

PARTS LIST

Fxj175

HYDRAULIC BREAKER

APPLICABLE SERIAL NUMBER 1001 AND UP



SUPPLY PERIOD OF SPARE PARTS FOR FURUKAWA ROCK DRILL CO., LTD. PRODUCTS

Thank you for purchasing a Furukawa Rock Drill Co., Ltd. product.

Please note that the supply of spare parts of Furukawa Rock Drill Co., Ltd. products will be assured for 10 years after the termination of production in accordance with the guidelines for the supply of spare parts as specified by the Japan Construction Equipment Manufacturers Association.

Although the supply of spare parts is terminated in principle at the maturity of the subject supply period, we may be able to supply them upon request even after the expiration of supply period on condition that the delivery date and price are subject to negotiation.

Even if it is within the supply period, however, the delivery date, price, etc. may be subject to negotiation when it is difficult to keep stocks should the purchased parts are not available because the manufacturer does not produce them anymore. If you may have any questions about any particular model subject to the warranty as stated above and the time limit of spare parts supply, please contact the FRD Europe B.V. distributor in your area.

USING THE PARTS LIST

1. This parts list describes the components of a hydraulic breaker.
2. When ordering a part, refer to the illustrations and lists in this parts list and then inform the FRD Europe B.V. distributor in your area of the following items.
 - (1) Model name
 - (2) Serial No.
 - (3) Part No.
 - (4) Part name
 - (5) Quantity
3. Use "Genuine Furukawa Rock Drill Parts" when replacing all parts.
4. The illustrations in this parts list show the positions and shapes of the parts so that a user can order a part without any problem.

Do not repair a hydraulic breaker by using this parts list.
5. The parts in this list are subject to change for improvement without notice on the part of the manufacturer.

How to use the parts list

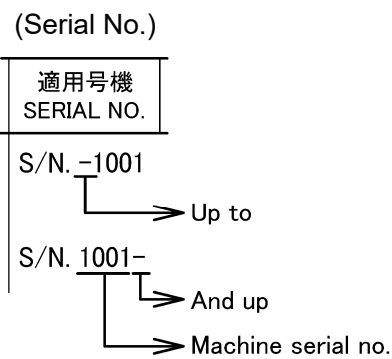
(1) Illustration

- ① Group Name It is the same as the Group Name on the CONTENTS.
- ② Fig. No. It shows the illustration number and corresponds to Fig. No. of the parts breakdown.
- ③ Item It corresponds to Item on the parts breakdown.
- ④ Group Name It shows the group name in which the parts breakdown is covered separate page in this parts list.
- ⑤ Page The left side of “—” (hyphen) shows consecutive numbers in each unit. The right side shows consecutive numbers of drawings/lists in each unit.

(2) Parts Breakdown

- ① Item It is shown by three figures and corresponds to Item in the illustration. Item nos. are not always in sequence.
When a part has been changed in design and then the part number or quantity has been changed, a sub-number is added to Item in order to show the order of change.
- ② Part No. (a) Part number is shown.
(b) Indication of a no-service part
With parts which cannot be serviced as a single part, only the illustrations and part names are given and the mark * is shown in the part number column. These parts are serviced as an assembly, a kit or a set.
- ③ Part Name It shows the description of a part. When following marks are put before the part name.
No mark Represents a single part or an assembly component.
* Represents a part or an assembled part of the assembly component. It is listed out after the assembly name.
** Represents a part of the assembled part of the assembly component.
- ④ Q' ty As a rule, this column indicates the quantity of a part required for one breaker. In case of a part of an assembly component, however, it indicates the quantity of the part required for one assembly component. In this column, the following mark is also used besides the Arabic numerals to indicate the quantity of parts.
() Parenthesis This part is not included in an assembly. ... Option etc.
AR As required.

⑤ Serial No. Serial No. in which this part is used is as shown in the following example:



⑥ Remarks The marks and part numbers in the Remarks column are described below.

A..... Replaceable common part and following part no.

B..... Represents that this part is not supplied as a single part, however, it is supplied as a set.

Refer to Replaceable Part List at the end of the parts list.

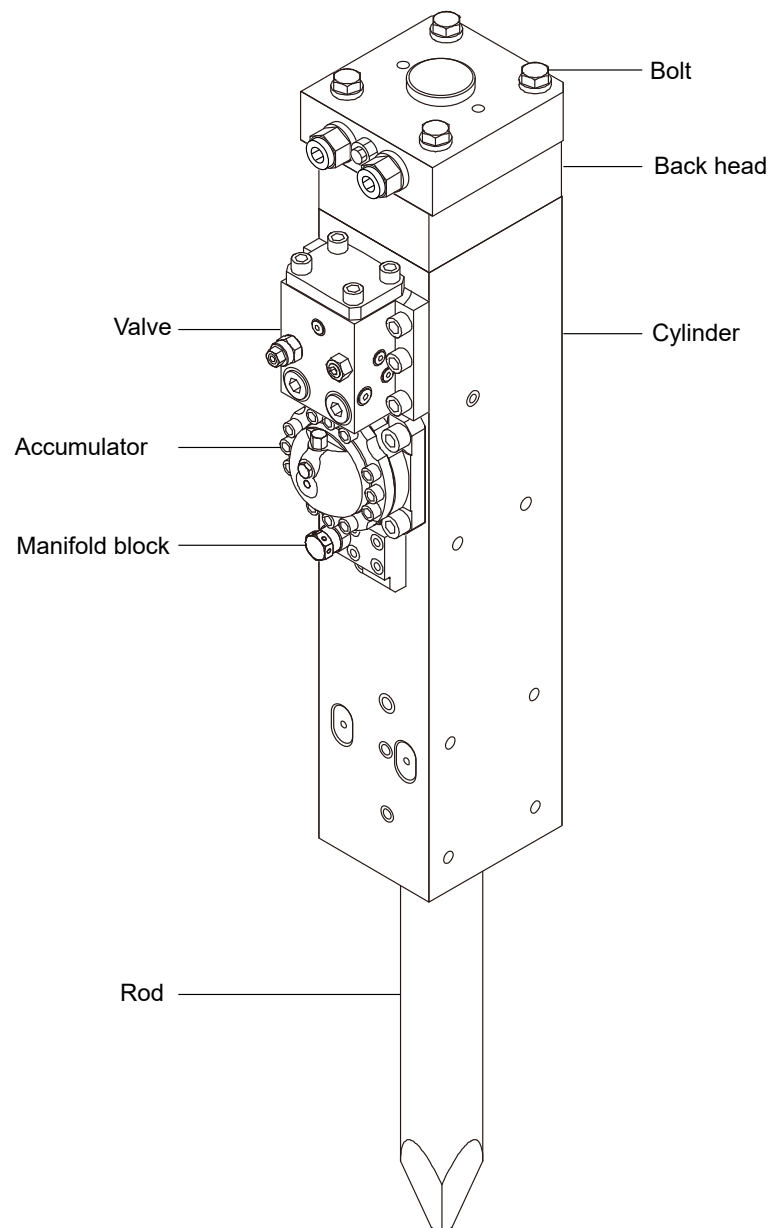
C Represents that this part is not supplied as a single part.

When an assembly including this part is supplied, the parts after this mark are supplied. When no parts are given after this mark, the components of this part are supplied.

D This part is no longer manufactured due to an incorrect part number or a change and supplying this part is discontinued. When a substitute can be supplied, the part after this mark is supplied.

⑦ Page..... The left side of “—” (hyphen) shows consecutive numbers in each unit.
The right side shows consecutive numbers of drawings/lists in each unit.

