

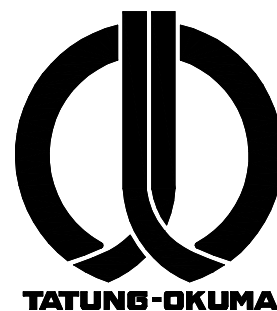
CNC LATHE

E-SERIES BY
OKUMA

ES-L10

PARTS BOOK (1st Edition)

Pub. No. TL9E15-U001-R1 Feb. 2001



PARTS BOOK

This parts book has been prepared to assist you in ordering replacements and servicing parts for the L390,ES-L10 CNC Lathe.

Due to constant improvements in design, you may find slight variations from the machine delivered to you. This merely indicates that equipment improvements have been made to meet your requirements.

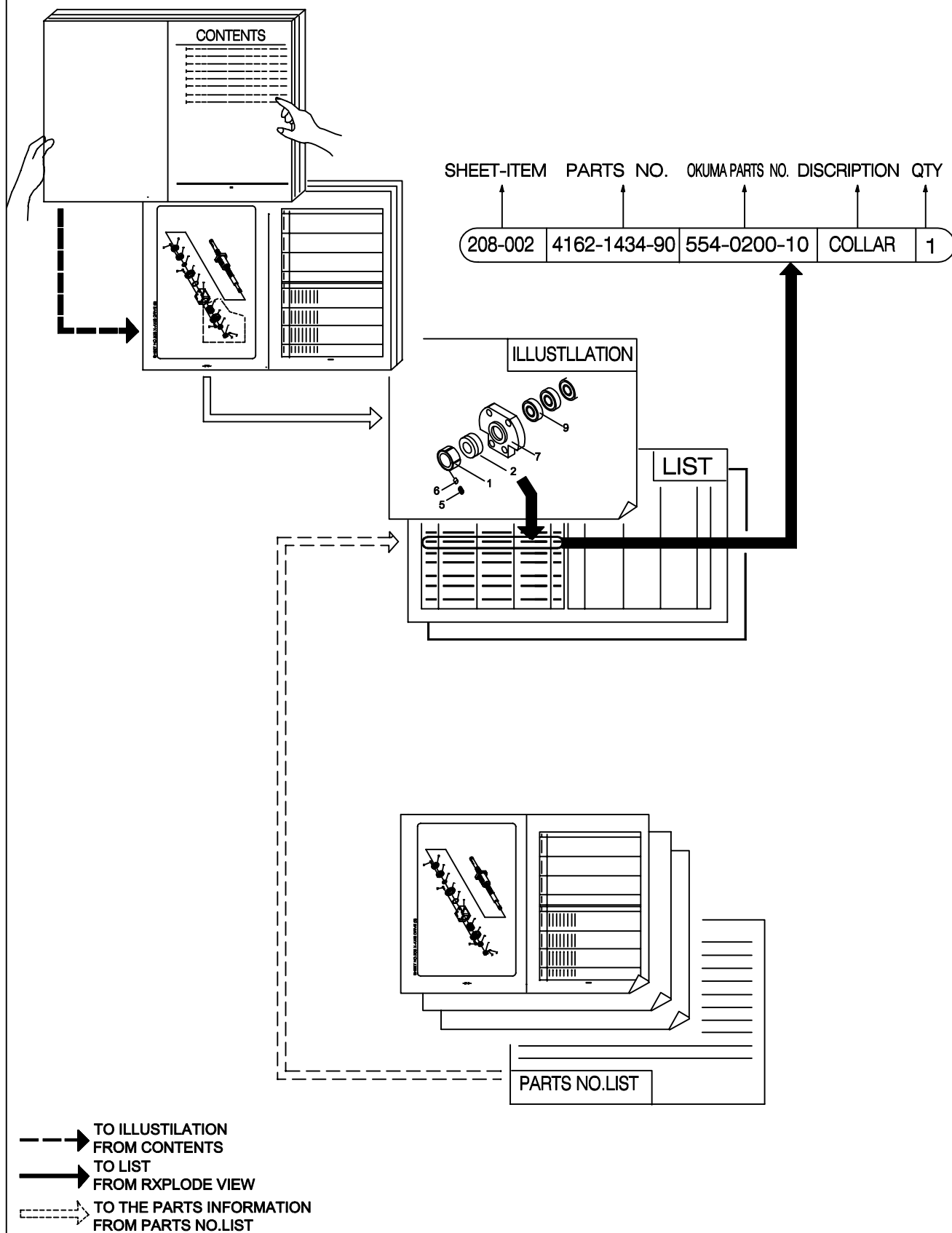
ORDERING REPAIR PARTS

In order to obtain smooth and rapid service when ordering repair parts, please give careful attention to the following five instructions.

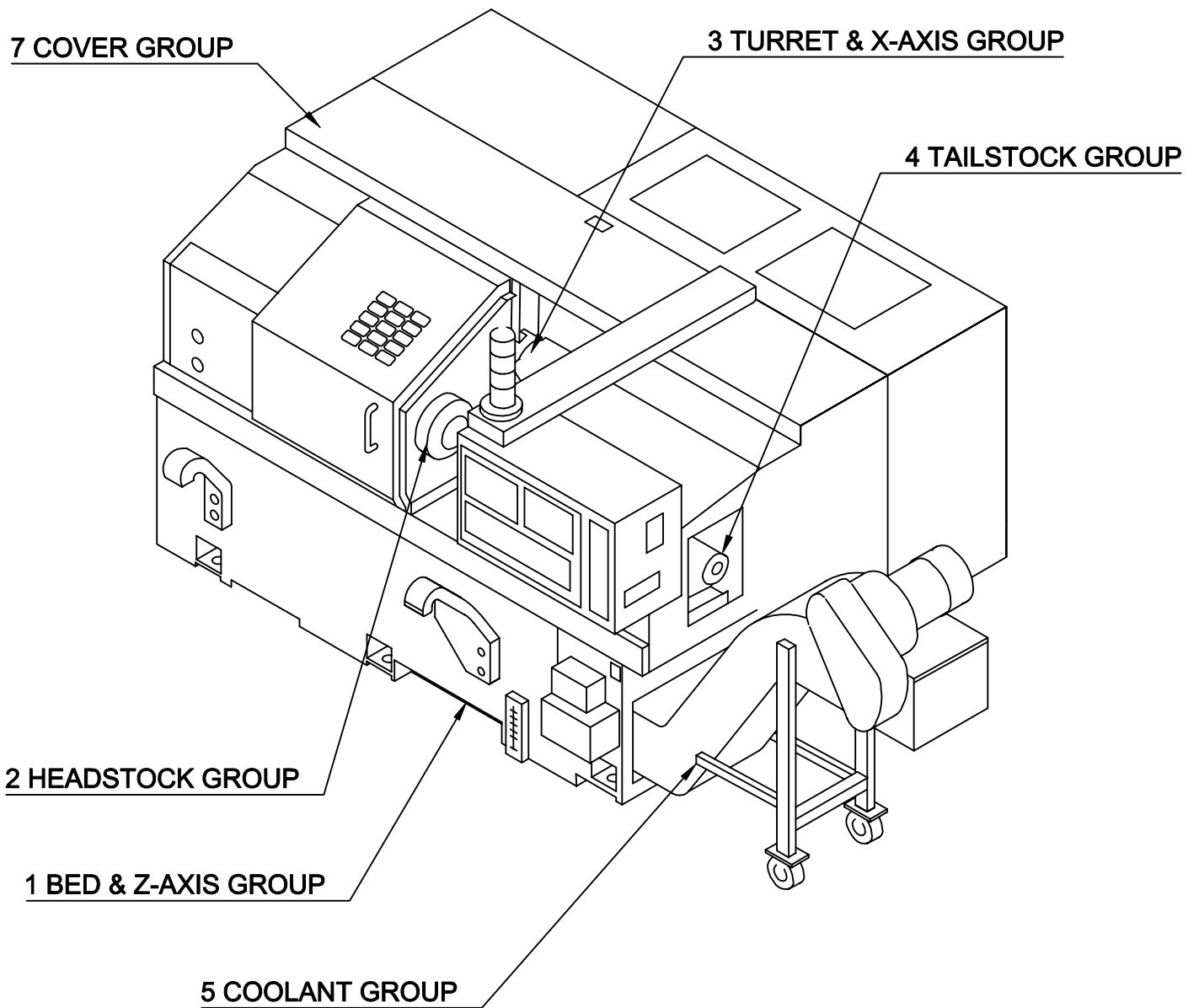
These FIVE requirements are essential:

1. GIVE COMPLETE SIZE, TYPE OF MACHINE AND NC SYSTEM.
EX: ES-L10 WITH U10L.
2. GIVE COMPLETE SERIAL NUMBER OF MACHINE.
This serial number will be found stamped on the Manufacture's nameplate attached to the machine.
3. GIVE PARTS BOOK PUBLICATION NO., PARTS BOOK SHEET NO.,
INDEX NO., PART NO. AND PART NAME (DESCRIPTION).
4. FOR ELECTRICALS, SPECIFY POWER VOLTAGE, FREQUENCY, RATING,
BRAND NAME AND OTHER INFORMATION FOUND ON THE PART.
5. STATE QUANTITY WANTED.

HOW TO USE THIS PARTS BOOK



GENERAL VIEW



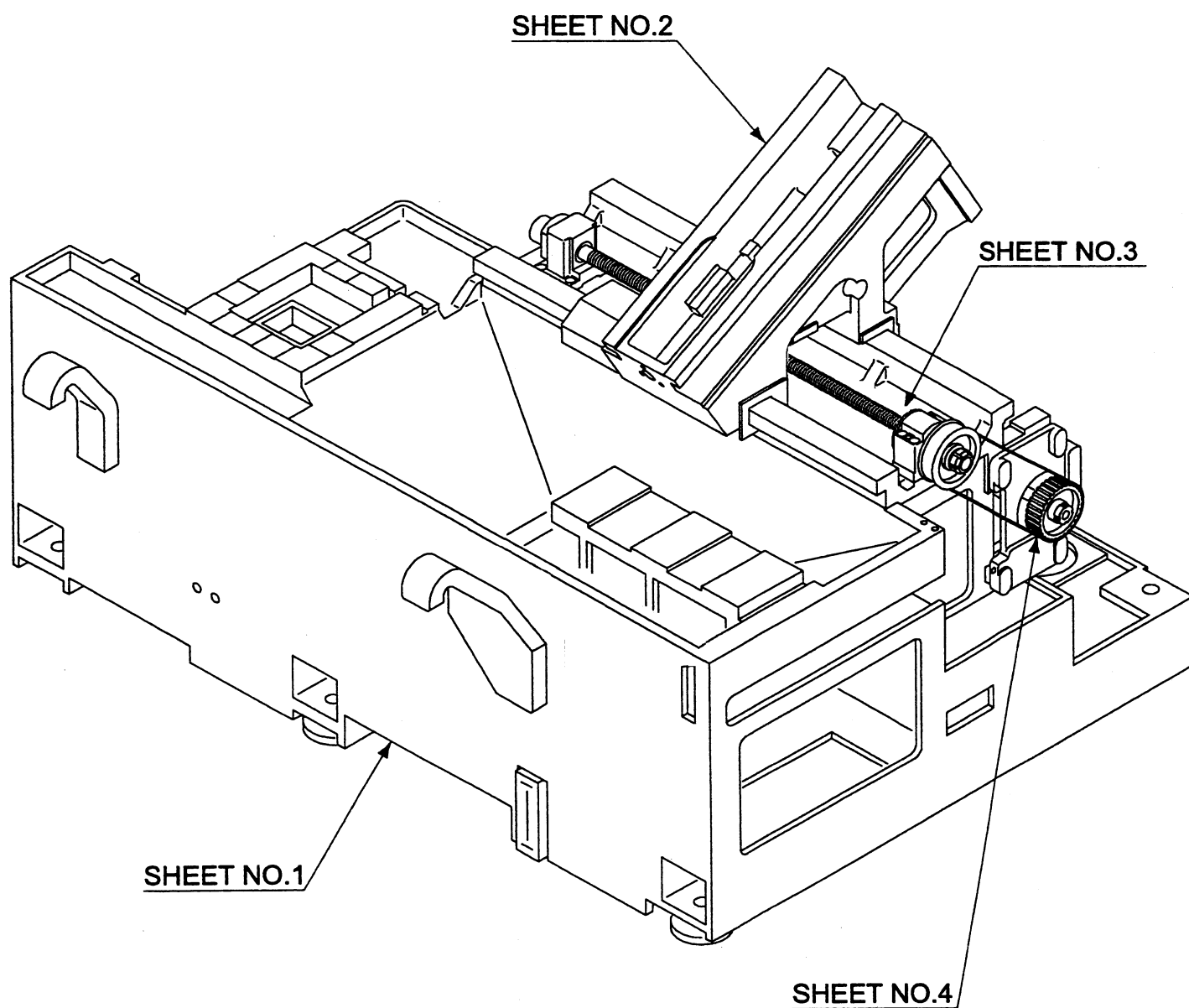
GENERAL CONTENTS

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7	COVER	601
8	LABELS	701
9	PART NO.LIST	P01

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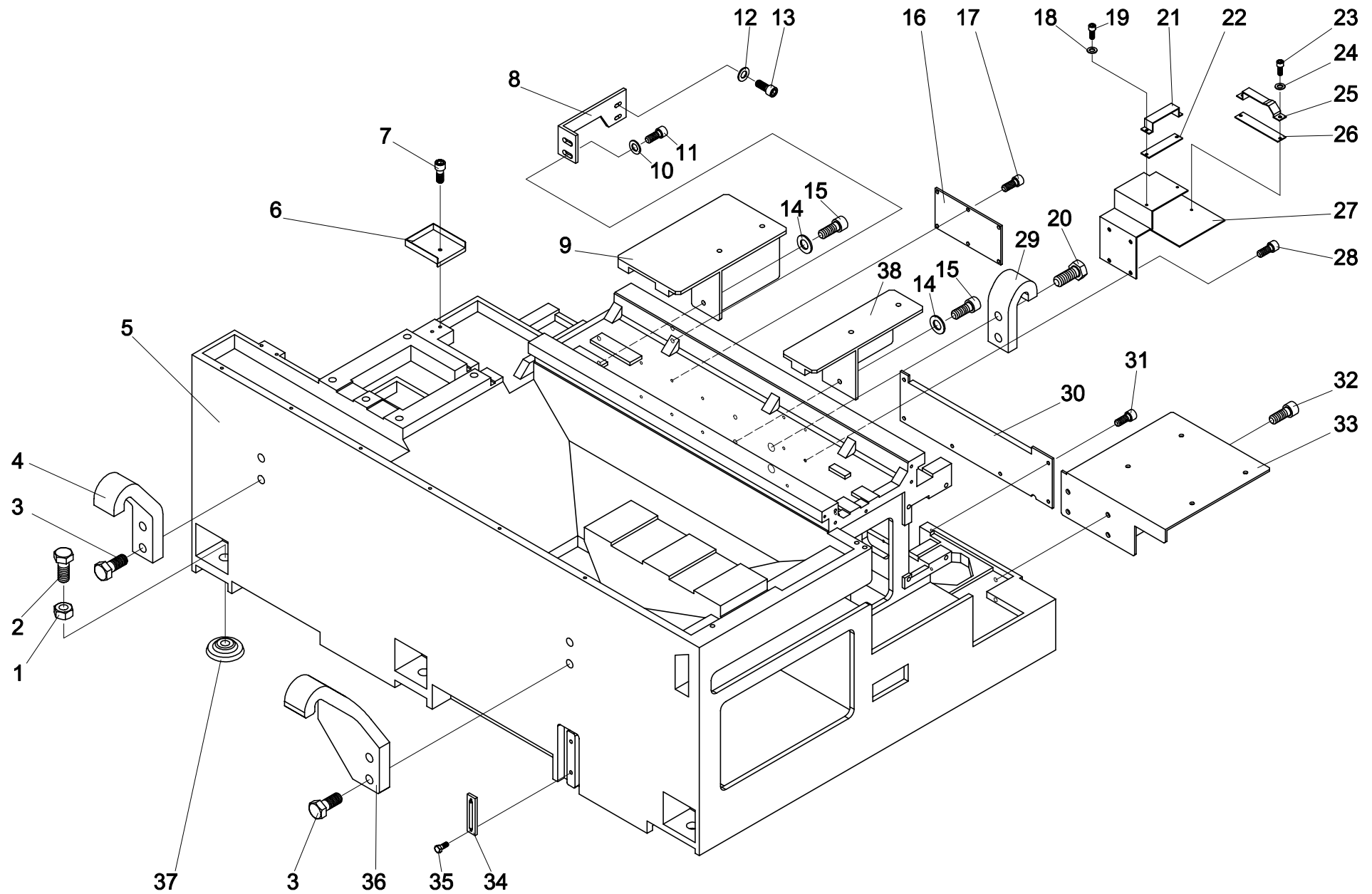
BED & Z-AXIS GROUP



(1) BED & Z-AXIS GROUP

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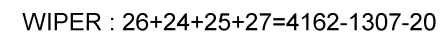
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2	SADDLE INSTALLATION	5
3	Z-AXIS BALL SCREW	7
4	Z-AXIS DRIVE UNIT	9
5	SADDLE LUBRICATION PIPING	11

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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
001-001	4121-1013-91	C5104-000321	NUT	5
001-002	4134-1107-92	C5006-000321	BOLT jack 32	5
001-003	7063-6369-17	C5010-240901	BOLT 24x90	4
001-004	4163-1008-90	120-0000-06-1	HOOK	1
001-005	4163-1001-91	-----	BED	1
001-006	4163-6607-92	-----	SLOT	1
001-007	7056-5325-16	C5010-120201	BOLT,socket-head 12x20	2
001-008	4163-1005-90	562-1001-09-01	SUPPORT	1
001-009	4163-1021-91	-----	SUPPORT	1
001-010	7098-5300-02	C5140-000121	WASHER,spring 12	2
001-011	7056-5325-16	C5010-120201	BOLT,socket-head 12x20	2
001-012	7096-4700-06	C5140-000081	WASHER,polished 8	2
001-013	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	2
001-014	7098-5300-02	C5140-000121	WASHER,spring 12	4
001-015	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	4
001-016	4162-1018-90	562-0001-10-01	PLATE	1
001-017	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
001-018	7096-3900-06	C5140-000061	WASHER,polished 6	2
001-019	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
001-020	7063-6361-17	C5000-240701	BOLT 24x70	2
001-021	4162-1008-90	551-1000-25-01	FIX STRIP	1
001-022	4162-1010-90	H1020-1154-20	PLATE	1
001-023	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
001-024	7096-3900-06	C5140-000061	WASHER,polished 6	2
001-025	4162-1425-90	561-1000-04	PLATE	1
001-026	4162-1009-90	H1020-1165-21	PLATE,rubber	1
001-027	4162-1007-92	-----	SUPPORT	1
001-028	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	4
001-029	4163-1010-90	174-0010-01-02	HOOK	1
001-030	4163-1007-91	-----	COVER	1
001-031	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
001-032	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
001-033	4163-1013-90	-----	SUPPORT	1
001-034	7922-1101-00	C2937-001001	GAGE SAN HSIONG KL-100A M10	1
001-035	4163-1011-90	C5004-120551	BOLT	2
001-036	4163-1009-90	130-0000-09	HOOK	1
001-037	4121-8428-90	-----	BASE	5
001-038	4163-1020-92	-----	SUPPORT	1

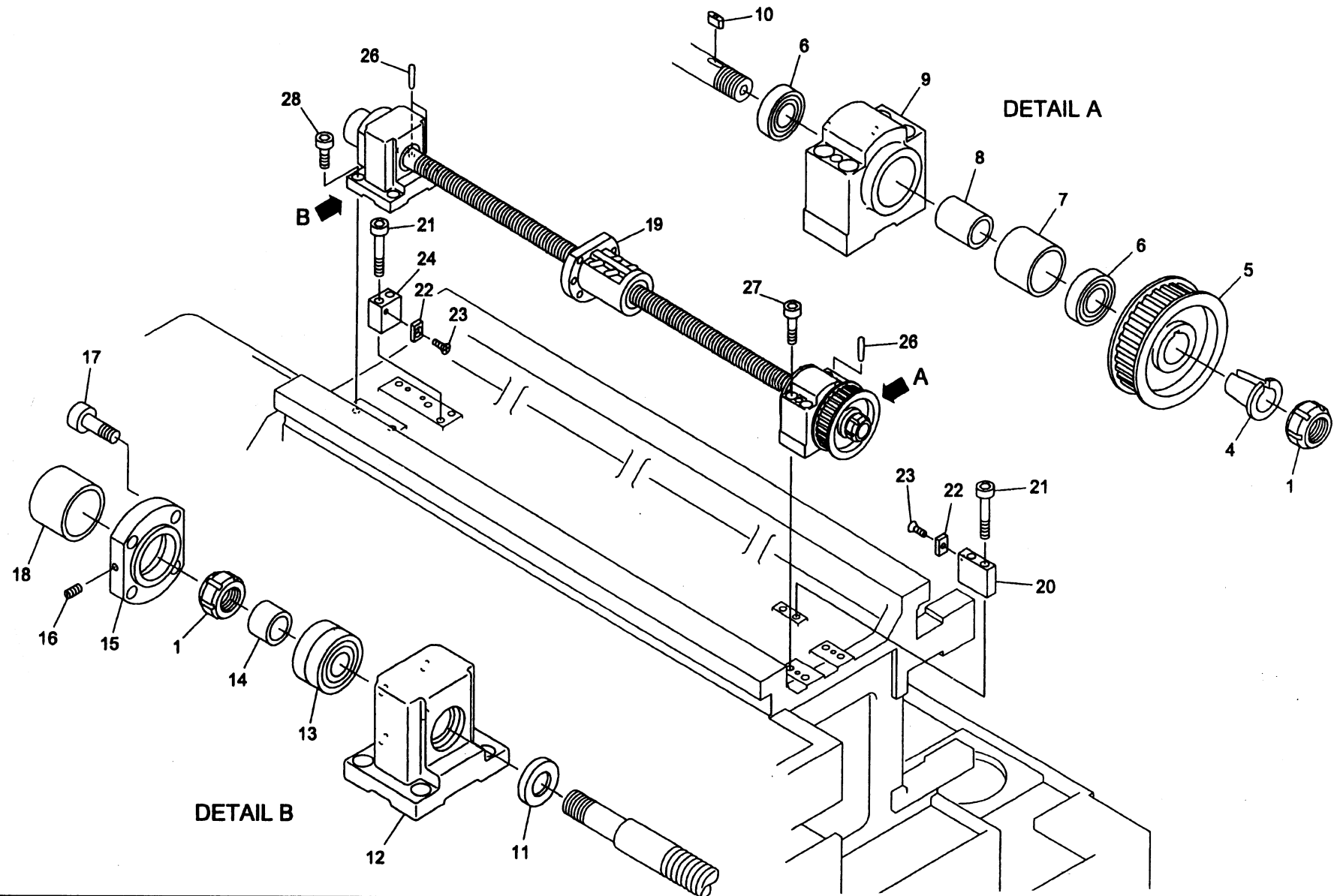
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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
002-001	4163-1301-91	562-0200-01-08	SADDLE	1
002-002	4163-1304-91	562-0200-05	PLATE	1
002-003	4163-1305-91	562-0200-06	GIB	1
002-004	4163-1303-91	562-0200-04	GIB	1
002-005	4163-1302-91	562-0200-03-01	PLATE	1
002-006	7953-6060-08	C5029-000081	BOLT,gib 8	4
002-007	7062-5346-12	C5000-120451	BOLT,12x45	5
002-008	7056-5335-16	C5010-060121	BOLT,socket-head 12x20	5
002-009	7931-3060-06	C5250-060060	PLUG 6x6	5
002-010	7933-2000-85	C6110-0000P8	O-RING P8	1
002-012	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	20
002-013	4163-1307-90	562-0220-13	PLATE	1
002-014	7004-3916-12	C5050-006121	SCREW,flat-head 6x12	4
002-015	4162-1311-90	551-0200-07-02	COVER	1
002-016	7003-3914-18	C5040-006101	SCREW,pan-head 6x10	2
002-019	4163-1306-90	551-0200-10-02	PLATE	1
002-020	7003-3914-18	C5040-006101	SCREW,pan-head 6x10	2
002-021	4163-1310-91	-----	SUPPORT	1
002-022	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	2
002-023	7056-3425-16	C5010-050201	BOLT,socket-head 5X20	2
002-024	4162-1309-90	H1023-0019-54	WIPER	1
002-025	4162-1310-90	H1023-0019-53-1	WIPER	1
002-026	4162-1307-90	H1023-0007-43	WIPER	1
002-027	4162-1308-90	H1023-0007-42	WIPER	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.3 Z-AXIS BALL SCREW



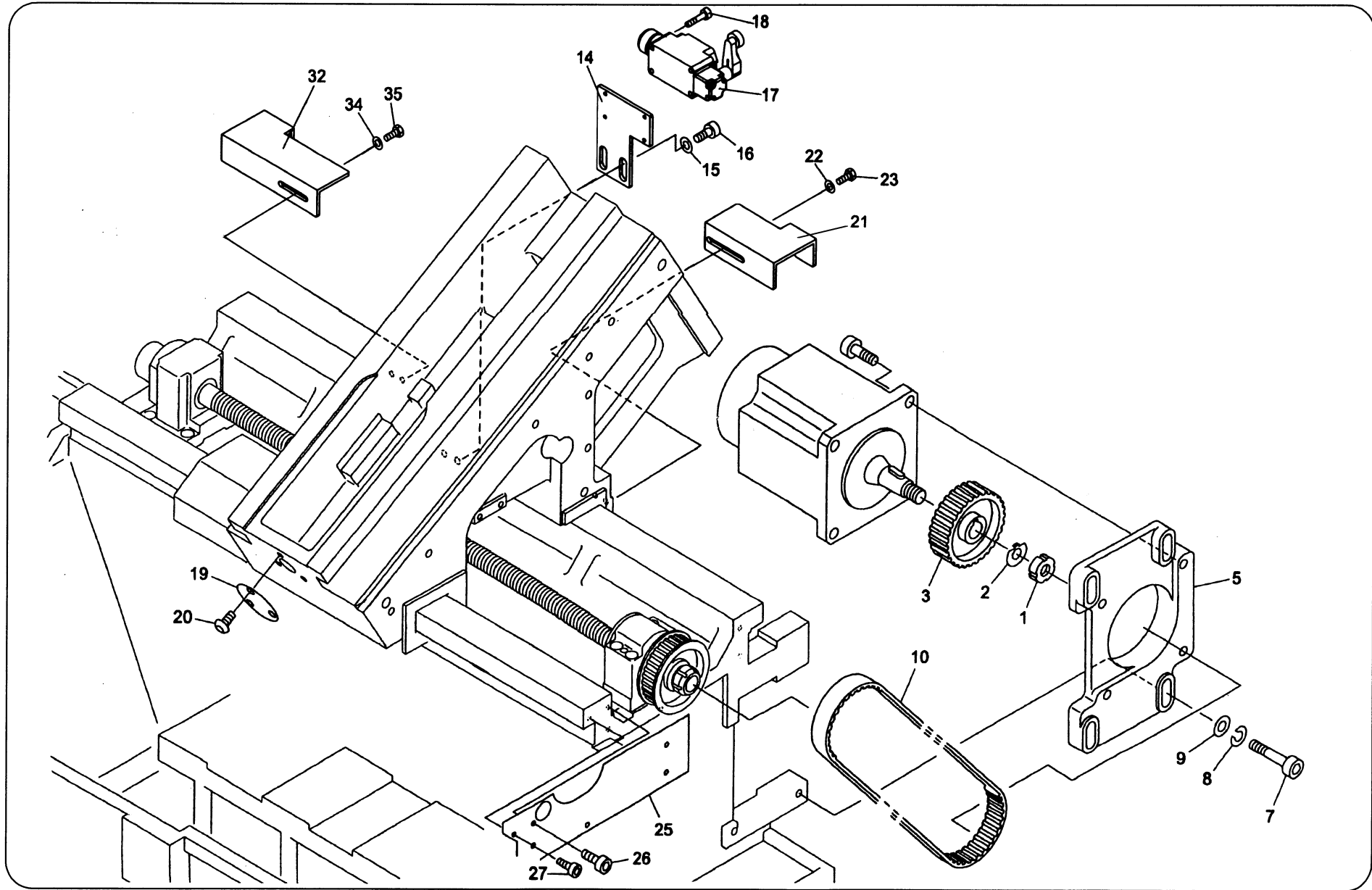
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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
003-001	7953-5202-52	555-0220-48	NUT YINSH YSF M25P1.5	2
003-004	4162-1206-90	522-0220-22-03	BUSHING	1
003-005	4162-1203-91	H1019-0009-72-1	PULLEY	1
003-006	7201-6205-48	M000-6205LLBP5	BAERING 6205LLBP5	2
003-007	4162-1218-90	C5487-052356	COLLAR,distance,outer	1
003-008	4162-1217-90	C5486-025356	COLLAR,distance,inner	1
003-009	4162-1216-90	561-0200-03-01	BRACKET	1
003-010	4162-1418-90	522-0220-23	KEY	1
003-011	7933-4903-21	F1113-032-04204	OIL SEAL	1
003-012	4162-1210-91	551-0220-19-04	BRACKET	1
003-013	7200-0410-36	M009-0034-04	BEARING NSK 25TAC62A UC10PN78	2
003-014	4162-1214-90	555-0220-05-03	COLLAR	1
003-015	4162-1211-90	551-0220-20	COVER	1
003-016	7124-3916-12	C5035-006121	SET-SCREW 6x12	1
003-017	7056-5339-16	C5010-120351	BOLT,socket-head 12x35	4
003-018	4162-1212-90	551-0220-21	COVER	1
003-019	4162-1230-92	-----	BALL SCREW (Z)	1
003-020	4162-1207-90	551-0220-05-02	STOPPER	1
003-021	7057-5359-16	C5010-120701	BOLT,spclet-head 12x70	4
003-022	4162-1204-90	H1022-1032-53	BLOCK 15X35X5	2
003-023	7004-3916-12	C5050-006121	SCREW,flat-head 6x12	2
003-024	4162-1209-90	551-0220-18	STOPPER	1
003-026	7955-0080-32	C0201-080321	ITP 8x32	2
003-027	7057-5343-16	C5010-120401	BOLT,socket-head 12x40	4
003-028	7056-5335-16	C5010-060121	BOLT,socket-head 12x20	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.4 Z-AXIS DRIVE UNIT

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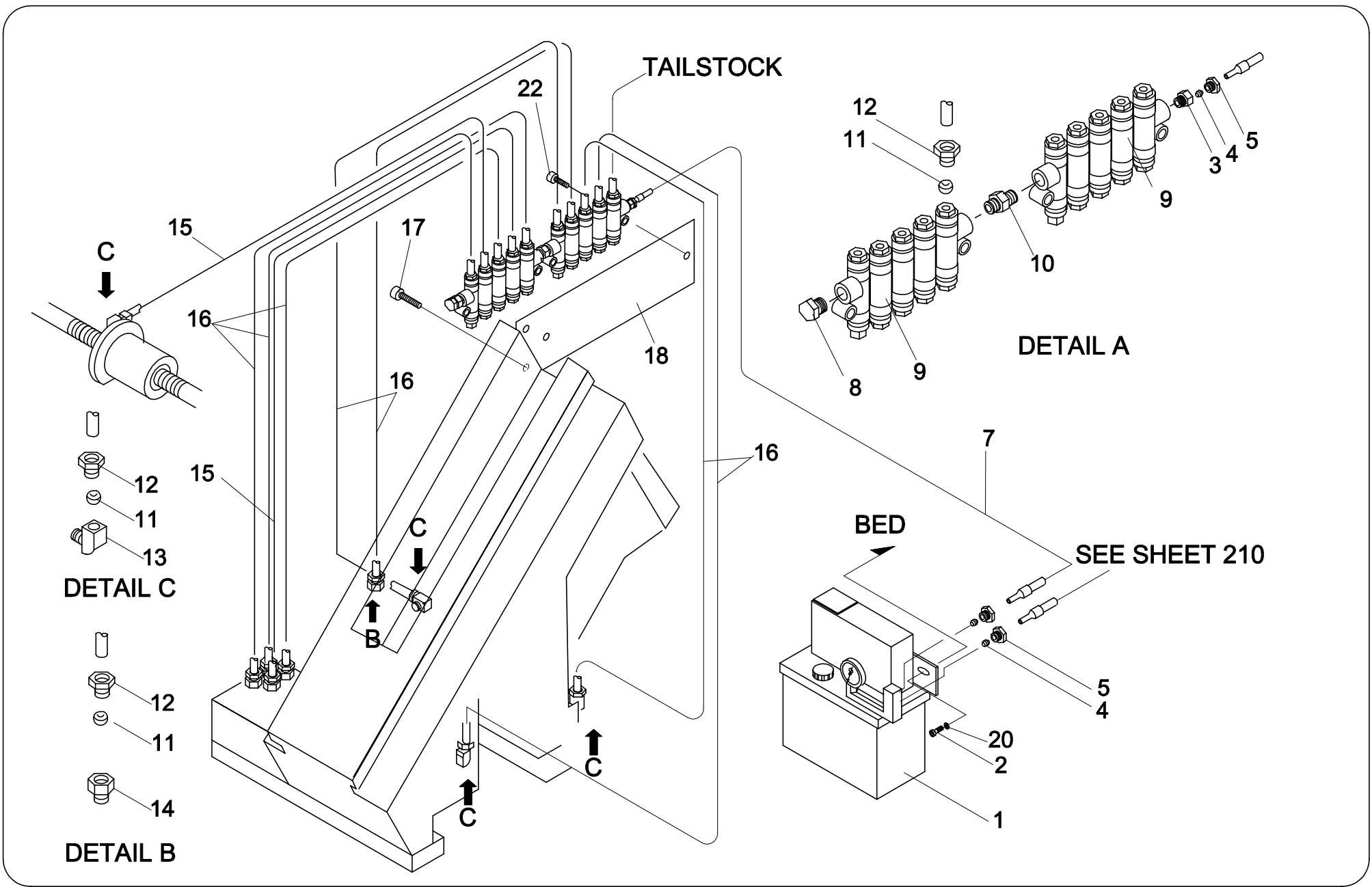


SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
004-001	4162-1416-90	118-2100-85	NUT	1
004-002	4162-1417-90	118-2100-86-1	WASHER	1
004-003	4162-1201-91	H1019-0009-71-1	STS PULLEY	1
004-005	4162-1213-90	551-0220-22-02	BASE	1
004-007	7057-5355-16	C5010-120601	BOLT,socket-head 12x60	4
004-008	7098-5300-02	C5140-000121	WASHER,spring 12	4
004-009	7096-5300-02	C5150-000121	WASHER,plain 12	4
004-010	7987-8251-09	M119-0016-44	STS BELT	1
004-014	4163-6659-90	-----	SUPPORT	1
004-015	7096-4700-06	C5140-000081	WASHER,polished 8	2
004-016	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	2
004-017	6455-3653-06	-----	L S (AE5104-2)	1
004-018	7001-2635-12	C5010-040251	SCREW,pan-head 4x30	4
004-019	4163-1210-90	125-0200-12-1	COVER	1
004-020	7003-3911-12	C5040-006081	SCREW,pan-head 6x8	3
004-021	4163-6660-91	-----	DOG	1
004-022	7096-3900-06	C5140-000061	WASHER,polished 6	2
004-023	7057-3916-16	C5010-060121	BOLT,socket-head 6x12	2
004-025	4163-1308-90	562-1000-60-03	PLATE	1
004-026	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	5
004-027	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	1
004-032	4163-6661-91	-----	DOG	1
004-034	7096-3900-06	C5140-000061	WASHER,polished 6	2
004-035	7057-3916-16	C5010-060121	BOLT,socket-head 6x12	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

