

DAIHATSU

ENGINE FRAME

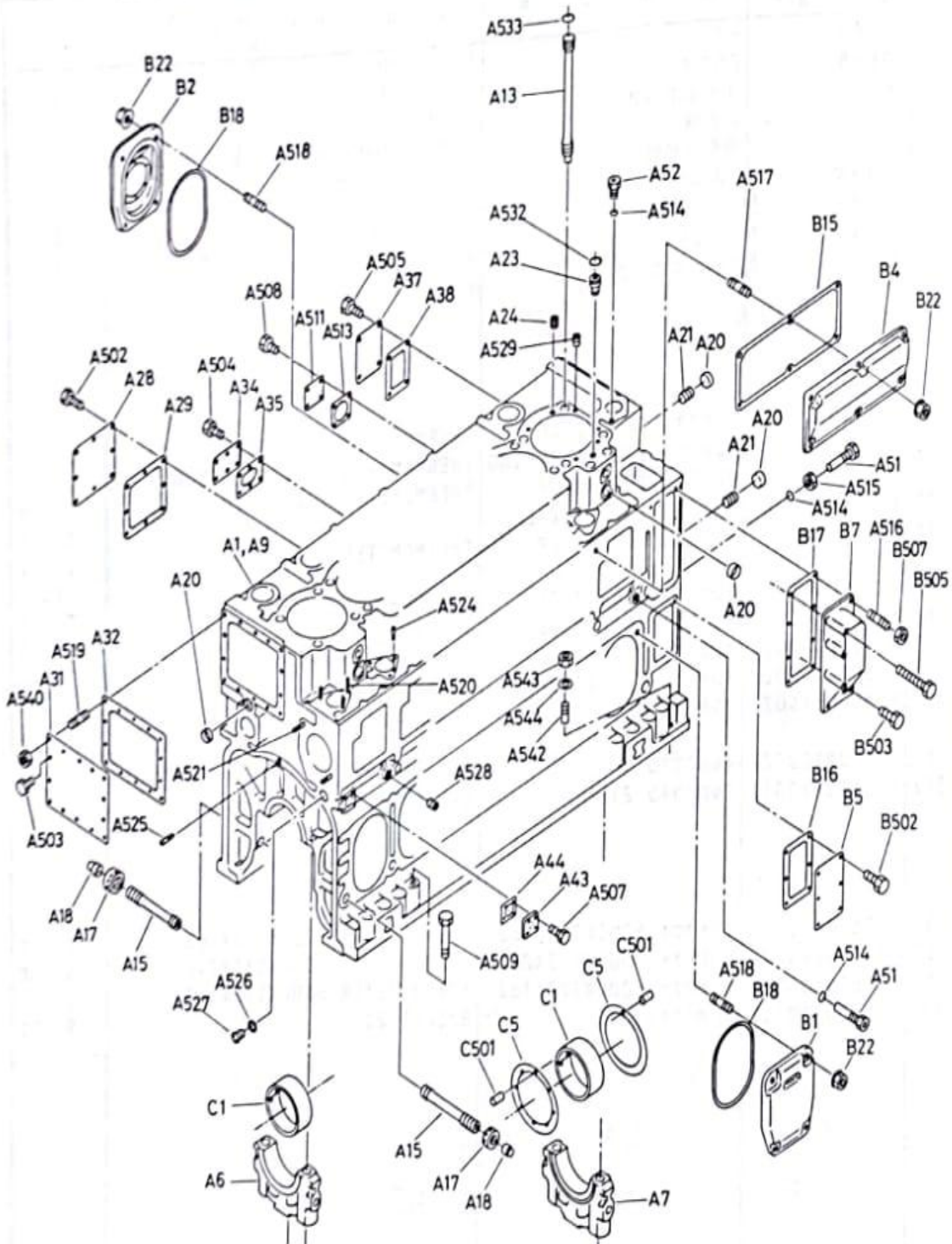
架 構

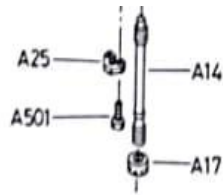
SECTION
13

TYPE

SHEET
10

DK-20





DK-20 Z 93-11

13
SHEET 11

ENGINE FRAME

DK - 20

SHEET 11

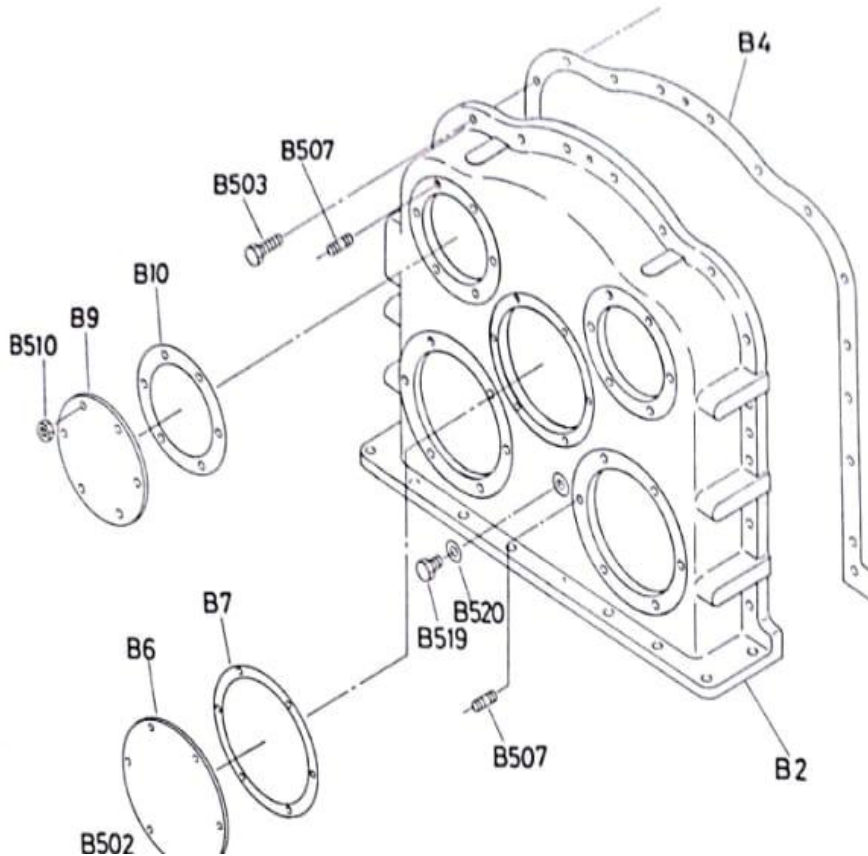
No.	Parts No.	Name Of Parts	Quantity
A1	E200250010A	ENGINE FRAME - 6D	
A6	E200250060B	MAIN METAL CAP	
A7	E200250070A	MAIN METAL CAP (REAR)	
A9	E200250090A	ENGINE FRAME - 8D	
A13	E200250130A	HEAD BOLT	
A14	E200250140Z	MAIN BEARING BOLT	
A15	E200250150Z	SIDE BOLT	
A17	E200250170Z	CIRCULAR NUT, M39X3.0	
A18	E200250180Z	CAP, M39	
A20	E200250200Z	BOWL TYPE PLUG 50	
A21	E200250210Z	SPECIAL PLUG M48X2.0	
A23	E200250230Z	S.A. CONNECTOR	
A24	E200250240Z	C.W. CONNECTOR	
A25	E200250280Z	PULL PIECE, OIL PRESS. RAM	
A28	E200250280Z	LID - 1, INTAKE MANIFOLD	
A29	E200250290Z	GASKET - 1, INTAKE MAINFOLD LID	
A31	E200250310A	LID - 2, INTAKE MANIFOLD	
A32	E200250320A	GASKET - 2, INTAKE MANIFOLD LID	
A34	E200250340Z	LID, C.W. MANIFOLD LID	
A35	E200250350Z	GASKET, C.W. MANIFOLD LID	
A37	E200250370Z	GEAR CASE LID	
A38	E200250380Z	GASKET, GEAR CASE LID	
A43	E200250430A	BLIND FLANGE, L.O. MAIN PIPE	
A44	E200250440Z	GASKET, L.O. MAIN PIPE FLANGE	
A51	E200250510Z	L.O. NOZZLE (2)	
A52	E443010110Z	L.O. NOZZLE	

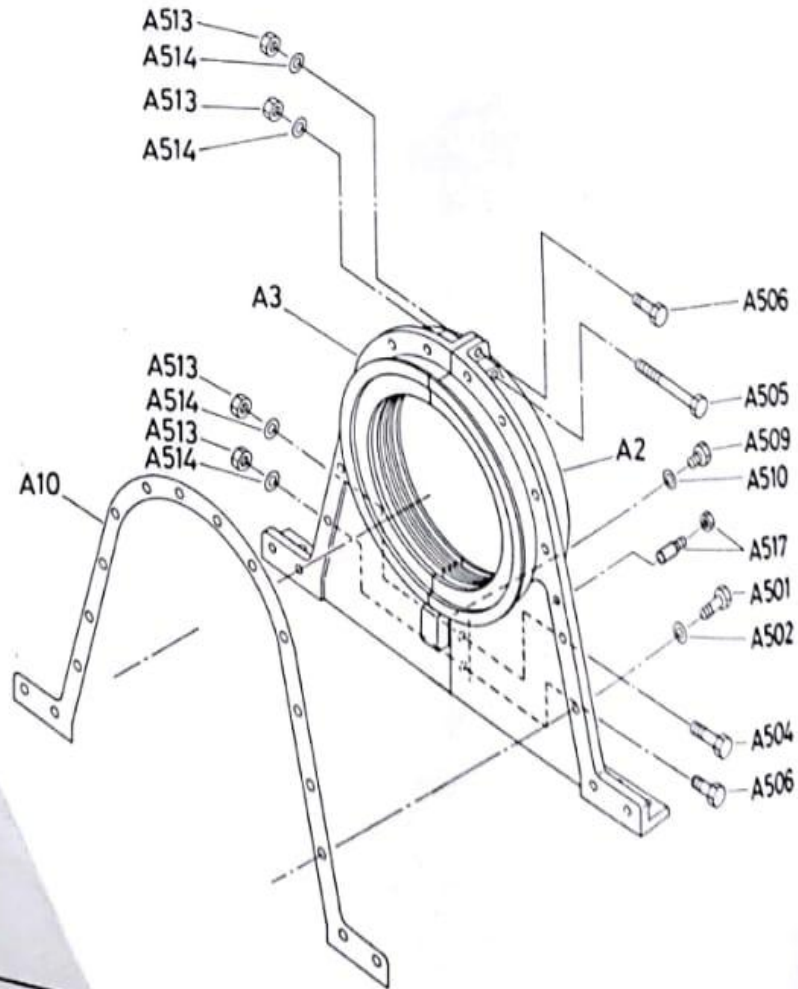
A501	X200012035ZZ	BOLT M12X1 . 75X35	
A502	X200012030ZZ	BOLT M12X1 . 75X30	
A503	X200016035ZZ	BOLT M16X2 . 0X35	
A504	X200012025ZZ	BOLT 12X1 . 75X25	
A505	X200012025ZZ	BOLT 12X1 . 75X25	
A507	X200012035ZZ	BOLT 12X1 . 75X30	
A508	X200012035ZZ	BOLT 12X1 . 75X35	
A509	X200020160ZZ	BOLT M20X2 . 5X160	
A511	Z540200085ZZ	FLANGE (2) 0X85	
A513	Z541207585AZ	GASKET (2) 75X85	
A514	Z565001700ZZ	GASKET 17	
A515	X230303000ZZ	-	
A516	X210012050ZZ	STUD M12X1 . 75X50	
A517	X210012054ZZ	STUD M12X1 . 75X54	
A518	X210012048ZZ	STUD M12X1 . 75X48	
A519	X210016054ZZ	STUD M16X1 . 0X54	
A520	X210016066ZZ	STUD M16X1 . 0X66	
A521	X210012043ZZ	STUD M12X1 . 75X43	
ENGINE FRAME			TYPE
			DK - 20
			SECTION 13
			SHEET 12
No.	Parts No.	Name Of Parts	Quantity
A524	Z336008025ZZ	STEPPED PIN 8X25	
A525	Z336012030ZZ	STEPPED PIN 12X30	
A526	Z665048000ZZ	GASKET 48	
A527	X572348000DZ	SPECIAL PLUG (3) M48X2	
A528	Z571503000ZZ	TAPER PLUG (5) 3/8	
A529	Z571503000ZZ	TAPER PLUG (5) 3/8	
A532	Z560102235ZZ	O RING P22A	
A533	Z560102235ZZ	O RING G35	
A540	X560203531ZZ	NUT M16X2.0	
A542	X340216070ZZ	KNOCK BOLT (2) 16X70	
A543	X220312000ZZ	NUT (3) M12X1.75	
A544	Z300012000ZZ	FLAT WASHER 12	
B1	E200350010A	SIDE COVER (1)	
B12	E200350020A	SIDE COVER (2)	
B4	E200350040Z	SIDE COVER (4)	
B5	E200350050A	SIDE COVER (5)	

B7	E200350070A	CAM GEAR COVER	
B15	E200350150A	GASKET, SIDE COVER (4)	
B16	E200350160A	GASKET, SIDE COVER (5)	
B17	E200350170Z	GASKET, CAM GEAR COVER	
B18	E200350180A	O - RING 314X5.0	
B22	E400300180Z	FLANGE NUT M12X1.75	
B502	X200012020ZZ	BOLT M12X1 . 75X20	
B503	X200012030ZZ	BOLT M12X1 . 75X30	
B505	X200012120ZZ	BOLT M12X1 . 75X120	
B507	X220012000ZZ	NUT M12X1.75	
C1	E200750010A	MAIN BEARING SHELL	
C5	E200750050Z	THRUST BEARING	
C501	Z335008020ZZ	STRAIGHT PIN 8X20	

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SECTION 13	TYPE DK-20	TIMING GEAR CASE & AUX. MACHINERY GEAR CASE 調時齒車室・補機齒車室
SHEET 20		





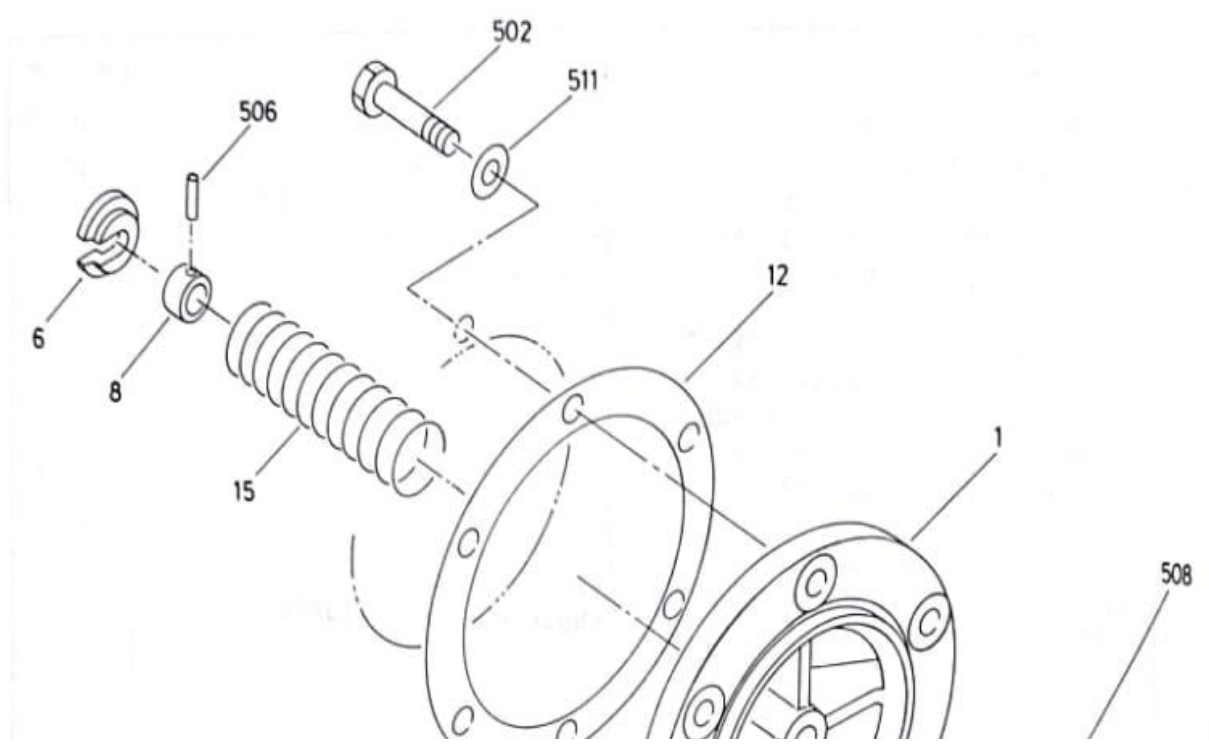
DK-20 Z 93-11

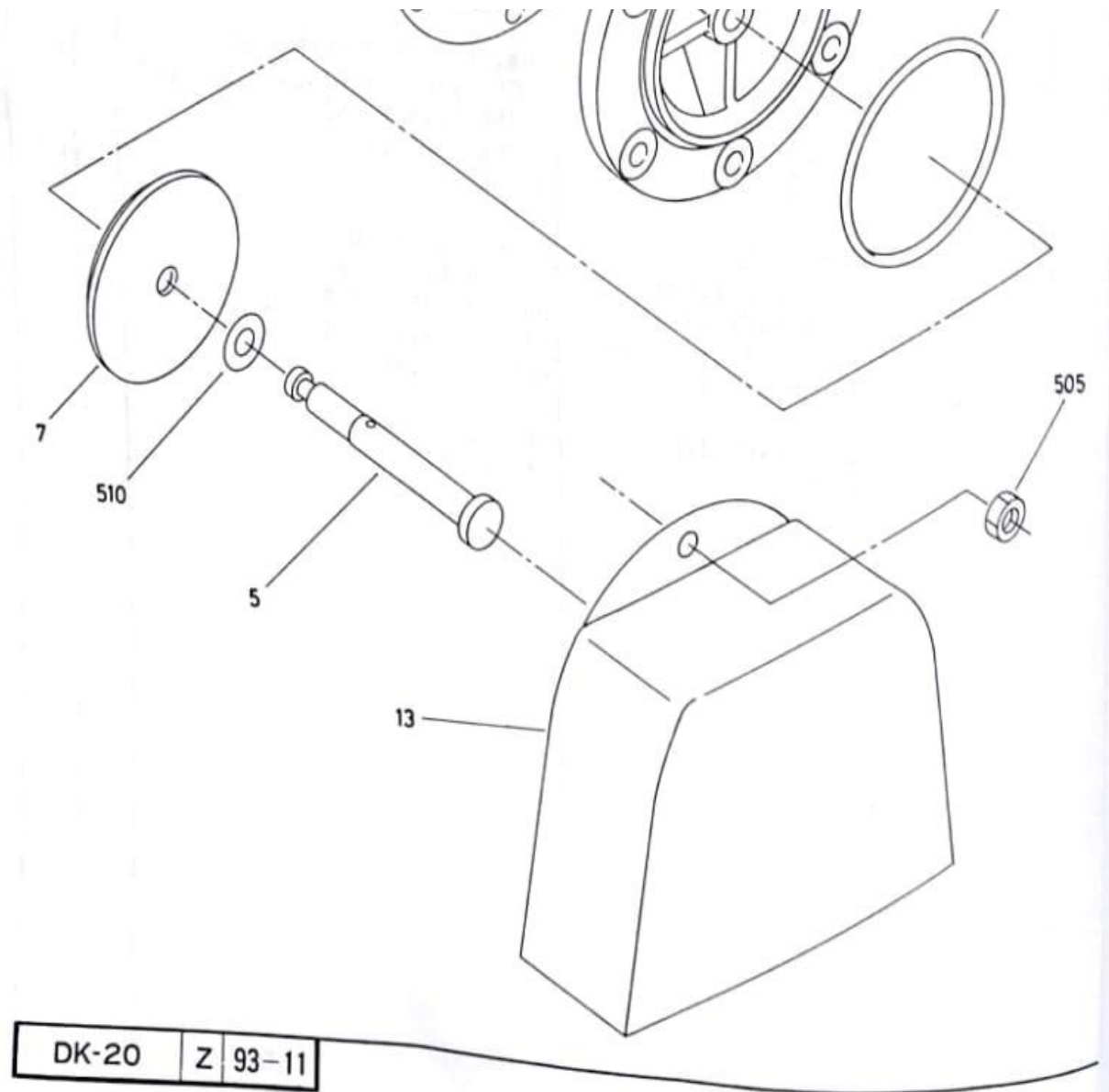
TIMING GEAR CASE & AUX. MACHINERY GEAR CASE			TYPE DK - 20	SECTION 13 SHEET 21
No.	Parts No.	Name Of Parts	Quantity	
A2	E203050011Z	COVER - 1, REAR SIDE		
A3	E203050012Z	COVER - 2, REAR SIDE		
A10	E203050100Z	GASKET, REAR SIDE COVER		
A501	X200012030ZZ	BOLT M12X1 . 75X30		
A502	Z300012000ZZ	FLAT WASHER 12		
A504	X200010040ZZ	BOLT M10X1 . 5X40		
A505	X200010160ZZ	BOLT M10X1 . 5X160		
A506	X345112028ZZ	REAMER BOLT (1) 12X28		
A509	X570003000ZZ	HEX. PLUG 3/8		
A510	Z565001700ZZ	GASKET 17		

A513	X220010000ZZ	NUT M10X1.5	
A514	Z300010000ZZ	FLAT WASHER 10	
A517	X341010030ZZ	KNOCK BOLT ASSY. 10X30	
B2	E203150020A	AUX. MACHINERY GEAR CASE	
B4	E203150040A	GASKET, AUX. MACHINERY GEAR CASE	
B6	E203150060Z	BLANK FLANGE 252	
B7	E203150070Z	GASKET 200/252	
B9	E203150090Z	BLANK FLANGE 210	
B10	E203150020A	GASKET 150/210	
B502	X200010016ZZ	BOLT M10X1 . 5X16	
B503	X200012030ZZ	BOLT M12X1 . 75X30	
B507	X210012043ZZ	STUD M12X1 . 75X30	
B510	X220012000ZZ	NUT M12X1.75	
B519	X570003000ZZ	HEX.PLUG 3/8	
B520	Z565001700ZZ	GASKET 17	

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SECTION 13	TYPE	ENGINE FRAME SAFETY VALVE 架構安全弁
SHEET 30	DK-20	



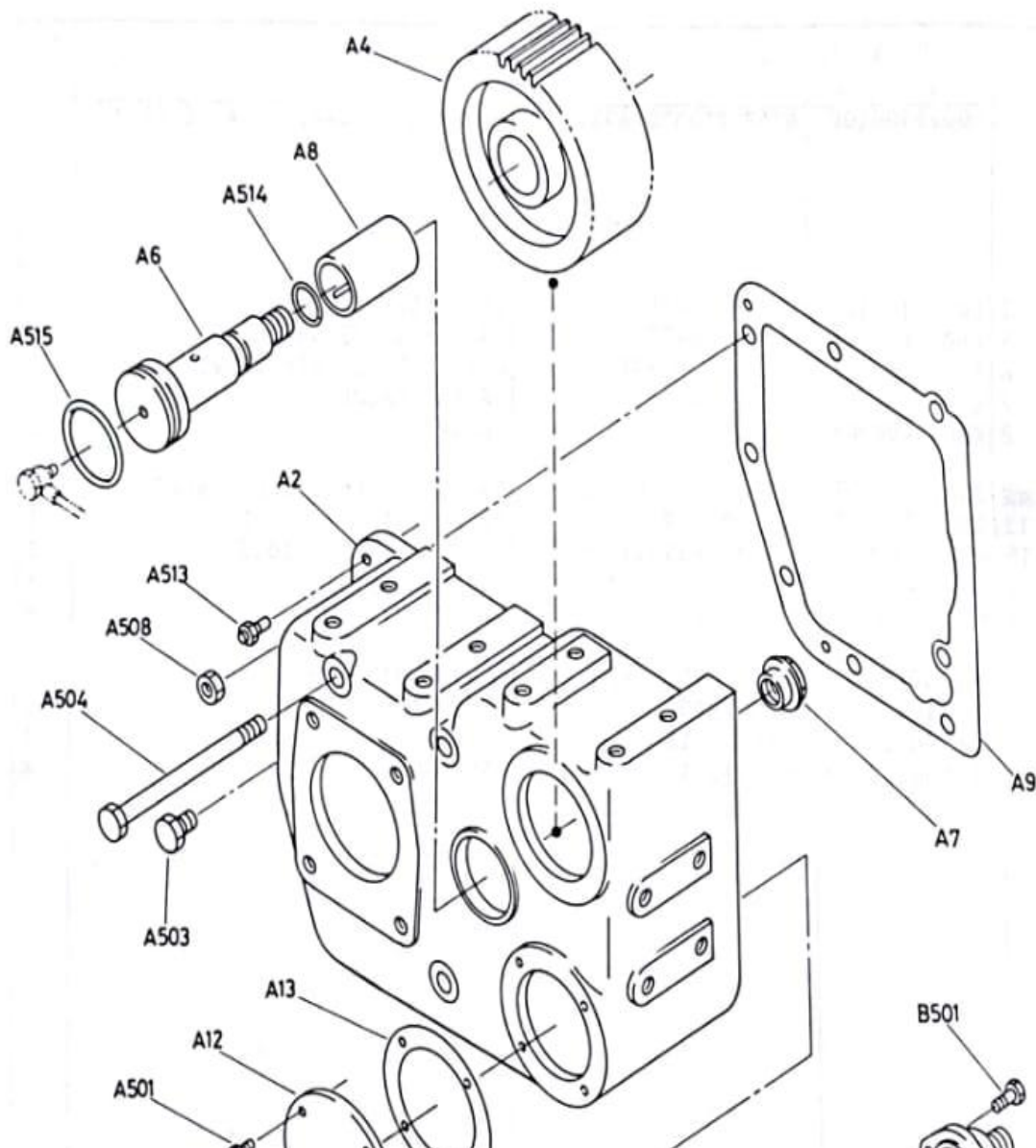


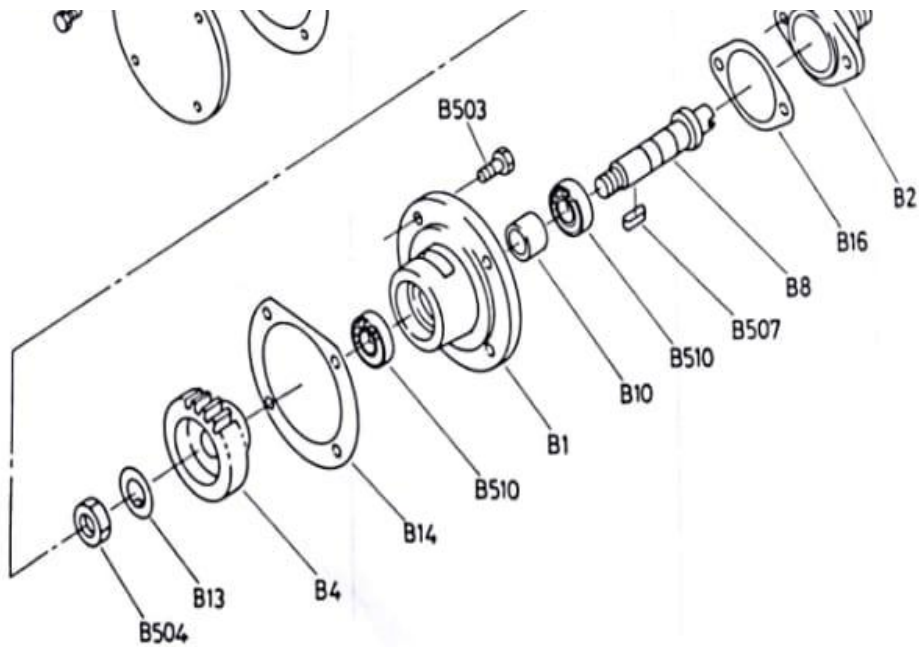
ENGINE FRAME SAFETY VALVE			TYPE DK - 20	SECTION 13 SHEET 31
No.	Parts No.	Name Of Parts	Quantity	
	C001590010C	CRANK CASE SAFETY VALVE ASSY		
1	C001510010A	SEAT, SAFETY VALVE		
5	C001540010A	SAFETY VALVE SHAFT		
6	C001540020Z	RETAINER, SAFETY VALVE		
7	C001540030Z	SAFETY VALVE		
8	C001540050Z	COLOR		
12	C001570010Z	GASKET, SAFETY VALVE SEAT		
13	C001570020A	COVER, SAFETY VALVE		
15	C001579800C	SPRING 3.5X29X110.5		

502	X200010035ZZ	BOLT M10X1 . 5X35	
505	X220010000ZZ	NUT M10X1.5	
506	Z415003020ZZ	SPRING PIN 3X20	
508	Z560109557ZZ	O RING P95	
510	Z565001300ZZ	GASKET 13	
511	Z565001000ZZ	GASKET 10	

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SECTION 13	TYPE	PUMP GEAR CASE ポンプ歯車室
SHEET 40	DK-20	





DK-20

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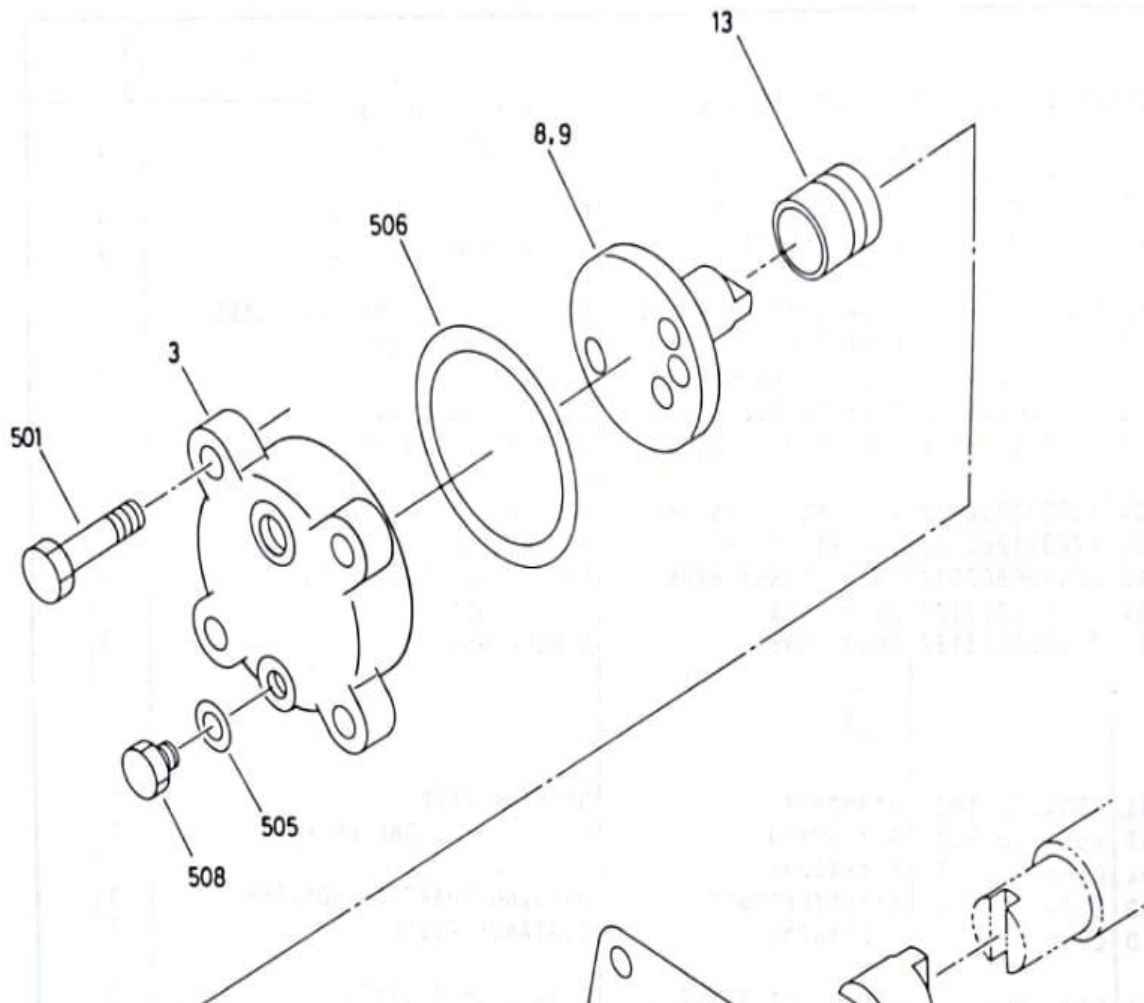
93-11

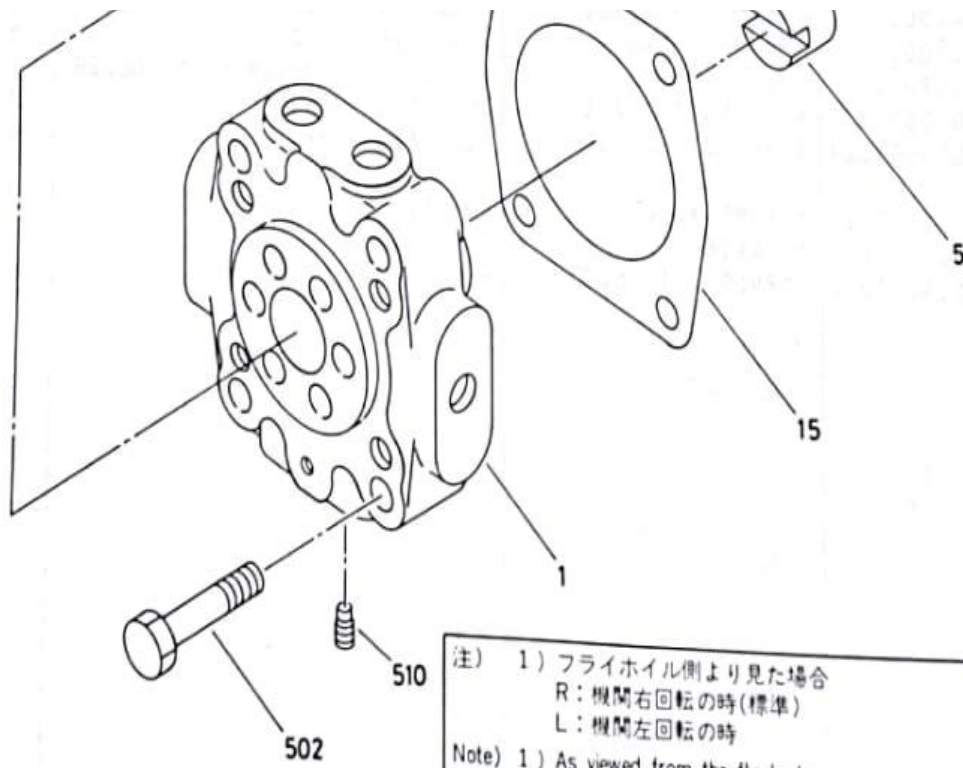
PUMP GEAR CASE			TYPE DK - 20	SECTION 13 SHEET 41
No.	Parts No.	Name Of Parts	Quantity	
A2	E203250020B	OIL PUMP GEAR CASE		
A4	E223200040Z	IDLE GEAR, OIL PUMP		
A6	E223200060A	PUMP IDLE GEAR SHAFT		
A7	E223200070Z	NUT, IDLE GEAR SHAFT		
A8	E223200080Z	BUSH, PUMP IDLE GEAR		
A9	E203250090A	GASKET, OIL PUMP GEAR CASE		
A12	C263400050Z	BLANK FLANGE 114		
A13	C263400060Z	GASKET 81/114		
A501	X200008014ZZ	BOLT M8X1 . 25X14		
A503	X200012025ZZ	BOLT M12X1 . 75X25		
A504	X200012160ZZ	BOLT M12X1 . 75X160		
A508	X220012000ZZ	NUT M12X1.75		
A513	X341008025ZZ	KNOCK BOLT ASSY. 8X25		
A514	Z560202531ZZ	O RING G25		
A515	Z560205531ZZ	O RING G55		
B1	E204250010Z	BEARING CASE		
B2	C014610020Z	HOLDER, TACHOMETER FLEX.		
B4	C276100060Z	GEAR (Z25)		
B8	E224200080A	DRIVING SHAFT, TACHOMETER		

B10	C014640040Z	DISTANCE PIECE	
B13	E224200130Z	CLAW WASHER 17X32	
B14	C270700100Z	GASKET, PUMP BODY	
B16	C014670020Z	GASKET, TACHOMETER FLEX. HOLDER	
B501	X200008018ZZ	BOLT M8X1 . 25X18	
B503	X200008018ZZ	BOLT M8X1 . 25X18	
B504	X220014000ZZ	NUT M14X2.0	
B507	Z400005018ZZ	KEY 5X18	
B510	Z451162030ZZ	BEARING (1) 6203	

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SECTION 13	TYPE	STARTING AIR ROTARY VALVE (6DK)
SHEET 50	DK-20	起動回転弁 (6DK)





注) 1) フライホイール側より見た場合
 R: 機関右回転の時(標準)
 L: 機関左回転の時
 Note) 1) As viewed from the flywheel:
 R: When the engine rotates in clockwise direction (standard)
 L: When the engine rotates in counterclockwise direction

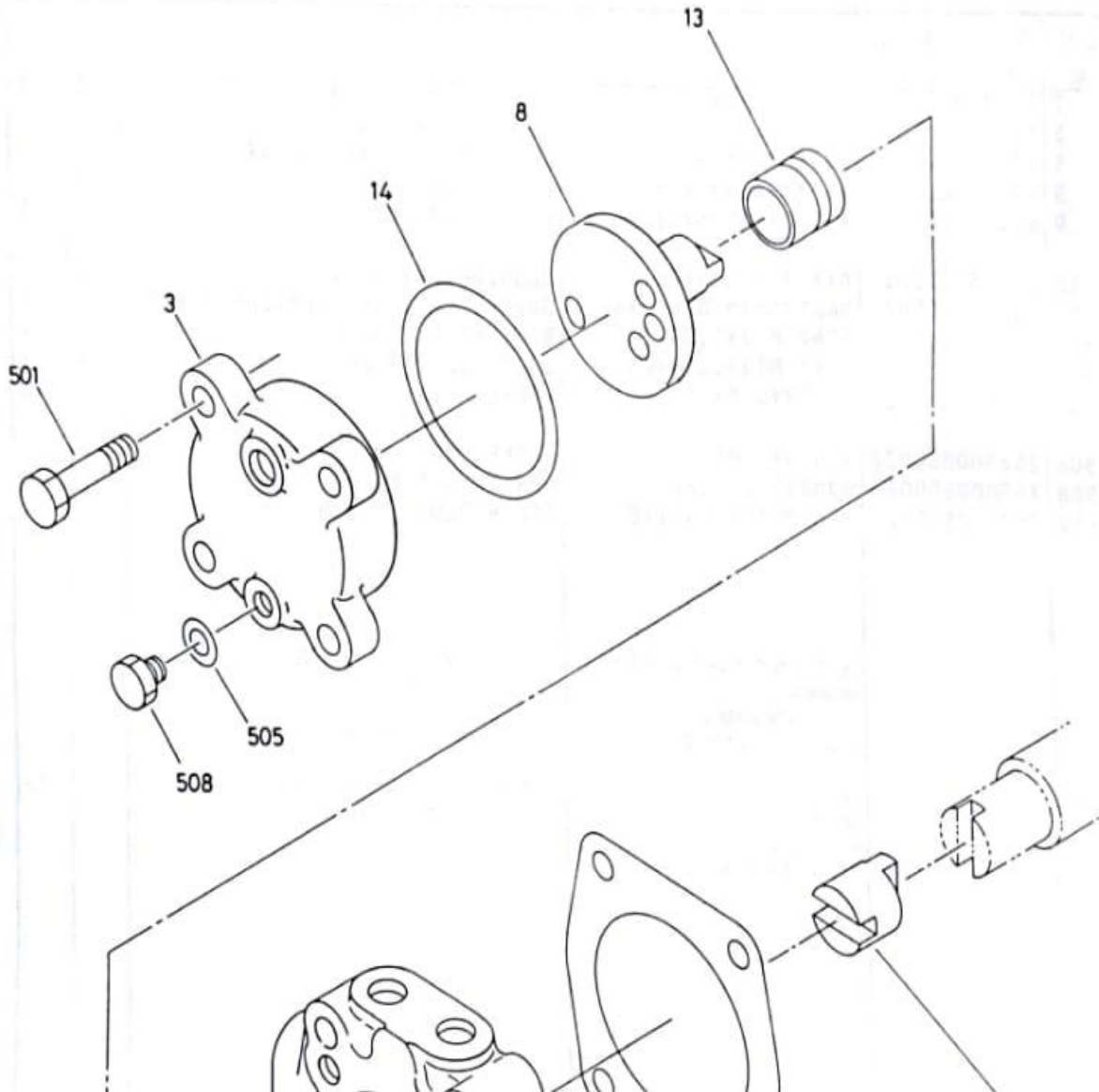
DK-20 | Z | 93-11

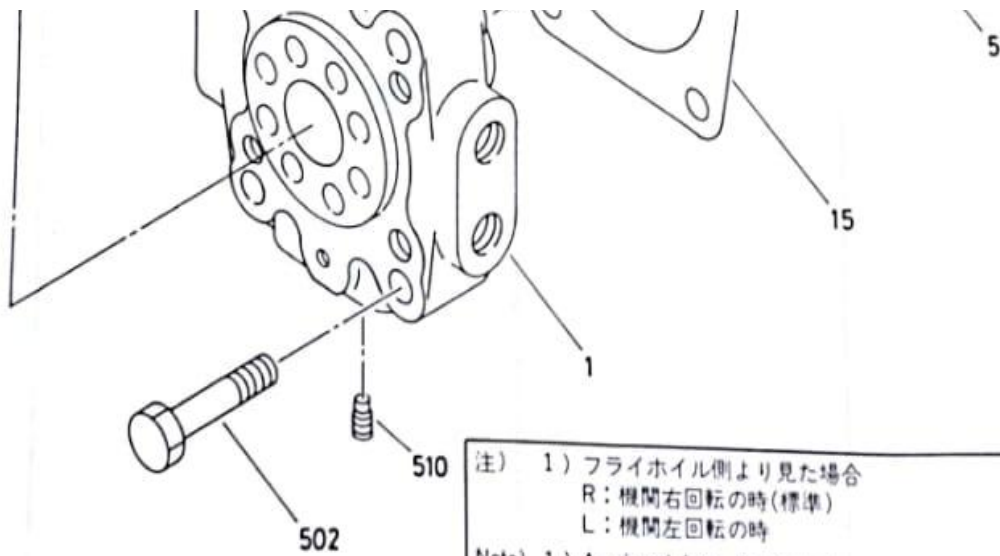
STARTING AIR ROTARY VALVE (6DK)			TYPE DK - 20	SECTION 13 SHEET 51
No.	Parts No.	Name Of Parts	Quantity	
1	E221350010A	ROTARY VALVE SEAT		
3	E221300030A	COVER, ROTARY VALVE		
5	E221300050A	COUPLING, ROTARY VALVE		
8	E221350080Z	ROATARY VALVE (1)		
9	E221350090Z	ROATARY VALVE (2)		
13	E221350130Z	BUSH, ROTARY VALVE		
15	E221300150Z	GASKET, CAMSHAFT BEARING (REAR)		
501	X200012050ZZ	BOLT M12X1 . 75X50		
502	X200012060ZZ	BOLT M12X1 . 75X60		
505	Z565001300ZZ	GASKET 13		
506	Z565008600ZZ	GASKET 86		
508	X570002000ZZ	HEX. PLUG 1/4		
510	Z571501000ZZ	TAPER PLUG (5) 1/8		

		S.A. ROTARY VALVE ASSY. COMPRISED OF ITEM ~ 13 (WITHOUT No. 9) 501 ~ 510 (WITHOUT No. 502)	No. 1 No.
		S.A. ROTARY VALVE ASSY. COMPRISED OF ITEM ~ 13 (WITHOUT No. 8) 501 ~ 510 (WITHOUT No. 502)	No. 1 No.

