WEIGHT 2.390 Kg
	TOOLS: B. F52842							
72	BORE GAUGE 275-300	No. 70700 	PCHS	1		C09187 0060		L = 300.0 WEIGHT 0.250 Kg
	TOOLS: B. F52842							
73	POSITION GAUGE DK28	No. 70801 	SS400P	1		C09280 0190		L = 555.0 WEIGHT Kg
	TOOLS: B. F52842							
74	PCHS: SOCKET COUPLING	No. 83002 	PCHS	1		AE0119 9026		= 58.0 WEIGHT 0.250 Kg
	TOOLS: B. F52842							
75	TOOL: THICKNESS GAUGE: 70M	No. 70900 	PCHS	1		AE0119 9059		= 80.0 WEIGHT 0.025 Kg
	TOOLS: B. F52842							
76	TORQUE WRENCH CL420NX22D	No. 71004 	PCHS *	1		C09207 0320		L = 934.0 WEIGHT 3.400 Kg
	TOOLS: B. F52842							
77	RATCHET HEAD 2800QH	No. 71005 	PCHS	1		C09207 0340		L = 129.0 WEIGHT 0.650 Kg
	TOOLS: B. F52842							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

TOOL					PAGE			
TYPE: 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
78	RING HEAD 27X2800RH	No. 71006 	PCHS	1		C09200 0370		L= 126.5 WEIGHT Kg
	TOOLS: B. F52842							
79	SOCKET 19X36 NOZZLE HOLDER	No. 83200 	PCHS	1		E33995 0150		L= 100.0 S= 19.0 WEIGHT 1.200 Kg
	TOOLS: B. F52842							
80	TORQUE WRENCH: L C180N	No. 71004 	PCHS	1		AE0119 9039		= 442.0 WEIGHT 1.280 Kg
	TOOLS: B. F52842							
81	RATCHET HEAD: L 4080	No. 71005 	PCHS	1		AE0119 9040		= 102.0 WEIGHT 0.420 Kg
	TOOLS: B. F52842							
82	HEX. WRENCH HEAD LCX1808	No. 71007 	PCHS	1		C09200 0420		L= 80.0 WEIGHT 0.280 Kg
	TOOLS: B. F52842							
83	HEX. WRENCH HEAD :LCX1810	No. 71007 	PCHS	1		AE0119 9042		= 80.0 WEIGHT 0.300 Kg
	TOOLS: B. F52842							
84	HEX. WRENCH HEAD LCX1814	No. 71007 	PCHS	1		C09200 0440		L= 80.0 WEIGHT 0.340 Kg
	TOOLS: B. F52842							
MFR'S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

TOOL					PAGE			
TYPE 6DK-28					SHIP NO.			
					BOX No.			
No.	NAME	SKETCH	MATERIAL	SUPPLY		DRAWING		REMARKS
	USE			WORKING PER SHIP	SPARE PER SHIP	No.	PART No.	
85	EXTENSION BAR 19.0X200	No. 96700 	PCHS	1		Z91571 9200ZZ		L= 200.0 WEIGHT Kg
	TOOLS: B. F52842							
86	ASSY. : NOZZLE TEST PUMP: K	No. 70300 	ASSY	1		AE0219 9015		= 585.0 WEIGHT Kg
	TOOLS: B. F52842							
87	DEFLECTION GAUGE ASSY. 98-137	No. 70500 	ASSY. カマビ	1		C09159 0040		L= 137.0 WEIGHT 0.250 Kg
	TOOLS: B. F52842							
88	BLOWER SYRINGE	No. 71500 	ASSY. カマビ	1		C04409 0010		L= 510.0 WEIGHT 1.740 Kg
	TOOLS: B. F52842							
		No.						WEIGHT Kg
		No.						WEIGHT Kg
		No.						WEIGHT Kg
MFR' S NAME & ADDRESS		DAIHATSU DIESEL MFG. CO., LTD. 4-14, 2-CHOME, TOKUI-CHO, CHUO-KU, OSAKA, JAPAN						

DIESEL GENERATOR ENGINE
 LIST OF TOOLS
 FOR
 EXHAUST-GAS TURBOCHARGER
 TYPE: MET26SR

MAKER : MITSUBISHI HEAVY INDUSTRIES, LTD.
 NAGASAKI SHIPYARD & MACHINERY WORKS

DAIHATSU DIESEL MFG. CO., LTD.
 TECHNICAL DEPARTMENT
 OSAKA, JAPAN

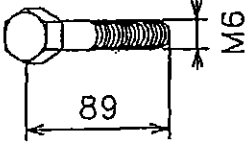
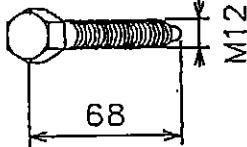
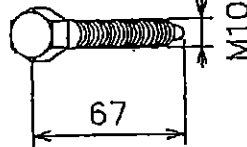
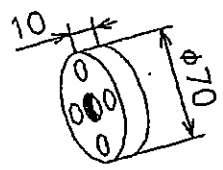
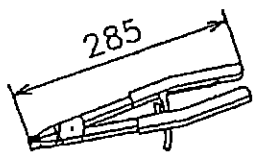
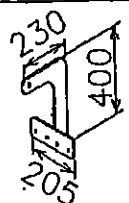
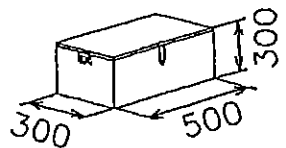
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		CHECKED BY	<i>R. Motomura</i>
LIST No.	QZHT421000FZ		<i>E. Kawamura</i>
DATE	MAR. 13, 1997	APPROVED BY	<i>A. Takano</i>
REVISION			

ADK28-0101

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TOOLS		PAGE		1				
Exhaust-Gas Turbocharger MET26SR ()				SHIP No.				
				BOX No.				
No.	NAME	SKETCH	MATERIALS	SUPPLY PER SHIP		DRAWING		REMARKS (Kg)
				WORK-ING	SPARE	No.	PART No.	
T-13	Hex. Bolt M6×85 六角ボルト		Rolled Steel (SS400)	2		N36-101-0026-1		0.023
T-23A	Starting Bolt M12×60 押上ボルト		Rolled Steel (SS400)	1		119-512-060-1		0.070
T-23B	Starting Bolt M10×60 押上ボルト		Rolled Steel (SS400)	6		119-510-060-1		0.049
T-24								
T-45	Puller 引抜要具		Rolled Steel (SS400)	1		N36-984-5017-1		0.27
T-57	Pliers プライヤ		Carbon Steel	1		N36-00K-0013-1		0.2
T-76	Slings Device つり金具		Rolled Steel (SS400)	1		N36-Y04-5016-A		4.15
	Spares & Tools Box 予備品 要具箱		Rolled Steel (SS400)	1		N36-Y10-0001		10.0

MFR'S NAME & ADDRESS

NAGASAKI SHIPYARD & MACHINERY WORKS.
MITSUBISHI HEAVY INDUSTRIES, LTD