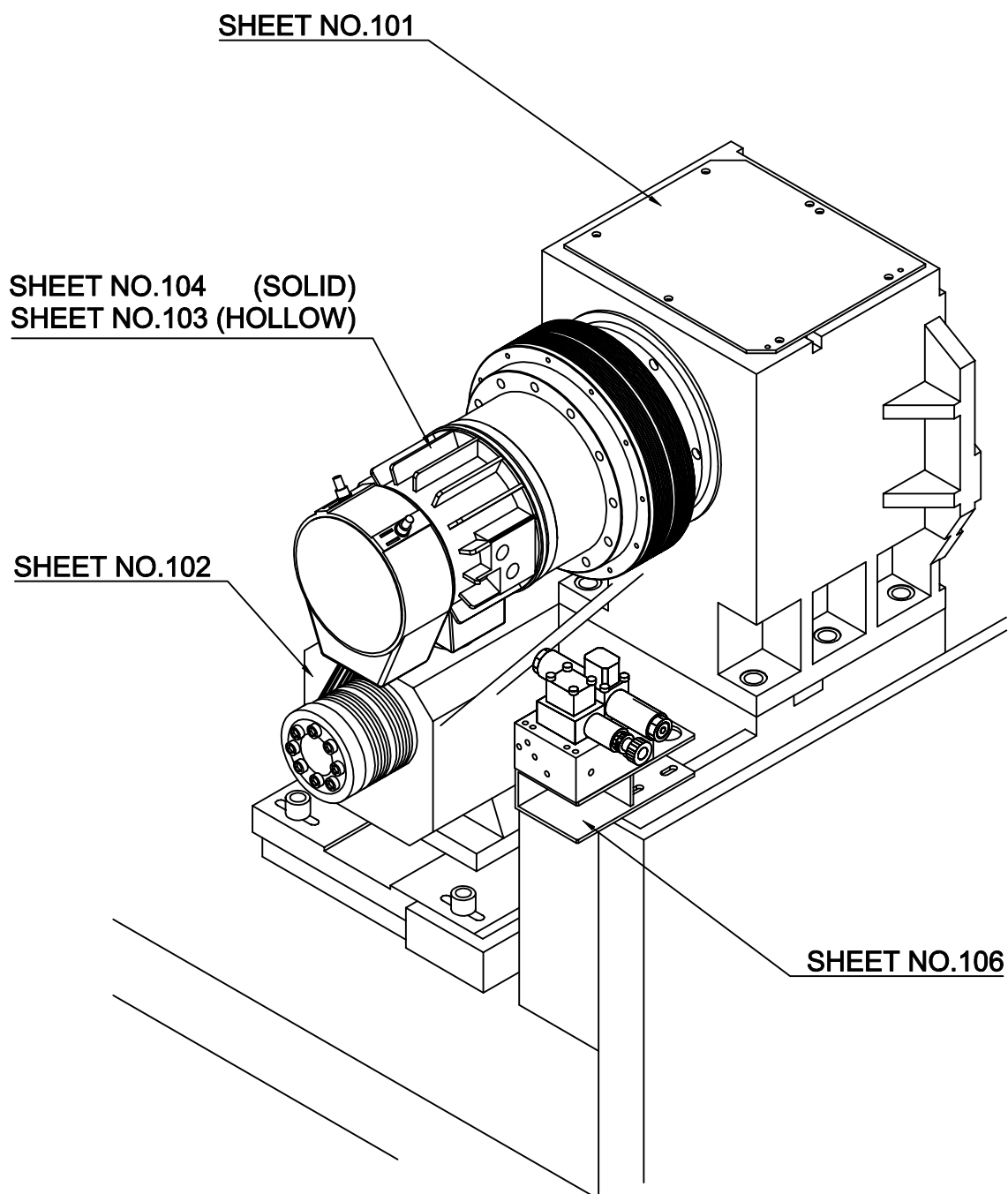
SHEET NO.5 SADDLE LUBRICATION PIPING

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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
005-001	7904-1201-01	-----	TANK,lubrication	1
005-002	7057-3939-16	C5010-060351	BOLT,socket-head 6x35	4
005-003	7976-0513-06	-----	NIPPLE PD6	3
005-004	7976-0512-06	H0012-0001-11	SLEEVE PB6	3
005-007	7963-0062-70	-----	HOSE,flexible 6x2700	1
005-008	7976-0519-10	-----	PLUG PG10C	1
005-009	7923-0369-15	-----	MANIFOLD	2
005-010	7976-0519-03	-----	NIPPLE PQ10	1
005-011	7976-0512-04	H0012-000089	SLEEVE PB4	20
005-012	7976-0511-04	H0012-000088	PLUG PA4	20
005-013	7976-0514-04	H0012-000090	ELBOW PH4	4
005-014	7976-0513-04	H0012-000048	NIPPLE PD4	5
005-015	7960-0040-00	-----	PIPE AL	2
005-016	7976-0604-00	-----	PIPE nylon	7
005-017	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	2
005-018	4163-1310-91	-----	SUPPORT	1
005-020	7096-3900-06	C5140-000061	WASHER,polished 6	1
005-022	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

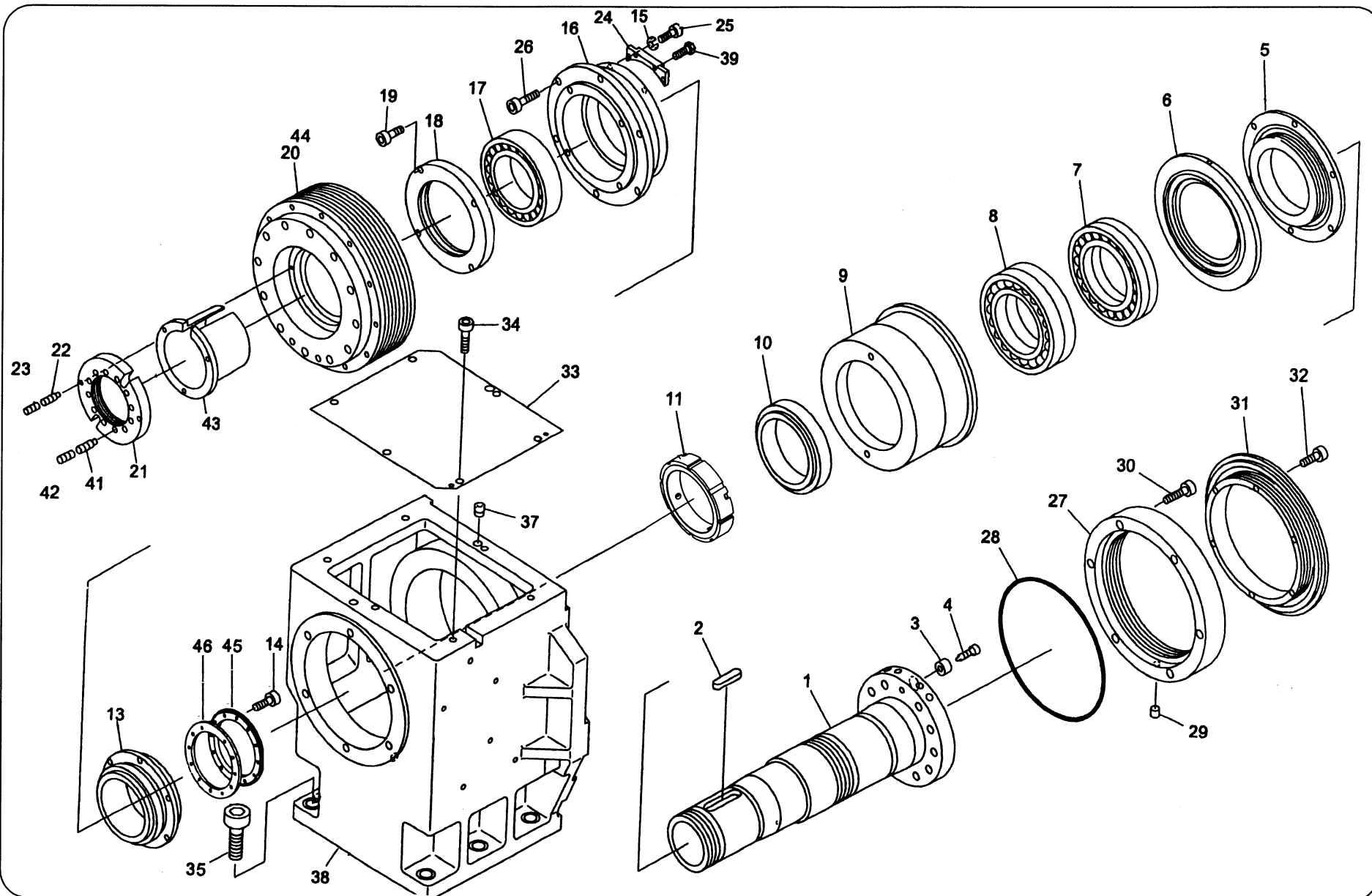


(2) HEADSTOCK GROUP

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104	SOLID CHUCK CYLINDER	109
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108	CHUCK HYDRAULIC UNIT (HOLLOW)	117
109	SPINDLE DRIVE MOTOR 7.5/11Kw (OPTION)	119

SHEET NO.101 MAIN SPINDLE

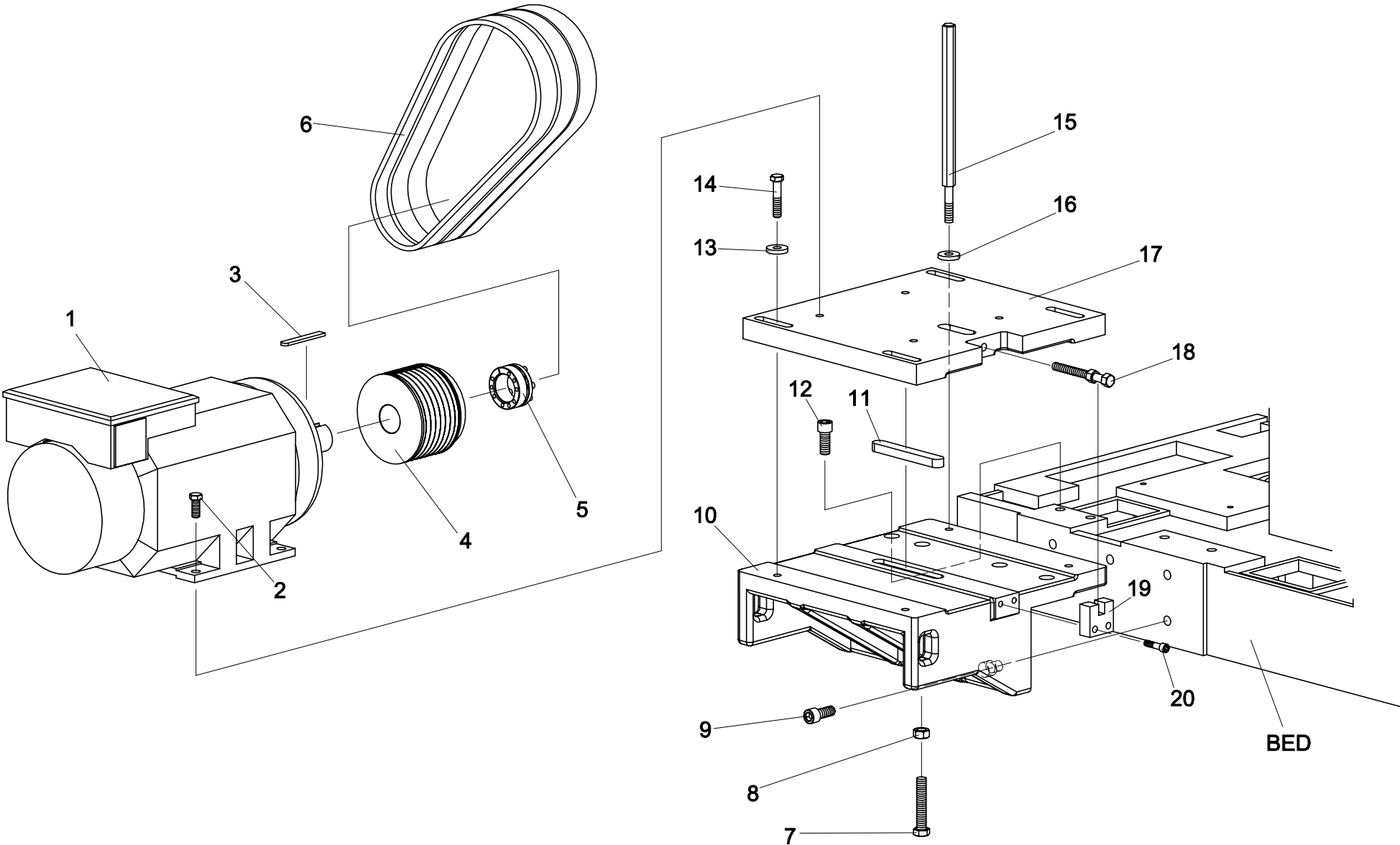


SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
101-001	4163-3001-90	562-0100-02-04	SHAFT	1
101-002	4163-3012-90	522-0130-21-01	KEY	1
101-003	4131-4302-90	141-0114-19-4	BLOCK	1
101-004	4163-3006-90	522-0100-23-01	BOLT	1
101-005	4163-3010-90	522-0100-31-03	LABYRINTH	1
101-006	4163-3011-90	522-0100-32-6	COVER	1
101-007	7223-0244-65	M009-0034-43	BEARING NTN NN3024T2KC1NAUP-20	1
101-008	7289-5302-41	M009-0043-61	BEARING NTN HTA024DB/G15UP-21	1
101-009	4163-3013-91	556-0100-05-02	HOUSING	1
101-010	4163-3014-90	562-0100-25	COLLAR	1
101-011	7953-3120-20	515-0140-64-02	NUT YINSH YSF M120P2	1
101-013	4163-3005-90	562-0100-23	FLANGE	1
101-014	7056-3431-16	C5010-050251	BOLT,socket-head 5X25	6
101-015	7098-3300-02	C5160-000051	WASHER,spring 5	2
101-016	4163-3015-91	562-0100-07-02	HOUSING	1
101-017	7223-0214-65	M009-0034-41	BEARING NTN NN3021T2KC1NAUP-20	1
101-018	4163-3016-90	562-0100-08-02	PLATE	1
101-019	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	4
101-020	4163-3033-90	-----	PULLEY 15/11kW 3000rpm	1
101-021	4163-3019-90	130-0110-13-02	NUT	1
101-022	7124-3919-12	C5035-008141	SET-SCREW 8X14	1
101-023	7123-4714-12	C5036-008101	SET-SCREW 8X10	1
101-024	4162-3313-90	561-0100-06-06	PLATE	1
101-025	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	2
101-026	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	6
101-027	4163-3009-90	556-0100-02-02	COVER	1
101-028	7930-8039-50	C6101-309500	RUBBER ROPE 3X950	1
101-029	7931-3080-08	C5250-080080	PLUG 8x8	1
101-030	7056-4743-16	C5010-080401	BOLT,socket-head 8x40	6
101-031	4163-3008-90	522-0110-04-6	LABYRINTH	1
101-032	7056-3425-16	C5010-050201	BOLT,socket-head 5X20	6
101-033	4163-3022-90	562-0100-04-02	PLATE	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
101-034	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
101-035	7057-6055-16	C5010-200601	BOLT,socket-head 20x60	5
101-037	7931-4290-01	C7861-000012	PLUG,socket-head 1/4	2
101-038	4163-3002-91	-----	HEAD STOCK	1
101-039	7062-3922-12	C5000-060161	BOLT 6X16	2
101-041	7124-5019-12	C5035-010141	SET-SCREW 10X14	1
101-042	7123-5014-12	C5036-010101	SET-SCREW 10X10	1
101-043	4163-3018-90	130-0110-12-02	SLEEVE	1
101-044	4163-3023-90	562-0100-39-02	PULLEY 11/7.5kW 3000rpm	1
101-045	4163-3004-90	091-0305-02	PLATE	1
101-046	4163-3003-90	091-0305-01	GEAR	1

SHEET NO.102 SPINDLE DRIVE MOTOR 15/11kW

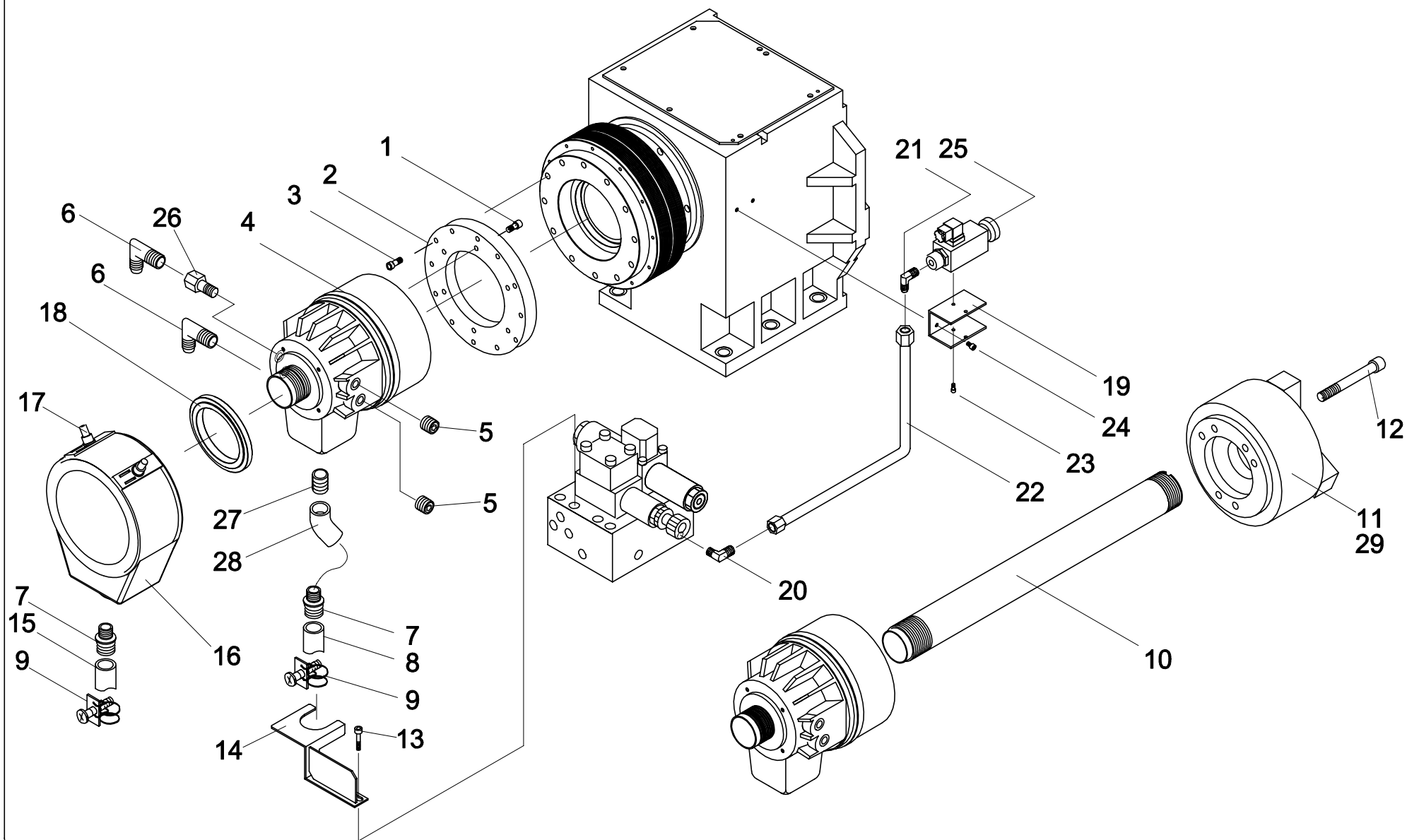
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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
102-001	41U10-A093-5100	E1005-892-205	VAC-YMMSC 15/11R-042	1
102-002	7062-5743-17	-----	BLOT,16X40	4
102-003	4163-3520-90	-----	KEY	1
102-004	4163-3516-90	-----	PULLEY	1
102-005	7952-1600-90	-----	SANKI SCE201SH 60X90	1
102-006	7987-3402-36	-----	BELT 10PK-2360 (3000rpm)	3
102-007	4163-3522-90	-----	BLOT,20X110	2
102-008	7079-6000-17	-----	NUT,hex.No2 20	2
102-009	7056-6048-17	-----	BOLT,socket-head 20X50	6
102-010	4163-3514-90	-----	BASE	1
102-011	7950-4282-00	-----	KEY 28X18X200	1
102-012	7056-6048-17	-----	BOLT,socket-head 20X50	4
102-013	4163-3521-90	147-0001-17	WASHER	4
102-014	7062-5765-12	-----	BLOT,16X80	3
102-015	4163-3518-90	562-0100-29	BLOT	1
102-016	4163-3515-90	-----	BASE	1
102-017	4163-3519-90	137-001-03-1	BLOT	1
102-018	4163-3517-90	-----	BLOCK	1
102-019	7057-5348-16	-----	BOLT,socket-head 12X50	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

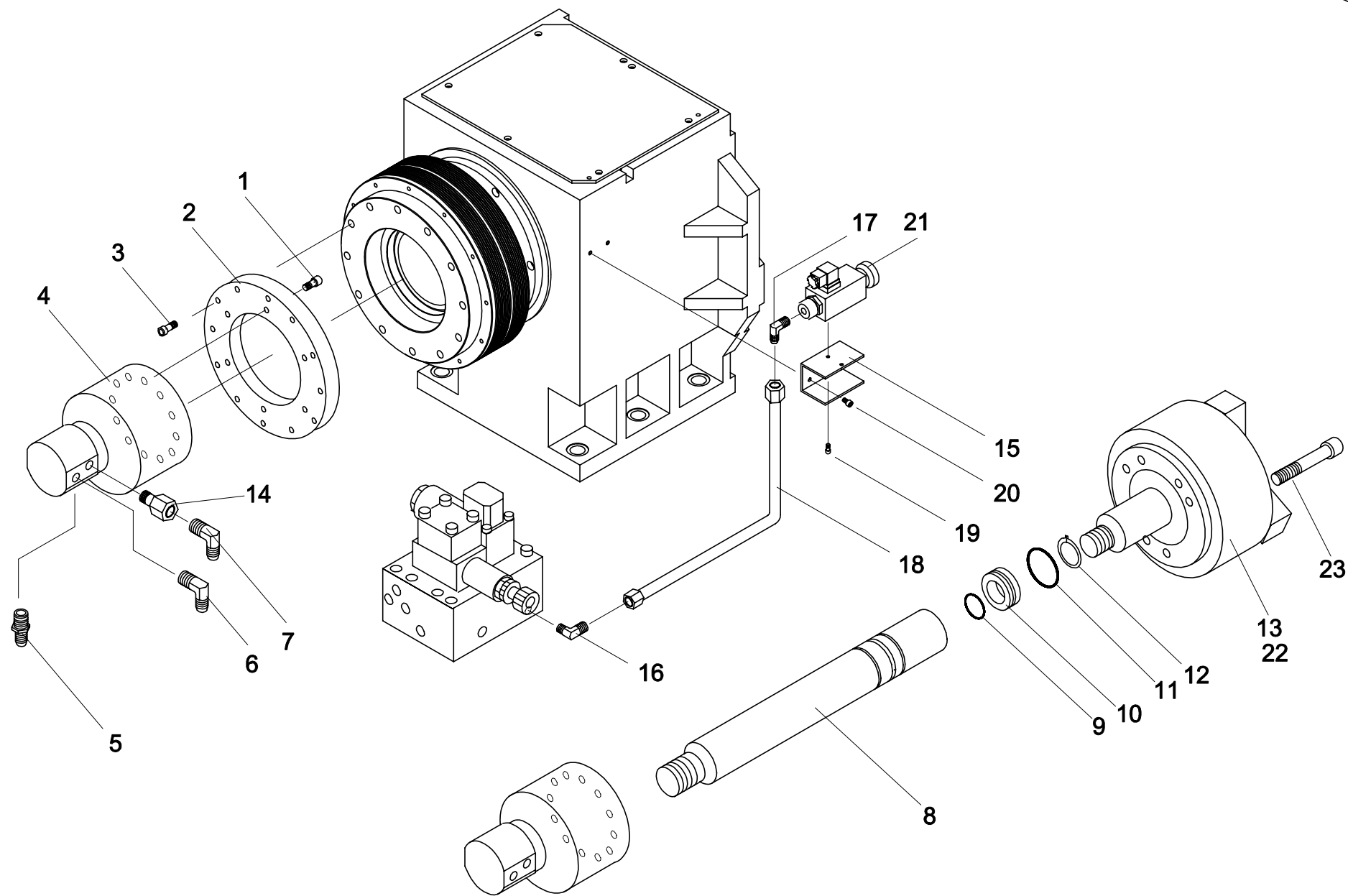
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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
103-001	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	6
103-002	4163-3027-91	-----	FLANGE	1
103-003	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	12
103-004	7981-0180-14	-----	CYLINDER STRONG DICHUN M1870 M78P2	1
103-005	7931-4300-03	-----	PLUG socket-head 1/2	2
103-006	7971-5203-03	-----	NIPPLE,hose joint 1/2	2
103-007	7978-0460-55	-----	NIPPLE,sv-hose joint 1x1	1
103-008	7962-7252-25	-----	HOSE	1
103-009	7964-1000-35	-----	PIPE BAND 35	1
103-010	4163-3028-91	-----	BAR	1
103-011	7980-1241-16	-----	CHUCK STRONG DICHUN N-210A8	1
103-012	7057-5383-16	C5010-121301	BOLT,socket-head 12x130	6
103-013	7056-4714-16	C5010-080101	BOLT,socket-head 8x10	2
103-014	4163-6657-90	-----	SUPPORT	1
103-015	7962-7252-10	-----	HOSE	1
103-016	4163-3035-90	-----	TANK STRONG CM18B	1
103-017	6455-6144-10	E3020-891-057	SENSOR,proximity switch,empty	2
103-018	4163-3029-90	-----	SENSOR PLATE CM18B	1
103-019	4162-6662-92	-----	SUPPORT	1
103-020	7970-1020-60	-----	ELBOW ,joint pt1/8x6	1
103-021	7970-1020-61	-----	ELBOW ,joint pt1/4x6	1
103-022	7967-1060-24	-----	PIPE steel 6x240	1
103-023	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
103-024	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
103-025	7909-1402-02	-----	PRESSURE switch 7-OCEAN PS-02-1-10	1
103-026	7978-2181-33	-----	S-BUSH 1/2X1/2	1
103-027	7960-2010-05	-----	ELBOW PT1"XPT1"	1
103-028	7978-2270-55	-----	NIPPLE PT1"	1
103-029	7980-1341-21	T009-200-012-36	CHUCK KITAGAWA DICHUN B-210A8	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.104 SOLID CHUCK CYLINDER

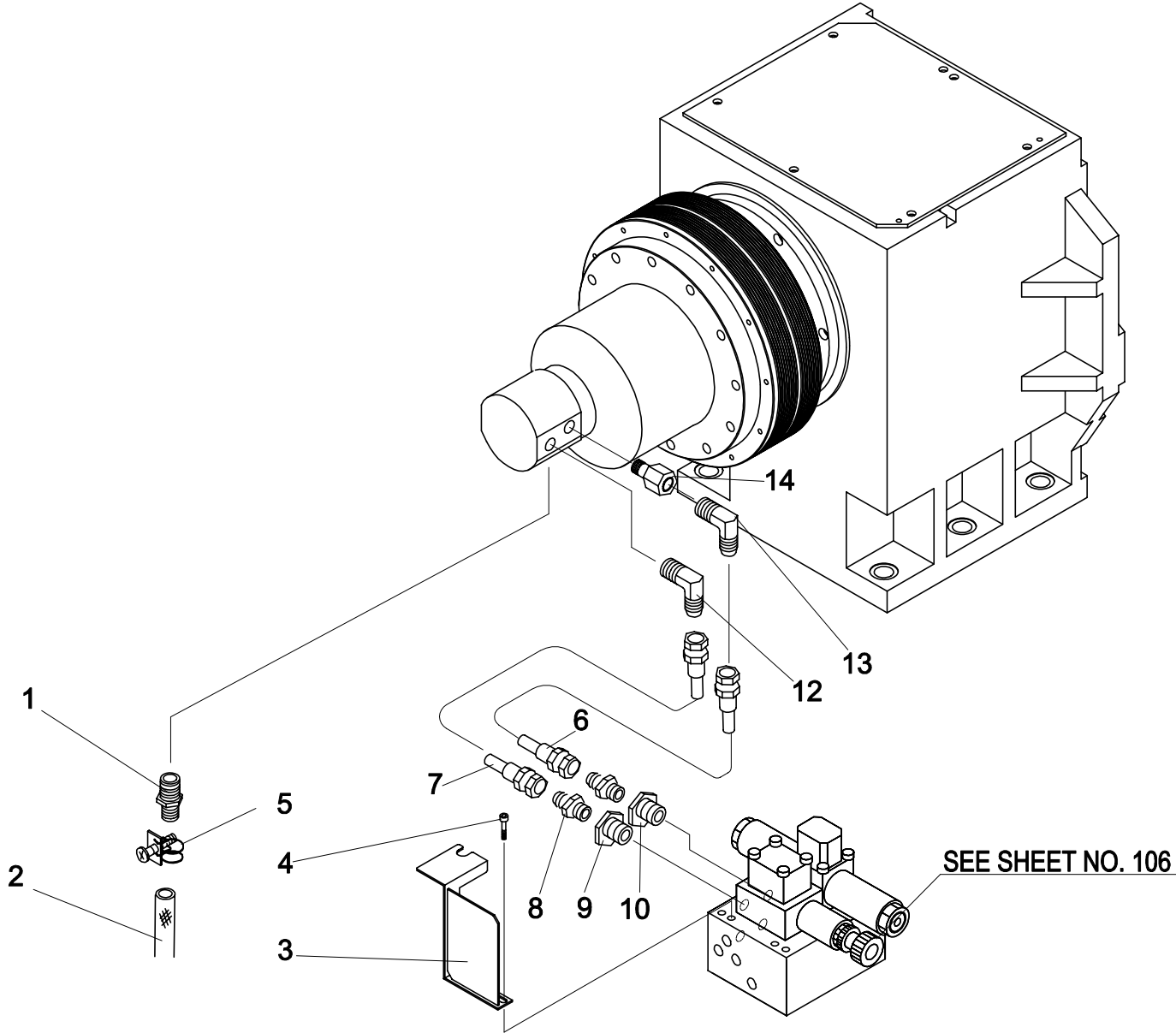


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
104-001	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	6
104-002	4163-3030-90	562-3000-06	FLANGE	1
104-003	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	6
104-004	7981-1190-04	-----	CYLINDER STRONG DICHUN MS125	1
104-005	7978-0460-12	-----	JOINT, SV PT1/4	1
104-006	7971-5202-02	-----	NIPPLE,hose joint 3/8	1
104-007	7971-5202-02	-----	NIPPLE,hose joint 3/8	1
104-008	4163-3031-90	-----	BAR	1
104-009	7933-2003-55	C6110-000P35	O-RING P35	1
104-010	4163-3032-90	522-3000-30-1	COLLAR	1
104-011	7933-2007-05	C6110-000P70	O-RING P70	1
104-012	7105-1035-01	C5180-000350	SNAP- RING,external 35	1
104-013	7980-3241-03	-----	CHUCK STRONG V-210A8	1
104-014	7978-5020-22	-----	JOINT,PT3/8XPT3/8	1
104-015	4162-6662-92	-----	SUPPORT	1
104-016	7970-1020-60	-----	ELBOW,joint pt1/8x6	1
104-017	7970-1020-61	-----	ELBOW,joint pt1/4x6	1
104-018	7967-1060-24	-----	PIPE steel 6x240	1
104-019	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
104-020	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
104-021	7909-1402-02	-----	PRESSURE switch 7-OCEAN PS-02-1-10	1
104-022	7980-3241-01	T009-200-013-87	CHUCK KITAGAWA DICHUN N-10A08	1
104-023	7057-5775-16	-----	BLOT,socket-head 16x110	6

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

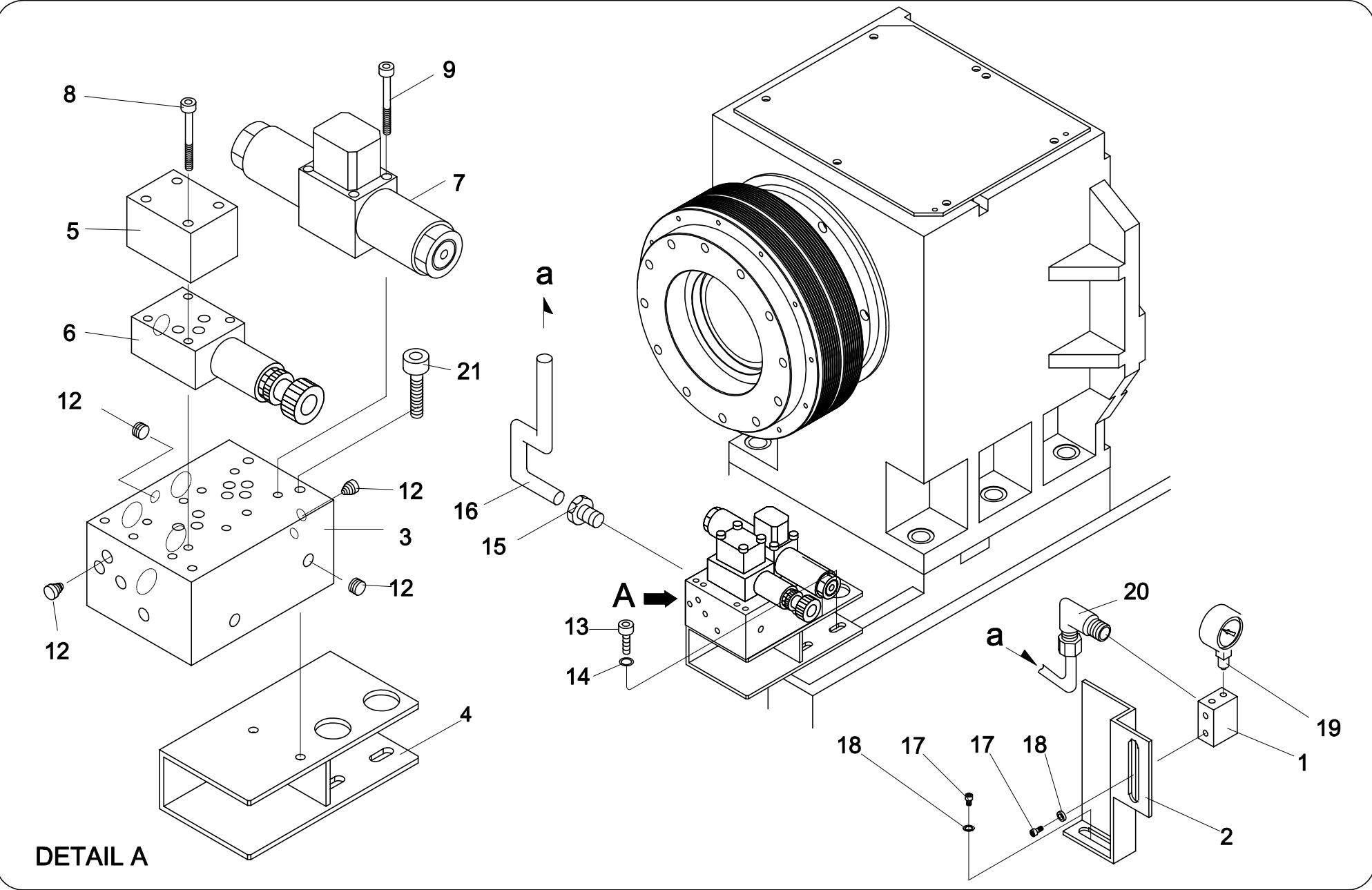
SHEET NO.105 CHUCK CYLINDER



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
105-001	7978-0460-12	-----	JOINT, SV PT1/4	1
105-002	7962-7092-10	-----	HOSE,9X15X2100	1
105-003	4163-6638-90	-----	SUPPORT	1
105-004	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	2
105-006	7961-3090-70	-----	70K HOSE 9x700	1
105-007	7961-3090-70	-----	70K HOSE 9x700	1
105-008	7971-5102-02	-----	NIPPLE,hose joint 3/8	2
105-009	7978-2181-23	-----	S-BUSH 3/8x1/2	1
105-010	7978-2181-23	-----	S-BUSH 3/8x1/2	1
105-012	7971-5202-02	-----	NIPPLE,hose joint 3/8	1
105-013	7971-5202-02	-----	NIPPLE,hose joint 3/8	1
105-014	7978-5020-22	-----	JOINT,PT3/8XPT3/8	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

