

PARTS LIST

Fxj225

HYDRAULIC BREAKER



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

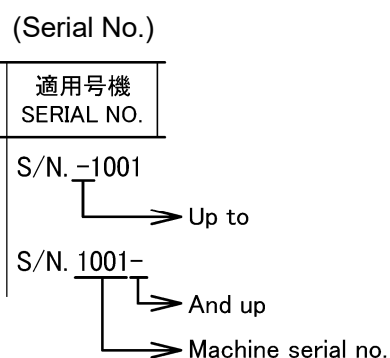
(1) Illustration

- 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:

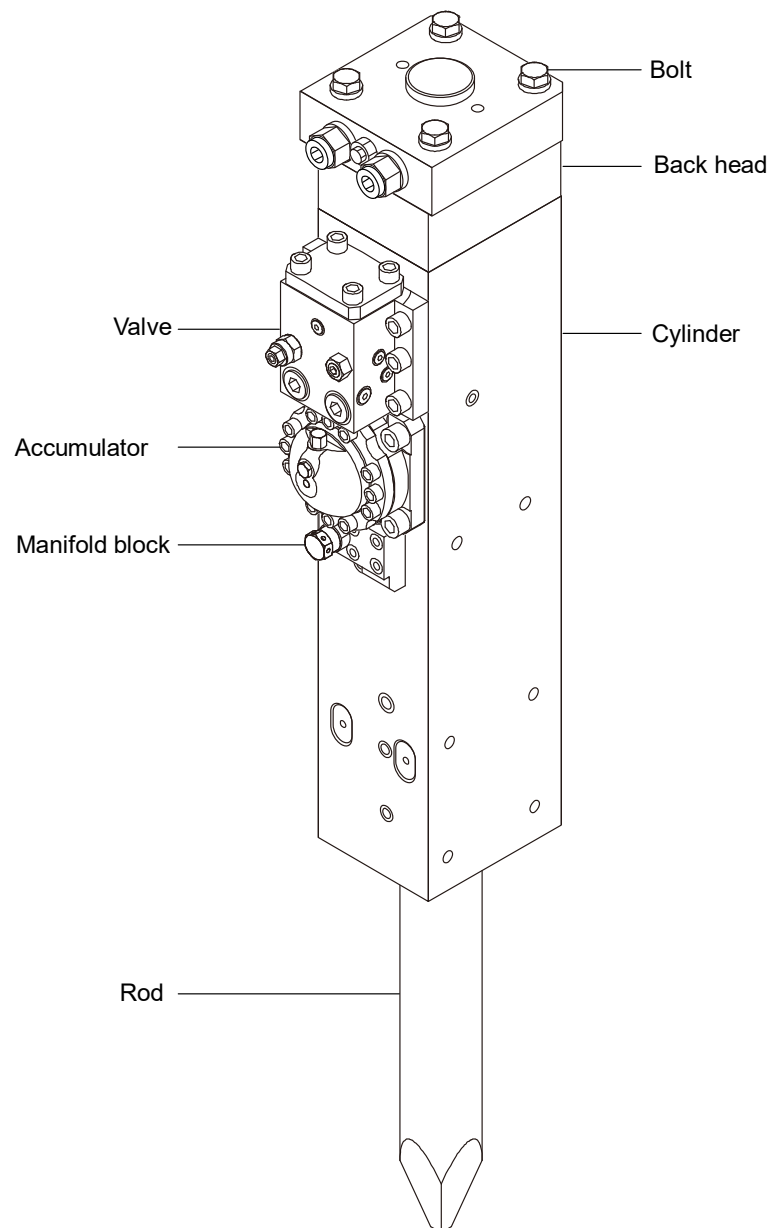


⑥ RemarksThe marks and part numbers in the Remarks column are described below.

- 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

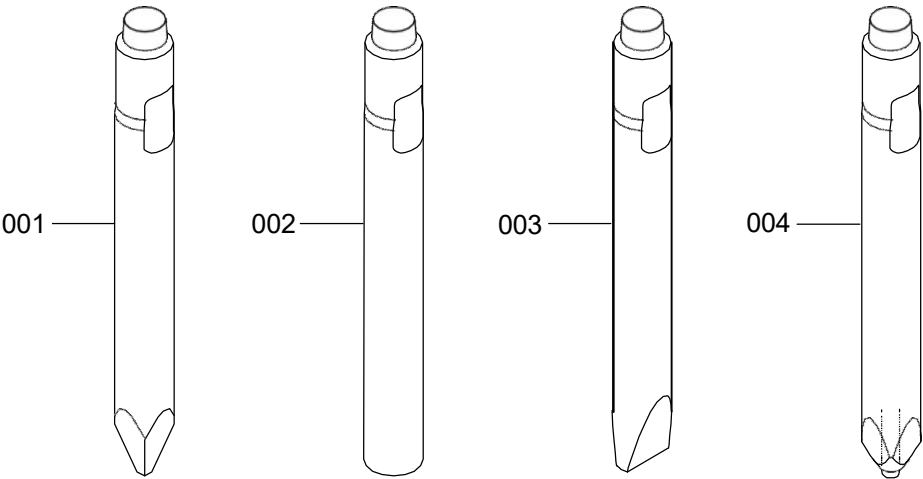
FIG.NO.	GROUP NAME	PAGE
902411-010010	BREAKER BODY UNIT	01-01
902411-250010	ROD	02-01
902411-920020	SEAL KIT (A) (CYLINDER GROUP)	03-01
902411-920030	SEAL KIT (B) (CYLINDER, BACK HEAD GROUP)	04-01
902411-130010	VALVE	05-01
F19-70001	ACCUMULATOR	06-01
902411-920040	SEAL KIT (C) (VALVE, ACCUMULATOR GROUP)	07-01
902411-880010	SV-BOX (WITH HYDRAULIC DAMPER ADJUSTER)	08-01
902411-880012	SV-BOX (WITH MECHANICAL DAMPER ADJUSTER)	09-01
902407-890010	HYDRAULIC ADJUSTER	10-01
	GREASE HOSE ASSEMBLY	11-01
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902407-920080	SEAL KIT (D) SWIVEL ADAPTER GROUP	16-01
902407-920010	NITROGEN CHARGING KIT	17-01