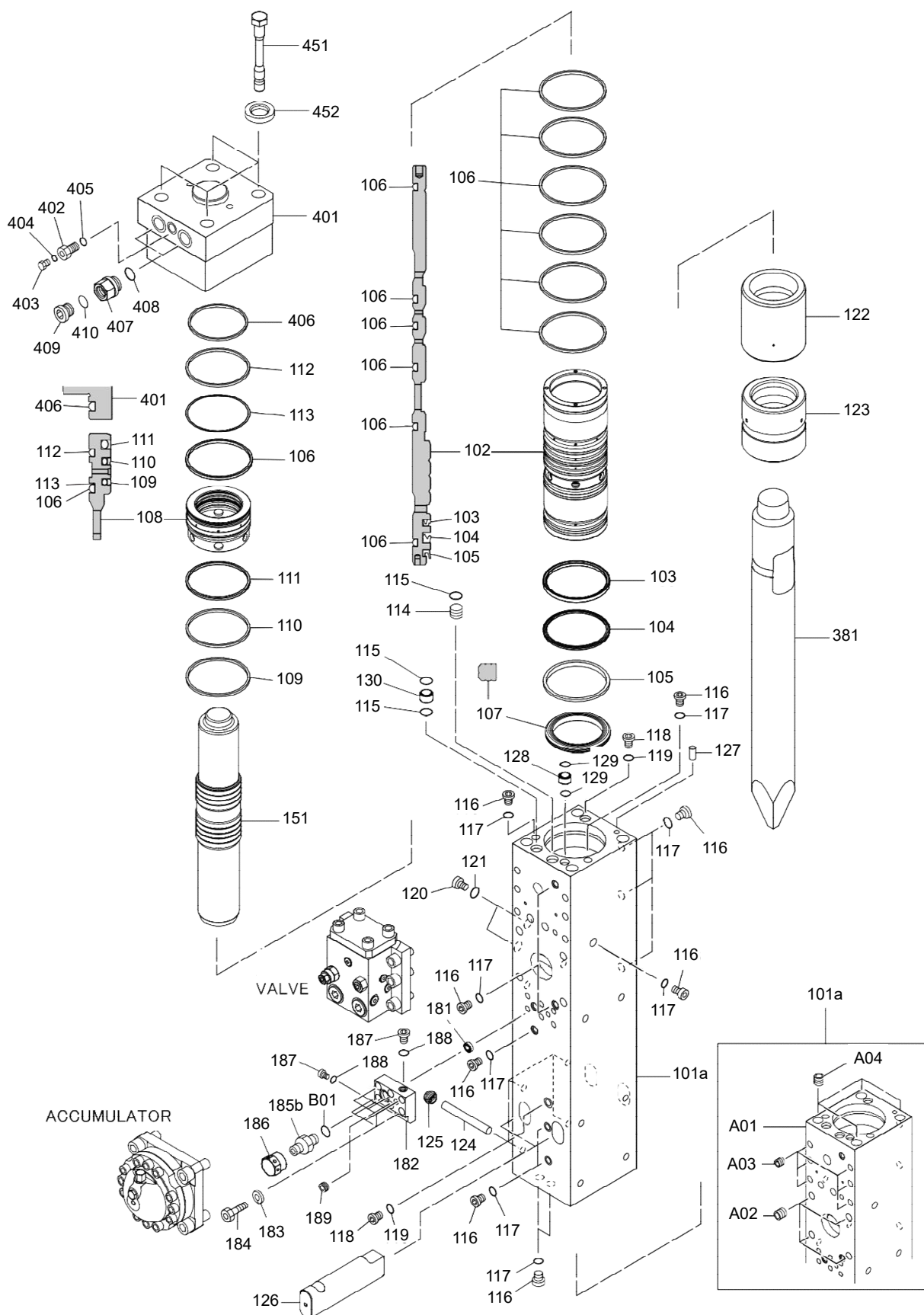
Name of Components or Component Group



CONTENTS

FIG.NO.	GROUP NAME	PAGE
902203-010020	BREAKER BODY UNIT	01-01
902203-250010	ROD	02-01
902203-920050	SEAL KIT (A) (CYLINDER GROUP)	03-01
902203-920060	SEAL KIT (B) (CYLINDER, BACK HEAD GROUP)	04-01
902203-130021	VALVE	05-01
F12-70001	ACCUMULATOR	06-01
902203-920070	SEAL KIT (C) (VALVE, ACCUMULATOR GROUP)	07-01
902203-880010	SV-BOX (WITH HYDRAULIC DAMPER ADJUSTER)	08-01
902203-880012	SV-BOX (WITH MECHANICAL DAMPER ADJUSTER)	09-01
902407-890010	HYDRAULIC ADJUSTER	10-01
	GREASE HOSE ASSEMBLY	11-01
F12-94013	HYDRAULIC HOSE ASSEMBLY	12-01
902203-900020	STICKER	13-01
902407-900010	STANDARD TOOLS	14-01
902407-920010	NITROGEN CHARGING KIT	15-01

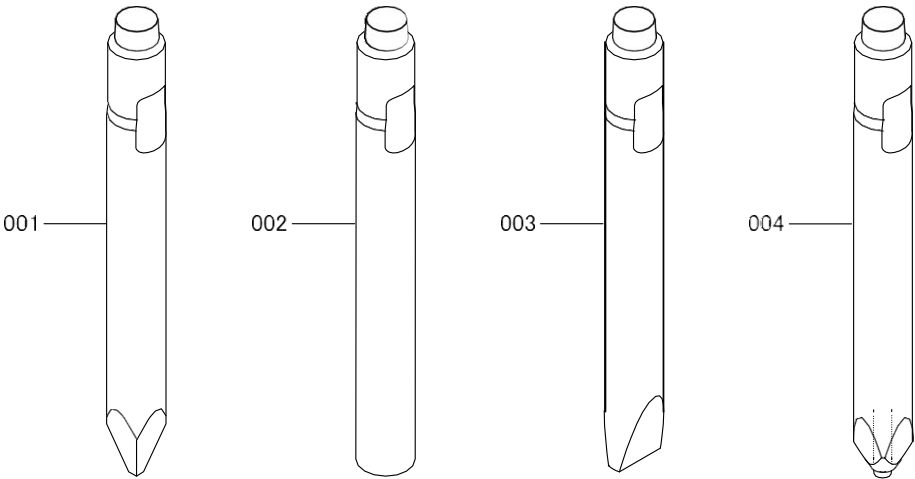
SERVICE MEMO



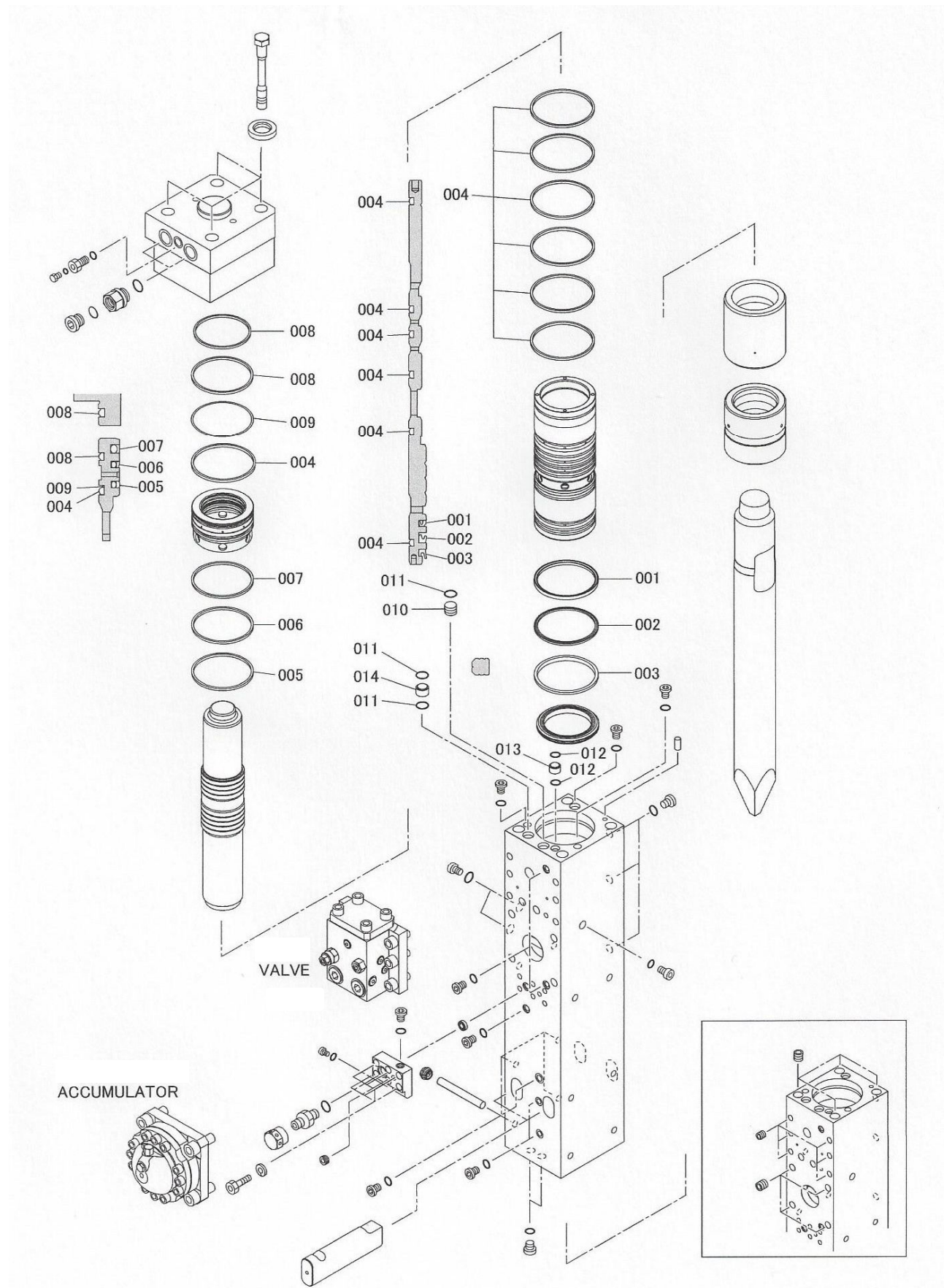
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
101a	002203-100010	CYLINDER	1	
A01	*	*CYLINDER	1	
A02	HB15G-10104	*HELICOIL INSERT	4	
A03	HB20G-10105	*HELICOIL INSERT	6	
A04	HB40G-10104	*HELICOIL INSERT	4	
102	002203-100030	CYLINDER LINER	1	
103	002203-100040	BUFFER RING	1	R1
104	002203-100050	PACKING	1	R1
105	002203-100060	SCRAPER	1	R1
106	F19-10116	D-RING	7	R1
107	002203-100070	DISTANCE WASHER	1	
108	002203-100080	SEAL RETAINER	1	
109	002203-100090	GLIDE RING	1	R1
110	002203-100100	STEP SEAL	1	R1
111	002203-100110	GLIDE RING	1	R1
112	F19-10216	DELTA RING	1	R1
113	262031-00145	BACK-UP RING	1	R1
114	HB10G-10120	PLUG	1	R1
115	160011-00024	O-RING	3	R1
116	084891-02000	GPF PLUG	13	
117	160011-00011	O-RING	13	R2
118	084891-03000	GPF PLUG	2	
119	160011-00014	O-RING	2	R2
120	084891-04000	GPF PLUG	2	
121	160011-00018	O-RING	2	R2
122	002203-100120	FRONT HOLDER	1	
123	002203-100130	FRONT BUSH	1	
124	002203-100140	STOP PIN	4	
125	002407-100110	A-PLUG	4	R2
126	002203-100150	ROD PIN	2	
127	F22-10125	KNOCK PIN	1	
128	F4-10121	BUSH	1	R1
129	160011-00020	O-RING	2	R1
130	002203-100170	BUSH	1	R1
151	002203-110010	PISTON	1	
181	F22-20121	CHECK VALVE	1	
182	002407-120010	MANIFOLD BLOCK	1	