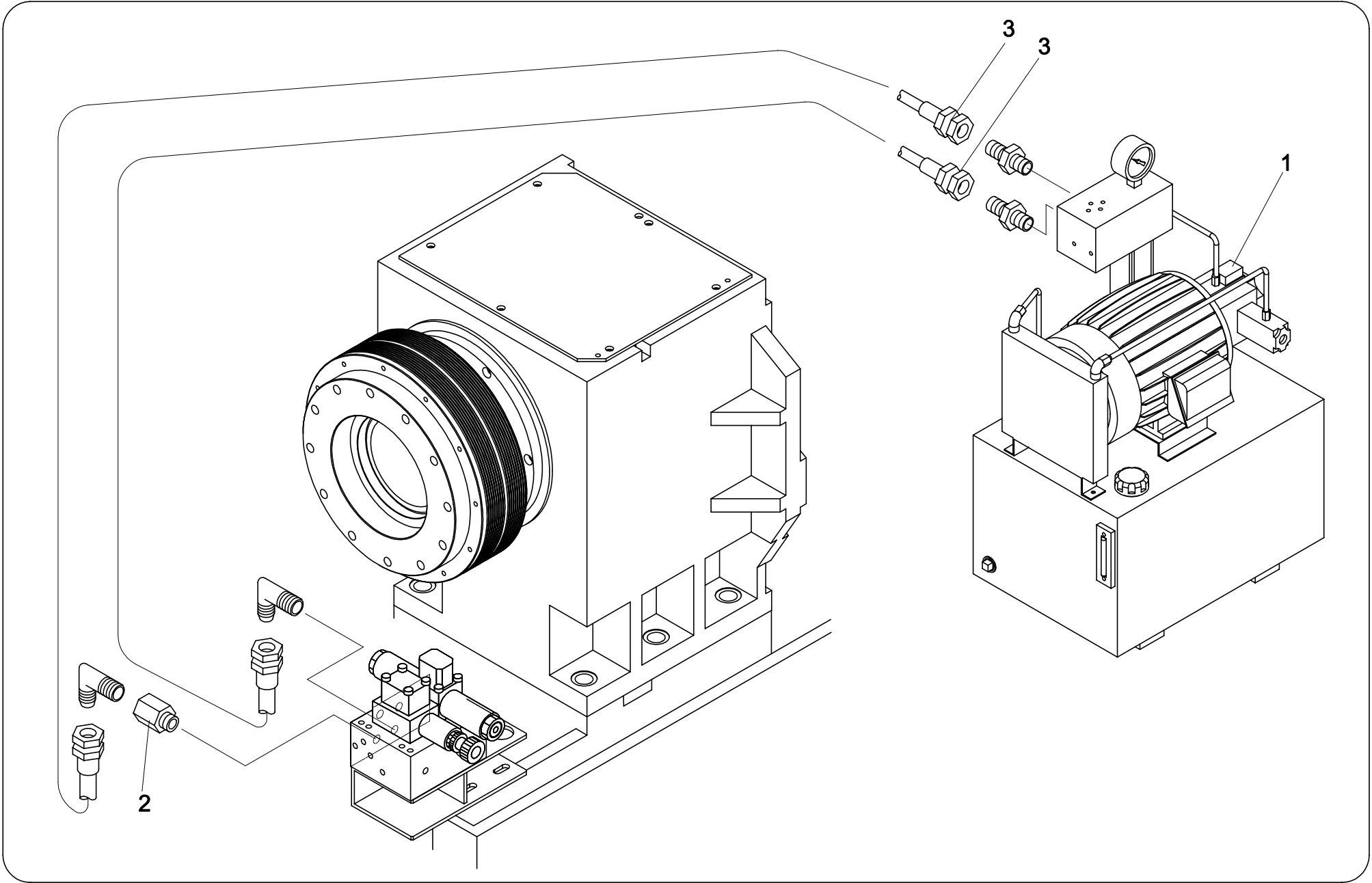
SHEET NO.106 CONTROL VALVE (CHUCK CYLINDER)



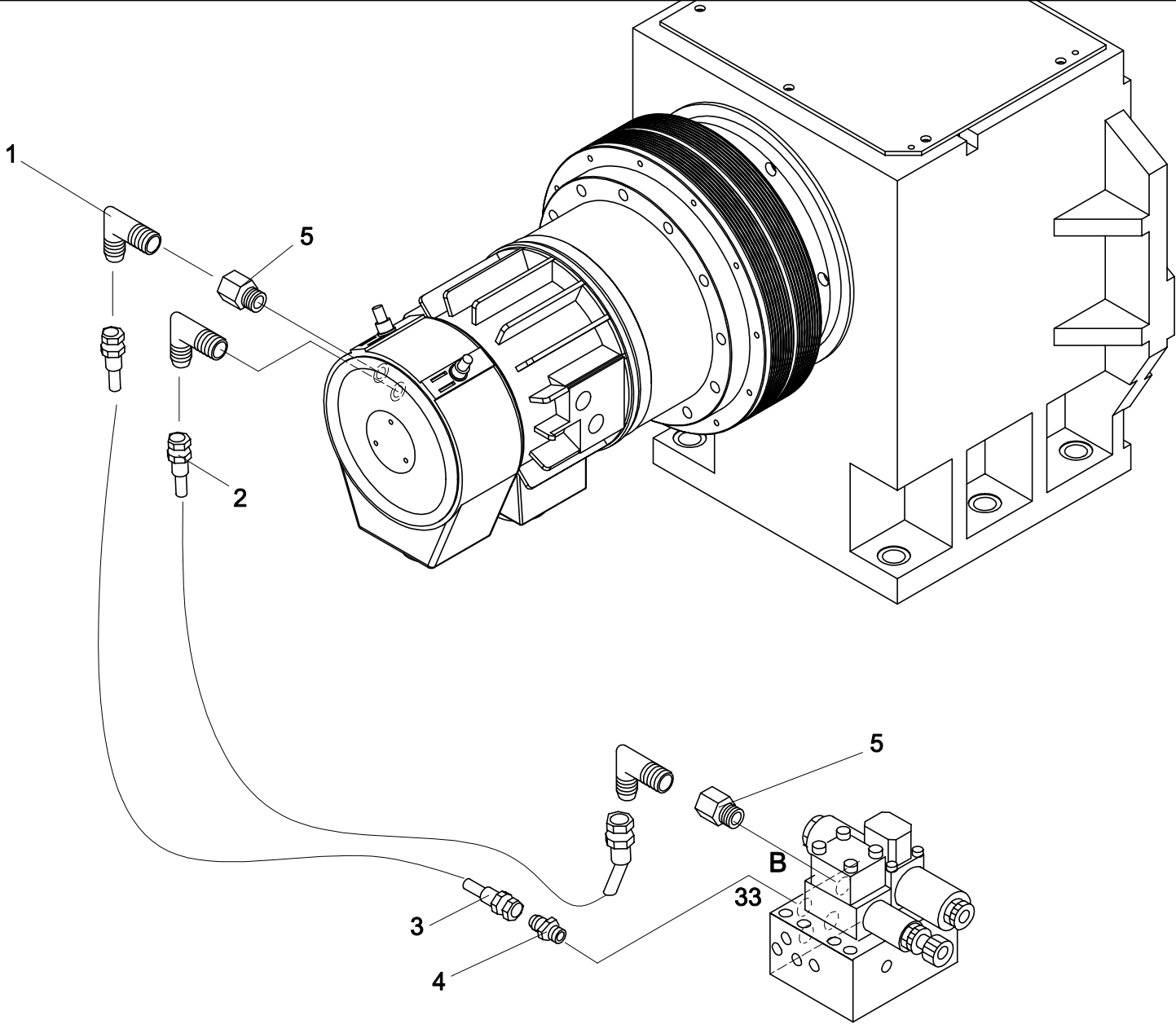
SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
106-001	4162-4007-90	551-0600-08	BLOCK	1
106-002	4163-6689-90	-----	SUPPORT	1
106-003	4162-4004-90	551-0600-05-01	MANIFOLD	1
106-004	4163-6650-90	-----	SUPPORT	1
106-005	4162-4008-91	H1033-0006-08	BLOCK	1
106-006	7906-1060-36	F0011-730-000-06	VALVE, reducing 7-OCEAN MG V-02-P-0-10	1
106-007	7905-1434-11	F0000-431-000-17	SOL.D DFB 02-2D2-DC24V	1
106-008	7057-3461-16	C5010-050601	BOLT, socket-head 5x60	4
106-009	7057-3451-16	C5010-050551	BOLT, socket-head 5x55	4
106-010	7057-4769-16	C5010-080901	BOLT, socket-head 8x90	2
106-011	7971-5103-03	C7870-010032	NIPPLE, hose joint 1/2	2
106-012	7931-4300-00	C7861-000002	PLUG, socket-head 1/8	8
106-013	7056-4722-16	C5010-080161	BOLT, socket-head 8x16	2
106-014	7096-4700-06	C5140-000081	WASHER, polished 8	2
106-015	7970-1000-61	C2781-000621	NIPPLE PA6 PT1/4	1
106-016	7967-1060-20	C7781-060200	PIPE, steel 6x200	1
106-017	7056-4722-16	C5010-080161	BOLT, socket-head 8x16	4
106-018	7096-4700-06	C5140-000081	WASHER, polished 8	4
106-019	7909-0120-42	T019-400-004-01	GAUGE, pressure SKON 40KG/CM2 PSI PT1/4	1
106-020	7970-1020-61	-----	ELBOW, joint pt1/4x6	1
106-021	7057-4765-16	-----	BOLT, socket-head 8x80	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.107 HEADSTOCK HYDRAULIC PIPING



SHEET NO.108 CHUCK HYDRAULIC UNIT (HOLLOW)

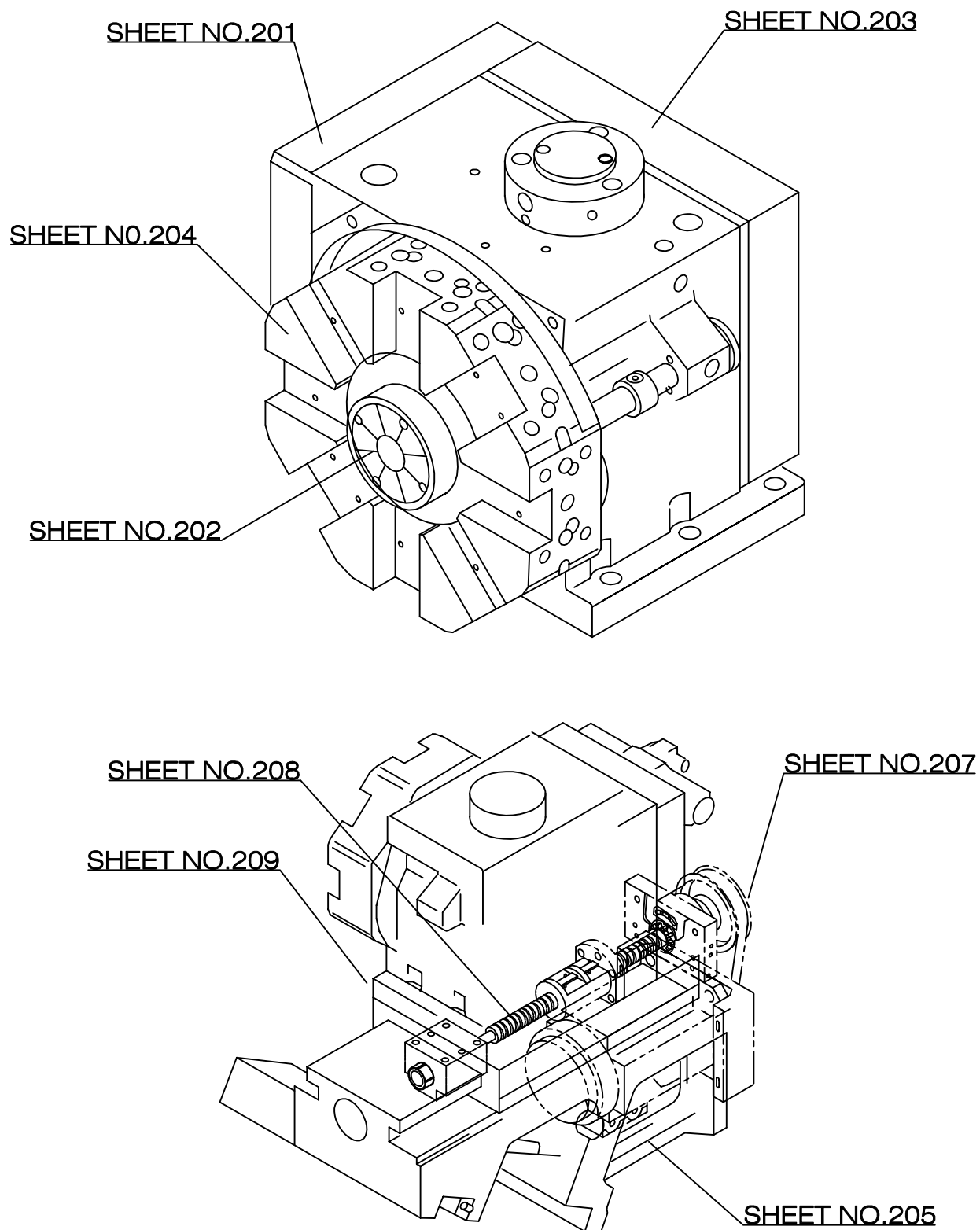


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
109-001	7987-3402-50	-----	BELT BANDO RIBACE 10PK 2500	2
109-002	7056-5351-16	C5010-120551	BOLT,socket-head 12x55	4
109-003	4163-3513-91	-----	KEY	1
109-005	4163-3512-91	-----	PULLEY	1
109-006	7952-1550-85	-----	SANKI SCE201SH 55X85	1
109-008	4163-6628-92	-----	COVER	1
109-009	7190-4108-12	-----	BOLT button head socket 8x12	2
109-010	4163-3501-91	-----	BASE	1
109-011	4163-3502-91	-----	BASE	1
109-012	7056-5339-16	C5010-120351	BOLT,socket-head 12x35	4
109-013	7057-5351-16	C5000-120551	BOLT,socket-head 12X55	3
109-014	7098-5300-02	C5140-000121	WASHER,spring 12	3
109-015	7096-5300-02	C5150-000121	WASHER,plain 12	3
109-016	7098-5300-02	C5140-000121	WASHER,spring 12	1
109-017	7096-5300-02	C5150-000121	WASHER,plain 12	1
109-018	4163-3503-90	562-0100-18	BOLT	1
109-019	7062-5361-17	5002-120701	BOLT,12x70	1
109-020	7079-5300-12	C5100-000121	NUT,hex.No3 12	1
109-021	41U10-A091-5100	E1005-892-192	MOTOR YASKAWA VAC-YMMC11/7.5R-054-R1	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

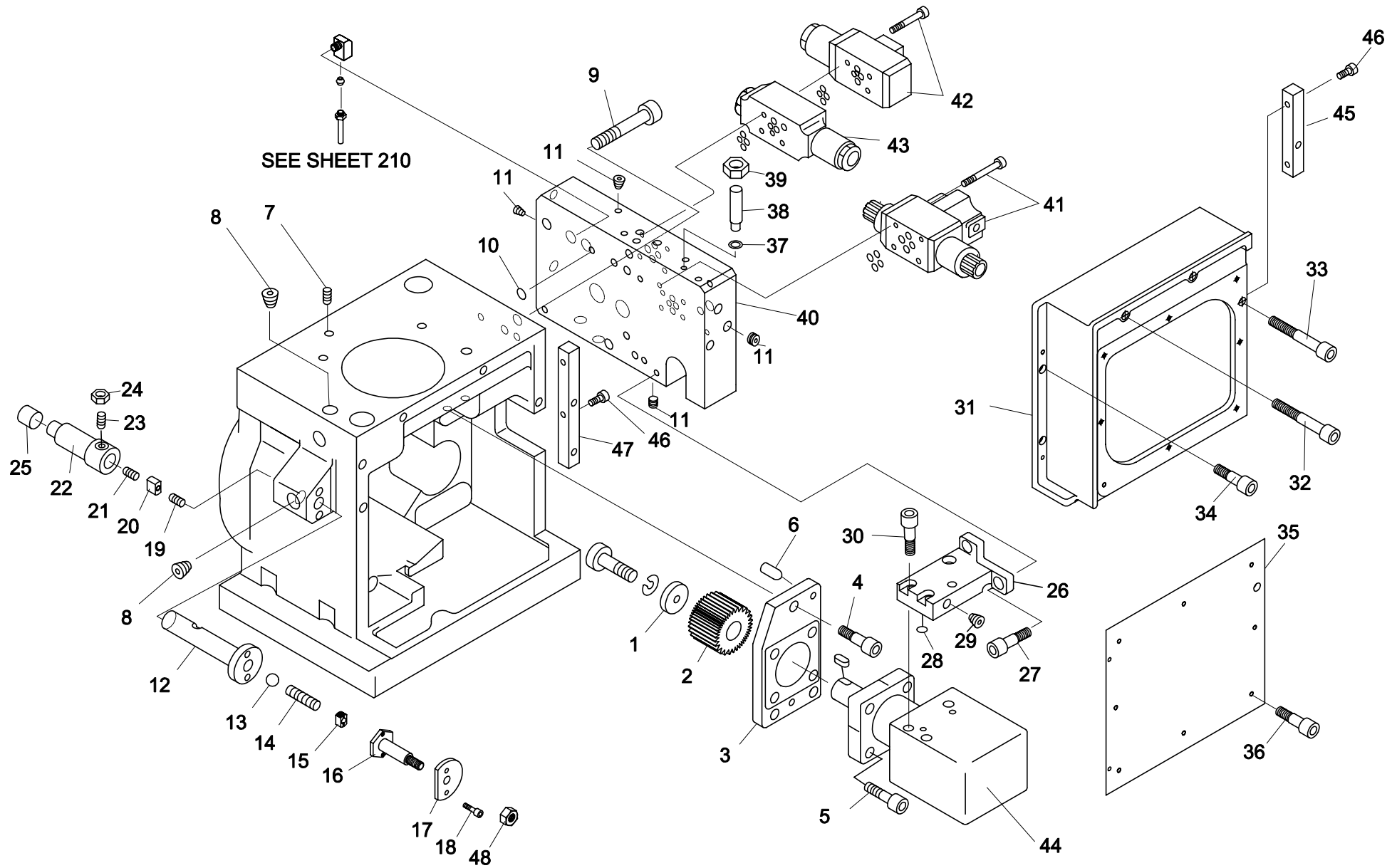


(3) TURRET GROUP

~CONTENTS~

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203	INDEX TURRET (3).....	207
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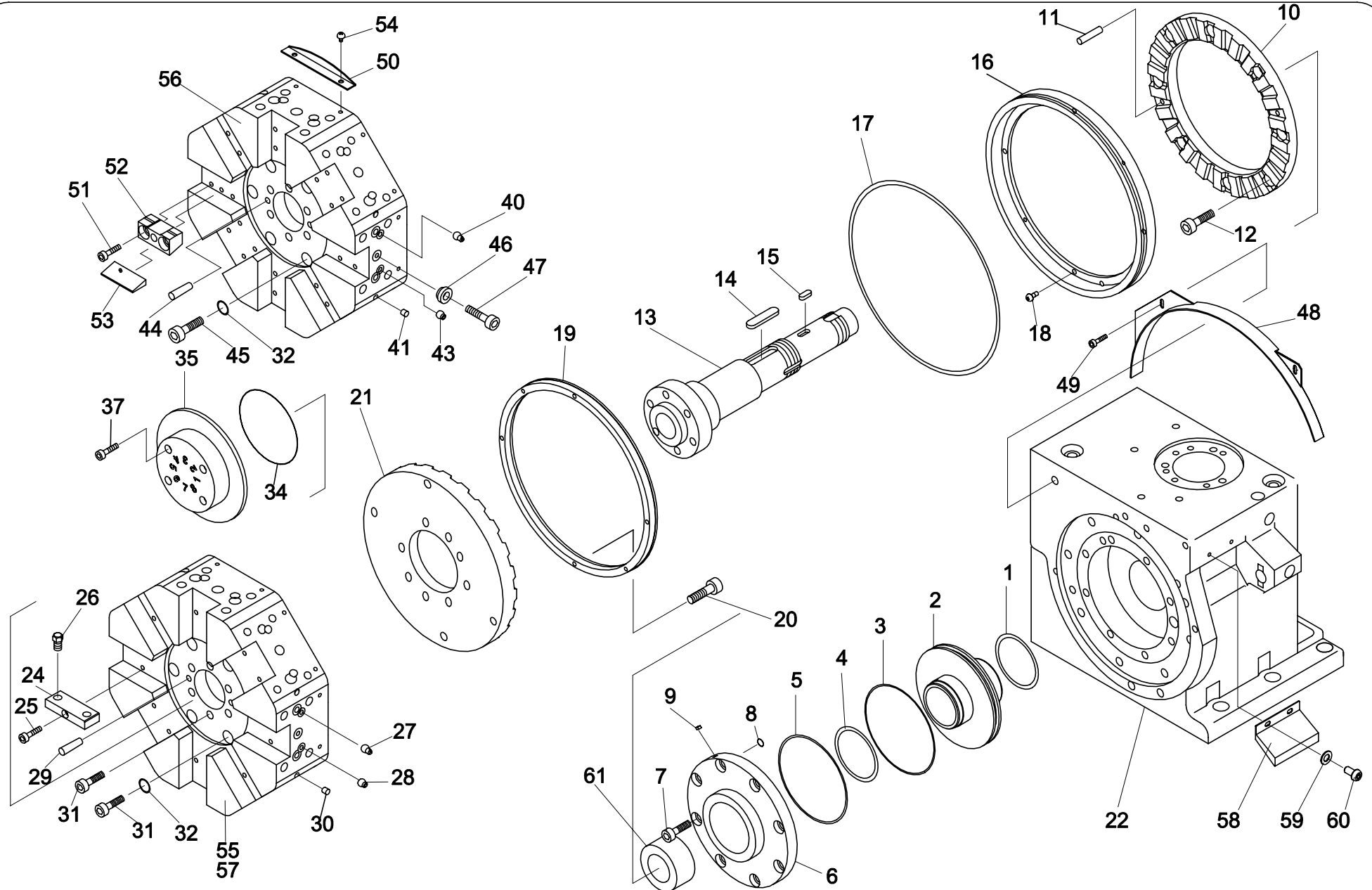
SHEET NO.201 INDEX TURRET (1)



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
201-001	4162-2003-90	551-0300-62	COLLAR	1
201-002	4162-2004-90	561-0300-35	GEAR	1
201-003	4162-2005-90	561-0300-07-01	BASE	1
201-004	7057-5035-16	C5010-100301	BOLT,socket-head 10x30	3
201-005	7056-5022-16	C5010-100161	BOLT,socket-head 10x16	4
201-006	7955-0060-28	C0201-060281	ITP 6x28	2
201-007	7931-3080-08	C5250-080080	PLUG 8x8	4
201-008	7931-4300-02	C7861-0000-22	PLUG,socket-head 3/8	3
201-009	7057-5059-16	C5010-100651	BOLT,socket-head 10x65	4
201-010	7933-2001-05	C6110-000P10	O-RING P10	7
201-011	7931-4300-00	C7861-000002	PLUG,socket-head 1/8	20
201-012	4162-9995-90	-----	CONNECTOR	1
201-013	7204-0095-00	C5901-000950	BALL.steel 3/8	1
201-014	7940-3115-01	M109-0012-73	SPRING 1.6x0.6x60x15	1
201-015	4162-9996-90	-----	BOLT	1
201-016	4162-9997-90	-----	CONNECTOR	1
201-017	4162-9998-90	-----	RING	1
201-018	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	2
201-019	7124-3916-12	C5035-006121	SET-SCREW 6x12	1
201-020	4162-9999-90	-----	COLLAR	1
201-021	7123-3906-12	C5036-006061	SET-SCREW 6x6	1
201-022	4162-9994-90	-----	SLEEVE	1
201-023	7124-3916-12	C5035-006121	SET-SCREW 6x12	1
201-024	7079-3900-12	C5100-000061	NUT,hex No.3 6	1
201-025	4162-2010-90	H1020-0014-04	PACKING 7x11x10	1
201-026	4162-2006-90	561-0300-15-02	JOINT	1
201-027	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	2
201-028	7933-2301-25	F109-0000-56	O-RING NOK CO-0409	2
201-029	7931-4300-00	C7861-000002	PLUG,socket-head 1/8	1
201-030	7056-4731-16	C5010-080251	BOLT,socket-head 8x25	3
201-031	4162-2007-90	561-0300-26-02	BOX	1
201-032	7057-3969-16	J9811-7600-060090	BOLT,socket-head 6x90	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
201-033	7057-3965-16	J9811-7600-060080	BOLT,socket-head 6x80	1
201-034	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	2
201-035	4162-2008-90	561-0300-25-02	CAP	1
201-036	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	8
201-037	7933-2000-55	C6110-0000P5	O-RING P5	1
201-038	4162-2009-90	118-3000-34-1	VALVE	1
201-039	7079-5300-12	C5100-000121	NUT,hex.No3 12	1
201-040	4162-2002-90	561-0300-02-06	MANIFOLD	1
201-041	7905-0445-13	-----	SOL.D DOFLUID DFB-3C4-D2	1
201-042	7905-2434-12	-----	SOL.D DOFLUID DFB02-2B2	1
201-043	7908-0061-03	-----	SPEED CONTROL TVC-B-02-M	1
201-044	7904-2013-00	H0001-0005-80	OIL MOTOR H-130BA4M-G SUMITOMO	1
201-045	4162-2019-90	561-0300-28	BLOCK	1
201-046	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	4
201-047	4162-2018-90	561-0300-27-03	BLOCK	1
201-048	7079-5300-17	-----	NUT	1

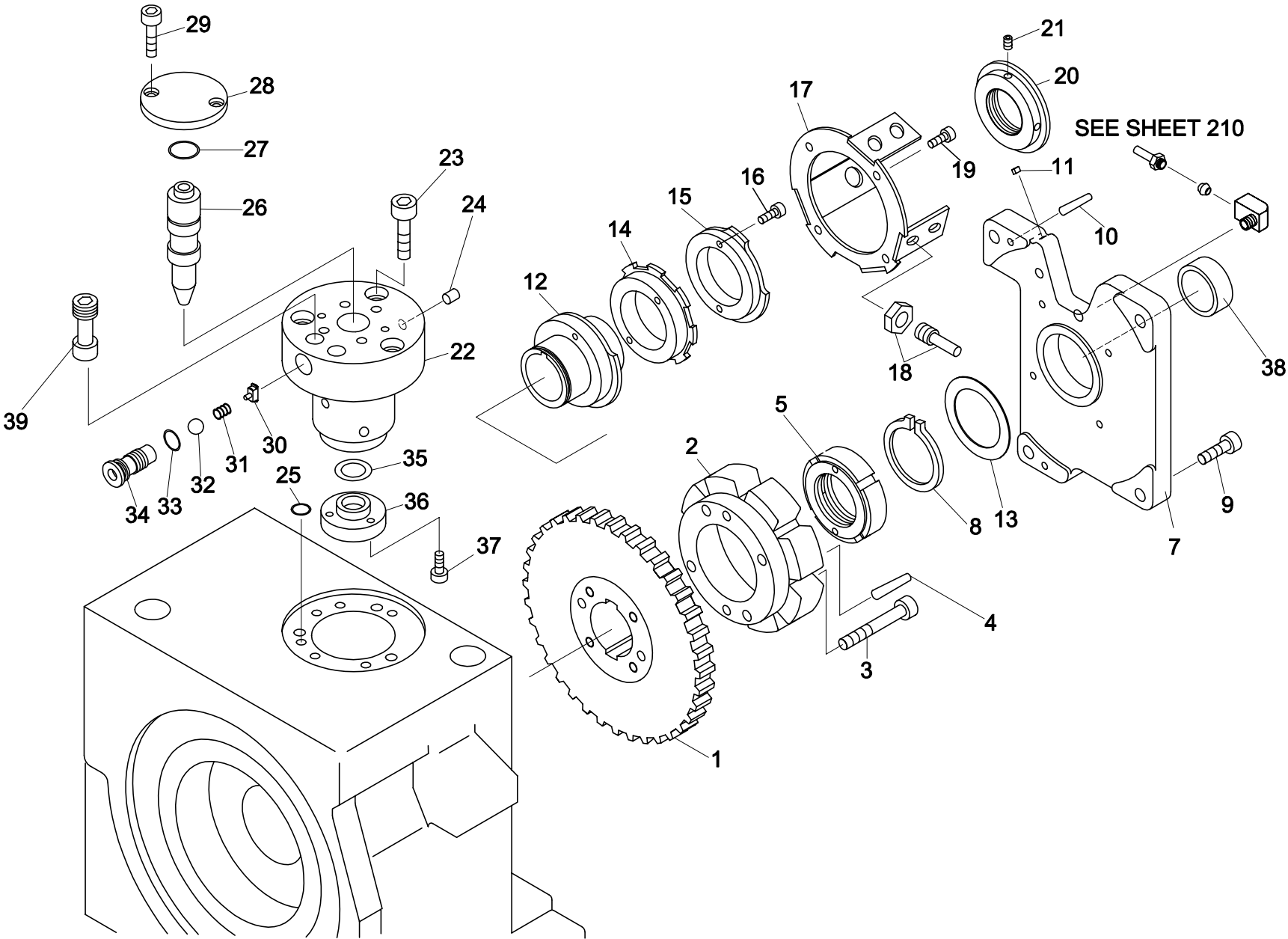
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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
202-001	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN 65.5X78X4.8	1
202-002	4162-2110-91	561-0300-40-02	PISTON	1
202-003	7933-2013-05	C6110-00P130	O-RING P130	1
202-004	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN 65.5X78X4.8	1
202-005	7933-2135-06	C6110-00G135	O-RING G135	1
202-006	4162-2020-90	561-0300-37	FLANGE	1
202-007	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	8
202-008	7933-2001-05	C6110-000P10	O-RING P10	1
202-009	7931-3050-06	C5250-050060	PLUG 5x6	1
202-010	4162-2028-90	118-3020-06-6	CLUTCH	1
202-011	7955-0080-36	C0201-080361	ITP 8x36	2
202-012	7056-5025-16	C5010-100201	BOLT,socket-head 10x20	8
202-013	4162-2030-92	561-0300-03-02	SHAFT	1
202-014	7950-4120-50	C5170-120500	KEY,feather 12x8x50	2
202-015	7950-4070-25	C5170-070250	KEY,feather 7x7x 25	1
202-016	4162-2051-90	561-0300-05-04	GUIDE	1
202-017	7933-4926-51	H0031-0018-63	CAP SEAL NOK SPGR 265X280X3.8	1
202-018	7056-3416-16	C5010-050121	BOLT,socket-head 5x12	4
202-019	4162-2016-90	561-0300-06-01	RINK	1
202-020	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	4
202-021	4162-2027-91	118-3020-05-7	CLUTCH	1
202-022	4162-2001-91	561-0300-01-06	GEAR BOX,turret	1
202-024	4162-2105-90	118-3100-04-1	BLOCK	8
202-025	7056-3935-16	C5010-060301	BOLT,socket-head 6x30	8
202-026	4162-2108-90	127-3300-26	BOLT	16
202-027	4162-2107-90	119-3100-09-3	NOZZLE	8
202-028	4162-2106-90	118-8001-30-1	CAP	8
202-029	7955-0080-32	C0201-080321	ITP 8x32	2
202-030	7931-3080-08	C5250-080080	PLUG 8x8	8
202-031	7056-5039-16	C5010-100351	BOLT,socket-head 10x35	6
202-032	7933-0001-00	H0031-0008-94	SEAL WASHER NOK WF10	6
202-034	7933-2110-05	C6110-00G100	O-RING G100	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
202-035	4162-2160-90	-----	CAP	1
202-037	7056-3939-16	C5010-060351	BOLT,socket-head 6x35	4
202-040	4162-2107-90	119-3100-09-3	NOZZLE	8
202-041	7931-3080-08	C5250-080080	PLUG 8x8	8
202-043	4162-2106-90	118-8001-30-1	CAP	8
202-044	7955-0080-32	C0201-080321	ITP 8x32	2
202-045	7056-5043-16	C5010-100401	BOLT,socket-head 10x40	6
202-046	4162-2104-90	118-3100-03-05	BLOCK	8
202-047	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	8
202-048	4163-2107-90	562-0300-06-02	COVER	1
202-049	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	2
202-050	4163-2106-90	562-0300-02	COVER	8
202-051	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	16
202-052	4162-2152-91	118-8005-30-01	BLOCK (V8MM TAPER BLOCK)	8
202-053	4162-2151-90	118-8005-31	SHIM (V8MM TAPER BLOCK)	8
202-054	7003-3411-12	C5040-005081	SCREW,pan-head 5x8	16
202-055	4163-2101-90	562-0310-01-06	TURRET (V8 M)	1
202-056	4163-2102-90	562-0310-02-03	TURRET (V8 MQ)	1
202-057	4163-2103-90	562-0310-03-03	TURRET (V8 IQ)	1
202-058	4163-2111-90	-----	COVER	1
202-059	7096-3900-06	C5140-000061	WASHER,polished 6	2
202-060	7190-4106-10	-----	BOLT button head socket 6x10	2
202-061	7215-7653-00	M004-MB6530DU	BEARING TATUNG MB6530DU	1

SHEET NO.203 INDEX TURRET (3)