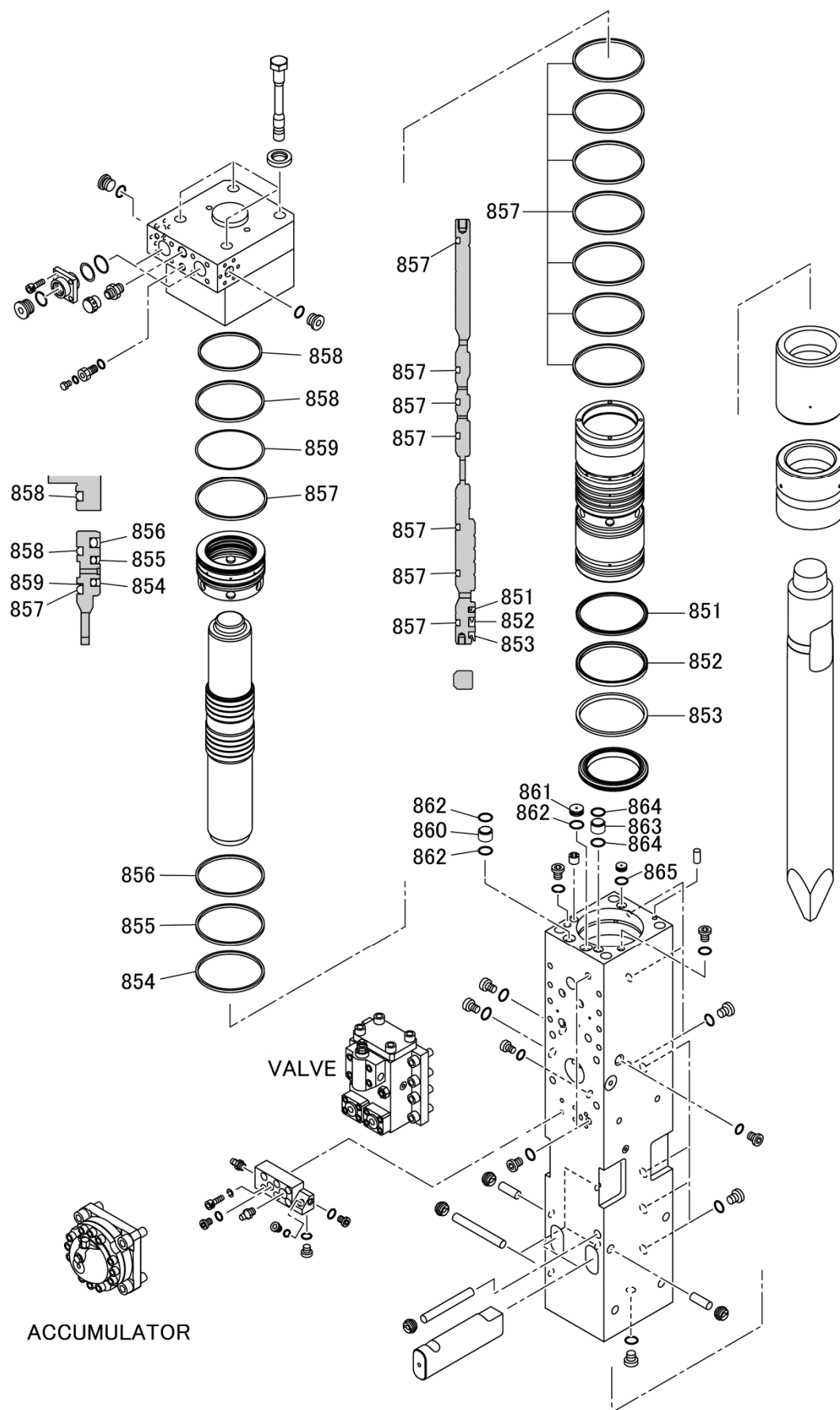
SERVICE MEMO

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
101	002411-100010	CYLINDER	1	
102	002411-100030	CYLINDER LINER	1	
103	002411-100040	BUFFER RING	1	R1
104	002411-100050	U-PACKING	1	R1
105	002411-100060	DUST SEAL	1	R1
106	F27-10116	D-RING	8	R1
107	002411-100070	DISTANCE WASHER	1	D 002411-100071
107	002411-100071	DISTANCE WASHER	1	S/N.1012 ~
108	002411-100080	SEAL RETAINER	1	
109	002411-100090	ROD SEAL	1	R1
110	002411-100100	ROD SEAL	1	R1
111	002411-100110	ROD SEAL	1	R1
112	262032-00170	BACK-UP RING	1	R1
113	F27-10216	DELTA RING	1	R1
114	002407-100140	BUSH	1	R1
115	002407-100150	SEAL	2	R1
116	F22-10121	BUSH	1	R1
117	F22-10220	PLUG	1	R1
118	161011-00029	O-RING	3	R1
119	002407-100130	PLUG	1	
120	161011-10022	O-RING	1	R1
121	084896-06000	PLUG	1	
122	160011-00024	O-RING	1	R2
123	084896-04000	PLUG	1	
124	160011-00018	O-RING	1	R2
125	084896-03000	PLUG	5	
126	160011-00014	O-RING	5	R2
127	084896-02000	PLUG	9	
128	160011-00011	O-RING	9	R2
129	002411-100121	FRONT HOLDER	1	
130	002411-100131	FRONT BUSH	1	
131	002411-100140	STOP PIN	4	
132	002411-100150	STOP PIN	2	
133	002407-100110	PLUG(A)	6	R2
134	002411-100160	ROD PIN	2	
135	F22-20121	CHECK VALVE	1	R2
136	F22-10125	KNOCK PIN	1	

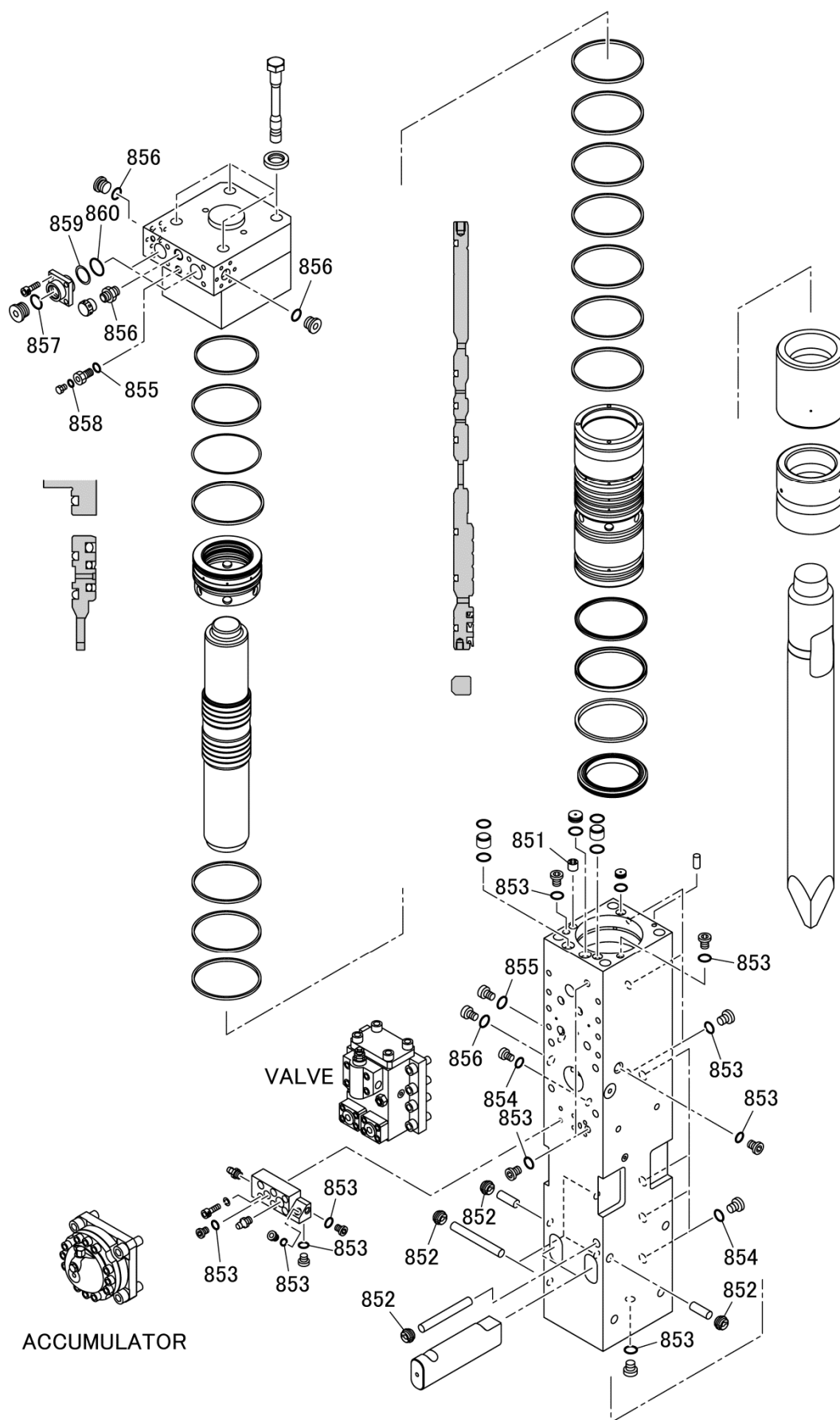
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151	002411-110010	PISTON	1	
181	002411-120010	MANIFOLD BLOCK	1	
182	000500-220110	SPRING WASHER	6	
183	102032-14050	SOCKET BOLT	6	
184	001100-20123	GREASE NIPPLE	2	
185	084896-02000	PLUG	4	
186	160011-00011	O-RING	4	R2
381	*	ROD	(1)	SEE PAGE 02-01
401	002411-300010	BACK HEAD	1	
402	F27-10216	DELTA RING	1	
403	HB15G-30103	CHARGING VALVE	1	
404	HB20G-30109	PLUG	1	
405	160011-00006	O-RING	1	R2
406	160011-00018	O-RING	1	R2
407	084869-06000	MALE CONNECTOR	1	
408	F22-30113	CAP	1	
409	HB20G-30302	FLANGE ADAPTER	2	
410	102033-14035	SOCKET BOLT	8	
411	262022-00040	BACK-UP RING	2	R2
412	161025-00040	O-RING	2	R2
413	084896-10000	PLUG	2	
414	160011-00029	O-RING	2	R2
415	084896-06000	PLUG	2	
416	160011-00024	O-RING	2	R2
451	002411-360010	BOLT	4	
452	002411-360020	WASHER	4	