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SECTION 13	TYPE	STARTING AIR ROTARY VALVE (8DK) 起動回轉弁 (8DK)
SHEET 55	DK-20	





注) 1) フライホイール側より見た場合
 R: 機関右回転の時(標準)
 L: 機関左回転の時

Note) 1) As viewed from the flywheel:
 R: When the engine rotates in clockwise direction (standard)
 L: When the engine rotates in counterclockwise direction

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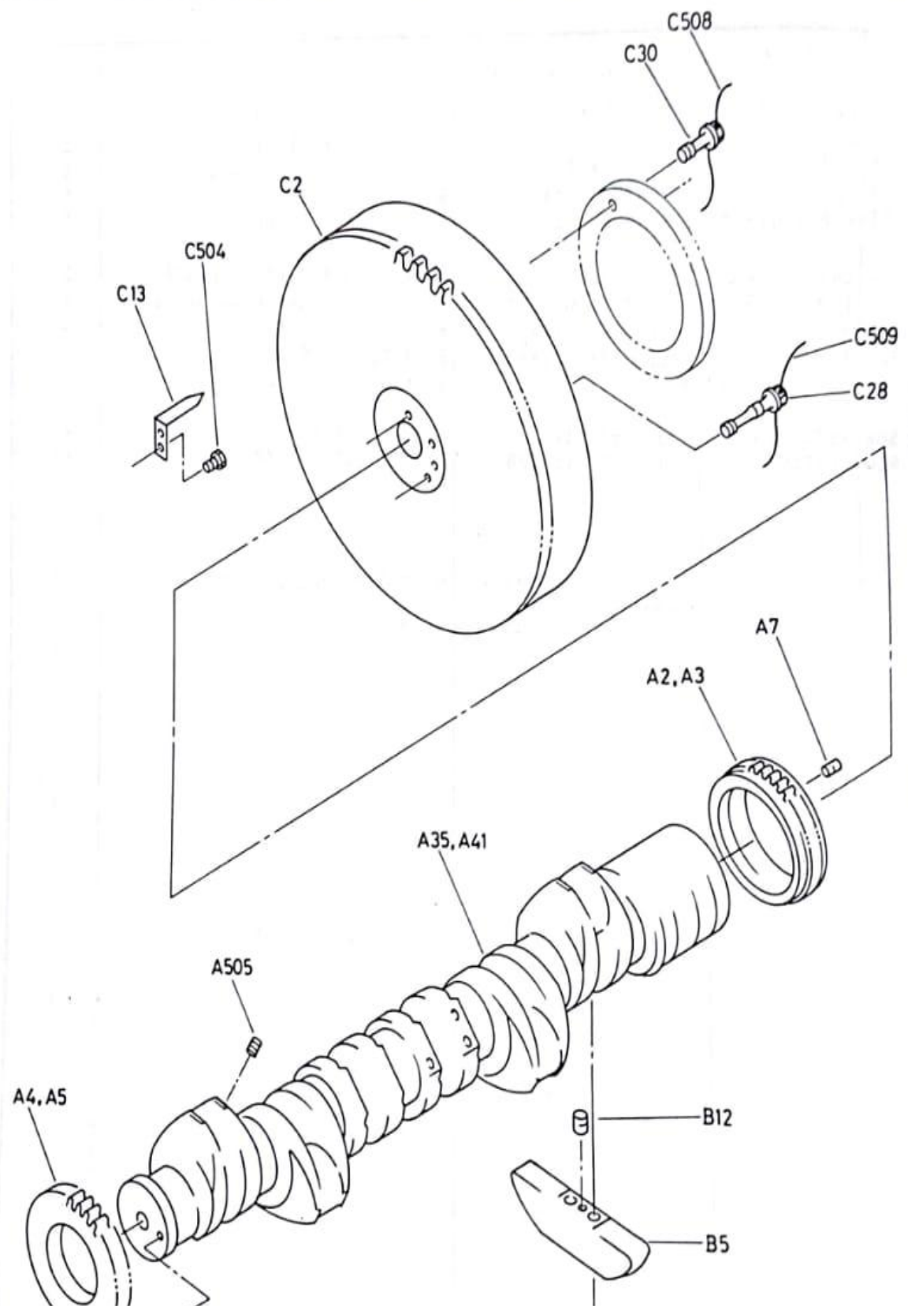
STARTING AIR ROTARY VALVE (8DK)			TYPE DK - 20	SECTION 13 SHEET 56
No.	Parts No.	Name Of Parts	Quantity	
1	E201350010Z	ROTARY VALVE SEAT		
3	E201350030Z	COVER, ROTARY VALVE		
5	E221300050A	COUPLING, ROATARY VALVE		
8	E201350080Z	ROTARY VALVE (1)		
13	E221350130Z	BUSH, ROTARY VALVE		
14	E441300140Z	GASKET, ROTARY VALVE COVER		
15	E221300150Z	GASKET, CAMSHAFT BEARING (REAR)		
501	X200012050ZZ	BOLT M12X1 . 75X50		
502	X200012060ZZ	BOLT M12X1 . 75X60		
505	Z565001300ZZ	GASKET 13		
508	X570002000ZZ	HEX. PLUG 1/4		
510	Z571501000ZZ	TAPER PLUG (5) 1/8		
		S.A. ROTARY VALVE ASSY. COMPRISED OF ITEM , 501 ~ 510 (WITHOUT No. 502)	No. 1	



SECTION
13
SHEET
60

TYPE
DK-20

CRANKSHAFT
クランク軸

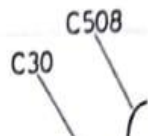


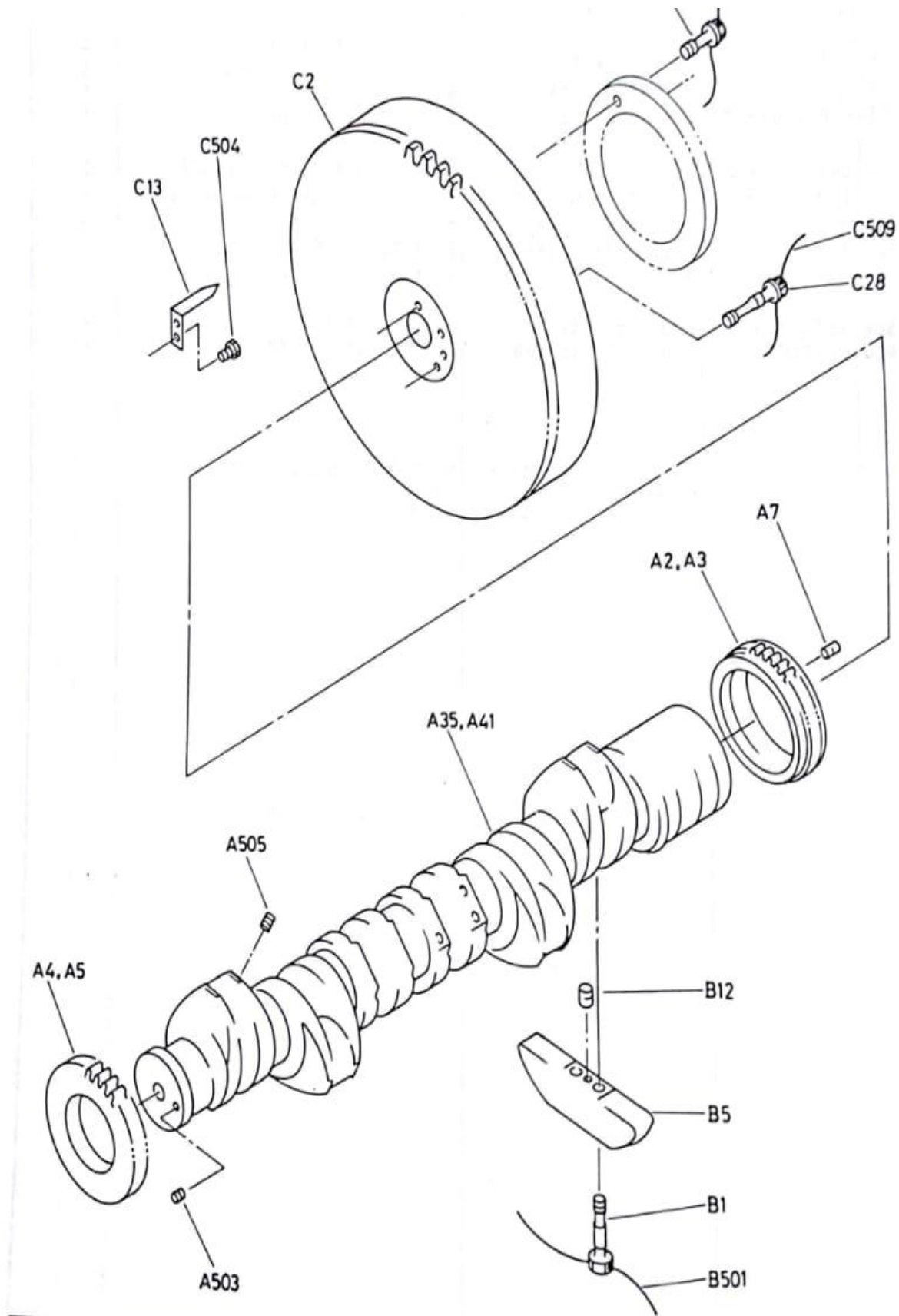


CRANKSHAFT (6DK)			TYPE DK - 20	SECTION 13 SHEET 61
No.	Parts No.	Name Of Parts	Quantity	
A3	E200650030Z	CRANK GEAR- TF		
A4	E200650040Z	AUX. MACHI. DIVING GEAR (Z74)		
A5	E200650050Z	AUX. MACHI. DIVING GEAR (71)		
A7	E160680070Z	PIN 20X35		
A35	E200650341A	CRANKSHAFT (6DK)		
A503	X251210012ZZ	SET SCREW (2) M10X1 . 5X12		
A505	X251514016ZZ	SET SCREW (5) M14X1 . 5X16		
B1	E200850010Z	BALANCE WEIGHT BOLT		
B5	E20085	BALANCE WEIGHT (DEPEND ON SPEC)		
B12	E280870120Z	PIN 25X35		
B501	Z321023400ZZ	WIRE 2.3X400		
C2	E20095	FLYWHEEL (DEPEND ON SPEC)		
C13	E20095	FLYWHEEL POINTER (DEPEND ON SPEC)		
C28	E200950280A	FLYWHEEL BOLT		
C30	E200950300Z	GEN. FITTING BOLT		
C504	X200010016ZZ	BOLT M10X1 . 5X16		
C508	Z321020350ZZ	WIRE 2.0X3500		
C509	Z321020350ZZ	WIRE 2.0X3500		

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SECTION 13	TYPE DK-20	CRANKSHAFT クランク軸
SHEET 60		





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CRANKSHAFT (8DK)			TYPE DK - 20	SECTION 13 SHEET 62
No.	Parts No.	Name Of Parts	Quantity	
A2	E200650030Z	CRANK GEAR		
A4	E200650040Z	AUX. MACHI. DIVING GEAR (Z74)		
A5	E200650050Z	AUX. MACHI. DIVING GEAR (71)		
A7	E160680070Z	PIN 20X35		
A41	E200650341A	CRANKSHAFT (8DK)		
A503	X251210012ZZ	SET SCREW (2) M10X1 . 5X12		
A505	X251514016ZZ	SET SCREW (5) M14X1 . 5X16		
B1	E200850010Z	BALANCE WEIGHT BOLT		
B5	E20085	BALANCE WEIGHT (DEPEND ON SPEC)		
B12	E280870120Z	PIN 25X35		
B501	Z321023400ZZ	WIRE 2.3X400		
C2	E20095	FLYWHEEL (DEPEND ON SPEC)		
C13	E20095	FLYWHEEL POINTER (DEPEND ON SPEC)		
C28	E200950280A	FLYWHEEL BOLT		
C30	E200950300Z	GEN. FITTING BOLT		
C504	X200010016ZZ	BOLT M10X1 . 5X16		
C508	Z321020350ZZ	WIRE 2.0X3500		
C509	Z321020350ZZ	WIRE 2.0X3500		

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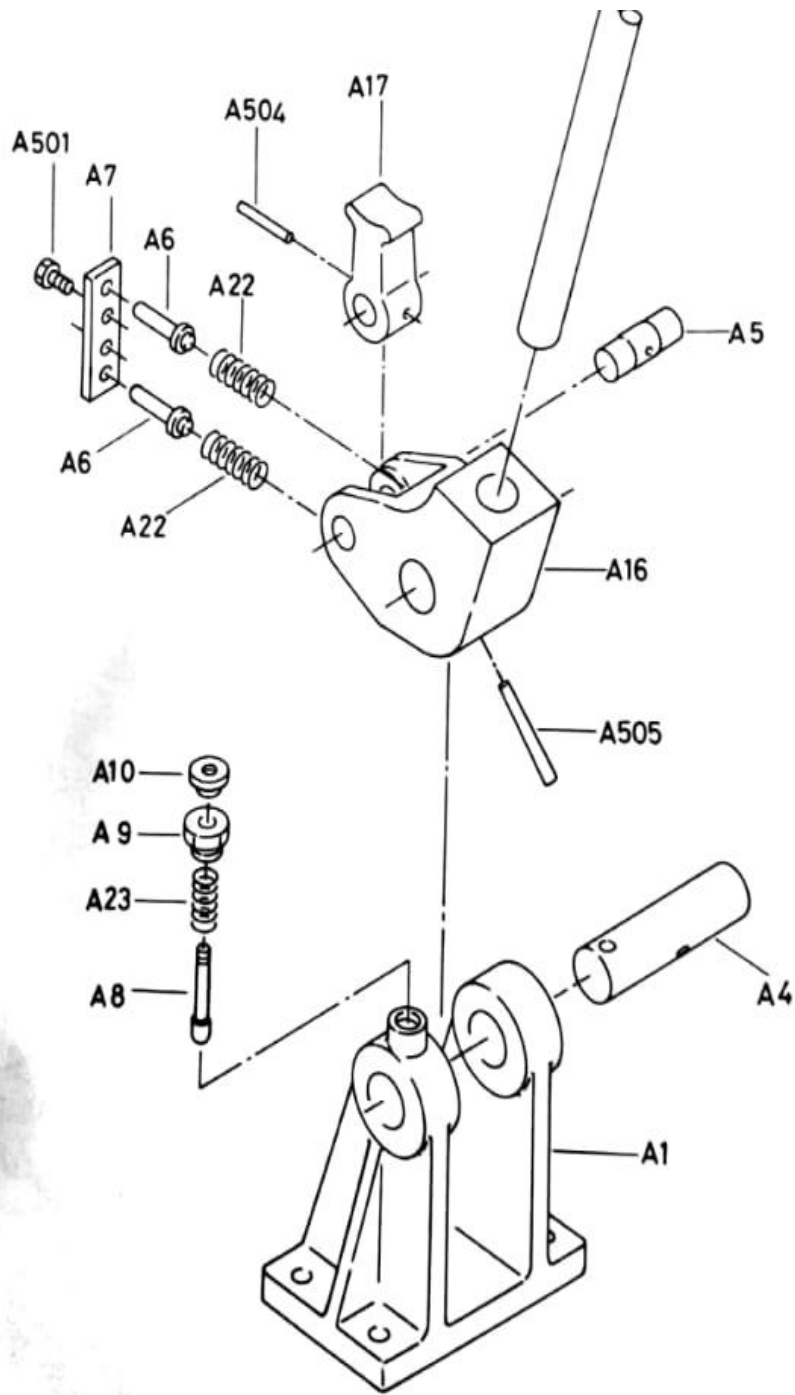
SECTION
13
SHEET
70

TYPE
DK-20

FLYWHEEL TURNING DEVICE

ターニング装置





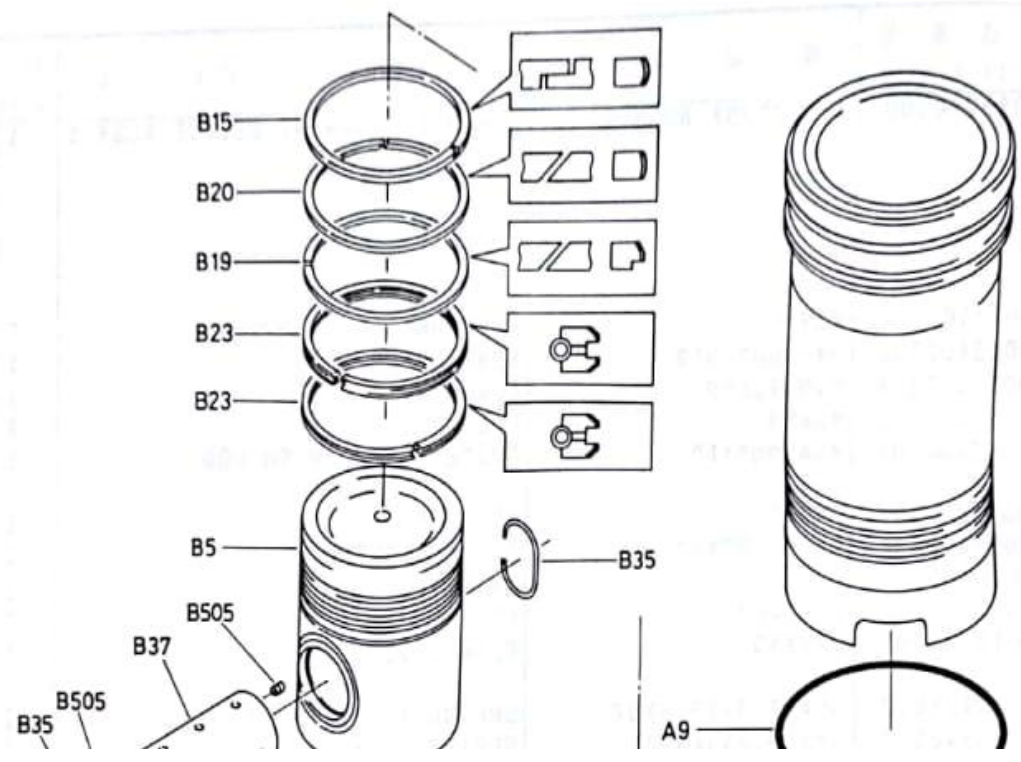
DK-20 Z 93-11

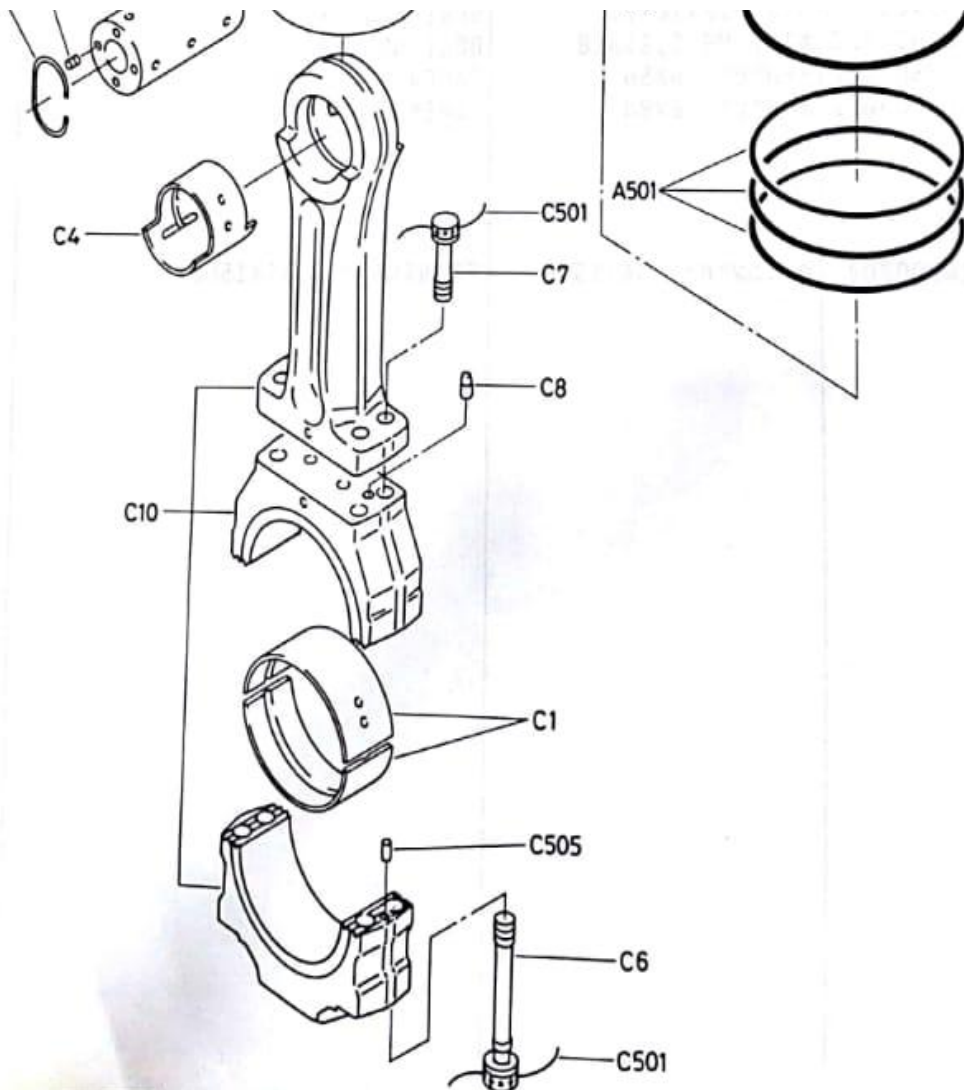
CRANKSHAFT (8DK)			TYPE DK - 20	SECTION 13 SHEET 71
No.	Parts No.	Name Of Parts	Quantity	
	C001390010B	FLYWHEEL TURNING DEVICE ASSY - 1		
A1	C001310010A	FULCRUM		
A4	C001340010A	FORK LEVER SHAFT		

A5	C001340020A	CLAW LEVER SHAFT	
A6	C001340030A	PUSH ROD	
A7	C001340040Z	GUIDE PLATE, PUSH ROD	
A8	C001340050Z	STOPPER	
A9	C001340060Z	GUIDE STOPPER	
A10	C001340070Z	KNOB	
A16	C001370010A	FORK LEVER	
A17	C001370020A	CLAW LEVER	
A22	C001379801Z	SPRING 1.3X15 . 5X57	
A23	C001379802Z	SPRING 0.7X10X21	
A501	X200008018ZZ	BOLT M8X1 . 25X18	
A504	Z330006050ZZ	TAPER PIN 6X50	
A505	Z330008080ZZ	TAPER PIN 8X80	
B7	C001470070Z	TURNING BAR 34X1500	

DAIHATSU

SECTION 13
SHEET 80
TYPE DK-20
CYLINDER LINER, PISTON & CONNECTING ROD
シリンダライナ, ピストン, 連接棒





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CYLINDER LINER, PISTON & CONNECTING ROD			TYPE	SECTION 13
			DK - 20	SHEET 81
No.	Parts No.	Name Of Parts	Quantity	
A2	E205050020B	CYLINDER LINER - (TFP)		
A9	E205050090Z	O RING 258X6.0		
A501	Z560223057ZZ	O RING G230		
B5	E205150050Z	PISTON		
B15	E205150150Z	PISTON RING (1)		
B19	E205150190Z	PISTON RING (3)		
B20	E205150200Z	PISTON RING (2)		
B23	E205150230Z	OIL RING (COIL - 8.0)		
B35	E205150350Z	SNAP RING, C - TYPE		

B37	E205150370Z	PISTON PIN	
B505	X251208008ZZ	SET SCREW (2) M8X1 . 25X8	
C1	E205250010A	CRANKPIN BEARING SHELL	
C4	E205250040Z	PISTON PIN BHUSH	
C6	E205250060Z	CRANKPIN BOLT	
C7	E205250070A	ROD CONNECTING BOLT	
C8	E205250080Z	SPECIAL STRAIGHT PIN 12X28	
C10	E205250100B	CONNECTING ROD	
C501	Z321018020DZ	WIRE 1.8X200	
C505	Z335006016ZZ	STRAIGHT PIN 6X16	
		CYLINDER LINER ASSY. COMPRISED OF ITEM No. A2, A9, A501	
		PISTON ASSY. ITEM B5 ~ B37, B505	COMPRISED OF No.
		PISTON ASSY. ITEM B12 ~ B23	COMPRISED OF No.
		CYLINDER LINER ASSY. COMPRISED OF ITEM No. C4 ~ C10, C501, C505	

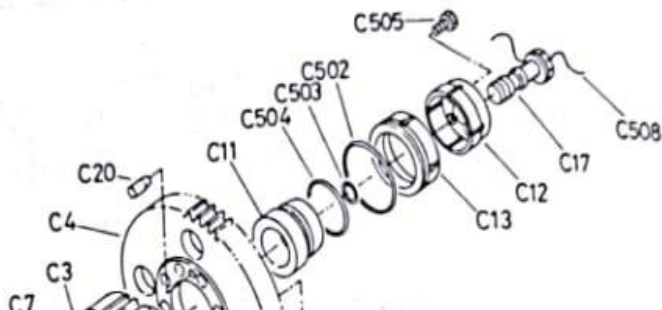
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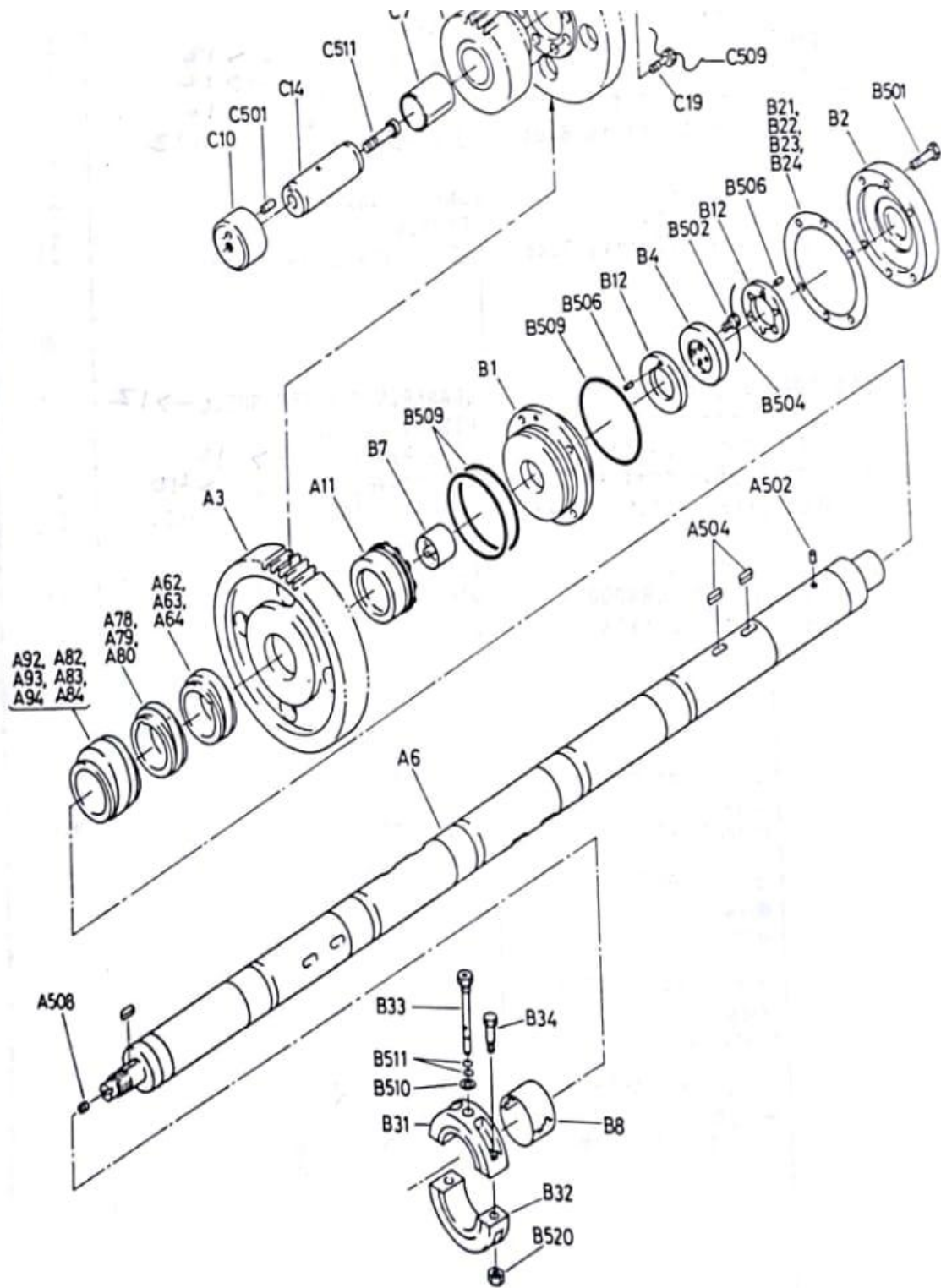
SECTION
13
SHEET
90

TYPE
DK-20

CAMSHAFT & IDLE GEAR (ONE-BLOCK TYPE)

カム軸, アイドルギヤ(一体型)





DK-20	Z	93-11
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CAMSHAFT & IDLE GEAR (ONE -BLOCK TYPE)			PE DK - 20	SECTION 13 SHEET 91
No.	Parts No.	Name Of Parts	Quantity	

A3	E201150030A	CAM GEAR	
A6	E201150060A	CAM SHAFT - 60 (R)	
A11	E201150110Z	POWER LOCK 90X130	
A62	E201150611Z	EXHAUST CAM (90.1) - 285	
A63	E201150612Z	EXHAUSTCAM (90.2)	
A64	E201150613Z	EXHAUST CAM (90.3) - 285	
A78	E201150771Z	INTAKE CAM (90.1) - 265	
A79	E201150773Z	INTAKE CAM (90.2) - 265	
A80	E201150773Z	INTAKE CAM (90.3) - 265	
A82	E201150811Z	FO CAM - 1 (90.1)	
A83	E201150812Z	FO CAM - 1 (90.2)	
A84	E201150813Z	FO CAM - 1 (90.3)	
A92	E201150911Z	FO CAM - 2 (90.1)	
A93	E201150912Z	FO CAM - 2 (90.2)	
A94	E201150913Z	FO CAM - 2 (90.3)	
A502	Z335010014ZZ	STRAIGHT PIN 10X14	
A504	Z400015040ZZ	KEY 15X40	
A508	X251210010ZZ	SET SCREW (2) M10X1.5X10	
B1	E201250010A	BEARING CASING	
B2	E201250020B	CAP	
B4	E201250040Z	PRESSURE PLATE	
B7	E181210060Z	CAM SHAFT BEARING SHELL (1)	
B8	E201250080A	CAM SHAFT BEARING SHELL	
B12	E201250120Z	THRUST METAL, CAM SHAFT	
B21	E201250201A	SHIM (1)	
B22	E201250202A	SHIM(2)	
B23	E201250203A	SHIM(3)	
B24	E201250204A	SHIM(4)	
B31	E201250310Z	BEARING CAM SHAFT (UPPER)	
B32	E201250320Z	BEARING , CAM SHAFT (LOWER)	
B33	E201250330Z	PIN, CAM SHAFT BEARING	
B34	E261210080Z	REAMER BOLT 16X40	
B501	X200012065ZZ	BOLT M12X1 . 75X65	
B502	X200110022ZZ	BOLT (1) M10X1 . 5X22	
B504	Z321012100ZZ	WIRE 1.2X1000	
B506	Z335506012ZZ	STRAIGHT PIN (5) 6X12	

B509	Z560215557ZZ	O RING G155	
B510	Z565001900ZZ	GASKET 19	
B511	Z560112524ZZ	O RING P12.5	
B520	X227014000ZZ	U - NUT M14X2.0	
CAMSHAFT & IDLE GEAR (ONE -BLOCK TYPE)			TYPE
			DK - 20
			SECTION 13
			SHEET 92
No.	Parts No.	Name Of Parts	Quantity
C3	E203550030Z	IDLE GEAR (2)	
C4	E203550040Z	IDLE GEAR (1) - TF	
C7	E203550070Z	BUSH, IDLE GEAR	
C10	E203550100Z	SUPPORTER (1), IDLE GEAR SHAFT	
C11	E203550110A	SUPPORTER (2), IDLE GEAR SHAFT	
C12	E203550120A	SUPPORTER (3), IDLE GEAR SHAFT	
C13	E203550130Z	SUPPORTER (4), IDLE GEAR SHAFT	
C14	E203550140Z	IDLE GEAR SHAFT	
C17	E203550170Z	BOLT, IDLE GEAR SHAFT	
C19	E223550110A	BOLT, IDLE GEAR (1)	
C20	E223500120Z	KNOCK PIN, IDLE GEAR	
C501	Z336008020ZZ	STEPPED PIN 8X20	
C502	Z560211531ZZ	O RING G115	
C503	Z560103035ZZ	O RING P30	
C504	Z560209031ZZ	O RING G90	
C505	X200112024ZZ	BOLT (1) M12X1 . 75X24	
C508	Z321012050ZZ	WIRE 1.2X500	
C509	Z321012050ZZ	WIRE 1.2X500	
C511	Z212016090ZZ	HEX .SOCKET BOTL M16X90	
		1 SHAFT ASSY. ED OF ITEM No. A6 ~ A94, A502 ~ A508 A11, A82 ~ A84	(WITHOUT No.
		1 SHAFT ASSY. ED OF ITEM No. A6 ~ A84, A502 ~ A508 A11)	(WITHOUT No.
		M SHAFTSUB - ASSY ED OF ITEM	

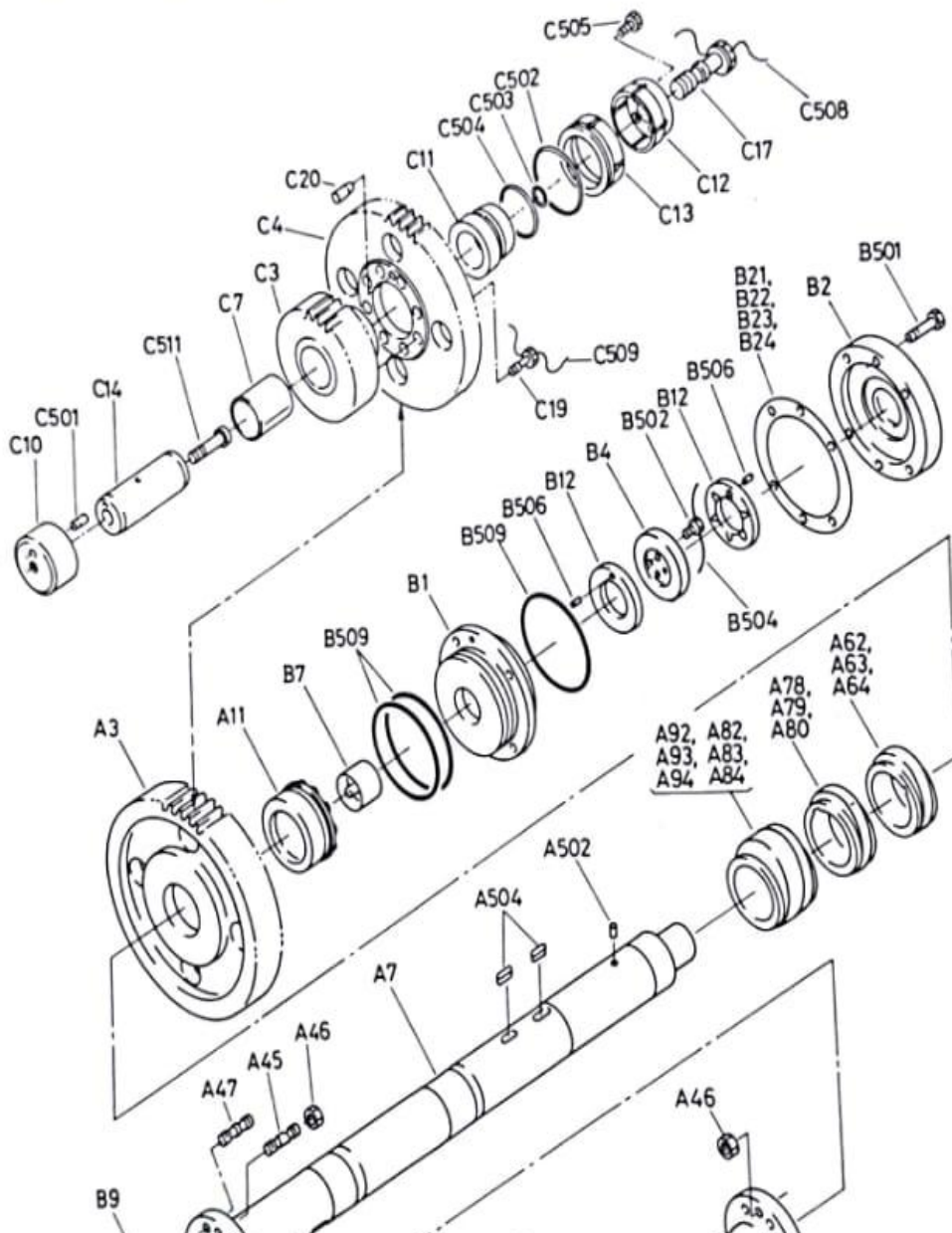
		ED OF ITEM No. A7 ~ A8, A45 ~ A47	
		E GEAR ASSY. ED OF ITEM No. C3 ~ C7, C19, C20, C509	

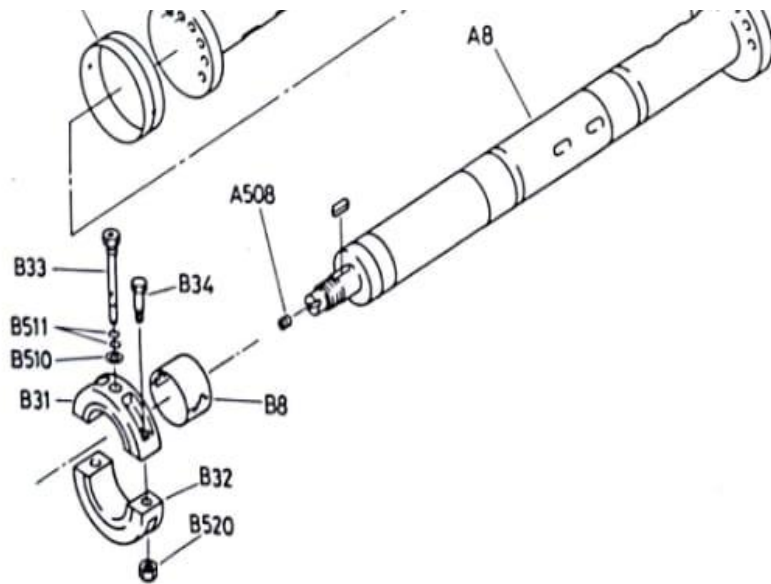
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SECTION
13
SHEET
95

TYPE
DK-20

CAMSHAFT & IDLE GEAR (BUILT-UP TYPE)
カム軸, アイドルギヤ(分割型)





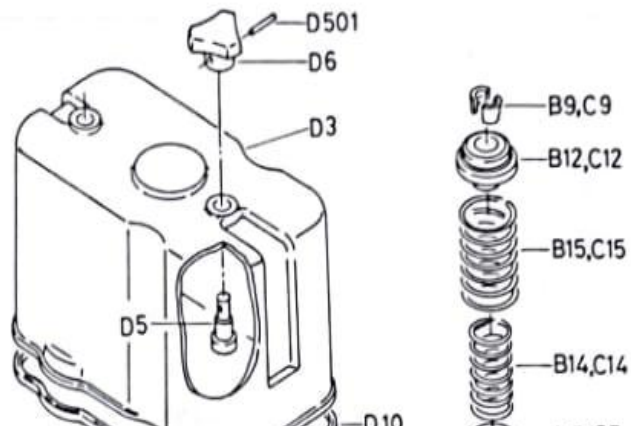
DK-20	Z	93-11
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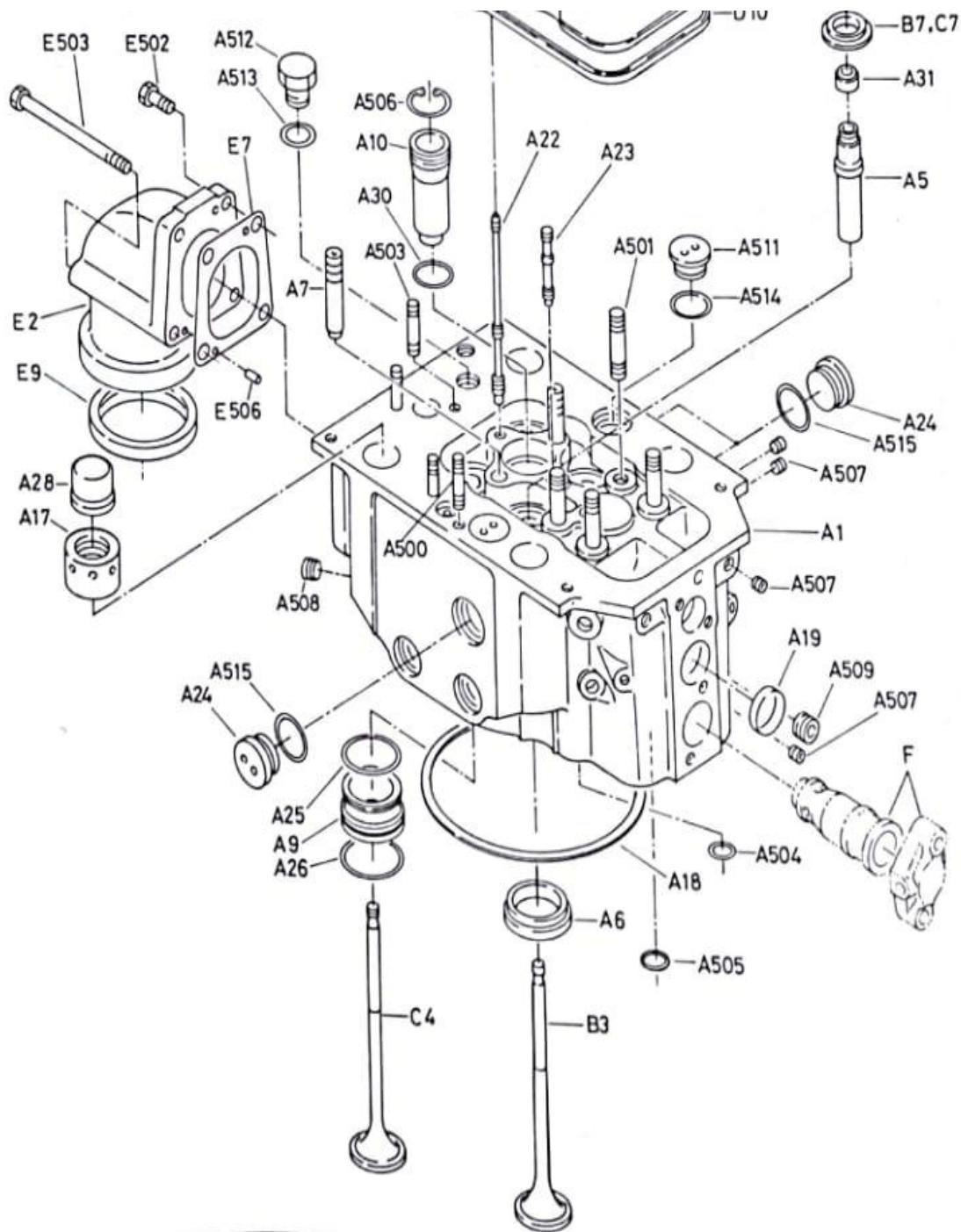
CAMSHAFT & IDLE GEAR (BUILD - UP TYPE)			TYPE DK - 20	SECTION 13 SHEET 97
No.	Parts No.	Name Of Parts	Quantity	
B506	Z335506012ZZ	STRAIGHT PIN (5) 6X12		
B509	Z560215557ZZ	O RING G155		
B510	Z565001900ZZ	GASKET 19		
B511	Z560112524ZZ	O RING P12.5		
B520	X227014000ZZ	U - NUT M14X2.0		
C3	E203550030Z	IDLE GGEAR (2)		
C4	E203550040Z	IDLE GGEAR (1) - TF		
C7	E203550070Z	BUSH, IDLE GEAR		
C10	E203550100Z	SUPPORTER (1), IDLE GEAR SHAFT		
C11	E203550110A	SUPPORTER (2), IDLE GEAR SHAFT		
C12	E203550120A	SUPPORTER (3), IDLE GEAR SHAFT		
C13	E203550130Z	SUPPORTER (4), IDLE GEAR SHAFT		
C14	E203440140Z	IDLE GEAR SHAFT		
C17	E203550172Z	BOLT, IDLE GEAR SHAFT		
C17	E223550110A	BOLT, IDLE GEAR (1)		
C20	E223500120Z	KNOCK PIN, IDLE GEAR		
C501	Z336008020ZZ	STEPPED PIN 8X20		
C502	Z560211531ZZ	O RING G115		
C503	Z560211531ZZ	O RING P30		
C504	Z560103035ZZ	O RING G90		

C505	X200112024ZZ	BOLT (1) M12X1 . 75X24	
C508	Z321012050ZZ	WIRE 1.2X500	
C509	Z321012050ZZ	WIRE 1.2X500	
C511	Z212016090ZZ	HEX. SOCKET BOLT M16X90	
		COM SHAFT ASSY. COMPRISED OF ITEM No.A7 ~ A94, A502 ~ A508 (WITHOUT No. A11, A82 ~ A84)	
		COM SHAFT ASSY. COMPRISED OF ITEM No.A7 ~ A84, A502 ~ A508 (WITHOUT No. A11)	
		COM SHAFT SUB ASSY. COMPRISED OF ITEM No.A7 ~ A8, A45 ~ A47	
		IDLE GEAR SHAFT ASSY. COMPRISED OF ITEM No.C3 ~ C7, C19, C20, C509	