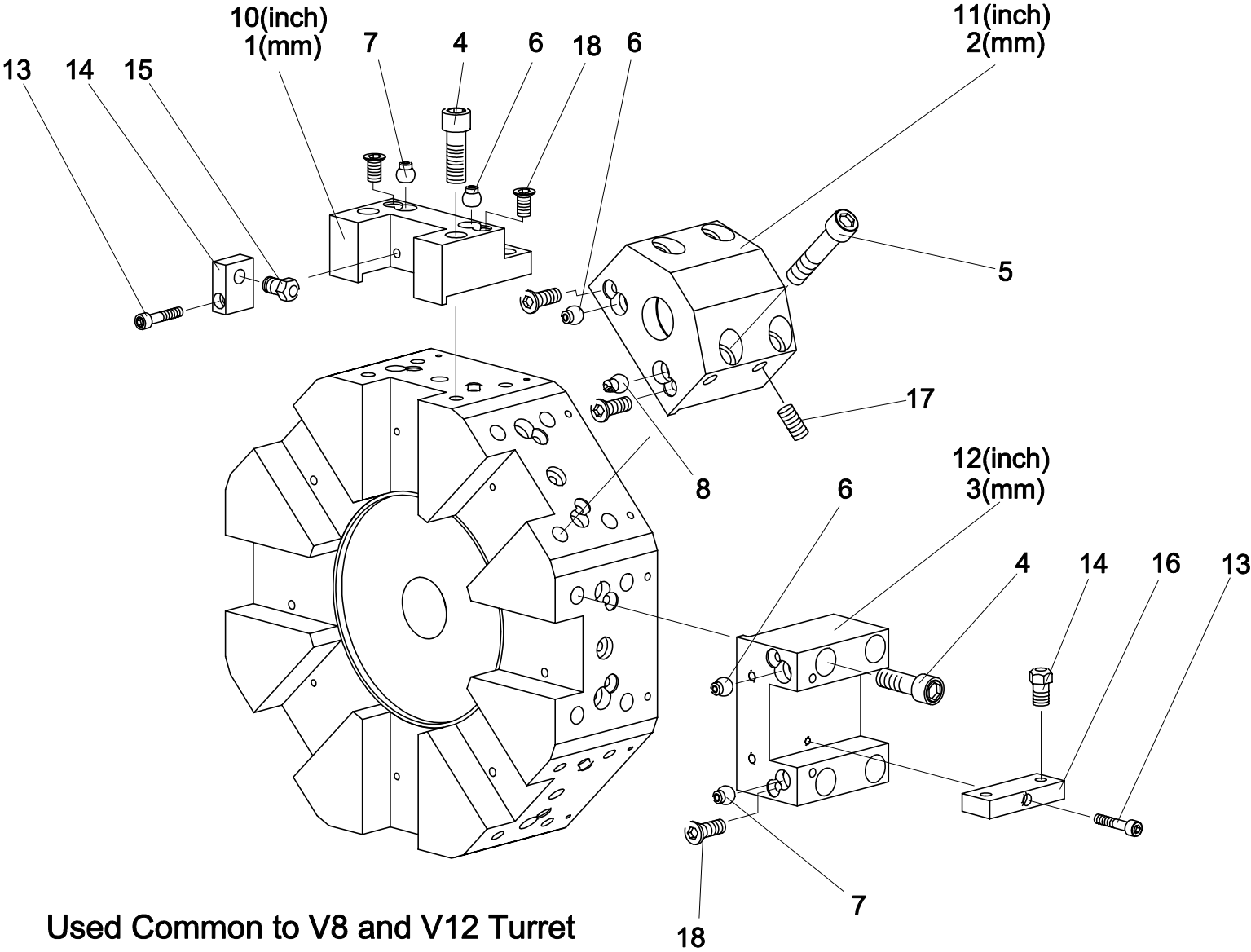


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
203-001	4162-2031-90	561-0300-08-01	GEAR	1
203-002	4162-2032-90	561-0300-09-03	CAM	1
203-003	7057-4751-16	C5010-080551	BOLT,socket-head 8x55	4
203-004	7955-0080-36	C0201-080361	ITP 8x36	2
203-005	7953-5204-52	561-0300-36-04	NUT YINSH YSF M45P1.5	1
203-006	7056-3416-16	C5010-050121	BOLT,socket-head 5x12	2
203-007	4162-2039-90	561-0300-14-05	PLATE	1
203-008	7105-1050-01	C5180-000500	SNAP-RING,external 50	1
203-009	7056-5039-16	C5010-100351	BOLT,socket-head 10x35	4
203-010	7955-0060-32	C0201-060321	ITP 6x32	2
203-011	7931-3050-06	C5250-050060	PLUG 5x6	1
203-012	4162-2047-91	561-0300-10-02	CAM	1
203-013	4162-2034-90	118-3020-82	BEARING AS-1110	1
203-014	4162-2035-90	561-0300-11	CAM	1
203-015	4162-2036-91	561-0300-12-02	CAM	1
203-016	7056-3435-16	C5010-050301	BOLT,socket-head 5x30	2
203-017	4162-2037-90	561-0300-16-02	SUPPORT	1
203-018	6455-6144-10	E3020-891-057	SENSOR CANAAN BES-516-542-B0-H	6
203-019	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	4
203-020	4162-2038-90	561-0300-13-02	DOG	1
203-021	7124-3911-12	C5036-006081	SET-SCREW 6x8	4
203-022	4162-2025-91	561-0300-57-02	CYLINDER	1
203-023	7057-5043-16	C5010-100401	BOLT,socket-head 10x40	3
203-024	7931-3080-08	C5250-080080	PLUG 8x8	13
203-025	7933-2001-05	C6110-000P10	O-RING P10	6
203-026	4162-2043-91	561-0300-45-01	SPOOL	1
203-027	7933-2002-15	C6110-000P21	O-RING P21	1
203-028	4162-2044-90	561-0300-20-03	COVER	1
203-029	7056-3919-16	C5013-060141	BOLT,socket-head 6x14	2
203-030	4162-2022-90	561-0300-34-01	CAP	1
203-031	7940-3105-01	M101-07078-01005	SPRING 0.7x7.8x10x5	1
203-032	7204-0079-00	C5901-000790	BALL,steel 5/16	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
203-033	7933-2001-45	C6110-000P14	O-RING P14	1
203-034	4162-2042-90	561-0300-44	SHAFT	1
203-035	7933-4918-01	H0031-0008-92	PACKING NOK SPN M18X26X5.5	1
203-036	4162-2040-90	118-3000-27-5	CAP	1
203-037	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	3
203-038	7200-4100-84	M004-DB5020	BEARING DB5020	1
203-039	4162-2026-90	561-0300-58-01	VALVE	1

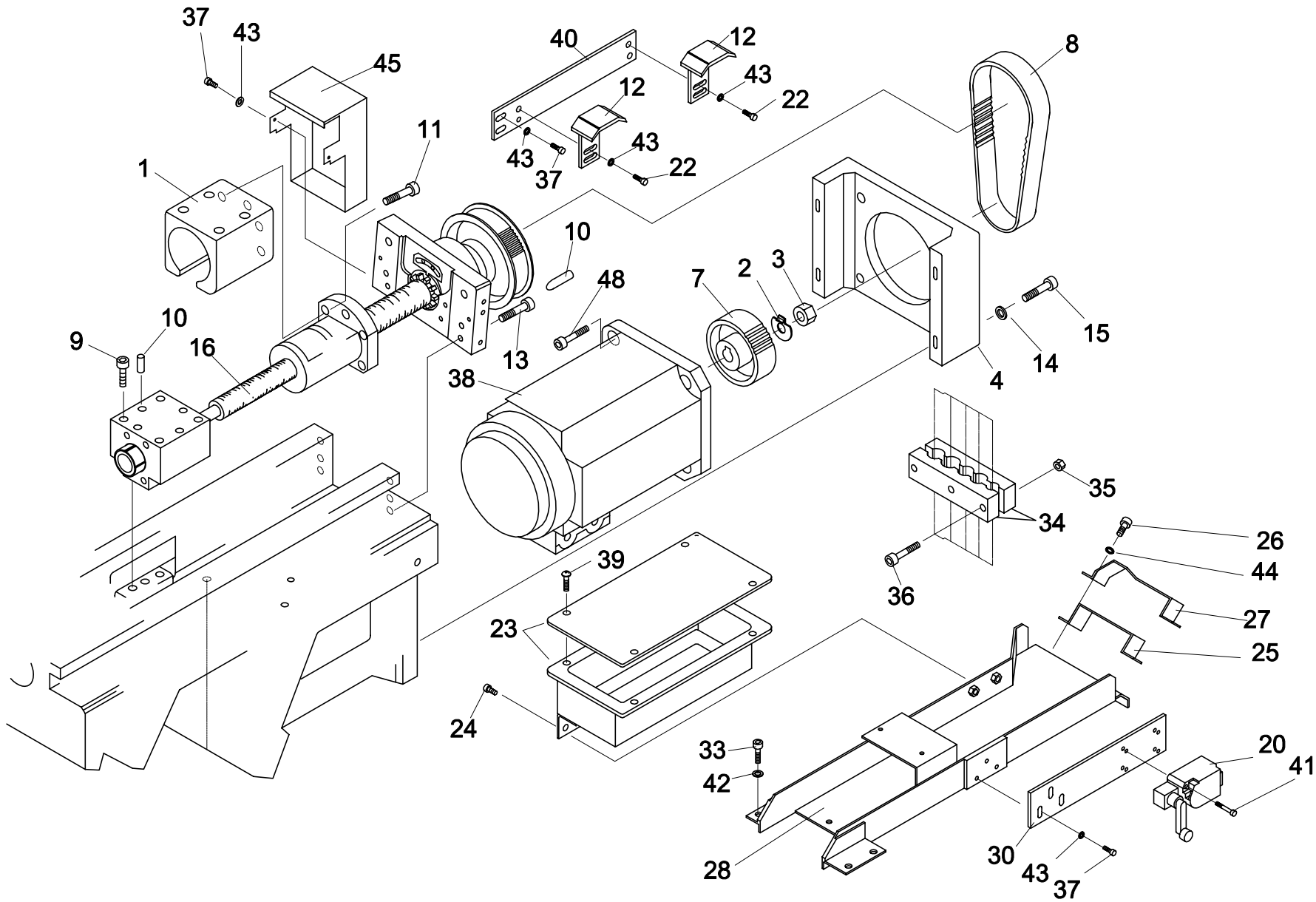
SHEET NO.204 HOLDER



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
204-001	4162-2202-92	-----	OD HODER TYPE I (V8 MM)	2
204-002	4162-2204-90	555-2200-40	ID HODER (V8 MM)	4
204-003	4162-2203-91	-----	OD HODER TYPE II (V8 MM)	2
204-004	7057-5355-16	C5010-120601	BOLT,socket-head 12x60	16
204-005	7057-5343-16	C5010-120401	BOLT,socket-head 12x40	16
204-006	4162-2106-90	118-8001-30-1	CAP	8
204-007	4162-2107-90	119-3100-09-3	NOZZLE	4
204-008	4162-2112-91	119-3100-08-2	NOZZLE	4
204-010	4162-2211-90	560-2100-01	OD HODER TYPE I (V8 INCH)	2
204-011	4162-2213-90	118-8002-90-3	ID HODER (V8 INCH)	4
204-012	4162-2212-90	560-2100-02	OD HODER TYPE II (V8 INCH)	2
204-013	7056-3935-16	C5010-060301	BOLT,socket-head 6x30	8
204-014	4162-2111-90	-----	BLOCK	2
204-015	4162-2108-90	127-3300-26	BOLT	6
204-016	4162-2105-90	118-3100-04-1	BLOCK	2
204-017	7122-5435-12	-----	SET-SCREW 14x30	8
204-018	7190-4106-01	H1001-0013-75	BOLT	16

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.205 X-AXIS DRIVE UNIT (1)

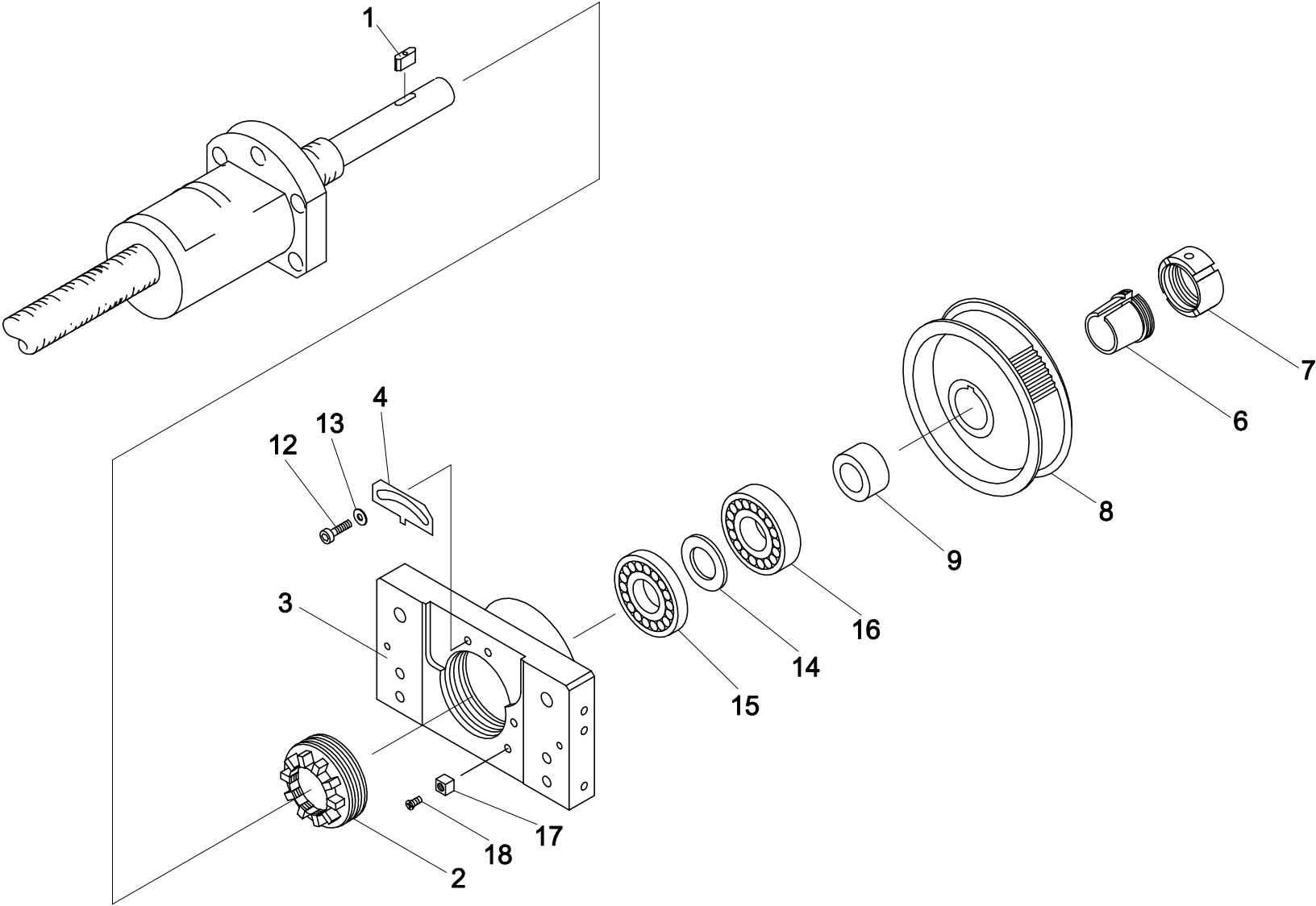


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
205-001	4162-1401-90	545-0205-02-03	HOUSING	1
205-002	4162-1417-90	118-2100-86-1	WASHER	1
205-003	4162-1416-90	118-2100-85	NUT	1
205-004	4162-1404-91	551-0230-06-04	BASE	1
205-007	4162-1413-91	H1019-0009-19-1	STS PULLEY	1
205-008	7987-8256-80	M119-0015-10	STS BELT BANDO 250S8M680	1
205-009	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	4
205-010	7955-0080-36	C0201-080361	ITP 8x36	4
205-011	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	5
205-012	4162-6647-91	-----	DOG	2
205-013	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	4
205-014	7098-5300-02	C5140-000121	WASHER,spring 12	4
205-015	7057-5369-16	C5010-120901	BOLT,socket-head 12x90	4
205-016	4163-1402-91	-----	BALL SCREW HIWIN CRMO 32X12-782	1
205-020	6455-3653-06	-----	L S (AE5104-2)	1
205-022	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
205-023	4162-1316-90	-----	TERMINAL BOX SPHC	1
205-024	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	2
205-025	4162-1421-90	H1020-1147--54-1	PLATE,rubber	1
205-026	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
205-027	4162-1425-90	561-1000-04	PLATE	1
205-028	4163-6639-91	-----	SUPPORT	1
205-030	4162-6649-91	-----	PLATE	1
205-033	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	4
205-034	4162-1431-92	-----	HOLDER 45x154x30	3
205-035	7079-3900-12	C5100-000061	NUT,hex No.3 6	6
205-036	7057-3948-16	C5010-060501	BOLT,socket-head 6x50	6
205-037	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	2
205-038	7999-3508-01	A005-4220	BL-MC100J-20TB	1
205-039	7001-2606-16	C5040-004061	SCREW,pan-head 4x6	4
205-040	4163-6648-91	-----	SUPPORT	1
205-041	7001-2639-16	-----	SCREW,pan-head 4x35	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
205-042	7096-4700-06	C5140-000081	WASHER,polished 8	4
205-043	7096-3900-06	C5140-000061	WASHER,polished 6	11
205-044	7096-3900-06	C5140-000061	WASHER,polished 6	2
205-045	4162-1406-91	551-0230-11-07	COVER	1
205-048	7057-5043-16	C5010-100401	BOLT,socket-head 10x40	4

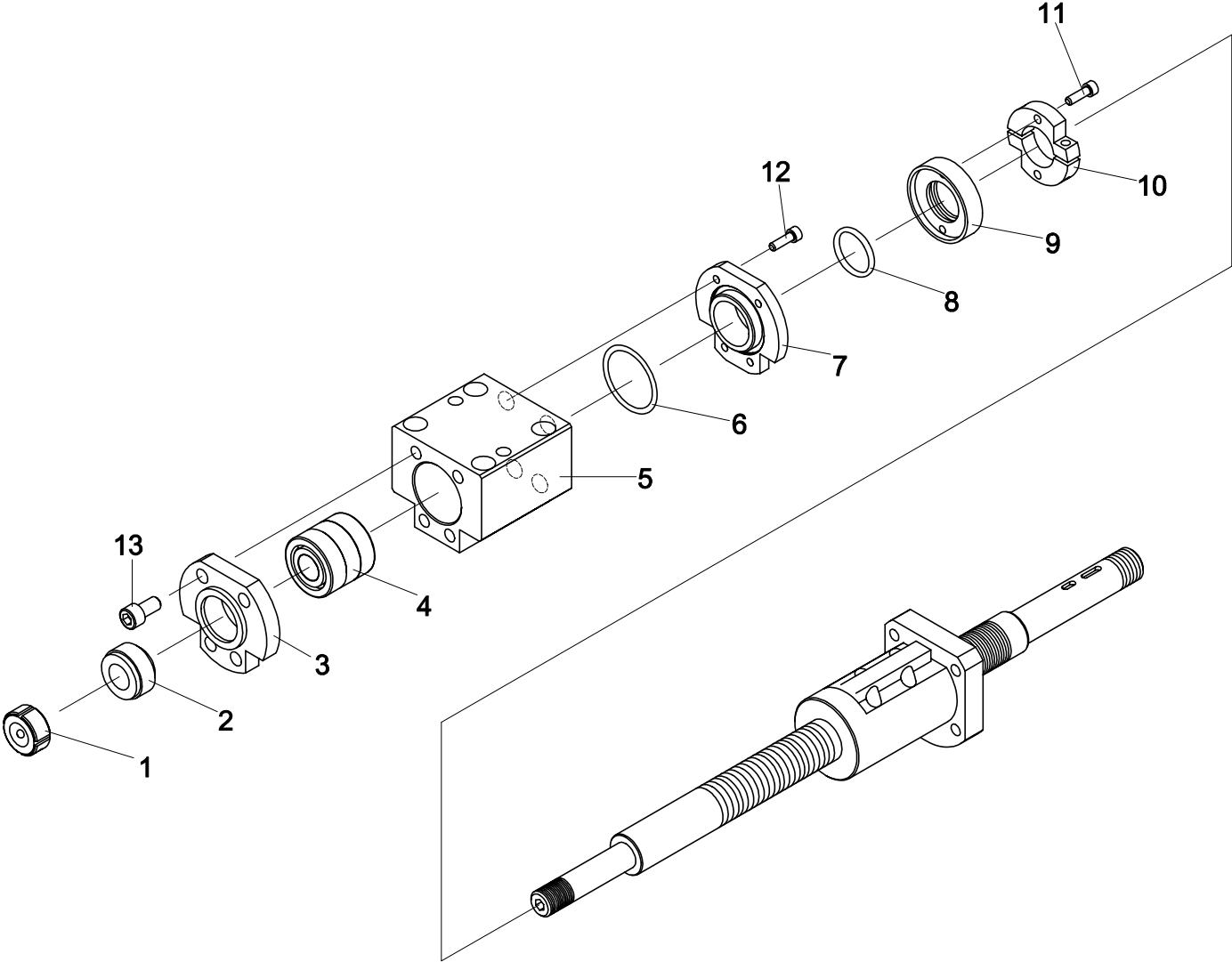
SHEET NO.207 X-AXIS DRIVE UNIT (2)



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
207-001	4162-1418-90	522-0220-23	KEY	1
207-002	4162-1411-90	555-0230-21-06	NUT	1
207-003	4162-1403-91	551-0230-05-09	BRACKET	1
207-004	4162-1412-90	555-0230-22	STOPPER	1
207-006	4162-1405-90	551-0230-10	BUSHING	1
207-007	4162-1409-90	555-0230-11-02	NUT YINSH YSF M25P1.5	1
207-008	4162-1414-91	H1019-0009-70-1	STS PULLEY	1
207-009	4162-1438-90	554-0200-25	COLLAR	1
207-012	7062-3911-12	C5000-060081	BOLT 6x8	2
207-013	7096-3900-06	C5140-000061	WASHER,polished 6	2
207-014	7213-0110-50	M000-AS1105	BEARING NTN AS1105	1
207-015	7200-4100-85	M009-0034-03	BEARING NTN 25TAB06U	1
207-016	7201-6305-48	M000-6305LLBP5	BEARING NTN 6305LLBP5	1
207-017	4162-1415-90	H1020-1164-75	STOPPER	1
207-018	7004-3931-12	C5050-006252	SCREW 6x25	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

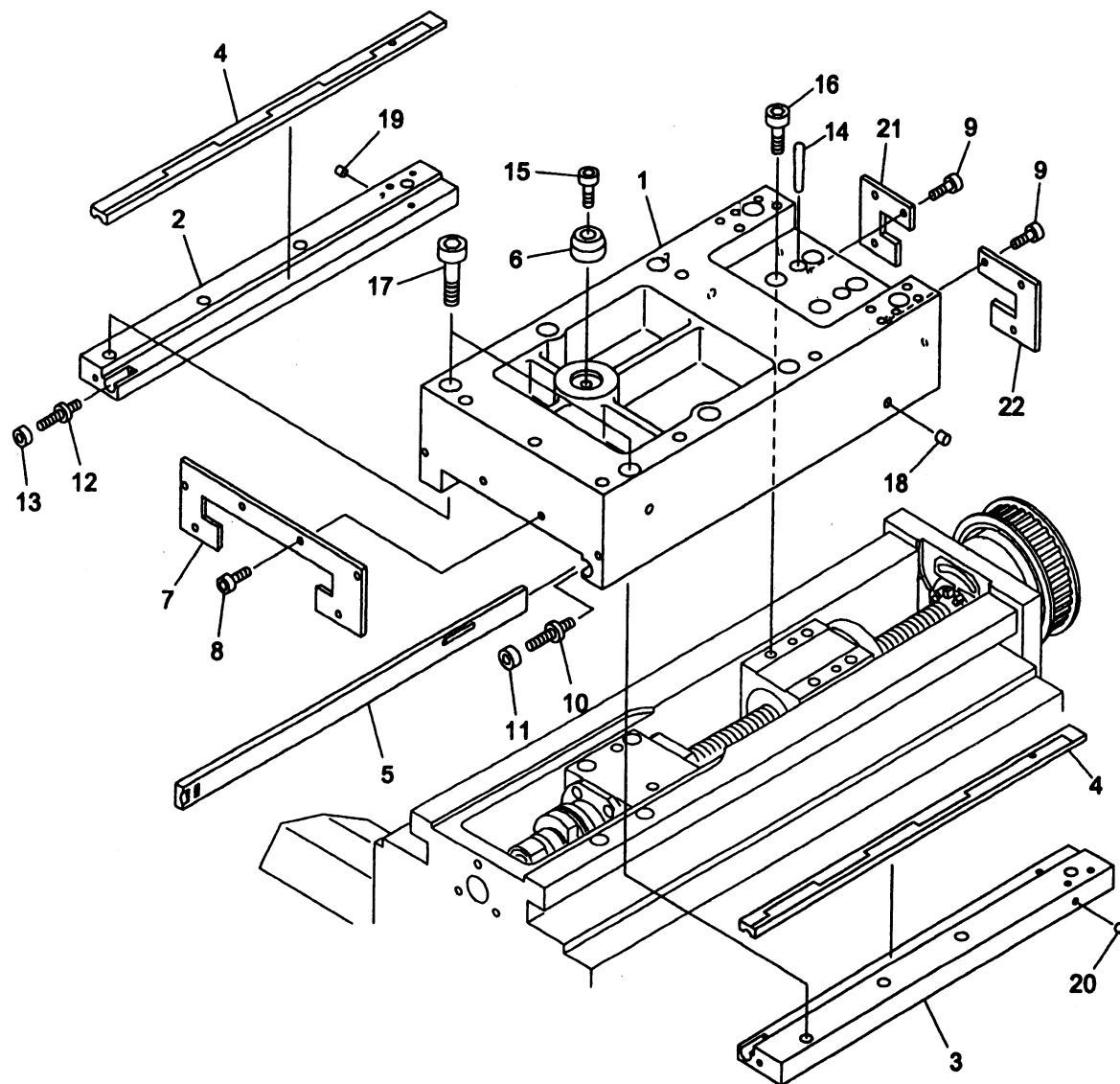
SHEET NO.208 X-AXIS DRIVE (3)



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
208-001	7953-5202-02	555-0230-12-03	NUT YINSH YSF M20P1.5	1
208-002	4162-1434-90	554-0200-10	COLLAR	1
208-003	4162-1433-90	554-0200-09	CAP	1
208-004	7200-4100-82	M009-0034-02	BEARING NTN BST 20X47 P4	3
208-005	4162-1420-90	555-0231-04-04	BRACKET	1
208-006	7933-2104-55	C6110-000G45	O-RING G45	1
208-007	4162-1435-91	-----	CAP	1
208-008	7933-2003-25	C6110-000P32	O-RING P32	1
208-009	4162-1436-90	565-0200-02-01	COLLAR	1
208-010	4162-1437-90	565-0200-03	COLLAR	1
208-011	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	2
208-012	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	4
208-013	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.209 UPPER CROSS-SLIDE INSTALLATION

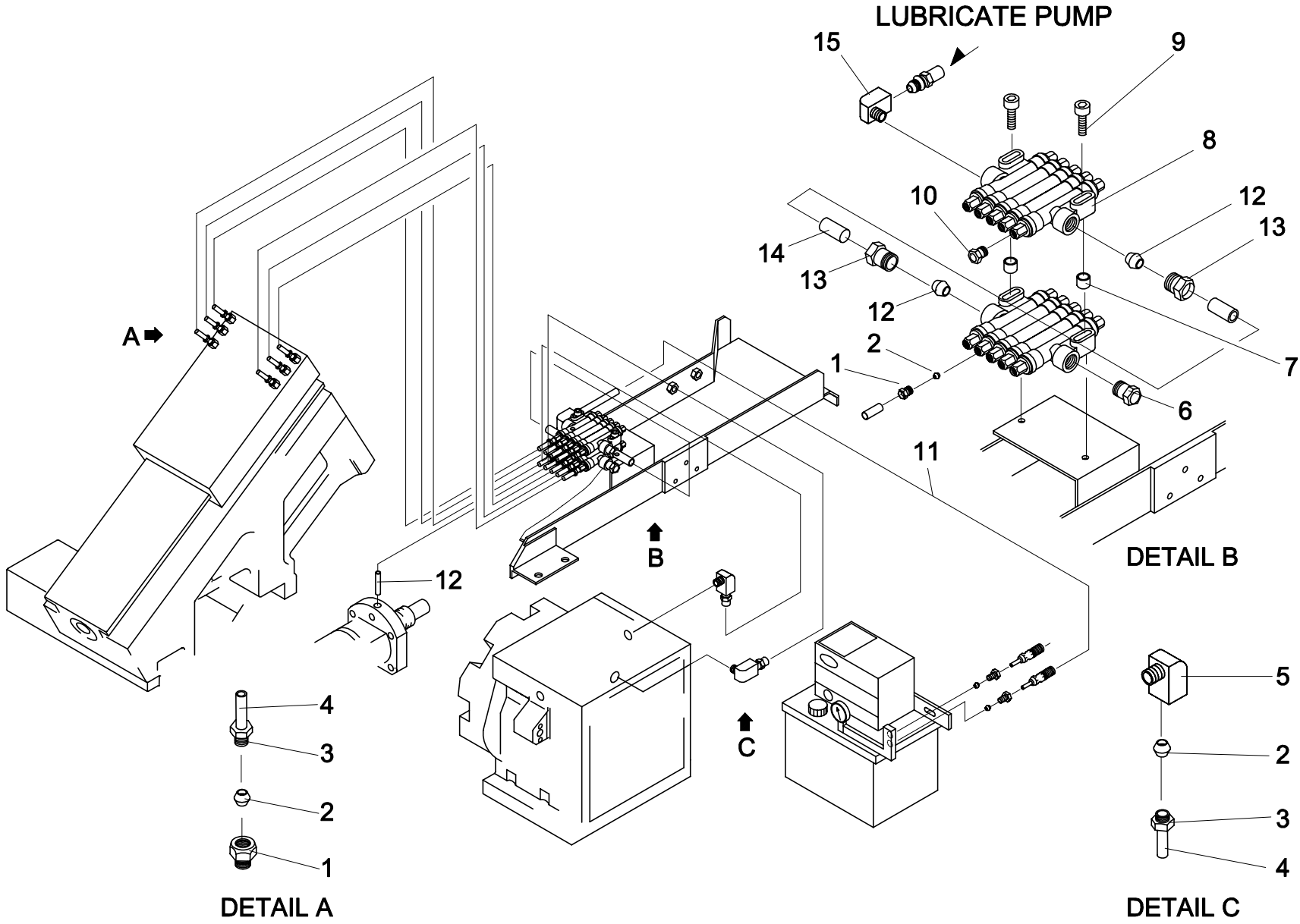


WIPER : 7+21+22=4162-1506-20

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
209-001	4163-1501-90	562-0220-01-04	TABLE	1
209-002	4163-1502-91	562-0220-02-01	PLATE	1
209-003	4163-1505-91	562-0220-05-01	PLATE	1
209-004	4163-1504-91	562-0220-04	GIB	2
209-005	4163-1503-91	562-0220-03	GIB	1
209-006	4162-1513-90	572-0201-08-03	PIN	1
209-007	4162-1506-90	H1023-0023-22	WIPER	1
209-008	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	6
209-009	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	6
209-010	4162-1511-90	108-0301-17-1	SCREW	1
209-011	4121-4105-90	108-0301-18-2	NUT	1
209-012	4162-1509-90	101-0300-13-01	SCREW	2
209-013	4162-1510-90	101-0300-14	NUT	2
209-014	7955-0080-50	C0201-080501	ITP 8x50	2
209-015	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	1
209-016	7057-5051-16	C5010-100551	BOLT,socket-head 10X55	4
209-017	7057-5372-16	C5010-121001	BOLT,socket-head 12X100	8
209-018	7931-3080-08	C5250-080080	PLUG 8x8	2
209-019	7931-3060-06	C5250-060060	PLUG 6x6	1
209-020	7931-3060-06	C5250-060060	PLUG 6x6	1
209-021	4162-1508-90	H1023-0023-29	WIPER	1
209-022	4162-1507-90	H1023-0023-28	WIPER	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

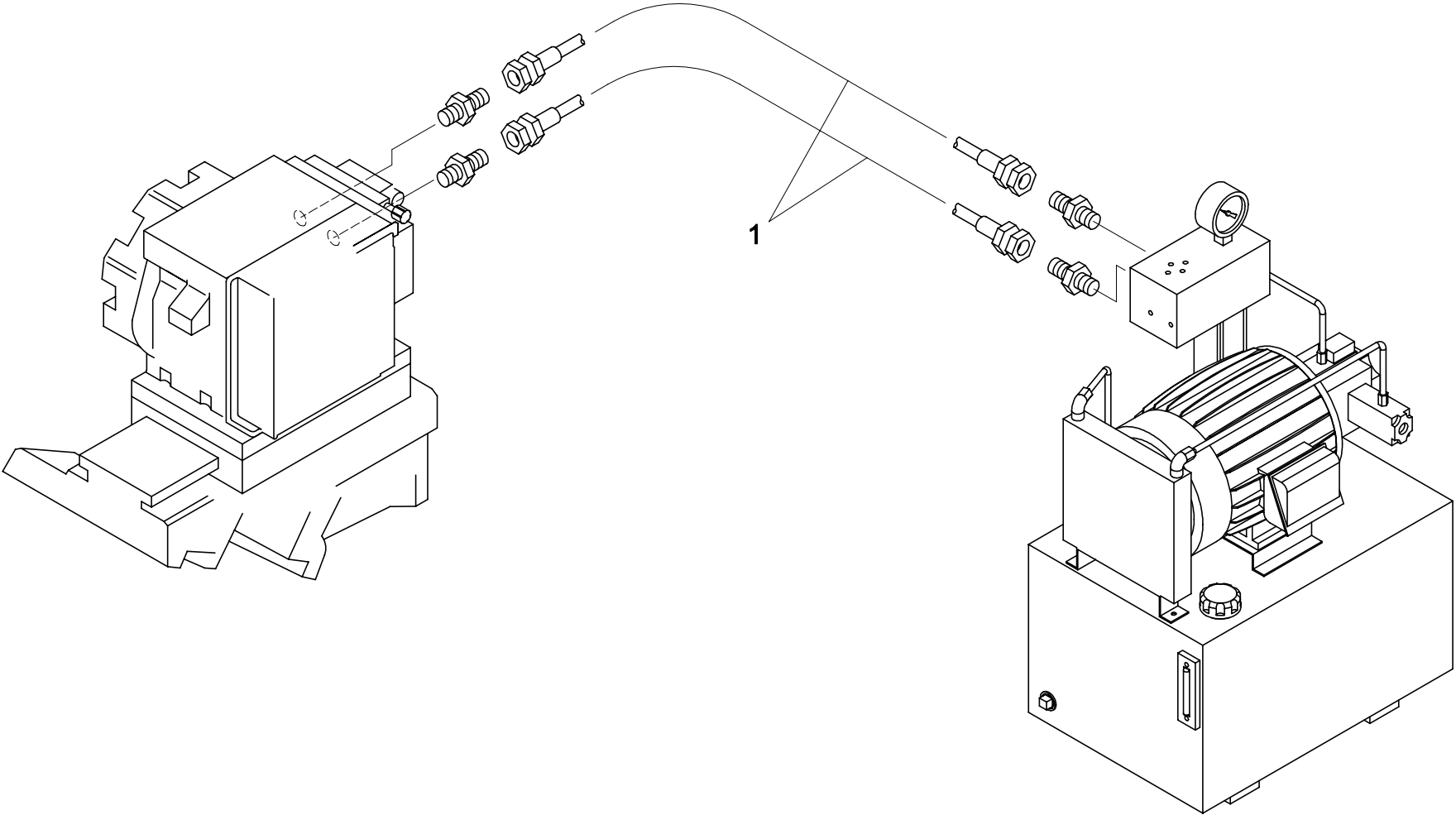
SHEET NO.210 SADDLE AND TURRET LUBRICATION PIPING