SERVICE MEMO

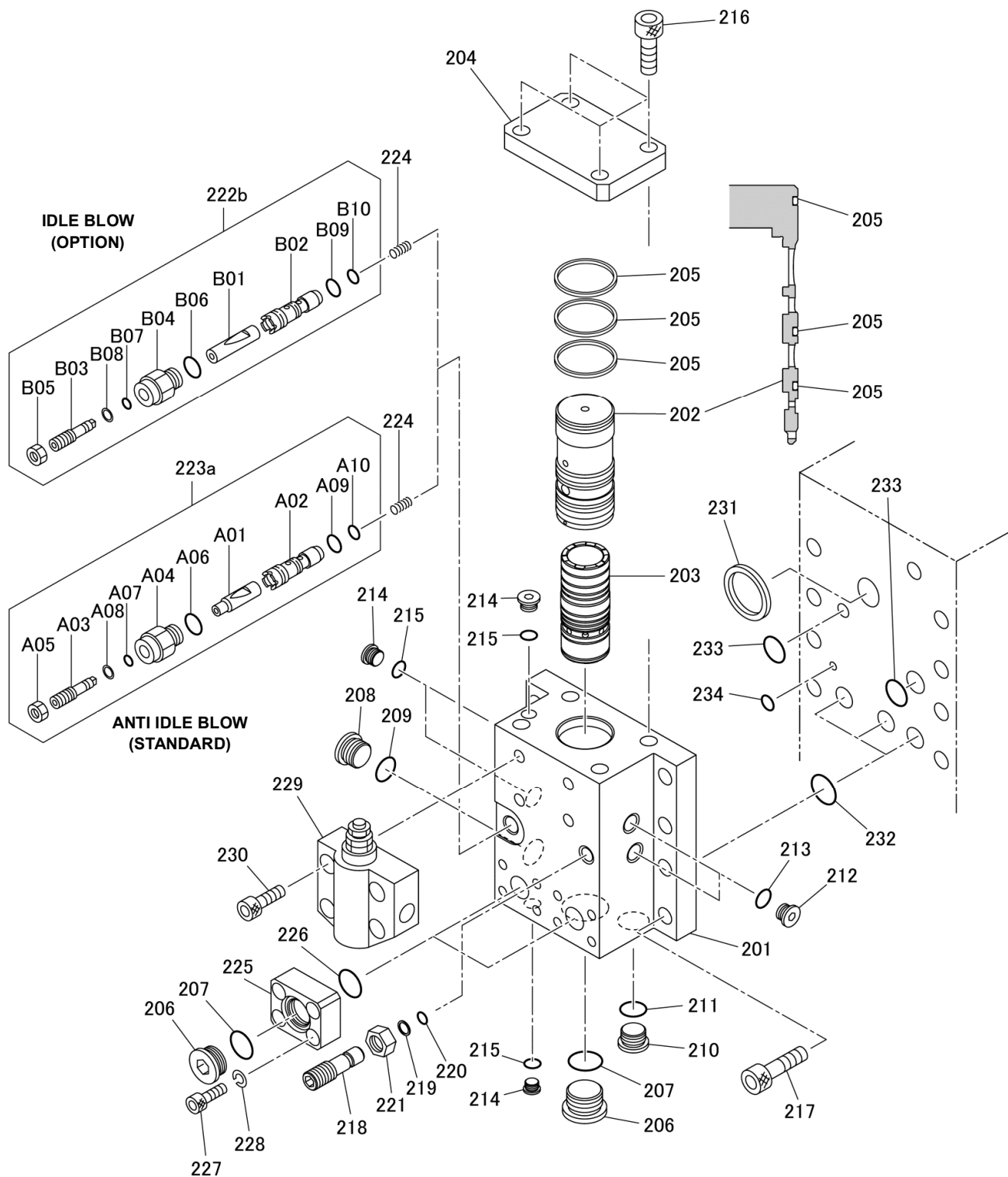




ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902411-920020	SEAL KIT (A)		
851	002411-100040	*BUFFER RING	1	
852	002411-100050	*U-PACKING	1	
853	002411-100060	*DUST SEAL	1	
854	002411-100090	*ROD SEAL	1	
855	002411-100100	*ROD SEAL	1	
856	002411-100110	*ROD SEAL	1	
857	F27-10116	*D-RING	8	
858	F27-10216	*DELTA RING	2	
859	262032-00170	*BACK-UP RING	1	
860	F22-10121	*BUSH	1	
861	F22-10220	*PLUG	1	
862	161011-00029	*O-RING	3	
863	002407-100140	*BUSH	1	
864	002407-100150	*SEAL	2	
865	161011-10022	*O-RING	1	