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
183	000500-220110	SPRING WASHER	6	
184	102032-14045	SOCKET BOLT	6	
185b	084869-06000	MALE CONNECTOR	1	
B01	160011-00024	*O-RING	1	R2
186	F22-30113	CAP	1	
187	084891-02000	GPF PLUG	2	
188	160011-00011	O-RING	2	R2
189	166152-02000	HOLLOW PLUG	1	
381	002203-250010	ROD	1	SEE PAGE 02-01
401	002203-300030	BACK HEAD	1	
402	HB15G-30103	CHARGING VALVE	1	
403	HB20G-30109	PLUG	1	
404	160011-00006	O-RING	1	R2
405	160011-00018	O-RING	1	R2
406	F19-10216	DELTA RING	1	R1
407	002203-130060	CONNECTOR	2	
408	161011-00029	O-RING	2	R2
409	084891-06000	PLUG	2	
410	160011-00024	O-RING	2	R2
451	002203-360010	BOLT	4	
452	002203-360020	WASHER	4	
	902203-920050	SEAL KIT (A) (R1)		SEE PAGE 03-01
	902203-920060	SEAL KIT (B) (R2)		SEE PAGE 04-01

SERVICE MEMO

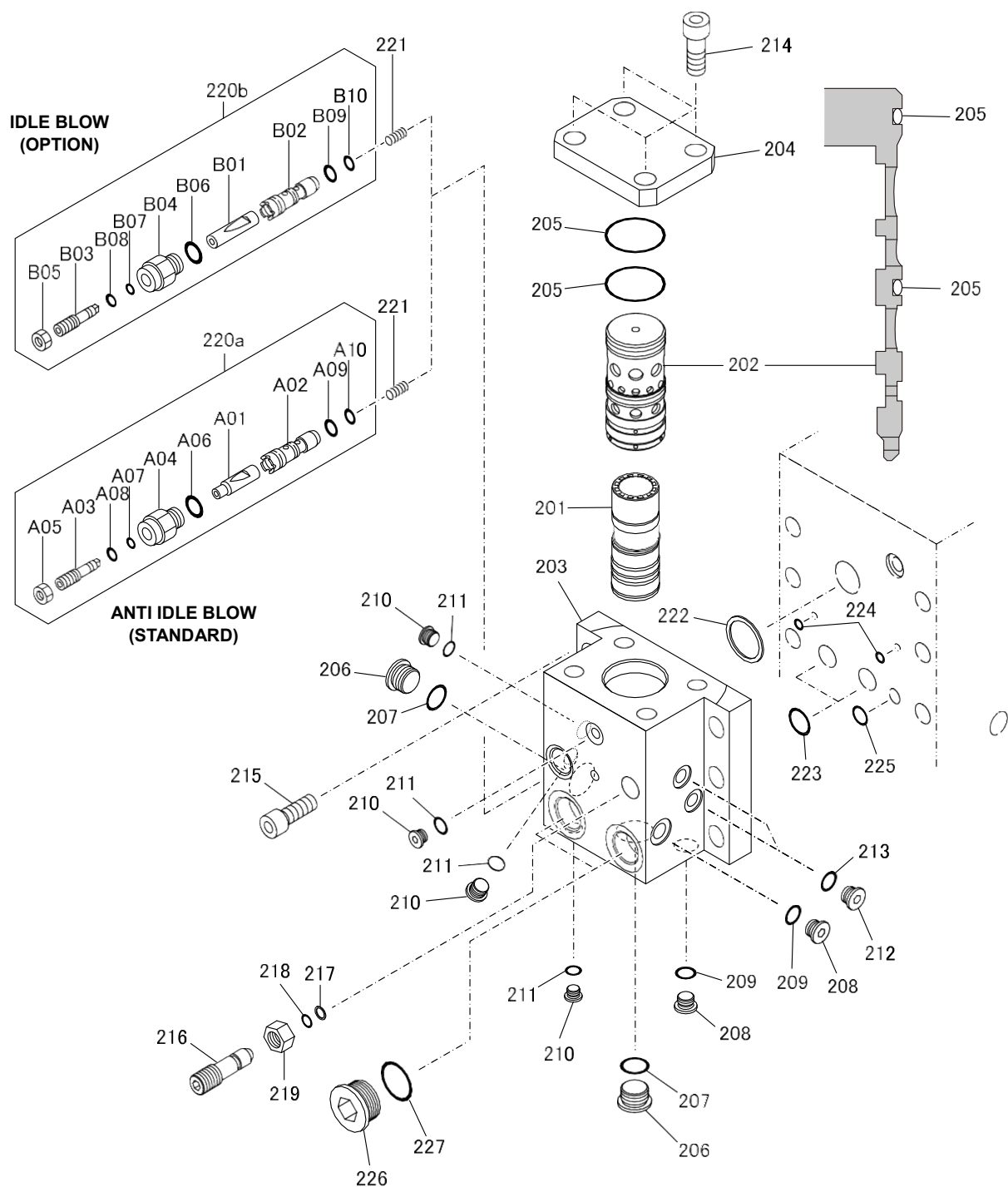


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ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902203-920050	SEAL KIT (A)		FOR CYLINDER GROUP
001	002203-100040	*BUFFER RING	1	
002	002203-100050	*PACKING	1	
003	002203-100060	*SCRAPER	1	
004	F19-10116	*D-RING	7	
005	002203-100090	*GLIDE RING	1	
006	002203-100100	*STEP SEAL	1	
007	002203-100110	*GLIDE RING	1	
008	F19-10216	*DELTA RING	2	
009	262031-00145	*BACK-UP RING	1	
010	HB10G-10120	*PLUG	1	
011	160011-00024	*O-RING	3	
012	160011-00020	*O-RING	2	
013	F4-10121	*BUSH	1	
014	002203-100170	*BUSH	1	