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
210-001	7976-0513-04	H0012-000048	NIPPLE PD4	8
210-002	7976-0512-04	H0012-000089	SLEEVE PB4	14
210-003	7976-0511-04	H0012-000088	PLUG PA4	14
210-004	7960-6051-00	----	PIPE nyple 4	1
210-005	7976-0514-04	H0012-000090	ELBOW PH4	2
210-006	7976-0519-10	-----	PLUG PG10C	1
210-007	4162-6442-90	----	COLLAR	2
210-008	7923-0369-15	-----	MANIFOLD CHIBA HBL-5	2
210-009	7056-3425-16	C5010-050201	BOLT,socket-head 5X20	2
210-010	7976-0519-08	----	PLUG PG8C	1
210-011	7963-0063-50	----	HOSE,flexible 6x3500	1
210-012	7976-0512-06	H0012-0001-11	SLEEVE PB6	2
210-013	7976-0511-06	----	PLUG PA6	2
210-014	7960-0604-00	----	PIPE nyple 6	1
210-015	7976-0532-06	----	ELBOW PH6	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.211 TURRET HYDRAULIC PIPING



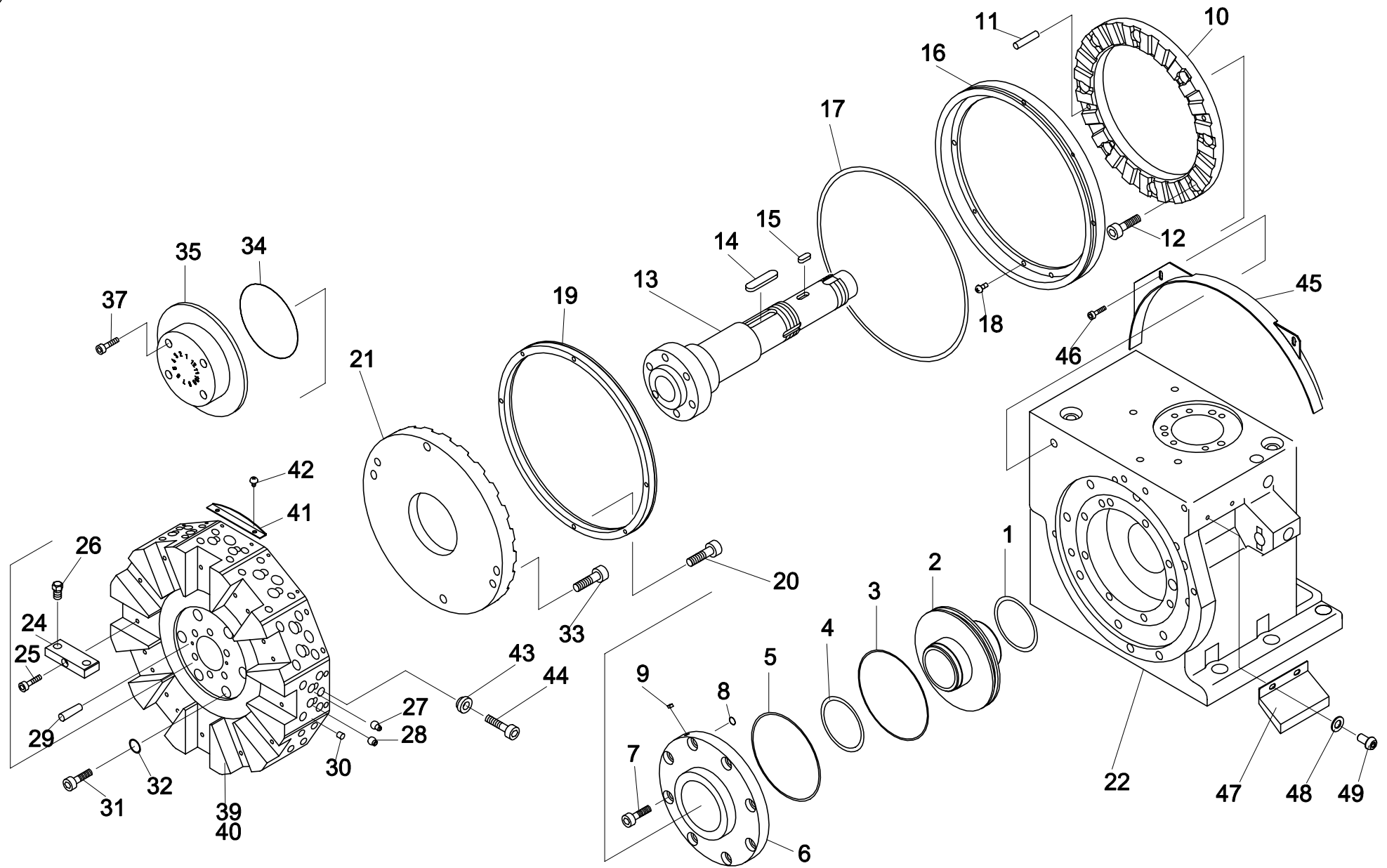
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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
211-001	7961-3122-70	-----	HOSE,hydraulic 12x2700	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

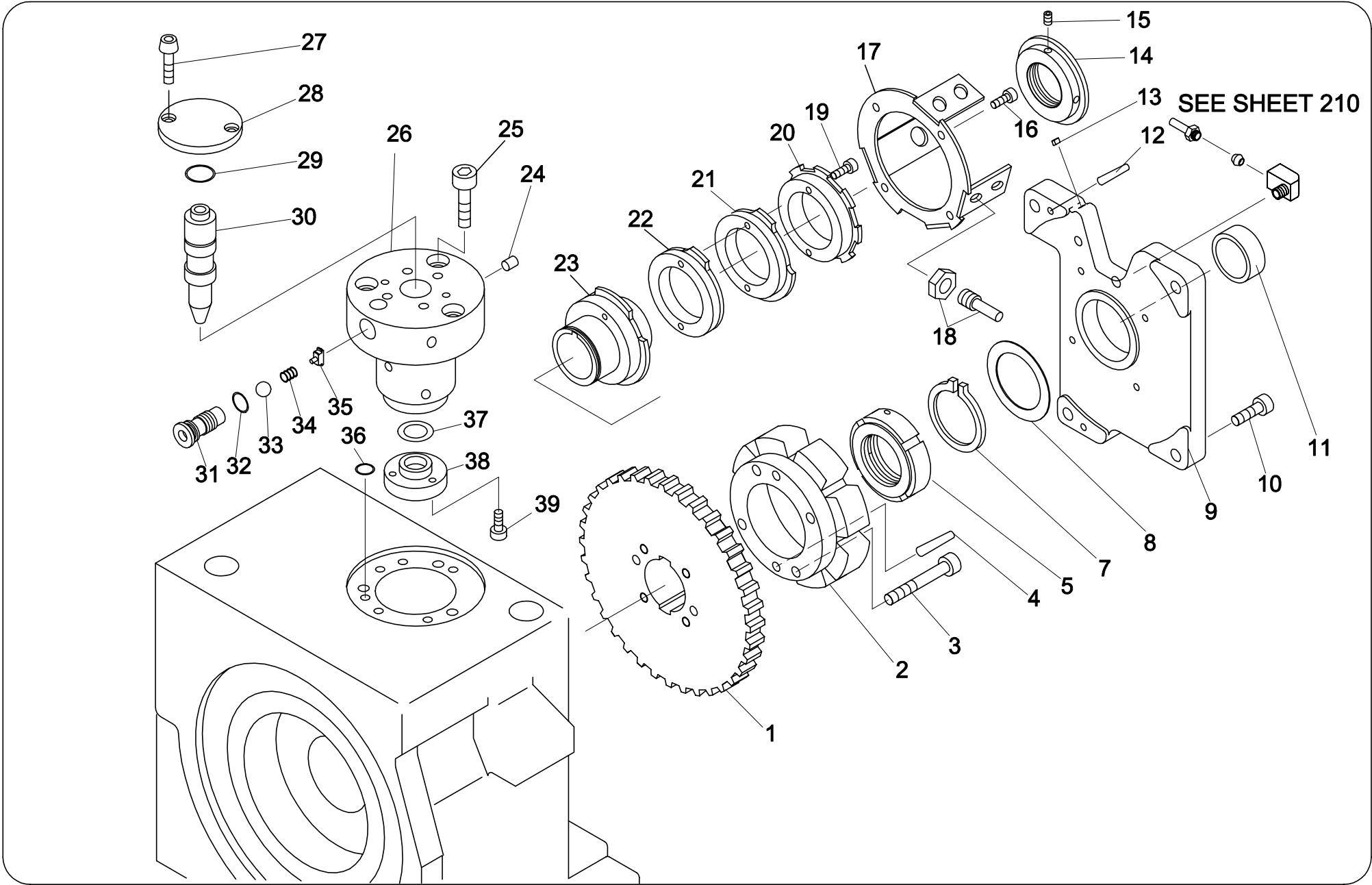
SHEET NO.212 INDEX TURRET V12 (1)



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
212-001	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN	1
212-002	4162-2110-91	561-0300-40-02	PISTON	1
212-003	7933-2013-05	C6110-00P130	O-RING P130	1
212-004	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN	1
212-005	7933-2113-50	C6110-00G135	O-RING G135	1
212-006	4162-2020-90	561-0300-37	FLANGE	1
212-007	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	8
212-008	7933-2001-05	C6110-000P10	O-RING P10	1
212-009	7931-3050-06	C5250-050060	PLUG 5x6	1
212-010	4162-2028-90	118-3020-06-6	CLUTCH	1
212-011	7955-0080-36	C0201-080361	ITP 8x36	2
212-012	7056-5025-16	C5010-100201	BOLT,socket-head 10x20	8
212-013	4162-2030-92	561-0300-03-02	SHAFT	1
212-014	7950-4120-50	C5170-120500	KEY,feather 12x8x50	2
212-015	7950-4070-25	C5170-070250	KEY,feather 7x7x 25	1
212-016	4162-2051-90	561-0300-05-04	GUIDE	1
212-017	7933-4926-51	H0031-0018-63	CAP SEAL NOK SPGR 265X280X3.8	1
212-018	7056-3416-16	C5010-050121	BOLT,socket-head 5x12	4
212-019	4162-2016-90	561-0300-06-01	RINK	1
212-020	7001-3925-16	C5040-006201	SCREW,pan-head 6x20	4
212-021	4162-2027-91	118-3020-05-7	CLUTCH	1
212-022	4162-2001-91	561-0300-01-06	GEAR BOX,turret	1
212-024	4162-2105-90	118-3100-04-1	BLOCK	12
212-025	7056-3935-16	C5010-060301	BOLT,socket-head 6x30	12
212-026	4162-2108-90	127-3300-26	BOLT	24
212-027	4162-2107-90	119-3100-09-3	NOZZLE	12
212-028	4162-2106-90	118-8001-30-1	CAP	12
212-029	7955-0080-32	C0201-080321	ITP 8x32	2
212-030	7931-3080-08	C5250-080080	PLUG 8x8	8
212-031	7056-5043-16	C5010-100401	BOLT,socket-head 10x40	6
212-032	7933-0001-00	H0031-0008-94	SEAL WASHER NOK WF10	6
212-033	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	4

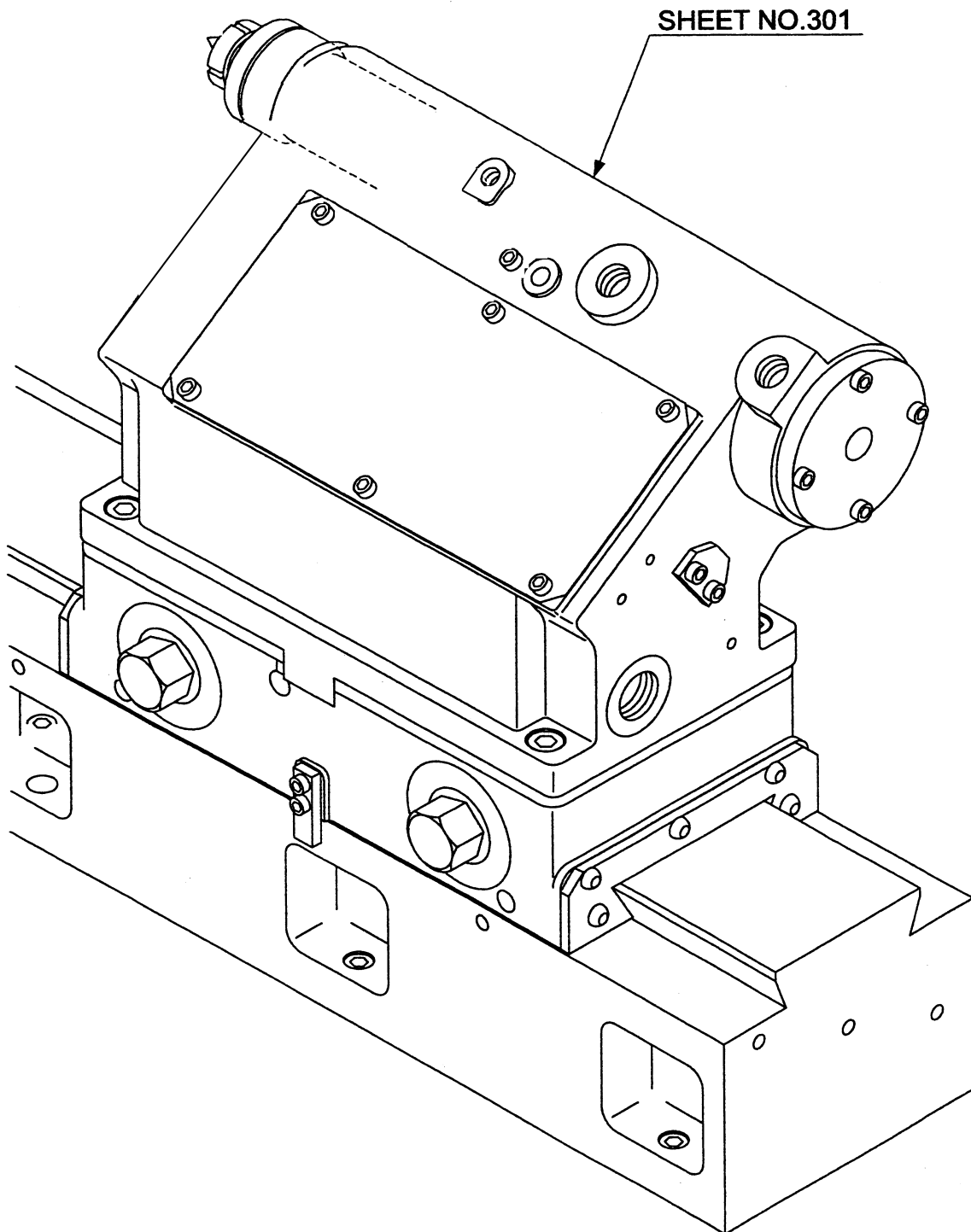
SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
212-034	7933-2110-05	C6110-00G100	O-RING G100	1
212-035	4162-2161-90	-----	CAP	1
212-036	4162-2517-90	H1040-1051-14	NAME PLATE	1
212-037	7056-3939-16	C5010-060351	BOLT,socket-head 6x35	4
212-038	7001-2611-12	C5040-004081	SCREW,pan-head 4x8	4
212-039	4163-2201-90	562-0311-01-03	TURRET	1
212-040	4163-2208-90	562-0311-02-03	TURRET (V12 INCH)	1
212-041	4163-2205-90	562-0300-04	COVER	12
212-042	7003-3409-12	C5040-005081	SCREW,pan-head 5x8	24
212-043	4162-2521-90	112-3300-212	CAM	12
212-044	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	12
212-045	4163-2204-90	562-0300-03-01	COVER	1
212-046	7056-3411-16	C5010-050081	BOLT,socket-head 5x8	2
212-047	4163-2111-90	-----	COVER	1
212-048	7096-3900-06	C5140-000061	WASHER,polished 6	2
212-049	7190-4106-10	-----	BOLT button head socket 6x10	2

SHEET NO.213 INDEX TURRET V12 (2)



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
213-001	4162-2031-90	561-0300-08-01	GEAR	1
213-002	4162-2508-90	561-0300-48	CAM	1
213-003	7057-4751-16	C5010-080551	BOLT,socket-head 8x55	4
213-004	7955-0080-36	C0201-080361	ITP 8x36	2
213-005	4162-2054-90	561-0300-36-04	NUT YINSH YSF M45P1.5	1
213-007	7105-1050-01	C5180-000500	SNAP-RING,external 50	1
213-008	4162-2034-90	118-3020-82	BEARING AS-1110	1
213-009	4162-2039-90	561-0300-14-05	PLATE	1
213-010	7056-5039-16	C5010-100351	BOLT,socket-head 10x35	4
213-011	7200-4100-84	M004-DB5020	BEARING DB5020	1
213-012	7955-0060-32	C0201-060321	ITP 6x32	2
213-013	7931-3050-06	C5250-050060	PLUG 5x6	1
213-014	4162-2514-90	561-0300-54-01	DOG	1
213-015	7214-3909-12	C5036-006081	SET-SCREW 6x8	4
213-016	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	4
213-017	4162-2509-90	561-0300-49-03	SUPPORT	1
213-018	6455-6144-10	E3020-891-057	SENSOR CANAAN BES-516-542-B0-H	8
213-019	7056-2639-16	C5013-040351	BOLT,socket-head 4x35	2
213-020	4162-2513-90	561-0300-53	CAM	1
213-021	4162-2512-90	561-0300-52-01	CAM	1
213-022	4162-2511-90	561-0300-51-01	CAM	1
213-023	4162-2510-90	561-0300-50-01	CAM	1
213-024	7931-3080-08	C5250-080080	PLUG 8x8	13
213-025	7057-5043-16	C5010-100401	BOLT,socket-head 10x40	3
213-026	4162-2025-91	561-0300-57-02	CYLINDER	1
213-027	7056-3919-16	C5013-060141	BOLT,socket-head 6x14	2
213-028	4162-2044-90	561-0300-20-03	COVER	1
213-029	7933-2002-15	C6110-000P21	O-RING P21	1
213-030	4162-2043-91	561-0300-45-01	SPOOL	1
213-031	4162-2042-90	561-0300-44	SHAFT	1
213-032	7933-2001-45	C6110-000P14	O-RING P14	1
213-033	7204-0079-00	C5901-000790	BALL,steel 5/16	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
213-034	7940-3105-01	M101-07078-01005	SPRING 0.7x7.8x10x5	1
213-035	4162-2022-90	561-0300-34-01	CAP	1
213-036	7933-2001-05	C6110-000P10	O-RING P10	6
213-037	7933-4918-01	H0031-0008-92	PACKING NOK SPN M18X26X5.5	1
213-038	4162-2040-90	118-3000-27-5	CAP	1
213-039	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	3

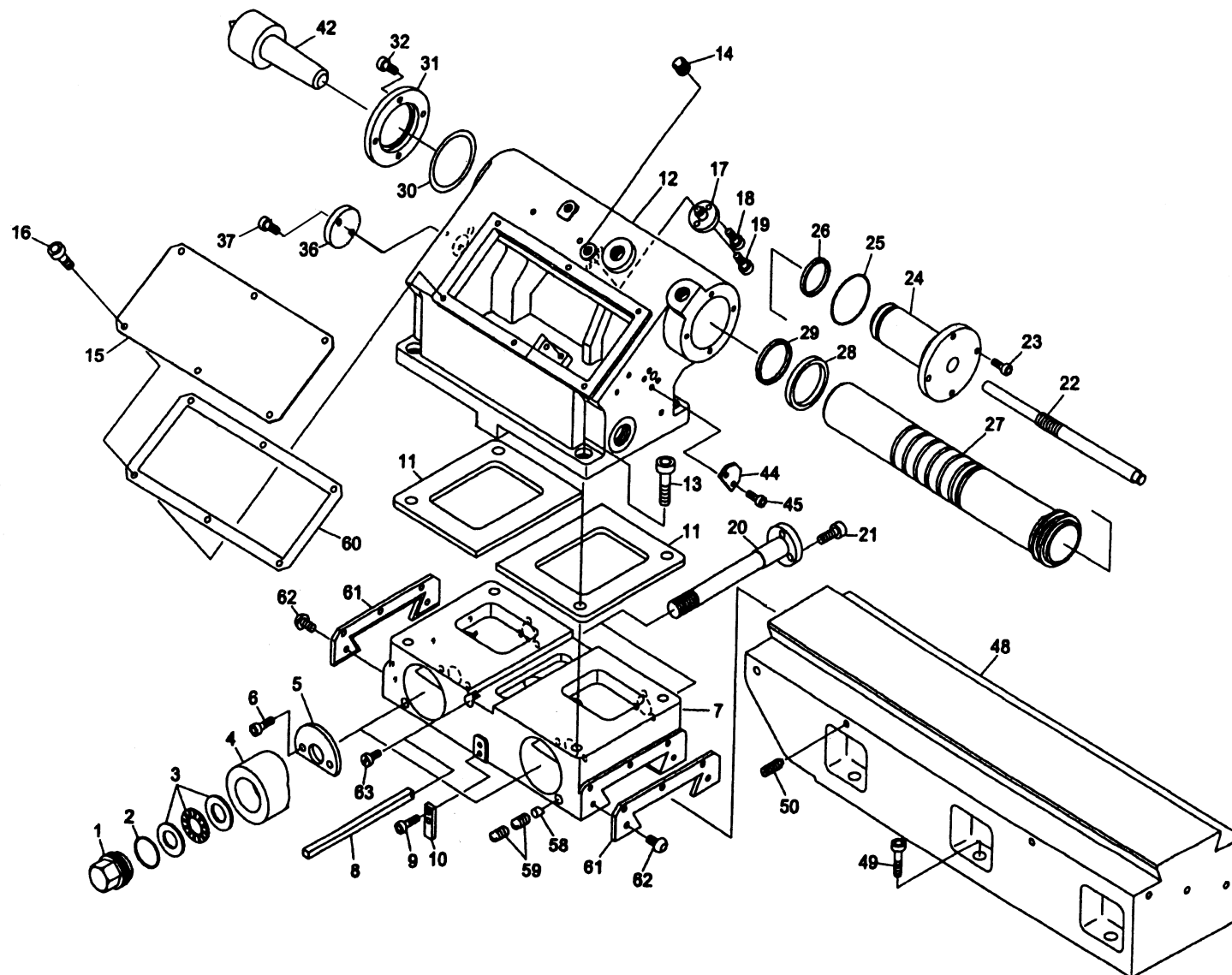


(4) TAILSTOCK GROUP

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SHEET NO.	ASSEMBLY NAME	PAGE
301	TAILSTOCK INSTALLATION	303
302	TAILSTOCK LUBRICATION HYDRAULIC PIPING.....	305

SHEET NO.301 TAILSTOCK INSTALLATION

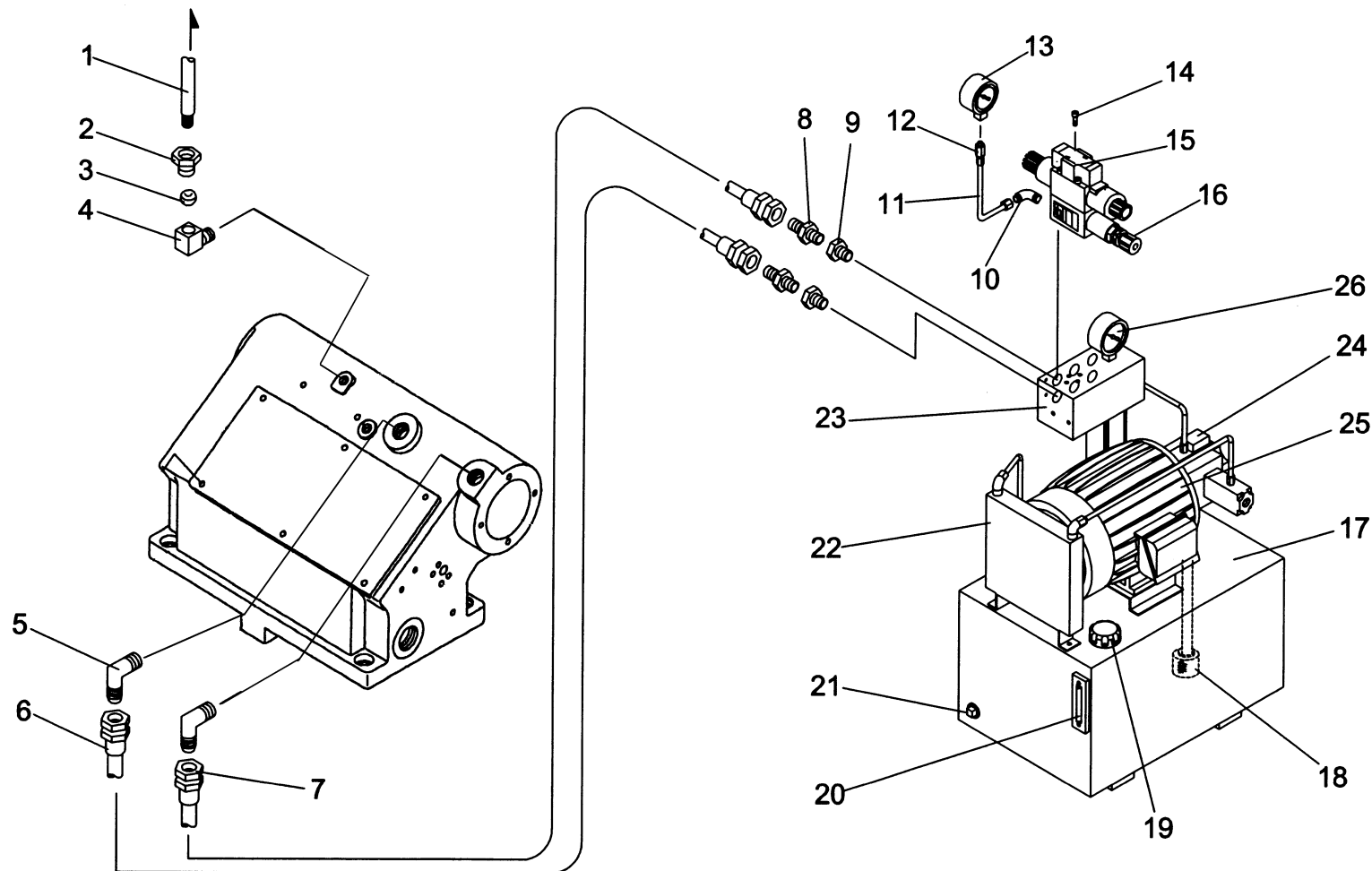


SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
301-001	4162-5118-90	118-4080-06-1	NUT	2
301-002	7933-2003-65	C6110-000P36	O-RING P36	2
301-003	7299-4100-01	M001-81105T2	BEARING	2
301-004	4163-5120-90	-----	BLOCK	2
301-005	4162-5115-90	118-408-0042	BLOCK	2
301-006	7056-4722-16	C5010-080161	BOLT,socket-head 8x16	4
301-007	4163-5110-90	562-0400-02-05	LOWER BASE	1
301-008	4162-5119-90	561-0400-14-01	GIB	1
301-009	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	2
301-010	4162-5208-90	118-4000-18-2	PLATE	1
301-011	4163-5112-90	562-0400-07-01	SPACER	2
301-012	4163-5109-90	562-0400-01-06	TAILSTOCK	1
301-013	7057-5343-16	C5010-120401	BOLT,socket-head 12x40	4
301-014	7123-5014-12	C5036-010101	SET-SCREW 10X10	1
301-015	4162-5216-90	562-0400-08	COVER	1
301-016	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	6
301-017	4162-5221-90	125-0400-08	PIN	1
301-018	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
301-019	7123-3914-12	C5034-006101	SET-SCREW 6x10	1
301-020	4162-5113-90	561-0400-16	SHAFT	2
301-021	7056-4722-16	C5010-080161	BOLT,socket-head 8x16	6
301-022	4162-5219-91	562-0400-09-01	SPECIAL BOLT	1
301-023	7056-3931-16	C5010-060251	BOLT,socket-head 6x25	4
301-024	4162-5220-90	562-0400-06-02	CAP	1
301-025	7933-2109-55	C6110-000G95	O-RING G95	1
301-026	7933-4206-71	H0031-0018-83	SEAL NOK USH 66X77X6	1
301-027	4162-5218-91	562-0400-04-02	COVER	1
301-028	7933-4910-00	H0031-0018-60	SEAL NOK SPGC100	1
301-029	7933-4208-01	C6113-000800	SEAL PISTON SEAL 80	1
301-030	7933-4909-01	H0031-0009-13	SEAL NOK	1
301-031	4162-5217-90	562-0400-05-01	CAP	1
301-032	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
301-036	4162-5214-90	125-0410-05	CAP	1
301-037	7056-3939-16	C5010-060351	BOLT,socket-head 6x35	2
301-042	7953-3170-45	-----	FUTAMURA REVOLVING CENTER MT 5	1
301-044	4162-5230-90	551-0400-11	HOLDER	1
301-045	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	2
301-048	4163-5117-91	-----	RAIL	1
301-049	7057-5346-16	C5010-120451	BOLT,socket-head 12x45	6
301-050	4163-5115-90	C5089-080161	SCREW,pin 8X16	2
301-058	4162-5121-90	118-4080-02	PUSHER	2
301-059	7123-5322-12	C5036-012161	SET-SCREW 12X16	4
301-060	4162-5215-90	H1020-1167-08	PACKING 125x28x21	1
301-061	4162-5114-90	H1023-1038-08-1	WIPER	1
301-062	7190-4106-16	C5013-060161	BOLT	10
301-063	7953-6060-06	C5029-000061	GIB BOLT	1

SHEET NO.302 TAILSTOCK LUBRICATION HYDRAULIC PIPING

SADDLE LUBERICATION



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
302-001	7963-0063-50	----	HOSE,flexible 6x3500	1
302-002	7976-0511-04	H0012-000088	PLUG PA4	2
302-003	7976-0512-04	H0012-000089	SLEEVE PB4	2
302-004	7976-0514-04	H0012-000090	ELBOW PH4	2
302-005	7971-5202-02	-----	NIPPLE,hose joint 3/8	2
302-006	7961-0093-00	-----	HOSE 9x3000	1
302-007	7961-0093-00	-----	HOSE 9x3000	1
302-008	7971-5102-02	-----	NIPPLE,hose joint 3/8	2
302-009	7978-2181-32	-----	S-BUSH 1/2x3/8	2
302-010	7970-1020-61	-----	ELBOW,joint pt1/4x6	1
302-011	7967-1060-10	-----	PIPE,steel 6x100	1
302-012	7970-1040-61	-----	JOINT	1
302-013	7909-0120-42	T019-400-004-01	GAUGE,presure SKON 40KG/CM2 PSI PT1/4	1
302-014	7057-3469-16	C5010-050901	BOLT,socket-head 5x90	4
302-015	7905-0444-12	-----	SOL.D DOFLUID DFB02-3C2-02 DC24V	1
302-016	7906-1060-38	-----	VALVE,reducing 7-OCEAN MGV-02-A-0-10	1
302-017	4162-4001-20	-----	HYDRAULIC UNIT	1
302-018	7922-4150-42	-----	FILTER CLC PT3/4 66X58	1
302-019	7932-2310-40	-----	OIL PLUG CLC AB-1162	1
302-020	7922-2310-80	-----	OIL GAUGE	1
302-021	7931-5410-04	-----	PLUG socket-head 3/4	1
302-022	7924-0110-01	-----	COOLER	1
302-023	4162-4016-91	-----	MANIFOLD	1
302-024	7900-2073-01	-----	PUMP ANSON PVF-30-55-10	1
302-025	7999-0826-03	-----	MOTOR TATUNG 1.5kW FR90L IKFBB	1
302-026	7909-0121-02	-----	GAUGE,presure SKON 100KG/CM2 PSI PT1/4	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

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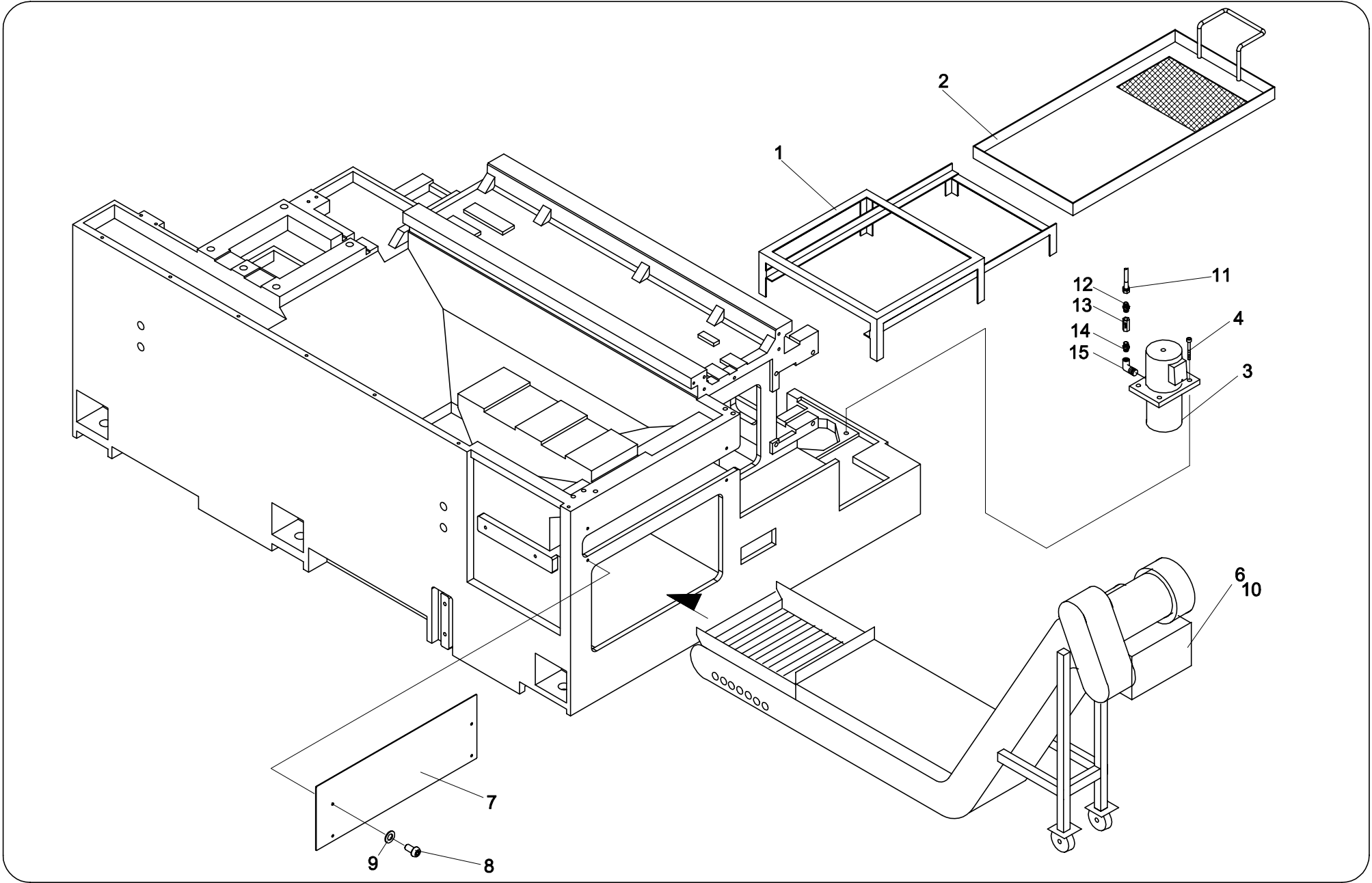
COOLANT SYSTEM GROUP

(5) COOLANT SYSTEM GROUP

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402	PAN (SIDE) AND COOLANT PUMP.....	405