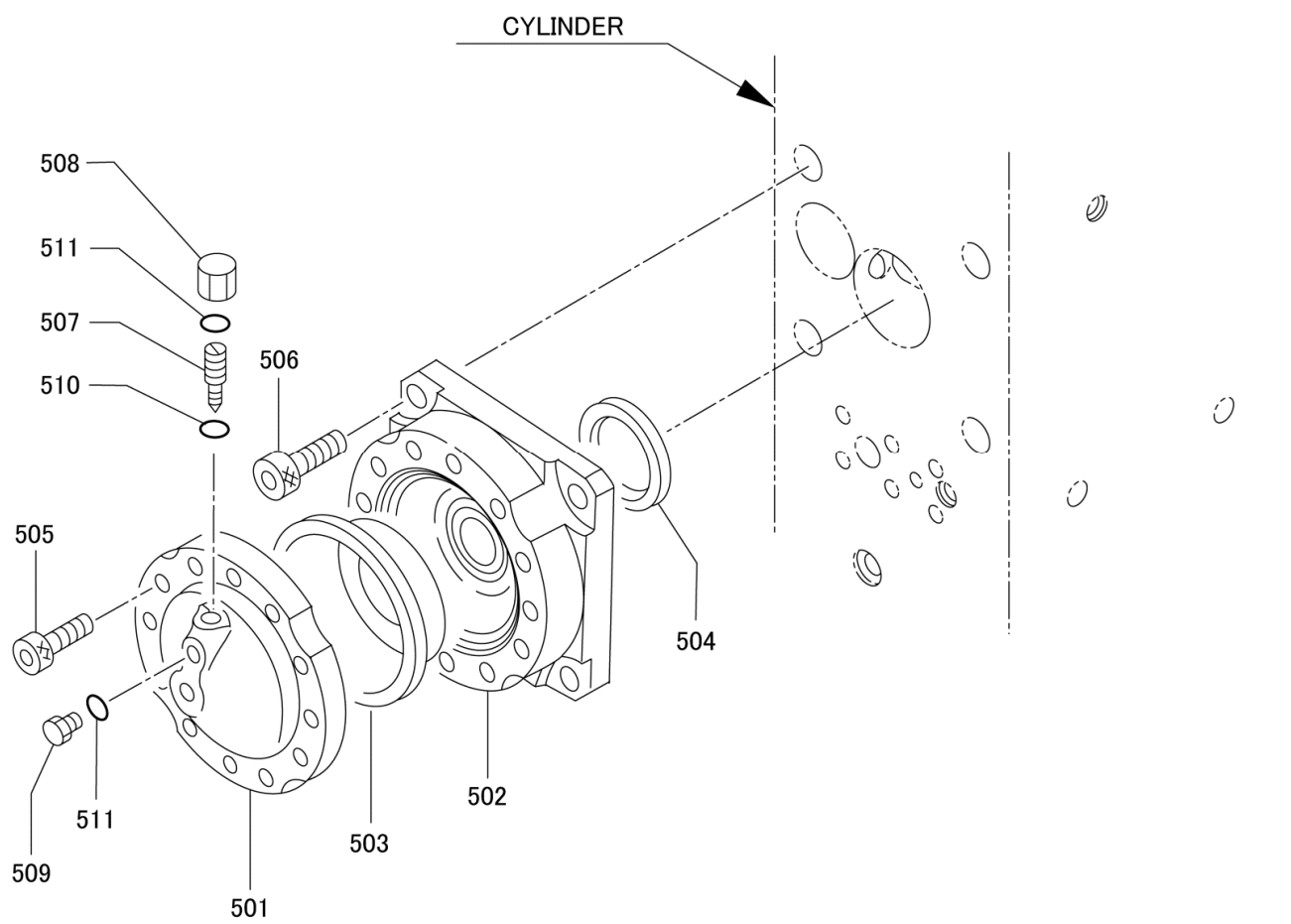
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902411-920030	SEAL KIT (B)		
851	F22-20121	*CHECK VALVE	1	
852	002407-100110	*PLUG (A)	6	
853	160011-00011	*O-RING	13	
854	160011-00014	*O-RING	5	
855	160011-00018	*O-RING	2	
856	160011-00024	*O-RING	4	
857	160011-00029	*O-RING	2	
858	160011-00006	*O-RING	1	
859	262022-00040	*BACK-UP RING	2	
860	161025-00040	*O-RING	2	



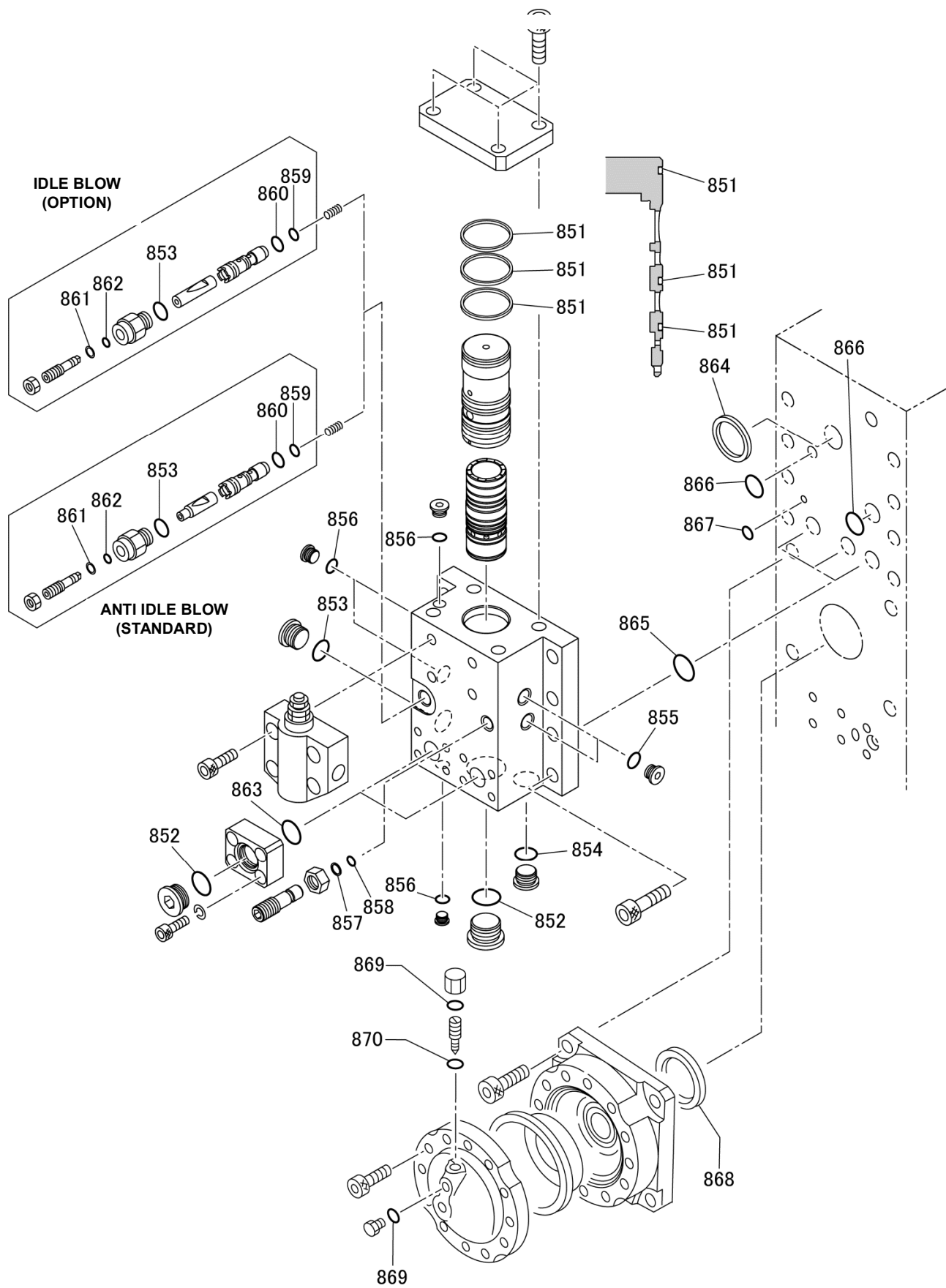
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902411-130010	VALVE ASSEMBLY		
201	002411-130010	*VALVE HOUSING	1	
202	002411-130020	*VALVE RETAINER	1	
203	002411-130030	*VALVE	1	
204	002411-130040	*COVER	1	
205	002203-130050	*DUAL SEAL	3	
206	084896-10000	*PLUG	3	
207	160011-00029	*O-RING	3	R3
208	084896-06000	*PLUG	1	
209	160011-00024	*O-RING	1	R3
210	084896-04000	*PLUG	1	
211	160011-00018	*O-RING	1	
212	084896-02000	*PLUG	2	
213	160011-00011	*O-RING	2	
214	084896-01000	*PLUG	4	
215	160011-00008	*O-RING	4	R3
216	102033-20050	*SOCKET BOLT	4	
217	102032-20050	*SOCKET BOLT	8	
218	HB15G-13110	*ADJUSTER VALVE	1	
219	262021-00012	*BACK-UP RING	1	R3
220	160011-00012	*O-RING	1	R3
221	120133-20000	*NUT	1	
222b	F22-13327	*STROKE ADJUSTER	1	IDLE BLOW
B01	F22-13325	**STROKE VALVE	1	
B02	F22-13121	**STROKE BUSH	1	
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
223a	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	