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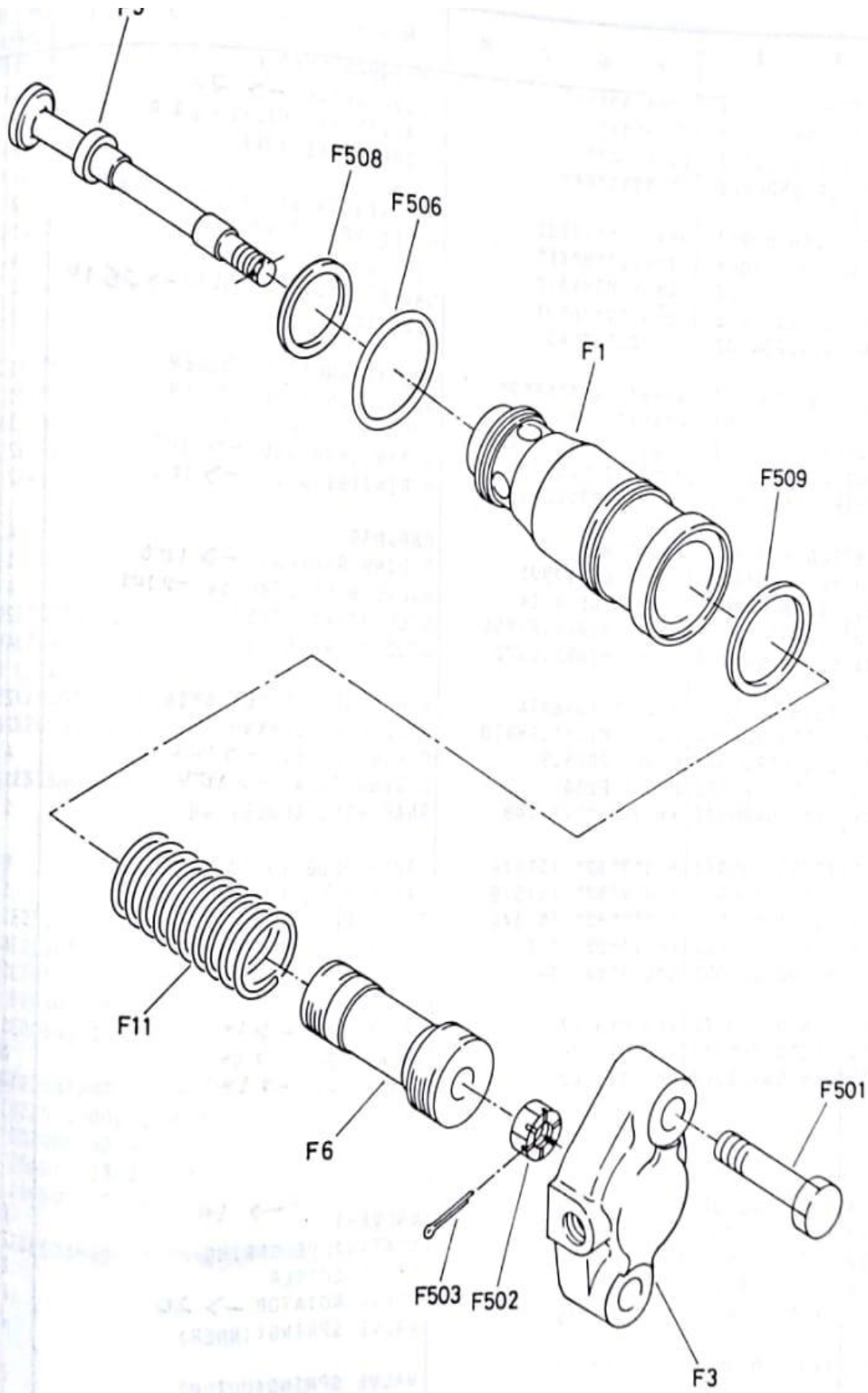
SECTION 13	TYPE DK-20	CYLINDER HEAD シリンダヘッド
SHEET 100		





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CYLINDER HEAD (STARTING VALVE) シリンダヘッド(起動弁)		DAIHATSU	
		TYPE DK-20	SECTION 13 SHEET 101



DK-20

Z

93-11

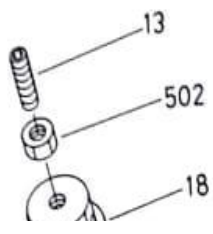
CYLINDER HEAD			TYPE DK - 20	SECTION 13 SHEET 102
No.	Parts No.	Name Of Parts	Quantity	
A1	E205650010A	CYLINDER HEAD - C		
A5	E205650050Z	VALVE GUIDE		
A6	E205650060Z	SEAT, INTAKE VALVE		
A7	E205650070Z	GUIDE, VALVE YOKE		
A9	E205650090Z	SEAT, EX. VALVE (METCO)		
A10	E205650100A	GUIDE, NOZZLE HOLDER		
A17	E200250170Z	CIRCULAR NUT, M39X3.0		
A18	E205650180Z	GASKET, CYLINDER HEAD		
A19	H155023470Z	PLUG 45		
A22	E205650220Z	BOLT (1), NOZZLE HOLDER		
A23	E205650230Z	BOLT (2), NOZZLE HOLDER		
A24	E265610240Z	SPECIAL PLUG M42X2.0		
A25	E205600250Z	O RING (FRU) G60		
A26	E205600260A	O RING (SI) 71		
A28	E205650280Z	CAP, M39		
A30	E245650300Z	O RING G40 (4D)		
A31	E165600390Z	VALVE STEM SEAL 14		
A500	X210012054ZZ	STUD M12X1 . 75X54		
A501	X210016072ZZ	STUD M16X2 . 0X72		
A502	Z335606014ZZ	STRAIGHT PIN (6) 6X14		
A503	X210012050ZZ	STUD M12X1 . 75X50		
A504	Z560002055ZZ	O RING 20X5.5		
A505	Z560102235ZZ	O RING P22A		
A506	Z412004800ZZ	SNAP RING (HOLE) 48		
A507	Z571502000ZZ	TAPER PLUG (5) 1/4		
A508	Z571503000ZZ	TAPER PLUG (5) 3/8		
A509	Z571506000ZZ	TAPER PLUG (5) 3/4		
A511	X572310000DZ	SPECIAL PLUG (3) 1		
A512	X570006000DZ	HEX. PLUG 3/4		
A513	Z565002700ZZ	GASKET 27		
A514	Z565003400ZZ	GASKET 34		

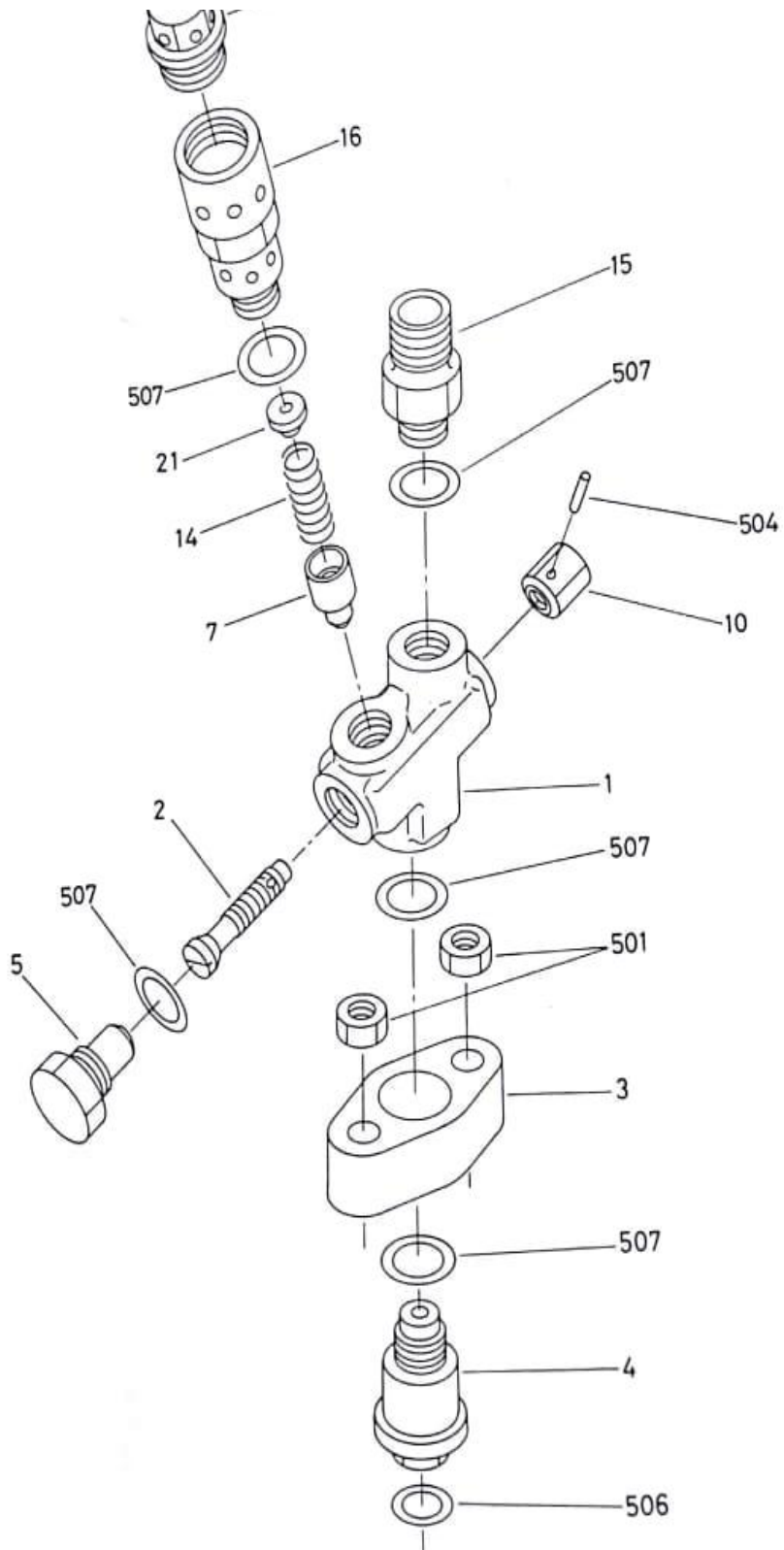
A515	Z565004200ZZ	GASKET 42	
B3	E205750030Z	VALVE - 1	
B7	E205750070Z	SEAT, VALVE SPRING	
B9	E205750090Z	VALVE COTTER	
B12	E205750120Z	VALVE ROTATOR	
B14	E205750140Z	VALVE SPRING (INNER)	
B15	E205750150Z	VALVE SPRING (OUTER)	
CYLINDER HEAD			TYPE DK - 20
			SECTION 13 SHEET 103
No.	Parts No.	Name Of Parts	Quantity
C4	E205850040Z	EXHAUST VALVE - 1	
C7	E205750070Z	SEAT, VALVE SPRING	
C9	E205750090Z	VALVE COTTER	
C12	E205750120Z	VALVE ROTATOR	
C14	E205750140Z	VALVE SPRING (INNER)	
C15	E205750150Z	VALVE SPRING (OUTER)	
D3	E206350030Z	COVER (2), CYLINDER HEAD	
D5	E206350050Z	SHAFT, HEAD COVER KNOB	
D6	E266300050A	KNOB, CYLINDER HEAD COVER	
D10	E206350100B	RUBBER SEAL, HEAD COVER	
D501	Z415004024ZZ	SPRING PIN 4X24	
E2	E202050020Z	BEND, INTAKE MANIFOLD	
E7	E202050070Z	GASKTE, INTAKE MANIFOLD BEND	
E9	E202050090Z	SEAL, INTAKE MANIFOLD BEND	
E502	X200012032ZZ	BOLT M12X1 . 75X32	
E503	X200012165ZZ	BOLT M12X1 . 75X165	
E506	Z335606014ZZ	STRAIGHT PIN (6) 6X14	
F1	E206050010Z	BODY, STARTING VALVE	
F3	E206050030Z	COVER, STARTING VALVE	
F5	E206050050Z	STARTING VALVE	
F6	E206050060Z	PISTON, STARTING VALVE	
F11	E206050110Z	SPRING 4X30 . 5X69.2	
F501	X205012050ZZ	HT BOLT M12X1 . 75X50	
F502	X225710000JZ	CASTLE NUT (7) M10X1.25	
F503	Z320002025JZ	SPLIT PIN 2X25	

F506	Z560104235ZZ	O RING P42	
F508	Z665030000ZZ	GASKET 30	
F509	Z665038000ZZ	GASKET 38	
		CYLINDER HEAD ASSY. (WITHOUT VALVE) COMPRISED OF ITEM No.A1 ~ A31, A500 ~ A515 (WITHOUT A17, A18, A28, A504, A505)	
CYLINDER HEAD			TYPE DK - 20
			SECTION 13 SHEET 104
No.	Parts No.	Name Of Parts	Quantity
		INTAKE VALVE ASSY. COMPRISED OF ITEM No.B3 ~ B15	
		EXHAUST VALVE ASSY. COMPRISED OF ITEM No.C4 ~ C15	
		STARTING VALVE ASSY. COMPRISED OF ITEM No. F1 ~ F11, F502 ~ F509 F508 (WITHOUT No.	
		CYLINDER HEAD ASSY. (WITH VALVE) COMPRISED OF ITEM No. (1), (2), (3), (4), F501, F508 AND INDICATOR & SAFETY VALVE ASSY. (WITH No. 501, 506)	

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SECTION 13	TYPE DK-20	INDICATOR & SAFETY VALVE 指压器, 安全弁
SHEET 110		



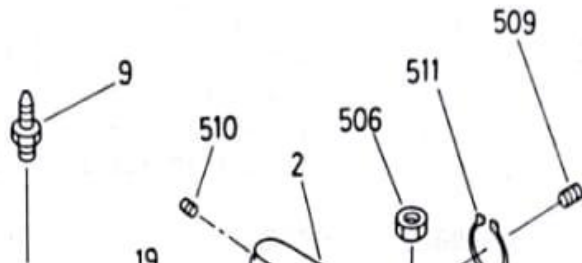


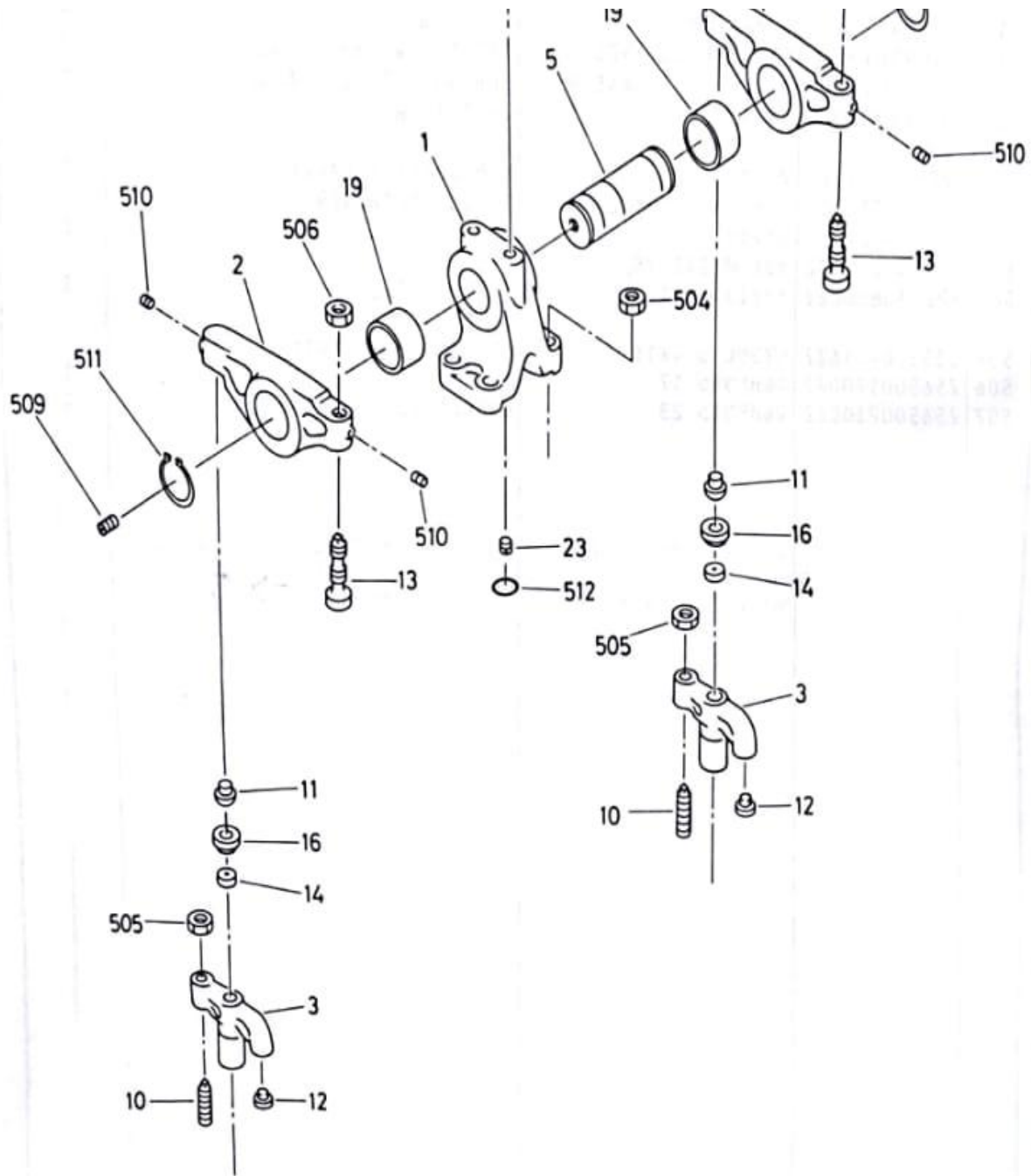
DK-20	Z	93-11
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No.	Parts No.	Name Of Parts	Quantity
1	E206950010Z	BLOCK, INDICATOR VALVE	
2	E206950020Z	VALVE, INDICATOR	
3	E206950030Z	FLANGE, INDICATOR VALVE	
4	E206950040Z	SHAFT, INDIACTOR VALVE	
5	E206950050Z	SPECIAL HEX. PLUG M22X1.5	
7	C031640070Z	SAFETY VALVE	
10	E206950100Z	NUT, INDICATOR VALVE	
13	E206950130Z	SET SCREW M8X1 . 25X25	
14	C031670251Z	SPRING 4.0X12 . 5X45.6	
15	C031640080Z	INDICATOR CONNECTOR	
16	E206950160Z	BODY, SAFETY VALVE	
18	E206950180Z	SPRING RETAINER	
21	E206950210Z	SPRING SEAT	
501	X220012000ZZ	NUT M12X1.75	
502	X220308000ZZ	NUT (3) M8X1.25	
504	Z335004016ZZ	STRAIGHT PIN 4X16	
506	Z565001700ZZ	GASKET 17	
507	Z565002300ZZ	GASKET 23	
		INDICATOR & SAFETY VALVE ASSY. COMPRISED OF ITEM No. 1 ~ 21, 502, 504, 507	

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SECTION 13	TYPE DK-20	VALVE OPERATING DEVICE 動弁装置
SHEET 120		





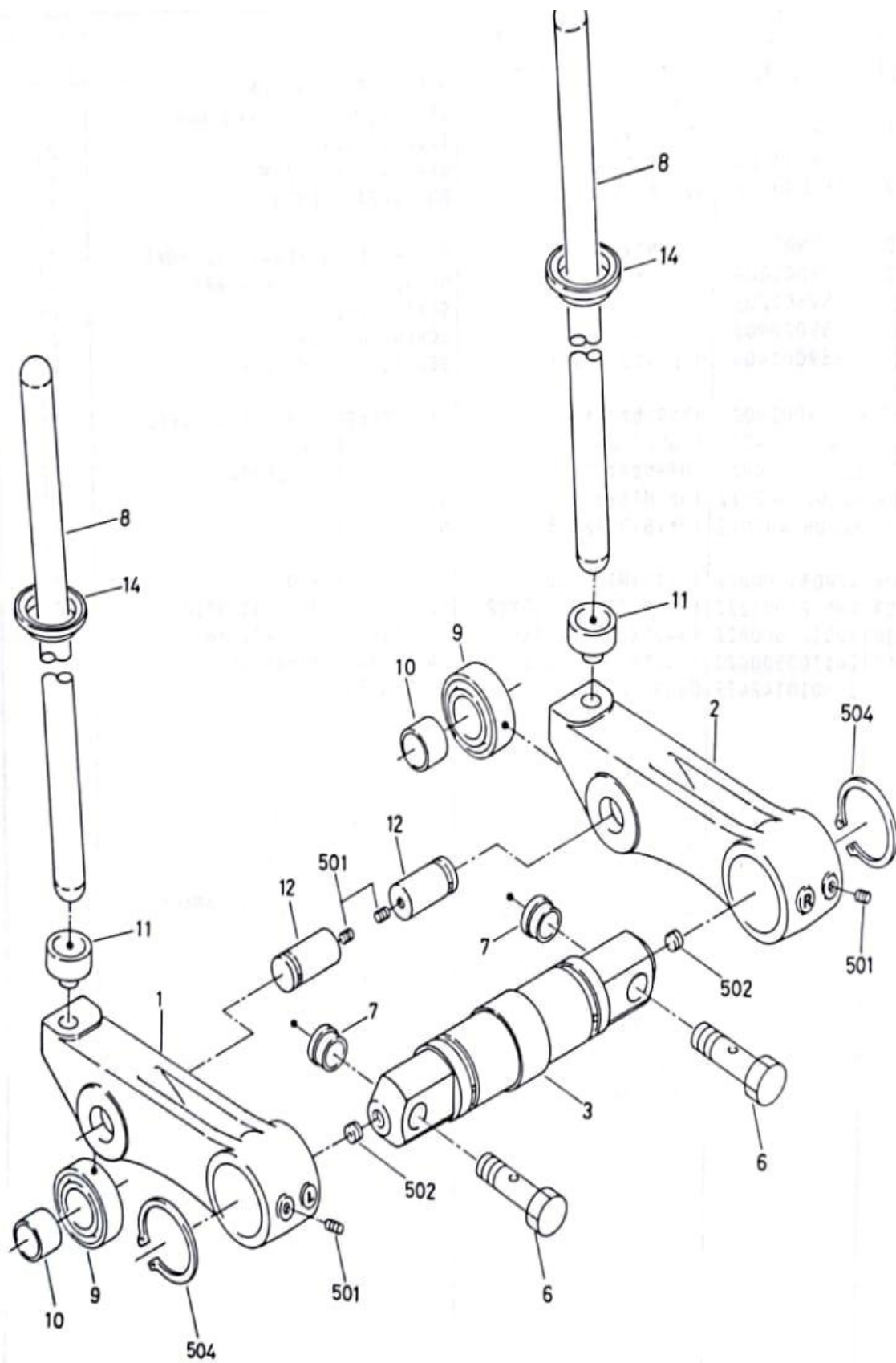
DK-20 | Z | 93-11

VALVE OPERATING DEVICE			TYPE DK - 20	SECTION 13
				SHEET 121
No.	Parts No.	Name Of Parts	Quantity	
1	E205950010Z	HOLDER, ROCKER ARM		
2	E205950020Z	IN. & EX. VALVE ROCKER ARM		
3	E205950030Z	T, VALVE YOKE		

5	E205950050Z	SHAFT, ROCKER ARM	
9	E205950090Z	BOLT, HEAD COVER	
10	E205950100Z	ADJUSTING SCREW, VALVE YOKE	
11	E225900100A	METAL PIECE ROCKER ARM	
12	E205950120Z	SEAT, VALVE YOKE	
13	E225900090Z	SCREW, ROCKER ARM	
14	E225900140A	SEAT (1), VALVE YOKE	
16	E225900160Z	CAP, ROCKER ARM METAL PIECE	
19	E205950190Z	BUSH, ROCKER ARM	
23	E285970280Z	L.O. ADJUSTING SCREW	
504	X220016000ZZ	NUT M16X2.0	
505	X220814000ZZ	NUT (8) M14X1.5	
506	X220316000ZZ	NUT (3) M16X2.0	
509	X251210012ZZ	SET SCREW (2) M10X1 . 5X12	
510	X251206006ZZ	SET SCREW (2) M6X1 . 0X16	
511	Z411005000ZZ	SNAP RING (SHAFT) 50	
512	Z560101424ZZ	O RING P14	
		ROCKER ARM ASSY. COMPRISED OF ITEM No. 1, 2, 5, 13, 19, 23, 506 ~ 511	
		IN. EX. VALVE ROCKER ARM ASSY. (WITH BUSH) COMPRISED OF ITEM No. 2, 11, 19, 510	
		IN. EX. VALVE T VALVE YOKE ASSY. (WITH SEAT) COMPRISED OF ITEM No. 3, 12, 14	

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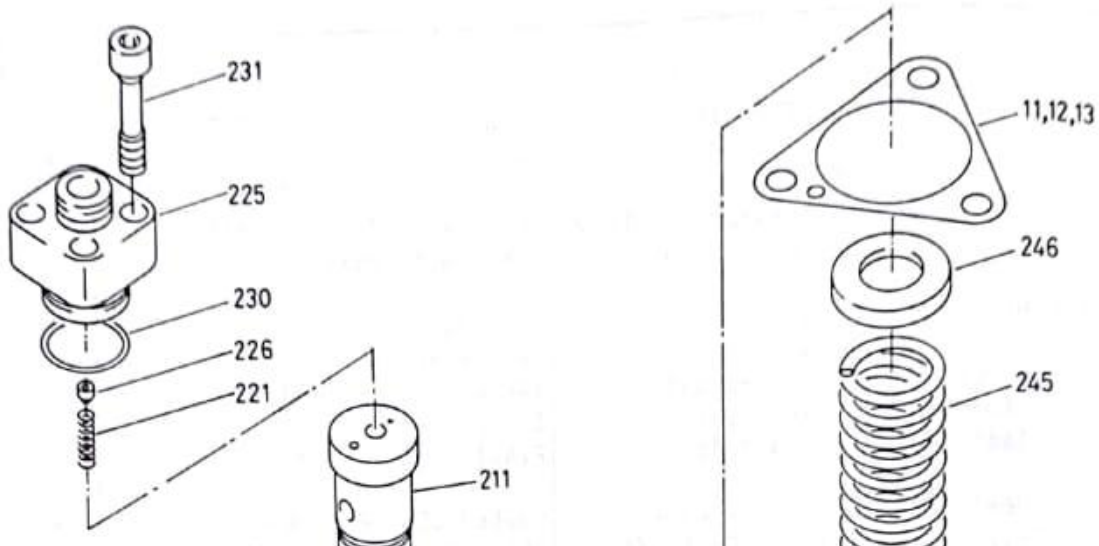
SECTION 13	TYPE DK-20	INTAKE & EXHAUST TAPPET 吸, 排気タペット
SHEET 130		

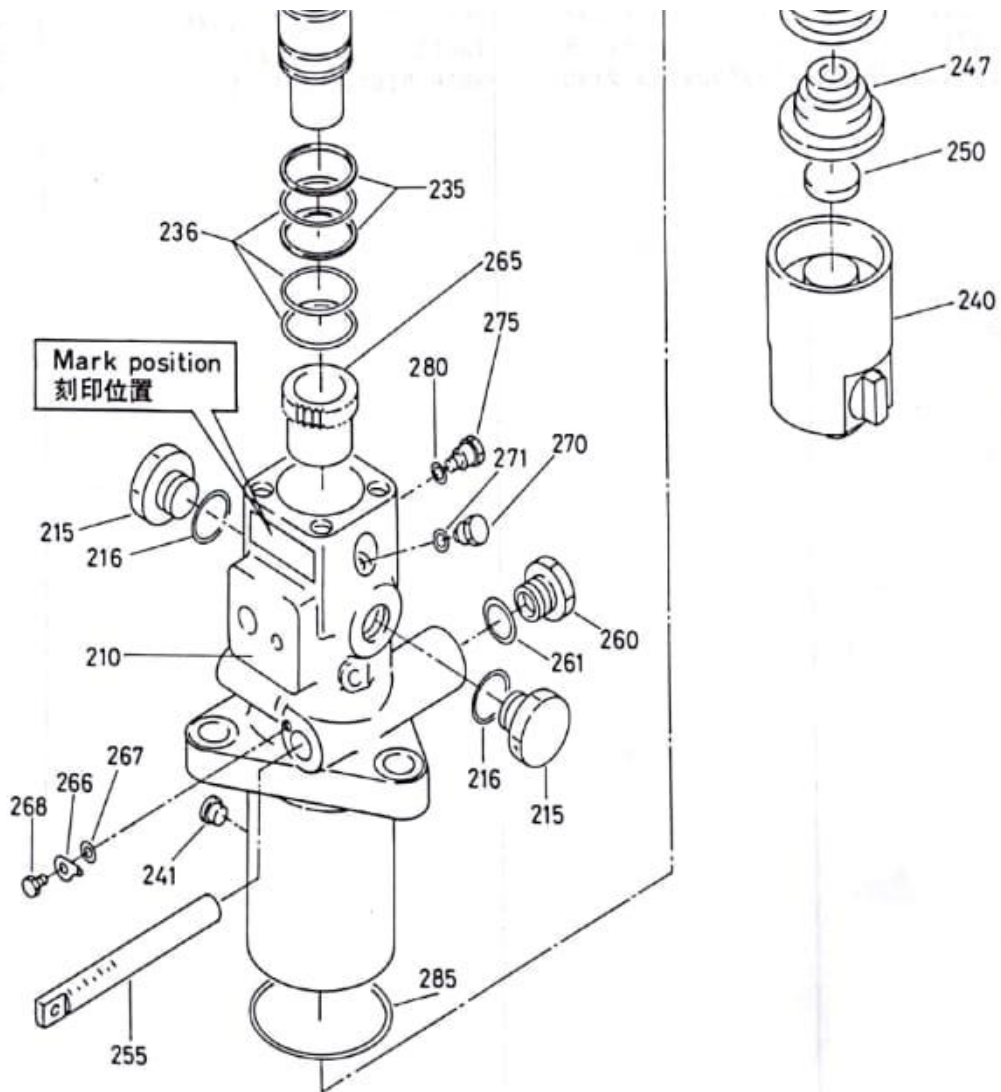


INTAKE & EXHAUST TAPPET			TYPE DK - 20	SECTION 13 SHEET 131
No.	Parts No.	Name Of Parts	Quantity	
1	E206650010A	SWING ARM (L)		
2	E206650020A	SWING ARM (R)		
3	E206650030Z	SHAFT, SWING TAPPET		
6	E206650060Z	BOLT, SWING TAPPET SHAFT		
7	E206650070Z	RING KNOCK 25X15		
8	E206650080A	PUSH ROD		
9	C266600110B	TAPPET ROLLER		
10	C266600040A	TAPPET ROLLER BUSH		
11	E206650110Z	SEAT, PUSH ROD		
12	E206650120Z	PIN, TAPPET ROLLER		
14	E206650140A	RUBBER SEAL, PUS ROD		
501	X251206006ZZ	SET SCREW (2) M6X1 . 0X6		
502	Z571501000ZZ	TAPER PLUG (5) 1/8		
504	Z411005000ZZ	SNAP RING (SHAFT) 50		

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SECTION 13	TYPE DK-20	FUEL OIL INJECTION PUMP 燃料噴射ポンプ
SHEET 140		





注) 仕様により変更する場合がありますため、刻印を御確認の上、部品要求して下さい。
 Note) Different parts are used depending on the specifications.
 Check the identification mark before ordering parts.

Mark
 NP-PFRIWV200A03N1

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FUEL OIL INJECTION PUMP			TYPE DK - 20	SECTION 13 SHEET 141
No.	Parts No.	Name Of Parts	Quantity	
	E206450050Z	F.O. PUMP - C20TG - L42		
11	E206450101Z	SHIM 0.5, F.O. PUMP		
12	E206450102Z	SHIM 0.1, F.O. PUMP		
13	E206450103Z	SHIM 1.0, F.O. PUMP		
210	E206452100Z	HOSING; PUMP		
211	E206452110Z	PLUNGER ASSY.		

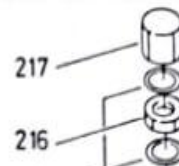
215	E206452150Z	DEFLECTOR	
216	E206452160Z	O RING	
221	E206452210Z	SPRING; D.V	
225	E206452250Z	DELIVERY VALVE	
226	E206452260Z	SPRING SEAT	
230	E206452300Z	O RING	
231	E206452310Z	BOLT	
235	E206452350Z	BACK UP RING	
236	E206452360Z	O RING	
240	E206452400Z	TAPPET	
241	E206452410Z	PIN	
245	E206452450Z	SPRING; PLUNGER	
246	E206452460Z	SPRING SEAT	
247	E206452470Z	SPRING SEAT	
250	E206452500Z	PLATE	
255	E206452550Z	CONTROL RACK	
260	E206452600Z	PLUG	
261	E206452610Z	GASKET	
265	E206452650Z	CONTROL SLEEVE	
266	E206452660Z	POINTER	
267	E206452670Z	SHIM	
268	E206452680Z	BOLT	
270	E206452700Z	SET SCREW	
271	E206452710Z	GASKET	
275	E206452750Z	SET SCREW	
280	E206452800Z	GASKET	
285	E206452850Z	O RING	

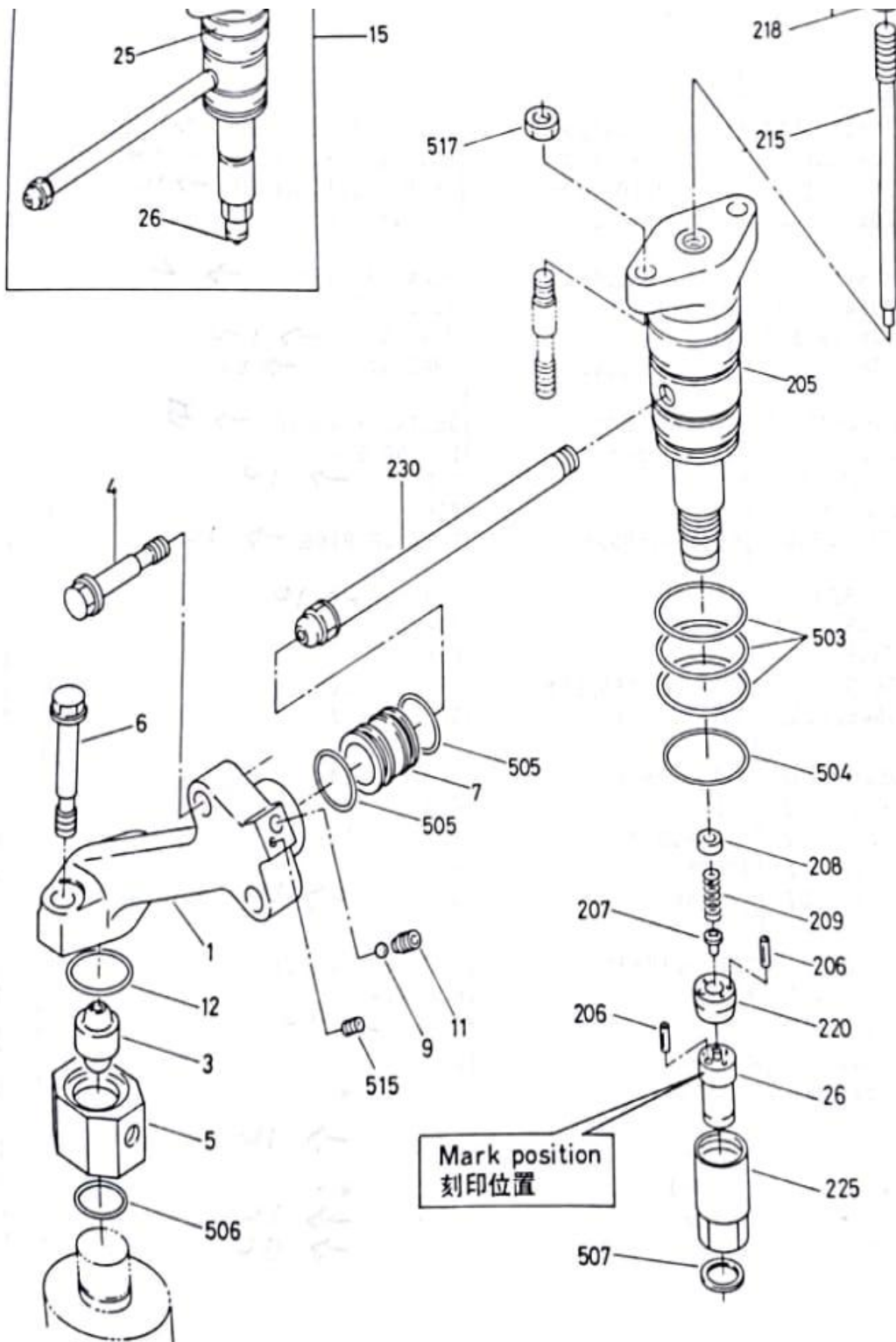
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SECTION 13	TYPE DK-20
SHEET 150	

FUEL OIL INJECTION DEVICE

燃料噴射装置





注) 仕様により変更する場合があります。刻印を御確認の上、部品要求して下さい。
 Note) Different parts are used depending on the specifications.
 Check the identification mark before ordering parts.

Mark
 NP-DLF140TE2610N6

DK-20

Z 93-11

FUEL OIL INJECTION DEVICE			TYPE DK - 20	SECTION 13 SHEET 151
No.	Parts No.	Name Of Parts	Quantity	
1	E206250010A	BLOCK, F.O. INJECTION		
3	E206250030A	JOINT, INJECTION PIPE		
4	E206250040Z	BOLT M12X1 . 75X65		
5	E206250050B	COVER, LEAK OIL		
6	E206250060Z	BOLT M12X1 . 75X85		
7	E206250070Z	CONNECTOR		
9	E266270270Z	BALL 8.0		
11	E206250110Z	PLUG		
12	E206250120Z	O RING 34X5.4		
15	E206250150Z	NOZZLE HOLDER DLF2610 ASSY		
25	E206250250Z	NOZZLE HOLDER		
26	E206250260Z	NOZZLE DLF140TE2610		
205	E206252050Z	NOZZLE HOLD BODY		
206	C266203050Z	PIN, NOZZLE DOWEL		
207	E266213040Z	PUSH ROD		
208	E206252080Z	SPRING SEAT		
209	E206252090Z	NOZZLE SPRING		
215	E206252150Z	ADJUSTING SCREW		
216	E226950310Z	NUT		
217	E206252170Z	CUP NUT		
218	E246950330Z	GASKET		
220	E206252200Z	SPACER		
225	E206252250Z	REATAINING NUT		
230	E206252300Z	INLET CONNECTOR		
503	Z560105035DZ	O RING P50		
504	Z560104835DZ	O RIGN P48		
505	Z560103235DZ	O RIGN P32		
506	Z560203031DZ	O RIGN P30		
507	Z565001920ZZ	GASKET 19		
515	X251206006ZZ	SET SCREW (2) M6X1 . 0X6		
517	X220012000ZZ	NUT M12X1.75		
		D. INJECTION BLOCK ASSY. COMPRISED OF ITEM		

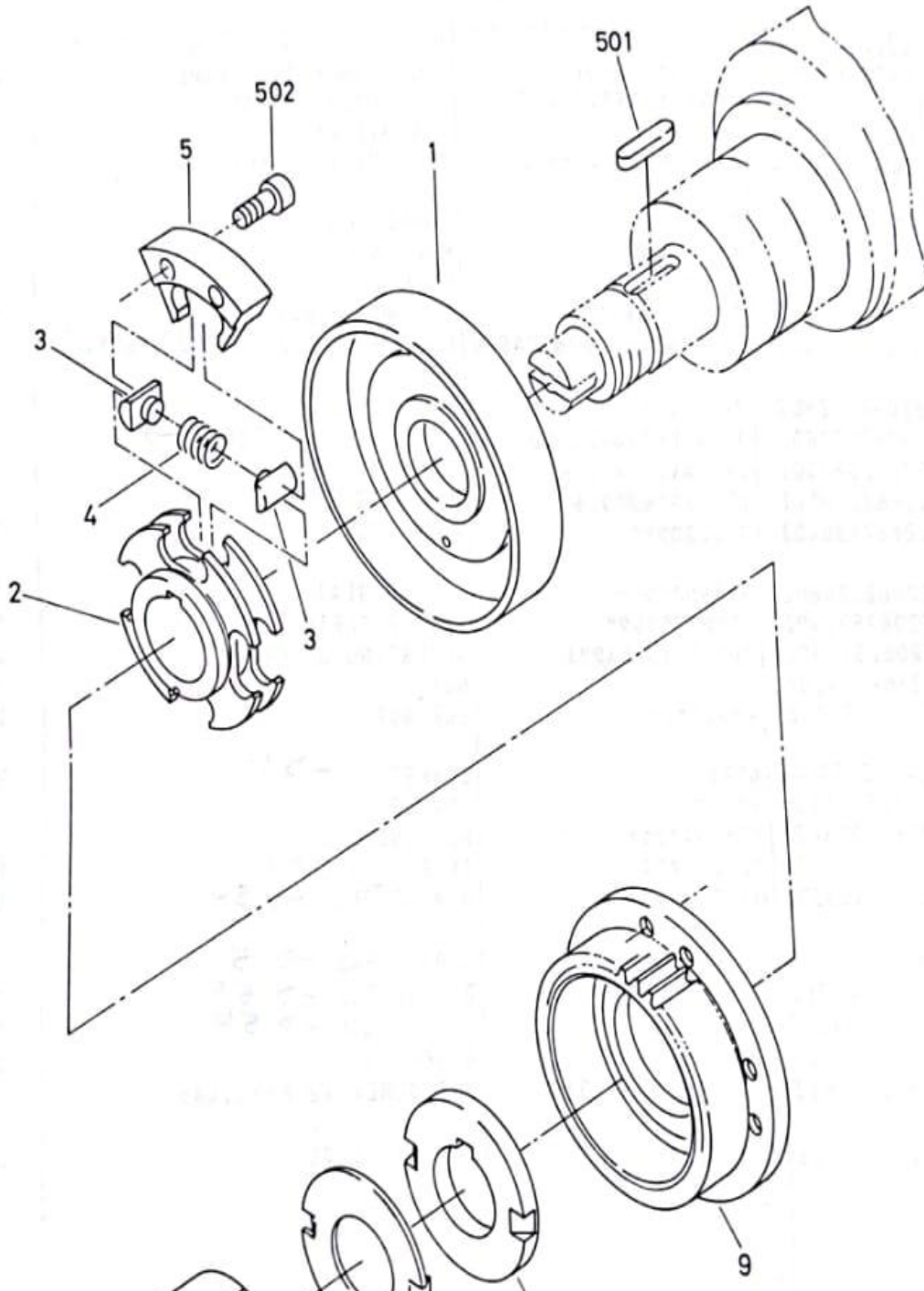
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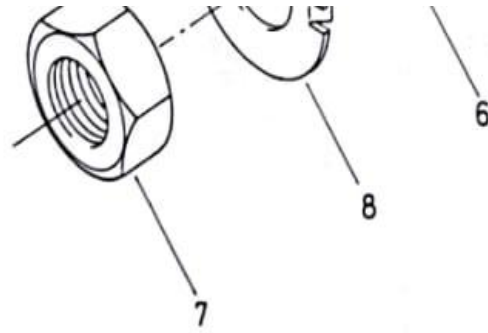
SECTION
13
SHEET
160