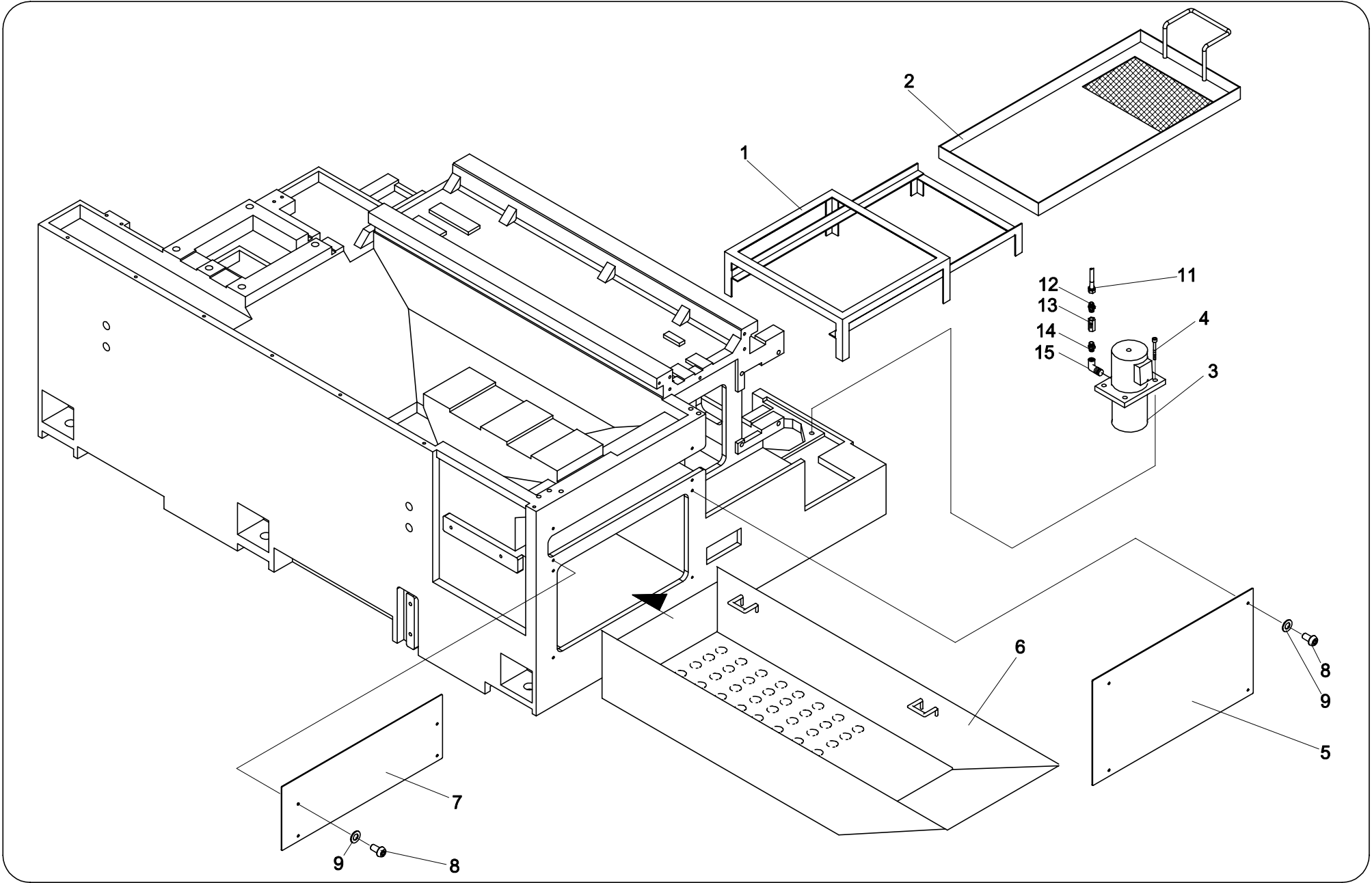
SHEET NO.401 CHIP CONVEYOR (SIDE) AND COOLANT PUMP



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
401-001	4163-9501-90	-----	SUPPORT	1
401-002	4163-9502-90	-----	DISK	1
401-003	7900-6003-02	-----	PUMP,coolant YEONG CHYUAN YC-T60-150	1
401-004	7057-4755-16	C5010-080601	BOLT,socket-head 8x60	4
401-006	4163-7201-90	-----	CONVEYOR (L-TYPE)	1
401-007	4163-6652-91	-----	PLATE	1
401-008	7190-4108-12	-----	BOLT button head socket 8x12	4
401-009	7096-4700-06	C5140-000081	WASHER,polished 8	4
401-010	4163-7202-90	-----	CONVEYOR (H-TYPE)	1
401-011	7961-3123-00	-----	HOSE,hydraulic 12x3000	1
401-012	7971-5103-03	C7870-010032	NIPPLE,hose joint 1/2	1
401-013	7907-1083-04	-----	CHECK, PT1/2	1
401-014	7978-2160-33	-----	JOINT,PT1/2XPT1/2	1
401-015	7978-2220-33	-----	NIPPLE,PT1/2XPT1/2	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.402 PAN (SIDE) AND COOLANT PUMP



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
402-001	4163-9501-90	-----	SUPPORT	1
402-002	4163-9502-90	-----	DISK	1
402-003	7900-6003-02	-----	PUMP,coolant YEONG CHYUAN YC-T60-150	1
402-004	7057-4755-16	C5010-080601	BOLT,socket-head 8x60	4
402-005	4163-6617-91	-----	COVER	1
402-006	4163-9504-90	-----	PAN	1
402-007	4163-6652-91	-----	PLATE	1
402-008	7190-4108-12	-----	BOLT button head socket 8x12	4
402-009	7096-4700-06	C5140-000081	WASHER,polished 8	4
402-011	7961-3123-00	-----	HOSE,hydraulic 12x3000	1
402-012	7971-5103-03	C7870-010032	NIPPLE,hose joint 1/2	1
402-013	7907-1083-04	-----	CHECK, PT1/2	1
402-014	7978-2160-33	-----	JOINT,PT1/2XPT1/2	1
402-015	7978-2220-33	-----	NIPPLE,PT1/2XPT1/2	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

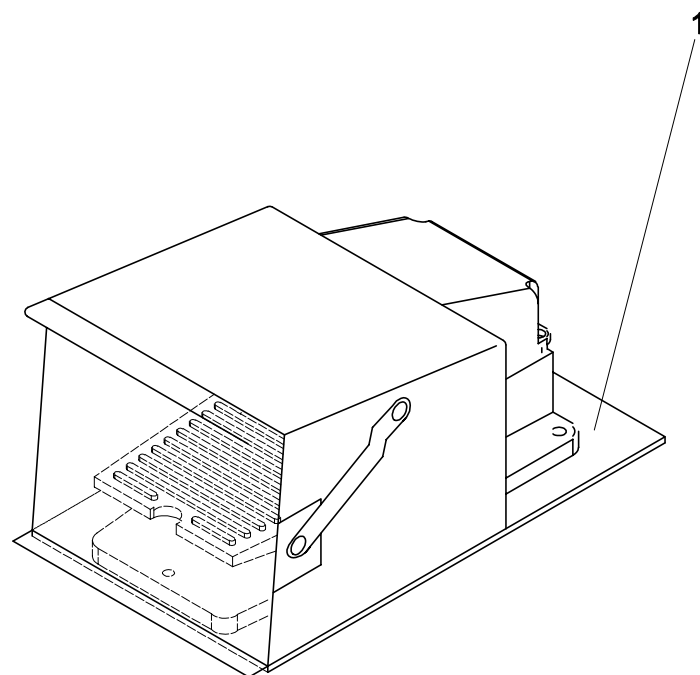
6	FOOT PEDAL SWITCH
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(6) FOOT PEDAL SWITCH GROUP

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502	FOOT PEDAL SWITCH (TAILSTOCK)	505

SHEET NO.501 FOOT PEDAL SWITCH (CHUCK)

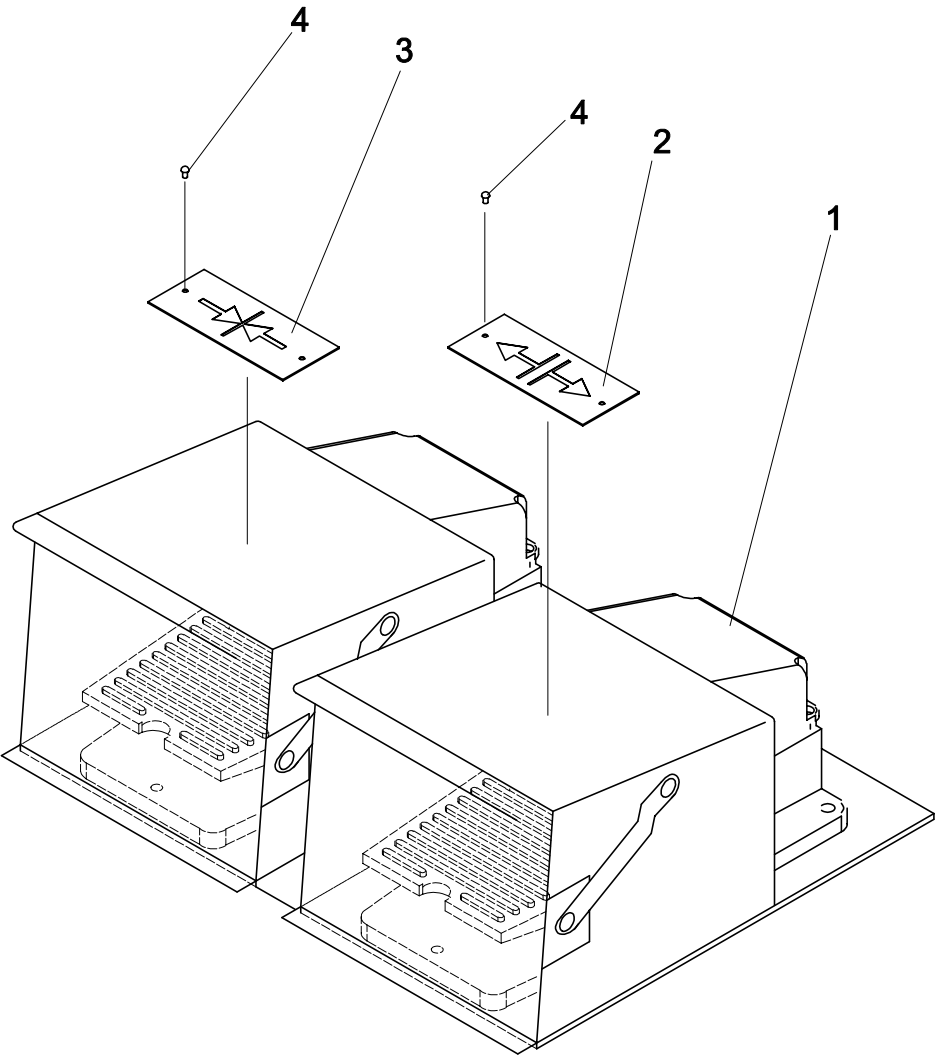


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
501-001	4162-9990-20	-----	FOOT PEDAL SWITCH	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.502 FOOT PEDAL SWITCH (TAILSTOCK)



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
502-001	4162-9991-20	-----	FOOT PEDAL SWITCH	1
502-002	4162-5130-90	H1040-1021-98	NAME PLATE	1
502-003	4162-5131-90	H1040-1021-99	NAME PLATE	1
502-004	7956-1101-05	C5076-000020	RIVET	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

7	COVER GROUP
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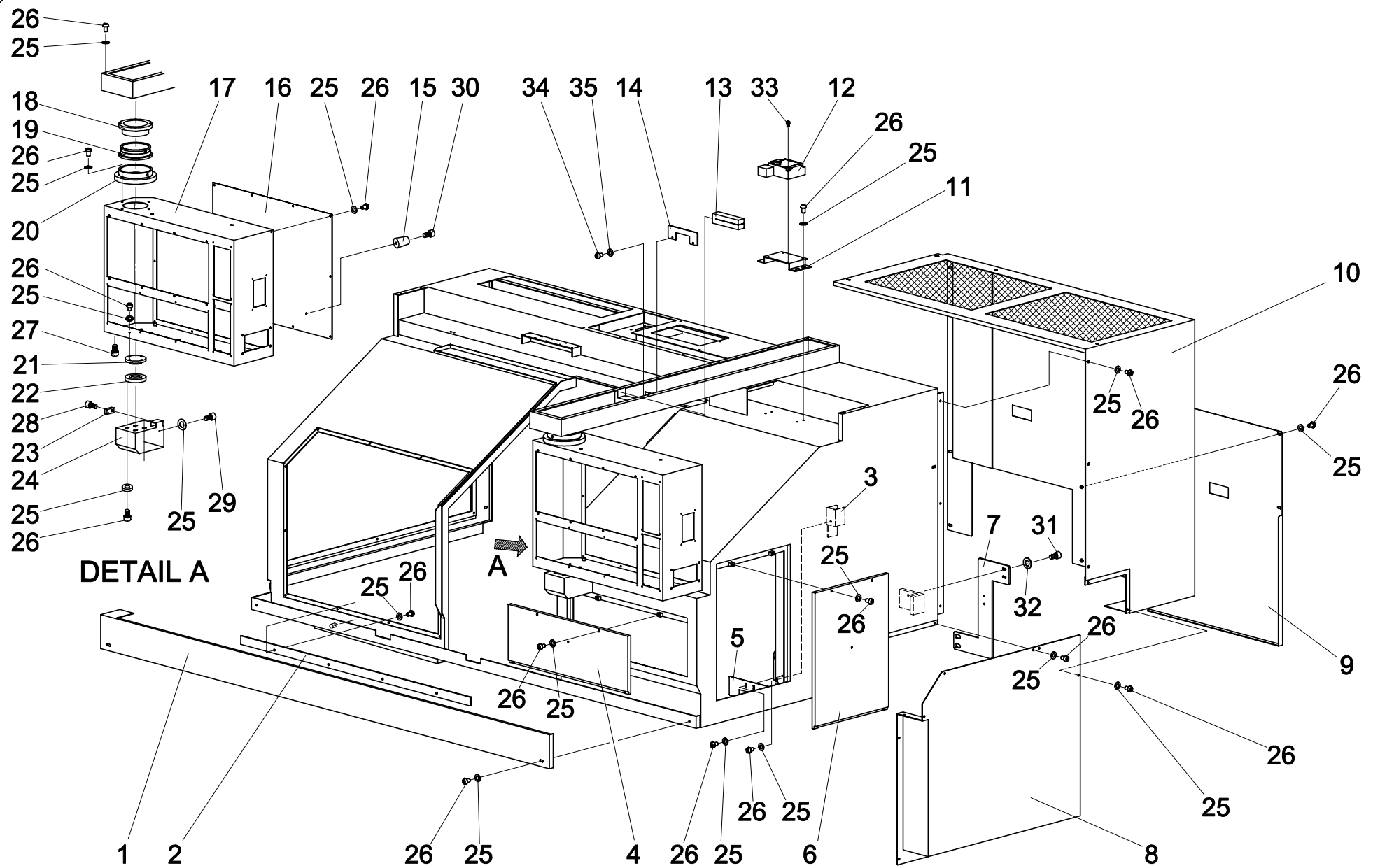
(7) COVER GROUP

~CONTENTS~

SHEET NO.	ASSEMBLY NAME	PAGE
601	FRONT AND RIGHT COVER.....	603
602	LEFT AND TOP COVER	605
603	SADDLE COVER.....	607
604	SIDE COVER LEFT	609
605	DOOR RAIL	611

SHEET NO.601 FRONT AND RIGHT COVER

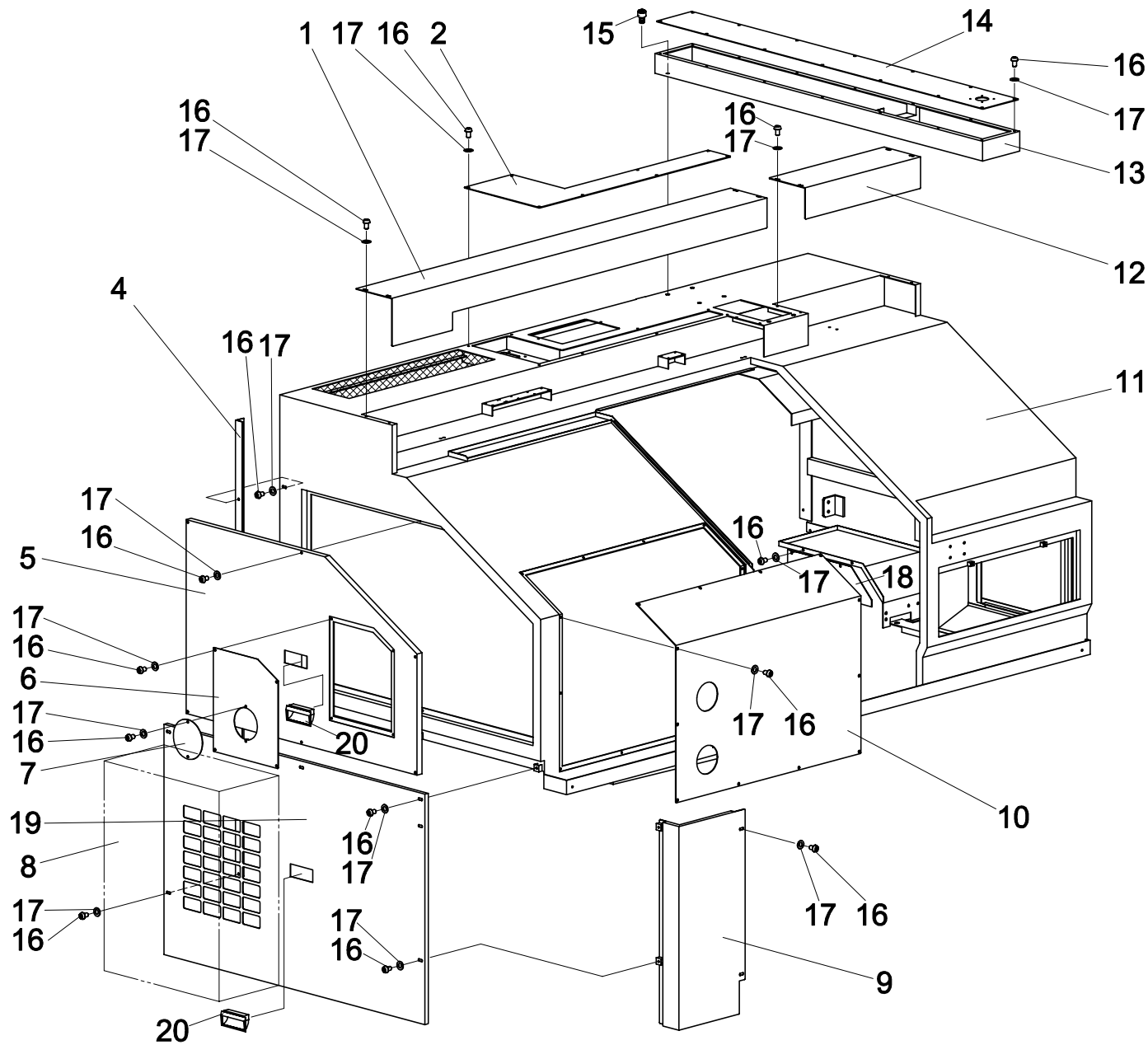
~603~



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
601-001	4163-6614-90	-----	COVER	1
601-002	4162-9504-90	-----	RAIL	1
601-003	4163-6636-90	-----	SUPPORT	1
601-004	4163-6612-91	-----	COVER	1
601-005	4163-6654-90	-----	PLATE	1
601-006	4163-6604-91	-----	COVER	1
601-007	4163-6685-90	-----	SUPPORT	1
601-008	4163-6605-91	-----	COVER	1
601-009	4163-6613-90	-----	COVER	1
601-010	4163-6608-91	-----	COVER	1
601-011	4162-6623-90	-----	BASE	1
601-012	7990-7040-64	-----	SWITCH D4BL-2CRA	1
601-013	4162-6684-90	-----	SPONGE	1
601-014	4162-9613-90	-----	PLATE	1
601-015	4162-0007-90	-----	STOPPER	1
601-016	4162-9878-90	-----	OPERATION BOX DOOR	1
601-017	4162-0070-92	-----	OPERATION BOX	1
601-018	4162-6287-90	-----	BASE	1
601-019	4162-6288-90	-----	BASE	1
601-020	4162-6289-90	-----	BASE	1
601-021	4162-6291-90	-----	BASE	1
601-022	4162-6290-90	-----	BASE	1
601-023	4162-6683-90	-----	STOPPER	1
601-024	4162-6656-92	-----	SUPPORT	1
601-025	7096-3900-06	C5140-000061	WASHER,polished 6	4
601-026	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	4
601-027	7056-5325-16	C5010-120201	BOLT,socket-head 12x20	4
601-028	7190-4106-10	-----	BOLT button head socket 6x10	1
601-029	7190-4106-10	-----	BOLT button head socket 6x10	1
601-030	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	1
601-031	7190-4106-10	-----	BOLT button head socket 6x10	2
601-032	7096-3900-06	C5140-000061	WASHER,polished 6	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
601-033	7003-3439-12	C5040-005351	SCREW,pan-head 5x35	4
601-034	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2

SHEET NO.602 LEFT AND TOP COVER

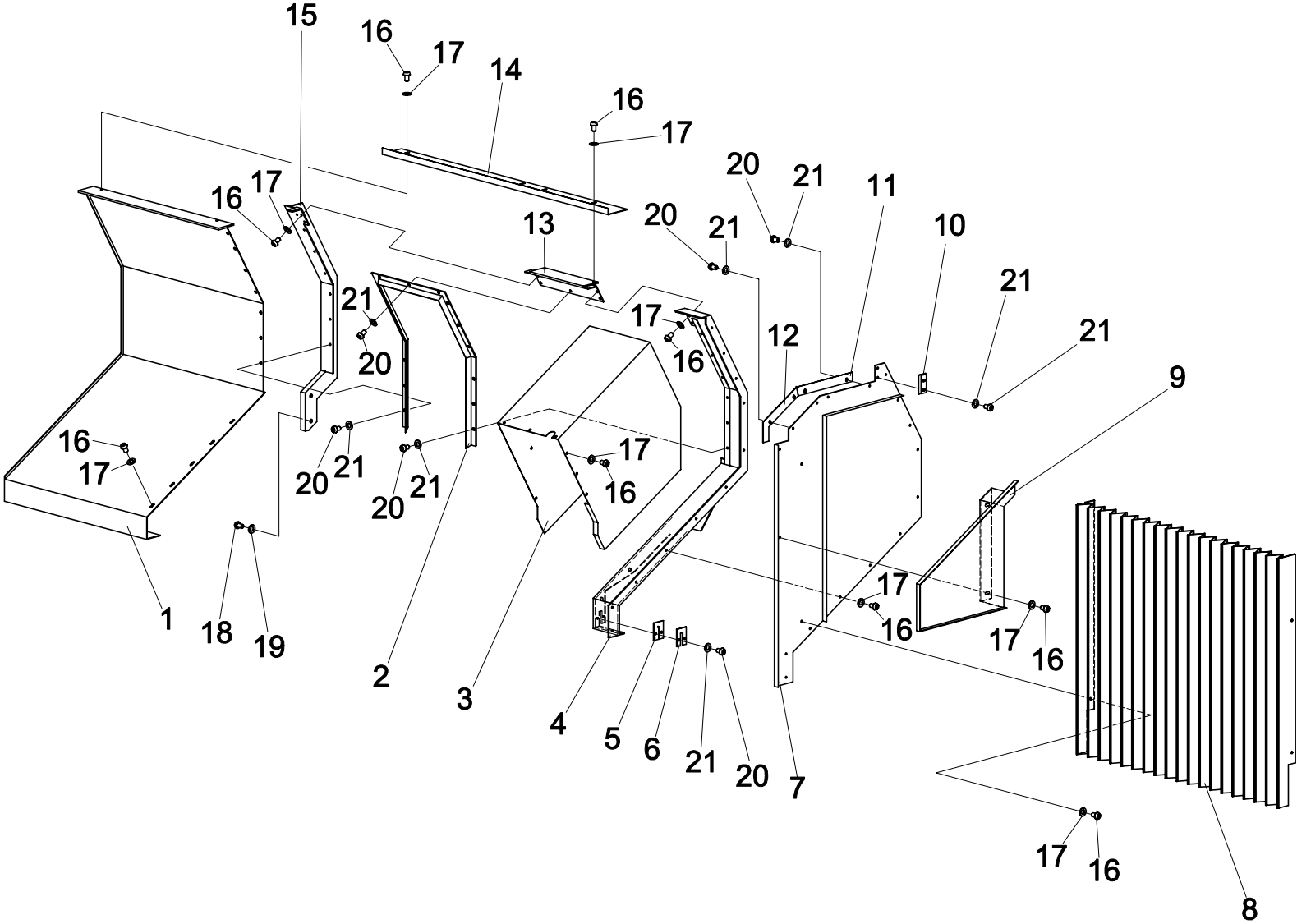


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
602-001	4163-6610-91	-----	PLATE	1
602-002	4163-6603-90	-----	PLATE	1
602-004	4163-6615-90	-----	SUPPORT	1
602-005	4163-6602-90	-----	COVER	1
602-006	4163-9879-90	-----	PLATE	1
602-007	4163-6664-90	-----	PLATE	1
602-008	4163-6693-90	-----	COVER 15/11kW	1
602-009	4163-6616-90	-----	PLATE	1
602-010	4163-6606-90	-----	COVER	1
602-011	4163-6601-91	-----	COVER	1
602-012	4163-6611-91	-----	PLATE	1
602-013	4163-6681-90	-----	SUPPORT	1
602-014	4163-9880-90	-----	PLATE	1
602-015	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	6
602-016	7190-4106-10	-----	BOLT button head socket 6x10	65
602-017	7096-3900-06	C5140-000061	WASHER,polished 6	65
602-018	4163-6692-90	-----	PLATE	1
602-019	4163-6623-90	-----	COVER 11/7.5kW	2
602-020	7989-2100-51	H1062-0002-63	TAKIGEN AP-197-1-3	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.603 SADDLE COVER

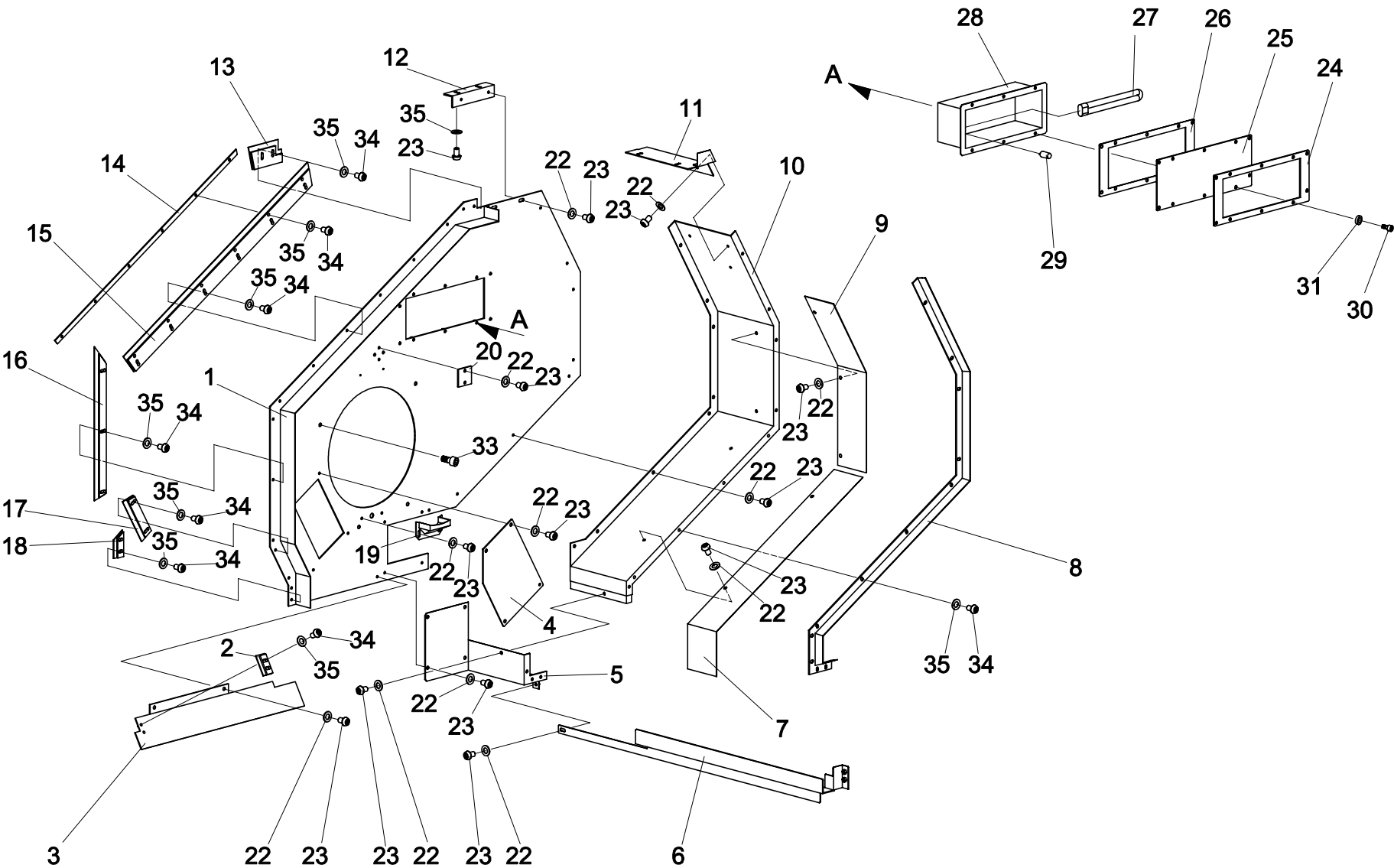


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
603-001	4163-6640-91	-----	PLATE	1
603-002	4163-6635-90	-----	WIPER	1
603-003	4163-6710-90	-----	COVER	1
603-004	4163-6630-91	-----	SUPPORT	1
603-005	4162-6638-90	-----	WIPER	1
603-006	4162-6637-90	-----	PLATE	1
603-007	4163-6634-92	-----	PLATE	1
603-008	4163-6651-91	-----	BELLOW	1
603-009	4163-6658-91	-----	COVER	1
603-010	4163-6695-90	-----	WIPER	1
603-011	4163-6687-90	-----	WIPER	1
603-012	4163-6688-91	-----	WIPER	1
603-013	4163-6631-90	-----	SUPPORT	1
603-014	4163-6633-90	-----	COVER	1
603-015	4163-6632-93	-----	SUPPORT	1
603-016	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	32
603-017	7096-3900-06	C5140-000061	WASHER,polished 6	32
603-018	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	2
603-019	7096-5000-06	-----	WASHER,polished 10	2
603-020	7190-4106-10	-----	BOLT button head socket 6x10	23
603-021	7096-3900-06	C5140-000061	WASHER,polished 6	23

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

SHEET NO.604 SIDE COVER LEFT

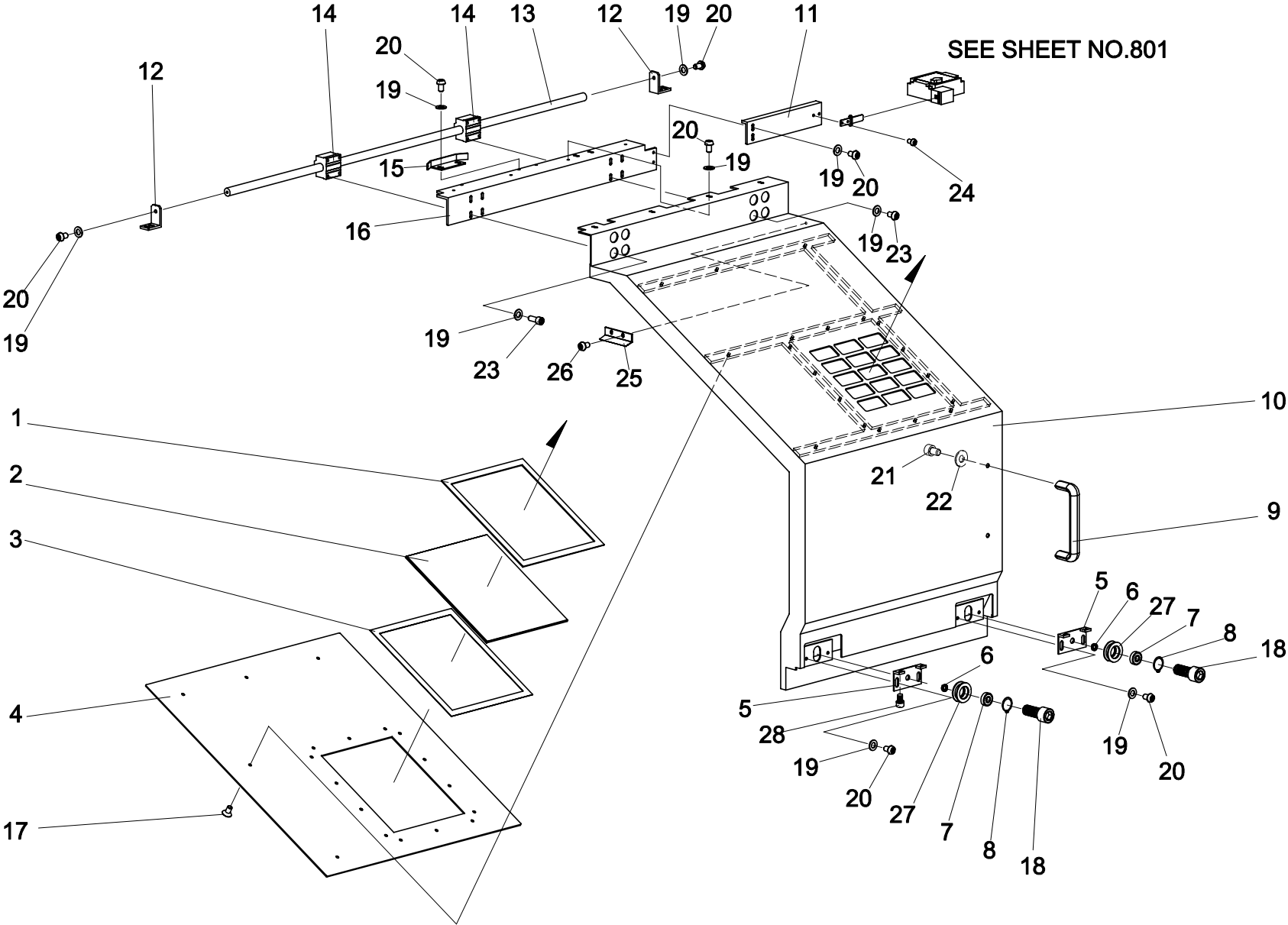


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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
604-001	4163-6645-91	-----	PLATE	1
604-002	4163-6609-90	-----	PLATE	1
604-003	4163-6646-91	-----	COVER	1
604-004	4163-9884-90	-----	COVER	1
604-005	4163-6642-90	-----	COVER	1
604-006	4163-6653-90	-----	PLATE	1
604-007	4163-6675-90	-----	PLATE	1
604-008	4163-6643-90	-----	WIPER	1
604-009	4163-6676-90	-----	COVER	1
604-010	4163-6641-90	-----	SUPPORT	1
604-011	4163-9872-90	-----	PLATE	1
604-012	4163-6694-91	-----	SUPPORT	1
604-013	4163-6670-90	-----	WIPER	1
604-014	4163-6678-90	-----	PLATE	1
604-015	4163-6671-90	-----	WIPER	1
604-016	4163-6667-90	-----	WIPER	1
604-017	4163-6668-90	-----	WIPER	1
604-018	4163-6669-90	-----	WIPER	1
604-019	4163-6644-90	562-1000-16-01	COVER	1
604-020	4162-9885-90	-----	PLATE	1
604-022	7096-3900-06	C5140-000061	WASHER,polished 6	35
604-023	7190-4106-10	-----	BOLT button head socket 6x10	35
604-024	4162-6560-90	-----	PLATE	1
604-025	4162-6561-90	-----	PLATE	1
604-026	4162-6559-90	-----	PACKING	1
604-027	7999-0714-45	-----	LAMP FPL-18EX	1
604-028	4162-9877-91	-----	BOX	1
604-029	7999-7144-47	-----	STARTER FG-1P 50/60HZ	1
604-030	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	10
604-031	7096-3900-06	C5140-000061	WASHER,polished 6	10
604-033	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	4
604-034	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	35