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
A04	F22-13123	**STROKE PLUG	1	
A05	120133-16000	**FINE THREADED NUT	1	
A06	160011-00024	**O-RING	1	R3
A07	160011-00009	**O-RNIG	1	R3
A08	262021-00009	**BACK-UP RING	1	R3
A09	F22-13522	**DUAL SEAL	1	R3
A10	F22-13521	**DUAL SEAL	1	R3
224	F22-13124	*SPRING	1	
225	002411-130050	*FLANGE ADAPTER	2	
226	161025-00040	*O-RING	2	
227	102033-12030	*SOCKET BOLT	8	
228	F35-34408	*LOCK WASHER	8	
229	002411-130060	*THROTTLE VALVE	1	
230	102033-14035	*SOCKET BOLT	4	
231	HB30G-13208	*FACE SEAL	1	R3
232	161025-00035	*O-RING	3	R3
233	161025-00030	*O-RING	2	R3
234	161011-00016	*O-RING	1	R3

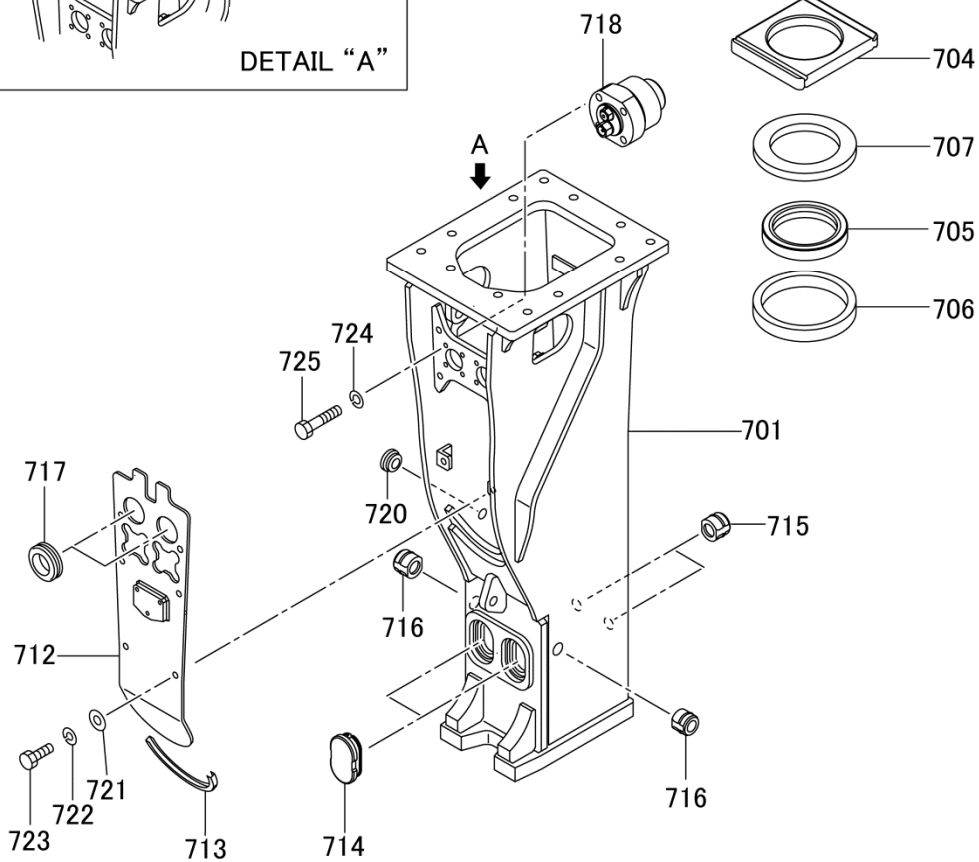
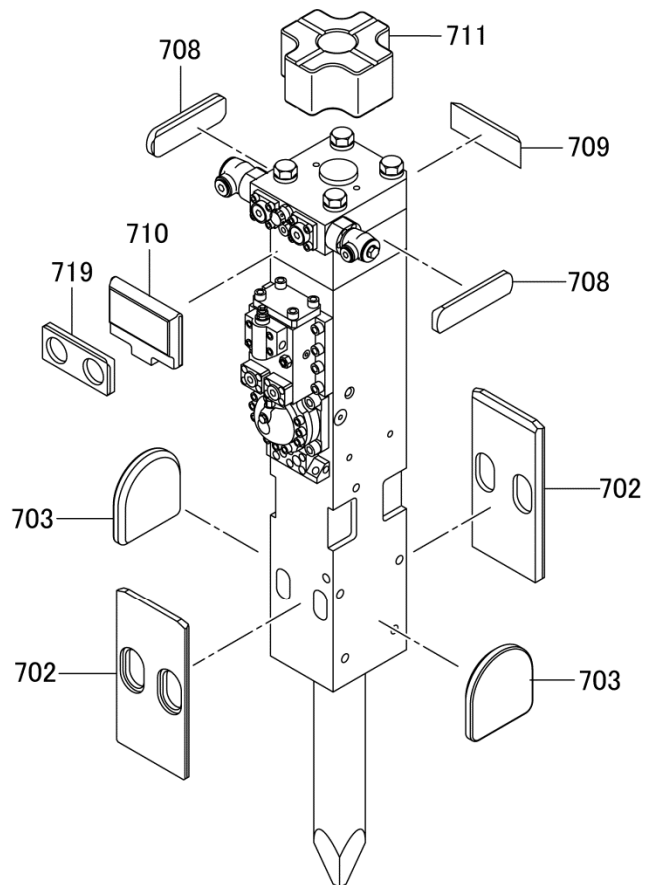
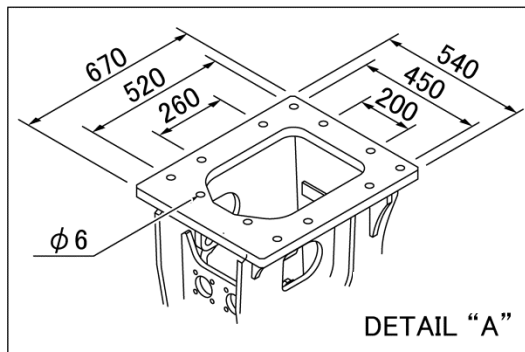
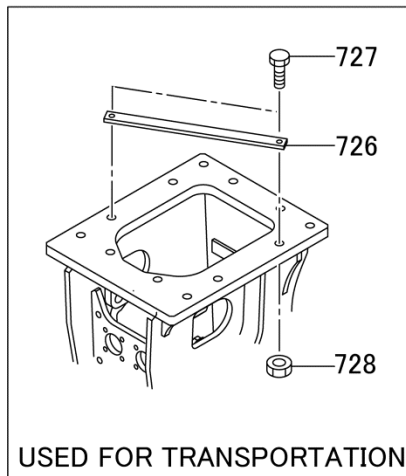
SERVICE MEMO