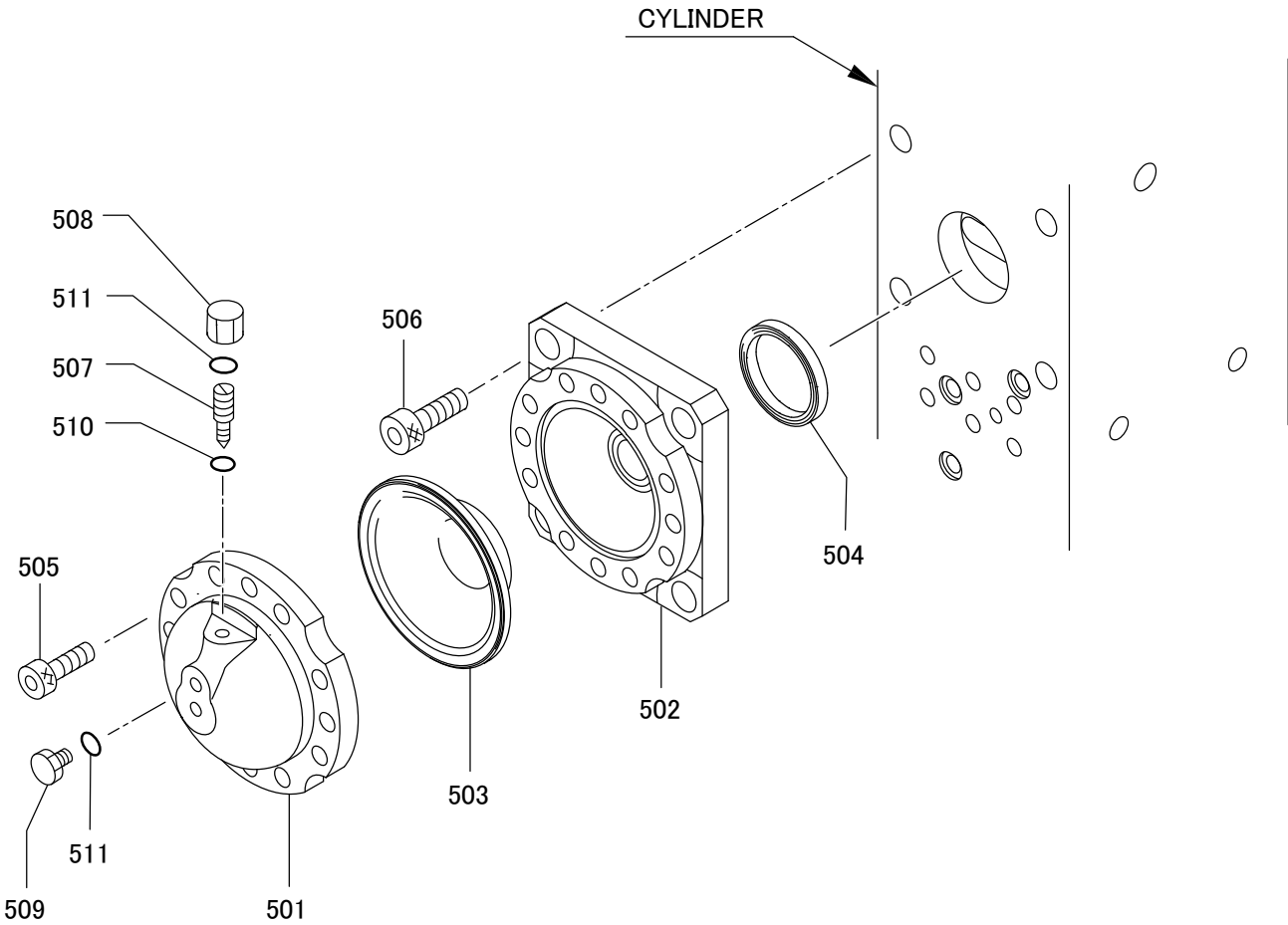
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902203-920060	SEAL KIT(B)		FOR CYLINDER, BACK HEAD
001	160011-00011	*O-RING	15	
002	160011-00014	*O-RING	2	
003	160011-00018	*O-RING	3	
004	002407-100110	*A-PLUG	4	
005	160011-00024	*O-RING	3	
006	160011-00006	*O-RING	1	
007	161011-00029	*O-RING	2	



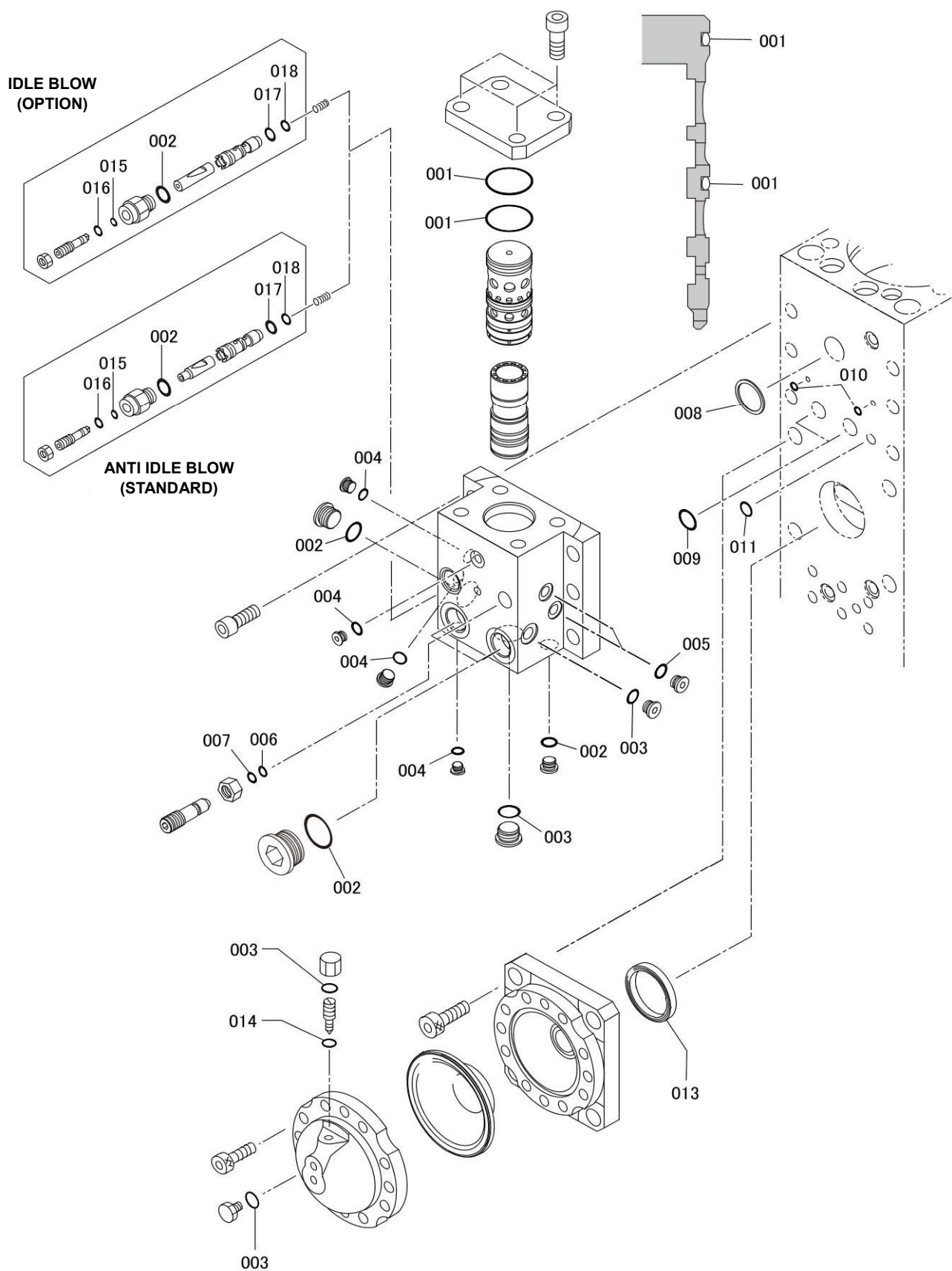
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902203-130020	VALVE ASSEMBLY		D 902203-130021
	902203-130020	VALVE ASSEMBLY		
201	002203-130013	*VALVE	1	D 002203-130070
201	002203-130070	*VALVE	1	
202	002203-130020	*VALVE LINER	1	D 002203-130080
202	002203-130080	*VALVE LINER	1	
203	002203-130030	*VALVE HOUSING	1	
204	002203-130040	*VALVE HOUSING COVER	1	
205	002203-130050	*DUAL SEAL	2	R3
206	084891-06000	*PLUG	2	
207	160011-00024	*O-RING	2	R3
208	084891-03000	*PLUG	2	
209	160011-00014	*O-RING	2	R3
210	084891-01000	*PLUG	4	
211	160011-00008	*O-RING	4	R3
212	084891-02000	*PLUG	2	
213	160011-00011	*O-RING	2	R3
214	102033-18050	*SOCKET BOLT	4	
215	102032-20050	*SOCKET BOLT	6	
216	HB15G-13110	*VALVE ADJUSTER	1	
217	262021-00012	*BACK-UP RING	1	R3
218	160011-00012	*O-RING	1	R3
219	120133-20000	* FINE THREADED NUT	1	
220a	F22-13326	*STROKE ADJUSTER	1	ANTI IDLE BLOW
A01	F22-13320	**STROKE VALVE	1	
A02	F22-13121	**STROKE BUSH	1	
A03	F22-13122	**STROKE ADJUSTER	1	
A04	F22-13123	**STROKE PLUG	1	
A05	120133-16000	**FINE THREADED NUT	1	
A06	160011-00024	**O-RING	1	R3
A07	160011-00009	**O-RING	1	R3
A08	262021-00009	**BACK-UP RING	1	R3
A09	F22-13522	**DUAL SEAL	1	R3
A10	F22-13521	**DUAL SEAL	1	R3
220b	F22-13327	*STROKE ADJUSTER	1	IDLE BLOW
B01	F22-13325	**STROKE VALVE	1	
B02	F22-13121	**STROKE BUSH	1	