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
604-035	7096-3900-06	C5140-000061	WASHER,polished 6	35

SHEET NO.605 DOOR RAIL



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SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
605-001	4162-6439-90	-----	COVER t1	1
605-002	4163-6699-90	-----	WINDOW	1
605-003	4162-6439-90	-----	COVER t1	1
605-004	4163-6698-90	-----	PLATE	1
605-005	4163-6696-90	-----	PLATE	2
605-006	4162-9507-90	-----	COLLAR	2
605-007	7201-6201-14	-----	BEARING (6201 ZZ)	2
605-008	7105-2032-01	-----	C-RING #32	2
605-009	7989-0251-79	-----	HANDLE AGS 200	1
605-010	4163-6697-91	-----	DOOR (STD)	1
605-011	4163-6622-91	-----	PLATE (OPTION)	1
605-012	4163-6626-91	-----	SUPPORT	2
605-013	4163-6627-90	-----	BAR	1
605-014	4162-6260-90	-----	BASE	2
605-015	4163-6624-90	-----	DOG	1
605-016	4163-6619-90	-----	PLATE	1
605-017	7190-4106-11	-----	SCREW round head 6x10	19
605-018	7056-5339-16	C5010-120351	BOLT,socket-head 12x35	2
605-019	7096-3900-06	C5140-000061	WASHER,polished 6	22
605-020	7190-4106-10	-----	BOLT button head socket 6x10	14
605-021	7190-4108-12	-----	BOLT button head socket 8x12	2
605-022	7096-4700-06	C5140-000081	WASHER,polished 8	2
605-023	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	8
605-024	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	2
605-025	4163-6649-90	-----	WIPER	1
605-026	7190-4106-10	-----	BOLT button head socket 6x10	2
605-027	4162-9505-90	-----	ROLLER	2
605-028	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

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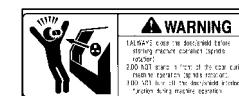
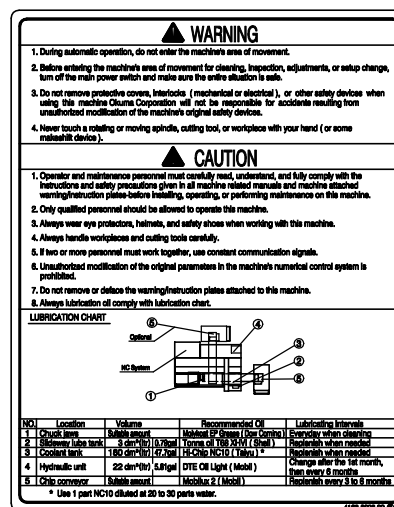
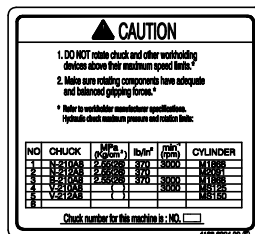
LABELS GROUP

(8) LABELS GROUP

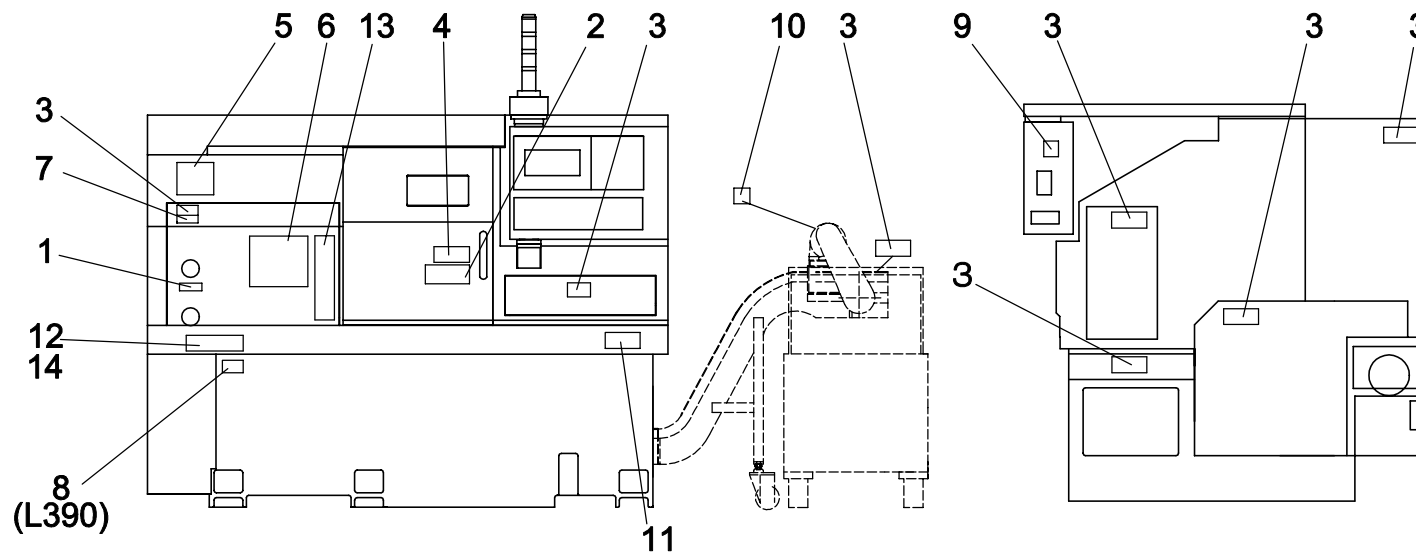
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SHEET NO.	ASSEMBLY NAME	PAGE
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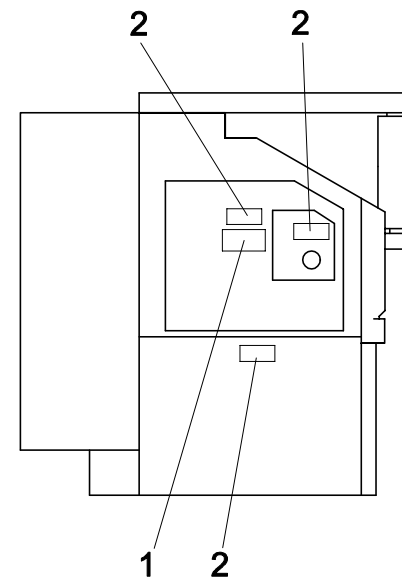
SOARER L390



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
701-001	4162-6101-91	H1044-1055-05	NAME PLATE	1
701-002	4162-6107-91	H1044-1061-30	NAME PLATE	1
701-003	4162-6109-91	H1044-1064-98	NAME PLATE	8
701-004	4162-6157-90	H1044-1073-69-1	NAME PLATE	1
701-005	4163-6023-90	-----	NAME PLATE	1
701-006	4163-6024-90	-----	NAME PLATE	1
701-007	4162-6162-91	H1044-1074-76	NAME PLATE	1
701-008	4162-6168-90	-----	NAME PLATE	1
701-009	4162-6172-90	-----	NAME PLATE	1
701-010	4162-6173-90	-----	NAME PLATE	1
701-011	4163-6193-90	-----	NAME PLATE (ES-L10)	1
701-012	4162-6194-90	-----	NAME PLATE	1
701-013	4162-6195-90	-----	NAME PLATE	1
701-014	4163-6030-90	-----	NAME PLATE (L390 ENGLISH)	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

~705~



SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
702-001	4162-6108-90	H1044-1059-40	NAME PLATE	1
702-002	4162-6109-91	H1044-1064-98	NAME PLATE	5
702-003	4162-6159-90	H1044-1064-98	NAME PLATE	1
702-004	4162-6160-90	H1042-1141-26	NAME PLATE	1
702-005	4162-6170-90	H1044-1073-70	NAME PLATE	1
702-006	4163-6028-90	-----	NAME PLATE	1
702-007	4162-6172-90	-----	NAME PLATE	1
702-008	4162-6173-90	-----	NAME PLATE	2
702-009	4162-6192-90	-----	NAME PLATE	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

PART NO. LIST

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
001-001	4121-1013-91	C5104-000321	NUT	5	205-023	4162-1316-90	-----	TERMINAL BOX SPHC	1
209-011	4121-4105-90	108-0301-18-2	NUT	1	205-001	4162-1401-90	545-0205-02-03	HOUSING	1
001-037	4121-8428-90	-----	BASE	5	207-003	4162-1403-91	551-0230-05-09	BRACKET	1
101-003	4131-4302-90	141-0114-19-4	BLOCK	1	205-004	4162-1404-91	551-0230-06-04	BASE	1
001-002	4134-1107-92	C5006-000321	BOLT jack 32	5	207-006	4162-1405-90	551-0230-10	BUSHING	1
601-015	4162-0007-90	-----	STOPPER	1	205-045	4162-1406-91	551-0230-11-07	COVER	1
601-017	4162-0070-92	-----	OPERATION BOX	1	207-007	4162-1409-90	555-0230-11-02	NUT YINSH YSF M25P1.5	1
001-027	4162-1007-92	-----	SUPPORT	1	207-002	4162-1411-90	555-0230-21-06	NUT	1
001-021	4162-1008-90	551-1000-25-01	FIX STRIP	1	207-004	4162-1412-90	555-0230-22	STOPPER	1
001-026	4162-1009-90	H1020-1165-21	PLATE,rubber	1	205-007	4162-1413-91	H1019-0009-19-1	STS PULLEY	1
001-022	4162-1010-90	H1020-1154-20	PLATE	1	207-008	4162-1414-91	H1019-0009-70-1	STS PULLEY	1
001-016	4162-1018-90	562-0001-10-01	PLATE	1	207-017	4162-1415-90	H1020-1164-75	STOPPER	1
004-003	4162-1201-91	H1019-0009-71-1	STS PULLEY	1	004-001	4162-1416-90	118-2100-85	NUT	1
003-005	4162-1203-91	H1019-0009-72-1	PULLEY	1	205-003	4162-1416-90	118-2100-85	NUT	1
003-022	4162-1204-90	H1022-1032-53	BLOCK 15X35X5	2	004-002	4162-1417-90	118-2100-86-1	WASHER	1
003-004	4162-1206-90	522-0220-22-03	BUSHING	1	205-002	4162-1417-90	118-2100-86-1	WASHER	1
003-020	4162-1207-90	551-0220-05-02	STOPPER	1	003-010	4162-1418-90	522-0220-23	KEY	1
003-024	4162-1209-90	551-0220-18	STOPPER	1	207-001	4162-1418-90	522-0220-23	KEY	1
003-012	4162-1210-91	551-0220-19-04	BRACKET	1	208-005	4162-1420-90	555-0231-04-04	BRACKET	1
003-015	4162-1211-90	551-0220-20	COVER	1	205-025	4162-1421-90	H1020-1147--54-1	PLATE,rubber	1
003-018	4162-1212-90	551-0220-21	COVER	1	001-025	4162-1425-90	561-1000-04	PLATE	1
004-005	4162-1213-90	551-0220-22-02	BASE	1	205-027	4162-1425-90	561-1000-04	PLATE	1
003-014	4162-1214-90	555-0220-05-03	COLLAR	1	205-034	4162-1431-92	-----	HOLDER 45x154x30	3
003-009	4162-1216-90	561-0200-03-01	BRACKET	1	208-003	4162-1433-90	554-0200-09	CAP	1
003-008	4162-1217-90	C5486-025356	COLLAR,distance,inner	1	208-002	4162-1434-90	554-0200-10	COLLAR	1
003-007	4162-1218-90	C5487-052356	COLLAR,distance,outer	1	208-007	4162-1435-91	-----	CAP	1
003-019	4162-1230-92	-----	BALL SCREW (Z)	1	208-009	4162-1436-90	565-0200-02-01	COLLAR	1
002-026	4162-1307-90	H1023-0007-43	WIPER	1	208-010	4162-1437-90	565-0200-03	COLLAR	1
002-027	4162-1308-90	H1023-0007-42	WIPER	1	207-009	4162-1438-90	554-0200-25	COLLAR	1
002-024	4162-1309-90	H1023-0019-54	WIPER	1	209-007	4162-1506-90	H1023-0023-22	WIPER	1
002-025	4162-1310-90	H1023-0019-53-1	WIPER	1	209-022	4162-1507-90	H1023-0023-28	WIPER	1
002-015	4162-1311-90	551-0200-07-02	COVER	1	209-021	4162-1508-90	H1023-0023-29	WIPER	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
209-012	4162-1509-90	101-0300-13-01	SCREW	2	203-001	4162-2031-90	561-0300-08-01	GEAR	1
209-013	4162-1510-90	101-0300-14	NUT	2	213-001	4162-2031-90	561-0300-08-01	GEAR	1
209-010	4162-1511-90	108-0301-17-1	SCREW	1	203-002	4162-2032-90	561-0300-09-03	CAM	1
209-006	4162-1513-90	572-0201-08-03	PIN	1	203-013	4162-2034-90	118-3020-82	BEARING AS-1110	1
202-022	4162-2001-91	561-0300-01-06	GEAR BOX,turret	1	213-008	4162-2034-90	118-3020-82	BEARING AS-1110	1
212-022	4162-2001-91	561-0300-01-06	GEAR BOX,turret	1	203-014	4162-2035-90	561-0300-11	CAM	1
201-040	4162-2002-90	561-0300-02-06	MANIFOLD	1	203-015	4162-2036-91	561-0300-12-02	CAM	1
201-001	4162-2003-90	551-0300-62	COLLAR	1	203-017	4162-2037-90	561-0300-16-02	SUPPORT	1
201-002	4162-2004-90	561-0300-35	GEAR	1	203-020	4162-2038-90	561-0300-13-02	DOG	1
201-003	4162-2005-90	561-0300-07-01	BASE	1	203-007	4162-2039-90	561-0300-14-05	PLATE	1
201-026	4162-2006-90	561-0300-15-02	JOINT	1	213-009	4162-2039-90	561-0300-14-05	PLATE	1
201-031	4162-2007-90	561-0300-26-02	BOX	1	203-036	4162-2040-90	118-3000-27-5	CAP	1
201-035	4162-2008-90	561-0300-25-02	CAP	1	213-038	4162-2040-90	118-3000-27-5	CAP	1
201-038	4162-2009-90	118-3000-34-1	VALVE	1	203-034	4162-2042-90	561-0300-44	SHAFT	1
201-025	4162-2010-90	H1020-0014-04	PACKING 7x11x10	1	213-031	4162-2042-90	561-0300-44	SHAFT	1
202-019	4162-2016-90	561-0300-06-01	RINK	1	203-026	4162-2043-91	561-0300-45-01	SPOOL	1
212-019	4162-2016-90	561-0300-06-01	RINK	1	213-030	4162-2043-91	561-0300-45-01	SPOOL	1
201-047	4162-2018-90	561-0300-27-03	BLOCK	1	203-028	4162-2044-90	561-0300-20-03	COVER	1
201-045	4162-2019-90	561-0300-28	BLOCK	1	213-028	4162-2044-90	561-0300-20-03	COVER	1
202-006	4162-2020-90	561-0300-37	FLANGE	1	203-012	4162-2047-91	561-0300-10-02	CAM	1
212-006	4162-2020-90	561-0300-37	FLANGE	1	202-016	4162-2051-90	561-0300-05-04	GUIDE	1
203-030	4162-2022-90	561-0300-34-01	CAP	1	212-016	4162-2051-90	561-0300-05-04	GUIDE	1
213-035	4162-2022-90	561-0300-34-01	CAP	1	213-005	4162-2054-90	561-0300-36-04	NUT YINSH YSF M45P1.5	1
203-022	4162-2025-91	561-0300-57-02	CYLINDER	1	202-046	4162-2104-90	118-3100-03-05	BLOCK	8
213-026	4162-2025-91	561-0300-57-02	CYLINDER	1	202-024	4162-2105-90	118-3100-04-1	BLOCK	8
203-039	4162-2026-90	561-0300-58-01	VALVE	1	204-016	4162-2105-90	118-3100-04-1	BLOCK	2
202-021	4162-2027-91	118-3020-05-7	CLUTCH	1	212-024	4162-2105-90	118-3100-04-1	BLOCK	12
212-021	4162-2027-91	118-3020-05-7	CLUTCH	1	202-028	4162-2106-90	118-8001-30-1	CAP	8
202-010	4162-2028-90	118-3020-06-6	CLUTCH	1	202-043	4162-2106-90	118-8001-30-1	CAP	8
212-010	4162-2028-90	118-3020-06-6	CLUTCH	1	204-006	4162-2106-90	118-8001-30-1	CAP	8
202-013	4162-2030-92	561-0300-03-02	SHAFT	1	212-028	4162-2106-90	118-8001-30-1	CAP	12
212-013	4162-2030-92	561-0300-03-02	SHAFT	1	202-027	4162-2107-90	119-3100-09-3	NOZZLE	8

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
202-040	4162-2107-90	119-3100-09-3	NOZZLE	8	106-003	4162-4004-90	551-0600-05-01	MANIFOLD	1
204-007	4162-2107-90	119-3100-09-3	NOZZLE	4	106-001	4162-4007-90	551-0600-08	BLOCK	1
212-027	4162-2107-90	119-3100-09-3	NOZZLE	12	106-005	4162-4008-91	H1033-0006-08	BLOCK	1
202-026	4162-2108-90	127-3300-26	BOLT	16	302-023	4162-4016-91	-----	MANIFOLD	1
204-015	4162-2108-90	127-3300-26	BOLT	6	301-020	4162-5113-90	561-0400-16	SHAFT	2
212-026	4162-2108-90	127-3300-26	BOLT	24	301-061	4162-5114-90	H1023-1038-08-1	WIPER	1
202-002	4162-2110-91	561-0300-40-02	PISTON	1	301-005	4162-5115-90	118-408-0042	BLOCK	2
212-002	4162-2110-91	561-0300-40-02	PISTON	1	301-001	4162-5118-90	118-4080-06-1	NUT	2
204-014	4162-2111-90	-----	BLOCK	2	301-008	4162-5119-90	561-0400-14-01	GIB	1
204-008	4162-2112-91	119-3100-08-2	NOZZLE	4	301-058	4162-5121-90	118-4080-02	PUSHER	2
202-053	4162-2151-90	118-8005-31	SHIM (V8MM TAPER BLOCK)	8	502-002	4162-5130-90	H1040-1021-98	NAME PLATE	1
202-052	4162-2152-91	118-8005-30-01	BLOCK (V8MM TAPER BLOCK)	8	502-003	4162-5131-90	H1040-1021-99	NAME PLATE	1
202-035	4162-2160-90	-----	CAP	1	301-010	4162-5208-90	118-4000-18-2	PLATE	1
212-035	4162-2161-90	-----	CAP	1	301-036	4162-5214-90	125-0410-05	CAP	1
204-001	4162-2202-92	-----	OD HODER TYPE I (V8 MM)	2	301-060	4162-5215-90	H1020-1167-08	PACKING 125x28x21	1
204-003	4162-2203-91	-----	OD HODER TYPE II (V8 MM)	2	301-015	4162-5216-90	562-0400-08	COVER	1
204-002	4162-2204-90	555-2200-40	ID HODER (V8 MM)	4	301-031	4162-5217-90	562-0400-05-01	CAP	1
204-010	4162-2211-90	560-2100-01	OD HODER TYPE I (V8 INCH)	2	301-027	4162-5218-91	562-0400-04-02	COVER	1
204-012	4162-2212-90	560-2100-02	OD HODER TYPE II (V8 INCH)	2	301-022	4162-5219-91	562-0400-09-01	SPECIAL BOLT	1
204-011	4162-2213-90	118-8002-90-3	ID HODER (V8 INCH)	4	301-024	4162-5220-90	562-0400-06-02	CAP	1
213-002	4162-2508-90	561-0300-48	CAM	1	301-017	4162-5221-90	125-0400-08	PIN	1
213-017	4162-2509-90	561-0300-49-03	SUPPORT	1	301-044	4162-5230-90	551-0400-11	HOLDER	1
213-023	4162-2510-90	561-0300-50-01	CAM	1	701-001	4162-6101-91	H1044-1055-05	NAME PLATE	1
213-022	4162-2511-90	561-0300-51-01	CAM	1	701-002	4162-6107-91	H1044-1061-30	NAME PLATE	1
213-021	4162-2512-90	561-0300-52-01	CAM	1	702-001	4162-6108-90	H1044-1059-40	NAME PLATE	1
213-020	4162-2513-90	561-0300-53	CAM	1	701-003	4162-6109-91	H1044-1064-98	NAME PLATE	8
213-014	4162-2514-90	561-0300-54-01	DOG	1	702-002	4162-6109-91	H1044-1064-98	NAME PLATE	5
212-036	4162-2517-90	H1040-1051-14	NAME PLATE	1	701-004	4162-6157-90	H1044-1073-69-1	NAME PLATE	1
212-043	4162-2521-90	112-3300-212	CAM	12	702-003	4162-6159-90	H1044-1064-98	NAME PLATE	1
101-024	4162-3313-90	561-0100-06-06	PLATE	1	702-004	4162-6160-90	H1042-1141-26	NAME PLATE	1
107-001	4162-4001-20	-----	HYDRAULIC UNIT	1	701-007	4162-6162-91	H1044-1074-76	NAME PLATE	1
302-017	4162-4001-20	-----	HYDRAULIC UNIT	1	701-008	4162-6168-90	-----	NAME PLATE	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
702-005	4162-6170-90	H1044-1073-70	NAME PLATE	1	605-006	4162-9507-90	-----	COLLAR	2
701-009	4162-6172-90	-----	NAME PLATE	1	601-014	4162-9613-90	-----	PLATE	1
702-007	4162-6172-90	-----	NAME PLATE	1	604-028	4162-9877-91	-----	BOX	1
701-010	4162-6173-90	-----	NAME PLATE	1	601-016	4162-9878-90	-----	OPERATION BOX DOOR	1
702-008	4162-6173-90	-----	NAME PLATE	2	604-020	4162-9885-90	-----	PLATE	1
702-009	4162-6192-90	-----	NAME PLATE	1	501-001	4162-9990-20	-----	FOOT PEDAL SWITCH	1
701-012	4162-6194-90	-----	NAME PLATE	1	502-001	4162-9991-20	-----	FOOT PEDAL SWITCH	1
701-013	4162-6195-90	-----	NAME PLATE	1	201-022	4162-9994-90	-----	SLEEVE	1
605-014	4162-6260-90	-----	BASE	2	201-012	4162-9995-90	-----	CONNECTOR	1
601-018	4162-6287-90	-----	BASE	1	201-015	4162-9996-90	-----	BOLT	1
601-019	4162-6288-90	-----	BASE	1	201-016	4162-9997-90	-----	CONNECTOR	1
601-020	4162-6289-90	-----	BASE	1	201-017	4162-9998-90	-----	RING	1
601-022	4162-6290-90	-----	BASE	1	201-020	4162-9999-90	-----	COLLAR	1
601-021	4162-6291-90	-----	BASE	1	001-005	4163-1001-91	-----	BED	1
605-001	4162-6439-90	-----	COVER t1	1	001-008	4163-1005-90	562-1001-09-01	SUPPORT	1
605-003	4162-6439-90	-----	COVER t1	1	001-030	4163-1007-91	-----	COVER	1
210-007	4162-6442-90	----	COLLAR	2	001-004	4163-1008-90	120-0000-06-1	HOOK	1
604-026	4162-6559-90	-----	PACKING	1	001-036	4163-1009-90	130-0000-09	HOOK	1
604-024	4162-6560-90	-----	PLATE	1	001-029	4163-1010-90	174-0010-01-02	HOOK	1
604-025	4162-6561-90	-----	PLATE	1	001-035	4163-1011-90	C5004-120551	BOLT	2
601-011	4162-6623-90	-----	BASE	1	001-033	4163-1013-90	-----	SUPPORT	1
603-006	4162-6637-90	-----	PLATE	1	001-038	4163-1020-92	-----	SUPPORT	1
603-005	4162-6638-90	-----	WIPER	1	001-009	4163-1021-91	-----	SUPPORT	1
205-012	4162-6647-91	-----	DOG	2	004-019	4163-1210-90	125-0200-12-1	COVER	1
205-030	4162-6649-91	-----	PLATE	1	002-001	4163-1301-91	562-0200-01-08	SADDLE	1
601-024	4162-6656-92	-----	SUPPORT	1	002-005	4163-1302-91	562-0200-03-01	PLATE	1
103-019	4162-6662-92	-----	SUPPORT	1	002-004	4163-1303-91	562-0200-04	GIB	1
104-015	4162-6662-92	-----	SUPPORT	1	002-002	4163-1304-91	562-0200-05	PLATE	1
601-023	4162-6683-90	-----	STOPPER	1	002-003	4163-1305-91	562-0200-06	GIB	1
601-013	4162-6684-90	-----	SPONGE	1	002-019	4163-1306-90	551-0200-10-02	PLATE	1
601-002	4162-9504-90	-----	RAIL	1	002-013	4163-1307-90	562-0220-13	PLATE	1
605-027	4162-9505-90	-----	ROLLER	2	004-025	4163-1308-90	562-1000-60-03	PLATE	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
005-018	4163-1310-91	-----	SUPPORT	1	101-016	4163-3015-91	562-0100-07-02	HOUSING	1
002-021	4163-1310-91	-----	SUPPORT	1	101-018	4163-3016-90	562-0100-08-02	PLATE	1
205-016	4163-1402-91	-----	BALL SCREW HIWIN CRMO 32X12-782	1	101-043	4163-3018-90	130-0110-12-02	SLEEVE	1
209-001	4163-1501-90	562-0220-01-04	TABLE	1	101-021	4163-3019-90	130-0110-13-02	NUT	1
209-002	4163-1502-91	562-0220-02-01	PLATE	1	101-033	4163-3022-90	562-0100-04-02	PLATE	1
209-005	4163-1503-91	562-0220-03	GIB	1	101-044	4163-3023-90	562-0100-39-02	PULLEY 11/7.5kW 3000rpm	1
209-004	4163-1504-91	562-0220-04	GIB	2	103-002	4163-3027-91	-----	FLANGE	1
209-003	4163-1505-91	562-0220-05-01	PLATE	1	103-010	4163-3028-91	-----	BAR	1
202-055	4163-2101-90	562-0310-01-06	TURRET (V8 M)	1	103-018	4163-3029-90	-----	SENSOR PLATE CM18B	1
202-056	4163-2102-90	562-0310-02-03	TURRET (V8 MQ)	1	104-002	4163-3030-90	562-3000-06	FLANGE	1
202-057	4163-2103-90	562-0310-03-03	TURRET (V8 IQ)	1	104-008	4163-3031-90	-----	BAR	1
202-050	4163-2106-90	562-0300-02	COVER	8	104-010	4163-3032-90	522-3000-30-1	COLLAR	1
202-048	4163-2107-90	562-0300-06-02	COVER	1	101-020	4163-3033-90	-----	PULLEY 15/11kW 3000rpm	1
202-058	4163-2111-90	-----	COVER	1	103-016	4163-3035-90	-----	TANK STRONG CM18B	1
212-047	4163-2111-90	-----	COVER	1	109-010	4163-3501-91	-----	BASE	1
212-039	4163-2201-90	562-0311-01-03	TURRET	1	109-011	4163-3502-91	-----	BASE	1
212-045	4163-2204-90	562-0300-03-01	COVER	1	109-018	4163-3503-90	562-0100-18	BOLT	1
212-041	4163-2205-90	562-0300-04	COVER	12	109-005	4163-3512-91	-----	PULLEY	1
212-040	4163-2208-90	562-0311-02-03	TURRET (V12 INCH)	1	109-003	4163-3513-91	-----	KEY	1
101-001	4163-3001-90	562-0100-02-04	SHAFT	1	102-010	4163-3514-90	-----	BASE	1
101-038	4163-3002-91	-----	HEAD STOCK	1	102-016	4163-3515-90	-----	BASE	1
101-046	4163-3003-90	091-0305-01	GEAR	1	102-004	4163-3516-90	-----	PULLEY	1
101-045	4163-3004-90	091-0305-02	PLATE	1	102-018	4163-3517-90	-----	BLOCK	1
101-013	4163-3005-90	562-0100-23	FLANGE	1	102-015	4163-3518-90	562-0100-29	BLOT	1
101-004	4163-3006-90	522-0100-23-01	BOLT	1	102-017	4163-3519-90	137-001-03-1	BLOT	1
101-031	4163-3008-90	522-0110-04-6	LABYRINTH	1	102-003	4163-3520-90	-----	KEY	1
101-027	4163-3009-90	556-0100-02-02	COVER	1	102-013	4163-3521-90	147-0001-17	WASHER	4
101-005	4163-3010-90	522-0100-31-03	LABYRINTH	1	102-007	4163-3522-90	-----	BLOT,20X110	2
101-006	4163-3011-90	522-0100-32-6	COVER	1	301-012	4163-5109-90	562-0400-01-06	TAILSTOCK	1
101-002	4163-3012-90	522-0130-21-01	KEY	1	301-007	4163-5110-90	562-0400-02-05	LOWER BASE	1
101-009	4163-3013-91	556-0100-05-02	HOUSING	1	301-011	4163-5112-90	562-0400-07-01	SPACER	2
101-010	4163-3014-90	562-0100-25	COLLAR	1	301-050	4163-5115-90	C5089-080161	SCREW,pin 8X16	2

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
301-048	4163-5117-91	-----	RAIL	1	603-013	4163-6631-90	-----	SUPPORT	1
301-004	4163-5120-90	-----	BLOCK	2	603-015	4163-6632-93	-----	SUPPORT	1
701-005	4163-6023-90	-----	NAME PLATE	1	603-014	4163-6633-90	-----	COVER	1
701-006	4163-6024-90	-----	NAME PLATE	1	603-007	4163-6634-92	-----	PLATE	1
702-006	4163-6028-90	-----	NAME PLATE	1	603-002	4163-6635-90	-----	WIPER	1
701-014	4163-6030-90	-----	NAME PLATE (L390 ENGLISH)	1	601-003	4163-6636-90	-----	SUPPORT	1
701-011	4163-6193-90	-----	NAME PLATE (ES-L10)	1	105-003	4163-6638-90	-----	SUPPORT	1
602-011	4163-6601-91	-----	COVER	1	205-028	4163-6639-91	-----	SUPPORT	1
602-005	4163-6602-90	-----	COVER	1	603-001	4163-6640-91	-----	PLATE	1
602-002	4163-6603-90	-----	PLATE	1	604-010	4163-6641-90	-----	SUPPORT	1
601-006	4163-6604-91	-----	COVER	1	604-005	4163-6642-90	-----	COVER	1
601-008	4163-6605-91	-----	COVER	1	604-008	4163-6643-90	-----	WIPER	1
602-010	4163-6606-90	-----	COVER	1	604-019	4163-6644-90	562-1000-16-01	COVER	1
001-006	4163-6607-92	-----	SLOT	1	604-001	4163-6645-91	-----	PLATE	1
601-010	4163-6608-91	-----	COVER	1	604-003	4163-6646-91	-----	COVER	1
604-002	4163-6609-90	-----	PLATE	1	205-040	4163-6648-91	-----	SUPPORT	1
602-001	4163-6610-91	-----	PLATE	1	605-025	4163-6649-90	-----	WIPER	1
602-012	4163-6611-91	-----	PLATE	1	106-004	4163-6650-90	-----	SUPPORT	1
601-004	4163-6612-91	-----	COVER	1	603-008	4163-6651-91	-----	BELLOW	1
601-009	4163-6613-90	-----	COVER	1	401-007	4163-6652-91	-----	PLATE	1
601-001	4163-6614-90	-----	COVER	1	402-007	4163-6652-91	-----	PLATE	1
602-004	4163-6615-90	-----	SUPPORT	1	604-006	4163-6653-90	-----	PLATE	1
602-009	4163-6616-90	-----	PLATE	1	601-005	4163-6654-90	-----	PLATE	1
402-005	4163-6617-91	-----	COVER	1	103-014	4163-6657-90	-----	SUPPORT	1
605-016	4163-6619-90	-----	PLATE	1	603-009	4163-6658-91	-----	COVER	1
605-011	4163-6622-91	-----	PLATE (OPTION)	1	004-014	4163-6659-90	-----	SUPPORT	1
602-019	4163-6623-90	-----	COVER 11/7.5kW	2	004-021	4163-6660-91	-----	DOG	1
605-015	4163-6624-90	-----	DOG	1	004-032	4163-6661-91	-----	DOG	1
605-012	4163-6626-91	-----	SUPPORT	2	602-007	4163-6664-90	-----	PLATE	1
605-013	4163-6627-90	-----	BAR	1	604-016	4163-6667-90	-----	WIPER	1
109-008	4163-6628-92	-----	COVER	1	604-017	4163-6668-90	-----	WIPER	1
603-004	4163-6630-91	-----	SUPPORT	1	604-018	4163-6669-90	-----	WIPER	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
604-013	4163-6670-90	-----	WIPER	1	004-017	6455-3653-06	-----	L S (AE5104-2)	1
604-015	4163-6671-90	-----	WIPER	1	205-020	6455-3653-06	-----	L S (AE5104-2)	1
604-007	4163-6675-90	-----	PLATE	1	203-018	6455-6144-10	E3020-891-057	SENSOR CANAAN BES-516-542-B0-H	6
604-009	4163-6676-90	-----	COVER	1	103-017	6455-6144-10	E3020-891-057	SENSOR CANAAN BES-516-542-B0-H	2
604-014	4163-6678-90	-----	PLATE	1	213-018	6455-6144-10	E3020-891-057	SENSOR CANAAN BES-516-542-B0-H	8
602-013	4163-6681-90	-----	SUPPORT	1	205-039	7001-2606-16	C5040-004061	SCREW,pan-head 4x6	4
601-007	4163-6685-90	-----	SUPPORT	1	212-038	7001-2611-12	C5040-004081	SCREW,pan-head 4x8	4
603-011	4163-6687-90	-----	WIPER	1	004-018	7001-2635-12	C5010-040251	SCREW,pan-head 4x30	4
603-012	4163-6688-91	-----	WIPER	1	205-041	7001-2639-16	-----	SCREW,pan-head 4x35	4
106-002	4163-6689-90	-----	SUPPORT	1	212-020	7001-3925-16	C5040-006201	SCREW,pan-head 6x20	4
602-018	4163-6692-90	-----	PLATE	1	212-042	7003-3409-12	C5040-005081	SCREW,pan-head 5x8	24
602-008	4163-6693-90	-----	COVER 15/11kW	1	202-054	7003-3411-12	C5040-005081	SCREW,pan-head 5x8	16
604-012	4163-6694-91	-----	SUPPORT	1	601-033	7003-3439-12	C5040-005351	SCREW,pan-head 5x35	4
603-010	4163-6695-90	-----	WIPER	1	004-020	7003-3911-12	C5040-006081	SCREW,pan-head 6x8	3
605-005	4163-6696-90	-----	PLATE	2	002-016	7003-3914-18	C5040-006101	SCREW,pan-head 6x10	2
605-010	4163-6697-91	-----	DOOR (STD)	1	002-020	7003-3914-18	C5040-006101	SCREW,pan-head 6x10	2
605-004	4163-6698-90	-----	PLATE	1	003-023	7004-3916-12	C5050-006121	SCREW,flat-head 6x12	2
605-002	4163-6699-90	-----	WINDOW	1	002-014	7004-3916-12	C5050-006121	SCREW,flat-head 6x12	4
603-003	4163-6710-90	-----	COVER	1	207-018	7004-3931-12	C5050-006252	SCREW 6x25	1
401-006	4163-7201-90	-----	CONVEYOR (L-TYPE)	1	213-019	7056-2639-16	C5013-040351	BOLT,socket-head 4x35	2
401-010	4163-7202-90	-----	CONVEYOR (H-TYPE)	1	212-046	7056-3411-16	C5010-050081	BOLT,socket-head 5x8	2
401-001	4163-9501-90	-----	SUPPORT	1	005-022	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	4
402-001	4163-9501-90	-----	SUPPORT	1	202-049	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	2
401-002	4163-9502-90	-----	DISK	1	205-037	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	2
402-002	4163-9502-90	-----	DISK	1	605-024	7056-3414-16	c5010-050101	BLOT,socket-head 5x10	2
402-006	4163-9504-90	-----	PAN	1	203-006	7056-3416-16	C5010-050121	BOLT,socket-head 5x12	2
604-011	4163-9872-90	-----	PLATE	1	202-018	7056-3416-16	C5010-050121	BOLT,socket-head 5x12	4
602-006	4163-9879-90	-----	PLATE	1	212-018	7056-3416-16	C5010-050121	BOLT,socket-head 5x12	4
602-014	4163-9880-90	-----	PLATE	1	601-030	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	1
604-004	4163-9884-90	-----	COVER	1	203-037	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	3
109-021	41U10-A091-5100	E1005-892-192	MOTOR YASKAWA VAC-YMMC11/7.5R-054-R1	1	101-025	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	2
102-001	41U10-A093-5100	E1005-892-205	VAC-YMMSC 15/11R-042	1	213-039	7056-3422-16	C5010-050161	BOLT,socket-head 5x16	3