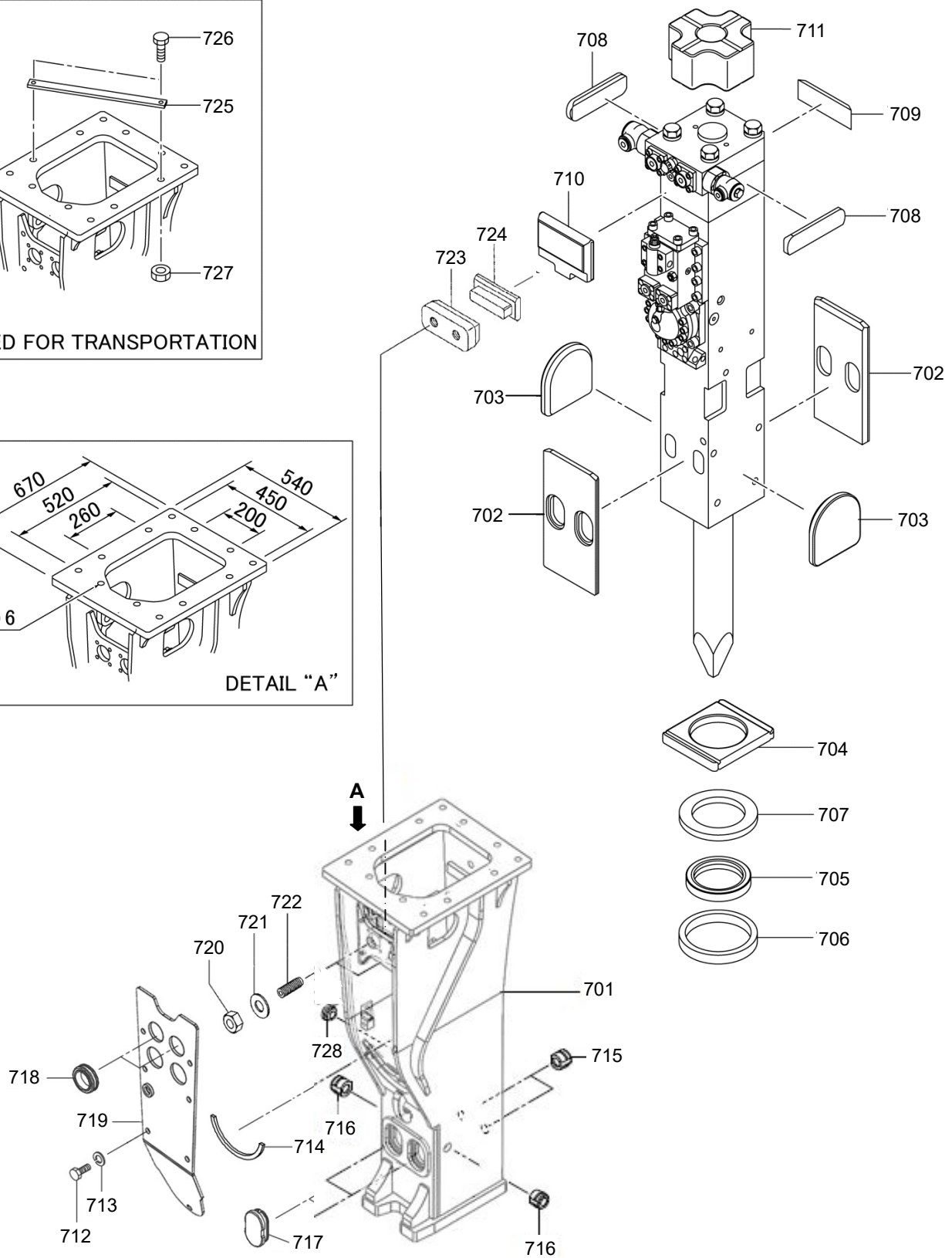
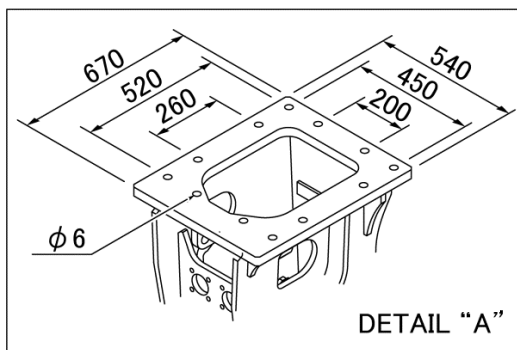
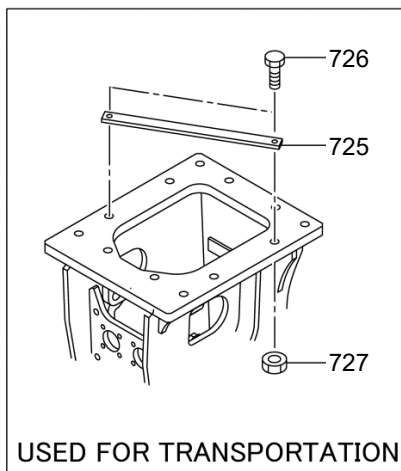
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F19-70001	ACCUMULATOR		
501	F19-70101	*ACCUMULATOR COVER	1	
502	F19-70102	*ACCUMULATOR BODY	1	
503	HB15G-70104	*DIAPHRAGM	1	
504	HB20G-70219	*FACE SEAL	1	R3
505	102033-16040	*SOCKET BOLT	12	
506	102032-24060	*SOCKET BOLT	4	
507	007120-70134	*VALVE	1	
508	007010-70029	*CAP	1	
509	007010-70030	*PLUG	1	
510	160011-00005	*O-RING	1	R3
511	160011-00014	*O-RING	2	R3
	902411-920040	SEAL KIT (C) (R3)		SEE PAGE 07-01