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
B03	F22-13122	**STROKE ADJUSTER	1	
B04	F22-13123	**STROKE PLUG	1	
B05	120133-16000	**FINE THREADED NUT	1	
B06	160011-00024	**O-RING	1	R3
B07	160011-00009	**O-RING	1	R3
B08	262021-00009	**BACK-UP RING	1	R3
B09	F22-13522	**DUAL SEAL	1	R3
B10	F22-13521	**DUAL SEAL	1	R3
221	F22-13124	*SPRING	1	
222	HB20G-13208	*FACE SEAL	1	R3
223	161025-00035	*O-RING	2	R3
224	161011-00016	*O-RING	2	R3
225	161011-10022	*O-RING	1	R3
226	084891-10000	*PLUG	2	
227	161011-00029	*O-RING	2	R3
	902203-920070	SEAL KIT (C) (R3)		SEE PAGE 07-01

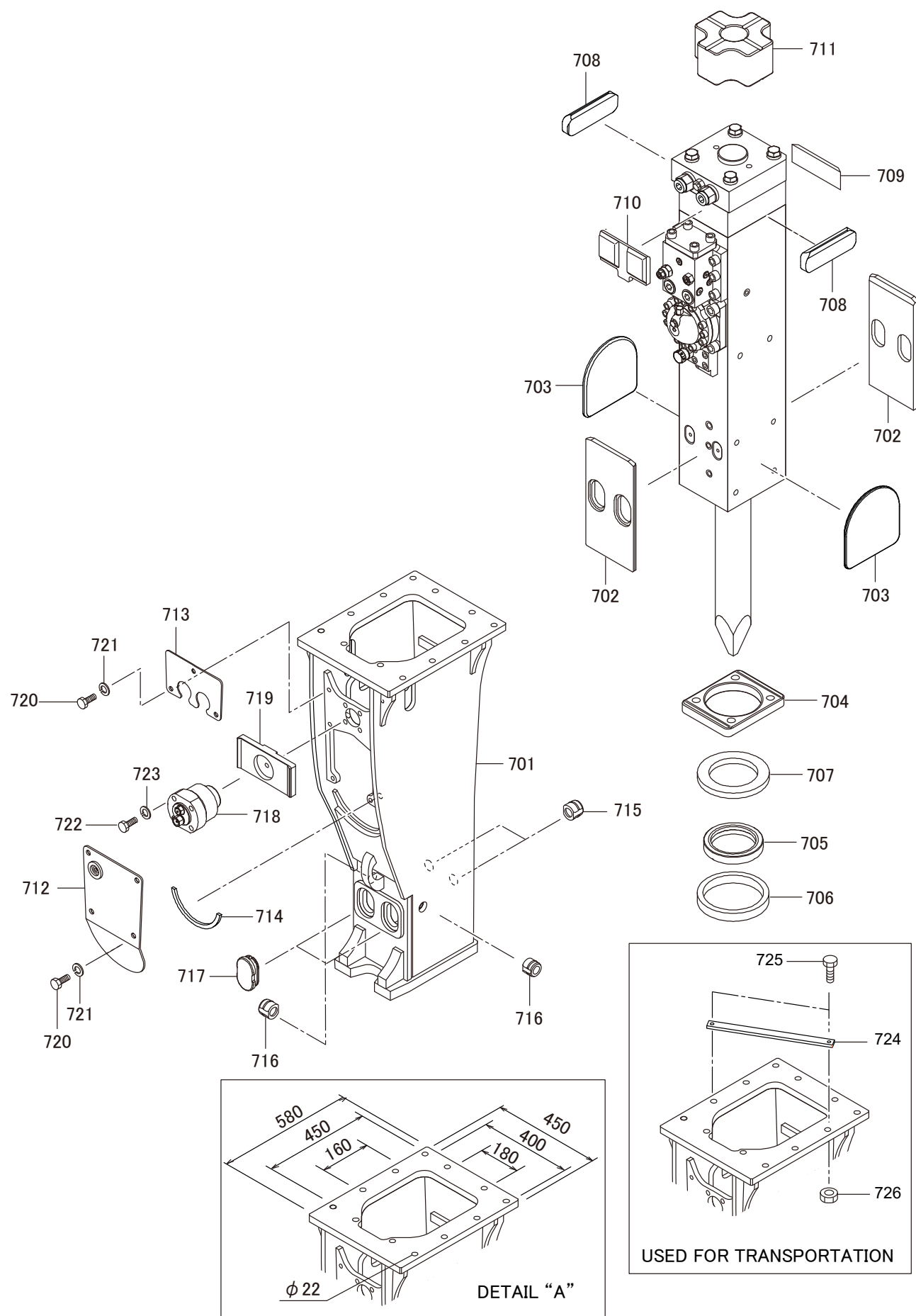
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ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F12-70001	ACCUMULATOR ASSEMBLY		
501	F12-70101	*ACCUMULATOR COVER	1	
502	F12-70102	*ACCUMULATOR BODY	1	
503	HB10G-70111	DIAPHRAGM	1	
504	HB20G-70219	*FACE SEAL	1	R3
505	102033-14040	*SOCKET BOLT	12	
506	102032-24055	*SOCKET BOLT	4	
507	007120-70134	*VALVE	1	
508	007010-70029	*CAP	1	
509	007010-70030	*PLUG	1	
510	160011-00005	*O-RING	1	R3
511	160011-00014	*O-RING	2	R3
	902203-920070	SEAL KIT (C) (R3)		SEE PAGE 07-01