TYPE
DK-20

PUMP GEAR CUSHION

ポンプ駆動装置



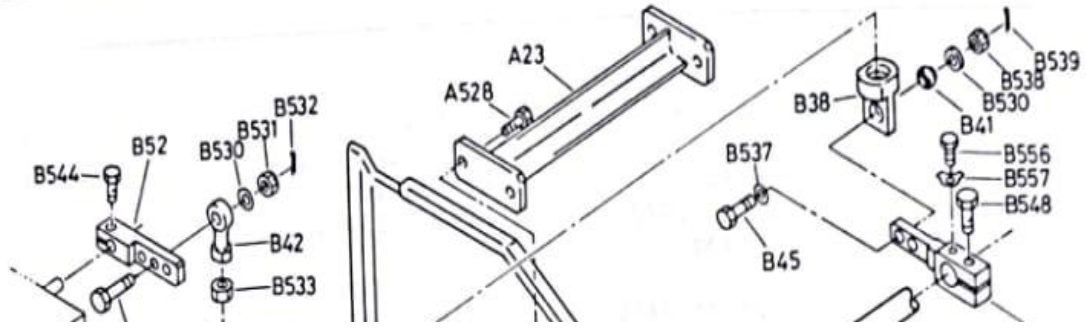


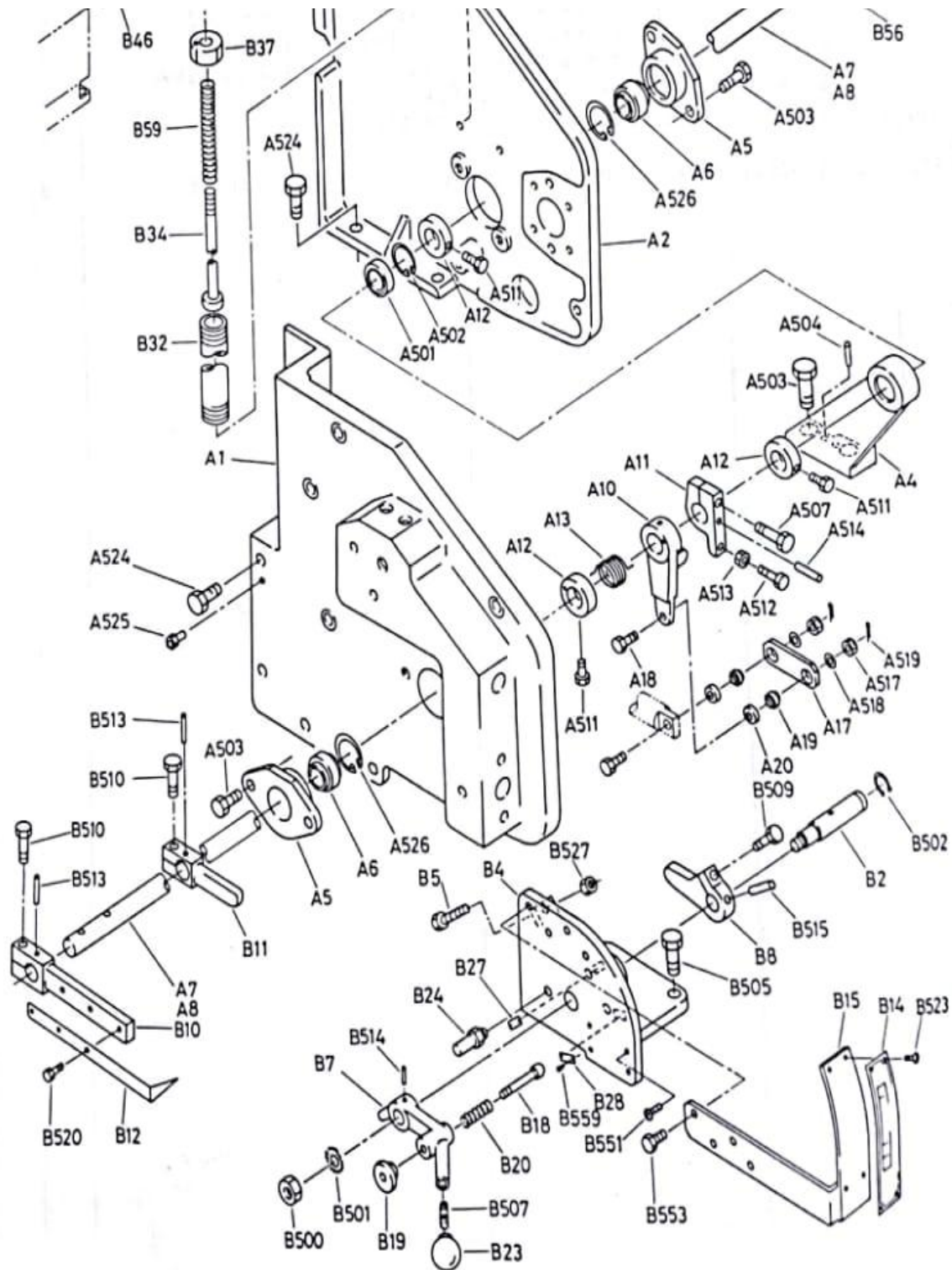
DK-20 Z 93-11

PUMP GEAR CUSHION			TYPE DK - 20	SECTION 13 SHEET 161
No.	Parts No.	Name Of Parts	Quantity	
1	E203750010Z	SIDE PLATE		
2	C263700160A	DRIVING GEAR BOSS		
3	C263700100Z	SEAT, CUSHION SPRING		
4	E263710221B	SPRING 2.3X14 . 9X25.5		
5	E203750050Z	HOLDER, CUSHION SPRING		
6	E223700120Z	RETAINER, GOVERNOR GEAR		
7	E223700100Z	NUT, DRIVING GEAR		
8	E223700150Z	SPECIAL CLAW WASHER 42X90		
9	E203750090Z	GEAR, PUMP DRIVING		
501	Z400012040ZZ	KEY 12X40		
502	Z212010025ZZ	HEX. SOCKET BOLT M10X25		

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SECTION 13 TYPE DK-20
SHEET 170 FUEL CONTROL DEVICE (UG8)
燃料制御装置 (UG8)





DK-20 | Z | 93-11

FUEL CONTROL DEVICE (UG8)			TYPE	SECTION 13
			DK - 20	SHEET 171
No.	Parts No.	Name Of Parts	Quantity	
A1	E201650010B	HEAT BOX COVER (FRONT)		

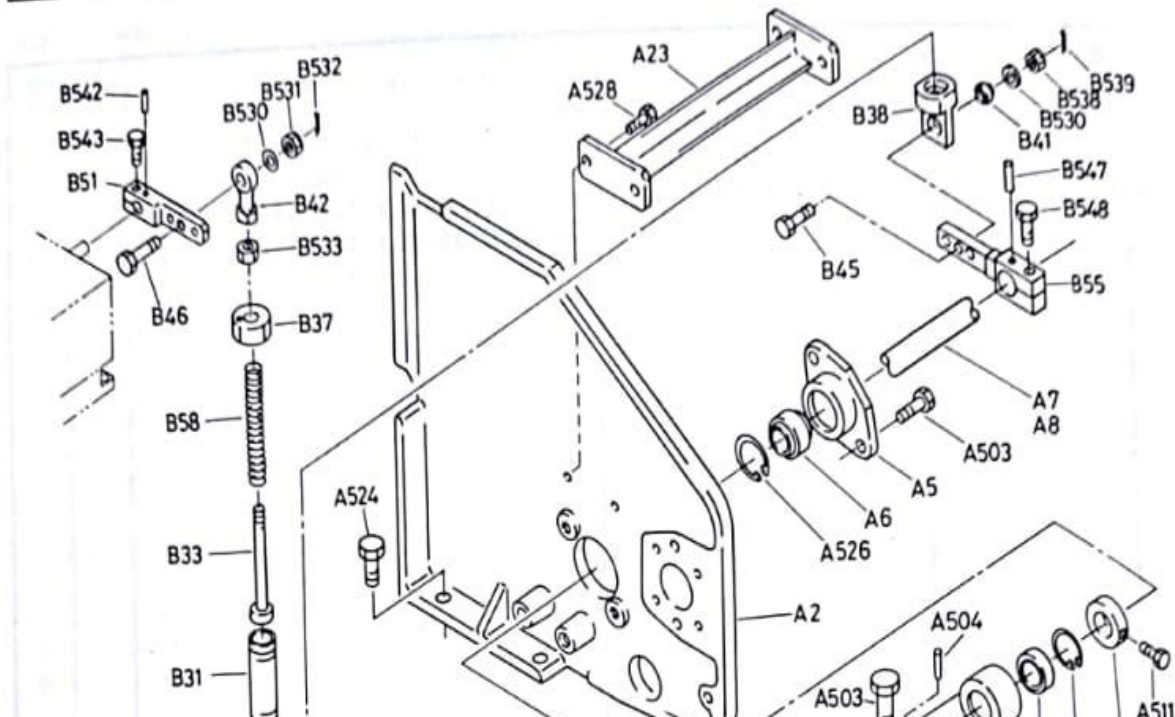
A2	E201650020B	HEAT BOX COVER (REAR)	
A4	E201650040Z	CONTROL ROAD STAND	
A5	E401600160Z	CONTROL ROAD BEARING (2)	
A6	E401600290Z	SPHERICAL PLAIN BEARING 25	
A7	E201650070A	CONTROL ROD - 6DK	
A8	E201650080Z	CONTROL ROD - 8DK	
A10	E201650100Z	RACK LEVER	
A11	E201650110Z	RACK LEVER CLUTCH	
A12	E321650160Z	HOLDER, RETURN SPRING	
A13	E201650130Z	RETURN SPLING, RACK LEVER	
A17	E201650170Z	RACK LINK	
A18	E281670180Z	RACK LINK PIN	
A19	E201650190Z	SPHERICAL PLAIN BEARING 8	
A20	E201650200Z	LINK PIN DISTANCE	
A23	E201650230Z	COVER STAY	
A501	Z458249040ZZ	BEARING RNA4904	
A502	Z412003700ZZ	SNAP RING (HOLE) 37	
A503	X200012025ZZ	BOLT M12X1 . 75X25	
A507	X200010040ZZ	BOLT M10X1 . 5X40	
A511	X25018016ZZ	HEX. SET SCREW (1)M8X16	
A512	X250108030ZZ	HEX. SET SCREW (1)M8X30	
A513	X220308000ZZ	NUT (3) M8X1.25	
A514	Z415005040ZZ	SPRING PIN 5X40	
A517	X225108000ZZ	CASTLE NUT (1) M8X1.25	
A518	Z300008000ZZ	FLAT WASHER 8	
A519	Z320002030ZZ	SPLIT PIN 2X30	
A524	X200012028ZZ	BOLT M12X1 . 75X28	
A525	X341006025ZZ	KNOCK BOLT ASSY. 6X25	
A526	Z412004200ZZ	SNAP RING (HOLE) 42	
A528	X200010018ZZ	BOLT M10X1 . 5X18	
B2	E204650020A	SHAFT, STOP LEVER	
B4	E204650040A	HOLDER, STOP LEVER SHAFT	
B5	C272000040A	BOLT, RACK STOPPER	
B7	E204650070A	CONTROL LEVER	
B8	E204650080Z	STOP LEVER	

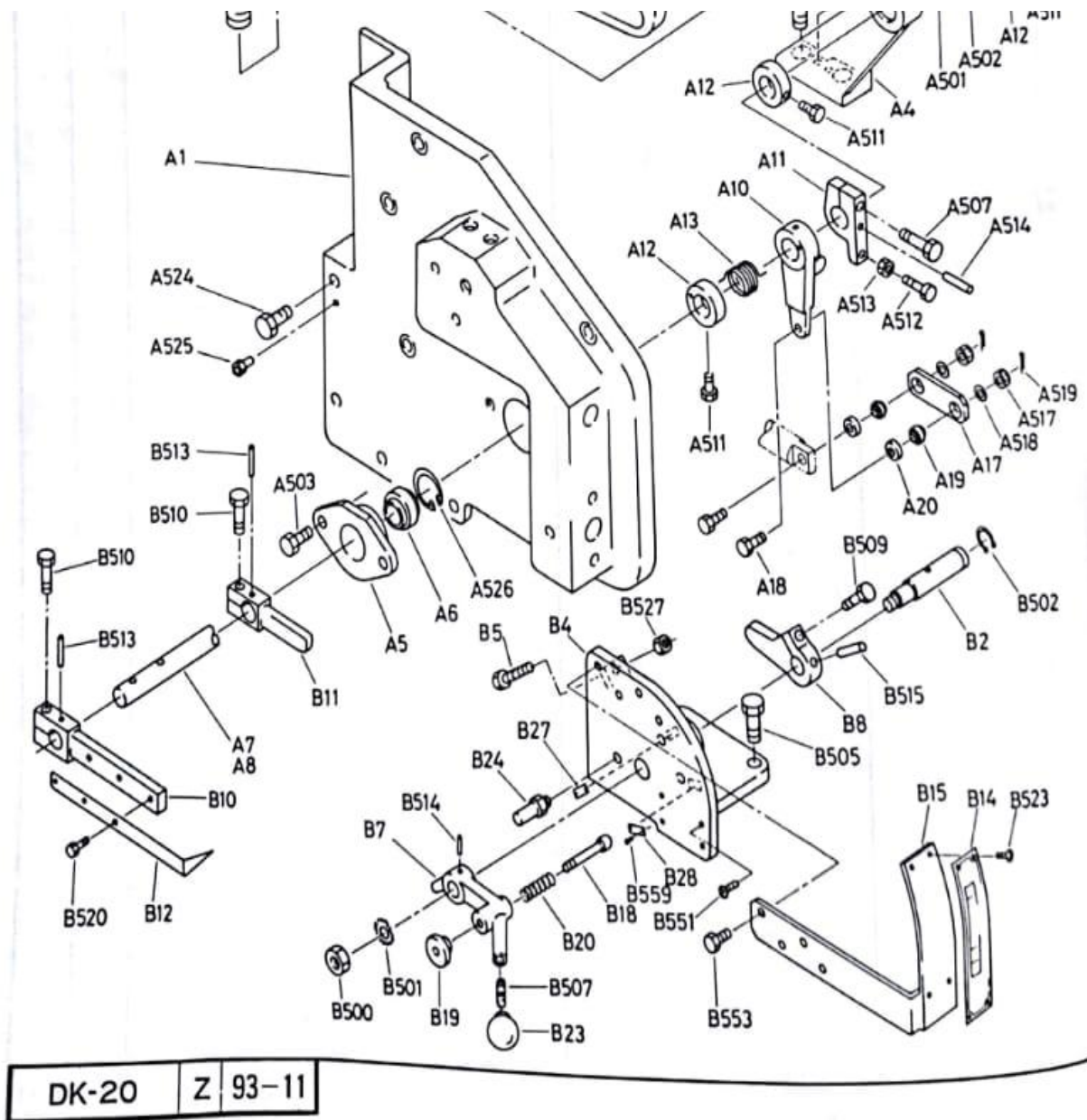
B10	E204650100Z	LOAD POINT LEVER	
B11	E204650110Z	CONTROL LOD LEVER	
B12	E204650120A	LOAD PONTER	
B14	E204650140A	LOAD SCALE PLATE	
B15	E204650150Z	BRACKET, LOAD SCALE PLATE	
FUEL CONTROL DEVICE (UG8)			TYPE DK - 20
			SECTION 13 SHEET 172
No.	Parts No.	Name Of Parts	Quantity
B18	C001340050Z	STOPPER	
B19	C001340070Z	KNOB	
B20	E228400231Z	SPRING	
B23	P164600310A	HANDLE GRIP	
B24	E228400320Z	HANDLE STOPPER	
B27	A506470331Z	NAME PLATE (1), GOVERNOR LEVER	
B28	A506470333Z	NAME PLATE (3), GOVERNOR LEVER	
B32	E204650320Z	CONNECTION ROD (UG8)	
B34	E204650340Z	SHAFT, CONNECTION ROD (UG8)	
B37	E204650370Z	NUT PF3/4	
B38	E204650380Z	NUT, CONNECTION ROD OF3/4	
B41	E204650410Z	SPHERICAL PLAIN BEARING 10	
B42	E204650420Z	ROD END 10	
B45	E204650450A	LINK PIN10X18	
B46	E204650460A	LINK PIN10X23	
B52	E204650520Z	GOVERNOR LEVER - UG8	
B56	E284600190B	CONTROL ROD LEVER	
B59	E204650590Z	SPRING 2.9X17X165	
B500	X220014000ZZ	NUT M14X2.0	
B501	Z315014000ZZ	TOOTHED LOCK WASHER M14	
B502	Z411002000ZZ	SNAP RING (SHAFT) 20	
B505	X200012030ZZ	BOLT M12X1 . 75X30	
B507	X210008031ZZ	STUD M8X . 25X31	
B509	X200010030ZZ	BOLT M10X1 . 5X30	
B510	X200010035ZZ	BOLT M10X1 . 5X35	
B513	Z415005040ZZ	SPRING PIN 5X40	
B514	Z415004028ZZ	SPRING PIN 4X28	
B515	Z415004036ZZ	SPRING PIN 4X36	
B520	X200006010ZZ	BOLT M6X1 . 0X10	
B523	X245204006ZZ	PAN MACHINE SCREW M4X0. 7X6	

B527	X220308000ZZ	NUT (3) M8X1.25	
B530	Z300010000ZZ	FLAT WASHER 10	
B531	X225110000ZZ	CASTLE NUT (1) M10X1.5	
B532	Z320002030ZZ	SPLIT PIN 2X30	
B533	X220310000ZZ	NUT (3) M10X1.5	
B537	Z300010000ZZ	FLAT WASHER 10	
B538	X225110000ZZ	CASTLE NUT (1) M10X1.5	
B539	Z320002030ZZ	SPLIT PIN 2X30	
B544	X200010020ZZ	-	
B548	X200010032ZZ	BOLT M10X1 . 5X32	
FUEL CONTROL DEVICE (UG8)			TYPE
			DK - 20
			SECTION 13
			SHEET 173
No.	Parts No.	Name Of Parts	Quantity
B551	X245204035ZZ	PAN MACHINE SCREW M4X0. 7X35	
B553	X200108014ZZ	BOLT (1) M8x1 . 25X14	
B556	X250106010ZZ	HEX. SET SCREW (1) M6X10	
B557	Z321820600ZZ	TONGUED WASHER (2) 6	

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SECTION 13	TYPE	FUEL CONTROL DEVICE (RHD6)
SHEET 175	DK-20	燃料制御装置 (RHD6)





FUEL CONTROL DEVICE (RHD6)			TYPE DK - 20	SECTION 13 SHEET 176
No.	Parts No.	Name Of Parts	Quantity	
A1	E201650010B	HEATBOX COVER (FRONT)		
A2	E201650020B	HEATBOX COVER (REAR)		
A4	E201650040Z	CONTROL ROD STAND		
A5	E401600160Z	CONTROL ROD BEARING (2)		
A6	E401600290Z	SPHERICAL PLAIN BEARING 25		
A7	E201650070A	CONTROL ROD - 6DK		
A8	E201650080Z	CONTROL ROD - 8DK		
A10	E201650100Z	RACK LEVER		
A11	E201650110Z	RACK LEVER CLUTCH		

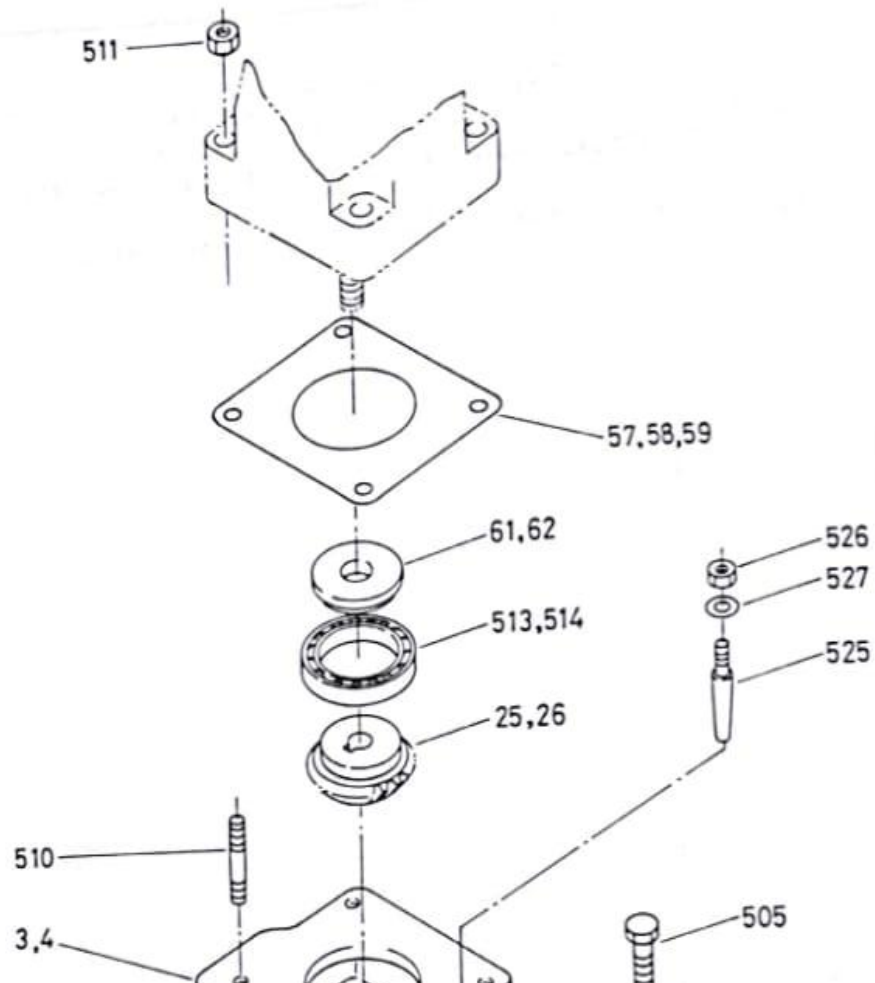
A12	E321650160Z	HOLDER, RETURN SPRING	
A13	E201650130Z	RETURN SPLING, RACK LEVER	
A17	E201650170Z	RACK LINK	
A18	E281670180Z	RACK LINK PIN	
A19	E201650190Z	SPHERICAL PLAIN BEARING 8	
A20	E201650200Z	LINK PIN DISTANCE	
A23	E201650230Z	COVER STAY	
A501	Z458249040ZZ	BEARING RNA4904	
A502	Z412003700ZZ	SNAP RING (HOLE) 37	
A503	X200012025ZZ	BOLT M12X1 . 75X25	
A507	X200010040ZZ	BOLT M10X1 . 5X40	
A511	X250108016ZZ	HEX. SET SCREW (1) M8X16	
A512	X250108030ZZ	HEX. SET SCREW (1) M8X30	
A513	X220308000ZZ	NUT (3) M8X1.25	
A514	Z415005040ZZ	SPRING PIN 5X40	
A517	X225108000ZZ	CASTLE NUT (1) M8X1.25	
A518	Z300008000ZZ	FLAT WASHER 8	
A519	Z320002030ZZ	SPLIT PIN 2X30	
A524	X200012028ZZ	BOLT M12X1 . 75X28	
A525	X341006025ZZ	KNOCK BOLT ASSY. 6X25	
A526	Z412004200ZZ	SNAP RING (HOLE) 42	
A528	X200010018ZZ	BOLT M10X1 . 5X18	
B2	E204650020A	SHAFT, STOP LEVER	
B4	E204650040A	HOLDER STOP LEVER SHAFT	
B5	C272000040A	BOLT, RACK STOPPER	
B7	E204650070A	CONTROL LEVER	
B8	E204650080Z	STOP LEVER	
B10	E204650100Z	LOAD POINT LEVER	
B11	E204650110Z	CONTROL LOD LEVER	
B12	E204650120A	LOAD POINTER	
B14	E204650140A	LOAD SCLAE PLATE	
B15	E204650150Z	BRACKET, LOAD SCALE PLATE	
FUEL CONTROL DEVICE (RHD6)			TYPE
			DK - 20
			SECTION 13
			SHEET 177
No.	Parts No.	Name Of Parts	Quantity
B18	C001340050Z	STOPPER	

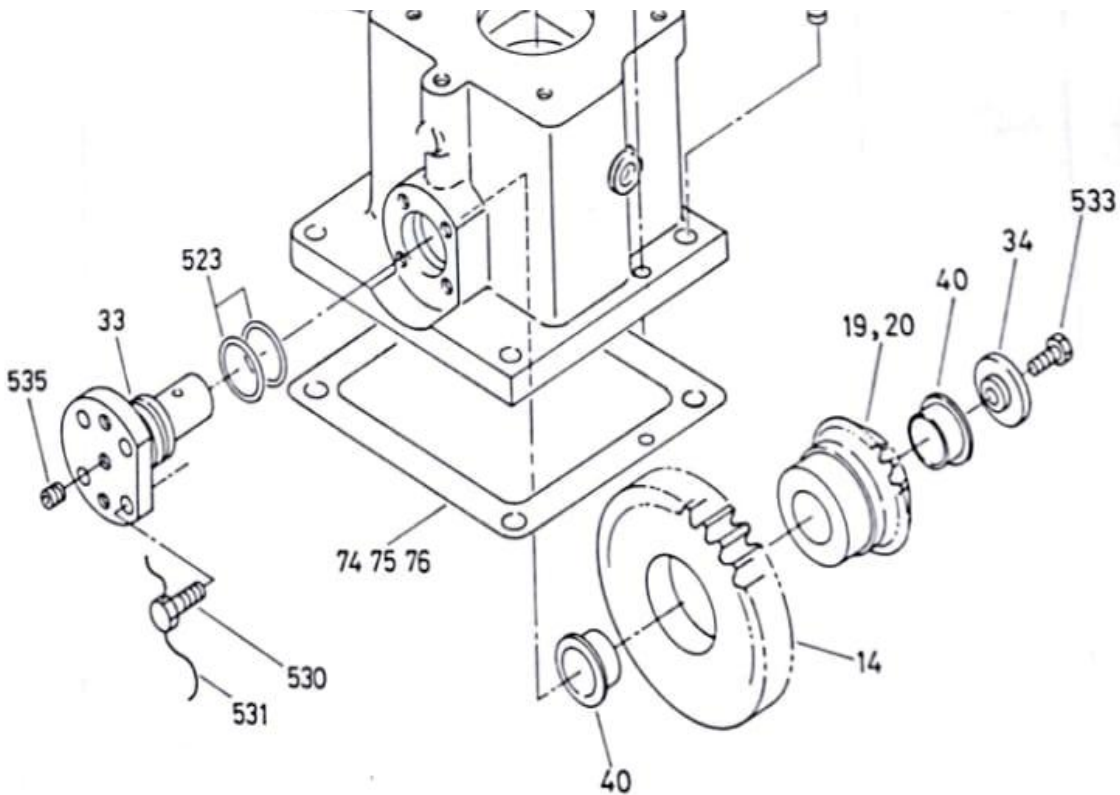
B19	C001340070Z	KNOB	
B20	E228400231Z	SPRING	
B23	P164600310A	HANDLE GRIP	
B24	E228400320Z	HANDLE STOPPER	
B27	A506470331Z	NAME PLATE (1), GOVERNOR LEVER	
B28	A506470333Z	NAME PLATE (3), GOVERNOR LEVER	
B31	E204650310Z	CONNECTION ROD (RHD)	
B33	E204650330Z	SHAFT, CONNECTION ROD (RHD)	
B37	E204650970Z	NUT PF3/4	
B38	E204650380Z	NUT, CONNECTION ROD PF3/4	
B41	E204650410Z	SPHERICAL PLAIN BEARING 10	
B42	E204650420Z	ROD END 10	
B45	E204650450A	LINK PIN 10X18	
B46	E204650460A	LINK PIN 10X23	
B48	E204650480Z	FLAT WASHER 8X22	
B51	E204650510Z	GOVERNOR LEVER - RHD	
B55	E204650550A	CONTROL ROD LEVER - RHD	
B58	E204650580Z	SPRING 2.3X18X1X127	
B500	X220014000ZZ	NUT M14X2.0	
B501	Z315014000ZZ	TOOTHED LOCK WASHER M14	
B502	Z411002000ZZ	SNAP RING (SHAFT) 20	
B505	X200012030ZZ	BOLT M12X1 . 75X30	
B507	X200010030ZZ	STUD M8X1 . 25X31	
B509	X200010030ZZ	BOLT M10X1 . 5X30	
B510	X200010035ZZ	BOLT M10X1 . 5X35	
B513	Z415005040ZZ	SPRING PIN 5X40	
B514	Z415004028ZZ	SPRING PIN 4X28	
B515	Z415004036ZZ	SPRING PIN 4X36	
B520	X200006010ZZ	BOLT M6X1 . 0X10	
B523	X245204006ZZ	(+)PAN MACHINE SCREW M4X0 . 7X6	
B527	X220308000ZZ	NUT (3) M8X10X1.5	
B530	Z300010000ZZ	FLAT WASHER 10	
B531	X225110000ZZ	CASTLE NUT (1) M10X1.5	
B532	Z320002030ZZ	SPLIT PIN 2X30	
B533	X220310000ZZ	NUT (3) M10X1.5	
B538	X225110000ZZ	CASTLE NUT (1) M10X1.5	

B539	Z320002030ZZ	SPLIT PIN 2X30	
B542	Z330003020ZZ	TAPER PIN 3X20	
B543	X200008020ZZ	BOLT M8X1 . 25X20	
FUEL CONTROL DEVICE (RHD6)			TYPE DK - 20
			SECTION 13 SHEET 178
No.	Parts No.	Name Of Parts	Quantity
B547	Z330005040ZZ	TAPER PIN 5X40	
B548	X200010032ZZ	BOLT M10X1 . 5X32	
B551	X245204035ZZ	(+)PAN MACHINE SCREW M4X0 . 7X35	
B553	X200108014ZZ	BOLT (1) M8X1 . 25X14	

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SECTION 13 TYPE GOVERNOR FITTING (UG8)
SHEET 180 DK-20 ガバナ取付 (UG8)





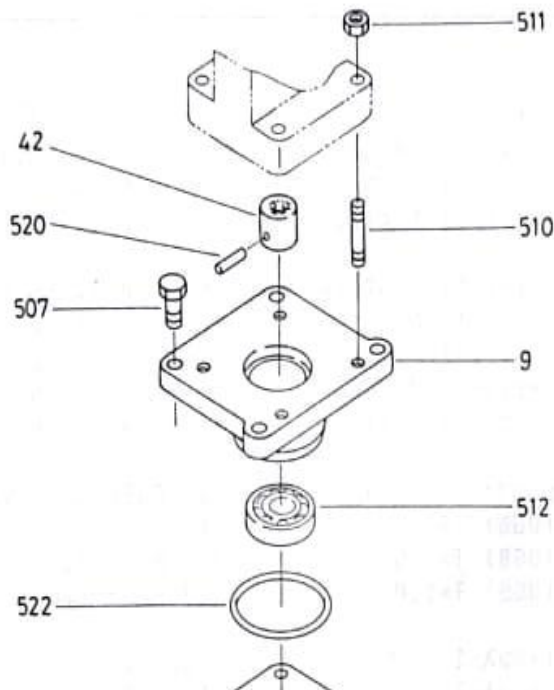
DK-20	Z	93-11
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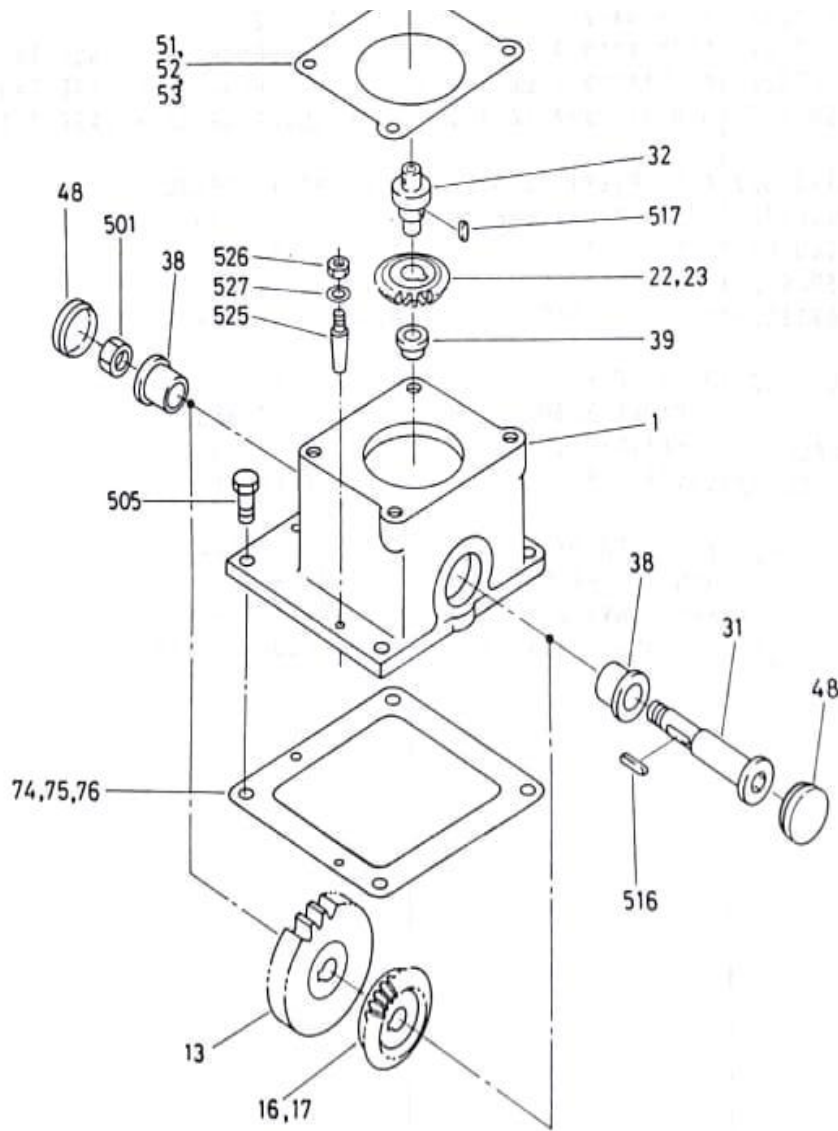
GOVERNOR FITTING (UG8)			TYPE	SECTION 13
			DK - 20	SHEET 181
No.	Parts No.	Name Of Parts	Quantity	
3	E204550021Z	GOVERNOR GEAR CASE - 1 (UG8)		
4	E204550022Z	GOVERNOR GEAR CASE - 2 (UG8)		
14	E204550140Z	GOVERNOR DRIVING GEAR - GU9 (Z29)		
19	E204550190Z	GOVERNOR DRIVING GEAR - 4 (Z27)		
20	E204550200Z	GOVERNOR DRIVING GEAR - 5 (Z24)		
25	E204550250Z	GOVERNOR GEAR (Z20)		
26	E204550260Z	GOVERNOR GEAR (Z24)		
33	E204550330Z	GOVERNOR DRIVING SHAFT (UG8)		
34	E204550340Z	RATAINER, GOV. DRIVING SHAFT		
40	E204550400Z	FLANGE BUSH LFF - 3020		
57	E204550561Z	SHIM (UG8) T = 0.2		
58	E504550562Z	SHIM (UG8) T = 0.5		
59	E504550563Z	SHIM (UG8) T = 1.0		
61	E204550610Z	DISTANCE - 1		
62	E204550620Z	DISTANCE - 2		

74	E204550731Z	SHIM, GOVERNOR GEAR CASE T = 0.1	
75	E204550732Z	SHIM, GOVERNOR GEAR CASE T = 0.5	
76	E204550733Z	SHIM, GOVERNOR GEAR CASE T = 1.0	
505	X200012030ZZ	BOLT M12X1 . 75X30	
510	X210010063ZZ	STUD M10X1 . 5X63	
511	X220010000ZZ	NUT M10X1.5	
513	Z451169090ZZ	BEARING (1) 6909	
514	Z451169110ZZ	BEARING (1) 6911	
523	Z560103635ZZ	O RING P36	
525	X340008030ZZ	KNOCK BOLT 8X30	
526	X220306000ZZ	NUT (3) M6X1.0	
527	Z300006000ZZ	FLAT WASHER 6	
530	X20010025ZZ	BOLT (1) M10X1 . 5X25	
531	Z321016100ZZ	WIRE 1.6X1000	
533	X200008016ZZ	BOLT M8X1 . 25X16	
535	Z571501000ZZ	TAPER PLUG (5)1/8	

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SECTION 13	TYPE DK-20	GOVERNOR FITTING (RHD6) ガバナ取付 (RHD6)
SHEET 185		





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GOVERNOR FITTING (RHD6)			TYPE DK - 20	SECTION 13 SHEET 186
No.	Parts No.	Name Of Parts	Quantity	
1	E204550010B	GOVERNOR GEAR CASE (RHD)		
9	E204550090A	MOUNT, GOVERNOR (RHD)		
13	E204550130Z	GOVERNOR DRIVING GEAR -1 (Z21)		
16	E204550160Z	GOVERNOR DRIVING GEAR -1 (Z29)		
17	E204550170Z	GOVERNOR DRIVING GEAR -2 (Z29)		
22	E204550220Z	GOVERNOR GEAR (Z21)		
23	E204550230Z	GOVERNOR GEAR (Z25)		
31	E204550310Z	GOVERNOR DRIVING SHAFT - 1(RHD)		
32	E204550320Z	GOVERNOR DRIVING SHAFT - 2(RHD)		

38	E204550380Z	FLANGE BUSH 30F - 2230	
39	E204550390Z	FLANGE BUSH 30F - 1415	
42	E268400230B	COUPLING, DRIVING SHAFT	
48	E204550480Z	CAP (RCA)	
51	E204550501A	SHIM (RHD) T = 0.2	
52	E204550502A	SHIM (RHD) T = 0.5	
53	E204550503A	SHIM (RHD) T = 1.0	
74	E204550731Z	SHIM, GOVERNOR GEAR CASE T = 0.1	
75	E204550732Z	SHIM, GOVERNOR GEAR CASE T = 0.5	
76	E204550733Z	SHIM, GOVERNOR GEAR CASE T = 1.0	
501	X227016000ZZ	U - NUT M16X2.0	
505	X200012030ZZ	BOLT M12X1 .75X30	
507	X200012030ZZ	BOLT M12X1 .75X30	
510	X210010063ZZ	STUD M10X1 . 5X63	
511	X220010000ZZ	NUT M10X1.5	
512	Z451160070ZZ	BEARING (1) 6007	
516	Z400005028ZZ	KEY 5X28	
517	Z400005010ZZ	KEY 5X10	
520	Z330005032ZZ	TAPER PIN 5X32	
522	Z560209031ZZ	O RING G90	
525	X340008030ZZ	KNOCK BOLT 8X30	
526	X220306000ZZ	NUT (3) M6X1.0	
527	Z300006000ZZ	FLAT WASHER 6	

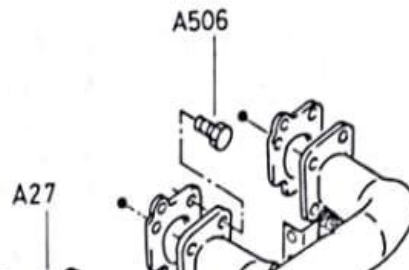
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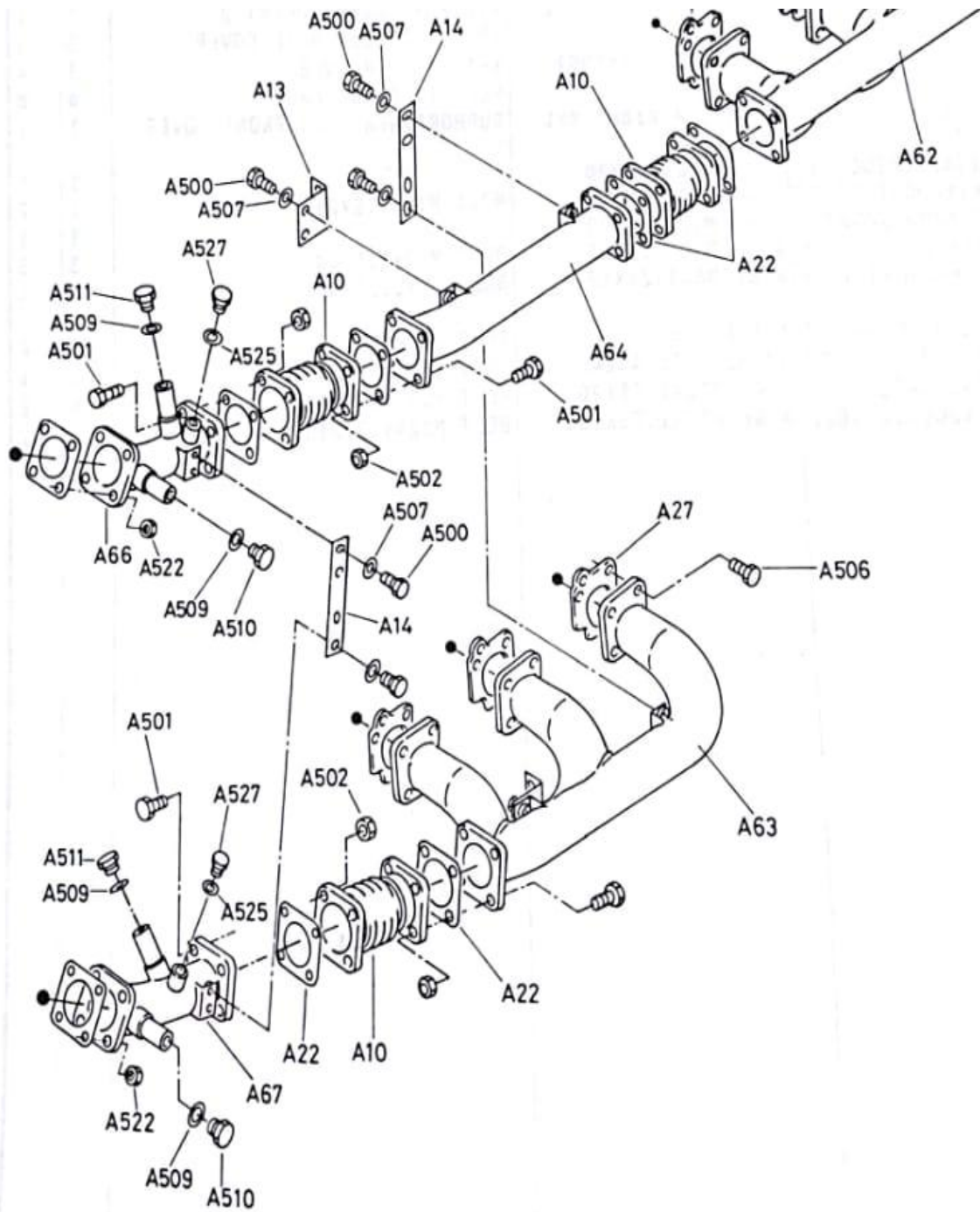
SECTION
13
SHEET
200

TYPE
DK-20

EXHAUST PIPE (REAR TURBOCHARGER)-6DK

排氣管(後端過給)-6DK



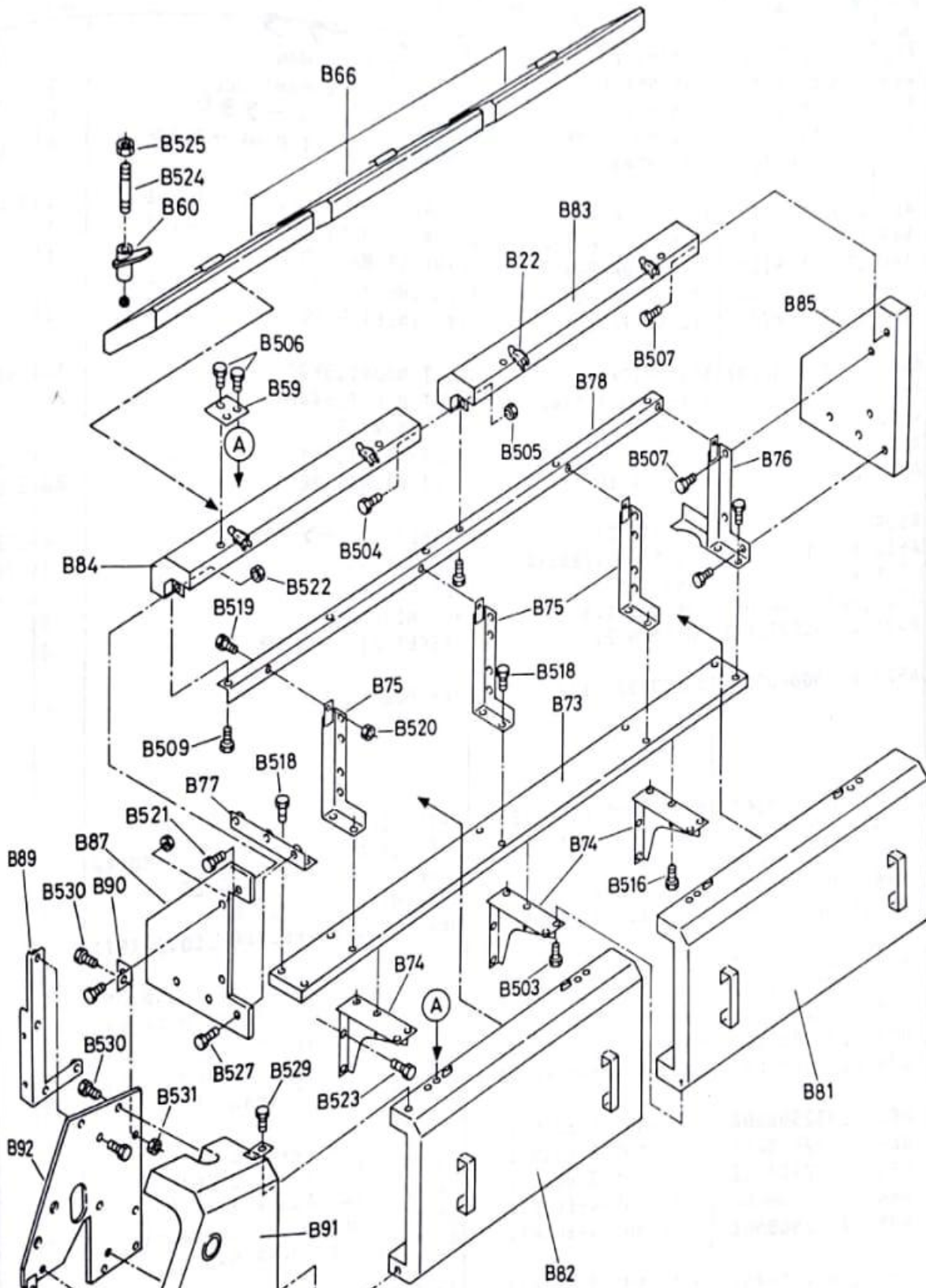


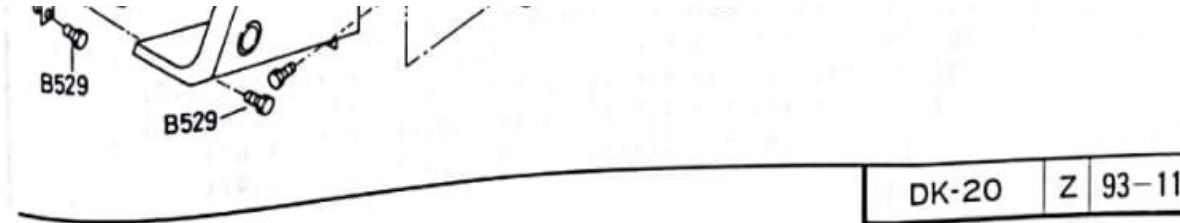
DK-20	Z	93-11
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EXHAUST PIPE COVER
(REAR TURBOCHARGER)-6DK
排気管カバー