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
210-009	7056-3425-16	C5010-050201	BOLT,socket-head 5X20	2
002-023	7056-3425-16	C5010-050201	BOLT,socket-head 5X20	2
101-032	7056-3425-16	C5010-050201	BOLT,socket-head 5X20	6
101-014	7056-3431-16	C5010-050251	BOLT,socket-head 5X25	6
203-016	7056-3435-16	C5010-050301	BOLT,socket-head 5x30	2
601-034	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
203-019	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	4
201-036	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	8
202-047	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	8
001-019	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
001-023	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
103-023	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
103-024	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
104-019	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
104-020	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
205-022	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
205-026	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
208-012	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	4
301-018	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	2
213-016	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	4
212-044	7056-3914-16	C5010-060101	BOLT,socket-head 6x10	12
601-026	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	4
201-034	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	2
002-022	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	2
004-027	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	1
301-016	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	6
301-032	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	4
604-034	7056-3916-16	C5010-060121	BOLT,socket-head 6x12	35
203-029	7056-3919-16	C5013-060141	BOLT,socket-head 6x14	2
213-027	7056-3919-16	C5013-060141	BOLT,socket-head 6x14	2
201-018	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	2
002-012	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	20

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
209-008	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	6
209-009	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	6
301-009	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	2
301-045	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	2
603-016	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	32
604-030	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	10
605-023	7056-3922-16	C5010-060161	BOLT,socket-head 6x16	8
005-017	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	2
201-046	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	4
202-020	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	4
101-019	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	4
208-011	7056-3925-16	C5010-006201	BOLT,socket-head 6x20	2
301-023	7056-3931-16	C5010-060251	BOLT,socket-head 6x25	4
202-025	7056-3935-16	C5010-060301	BOLT,socket-head 6x30	8
204-013	7056-3935-16	C5010-060301	BOLT,socket-head 6x30	8
212-025	7056-3935-16	C5010-060301	BOLT,socket-head 6x30	12
202-037	7056-3939-16	C5010-060351	BOLT,socket-head 6x35	4
301-037	7056-3939-16	C5010-060351	BOLT,socket-head 6x35	2
212-037	7056-3939-16	C5010-060351	BOLT,socket-head 6x35	4
103-013	7056-4714-16	C5010-080101	BOLT,socket-head 8x10	2
004-026	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	5
105-004	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	2
604-033	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	4
605-028	7056-4716-16	C5010-080121	BOLT,socket-head 8x12	4
001-013	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	2
001-017	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
001-028	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	4
001-031	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
004-016	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	2
101-034	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
205-024	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	2
205-033	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
301-006	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	4
301-021	7056-4722-16	C5010-080161	BOLT,socket.head 8x16	6
106-013	7056-4722-16	C5010-080161	BOLT,socket-head 8x16	2
106-017	7056-4722-16	C5010-080161	BOLT,socket-head 8x16	4
201-027	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	2
101-026	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	6
205-011	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	5
209-015	7056-4725-16	C5010-080201	BOLT,socket-head 8x20	1
201-030	7056-4731-16	C5010-080251	BOLT,socket-head 8x25	3
101-030	7056-4743-16	C5010-080401	BOLT,socket-head 8x40	6
201-005	7056-5022-16	C5010-100161	BOLT,socket-head 10x16	4
202-012	7056-5025-16	C5010-100201	BOLT,socket-head 10x20	8
212-012	7056-5025-16	C5010-100201	BOLT,socket-head 10x20	8
202-007	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	8
602-015	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	6
603-018	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	2
212-007	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	8
212-033	7056-5031-16	C5010-100251	Bolt,socket-head 10x25	4
202-051	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	16
103-001	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	6
205-009	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	4
205-013	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	4
208-013	7056-5035-16	C5010-1003-01	BOLT,socket-head 10x30	4
203-009	7056-5039-16	C5010-100351	BOLT,socket-head 10x35	4
202-031	7056-5039-16	C5010-100351	BOLT,socket-head 10x35	6
213-010	7056-5039-16	C5010-100351	BOLT,socket-head 10x35	4
202-045	7056-5043-16	C5010-100401	BOLT,socket-head 10x40	6
212-031	7056-5043-16	C5010-100401	BOLT,socket-head 10x40	6
601-027	7056-5325-16	C5010-120201	BOLT,socket-head 12x20	4
001-007	7056-5325-16	C5010-120201	BOLT,socket-head 12x20	2
001-011	7056-5325-16	C5010-120201	BOLT,socket-head 12x20	2
001-015	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
001-032	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	4
103-003	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	12
104-001	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	6
104-003	7056-5331-16	C5010-120251	BOLT,socket.head 12x25	6
003-028	7056-5335-16	C5010-060121	BOLT,socket-head 12x20	4
002-008	7056-5335-16	C5010-060121	BOLT,socket-head 12x20	5
003-017	7056-5339-16	C5010-120351	BOLT,socket-head 12x35	4
109-012	7056-5339-16	C5010-120351	BOLT,socket-head 12x35	4
605-018	7056-5339-16	C5010-120351	BOLT,socket-head 12x35	2
109-002	7056-5351-16	C5010-120551	BOLT,socket-head 12x55	4
102-009	7056-6048-17	-----	BOLT,socket-head 20X50	6
102-012	7056-6048-17	-----	BOLT,socket-head 20X50	4
106-009	7057-3451-16	C5010-050551	BOLT,socket-head 5x55	4
106-008	7057-3461-16	C5010-050601	BOLT,socket-head 5x60	4
302-014	7057-3469-16	C5010-050901	BOLT,socket-head 5x90	4
004-023	7057-3916-16	C5010-060121	BOLT,socket-head 6x12	2
004-035	7057-3916-16	C5010-060121	BOLT,socket-head 6x12	2
005-002	7057-3939-16	C5010-060351	BOLT,socket-head 6x35	4
205-036	7057-3948-16	C5010-060501	BOLT,socket-head 6x50	6
201-033	7057-3965-16	J9811-7600-060080	BOLT,socket-head 6x80	1
201-032	7057-3969-16	J9811-7600-060090	BOLT,socket-head 6x90	2
203-003	7057-4751-16	C5010-080551	BOLT,socket-head 8x55	4
213-003	7057-4751-16	C5010-080551	BOLT,socket-head 8x55	4
401-004	7057-4755-16	C5010-080601	BOLT,socket-head 8x60	4
402-004	7057-4755-16	C5010-080601	BOLT,socket-head 8x60	4
106-021	7057-4765-16	-----	BOLT,socket-head 8x80	2
106-010	7057-4769-16	C5010-080901	BOLT,socket-head 8x90	2
201-004	7057-5035-16	C5010-100301	BOLT,socket-head 10x30	3
203-023	7057-5043-16	C5010-100401	BOLT,socket-head 10x40	3
205-048	7057-5043-16	C5010-100401	BOLT,socket-head 10x40	4
213-025	7057-5043-16	C5010-100401	BOLT,socket-head 10x40	3
209-016	7057-5051-16	C5010-100551	BOLT,socket-head 10X55	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
201-009	7057-5059-16	C5010-100651	BOLT,socket-head 10x65	4
003-027	7057-5343-16	C5010-120401	BOLT,socket-head 12x40	4
204-005	7057-5343-16	C5010-120401	BOLT,socket-head 12x40	16
301-013	7057-5343-16	C5010-120401	BOLT,socket-head 12x40	4
301-049	7057-5346-16	C5010-120451	BOLT,socket-head 12x45	6
102-019	7057-5348-16	-----	BOLT,socket-head 12X50	2
109-013	7057-5351-16	C5000-120551	BOLT,socket-head 12X55	3
204-004	7057-5355-16	C5010-120601	BOLT,socket-head 12x60	16
004-007	7057-5355-16	C5010-120601	BOLT,socket-head 12x60	4
003-021	7057-5359-16	C5010-120701	BOLT,spclet-head 12x70	4
205-015	7057-5369-16	C5010-120901	BOLT,socket-head 12x90	4
209-017	7057-5372-16	C5010-121001	BOLT,socket-head 12X100	8
103-012	7057-5383-16	C5010-121301	BOLT,socket-head 12x130	6
104-023	7057-5775-16	-----	BLOT,socket-head 16x110	6
101-035	7057-6055-16	C5010-200601	BOLT,socket-head 20x60	5
207-012	7062-3911-12	C5000-060081	BOLT 6x8	2
101-039	7062-3922-12	C5000-060161	BOLT 6X16	2
002-007	7062-5346-12	C5000-120451	BOLT,12x45	5
109-019	7062-5361-17	5002-120701	BOLT,12x70	1
102-002	7062-5743-17	-----	BLOT,16X40	4
102-014	7062-5765-12	-----	BLOT,16X80	3
001-020	7063-6361-17	C5000-240701	BOLT 24x70	2
001-003	7063-6369-17	C5010-240901	BOLT 24x90	4
201-024	7079-3900-12	C5100-000061	NUT,hex No.3 6	1
205-035	7079-3900-12	C5100-000061	NUT,hex No.3 6	6
201-039	7079-5300-12	C5100-000121	NUT,hex.No3 12	1
109-020	7079-5300-12	C5100-000121	NUT,hex.No3 12	1
201-048	7079-5300-17	-----	NUT	1
102-008	7079-6000-17	-----	NUT,hex.No2 20	2
601-025	7096-3900-06	C5140-000061	WASHER,polished 6	4
601-032	7096-3900-06	C5140-000061	WASHER,polished 6	2
005-020	7096-3900-06	C5140-000061	WASHER,polished 6	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
202-059	7096-3900-06	C5140-000061	WASHER,polished 6	2
207-013	7096-3900-06	C5140-000061	WASHER,polished 6	2
001-018	7096-3900-06	C5140-000061	WASHER,polished 6	2
001-024	7096-3900-06	C5140-000061	WASHER,polished 6	2
004-022	7096-3900-06	C5140-000061	WASHER,polished 6	2
004-034	7096-3900-06	C5140-000061	WASHER,polished 6	2
205-043	7096-3900-06	C5140-000061	WASHER,polished 6	11
205-044	7096-3900-06	C5140-000061	WASHER,polished 6	2
602-017	7096-3900-06	C5140-000061	WASHER,polished 6	65
603-017	7096-3900-06	C5140-000061	WASHER,polished 6	32
603-021	7096-3900-06	C5140-000061	WASHER,polished 6	23
604-022	7096-3900-06	C5140-000061	WASHER,polished 6	35
604-031	7096-3900-06	C5140-000061	WASHER,polished 6	10
604-035	7096-3900-06	C5140-000061	WASHER,polished 6	35
605-019	7096-3900-06	C5140-000061	WASHER,polished 6	22
212-048	7096-3900-06	C5140-000061	WASHER,polished 6	2
106-014	7096-4700-06	C5140-000081	WASHER,polished 8	2
106-018	7096-4700-06	C5140-000081	WASHER,polished 8	4
401-009	7096-4700-06	C5140-000081	WASHER,polished 8	4
402-009	7096-4700-06	C5140-000081	WASHER,polished 8	4
001-012	7096-4700-06	C5140-000081	WASHER,polished 8	2
004-015	7096-4700-06	C5140-000081	WASHER,polished 8	2
205-042	7096-4700-06	C5140-000081	WASHER,polished 8	4
605-022	7096-4700-06	C5140-000081	WASHER,polished 8	2
603-019	7096-5000-06	-----	WASHER,polished 10	2
004-009	7096-5300-02	C5150-000121	WASHER,plain 12	4
109-015	7096-5300-02	C5150-000121	WASHER,plain 12	3
109-017	7096-5300-02	C5150-000121	WASHER,plain 12	1
101-015	7098-3300-02	C5160-000051	WASHER,spring 5	2
001-010	7098-5300-02	C5140-000121	WASHER,spring 12	2
001-014	7098-5300-02	C5140-000121	WASHER,spring 12	4
004-008	7098-5300-02	C5140-000121	WASHER,spring 12	4

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
109-014	7098-5300-02	C5140-000121	WASHER,spring 12	3	301-062	7190-4106-16	C5013-060161	BOLT	10
109-016	7098-5300-02	C5140-000121	WASHER,spring 12	1	401-008	7190-4108-12	-----	BOLT button head socket 8x12	4
205-014	7098-5300-02	C5140-000121	WASHER,spring 12	4	402-008	7190-4108-12	-----	BOLT button head socket 8x12	4
104-012	7105-1035-01	C5180-000350	SNAP- RING,external 35	1	109-009	7190-4108-12	-----	BOLT button head socket 8x12	2
203-008	7105-1050-01	C5180-000500	SNAP-RING,external 50	1	605-021	7190-4108-12	-----	BOLT button head socket 8x12	2
213-007	7105-1050-01	C5180-000500	SNAP-RING,external 50	1	003-013	7200-0410-36	M009-0034-04	BEARING NSK 25TAC62A UC10PN78	2
605-008	7105-2032-01	-----	C-RING #32	2	208-004	7200-4100-82	M009-0034-02	BEARING NTN BST 20X47 P4	3
204-017	7122-5435-12	-----	SET-SCREW 14x30	8	203-038	7200-4100-84	M004-DB5020	BEARING DB5020	1
201-021	7123-3906-12	C5036-006061	SET-SCREW 6x6	1	213-011	7200-4100-84	M004-DB5020	BEARING DB5020	1
301-019	7123-3914-12	C5034-006101	SET-SCREW 6x10	1	207-015	7200-4100-85	M009-0034-03	BEARING NTN 25TAB06U	1
101-023	7123-4714-12	C5036-008101	SET-SCREW 8X10	1	605-007	7201-6201-14	-----	BEARING (6201 ZZ)	2
101-042	7123-5014-12	C5036-010101	SET-SCREW 10X10	1	003-006	7201-6205-48	M000-6205LLBP5	BAERING 6205LLBP5	2
301-014	7123-5014-12	C5036-010101	SET-SCREW 10X10	1	207-016	7201-6305-48	M000-6305LLBP5	BEARING NTN 6305LLBP5	1
301-059	7123-5322-12	C5036-012161	SET-SCREW 12X16	4	203-032	7204-0079-00	C5901-000790	BALL,steel 5/16	1
203-021	7124-3911-12	C5036-006081	SET-SCREW 6x8	4	213-033	7204-0079-00	C5901-000790	BALL,steel 5/16	1
003-016	7124-3916-12	C5035-006121	SET-SCREW 6x12	1	201-013	7204-0095-00	C5901-000950	BALL.steel 3/8	1
201-019	7124-3916-12	C5035-006121	SET-SCREW 6x12	1	207-014	7213-0110-50	M000-AS1105	BEARING NTN AS1105	1
201-023	7124-3916-12	C5035-006121	SET-SCREW 6x12	1	213-015	7214-3909-12	C5036-006081	SET-SCREW 6x8	4
101-022	7124-3919-12	C5035-008141	SET-SCREW 8X14	1	202-061	7215-7653-00	M004-MB6530DU	BEARING TATUNG MB6530DU	1
101-041	7124-5019-12	C5035-010141	SET-SCREW 10X14	1	101-017	7223-0214-65	M009-0034-41	BEARING NTN NN3021T2KC1NAUP-20	1
204-018	7190-4106-01	H1001-0013-75	BOLT	16	101-007	7223-0244-65	M009-0034-43	BEARING NTN NN3024T2KC1NAUP-20	1
601-028	7190-4106-10	-----	BOLT button head socket 6x10	1	101-008	7289-5302-41	M009-0043-61	BEARING NTN HTA024DB/G15UP-21	1
601-029	7190-4106-10	-----	BOLT button head socket 6x10	1	301-003	7299-4100-01	M001-81105T2	BEARING	2
601-031	7190-4106-10	-----	BOLT button head socket 6x10	2	302-024	7900-2073-01	-----	PUMP ANSON PVF-30-55-10	1
202-060	7190-4106-10	-----	BOLT button head socket 6x10	2	401-003	7900-6003-02	-----	PUMP,coolant YEONG CHYUAN YC-T60-150	1
602-016	7190-4106-10	-----	BOLT button head socket 6x10	65	402-003	7900-6003-02	-----	PUMP,coolant YEONG CHYUAN YC-T60-150	1
603-020	7190-4106-10	-----	BOLT button head socket 6x10	23	005-001	7904-1201-01	-----	TANK,lubrication	1
604-023	7190-4106-10	-----	BOLT button head socket 6x10	35	201-044	7904-2013-00	H0001-0005-80	OIL MOTOR H-130BA4M-G SUMITOMO	1
605-020	7190-4106-10	-----	BOLT button head socket 6x10	14	302-015	7905-0444-12	-----	SOL.D DOFLUID DFB02-3C2-02 DC24V	1
605-026	7190-4106-10	-----	BOLT button head socket 6x10	2	201-041	7905-0445-13	-----	SOL.D DOFLUID DFB-02-3C4-D2	1
212-049	7190-4106-10	-----	BOLT button head socket 6x10	2	106-007	7905-1434-11	F0000-431-000-17	SOL.D DOFLUID DFB-02-2D2-DC24V	1
605-017	7190-4106-11	-----	SCREW round head 6x10	19	201-042	7905-2434-12	-----	SOL.D DOFLUID DFB-02-2B2	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
106-006	7906-1060-36	F0011-730-000-06	VALVE,reducing 7-OCEAN MGV-02-P-0-10	1	101-037	7931-4290-01	C7861-000012	PLUG,socket-head 1/4	2
302-016	7906-1060-38	-----	VALVE,reducing 7-OCEAN MGV-02-A-0-10	1	106-012	7931-4300-00	C7861-000002	PLUG,socket-head 1/8	8
401-013	7907-1083-04	-----	CHECK, PT1/2	1	201-011	7931-4300-00	C7861-000002	PLUG,socket-head 1/8	20
402-013	7907-1083-04	-----	CHECK, PT1/2	1	201-029	7931-4300-00	C7861-000002	PLUG,socket-head 1/8	1
201-043	7908-0061-03	-----	SPEED CONTROL TVC-B-02-M	1	201-008	7931-4300-02	C7861-0000-22	PLUG,socket-head 3/8	3
106-019	7909-0120-42	T019-400-004-01	GAUGE,presure SKON 40KG/CM2 PSI PT1/4	1	103-005	7931-4300-03	-----	PLUG socket-head 1/2	2
302-013	7909-0120-42	T019-400-004-01	GAUGE,presure SKON 40KG/CM2 PSI PT1/4	1	302-021	7931-5410-04	-----	PLUG socket-head 3/4	1
302-026	7909-0121-02	-----	GAUGE,presure SKON 100KG/CM2 PSI PT1/4	1	302-019	7932-2310-40	-----	OIL PLUG CLC AB-1162	1
103-025	7909-1402-02	-----	PRESSURE switch 7-OCEAN PS-02-1-10	1	202-032	7933-0001-00	H0031-0008-94	SEAL WASHER NOK WF10	6
104-021	7909-1402-02	-----	PRESSURE switch 7-OCEAN PS-02-1-10	1	212-032	7933-0001-00	H0031-0008-94	SEAL WASHER NOK WF10	6
001-034	7922-1101-00	C2937-001001	GAGE SAN HSIONG KL-100A M10	1	201-037	7933-2000-55	C6110-0000P5	O-RING P5	1
302-020	7922-2310-80	-----	OIL GAUGE	1	002-010	7933-2000-85	C6110-0000P8	O-RING P8	1
302-018	7922-4150-42	-----	FILTER CLC PT3/4 66X58	1	203-025	7933-2001-05	C6110-000P10	O-RING P10	6
005-009	7923-0369-15	-----	MANIFOLD CHIBA HBL-5	2	201-010	7933-2001-05	C6110-000P10	O-RING P10	7
210-008	7923-0369-15	-----	MANIFOLD CHIBA HBL-5	2	202-008	7933-2001-05	C6110-000P10	O-RING P10	1
302-022	7924-0110-01	-----	COOLER	1	213-036	7933-2001-05	C6110-000P10	O-RING P10	6
101-028	7930-8039-50	C6101-309500	RUBBER ROPE 3X950	1	212-008	7933-2001-05	C6110-000P10	O-RING P10	1
203-011	7931-3050-06	C5250-050060	PLUG 5x6	1	203-033	7933-2001-45	C6110-000P14	O-RING P14	1
202-009	7931-3050-06	C5250-050060	PLUG 5x6	1	213-032	7933-2001-45	C6110-000P14	O-RING P14	1
213-013	7931-3050-06	C5250-050060	PLUG 5x6	1	203-027	7933-2002-15	C6110-000P21	O-RING P21	1
212-009	7931-3050-06	C5250-050060	PLUG 5x6	1	213-029	7933-2002-15	C6110-000P21	O-RING P21	1
002-009	7931-3060-06	C5250-060060	PLUG 6x6	5	208-008	7933-2003-25	C6110-000P32	O-RING P32	1
209-019	7931-3060-06	C5250-060060	PLUG 6x6	1	104-009	7933-2003-55	C6110-000P35	O-RING P35	1
209-020	7931-3060-06	C5250-060060	PLUG 6x6	1	301-002	7933-2003-65	C6110-000P36	O-RING P36	2
203-024	7931-3080-08	C5250-080080	PLUG 8x8	13	104-011	7933-2007-05	C6110-000P70	O-RING P70	1
201-007	7931-3080-08	C5250-080080	PLUG 8x8	4	202-003	7933-2013-05	C6110-00P130	O-RING P130	1
202-030	7931-3080-08	C5250-080080	PLUG 8x8	8	212-003	7933-2013-05	C6110-00P130	O-RING P130	1
202-041	7931-3080-08	C5250-080080	PLUG 8x8	8	208-006	7933-2104-55	C6110-000G45	O-RING G45	1
101-029	7931-3080-08	C5250-080080	PLUG 8x8	1	301-025	7933-2109-55	C6110-000G95	O-RING G95	1
209-018	7931-3080-08	C5250-080080	PLUG 8x8	2	202-034	7933-2110-05	C6110-00G100	O-RING G100	1
213-024	7931-3080-08	C5250-080080	PLUG 8x8	13	212-034	7933-2110-05	C6110-00G100	O-RING G100	1
212-030	7931-3080-08	C5250-080080	PLUG 8x8	8	212-005	7933-2113-50	C6110-00G135	O-RING G135	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
202-005	7933-2135-06	C6110-00G135	O-RING G135	1	201-006	7955-0060-28	C0201-060281	ITP 6x28	2
201-028	7933-2301-25	F109-0000-56	O-RING NOK CO-0409	2	203-010	7955-0060-32	C0201-060321	ITP 6x32	2
301-026	7933-4206-71	H0031-0018-83	SEAL NOK USH 66X77X6	1	213-012	7955-0060-32	C0201-060321	ITP 6x32	2
301-029	7933-4208-01	C6113-000800	SEAL PISTON SEAL 80	1	003-026	7955-0080-32	C0201-080321	ITP 8x32	2
202-001	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN	1	202-029	7955-0080-32	C0201-080321	ITP 8x32	2
202-004	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN	1	202-044	7955-0080-32	C0201-080321	ITP 8x32	2
212-001	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN	1	212-029	7955-0080-32	C0201-080321	ITP 8x32	2
212-004	7933-4900-65	H0031-0011-87	ROD SEAL NOK SPN	1	203-004	7955-0080-36	C0201-080361	ITP 8x36	2
003-011	7933-4903-21	F1113-032-04204	OIL SEAL	1	202-011	7955-0080-36	C0201-080361	ITP 8x36	2
301-030	7933-4909-01	H0031-0009-13	SEAL NOK	1	205-010	7955-0080-36	C0201-080361	ITP 8x36	4
301-028	7933-4910-00	H0031-0018-60	SEAL NOK SPGC100	1	213-004	7955-0080-36	C0201-080361	ITP 8x36	2
203-035	7933-4918-01	H0031-0008-92	PACKING NOK SPN M18X26X5.5	1	212-011	7955-0080-36	C0201-080361	ITP 8x36	2
213-037	7933-4918-01	H0031-0008-92	PACKING NOK SPN M18X26X5.5	1	209-014	7955-0080-50	C0201-080501	ITP 8x50	2
202-017	7933-4926-51	H0031-0018-63	CAP SEAL NOK SPGR 265X280X3.8	1	502-004	7956-1101-05	C5076-000020	RIVET	4
212-017	7933-4926-51	H0031-0018-63	CAP SEAL NOK SPGR 265X280X3.8	1	005-015	7960-0040-00	-----	PIPE AL	2
203-031	7940-3105-01	M101-07078-01005	SPRING 0.7x7.8x10x5	1	210-014	7960-0604-00	----	PIPE nyple 6	1
213-034	7940-3105-01	M101-07078-01005	SPRING 0.7x7.8x10x5	1	103-027	7960-2010-05	-----	ELBOW PT1"XPT1"	1
201-014	7940-3115-01	M109-0012-73	SPRING 1.6x0.6x60x15	1	210-004	7960-6051-00	----	PIPE nyple 4	1
202-015	7950-4070-25	C5170-070250	KEY,feather 7x7x 25	1	302-006	7961-0093-00	-----	HOSE 9x3000	1
212-015	7950-4070-25	C5170-070250	KEY,feather 7x7x 25	1	302-007	7961-0093-00	-----	HOSE 9x3000	1
202-014	7950-4120-50	C5170-120500	KEY,feather 12x8x50	2	105-006	7961-3090-70	-----	70K HOSE 9x700	1
212-014	7950-4120-50	C5170-120500	KEY,feather 12x8x50	2	105-007	7961-3090-70	-----	70K HOSE 9x700	1
102-011	7950-4282-00	-----	KEY 28X18X200	1	108-002	7961-3120-70	-----	HOSE,hydraulic 12x700	1
109-006	7952-1550-85	-----	SANKI SCE201SH 55X85	1	108-003	7961-3120-70	-----	HOSE,hydraulic 12x700	1
102-005	7952-1600-90	-----	SANKI SCE201SH 60X90	1	211-001	7961-3122-70	-----	HOSE,hydraulic 12x2700	2
101-011	7953-3120-20	515-0140-64-02	NUT YINSH YSF M120P2	1	107-003	7961-3123-00	-----	HOSE,hydraulic 12x3000	2
301-042	7953-3170-45	-----	FUTAMURA REVOLVING CENTER MT 5	1	401-011	7961-3123-00	-----	HOSE,hydraulic 12x3000	1
208-001	7953-5202-02	555-0230-12-03	NUT YINSH YSF M20P1.5	1	402-011	7961-3123-00	-----	HOSE,hydraulic 12x3000	1
003-001	7953-5202-52	555-0220-48	NUT YINSH YSF M25P1.5	2	105-002	7962-7092-10	-----	HOSE,9X15X2100	1
203-005	7953-5204-52	561-0300-36-04	NUT YINSH YSF M45P1.5	1	103-015	7962-7252-10	-----	HOSE	1
301-063	7953-6060-06	C5029-000061	GIB BOLT	1	103-008	7962-7252-25	-----	HOSE	1
002-006	7953-6060-08	C5029-000081	BOLT,gib 8	4	005-007	7963-0062-70	-----	HOSE,flexible 6x2700	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY	SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
210-011	7963-0063-50	----	HOSE,flexible 6x3500	1	005-011	7976-0512-04	H0012-000089	SLEEVE PB4	20
302-001	7963-0063-50	----	HOSE,flexible 6x3500	1	210-002	7976-0512-04	H0012-000089	SLEEVE PB4	14
103-009	7964-1000-35	-----	PIPE BAND 35	1	302-003	7976-0512-04	H0012-000089	SLEEVE PB4	2
302-011	7967-1060-10	-----	PIPE,steel 6x100	1	005-004	7976-0512-06	H0012-0001-11	SLEEVE PB6	3
106-016	7967-1060-20	C7781-060200	PIPE,steel 6x200	1	210-012	7976-0512-06	H0012-0001-11	SLEEVE PB6	2
103-022	7967-1060-24	-----	PIPE steel 6x240	1	005-014	7976-0513-04	H0012-000048	NIPPLE PD4	5
104-018	7967-1060-24	-----	PIPE steel 6x240	1	210-001	7976-0513-04	H0012-000048	NIPPLE PD4	8
106-015	7970-1000-61	C2781-000621	NIPPLE PA6 PT1/4	1	005-003	7976-0513-06	-----	NIPPLE PD6	3
103-020	7970-1020-60	-----	ELBOW,joint pt1/8x6	1	005-013	7976-0514-04	H0012-000090	ELBOW PH4	4
104-016	7970-1020-60	-----	ELBOW,joint pt1/8x6	1	210-005	7976-0514-04	H0012-000090	ELBOW PH4	2
106-020	7970-1020-61	-----	ELBOW,joint pt1/4x6	1	302-004	7976-0514-04	H0012-000090	ELBOW PH4	2
302-010	7970-1020-61	-----	ELBOW,joint pt1/4x6	1	005-010	7976-0519-03	-----	NIPPLE PQ10	1
103-021	7970-1020-61	-----	ELBOW,joint pt1/4x6	1	210-010	7976-0519-08	----	PLUG PG8C	1
104-017	7970-1020-61	-----	ELBOW,joint pt1/4x6	1	005-008	7976-0519-10	-----	PLUG PG10C	1
302-012	7970-1040-61	-----	JOINT	1	210-006	7976-0519-10	-----	PLUG PG10C	1
302-008	7971-5102-02	-----	NIPPLE,hose joint 3/8	2	210-015	7976-0532-06	----	ELBOW PH6	1
105-008	7971-5102-02	-----	NIPPLE,hose joint 3/8	2	005-016	7976-0604-00	-----	PIPE nylon	7
106-011	7971-5103-03	C7870-010032	NIPPLE,hose joint 1/2	2	104-005	7978-0460-12	-----	JOINT, SV PT1/4	1
108-004	7971-5103-03	C7870-010032	NIPPLE,hose joint 1/2	1	105-001	7978-0460-12	-----	JOINT, SV PT1/4	1
401-012	7971-5103-03	C7870-010032	NIPPLE,hose joint 1/2	1	103-007	7978-0460-55	-----	NIPPLE,sv-hose joint 1x1	1
402-012	7971-5103-03	C7870-010032	NIPPLE,hose joint 1/2	1	401-014	7978-2160-33	-----	JOINT,PT1/2XPT1/2	1
302-005	7971-5202-02	-----	NIPPLE,hose joint 3/8	2	402-014	7978-2160-33	-----	JOINT,PT1/2XPT1/2	1
104-006	7971-5202-02	-----	NIPPLE,hose joint 3/8	1	105-009	7978-2181-23	-----	S-BUSH 3/8x1/2	1
104-007	7971-5202-02	-----	NIPPLE,hose joint 3/8	1	105-010	7978-2181-23	-----	S-BUSH 3/8x1/2	1
105-012	7971-5202-02	-----	NIPPLE,hose joint 3/8	1	302-009	7978-2181-32	-----	S-BUSH 1/2x3/8	2
105-013	7971-5202-02	-----	NIPPLE,hose joint 3/8	1	107-002	7978-2181-33	-----	S-BUSH 1/2X1/2	1
108-001	7971-5203-03	-----	NIPPLE,hose joint 1/2	3	108-005	7978-2181-33	-----	S-BUSH 1/2X1/2	2
103-006	7971-5203-03	-----	NIPPLE,hose joint 1/2	2	103-026	7978-2181-33	-----	S-BUSH 1/2X1/2	1
005-012	7976-0511-04	H0012-000088	PLUG PA4	20	401-015	7978-2220-33	-----	NIPPLE,PT1/2XPT1/2	1
210-003	7976-0511-04	H0012-000088	PLUG PA4	14	402-015	7978-2220-33	-----	NIPPLE,PT1/2XPT1/2	1
302-002	7976-0511-04	H0012-000088	PLUG PA4	2	103-028	7978-2270-55	-----	NIPPLE PT1"	1
210-013	7976-0511-06	----	PLUG PA6	2	104-014	7978-5020-22	-----	JOINT,PT3/8XPT3/8	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY
105-014	7978-5020-22	-----	JOINT,PT3/8XPT3/8	1
103-011	7980-1241-16	-----	CHUCK STRONG DICHUN N-210A8	1
103-029	7980-1341-21	T009-200-012-36	CHUCK KITAGAWA DICHUN B-210A8	1
104-022	7980-3241-01	T009-200-013-87	CHUCK KITAGAWA DICHUN N-10A08	1
104-013	7980-3241-03	-----	CHUCK STRONG V-210A8	1
103-004	7981-0180-14	-----	CYLINDER STRONG DICHUN M1870 M78P2	1
104-004	7981-1190-04	-----	CYLINDER STRONG DICHUN MS125	1
102-006	7987-3402-36	-----	BELT 10PK-2360 (3000rpm)	3
109-001	7987-3402-50	-----	BELT BANDO RIBACE 10PK 2500	2
004-010	7987-8251-09	M119-0016-44	STS BELT	1
205-008	7987-8256-80	M119-0015-10	STS BELT BANDO 250S8M680	1
605-009	7989-0251-79	-----	HANDLE AGS 200	1
602-020	7989-2100-51	H1062-0002-63	TAKIGEN AP-197-1-3	2
601-012	7990-7040-64	-----	SWITCH D4BL-2CRA	1
604-027	7999-0714-45	-----	LAMP FPL-18EX	1
302-025	7999-0826-03	-----	MOTOR TATUNG 1.5kW FR90L IKFBB	1
205-038	7999-3508-01	A005-4220	BL-MC100J-20TB	1
604-029	7999-7144-47	-----	STARTER FG-1P 50/60HZ	1

SHEET-ITEM	PART NO.	OKUMA PART NO.	DESCRIPTION	QTY

LIST OF PUBLICATIONS

Publication No.	Date	Edition
TL9E15-U001-R1	Feb. 2001	1st

This manual may be variance with the actual product due to specification or design changes.

Please also note that specifications are subject to changes without notice.

**If you require clarification or further explanation of any point in this manual,
please contact your OKUMA representative.**

This product is subject to Japanese government regulations under the foreign Exchange and Foreign Trade Control Act with regard to strategic goods. When further transport of this product to another country is being considered prior consultation with OKUMA Corporation is required.

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