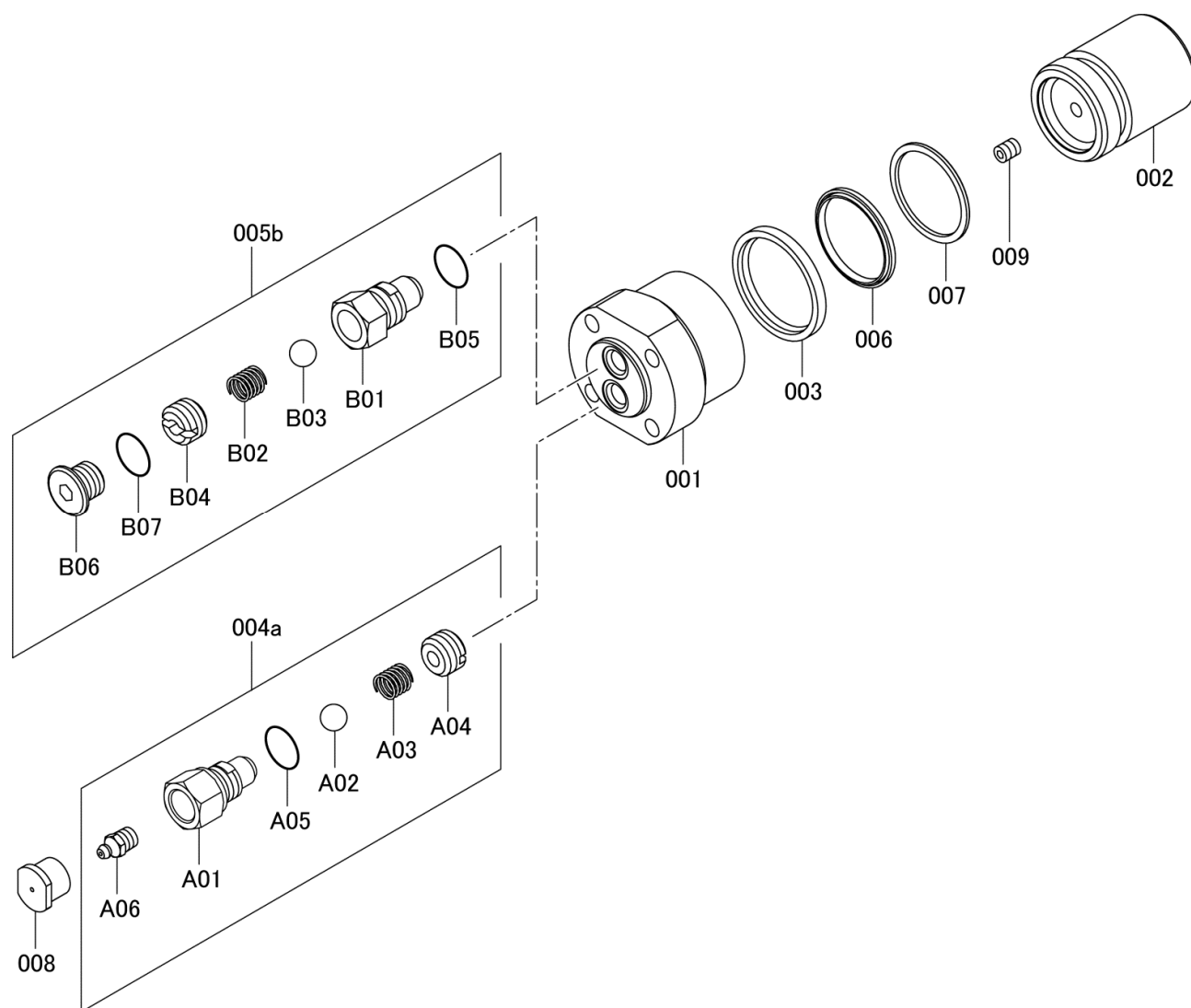
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902411-920040	SEAL KIT (C)		
851	002203-130050	*DUAL SEAL	3	
852	160011-00029	*O-RING	3	
853	160011-00024	*O-RING	2	
854	160011-00018	*O-RING	1	
855	160011-00011	*O-RING	2	
856	160011-00008	*O-RING	4	
857	262021-00012	*BACK-UP RING	1	
858	160011-00012	*O-RING	1	
859	F22-13521	*DUAL SEAL	1	
860	F22-13522	*DUAL SEAL	1	
861	262021-00009	*BACK-UP RING	1	
862	160011-00009	*O-RING	1	
863	161025-00040	*O-RING	2	
864	HB30G-13208	*FACE SEAL	1	
865	161025-00035	*O-RING	3	
866	161025-00030	*O-RING	2	
867	161011-00016	*O-RING	1	
868	HB20G-70219	*FACE SEAL	1	
869	160011-00014	*O-RING	2	
870	160011-00005	*O-RING	1	



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	002411-880010	SV-BOX	1	
702	002411-830020	FRONT DAMPER	2	
703	002411-880020	SIDE DAMPER	2	
704	002411-880030	SPACER	1	
705	002411-830050	PROTECT SEAL	1	
706	002411-830060	DUST PROTECTOR(A)	1	
707	002411-830070	DUST PROTECTOR(B)	1	
708	002411-880040	BACK DAMPER(A)	2	
709	F22-83206	BACK DAMPER(B)	1	
710	002411-830100	BACK DAMPER(C)	1	
711	002411-830110	TOP DAMPER	1	
712	002411-880050	COVER(A)	1	
713	002407-880080	CUSHION	1	
714	002407-830140	PIN PLUG	2	
715	002402-830120	DUST PLUG	2	
716	002407-880090	DUST PLUG	2	
717	F22-88505	GROMMET	2	
718	902407-890010	HYDRAULIC ADJUSTER	2	
719	002411-830180	PLATE	1	
720	002411-880060	CAP	1	
721	141192-20000	WASHER	6	
722	145012-20000	SPRING WASHER	6	
723	101042-20045	BOLT	6	
724	140112-16000	WASHER	8	
725	101032-16045	BOLT	8	
726	F19-88231	FLAT BAR	1	TRANSPORT(WITHOUT TOP BRACKET)
727	101012-24060	BOLT	2	TRANSPORT(WITHOUT TOP BRACKET)
728	120112-24000	NUT	2	TRANSPORT(WITHOUT TOP BRACKET)