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TYPE	SECTION
	13



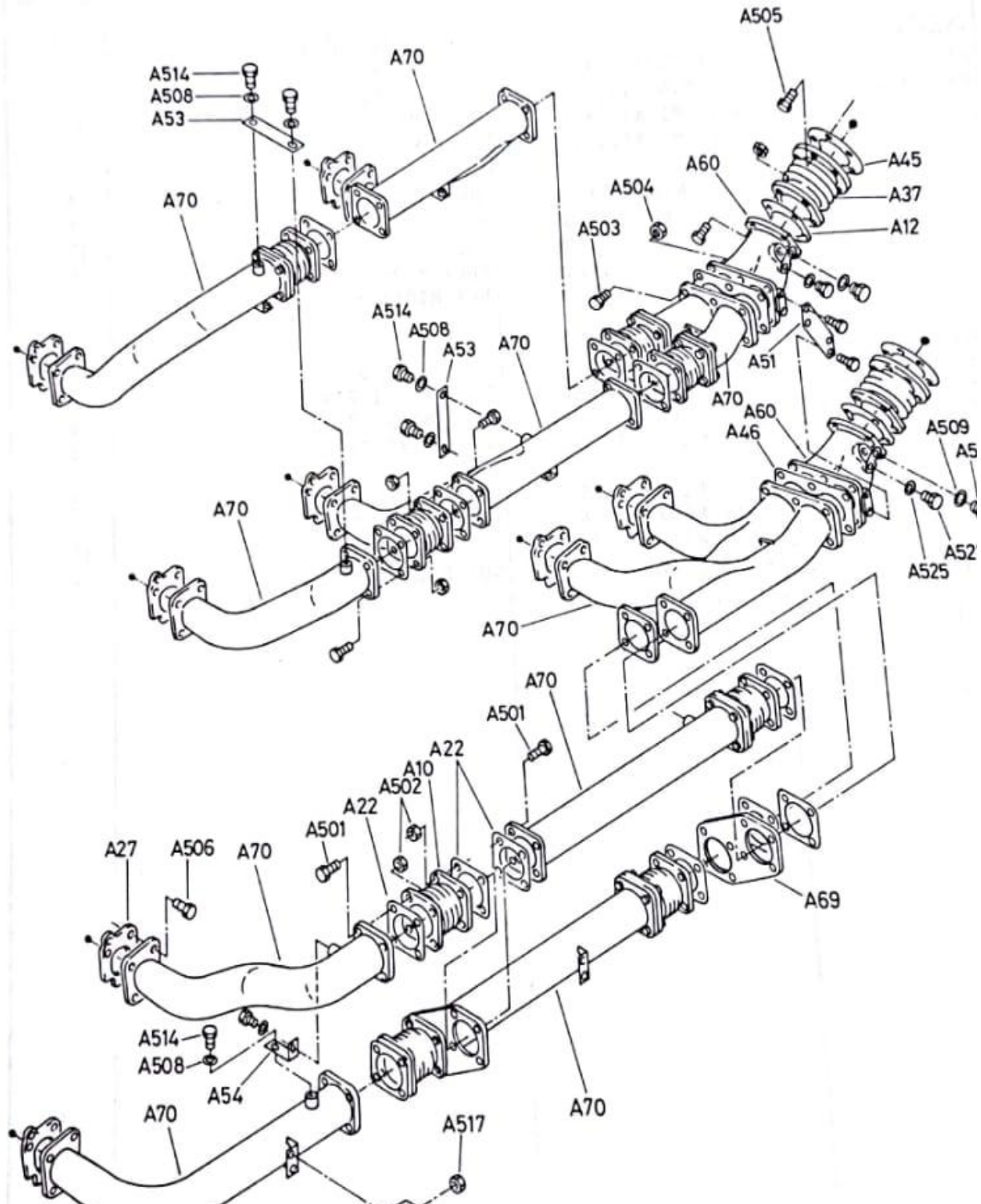


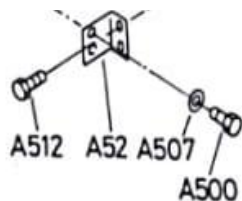
EXHAUST PIPE & EXHAUST PIPE COVER (REAR TURBOCHARGER) - 6DK			TYPE DK - 20	SECTION 13 SHEET 202
No.	Parts No.	Name Of Parts	Quantity	
A10	E202100100Z	BELLOWS		
A13	E202150130Z	SUPPORT - 1, EX. MANIFOLD		
A14	E202150140Z	SUPPORT - 12, EX. MANIFOLD		
A22	E182110220Z	GASKET, BELLOWS		
A27	E202150270Z	GASKET, EXHAUST PIPE		
A62	E202150611Z	EXHAUST MANIFOLD 6DK - R - 1 - 1		
A63	E202150612Z	EXHAUST MANIFOLD 6DK - R - 1 - 2		
A64	E202150613Z	EXHAUST MANIFOLD 6DK - R - 1 - 3		
A66	E202150660Z	T / C INLET PIPE - 1 (VTR161) - RT		
A67	E202150670Z	T / C INLET PIPE - 2 (VTR161) - RT		
A500	X200010020DZ	BOLT M10X1 . 5X20		
A501	X200010040DZ	BOLT M10X1 . 5X40		
A502	X220010000DZ	NUT M10X1.5		
A506	X200012035DZ	BOLT M12X1 . 75X35		
A507	Z300010000ZZ	FLAT WASHER 10		
A509	Z565002700ZZ	GASKET 27		
A510	X555104060JZ	JOINT SEAT (1) //2X3/4		
A511	X570006000DZ	HEX. PLUG 3/4		
A522	X220010000DZ	NUT M10X1.5		
A525	Z565002100ZZ	GASKET 21		
A527	X570004000DZ	HEX. PLUG 1/2		
B22	E202250220Z	CATCH CLIP C1007 - 2		
B59	E202250590Z	BRACKET 10 - 8D, EX. MANIFOLD. COVER (RT)		
B60	E202250600Z	CLAMP, EX. MANIFOLD COVER		
B66	E202250660Z	EX. MANIFOLD COVER - 6		
B73	E202250730Z	BRACKET 1 - 6D, EX. MANIFOLD. COVER (RT)		
B74	E202250740Z	BRACKET 2 - 6D, EX. MANIFOLD. COVER (RT)		

B75	E202250750Z	BRACKET 3 - 6D, EX. MANIFOLD. COVER (RT)	
B76	E202250660Z	BRACKET 4 - 6D, EX. MANIFOLD. COVER (RT)	
B77	E202250770Z	BRACKET 5 - 6D, EX. MANIFOLD. COVER (RT)	
B78	E202250780Z	BRACKET 6 - 6D, EX. MANIFOLD. COVER (RT)	
B81	E202250810Z	EX. MANIFOLD COVER - 1 -6D (RT)	
B82	E202250820Z	EX. MANIFOLD COVER - 2 -6D (RT)	
B83	E202250830Z	EX. MANIFOLD COVER - 3 -6D (RT)	
B84	E202250840Z	EX. MANIFOLD COVER - 4 -6D (RT)	
B85	E202250850Z	EX. MANIFOLD COVER - 5 -6D (RT)	
B87	E202250870Z	EX. MANIFOLD COVER - 7 -6D (RT)	
B89	E202250890Z	COVER BRACKET - 1, T/C INLET (RT)	
B90	E202250900Z	COVER BRACKET - 2, T/C INLET (RT)	
B91	E202250910Z	T/C INLETPPIPE COVER - 1 (RT)	
B92	E202250920Z	T/C INLETPPIPE COVER - 2 (RT)	
EXHAUST PIPE & EXHAUST PIPE COVER (REAR TURBOCHARGER) - 6DK			SECTION 13
			SHEET 203
			TYPE DK - 20
No.	Parts No.	Name Of Parts	Quantity
B503	X200010014ZZ	BOLT M10X1 . 5X14	
B504	X200010014ZZ	BOLT M10X1 . 5X14	
B505	X220010000ZZ	NUT M10X1.5	
B506	X200010014ZZ	BOLT M10X1 . 5X14	
B507	X200010014ZZ	BOLT M10X1 . 5X14	
B509	X200010014ZZ	BOLT M10X1 . 5X14	
B516	X200010018ZZ	BOLT M10X1 . 5X18	
B518	X200010018ZZ	BOLT M10X1 . 5X18	
B519	X200010018ZZ	BOLT M10X1 . 5X18	
B520	X220010000ZZ	NUT M10X1.5	
B521	X200010020ZZ	-	
B522	X220010000ZZ	NUT M10X1.5	
B523	X200012032ZZ	BOLT M12X1 . 75X32	
B524	X210012088ZZ	STUD M12X1 . 75X88	
B525	X220012000ZZ	NUT M12X1.75	
B527	X200010025ZZ	BOLT M10X1 . 5X25	
B529	X200010014ZZ	BOLT M10X1 . 5X14	
B530	X200010020ZZ	-	
B531	X220010000ZZ	NUT M10X1.5	

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SECTION 13	TYPE DK-20	EXHAUST PIPE (FRONT TURBOCHARGER)-8DK 排 氣 管 (前 端 過 給) - 8DK
SHEET 205		





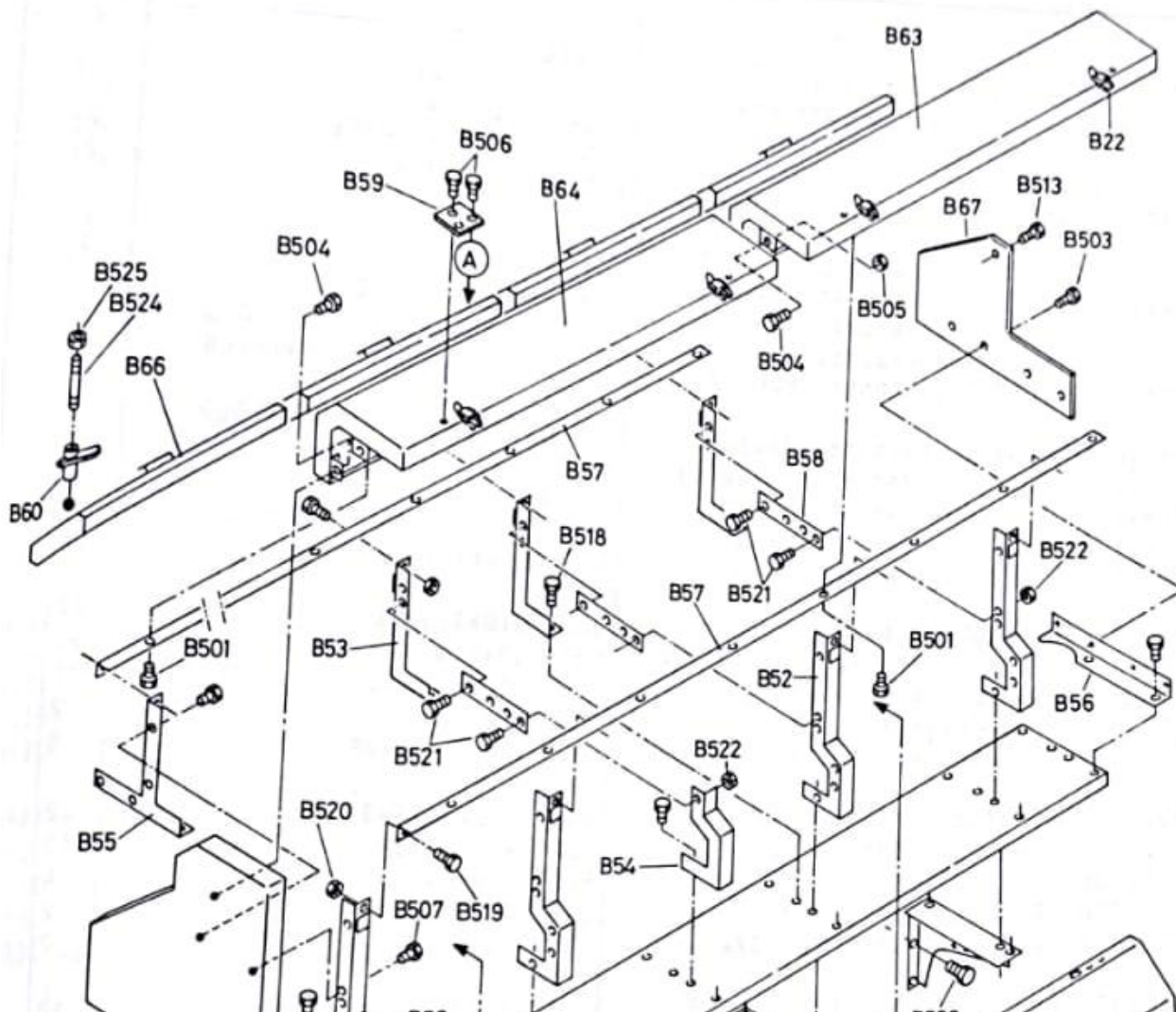
DK-20 | Z | 93-11

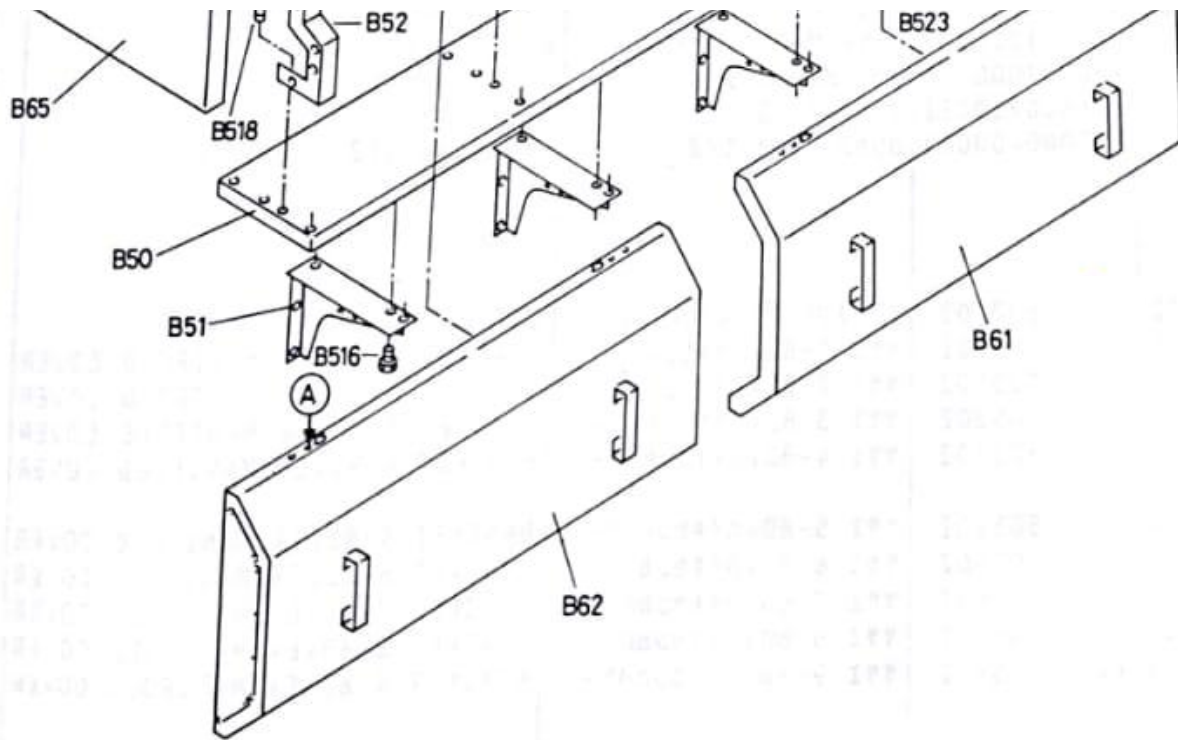
EXHAUST PIPE COVER
(FRONT TURBOCHARGER)-8DK
排気管カバー(前端過給)-8DK

DAIHATSU

TYPE
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SECTION
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SHEET
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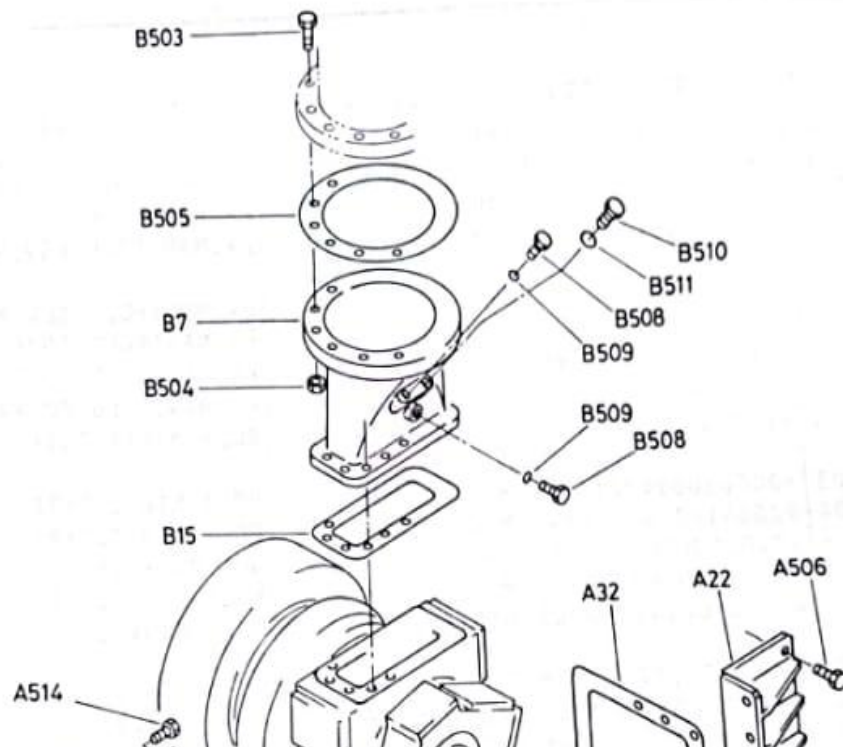
EXHAUST PIPE COVER (REAR TURBOCHARGER) - 8DK			TYPE DK - 20	SECTION 13 SHEET 207
No.	Parts No.	Name Of Parts	Quantity	
A10	E202100100Z	BELLOWS		
A12	E242150120Z	GASKET, BELLOWS		
A22	E182110220Z	GASKET, BELLOWS		
A27	E202150270Z	GASKET, EXHAUST PIPE		
A37	E202150370Z	BELLOWS, 90AX132		
A45	E202150450Z	GASKET 112X178		
A46	E202150460Z	GASKET , EX. NOZZLE		
A51	E202150510Z	SUPPORT, EX. NOZZLE		
A52	E202150520Z	SUPPORT (8DK) - 1, EX. MANIFOLD		
A53	E202150530Z	SUPPORT (8DK) - 2, EX. MANIFOLD		
A54	E202150540Z	SUPPORT (8DK) - 3, EX. MANIFOLD		
A60	E202150600Z	EX. NOZZLE (VTR201)		
A69	E202150690Z	DISTANCE, EX. MANIFOLD		
A70	E202150700Z	EXHAUST MAIFOLD - 8DK - F - 1		
A500	X200010020DZ	BOLT M10X1 . 5X20		
A501	X200010040DZ	BOLT M10X1 . 5X40		

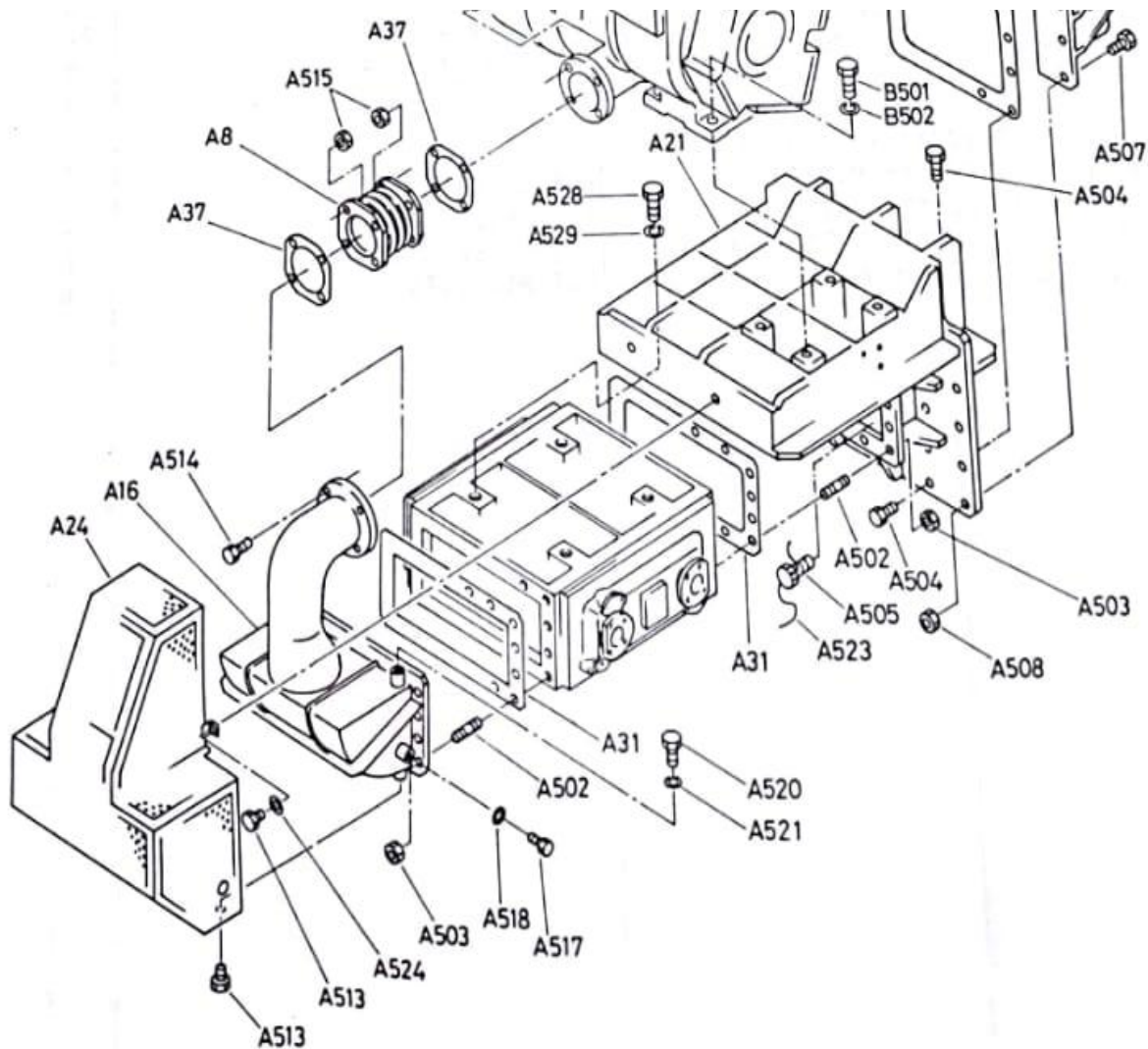
A502	X220010000DZ	NUT M10X1.5	
A503	X200010040DZ	BOLT M10X1 . 5X40	
A504	X220010000DZ	NUT M10X1.5	
A505	X200012028DZ	BOLT M12X1 . 75X28	
A506	X200012035DZ	BOLT M12X1 . 75X35	
A507	Z300010000ZZ	FLAT WASHER 10	
A508	Z300012000ZZ	FLAT WASHER 12	
A509	Z565002700ZZ	GASKET 27	
A511	X570006000DZ	HEX. PLUG 3/4	
A512	X200010025ZZ	BOLT M10X1 . 5X25	
A514	X200012020DZ	BOLT M12X1 . 75X20	
A517	X220010000ZZ	NUT M10X1 . 5	
A525	Z565002100ZZ	GASKET 21	
A527	X570004000DZ	HEX. PLUG 1/2	
B22	E202250220Z	CATCH CLIP C1007 - 2	
B50	E202250500Z	BRACKET 1 - 8D, EX. MANIFOLD CVER	
B51	E202250510Z	BRACKET 2 - 8D, EX. MANIFOLD CVER	
B52	E202250520Z	BRACKET 3 - 8D, EX. MANIFOLD CVER	
B53	E202250530Z	BRACKET 4 - 8D, EX. MANIFOLD CVER	
B54	E202250540Z	BRACKET 5 - 8D, EX. MANIFOLD CVER	
B55	E202250550Z	BRACKET 6 - 8D, EX. MANIFOLD CVER	
B56	E202250560Z	BRACKET 7 - 8D, EX. MANIFOLD CVER	
B57	E202250570Z	BRACKET 8 - 8D, EX. MANIFOLD CVER	
B58	E202250580Z	BRACKET 9 - 8D, EX. MANIFOLD CVER	
EXHAUST PIPE COVER (REAR TURBOCHARGER) - 8DK			SECTION 13
			SHEET 208
No.	Parts No.	Name Of Parts	Quantity
B59	E202250590Z	BRACKET 10 - 8D, EX. MANIFOLD COVER	
B60	E202250600Z	CLAMP, EX. MANIFOLD COVER	
B61	E202250610Z	EX. MANIFOLD COVER - 1 - 8D	
B62	E202250620Z	EX. MANIFOLD COVER - 2 - 8D	
B63	E202250630Z	EX. MANIFOLD COVER - 3 - 8D	
B64	E202250640Z	EX. MANIFOLD COVER - 4- 8D	
B65	E202250650Z	EX. MANIFOLD COVER - 5- 8D	
B66	E202250660Z	EX. MANIFOLD COVER - 6	
B67	E202250670Z	EX. MANIFOLD COVER - 7- 8D	
B501	X200010014ZZ	BOLT M10X1 . 5X14	

B503	X200010014ZZ	BOLT M10X1 . 5X14	
B504	X200010014ZZ	BOLT M10X1 . 5X14	
B505	X220010000ZZ	NUT M10X1.5	
B506	X200010014ZZ	BOLT M10X1 . 5X14	
B507	X200010014ZZ	BOLT M10X1 . 5X14	
B513	X200010018ZZ	BOLT M10X1 . 5X18	
B516	X200010018ZZ	BOLT M10X1 . 5X18	
B518	X200010018ZZ	BOLT M10X1 . 5X18	
B519	X200010018ZZ	BOLT M10X1 . 5X18	
B520	X220010000ZZ	NUT M10X1 . 5	
B521	X200010020ZZ	-	
B522	X220010000ZZ	NUT M10X1 . 5	
B523	X200012032ZZ	BOLT M12X1 . 75X32	
B524	X210012088ZZ	STUD M12X1 . 75X88	
B525	X110012000ZZ	NUT M12X1 . 75	

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SECTION 13 **TYPE DK-20** **TURBOCHARGER & INTERCOOLER FITTING (REAR TURBOCHARGER)-6DK**
SHEET 210 **過給機, 空氣冷却器取付(後端過給)-6DK**





DK-20 Z 93-11

TURBOCHARGER & INTERCOOLER FITTING (REAR TURBOCHARGER) - 6DK			TYPE DK - 20	SECTION 13 SHEET 211
No.	Parts No.	Name Of Parts	Quantity	
A8	E222150160Z	BELLOW 90AX116		
A16	E202650160Z	I/C INLET DUCT (VTR161) - RT		
A21	E202650210Z	I/C BRACKET - 1 (VTR161) - RT		
A22	E202650220Z	I/C BRACKET - 2 RT		
A24	E202650240Z	I/C COVER (VTR161) - RT		
A31	E202650310Z	I/C GASKET (DK30)		
A32	E200250320A	GASKET - 2, INTAKE MANIFOLD LID		
A37	E222100060A	GASKET, BELLOWS		
A502	X210012046ZZ	STUD M12X1 . 75X46		

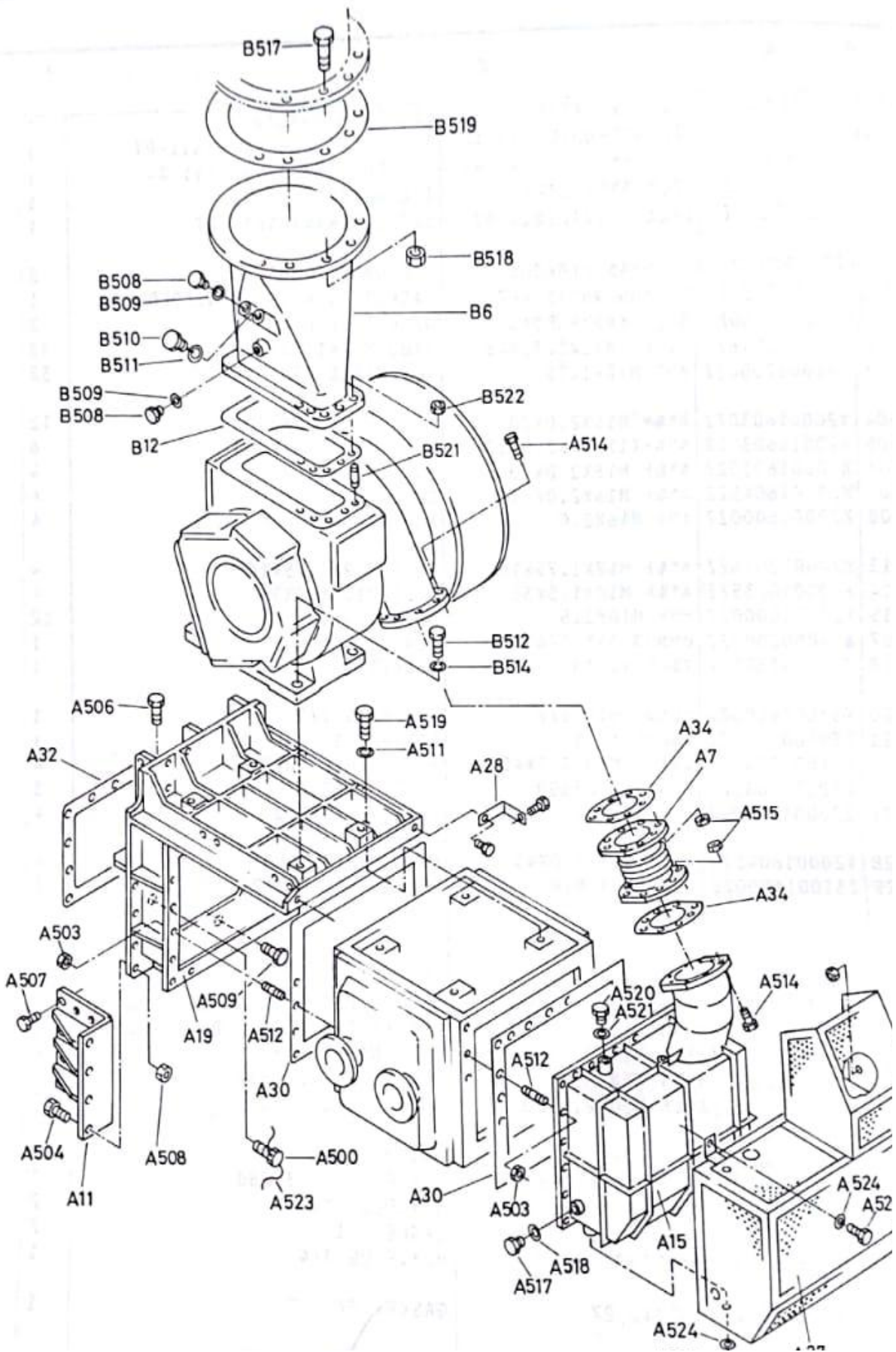
A503	X220012000ZZ	NUT M12X1 . 75	
A504	X200016030ZZ	BOLT M16X2 . 0X30	
A505	X200116030DZ	BOLT (1) M16X2 . 0X30	
A506	X200016030ZZ	BOLT M16X2 . 0X30	
A507	X200016045ZZ	BOLT M16X2 . 0X45	
A508	X220016000ZZ	NUT M16X2.0	
A513	X200012016ZZ	BOLT M12X1 . 75X16	
A514	X200010035ZZ	BOLT M10X1 . 5X35	
A515	X220010000ZZ	NUT M10X1.5	
A517	X570002000ZZ	HEX. PLUG 1/4	
A518	Z565001300ZZ	GASKET 13	
A520	X570004000ZZ	HEX PLUG 1/2	
A521	Z565002100ZZ	GASKET 21	
A522	X210010045ZZ	STUD M10X1 . 5X45	
A523	Z321016030DZ	WIRE 1.6X300	
A524	Z300012000ZZ	FLAT WASHER 12	
A528	X200016045ZZ	BOLT M16X2 . 0X45	
A529	Z310016000ZZ	SPRING WASHER M16	
B7	E182310090A	GAS OULET DUCT VTR161 - 108	
B15	E182310110Z	GASKET, GAS OULET DUCT - 161	
B501	X200016035ZZ	BOLT M16x2 . 0X35	
B502	Z310016000ZZ	SPRING WASHER M16	
B503	X200020070DZ	BOLT M20X2 . 5X70	
B504	X220020000JZ	NUT M20X2.5	
B505	Z501328000HZ	JIS GASKET (3) 280	
B508	X570004000DZ	HEX. PLUG 1/2	
B509	Z565002100ZZ	GASKET 21	
B510	X570006000DZ	HEX. PLUG 3/4	
B511	Z565002700ZZ	GASKET 27	

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SHEET
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TYPE
DK-20

TURBOCHARGER & INTERCOOLER FITTING
(FRONT TURBOCHARGER)-8DK
過給機, 空氣冷却器取付(前端過給)-8DK



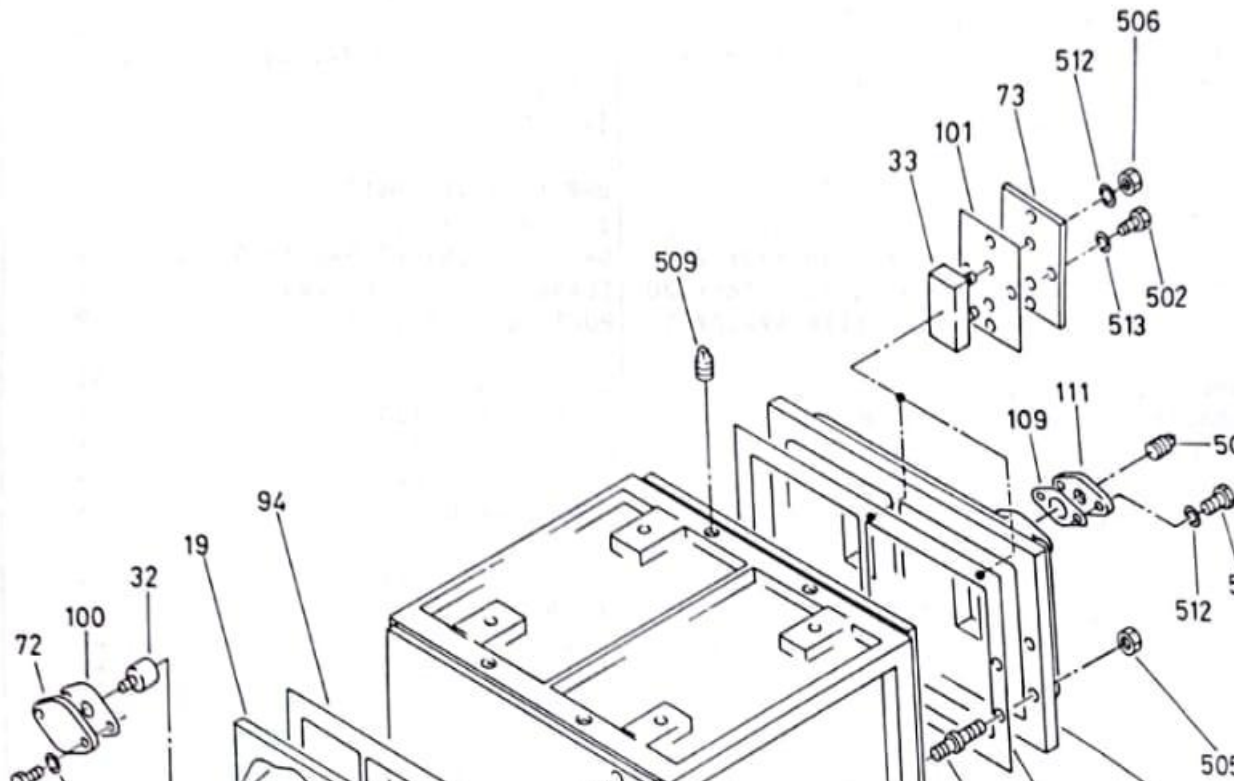
DK-20 | Z | 93-11

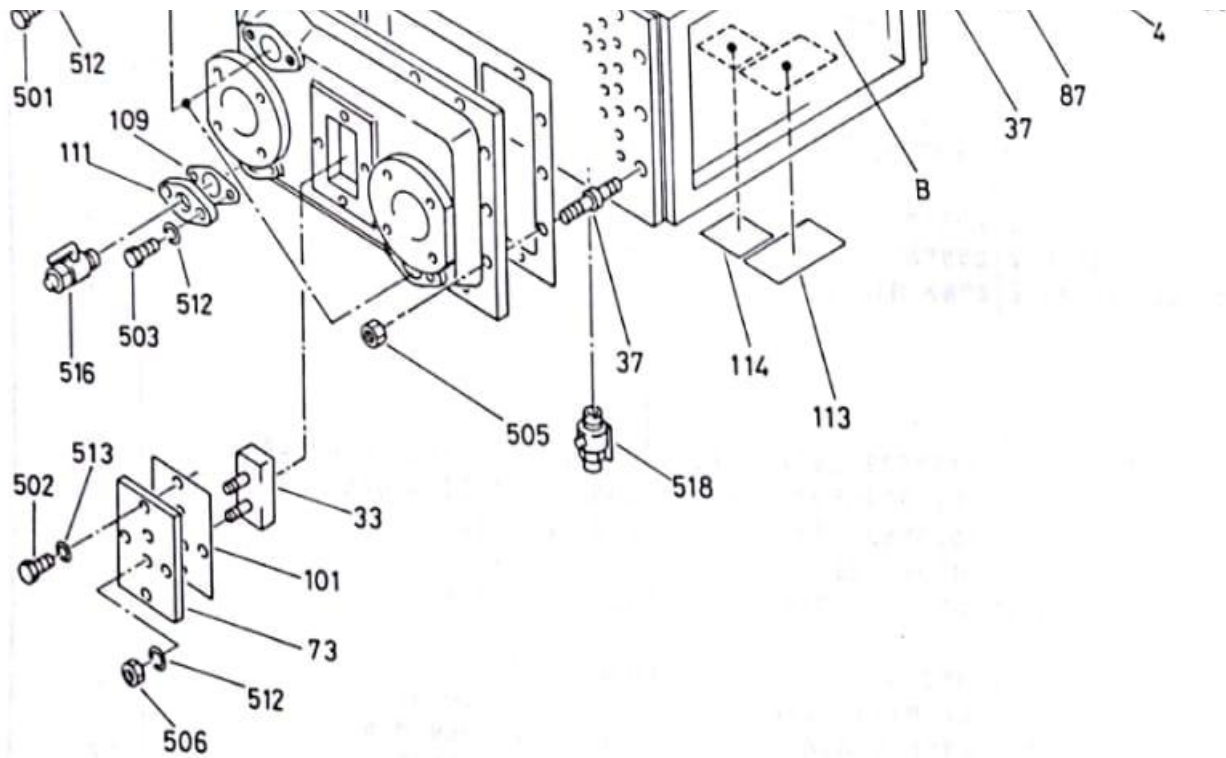
TURBOCHARGER & INTERCOOLER FITTING (REAR TURBOCHARGER) - 6DK			TYPE DK - 20	SECTION 13 SHEET 216
No.	Parts No.	Name Of Parts	Quantity	
A7	E202650070Z	BELLOW, 150AX150		
A11	E202650110A	I/C BRACKET - 2		
A15	E202650150A	I/C INLET DUCT (VTR214)		
A19	E202650190Z	I/C BRACKET -1 - 8D		
A27	E202650270Z	I/C COVER - 2		
A28	E202650280Z	BRACKET, I/C COVER		
A30	E202650300Z	I/C GASKET (57)		
A32	E200250320A	GASKET - 2, INTAKE MANIFOLD LID		
A34	E202650340Z	FLANGE GASKET 168X220		
A500	X200116035DZ	BOLT (1) M16X2 . 0X35		
A503	X200016035ZZ	NUT M12X1.75		
A504	Z310022000ZZ	BOLT M16X2 . 0X30		
A506	X210012050ZZ	BOLT M16X2 . 0X30		
A507	X200016045ZZ	BOLT M16X2 . 0X45		
A508	X220016000ZZ	NUT M16X2.0		
A509	X200016035ZZ	BOLT M16X2 . 0X35		
A511	Z310022000ZZ	SPRING WASHER M22		
A512	X210012050ZZ	STUD M12X1 . 75X50		
A514	X200010035ZZ	BOLT M10X1 . 5X35		
A515	X220010000ZZ	NUT M10X1.5		
A517	X570002000ZZ	HEX. PLUG 1/4		
A518	Z565001300ZZ	GASKET 13		
A519	X200022050ZZ	BOLT M22X2 . 5X50		
A520	X570004000ZZ	HEX PLUG 1/2		
A521	Z565002100ZZ	GASKET 21		
A523	Z321016030DZ	WIRE 1.6X300		
A524	Z300012000ZZ	FLAT WASHER 12		
A526	X200012020ZZ	BOLT M12X1 . 75X20		
B6	E262350220Z	GAS OUTLET DUCT VTR214A - 14B		

B12	E262350200Z	GASKET VTR214A GAS OUTLET DUCT	
B508	X570004000DZ	HEX. PLUG 1/2	
B509	Z565002100ZZ	GASKET 21	
B510	X570006000DZ	HEX. PLUG 3/4	
B511	Z565002700ZZ	GASKET 27	
B512	X200016080ZZ	BOLT M16X2 . 0X80	
B514	Z310016000ZZ	SPRING WASHER M16	
B517	X200022070DZ	BOLT M22X2 . 5X70	
B518	X220022000JZ	NUT M22X2.5	
B519	Z501336000HZ	JIS GASKET (3) 360	
B521	X210008040DZ	STUD M8X1 . 25X40	
B522	X220308000DZ	NUT (3) M8X1.25	

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SECTION 13	TYPE DK-20	INTERCOOLER (DK-30)-SEA WATER 空氣冷却器 (DK-30) — 海水
SHEET 220		





DK-20	Z	93-11
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INTERCOOLER (DK - 30) - SEA WATER			TYPE DK - 20	SECTION 13 SHEET 221
No.	Parts No.	Name Of Parts	Quantity	
B	C048490040B	INTER COOLER DK30 ASSY FLAME ASSY. DK30		
4	C048410040B	SIDE COVER (A)		
19	C048410190B	SIDE COVER (B)		
32	C048420320Z	ZINC PROTECTOR (B)		
37	C048440370B	ZINC PROTECTOR (A)		
72	C048470720Z	HEAD (B), ZINC PROTECTOR		
73	C048470730Z	HEAD (A), ZINC PROTECTOR		
87	C048470870C	GASKET (2)		
94	C048470940C	GASKET (3)		
100	C048471000A	GASKET (5)		
101	C048471010A	GASKET (4)		

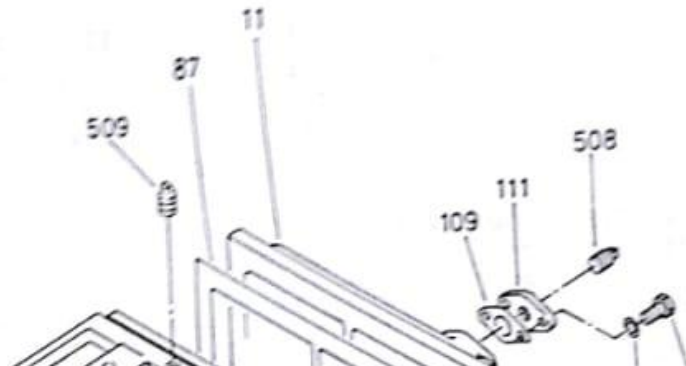
109	C048471090Z	GASKET (8)	
111	C048471110Z	OVAL FLANGE (1)	
113	C048170760A	NAME PLATE	
114	C048170780Z	CAUTION PLATE	
501	X200010025ZZ	BOLT M10X1 . 5X25	
502	X200012030ZZ	BOLT M12X1 . 75X30	
503	X200010025ZZ	BOLT M10X1 . 5X25	
505	X227012000ZZ	U - NUT M12X1.75	
506	X220010000ZZ	NUT M10X1.25	
507	X220008000ZZ	NUT M8X1.25	
508	Z571102000JZ	TAPER PLUG (1) 1/4	
509	Z571101000JZ	TAPER PLUG (1) 1/8	
512	Z310010000ZZ	SPRING WASHER M10	
513	Z310012000ZZ	SPRING WASHER M12	
516	Z580202000ZZ	DRAIN COCK (2) 1/4	
518	Z580101000ZZ	DRAIN COCK (1) 1/8	