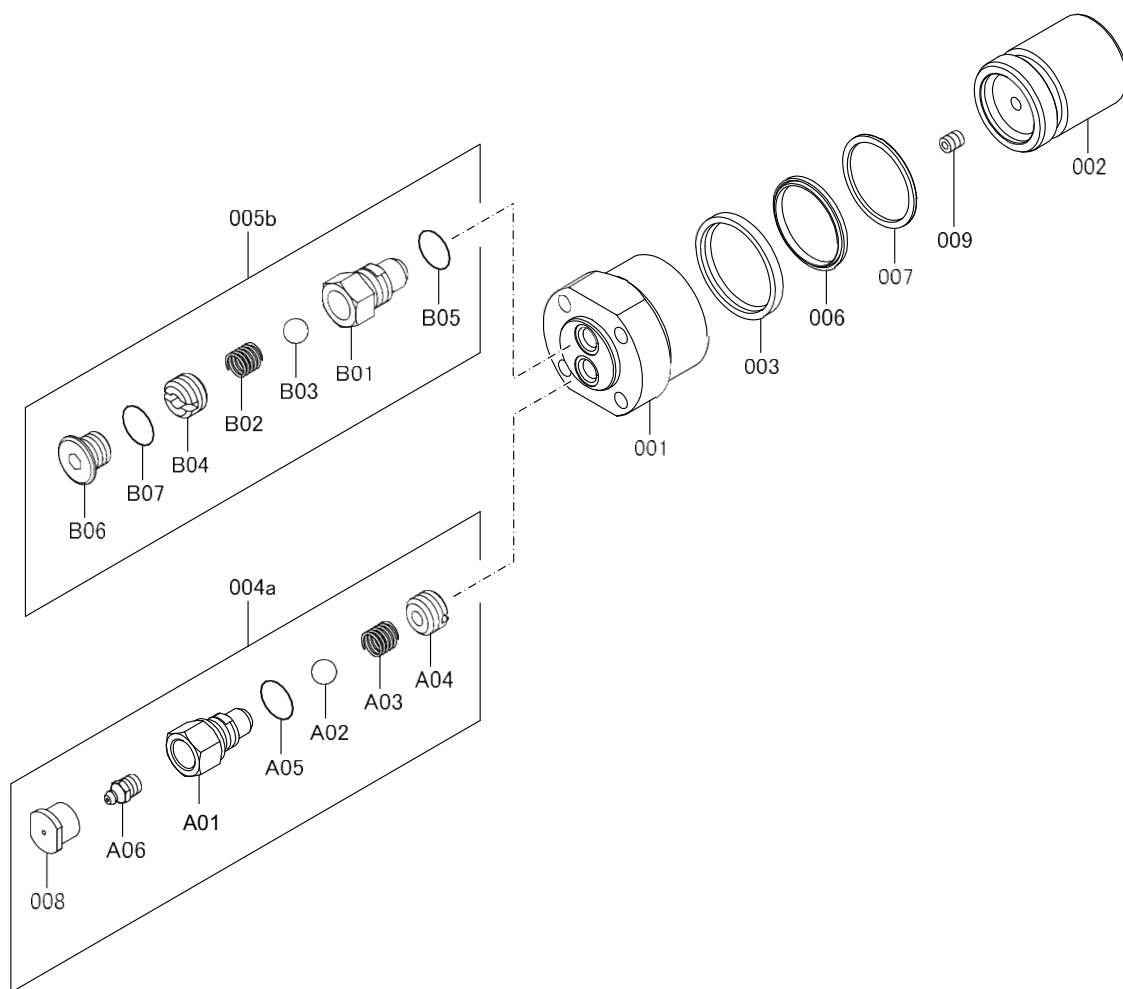


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902203-920070	SEAL KIT		FOR VALVE,ACCUMULATOR GROUP
001	002203-130050	*DUAL SEAL	2	
002	160011-00024	*O-RING	3	
003	160011-00014	*O-RING	4	
004	160011-00008	*O-RING	4	
005	160011-00011	*O-RING	2	
006	262021-00012	*BACK-UP RING	1	
007	160011-00012	*O-RING	1	
008	HB20G-13208	*FACE SEAL	1	
009	161025-00035	*O-RING	2	
010	161011-00016	*O-RING	2	
011	161011-10022	*O-RING	1	
012	161011-00029	*O-RING	2	
013	HB20G-70219	*FACE SEAL	1	
014	160011-00005	*O-RING	1	
015	160011-00009	*O-RING	1	
016	262021-00009	*BACK-UP RING	1	
017	F22-13522	*DUAL SEAL	1	
018	F22-13521	*DUAL SEAL	1	



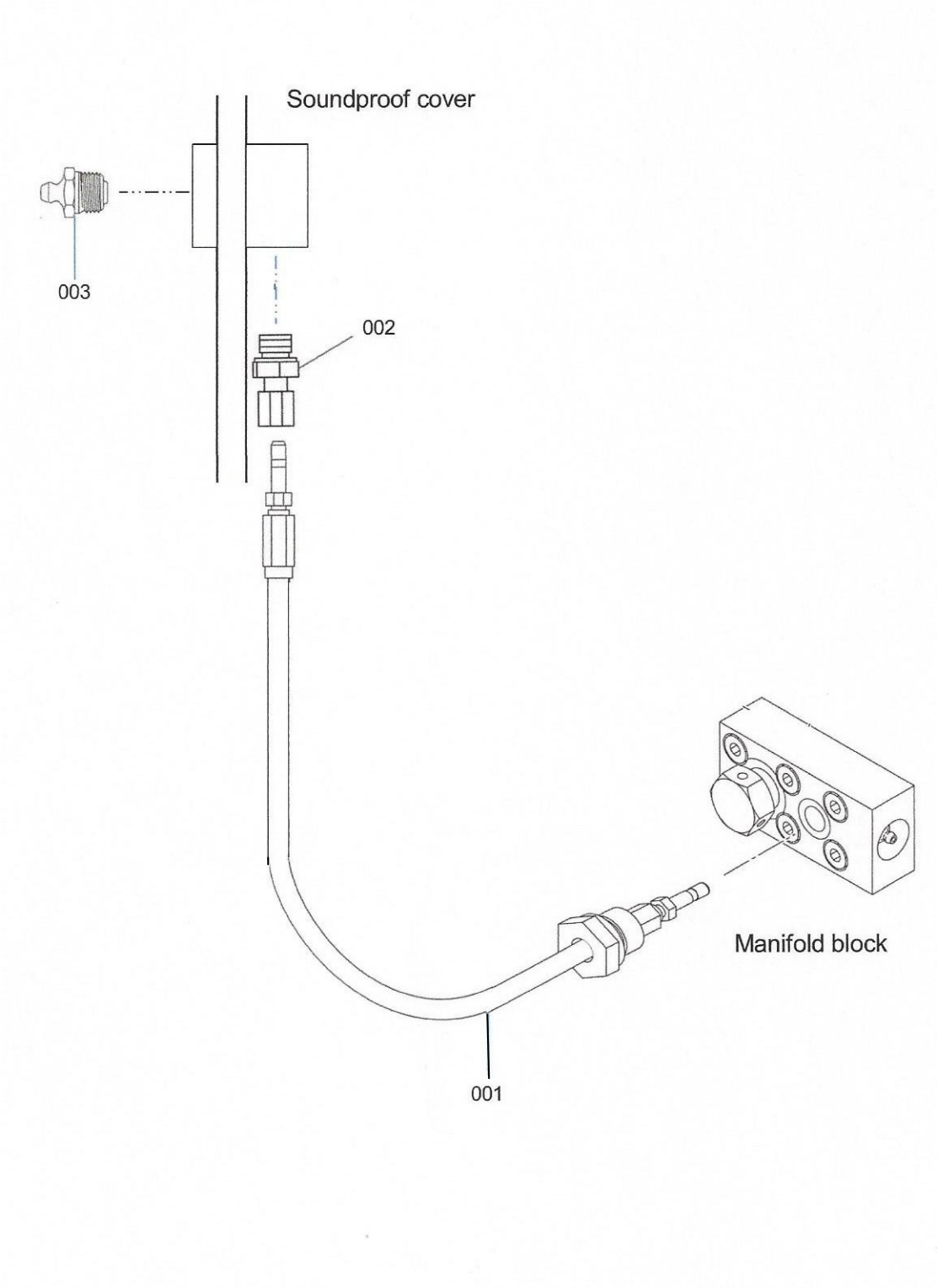
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	002203-880011	SV-BOX	1	
702	002203-880020	FRONT DAMPER	2	
703	002203-880030	SIDE DAMPER	2	
704	002203-880040	BOTTOM SPACER	1	
705	002203-880050	PROTECT SEAL	1	
706	002203-880060	DUST PROTECTOR	1	
707	002203-880070	DUST PROTECTOR	1	
708	002203-880080	BACK DAMPER(A)	2	
709	002203-880170	BACK DAMPER(B)	1	
710	002203-880090	BACK DAMPER(C)	1	
711	002203-880100	TOP DAMPER	1	
712	002203-880110	SOUNDPROOF COVER (A)	1	
713	002203-880120	SOUNDPROOF COVER (B)	1	
714	002203-880130	CUSHION	1	
715	002201-830161	DUST PLUG	2	
716	002203-880140	DUST PLUG	2	
717	002203-880150	PIN PLUG	2	
718	902407-890010	HYDRAULIC ADJUSTER ASSEMBLY	1	SEE PAGE 10-01
719	002203-880160	PLATE	1	
720	101032-16030	BOLT	7	
721	HB1R-81104E	DISC WASHER	7	
722	101032-16045	BOLT	4	
723	140112-16000	WASHER	4	
724	F9-88231	FLAT BAR	1	TRANSPORT(WITHOUT TOP BRACKET)
725	101012-20050	BOLT	2	TRANSPORT(WITHOUT TOP BRACKET)
726	120112-20000	NUT	2	TRANSPORT(WITHOUT TOP BRACKET)