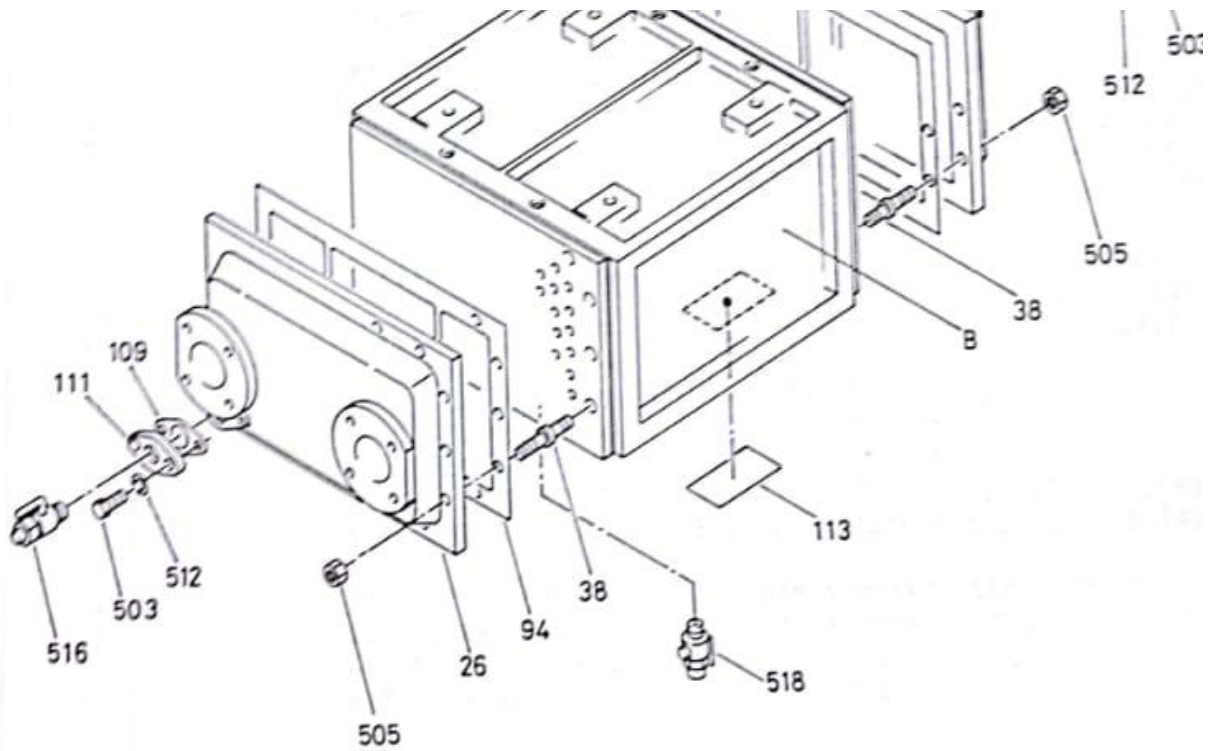
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SECTION
13
SHEET
222

TYPE
DK-20

INTERCOOLER (DK-30Hz)-FRESH WATER
空気冷却器 (DK-30Hz) - 清水





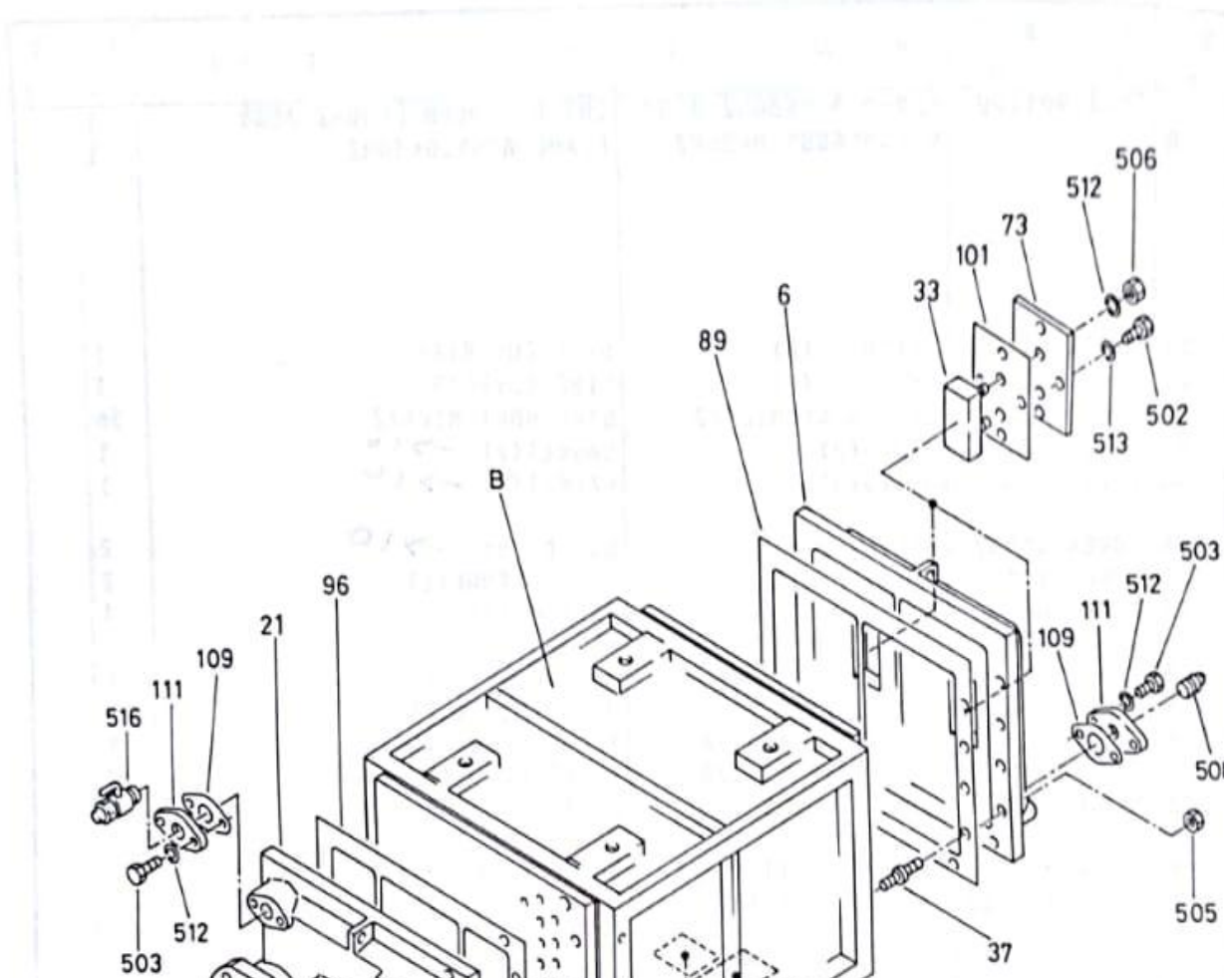
DK-20	Z	93-11
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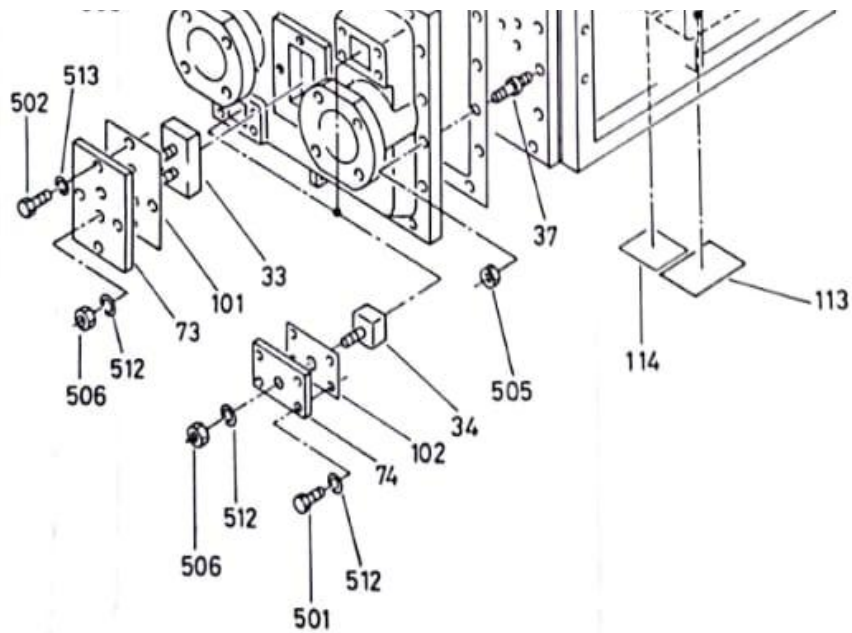
INTERCOOLER (DK - 30Hz) - FRESH WATER			TYPE DK - 20	SECTION 13 SHEET 223
No.	Parts No.	Name Of Parts	Quantity	
B	C048490110B	INTER COOLER DK30HZ ASSY FLAME ASSY. DK30HZ		
11	C048410110B	SIDE COVER (A)		
26	C048410260B	SIDE COVER (B)		
38	C047900610Z	STUD BOLT M12X72		
87	C048470870C	GASKET (2)		
94	C048470940C	GASKET (3)		
109	C048470870C	GASKET (8)		

111	C048471110Z	OVAL FLANGE (1)	
113	C048170760A	NAME PLATE	
503	X200010025ZZ	BOLT M10X1 . 5X25	
505	X227012000ZZ	U - NUT M12X1.75	
508	Z571102000JZ	TAPER PLUG (1) 1/4	
509	Z571101000JZ	TAPER PLUG (1) 1/8	
512	Z310010000ZZ	SPRING WASHER M10	
516	Z580202000ZZ	DRAIN COCK (2) 1/4	
518	Z580101000ZZ	DRAIN COCK (1) 1/8	

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SECTION 13	TYPE DK-20	INTERCOOLER (DK-44)-SEA WATER 空気冷却器 (DK-44) - 海水
SHEET 224		





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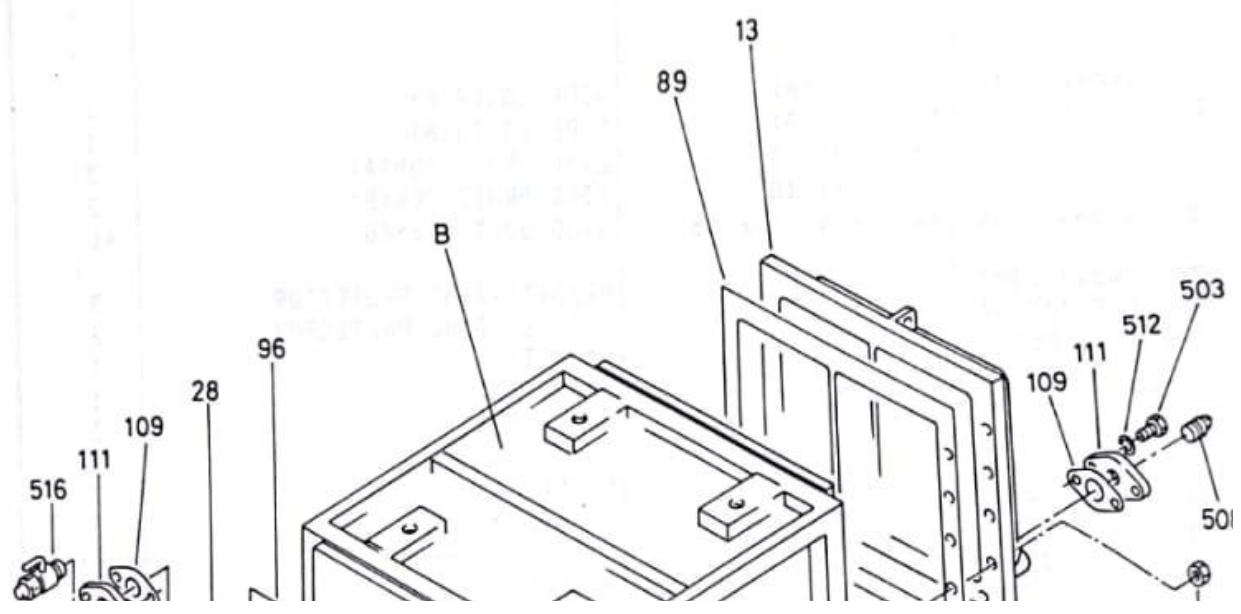
INTERCOOLER (DK - 44) - SEA WATER			TYPE DK - 20	SECTION 13 SHEET 225
No.	Parts No.	Name Of Parts	Quantity	
B	C0484900608	INTER COOLER DK44 ASSY. FLAME ASSY. DK44		
6	C048410060B	SIDE COVER (A)		
21	C048410210C	SIDE COVER (B)		
33	C048420330Z	ZINC PROTECTOR (A)		
34	C048420340Z	ZINC PROTECTOR (B)		
37	C048440370B	STUD BOLT M12X68		
73	C048470730Z	HEAD (A), ZINC PROTECTOR		
74	C048470740Z	HEAD (B), ZINC PROTECTOR		
89	C048470890C	GASKET (2)		
96	C048470960D	GASKET (3)		
101	C048471010A	GASKET (4)		
102	C048471020A	GASKET (5)		
109	C048471090Z	GASKET (8)		
111	C048471090Z	OVAL FLANGE (1)		

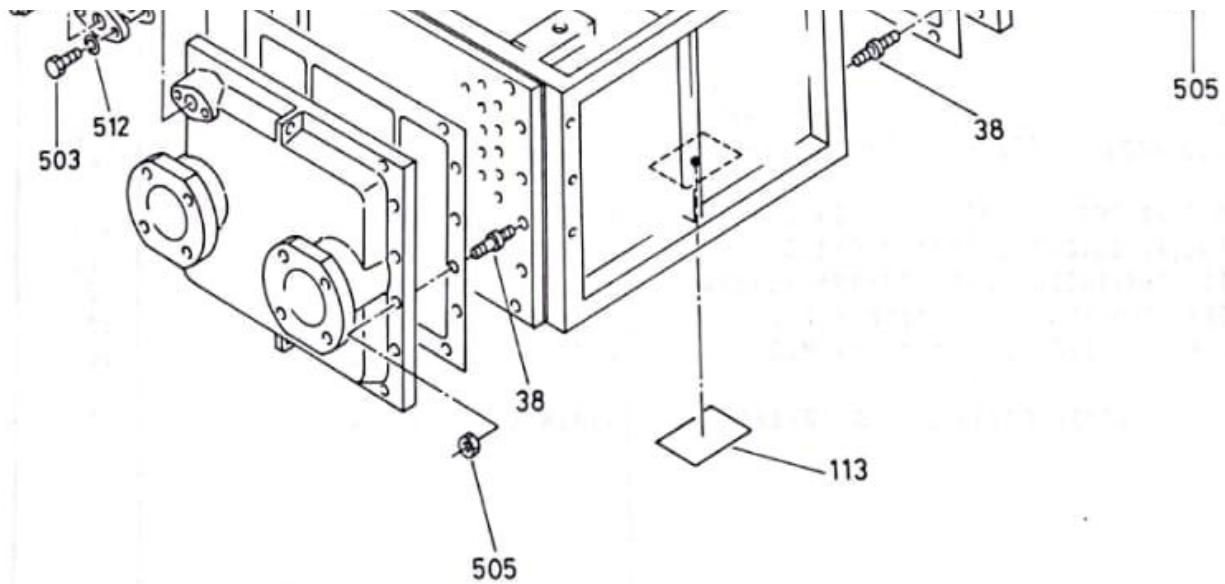
113	C048170760A	NAME PLATE	
114	C048170780Z	CAUTION PLATE	
501	X200010025ZZ	BOLT M10X1 . 5X25	
502	X200012030ZZ	BOLT M12X1 . 75X30	
503	X200010025ZZ	BOLT M10X1 . 5X25	
505	X227012000ZZ	U - NUT M12X1.75	
506	X220010000ZZ	NUT M10X1.5	
508	Z571102000JZ	TAPER PLUG (1) 1/4	
512	Z310010000ZZ	SPRING WASHER M10	
513	Z310012000ZZ	SPRING WASHER M12	
516	Z580202000ZZ	DRAIN COCK (2) 1/4	

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SECTION 13	TYPE DK-20
SHEET 226	

INTERCOOLER (DK-44Hz)-FRESH WATER
 空気冷却器 (DK-44Hz) - 清水





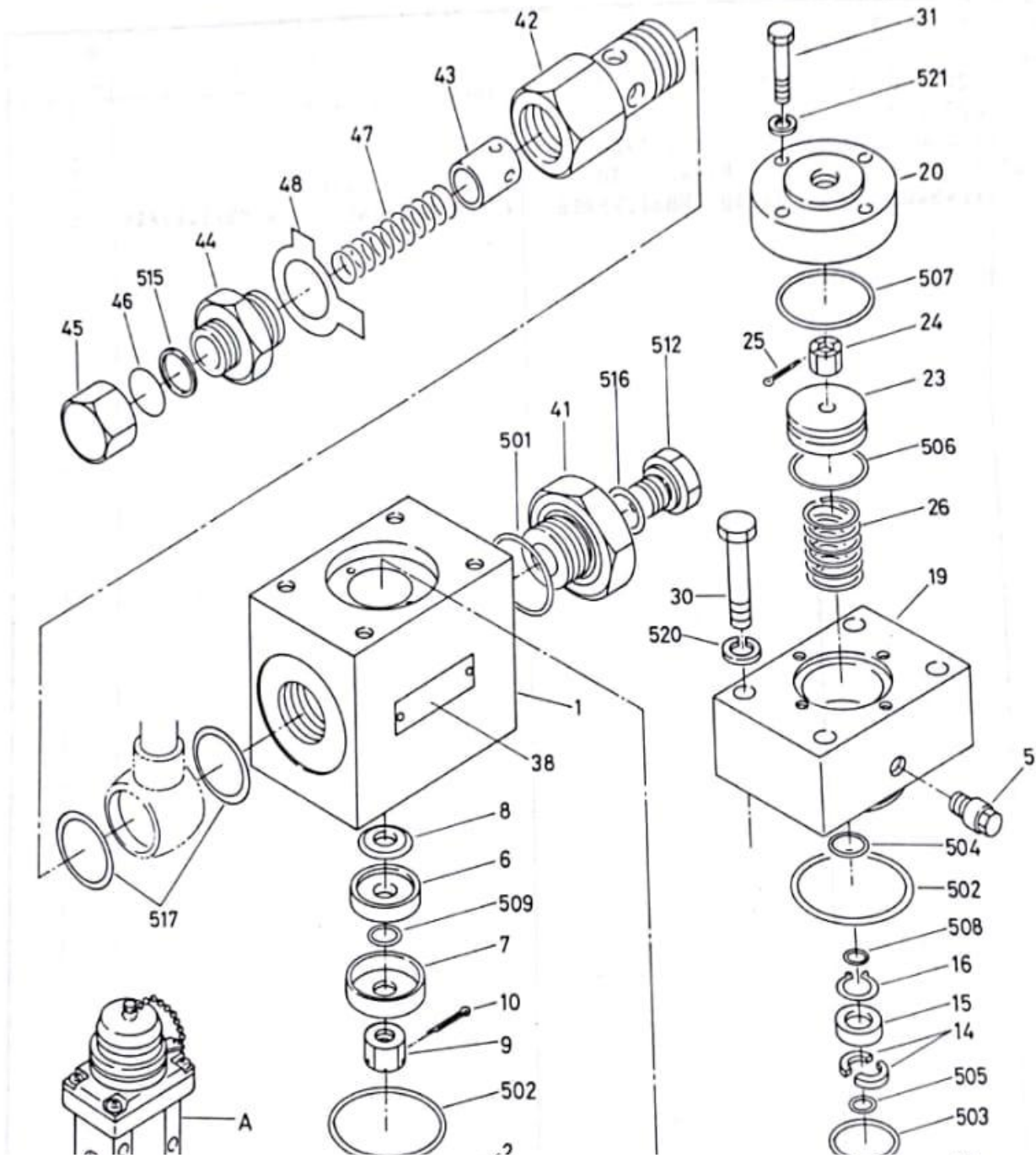
DK-20	Z	93-11
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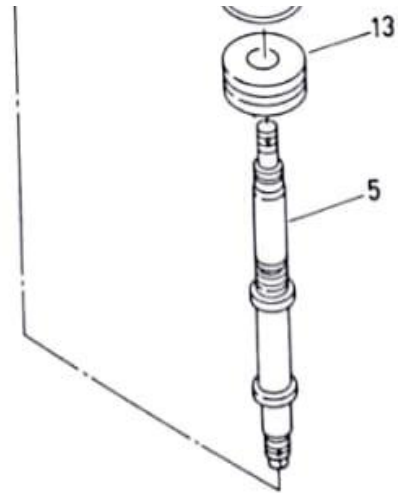
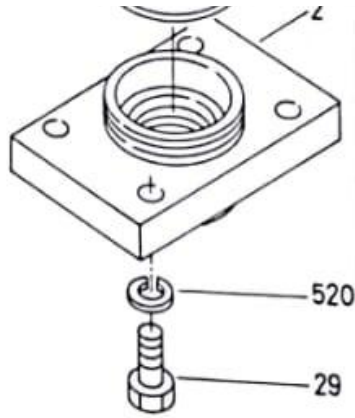
INTERCOOLER (DK - 44Hz) - FRESH WATER			TYPE DK - 20	SECTION 13 SHEET 227
No.	Parts No.	Name Of Parts	Quantity	
B	C048490130B	INTER COOLER DK44HZ ASSY FLAME ASSY. DK44HZ		
13	C048410130B	SIDE COVER (A)		
28	C048410280C	SIDE COVER (B)		
38	C047900610Z	STUD BOLTE M12X72		
89	C048470890C	GASKET (2)		
96	C048470960D	GASKET(3)		
109	C048471090Z	GASKET (8)		
111	C048471110Z	OVAL FLANGE (1)		
113	C048170760A	NAME PLATE		
503	X200010025ZZ	BOLT M10X1 . 5X25		
505	X227012000ZZ	U - NUT M12X1.75		

508	Z571102000JZ	TAPER PLUG (1) 1/4	
512	Z310010000ZZ	SPRING WASHER M10	
516	Z580202000ZZ	DRAIN COCK (2) 1/4	

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SECTION 14	TYPE DK-20	STARTING AIR VALVE & STARTING AIR CONTROL VALVE 始動弁・操作弁
SHEET 10		





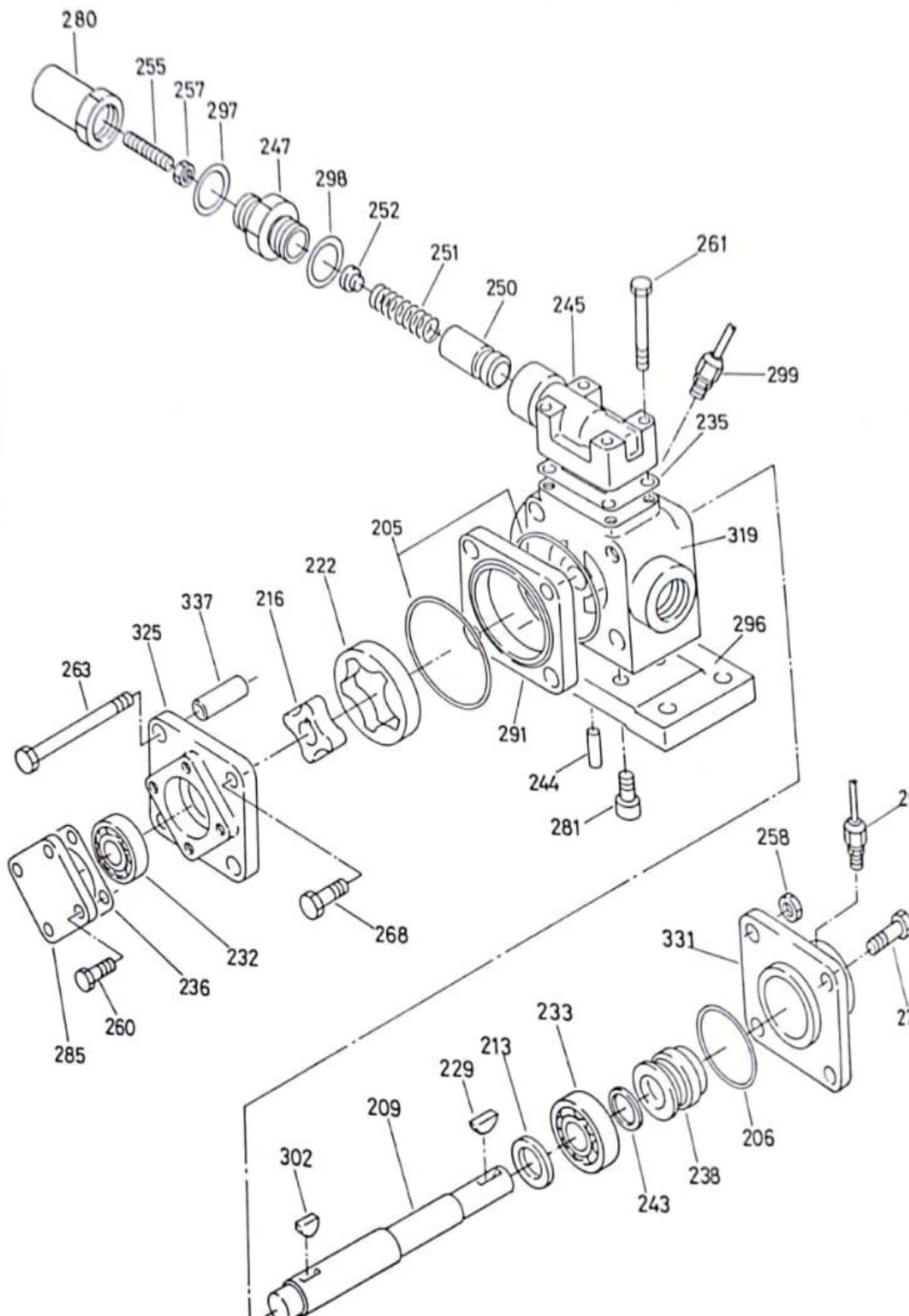
DK-20 | A | 93-12

STARTING AIR VALVE & STARTING AIR CONTROL VALVE			TYPE DK - 20	SECTION 13 SHEET 11
No.	Parts No.	Name Of Parts	Quantity	
A	S108509010Z S108609010Z	STARTING OPERATION VALVE MAIN AIR STARTING VALVE 25A		
1	S108600010Z	S.A. VALVE BODY		
2	S108600020Z	COVER 1		
5	S108600050Z	VALVE SHAFT		
6	S108600060Z	VALVE		
7	S108600070Z	SEAT, VALVE		
8	S108600080Z	COVER, VALVE		
9	S108600090Z	HEXAGON SLOTTED 7 CASTLE NUT		
10	S108600100Z	SPLIT PIN 2.5X25		
13	S108600130Z	PISTON A		
14	S108600140Z	KEY		
15	S108600150Z	RETAINER, KEY		
16	S108600160Z	STOP RING A13X1.00		
19	S108600190Z	CYLINDER		
20	S108600200Z	COVER 2		
23	S108600230Z	PISTON B		
24	S108600240Z	HEXAGON SLOTTED & CASTLE NUT		
25	S108600250Z	SPLIT PIN 2X18		
26	S108600260Z	SPRING 3X24X40		
29	S108600290Z	BOLT M10X30		

30	S108600300Z	BOLT M10X60	
31	S108600310Z	BOLT M6X30	
38	A226570290Z	LABEL, MAIN AIR STARTING VALVE	
41	S108600410Z	JOINT SEAT	
42	X040040180Z	BODY, CHECK VALVE	
43	X040040220Z	CHECK VALVE	
44	X040040230Z	SEAT, SPRING	
45	A327740020A	CAP NUT, SAFETY PLUG	
46	A327770010Z	BURSTING PLATE, SAFETY PLUG	
47	C040070370A	SPRING 1.6X14 . 5X62	
48	C040070380Z	TANGUED WASHER (2) M30	
51	S108600510Z	FILTER	
501	Z560204031ZZ	O RING G40	
502	Z560205531ZZ	O RING G55	
503	Z560102835ZZ	O RING P28	
504	Z560101324ZZ	O RING P12.5	
505	Z560101019ZZ	O RING P10	
506	Z560103435ZZ	O RING P34	
507	Z560204531ZZ	O RING G45	
508	Z560100919ZZ	O RING P9	
STARTING AIR VALVE & STARTING AIR CONTROL VALVE			TYPE DK - 20
			SECTION 13 SHEET 12
No.	Parts No.	Name Of Parts	Quantity
509	Z560101224ZZ	O RING P12	
512	X570004000ZZ	HEX PLUG 1/2	
515	Z567001800BZ	GASKET 18	
516	Z565002100ZZ	GASKET 21	
517	Z565003400ZZ	GASKET 34	
520	Z310010000ZZ	SPRING WASHER M10	
521	Z310006000ZZ	SPRING WASHER M6	

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SECTION 14	TYPE DK-20	FUEL OIL FEED PUMP 燃料送油ポンプ
SHEET 20		



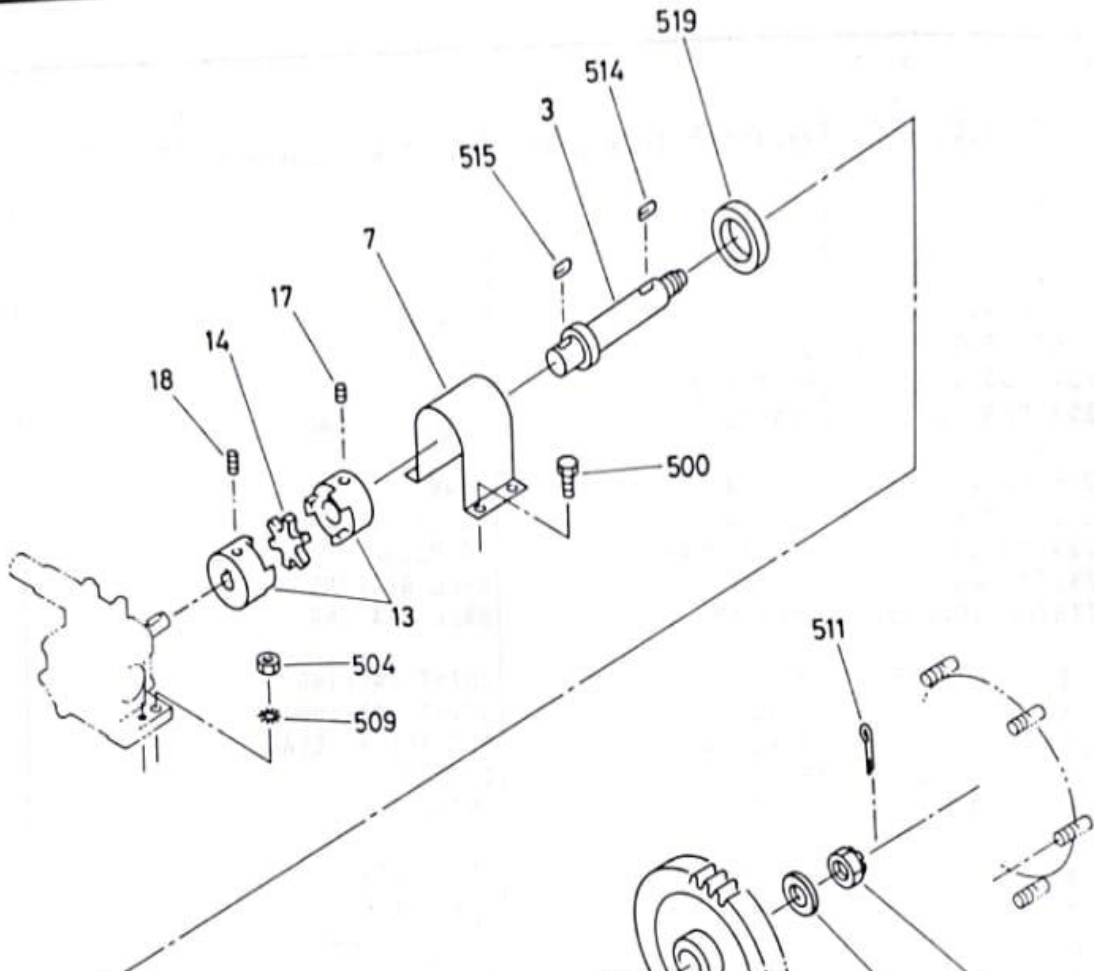
DK-20 | Z | 93-11

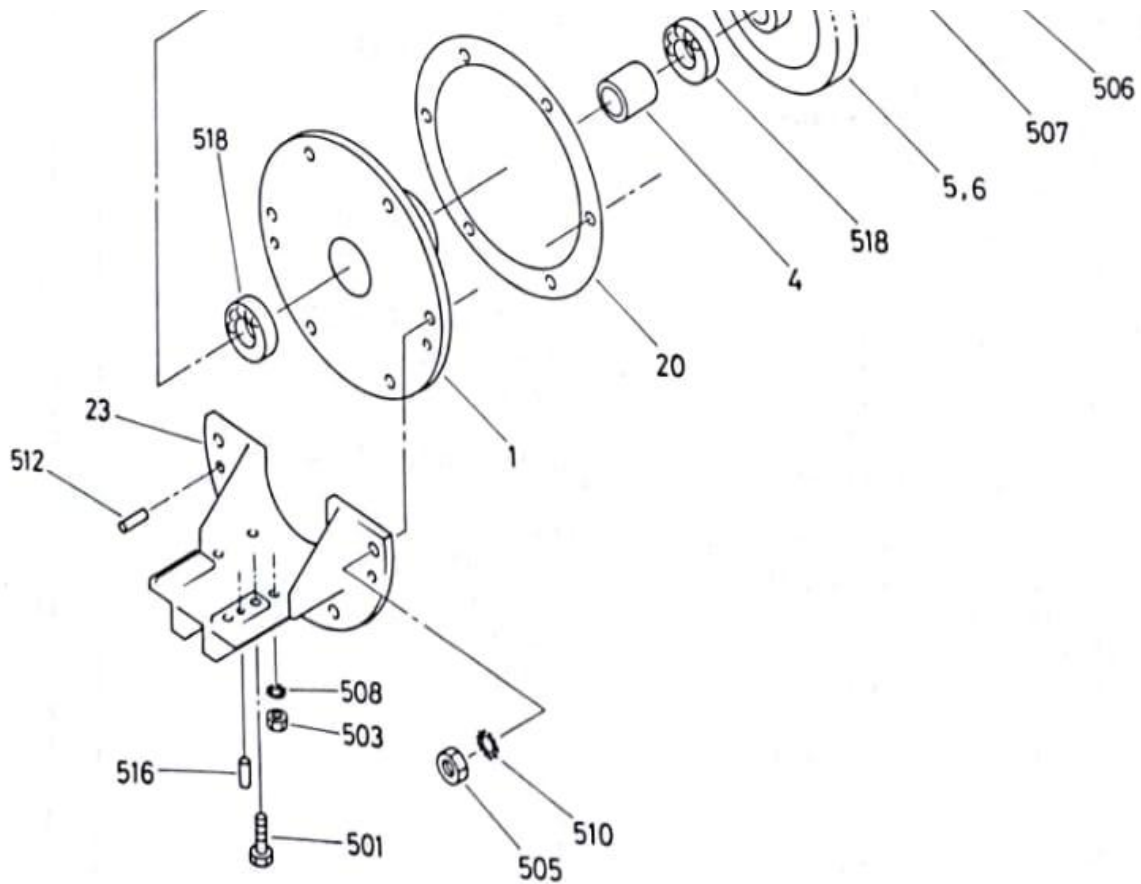
FUEL OIL FEED PUMP			TYPE DK - 20	SECTION 13 SHEET 21
No.	Parts No.	Name Of Parts	Quantity	
	C034900020B	OIL PUMP TLGK -2 - 6D2		
205	C034902050Z	O RING		
206	C034902060Z	O RING		
209	C034902090A	SHAFT		
213	C034902130Z	SHAFT COLLAR		
216	C034902160A	INNER ROTOR		
222	C034902220A	OUTER ROTOR		
229	C034902290A	COUPLING KEY		
232	C034902320Z	BALL BEARING		
233	C034902330Z	BALL BEARING		
235	C034902350Z	JOINT PACKING		
236	C034902360Z	JOINT PACKING		
238	C034902380B	MECHANICAL SEAL		
243	C034902430A	COLLAR		
244	C034902440Z	KNOCK PIN		
245	C034902450Z	VALVE BOX		
247	C034902470Z	CONNECTER		
250	C034902500Z	SAFETY VALVE		
251	C034902510Z	VALVE SPRING		
252	C034902520Z	SPRING CARRIER		
255	C034902630Z	ADJUST SCREW		
257	C034902680Z	LOCK NUT		
258	C034902580Z	HEXAGON NUT		
260	C034902600Z	HEXAGON NUT BOLT		
261	C034902610Z	HEXAGON NUT BOLT		
263	C034902630Z	HEXAGON NUT BOLT		
268	C034902680Z	HEXAGON NUT BOLT		
272	C034902720Z	HEXAGON NUT BOLT		
280	C034902800Z	CAP		
281	C034902810A	SOCKET HEAD CAP SCREW		

285	C034902850Z	BEARING COVER	
291	C034902910Z	ROTOR HAUSING	
296	C034902960A	BRACKET	
297	C034902970Z	PACKING	
298	C034902980Z	PACKING	
299	C034902990Z	RING JOINT	
302	C034903020Z	ROTOR KEY	
319	C034903190A	CASING	
325	C034903250Z	SIDE COVER	
331	C034903310Z	SEAL COVER	
337	C034903370Z	PIPE NOCK	

DAIHATSU

SECTION 14	TYPE DK-20	FUEL OIL PUMP DRIVING DEVICE 燃料送油ポンプ駆動装置
SHEET 30		





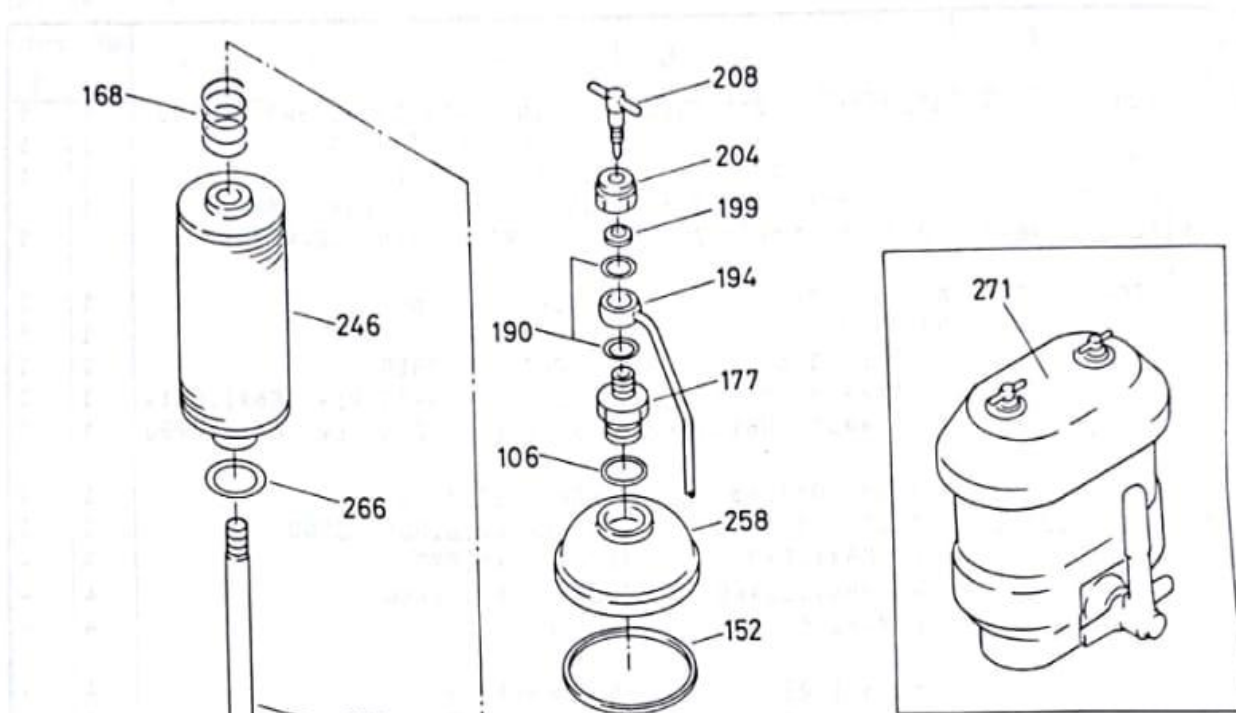
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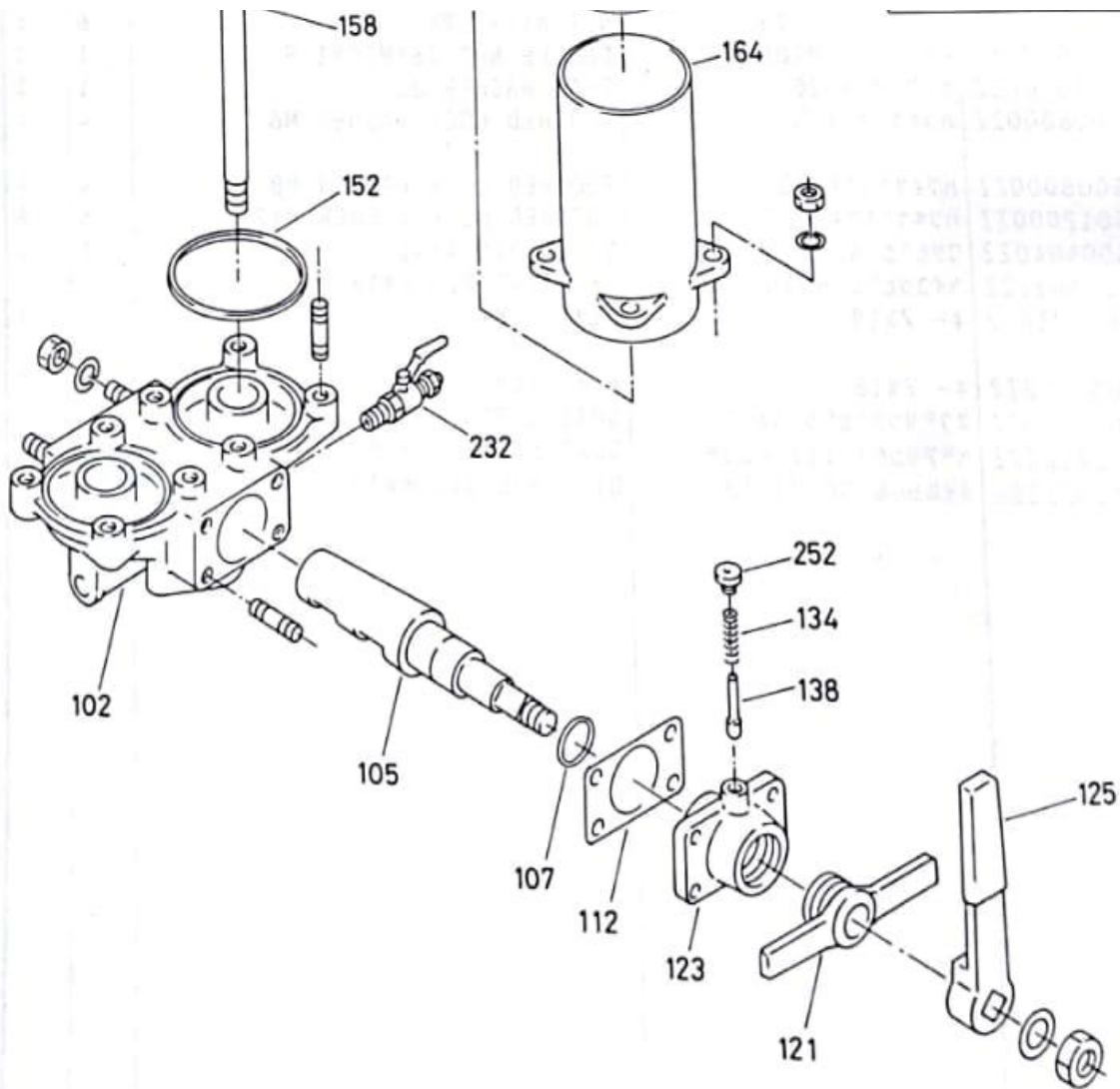
FUEL OIL PUMP DRIVING DEVICE			TYPE DK - 20	SECTION 13 SHEET 31
No.	Parts No.	Name Of Parts	Quantity	
1	E211350010Z	BEARING CASE, DRIVE SHAFT - 3500		
3	E211350030Z	DRIVING SHAFT - 3500		
4	E231350040Z	DISTANCE PIECE 46		
5	E211350050Z	F.O.P. DRIVING GEAR Z = 37		
6	E211350060Z	F.O. PUMP DRIVING GEAR Z = 37		
7	E204200070A	COVER COUPLING		
13	E231350130Z	COUPLING		
14	E231350140Z	COUPLING RUBBER		
17	E204200710A	HEX. SOCKET SETSCREW M6X1 . 0X14		
18	E204200180A	HEX. SOCKET SETSCREW M6X1 . 0X20		
20	E203150130Z	GASKET 205/265		
23	E211350230Z	BRACKET, F.O. PUMP - 3500		
500	X200006020ZZ	BOLT M6X1 . 0X20		
501	X200008040ZZ	BOLT M8X1 . 25X40		

503	X220006000ZZ	NUT M6X1.0	
504	X220008000ZZ	NUT M8X1.25	
505	X110012000ZZ	NUT M12X1.75	
506	X225620000ZZ	CASTLE NUT (6) M20X1.5	
507	Z300020000ZZ	FLAT WASHER 20	
508	Z315006000ZZ	TOOTHED LOCK WASHER M6	
509	Z315008000ZZ	TOOTHED LOCK WASHER M8	
510	Z315012000ZZ	TOOTHED LOCK WASHER M12	
511	Z320004040ZZ	SPLIT PIN 4X40	
512	Z335006016ZZ	STRAIGHT PIN 6X16	
514	Z400007018ZZ	KEY 7X8	
515	Z400007018ZZ	KEY 7X8	
516	Z415004030ZZ	SPRING PIN 4X30	
518	Z451162060ZZ	BEARING (1) 6206	
519	Z461406212SC	OIL SEAL SC406212	

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SECTION 14	TYPE DK-20	FUEL OIL FILTER 燃料油器
SHEET 40		





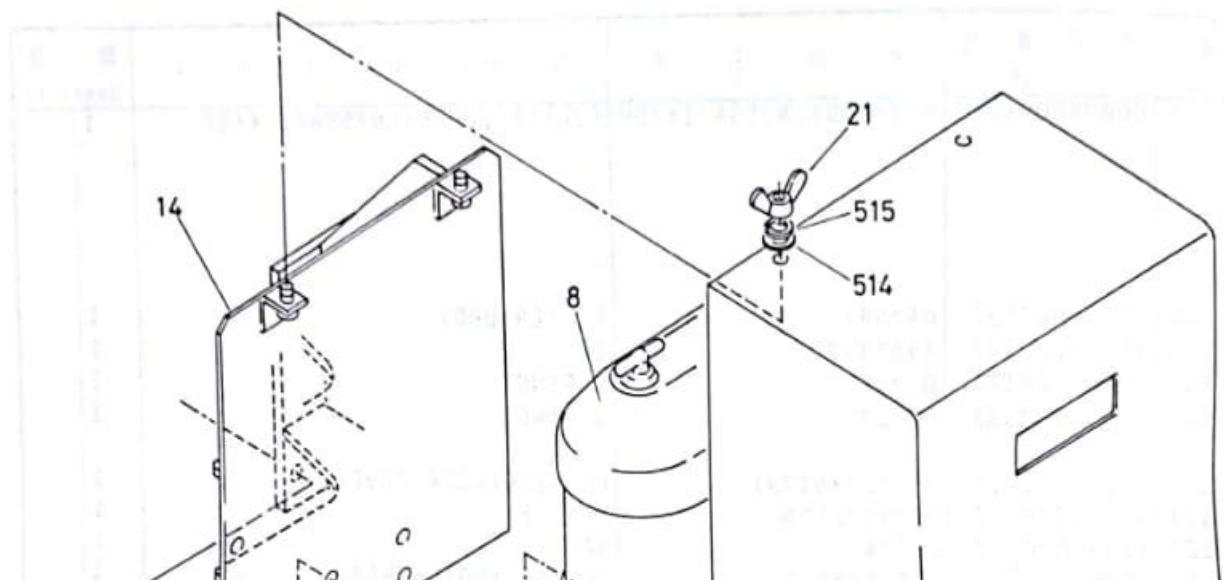
DK-20 Z 93-11

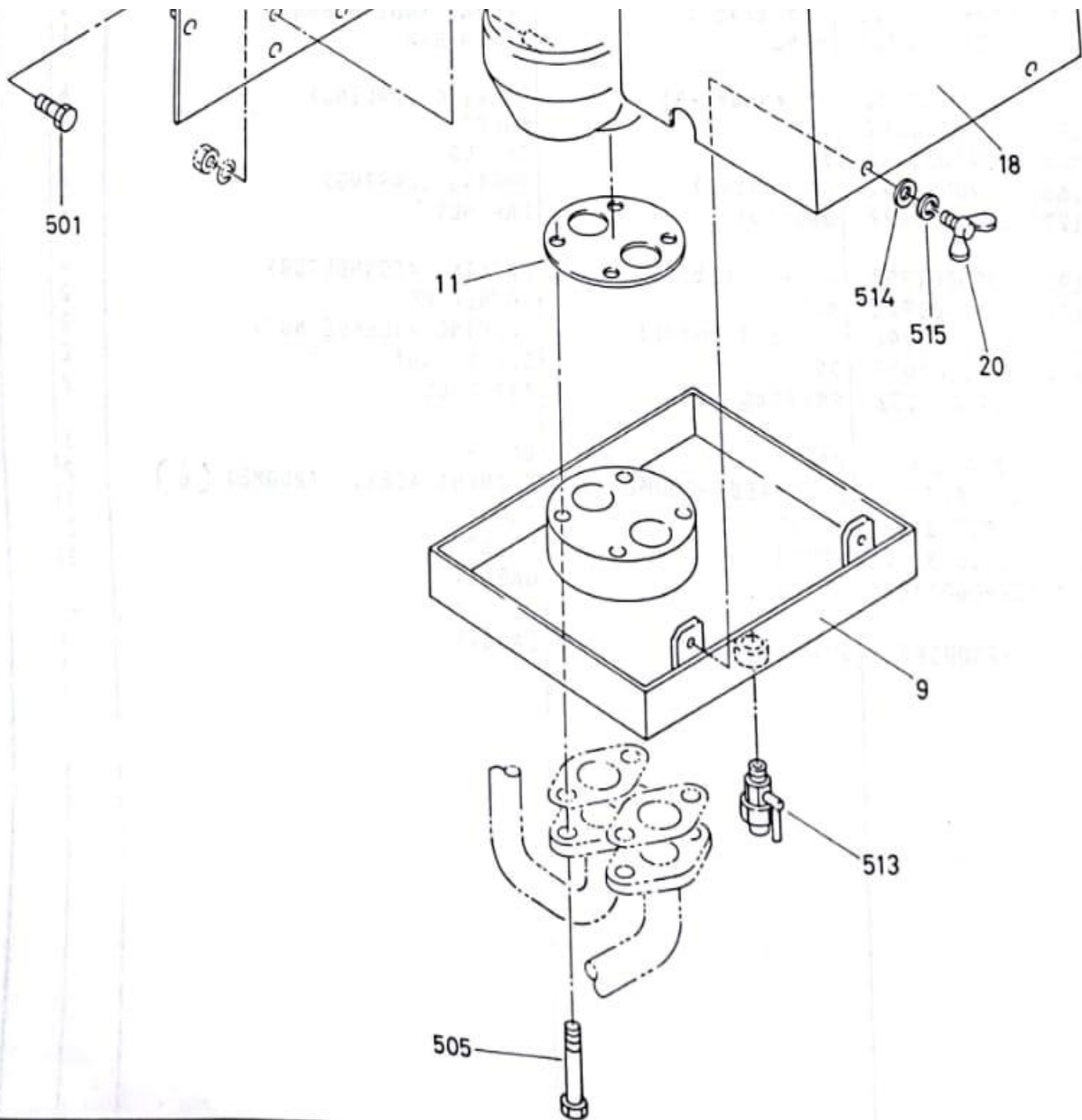
FUEL OIL FILTER			TYPE DK - 20	SECTION 13 SHEET 41
No.	Parts No.	Name Of Parts	Quantity	
10	C060800010Z	FILTER 32PED / LN75SA / 1 - X / BP		
102	Y529000010Z	FILTER BODY		
105	Y529000018Z	COCK		
106	Y529000037A	O RING		
107	Y529000038A	O RING		
112	Y529000041Z	PACKING, COCK COVER		
121	Y529000052Z	HANDLE		
125	Y529000060Z	HANDLE		
134	Y529000071Z	SPRING (NOTCH BAR)		

138	Y529000081Z	NOTCH BAR	
152	Y529000113Z	PACKING (CASING)	
158	Y529000129Z	SHAFT	
164	Y529000146Z	CASING	
168	Y529000149Z	SPRING (CASING)	
177	Y529000167Z	CAPNUT	
190	Y529000189Z	PACKING (CONNECTOR)	
194	Y529000194Z	CONNECTOR	
199	Y529000199Z	PACKING (SLEEVE NUT)	
204	Y529000207Z	SLEEVE NUT	
208	Y529000213Z	AIR PLUG	
232	Y529000247Z	VALVE	
246	Y529000301Z	ELEMENT ASSY. (200ME)	
252	Y529000313Z	PLUG	
258	Y529000324Z	COVER	
266	Y529000338Z	GASKET	
271	Y529000347Z	LAGGING	

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SECTION 14	TYPE DK-20	FUEL OIL FILTER FITTING 燃料濾器取付
SHEET 50		





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FUEL OIL FILTER FITTING			TYPE DK - 20	SECTION 13 SHEET 51
No.	Parts No.	Name Of Parts	Quantity	
8	C060800010Z	FILTER 32PED / LN75SA / 1 - X / BP		
9	E214350090A	SAUCER, F.O FILTER (C3500)		
11	E214350110Z	GASKET, F.O. FILTER (C3500)		
14	E214350140A	BRACKET, F.O. FILTER - C		
18	E214350180A	COVER, F.O. FILTER (C3500)		
20	E214350200Z	WING BOLT (1) M8X14 - A		
21	E214350210Z	WING NUT (1) M8 - A		

501	X20001202ZZ	BOLT M12X1 . 75X22	
505	X200012075ZZ	BOLT M12X1 . 75X75	
513	Z580203000ZZ	DRAIN COCK (2) 3/8	
514	Z300008000ZZ	FLAT WASHER 8	
515	Z310008000ZZ	SPRING WASHER M8	

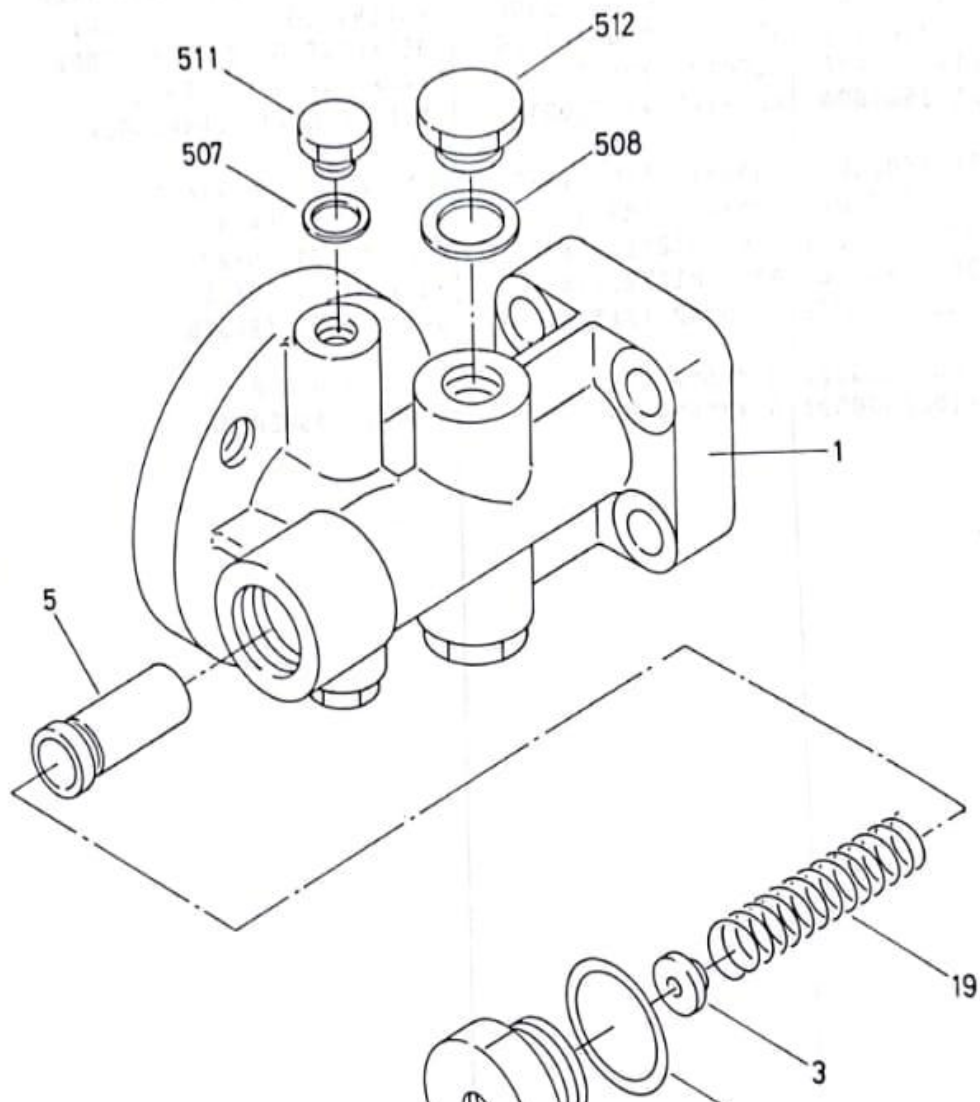
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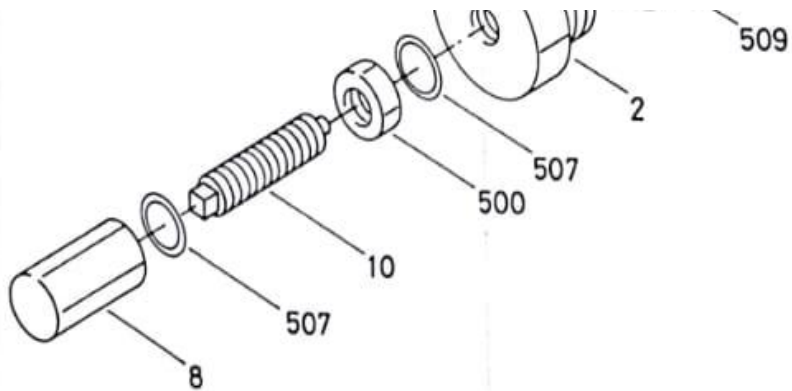
SECTION
14
SHEET
60

TYPE
DK-20

FUEL OIL RELIEF VALVE

燃料調圧弁



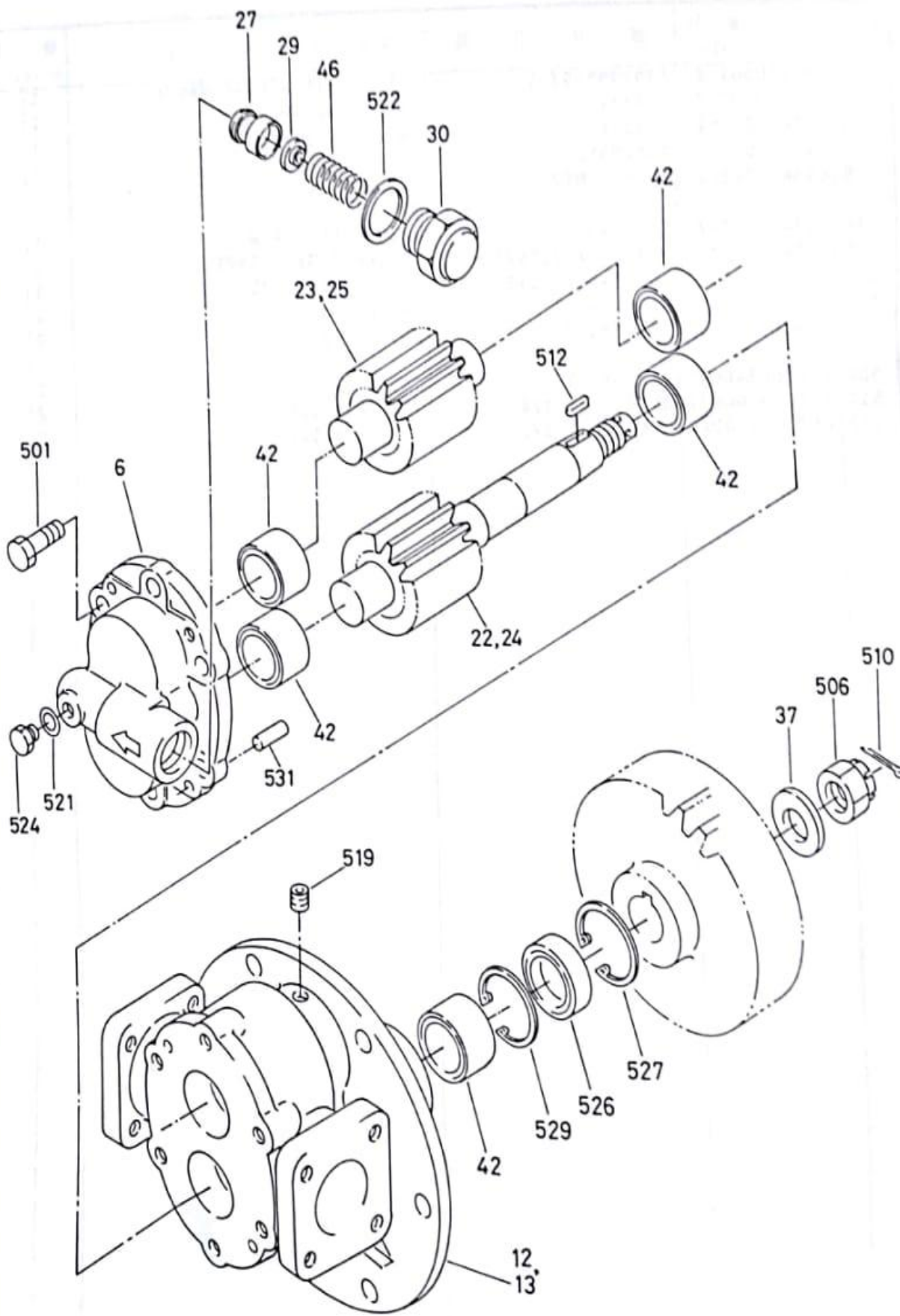


DK-20 Z 93-11

FUEL OIL RELIEF VALVE			TYPE DK - 20	SECTION 13 SHEET 61
No.	Parts No.	Name Of Parts	Quantity	
1	C034500010Z	BODY - 1, OIL RELIEF VALVE		
2	C034500020Z	CAP, VALVE SPRING		
3	C034000030Z	SPRING SEAT		
5	C034040010Z	RELIEF VALVE		
8	C034500080Z	CAP NUT M12		
10	C034500100Z	ADJUSTING SCREW		
19	C034000191Z	SPRING 2.3X12 . 5X71		
500	X220312000ZZ	NUT (3) M12X1.75		
507	Z565001300CC	GASKET 13		
508	Z565002100CC	GASKET 21		
509	Z565003400CC	GASKET 34		
511	X570002000ZZ	HEX. PLUG 1/4		
512	X570004000ZZ	HEX. PLUG 1/2		

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SECTION 14	TYPE DK-20	LUBRICATING OIL PUMP 潤滑油ポンプ
SHEET 70		



DK-20

Z

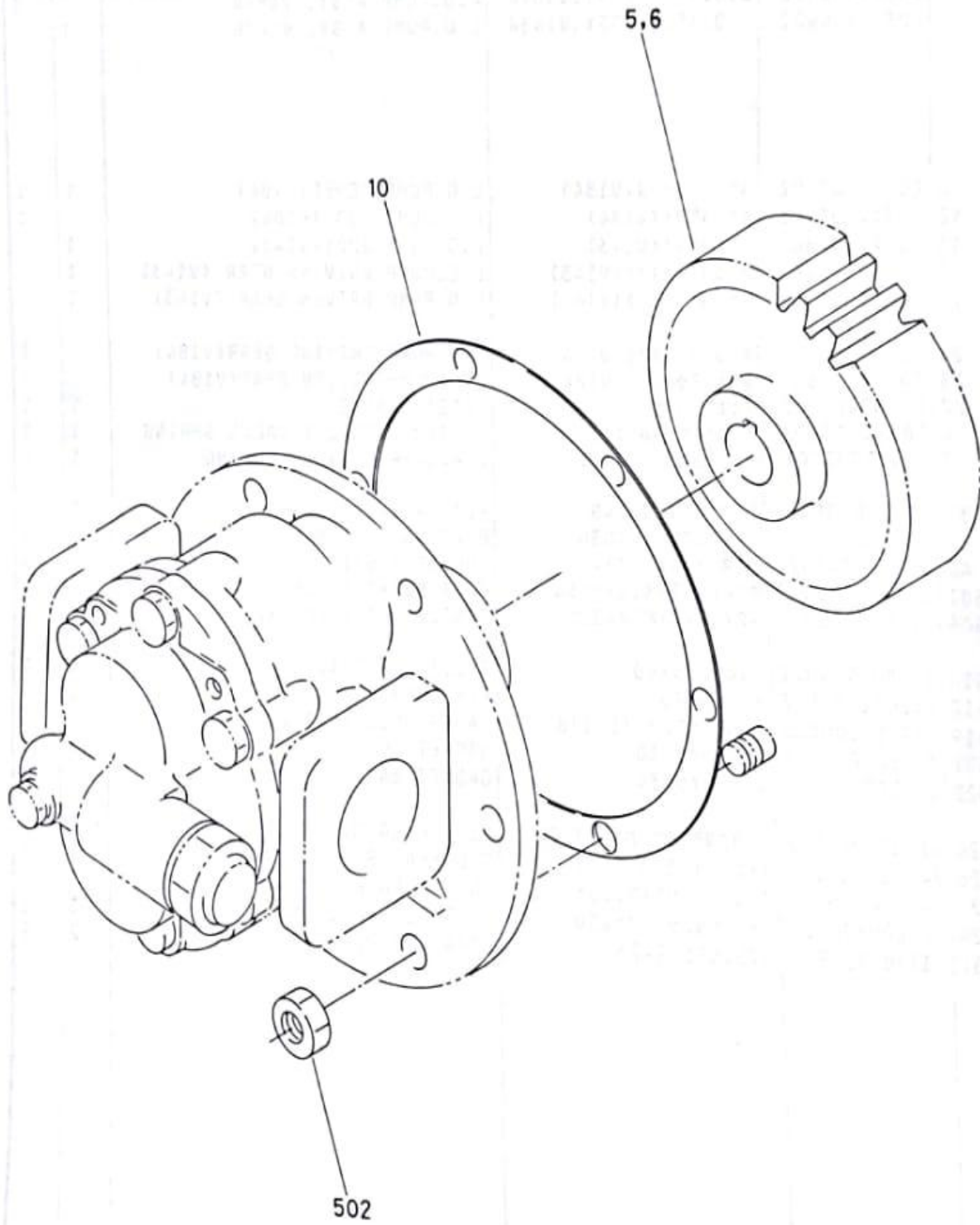
93-11

LUBRICATING OIL PUMP			TYPE DK - 20	SECTION 13 SHEET 71
No.	Parts No.	Name Of Parts	Quantity	
	C034790070Z	L.O. PUMP ASSY. V184R		
	C034790090Z	L.O. PUMP ASSY. V143R		
6	C034700060Z	L.O. PUMP COBER (V184)		
12	C034700120Z	L.O. PUMP BODY (V184)		
13	C034700130Z	L.O. PUMP BODY (V143)		
22	C034700220Z	L.O. PUMP DRIVING GEAR (V143)		
23	C034700230Z	L.O. PUMP DRIVEN GEAR (V143)		
24	C034700240Z	L.O. PUMP DRIVING GEAR (V184)		
25	C034700250Z	L.O. PUMP DRIVEN GEAR (V184)		
27	C036340240Z	SAFETY VALVE		
29	C036340260Z	RETAINER, SAFETY VALVE SPRING		
30	G003100370Z	CAP, SAFETY VALVE SPRING		
37	G003100390Z	FLAT WASHER 23X45		
42	E170500470Z	BEARING - LM4030		
46	C034700460Z	SPRING 3.5X18X64		
501	X200012030ZZ	BOLT M12X1 . 75X30		
506	X225122000ZZ	CASTLE NUT (1) M22X2.5		
510	Z320005040ZZ	SPLIT PIN 5X40		
512	Z400010025ZZ	KEY 10X25		
519	Z571501000ZZ	TAPER PLUG (5) 1/8		
521	Z665010000ZZ	GASKET 10		
522	Z665034000ZZ	GASKET 34		
524	X670010000ZZ	HEX. PLUG M10X1.25		
526	Z461355511SC	OIL SEAL SC355511		
527	Z412005500ZZ	SNAP RING (HOLE) 55		
529	Z412005000ZZ	SNAP RING (HOLE) 50		
531	Z335008025ZZ	STRAIGHT PIN 8X25		

DAIHATSUSECTION
14

TYPE

LUBRICATING OIL PUMP FITTING

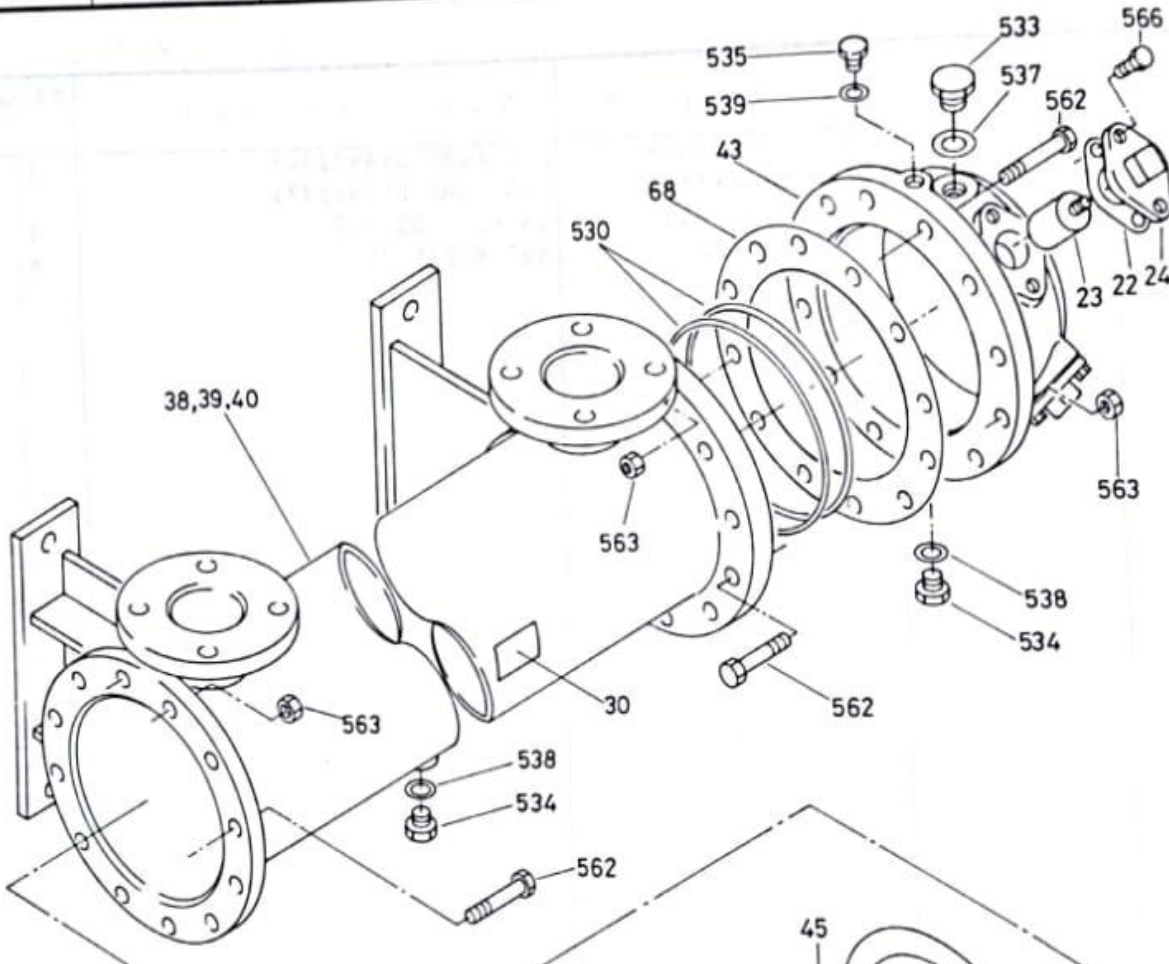


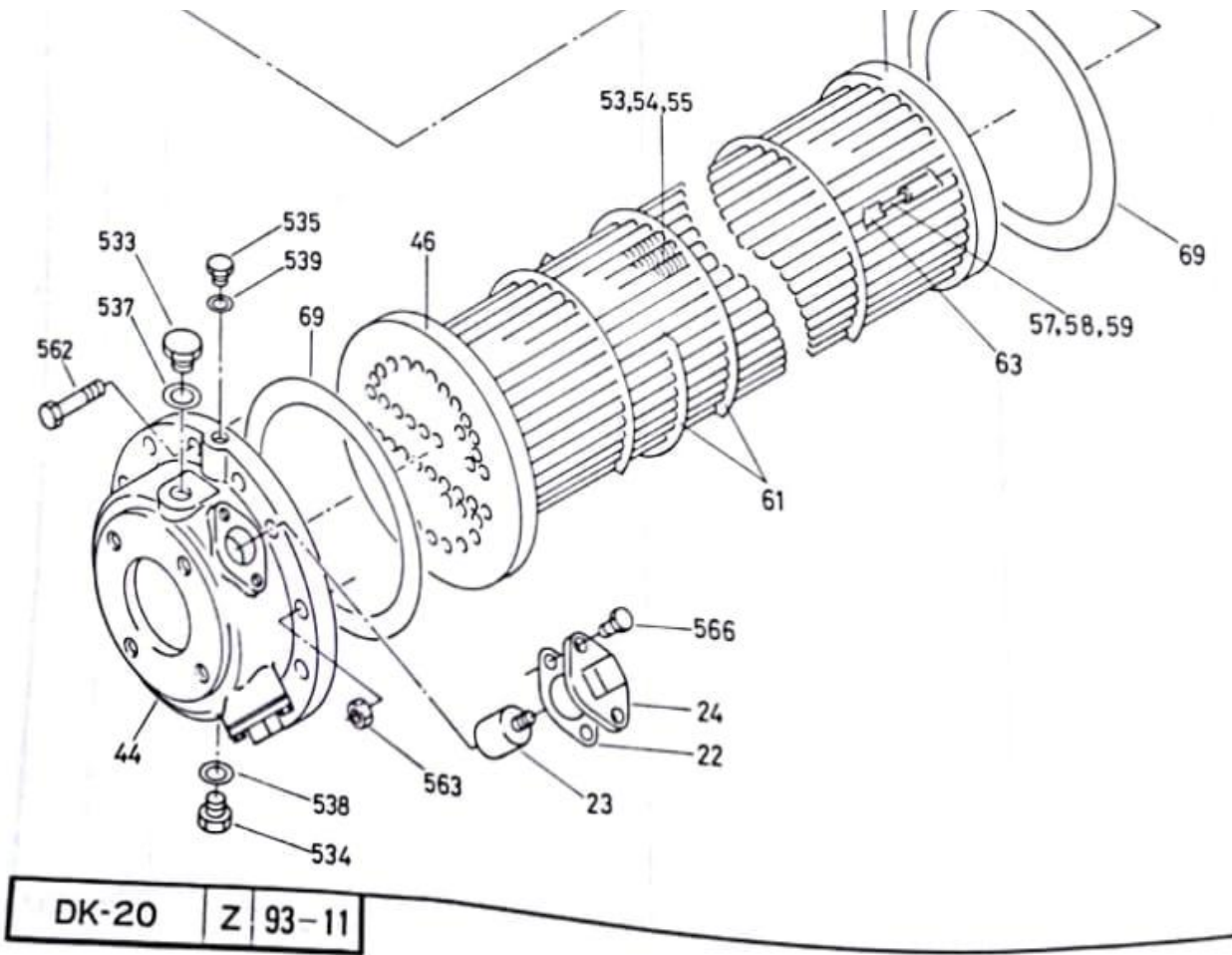
DK-20	Z	93-11
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LUBRICATING OIL PUMP FITTING			TYPE	SECTION 13
No.	Parts No.	Name Of Parts	DK - 20	SHEET 81
5	E210550050Z	L.O PUMP GEAR (Z34)		
6	E210550060Z	L.O PUMP GEAR (Z37)		
10	E203150130Z	GASKET 205 / 265		
502	X220012000ZZ	NUT M12X1.75		

DAIHATSU

SECTION 14		TYPE	LUBRICATING OIL COOLER (8M ² , 12M ² , 16M ²)
SHEET 90		DK-20	潤滑油冷却器 (8M ² , 12M ² , 16M ²)





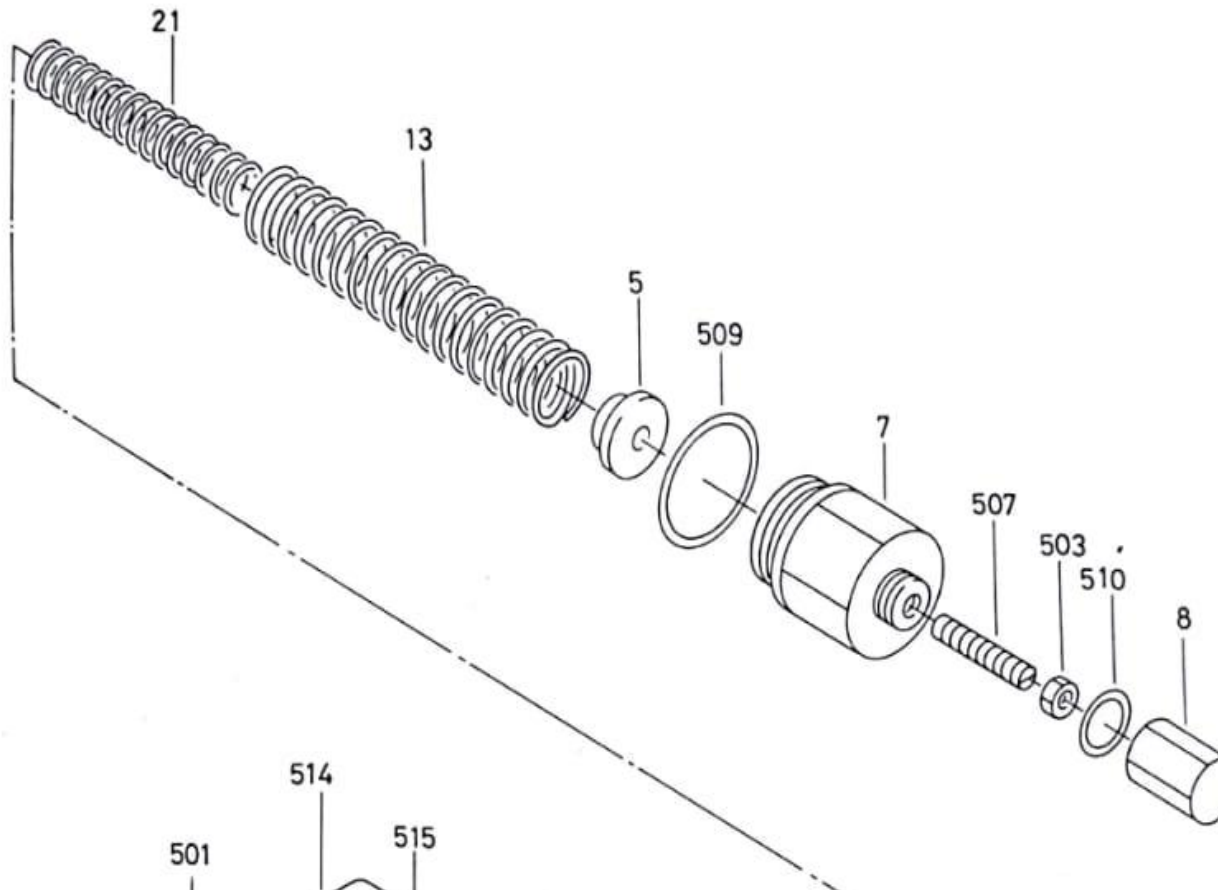
LUBRICATING OIL COOLER (8M2, 12M2)			TYPE DK - 20	SECTION 13
				SHEET 91
No.	Parts No.	Name Of Parts	Quantity	
	C037190120Z	OIL COOLER (F - 12) ASSY		
	C037190140Z	OIL COOLER (F - 8) ASSY		
22	C037400320Z	PACKING, ZINC PROTECTOR		
23	C045170020Z	PROTECTIVE ZINC (10) 33XM10		
24	C037110240Z	FLANGE, PROTECTIVE ZINC		
30	C052570340Z	NAME PLATE		
39	C037170390Z	CASING - F12		
40	C037170400Z	CASING - F8		
43	C037110430Z	SIDE COVER - (1)		
44	C037110440Z	SIDE COVER - (2)		
45	C037170450Z	TUBE PLATE (1)		
46	C037170460Z	TUBE PLATE (2)		
54	C037170540Z	LOWFIN TUBE - F12		

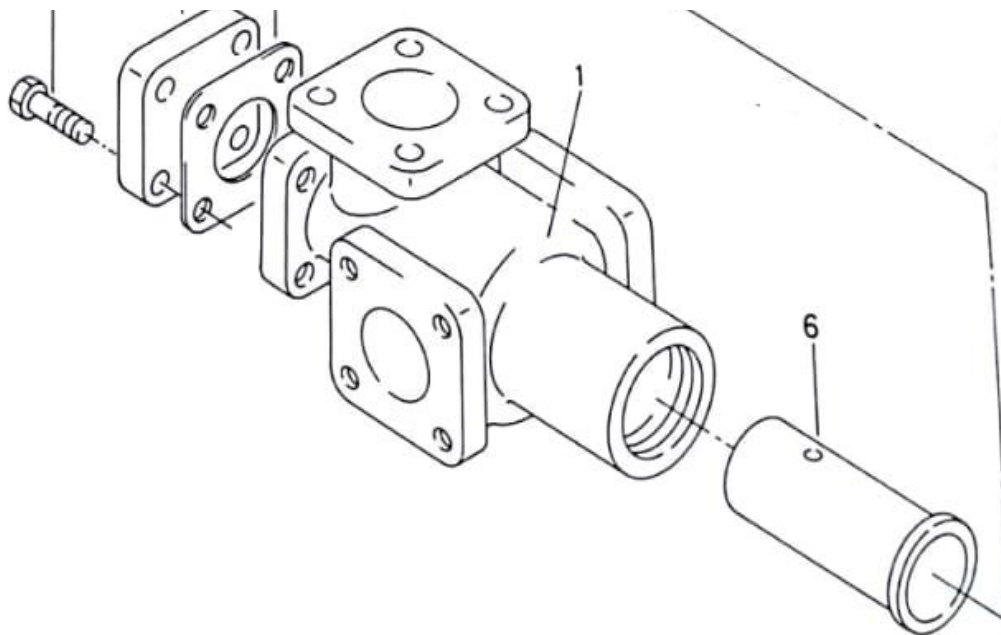
55	C037170550Z	LOWFIN TUBE - F8	
58	C037140580Z	STAY BOLT - F12	
59	C037140590Z	STAY BOLT - F8	
61	C037170610Z	BAFFLE PLATE	
63	C037170630Z	SPACER - F16	
68	C037170680Z	GASKET, TUBE PLATE (1)	
69	C037170690Z	GASKET, TUBE PLATE (2)	
530	Z560220057ZZ	O RING G200	
533	X570004000ZZ	HEX PLUG 1/2	
534	X570003000ZZ	HEX. PLUG 3/8	
535	X570002000ZZ	HEX. PLUG 1/4	
537	Z565002100ZZ	GASKET 21	
538	Z565001700ZZ	GASKET 17	
539	Z565001300ZZ	GASKET 13	
562	X200012080ZZ	BOLT M12X1 . 75X80	
563	X220012000ZZ	NUT M12X1.75	
566	X200010030ZZ	BOLT M10X1 . 5X30	
LUBRICATING OIL COOLER (16M2)			TYPE
			DK - 20
			SECTION 13
			SHEET 92
No.	Parts No.	Name Of Parts	Quantity
	C037190100Z	OIL COOLER (F - 16) ASSY	
22	C037400320Z	PACKING, ZINC PROTECTOR	
23	C045170020Z	PROTECTIVE ZINC (10) 33XM10	
24	C037110240Z	FLANGE, PROTECTIVE ZINC	
30	C052570340Z	NAME PLATE	
38	C037170380Z	SHELL F16	
43	C037110430Z	SIDE COVER - (1)	
44	C037110440Z	SIDE COVER - (2)	
45	C037170450Z	TUBE PLATE (1)	
46	C037170460Z	TUBE PLATE (2)	
53	C037170530Z	LOW FIN TUBE - F16	
57	C037140570Z	STAY BOLT - F16	
61	C037170610Z	BAFFLE PLATE	
63	C037170630Z	SPACER - F16	
68	C037170680Z	GASKET, TUBE PLATE (1)	
69	C037170690Z	GASKET, TUBE PLATE (2)	

530	Z560220057ZZ	O RING G200	
533	X570004000ZZ	HEX. PLUG 1/2	
534	X570003000ZZ	HEX. PLUG 3/8	
535	X570002000ZZ	HEX. PLUG 1/4	
537	Z565002100ZZ	GASKET 21	
538	Z565001700ZZ	GASKET 17	
539	Z565001300ZZ	GASKET 13	
562	X200012080ZZ	BOLT M12X1 . 75X80	
563	X220012000ZZ	NUT M12X1.75	
566	X200010030ZZ	BOLT M10X1 . 5X30	

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SECTION 14	TYPE DK-20	LUBRICATING OIL RELIEF VALVE 潤滑油調圧弁
SHEET 100		





DK-20

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LUBRICATING OIL RELIEF VALVE			TYPE DK - 20	SECTION 13 SHEET 101
No.	Parts No.	Name Of Parts	Quantity	
	C037590050A	OIL RELIEF VALVE ASSY.		
1	C037510010Z	RELIEF VALVE BODY #1		
5	C037540050Z	RETAINER, VALVE SPRING		
6	C037540060Z	VALVE		
7	C037540070Z	VALVE SPRING CASE		
8	C037540080Z	CAP		
13	C037570151A	SPRING 5.5X36 . 5X209		
21	C037570201Z	SPRING 4.0X25 . 5X170		
501	X200012030ZZ	BOLT M12X1 . 75X30		
503	X222312000ZZ	NUT (3) M12		
507	X251512070ZZ	SET SCREW (5) M12X1 . 25X70		
509	Z565006100ZZ	GASKET 61		
510	Z565002700ZZ	GASKET 27		
514	Z540200054ZZ	FLANGE (2) 0X54		
515	Z541204054AZ	GASKET (2) 40X54		

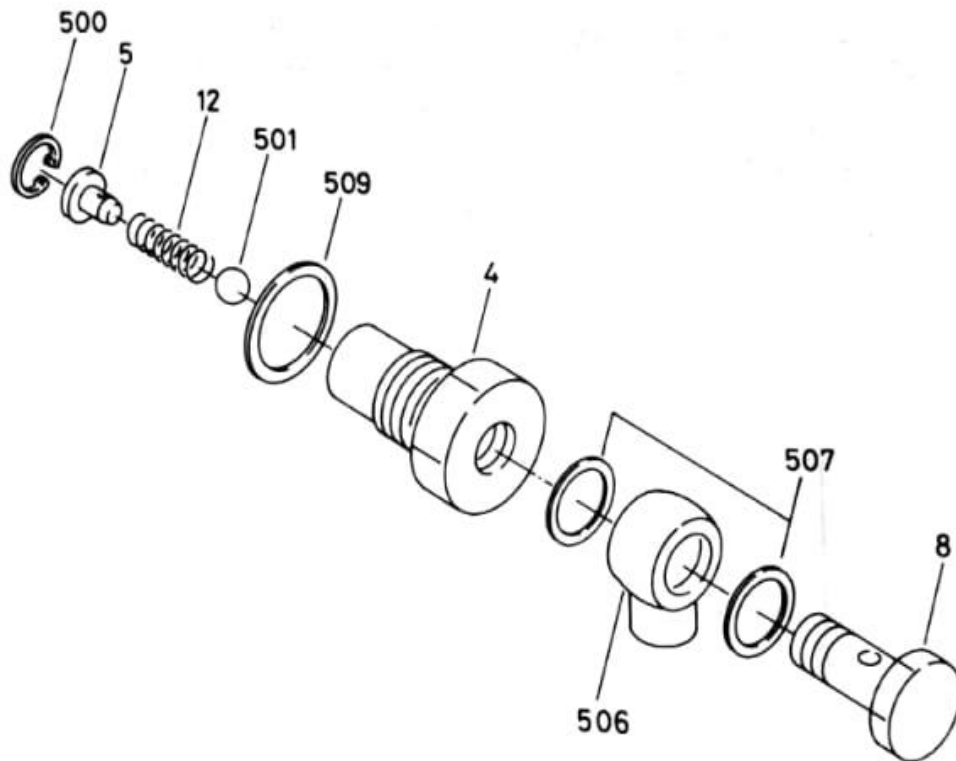
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SECTION
14