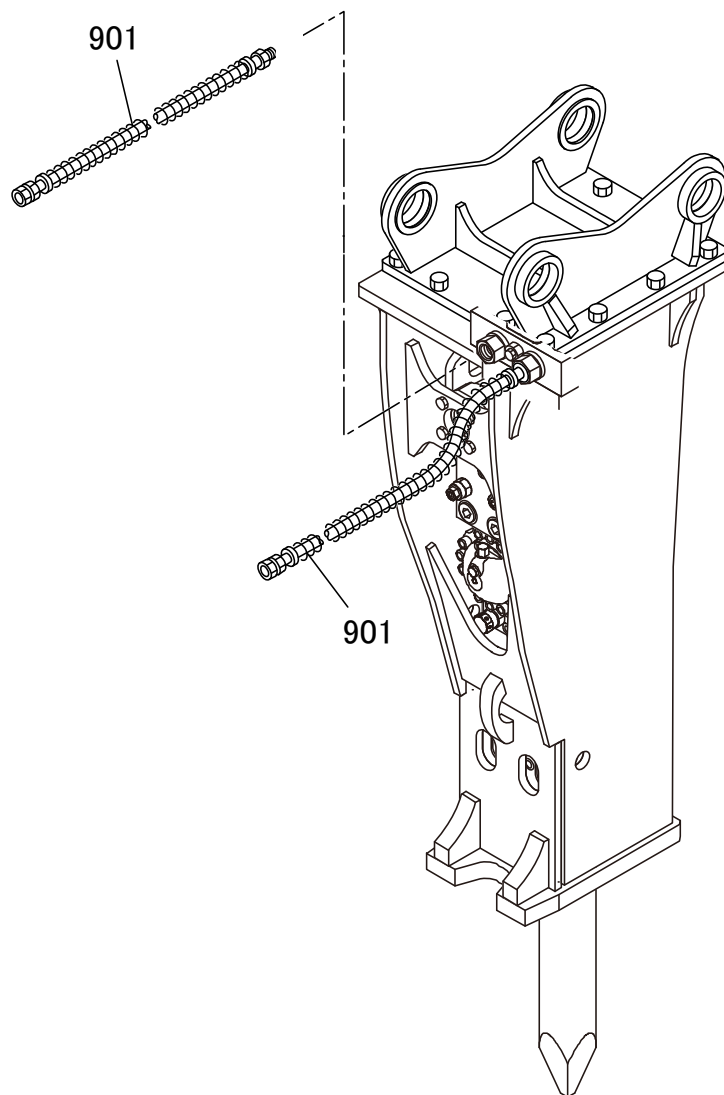
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	902203-880012	SV-BOX	1	
702	002203-880020	FRONT DAMPER	2	
703	002203-880030	SIDE DAMPER	2	
704	002203-880040	BOTTOM SPACER	1	
705	002203-880050	PROTECT SEAL	1	
706	002203-880060	DUST PROTECTOR	1	
707	002203-880070	DUST PROTECTOR	1	
708	002203-880080	BACK DAMPER (A)	2	
709	002203-880170	BACK DAMPER (B)	1	
710	002203-880090	BACK DAMPER (C)	1	
711	002203-880100	TOP DAMPER	1	
712	101032-16040V	BOLT	4	
713	HB1R-81104E	NORD-LOCK WASHER	5	
714	002203-880130	CUSHION	1	
715	002201-830161	DUST PLUG	2	
716	002203-880140	DUST PLUG	2	
717	002203-880150	PIN PLUG	2	
718	FXJ175-88502	SOUNDPROOF COVER	1	
719	122133-36000E	NUT	2	
720	F35-81114	NORD-LOCK WASHER	2	
721	FXJ175-83211	DAMPER ADJUSTER	2	
722	FXJ175-83209	SPACER (A)	1	
723	FXJ175-83210	SPACER (B)	1	
724	F9-88231	FLAT BAR	1	TRANSPORT(WITHOUT TOP BRACKET)
725	101012-20050	BOLT	2	TRANSPORT(WITHOUT TOP BRACKET)
726	120112-20000	NUT	2	TRANSPORT(WITHOUT TOP BRACKET)
727	101032-16030V	BOLT	1	
728	F22-88505	GROMMET	2	



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902407-890010	HYDRAULIC ADJUSTER ASSEMBLY		
001	002407-890010	*CYLINDER	1	
002	002407-890020	*ROD	1	
003	002407-890030	*DUST SEAL	1	
004a	002407-890040	*LUBRICATING VALVE ASSEMBLY	1	
A01	002407-890050	**LUBRICATING VALVE	1	
A02	020001-05011	**BALL	1	
A03	020001-05012	**SPRING	1	
A04	020001-05013	**SPRING HOLDER	1	
A05	160011-00018	**O-RING	1	
A06	170312-00000	**GREASE NIPPLE	1	
005b	002407-890060	*RELIEF VALVE ASSEMBLY	1	D 002407-890061
B01	002407-890070	**VALVE BODY	1	
B02	002407-890080	**SPRING	1	
B03	020001-05011	**BALL	1	
B04	020001-05013	**SPRING HOLDER	1	
B05	160011-00018	**O-RING	1	
B06	084891-02000	**GPF PLUG	1	
B07	160011-00011	**O-RING	1	
005b	002407-890061	*RELIEF VALVE ASSEMBLY	1	
B01	002407-890071	**VALVE BODY	1	
B02	002407-890080	**SPRING	1	
B03	020001-05011	**BALL	1	
B04	002407-890110	**SPRING HOLDER	1	
B05	161011-00018	**O-RING	1	
B06	002407-890100	**GPF PLUG	1	
B07	161011-00011	**O-RING	1	
006	085620-70606	*PACKING	1	
007	262023-70060	*BACKUP RING	1	
008	002407-890090	*PLUG	1	
009	111010-10015	*SET SCREW	1	

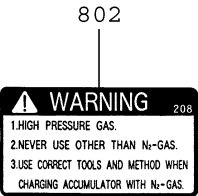
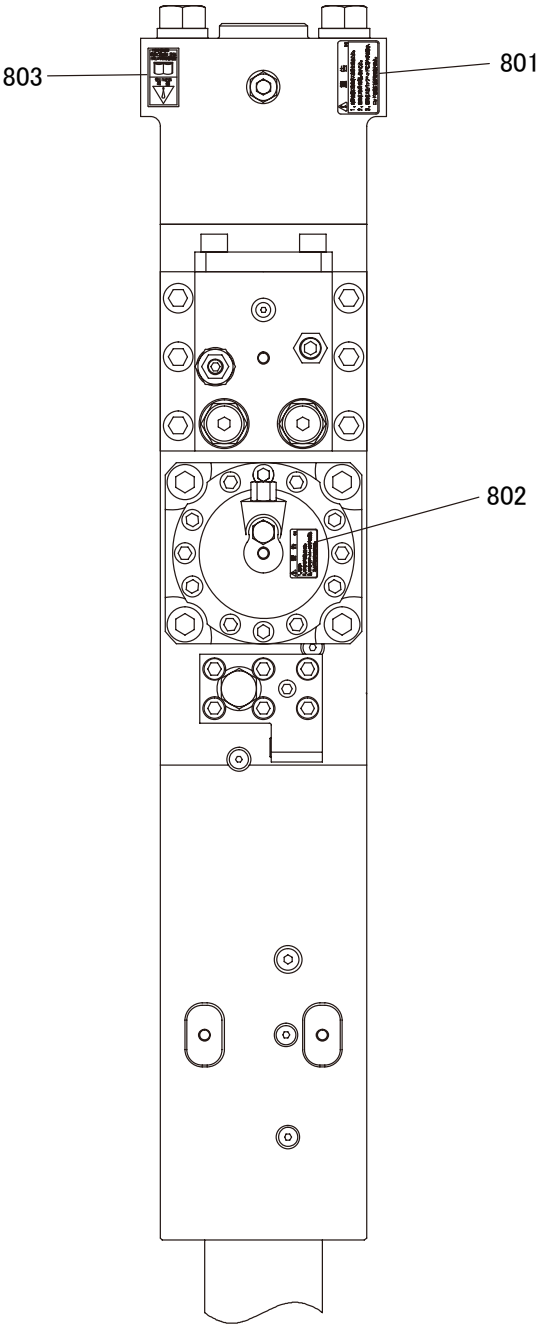
GREASE HOSE ASSEMBLY