TYPE
DK-20

ROCKERARM LUBRICATING OIL RELIEF VALVE

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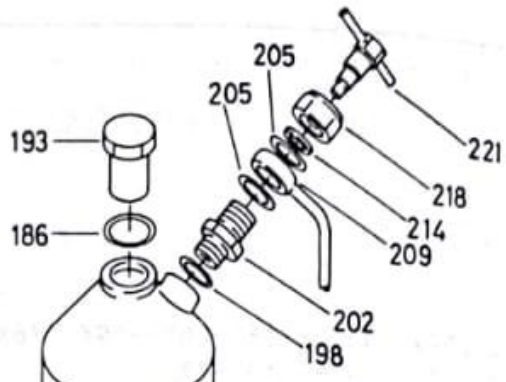


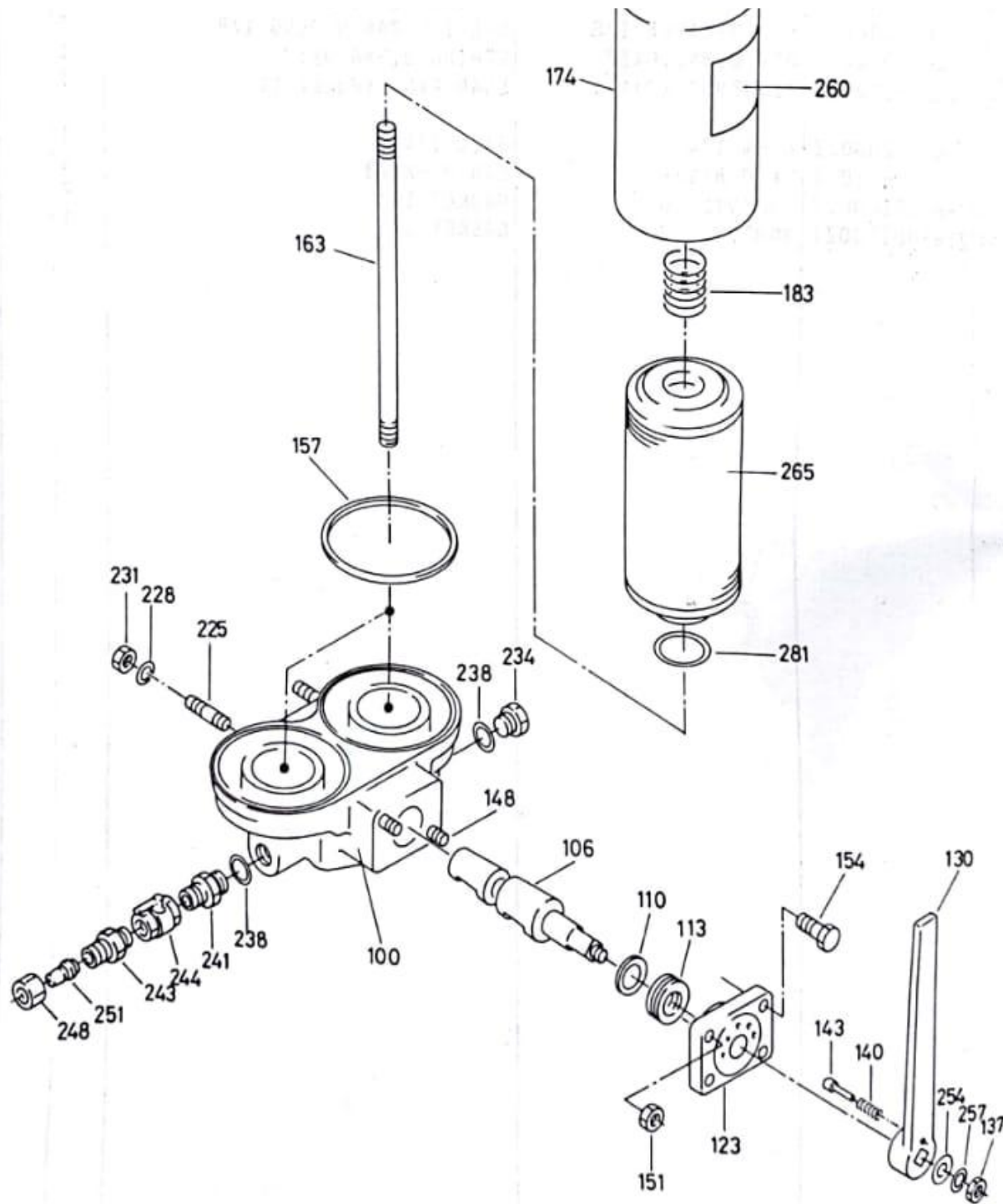
DK-20 | **Z** | **93-11**

ROCKERARM LUBRICATING OIL RELIEF VALVE			TYPE DK - 20	SECTION 13 SHEET 111
No.	Parts No.	Name Of Parts	Quantity	
	C049309070Z	CHECK VALVE ASSY.		
4	C049340040Z	BODY, CHECK VALVE 3/8X1/8		
5	C049300050A	SPRING RETAINER		
8	C049340080Z	SPECIAL BANJO PLUG 1/8		
12	C049300120Z	SPRING 0.5X6 . 0X17		
500	Z412001100ZZ	SNAP RING (HOLE) 11		
501	Z445002000ZZ	BALL 1/4		
506	Z545108010ZZ	BANJO 8X1/8		
507	Z565001000ZZ	GASKET 10		
509	Z565001700ZZ	GASKET 17		

DAIHATSU

SECTION 14	TYPE DK-20	LUBRICATING OIL FILTER 潤滑油 濾器
SHEET 120		





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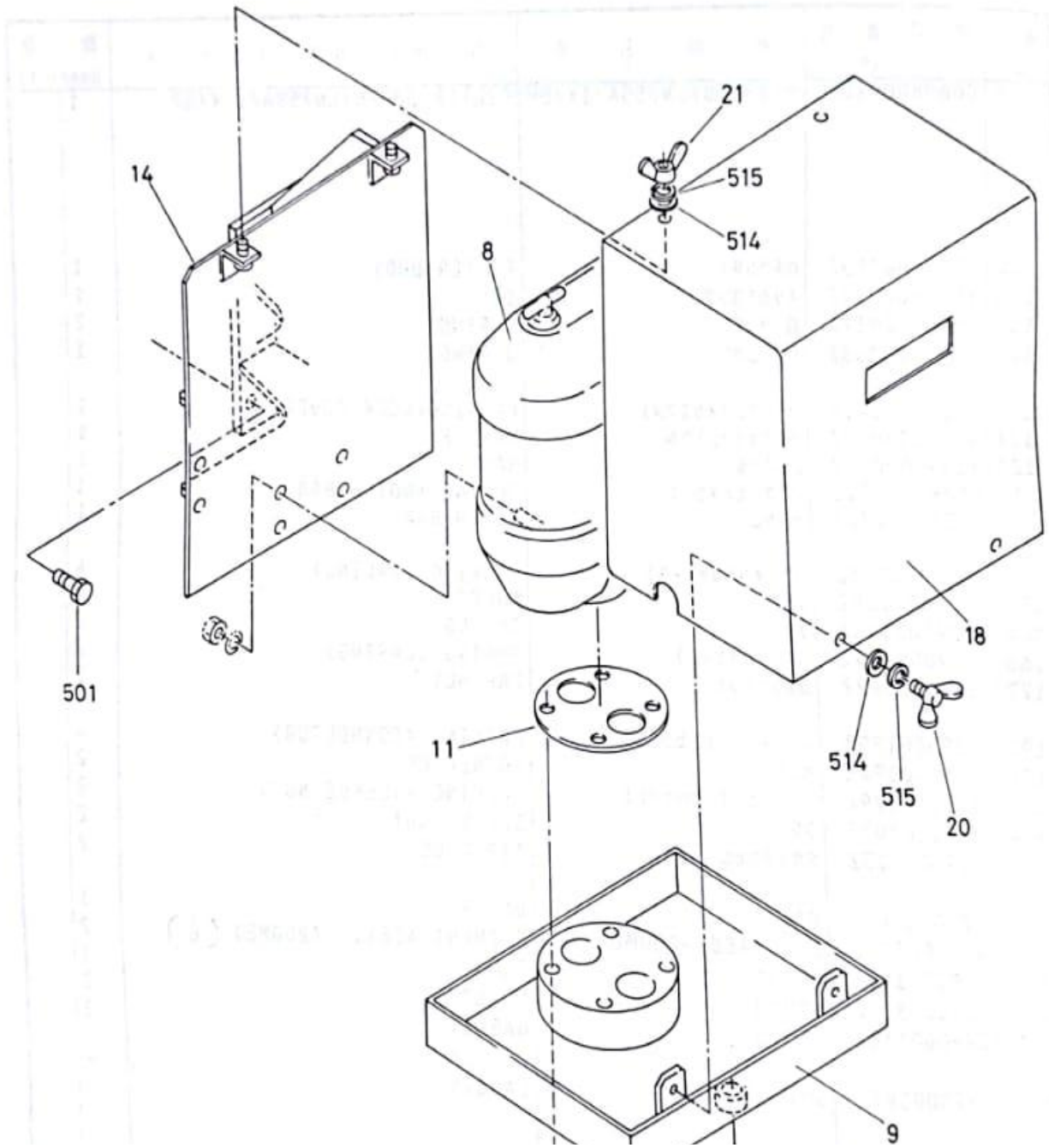
LUBRICANT OIL FILTER			TYPE DK - 20	SECTION 13 SHEET 121
No.	Parts No.	Name Of Parts	Quantity	
2	C060600011Z	FILTER 32XPD3L / 1 - X / HKZ		
100	Y529000003Z	FILTER BODY		

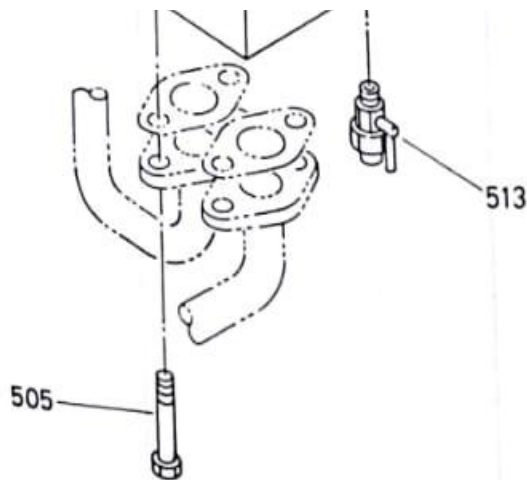
106	Y529000013Z	COCK	
110	Y529000023Z	PACKING SEAT	
113	Y529000032Z	PACKING (COCK)	
123	Y529000045Z	COCK COVER	
130	Y529000055Z	HANDLE	
137	Y529000064Z	NUT (HANDLE)	
140	Y529000071Z	SPRING (NOTCH BAR)	
143	Y529000078Z	NOTCH BAR	
148	Y529000085Z	STUD (COVER)	
151	Y529000092Z	NUT (COVER)	
154	Y529000098Z	BOLT (COVER)	
157	Y529000107Z	PACKING (CASING)	
163	Y529000118Z	SHAFT	
174	Y529000137Z	CASING	
183	Y529000149Z	SPRING (CASING)	
186	Y529000155Z	PACKING (CAP NUT)	
193	Y529000163Z	CAP NUT	
198	Y529000178Z	PACKING (VALVE SEAT)	
202	Y529000184Z	VALVE SEAT	
205	Y529000189Z	PACKING (CONNECTOR)	
209	Y529000194Z	CONNECTOR	
214	Y529000200Z	PACKING (SLEEVE NUT)	
218	Y529000207Z	SLEEVE NUT	
221	Y529000211Z	AIR PLUG	
225	Y529000217Z	STUD	
228	Y529000224Z	SPRING WASHER	
231	Y529000229Z	NUT	
234	Y529000234Z	PLUG	
238	Y529000239Z	PACKING	
241	Y529000243Z	NIPPLE	
243	Y529000258Z	CONNECTOR	
244	Y529000249Z	VALVE	
248	Y529000251Z	SLEEVE NUT	
251	Y529000256Z	SLEEVE	
254	Y529000261Z	WASHER (HANDLE)	
257	Y529000268Z	SPRING WASHER (HANDLE)	

260	Y529000273Z	NAME PLATE	
265	Y529000287Z	ELEMENT ASSY. (200ME)	
281	Y529000308Z	PACKING	

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SECTION 14	TYPE	FUEL OIL FILTER FITTING
SHEET 50	DK-20	燃料濾器取付



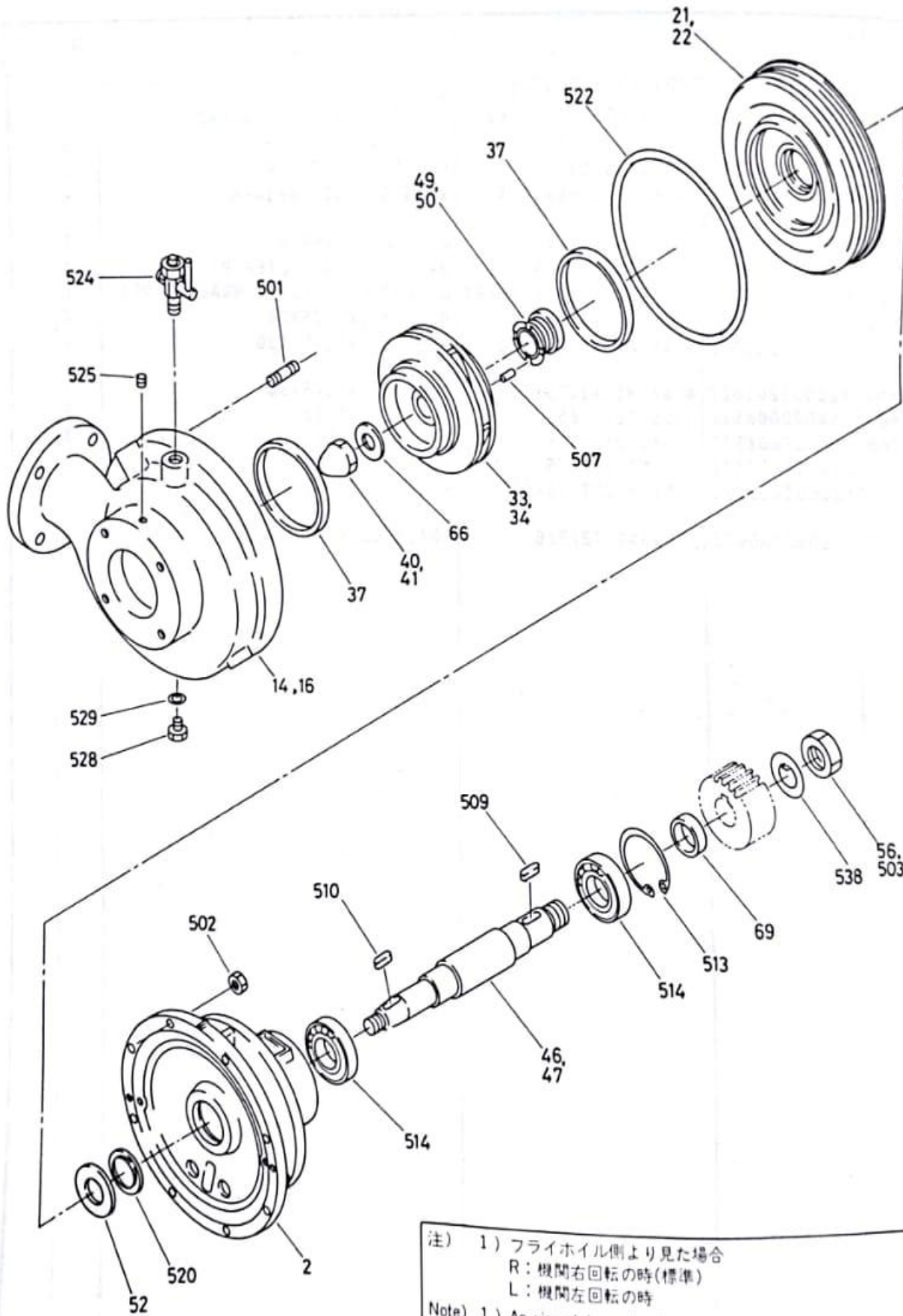


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LUBRICATING OIL FILTER FITTING			TYPE DK - 20	SECTION 13 SHEET 131
No.	Parts No.	Name Of Parts	Quantity	
3	A245012230Z	BLOCK, L.O. FILTER 32X		
5	C060600011Z	FILTER 32XPD3L / 1 - X / HKZ		
9	E214150090B	SAUCER, L.O. FILTER		
18	E214150180A	COVER, L.O. FILTER		
20	E214350200Z	WING BOLT (1) M8X14 - A		
21	E214350210Z	WING NUT (1) M8X14 - A		
23	E214150230Z	BRACKET, L.O FILTER (RT)		
24	E214150240Z	GASKET, L.O FILTER BRACKET (RT)		
502	X200012075ZZ	BOLT M12X1 . 75X75		
503	X200012130ZZ	BOLT M12X1 . 75X130		
504	X200012030ZZ	BOLT M12X1 . 75X30		
507	Z540200065ZZ	FLANGE (2) 0X65		
508	Z541206065ZZ	GASKET (2) 60X65		
509	Z541104275ZZ	GASKET (1) 42X75		
510	X200012030ZZ	BOLT M12X1 . 75X30		
515	Z580203000ZZ	DRAIN COCK 92) 3/8		

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SECTION 14	TYPE DK-20	COOLING WATER PUMP-70A
SHEET 140		冷却水ポンプ - 70A



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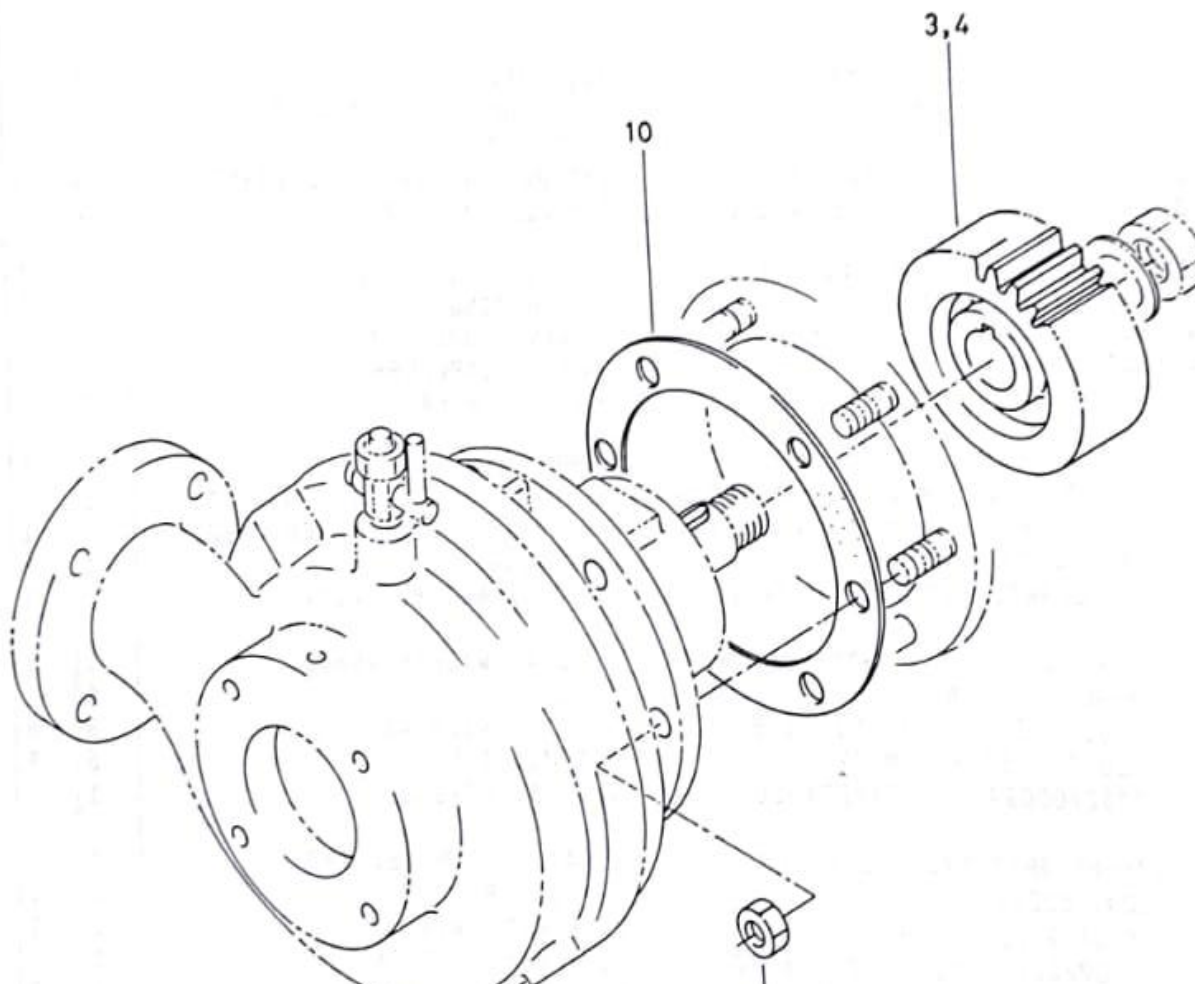
from the flywheel:
 R : When the engine rotates in clockwise direction (standard)
 L : When the engine rotates in counterclockwise direction

COOLING WATER PUMP - 70A			TYPE DK - 20	SECTION 13 SHEET 141
No.	Parts No.	Name Of Parts	Quantity	
	C038809210A	C.W.. PUMP ASSY. FC70AR - 170		
	C038809220A	C.W.. PUMP ASSY. FC70AL - 170		
2	C038800020A	BEARING CASE		
14	C038800131Z	PUMP BODY (2) 70A - R - FC		
16	C038800151Z	PUMP BODY (2) 70A - L - FC		
21	C038800201A	MECHANICAL SEAL HOLDER - FC		
	C038800330Z	IMPELLER (R) - 170		
34	C038800340Z	IMPELLER (L) - 170		
37	C038420180Z	MOUTH RING		
40	C038800400Z	NUT (R), INPELLER		
41	C038800410Z	NUT (L), INPELLER		
46	C038800460A	PUMP SHAFT - R		
47	C038800470A	PUMP SHAFT - L		
49	C038470350A	MECHANICAL SEAL EA100305 - 21		
50	C038470360A	MECHANICAL SEAL EA100306 - 22		
52	C038800520Z	CUT RING		
56	C038800560Z	SPECIAL NUT M27X2.0 (L)		
66	C038800660Z	SPECIAL WASHER 19X42		
69	C038800690Z	COLOR - 35		
501	X210010043ZZ	STUD M10X1 . 5X43		
502	X220010000ZZ	NUT M10X1.5		
503	X220527000ZZ	NUT (5) M27X2.0		
507	Z335603008JZ	STRAIGHT PIN (6) 3X8		
509	Z400010028ZZ	KEY 10X28		
510	Z400004025DZ	SUNK KEY 7X25		
513	Z412007200ZZ	SNAP RING (HOLE) 72		
514	Z451162070ZZ	BEARING (1) 6207		
520	Z461355008TC	OIL SEAL TC355008		
522	Z560221057ZZ	O RING G210		
524	Z580203000ZZ	DRAIN COCK (2) 3/8		

525	Z571501000JZ	TAPER PLUG (5) 1/8	
528	Z570003000JZ	HEX. PLUG 3/8	
529	Z565001700ZZ	GASKET 17	
538	Z319128054ZZ	CLAW WASHER (1) 28x54	

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SECTION 14	TYPE DK-20	COOLING WATER PUMP FITTING 冷却水ポンプ取付
SHEET 150		



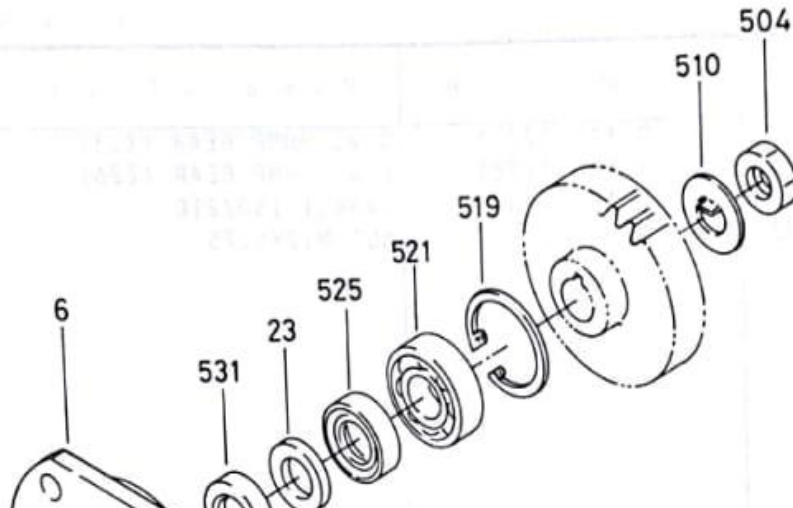
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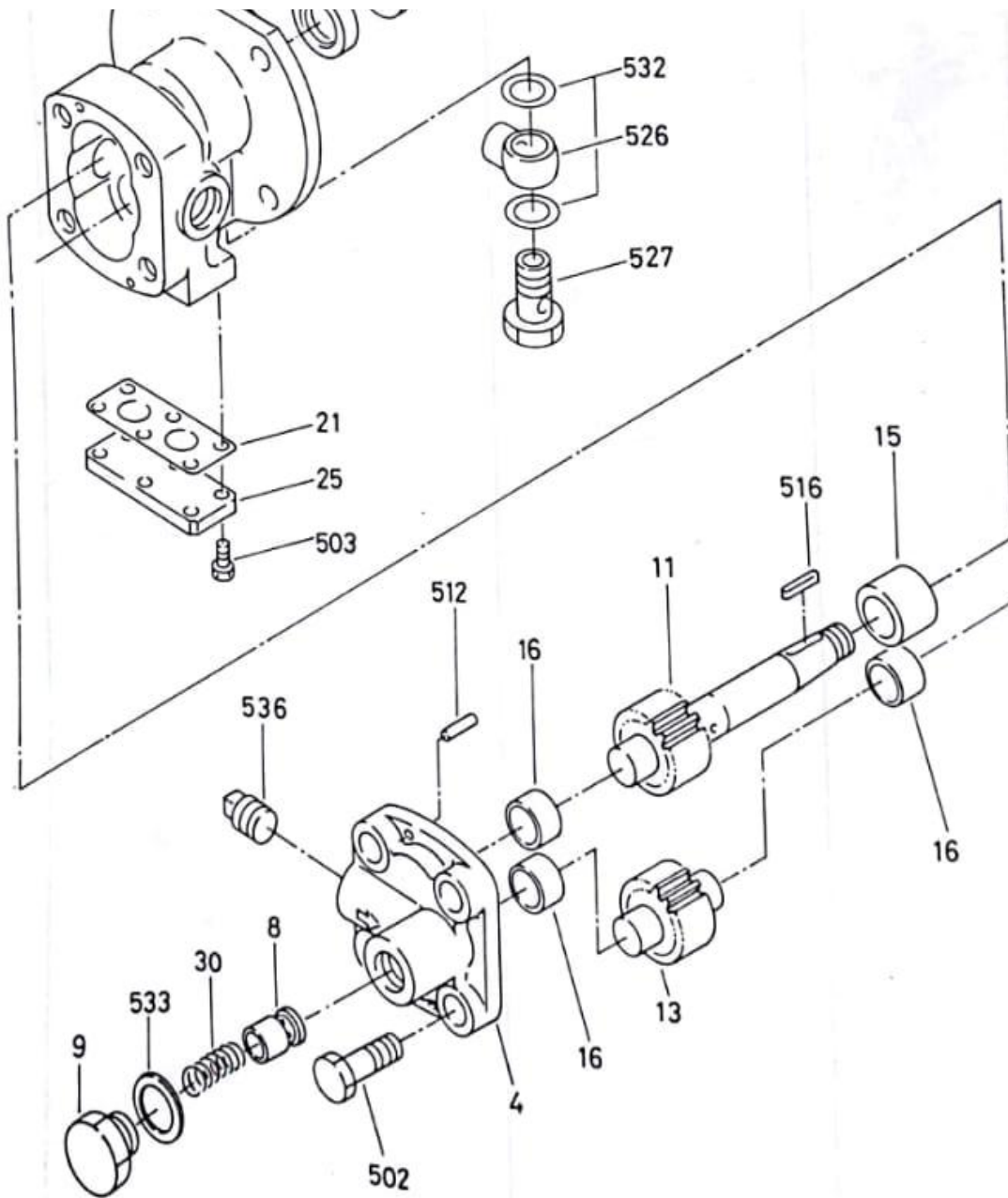
DK-20 | Z | 93-11

COOLING WATER PUMP FITTING			TYPE DK - 20	SECTION 13 SHEET 151
No.	Parts No.	Name Of Parts	Quantity	
3	E210150030Z	C.W. PUMP GEAR (Z23)		
4	E210150040Z	C.W. PUMP GEAR (Z26)		
10	E203150100Z	GASKET 150 / 210		
502	X220012000ZZ	NUT M12X1.75		

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SECTION 14	TYPE DK-20	NOZZLE COOLING OIL PUMP ノズル冷却油送油ポンプ
SHEET 160		





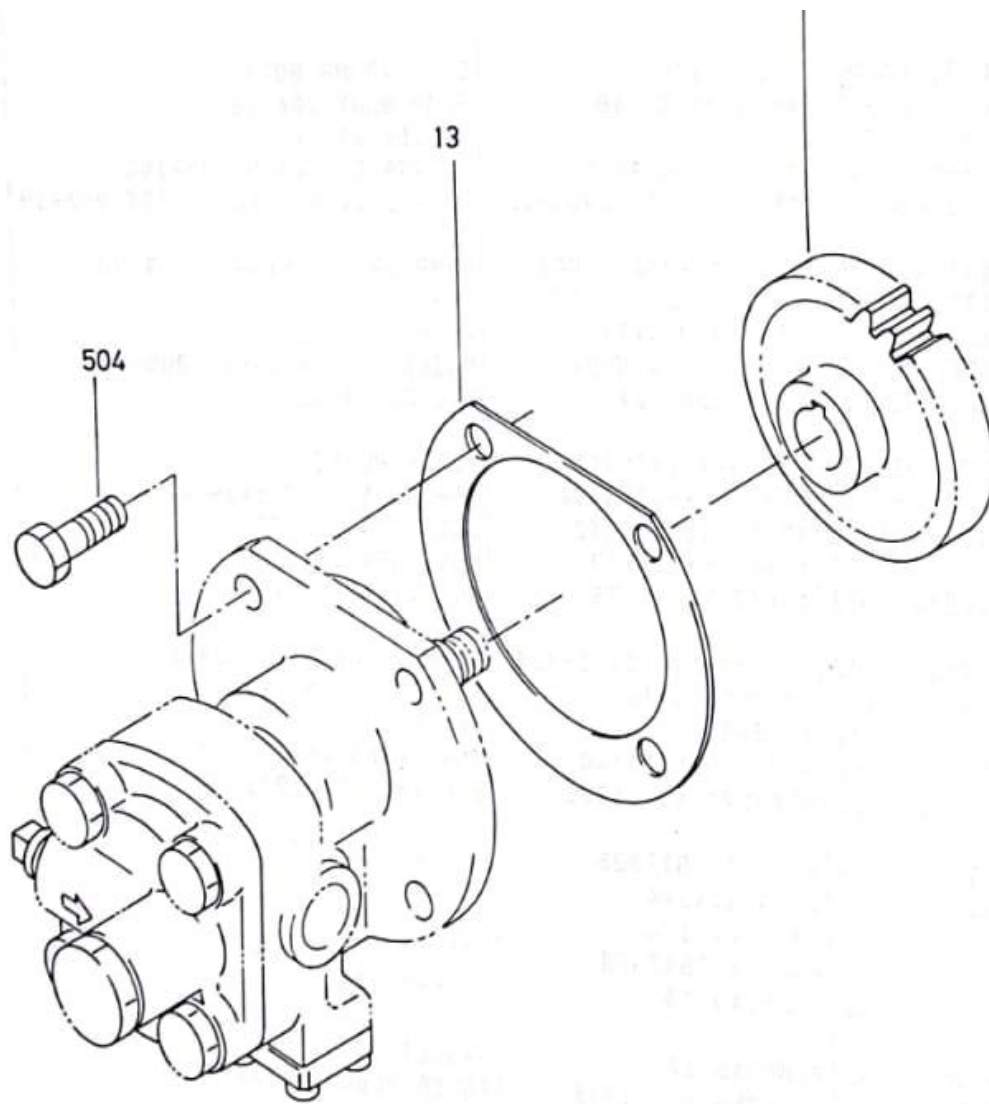
DK-20 | Z | 93-11

NOZZLE COOLING OIL PUMP			TYPE DK - 20	SECTION 13 SHEET 161
No.	Parts No.	Name Of Parts	Quantity	
	C033190080C	OIL PUMP ASSY V06L - 1B		
4	C033110040A	COVER, PUMP BODY		
6	C033110060A	PUMP BODY V06 - 1B		
8	C033140070A	RELIEF VALVE		
9	C033140080Z	CAP, SAFETY VALVE SPRING		

11	C033140090Z	PUMP DRIVING GEAR SHAFT V06 - 1B	
13	C033140110A	PUMP DRIVING GEAR SHAFT V06	
15	C033170130Z	PUMP BUSH (2) - 1B	
16	C033170140Z	PUMP BUSH (1)	
21	C033170190A	GASKET, CHECK VALVE BODY	
23	C033170220Z	OIL CUT RING (2)	
25	C033370200Z	BLANK PLATE	
30	C033179800Z	SPRING 1.6X8 . 5X39.4	
502	X200010032ZZ	BOLT M10X1 . 5X32	
503	X200005012ZZ	BOLT M5X0 . 8X12	
504	X220312000ZZ	NUT (3) M12X1.75	
510	Z319113028ZZ	CLAW WASHER (1) 13X28	
512	Z335004016ZZ	STRAIGHT PIN 4X16	
516	Z400005020ZZ	KEY 5X20	
519	Z412004000ZZ	SNAP RING (HOLE) 40	
521	Z451162030ZZ	BEARING (1) 6203	
525	Z461173208SB	OIL SEAL SB17328	
526	Z545110020ZZ	BANJO 10X1/4	
527	Z545202000ZZ	BANJO PLUG 1/4	
531	Z461173008TB	OIL SEAL TB17308	
532	Z565001300BZ	GASKET 13	
533	Z565001700BZ	GASKET 17	
536	Z571103000ZZ	TAPER PLUG (1) 3/8	

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SECTION 14	TYPE DK-20	NOZZLE COOLING OIL PUMP FITTING ノズル冷却油ポンプ取付
SHEET 170		



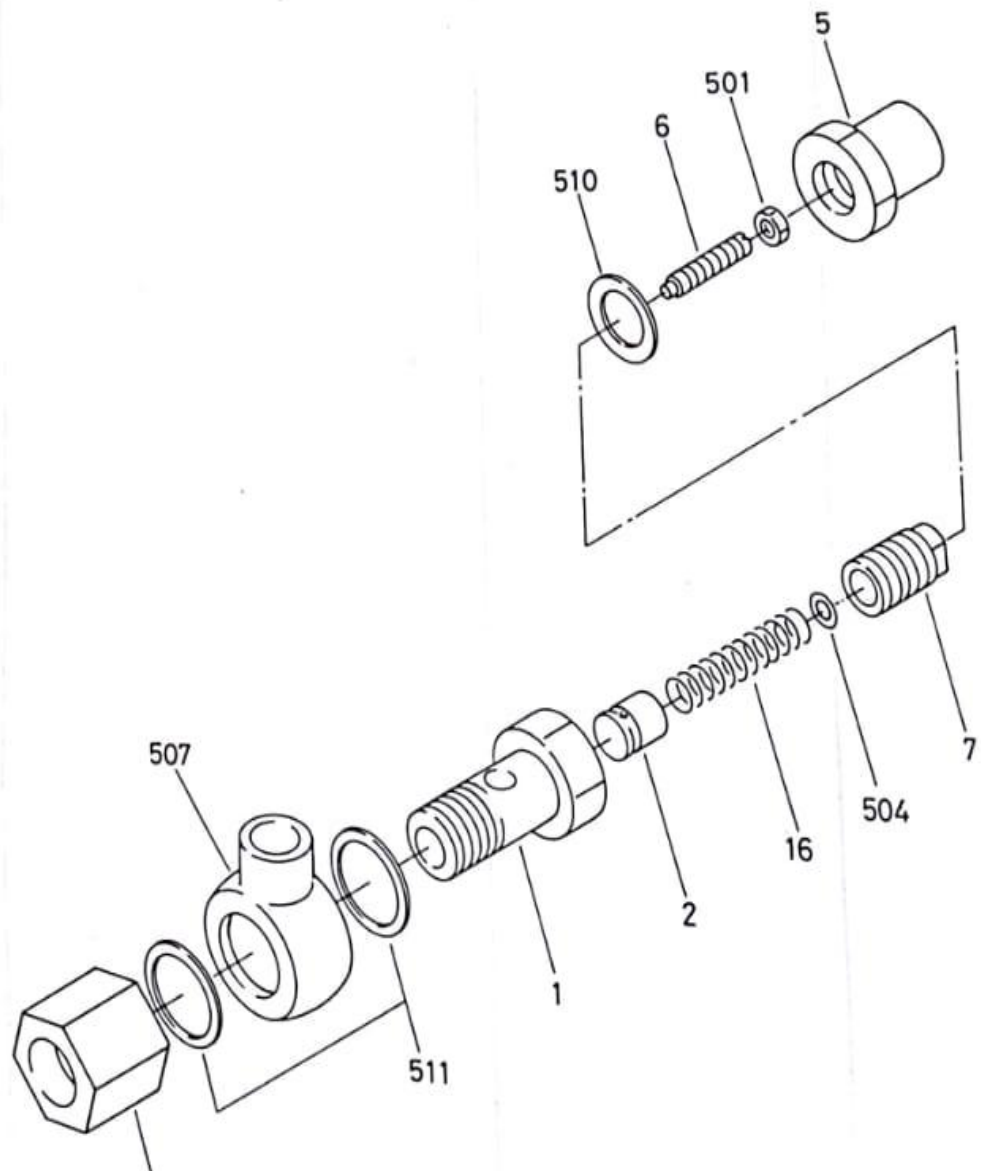
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NOZZLE COOLING OIL PUMP FITTING			TYPE	SECTION 13
			DK - 20	SHEET 171
No.	Parts No.	Name Of Parts	Quantity	
4	E230700040B	GEAR, OIL PUMP		

13	C270700100Z	GASKET, PUMP BODY	
504	X200008018ZZ	BOLT M8X1.25X18	

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SECTION 14	TYPE DK-20	NOZZLE COOLING OIL RELIEF VALVE
SHEET 180		ノズル冷却油調圧弁



DK-20

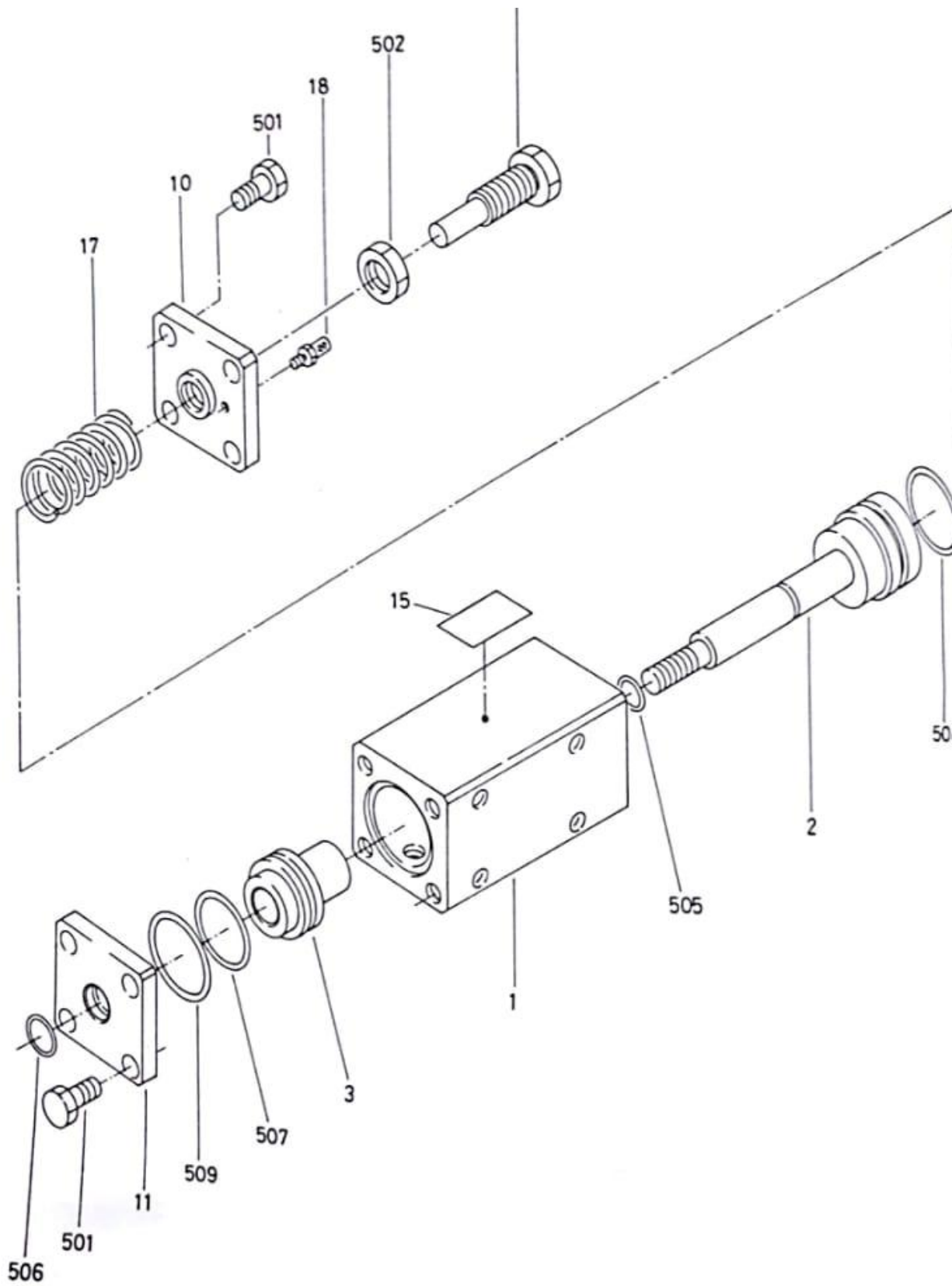
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NOZZLE COOLING OIL RELIEF VALVE			TYPE DK - 20	SECTION 13 SHEET 181
No.	Parts No.	Name Of Parts	Quantity	
	C033990010B	OIL RELIEF VALVE ASSY.		
1	C033940010Z	RELIEF VALVE BODY		
2	C033140070A	RELIEF VALVE		
3	C033940030Z	SPECIAL WELDING SEAT 1/2X22		
5	C033940050Z	CAP NUT 3/8		
6	C033940060Z	ADJUSTING SCREW		
7	C033940070Z	SPRING CASE		
16	C033970151Z	SPRING 1.2X9 . 0X38		
501	X220306000ZZ	NUT (3) M6X1.0		
504	Z300004000ZZ	FLAT WASHER 4		
507	Z545122040ZZ	BANJO 22X1/2		
510	Z565001700BZ	GASKET 17		
511	Z565002100BZ	GASKET 21		

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SECTION 14	TYPE DK-20	FUEL OIL SHUTDOWN & FUEL OIL CONTROL PISTON DEVICE 燃料遮断・抑制装置
SHEET 200		



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FUEL OIL SHUTDOWN FUEL OIL CONTROL PISTON DEVICE			TYPE DK - 20	SECTION 13 SHEET 201
No.	Parts No.	Name Of Parts	Quantity	
	S107809010Z	FUEL SHUTDOWN DEVICE G1		
1	S107800010Z	CYLINDER		
2	S107800020Z	SHUTDOWN PISTON		
3	S107800030Z	CONTROL PISTON		
6	S107900060Z	ADJUST BOLT		
10	S107800100Z	COVER - 1		
11	S107800110Z	COVER - 2		
15	A226570160Z	LABEL, FUEL SHUTDOWN DEVICE		
17	S107800170Z	MAIN SPRING 3.2X28X85		
18	S107900180Z	AIR FILTER SL - M5		
501	X200010020ZZ	BOLT M10X1 . 5X20		
502	X230303000ZZ	SPECIAL NUT (3) 3/8		
505	Z560101424ZZ	O RING P14		
506	Z560101824ZZ	O RING P18		
507	Z560103635ZZ	O RING P36		
508	Z560103935ZZ	O RING P39		
509	Z560204531ZZ	O RING G45		

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