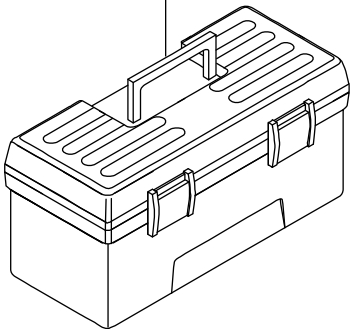


SV-BOX

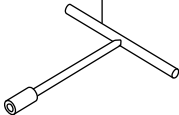
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
901	1000924	HYDRAULIC HOSE ASSEMBLY	2	(L - 2300mm)



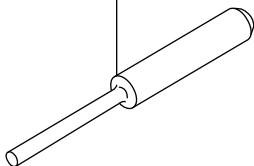
001



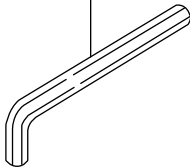
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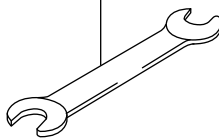
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008 009 010



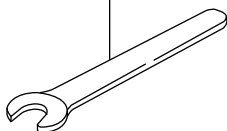
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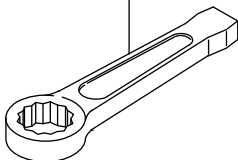
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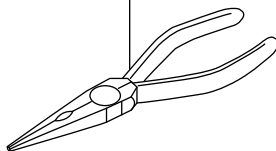
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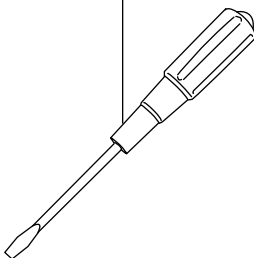
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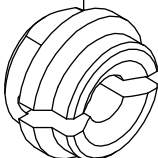
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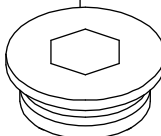
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023



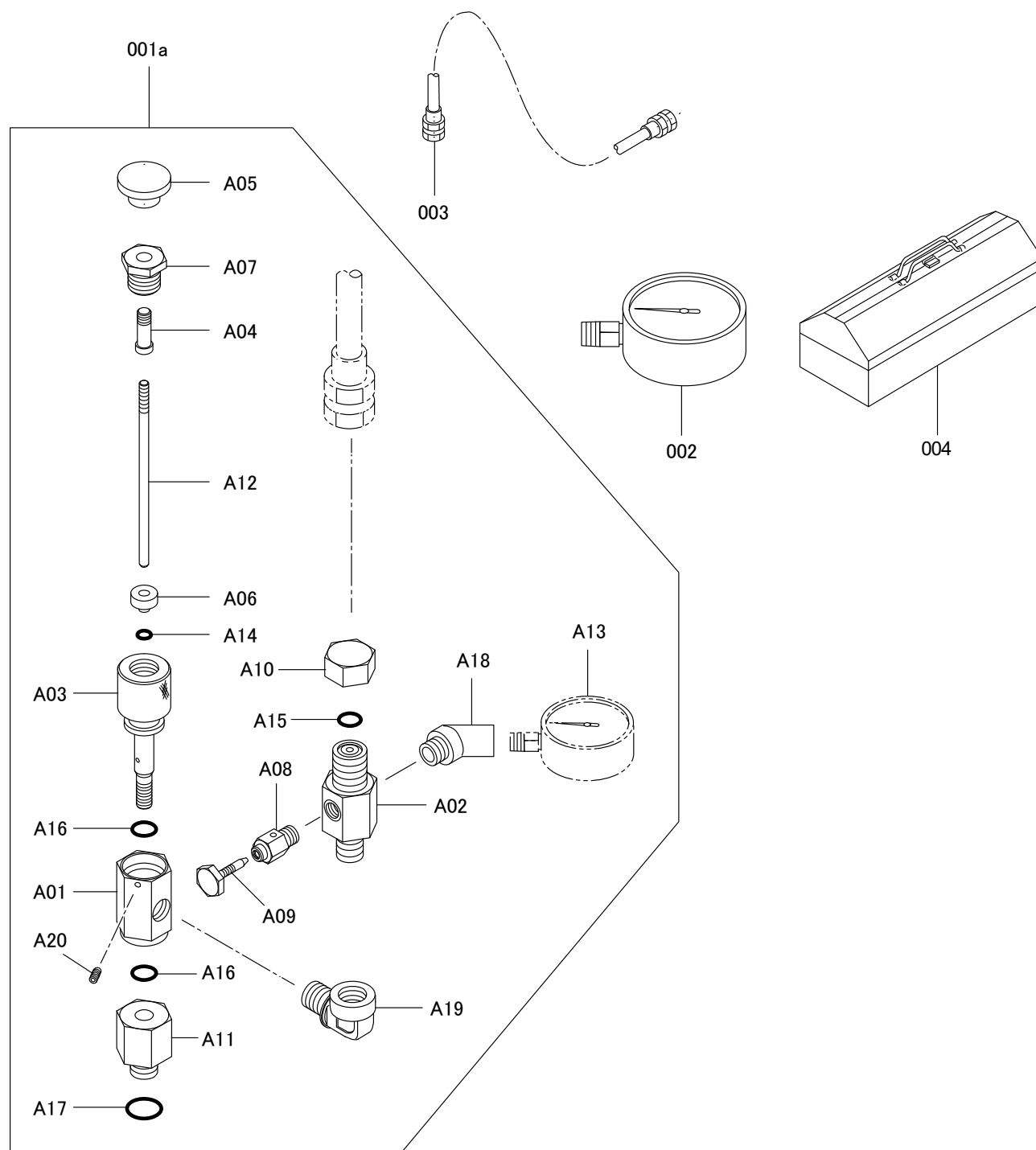
024



025



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
001	090012-91016	TOOL BOX	1	
002	090012-25009	14mm T-HANDLE WRENCH	1	
003	HB20G-90107	PRESS PIN	1	
004	090012-17029	5mm SOCKET WRENCH	1	
005	090012-17008	8mm SOCKET WRENCH	1	
006	090012-17009	10mm SOCKET WRENCH	1	
007	090012-17028	12mm SOCKET WRENCH	1	
008	090012-17011	14mm SOCKET WRENCH	1	
009	090012-17012	17mm SOCKET WRENCH	1	
010	090012-17013	19mm SOCKET WRENCH	1	
011	102032-12050	SOCKET BOLT	1	
012	090012-12020	17x19mm DOUBLE OPEN ENDED SPANNER	1	
013	090012-12027	22x24mm DOUBLE OPEN ENDED SPANNER	1	
014	090012-12033	27x30mm DOUBLE OPEN ENDED SPANNER	1	
015	090012-12041	36x41mm DOUBLE OPEN ENDED SPANNER	1	
016	090012-11012	19mm SINGLE OPEN ENDED SPANNER	1	
017	090012-11020	30mm SINGLE OPEN ENDED SPANNER	1	
018	090012-11023	36mm SINGLE OPEN ENDED SPANNER	1	
019	090012-13002	46mm STRIKING FACE RING SPANNER	1	
020	090012-32001	150mm NEEDLE-NOSE PLIERS	1	
021	090012-41005	8x150mm SLOTTED SCREWDRIVER	1	
023	002407-100110	A-PLUG	2	
024	084891-06000	GPF PLUG	2	
025	160011-00024	O-RING	2	



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
001a	002407-920010	HIGH PRESSURE GAS CHARGING KIT	1	
A01	*	*CHARGING BODY	1	
A02	*	*CHARGING CONNECTOR	1	
A03	*	*SHAFT	1	
A04	*	*SLEEVE	1	
A05	*	*CAP	1	
A06	*	*COLLAR	1	
A07	*	*BUSHING	1	
A08	*	*VALVE BODY	1	
A09	*	*PLUG	1	
A10	*	*CAP	1	
A11	*	*CONNECTOR	1	
A12	*	*ROD	1	
A13	002407-920140	*PRESSURE GAUGE	(1)	
A14	160011-00003	*O-RING	1	
A15	160011-00009	*O-RING	1	
A16	160011-00011	*O-RING	2	
A17	160011-00014	*O-RING	1	
A18	*	*STREET ELBOW,HIGH PRESSURE	1	
A19	*	*STREET ELBOW,HIGH PRESSURE	1	
A20	*	*SET SCREW	1	
002	002407-920140	PRESSURE GAUGE	1	
003	001200-80015	CHARGING HOSE	1	
004	090012-91007	TOOL BOX	1	



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