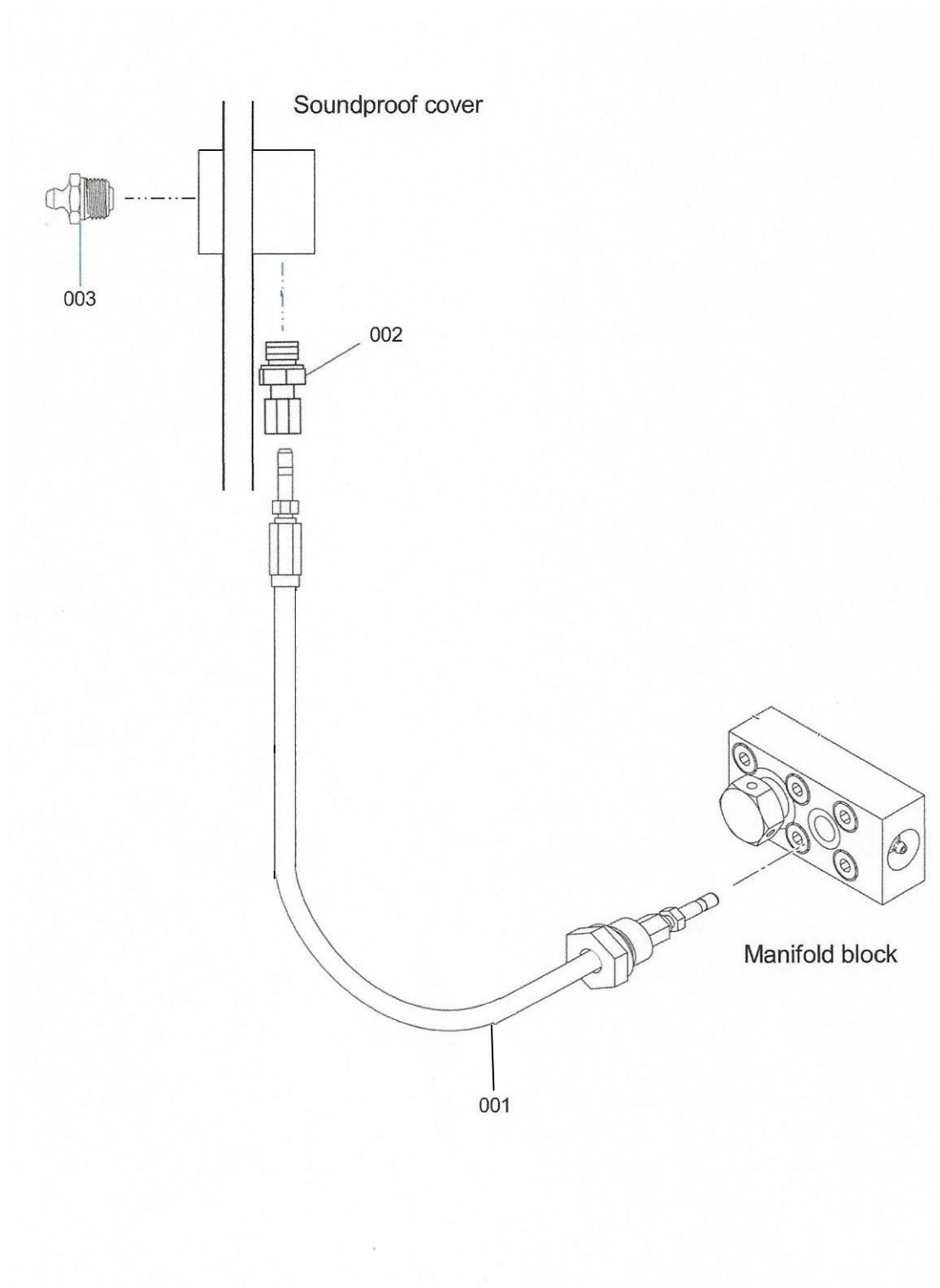


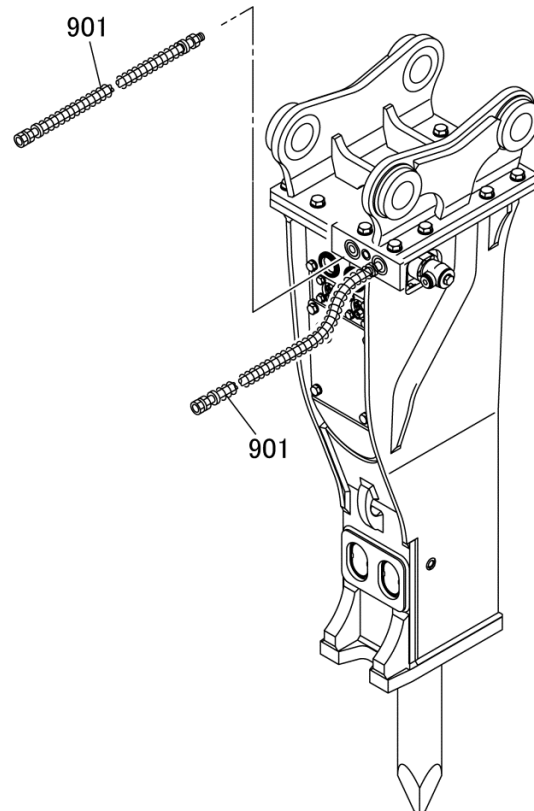
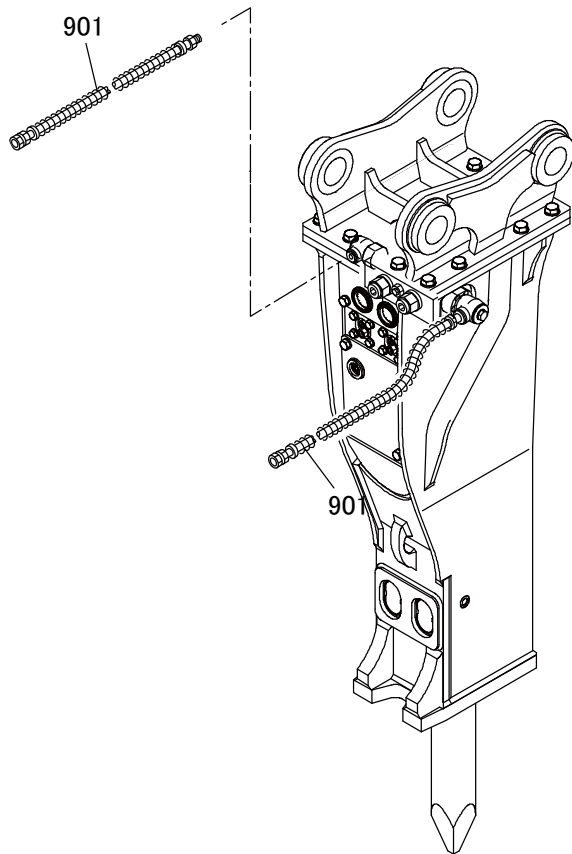
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	002411-880012	SV-BOX	1	
702	002411-830020	FRONT DAMPER	2	
703	002411-880020	SIDE DAMPER	2	
704	002411-880030	BOTTOM SPACER	1	
705	002411-830050	PROTECT SEAL	1	
706	002411-830060	DUST PROTECTOR	1	
707	002411-830070	DUST PROTECTOR	1	
708	002411-880040	BACK DAMPER (A)	2	
709	F22-83206	BACK DAMPER (B)	1	
710	002411-830100	BACK DAMPER (C)	1	
711	002411-830110	TOP DAMPER	1	
712	101032-20040V	BOLT	7	
713	HB3R-81104E	DISC WASHER	7	
714	002407-880080	CUSHION	1	
715	002407-830140	DUST PLUG	2	
716	002402-830120	DUST PLUG	2	
717	002407-880090	PIN PLUG	2	
718	F22-88505	GROMMET	2	
719	FXJ225-88502	SOUNDPROOF COVER	1	
720	122133-42000E	NUT	2	
721	F45-81114	DISC WASHER	2	
722	F22-83211E	DAMPER ADJUSTER	2	
723	FXJ225-83209	SPACER (A)	1	
724	FXJ225-83210	SPACER (B)	1	
725	F19-88231	FLAT BAR	1	TRANSPORT(WITHOUT TOP BRACKET)
726	101012-24060	BOLT	2	TRANSPORT(WITHOUT TOP BRACKET)
727	120112-24000	NUT	2	TRANSPORT(WITHOUT TOP BRACKET)
728	002411-880060	CAP	1	



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	002407-890061	*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	

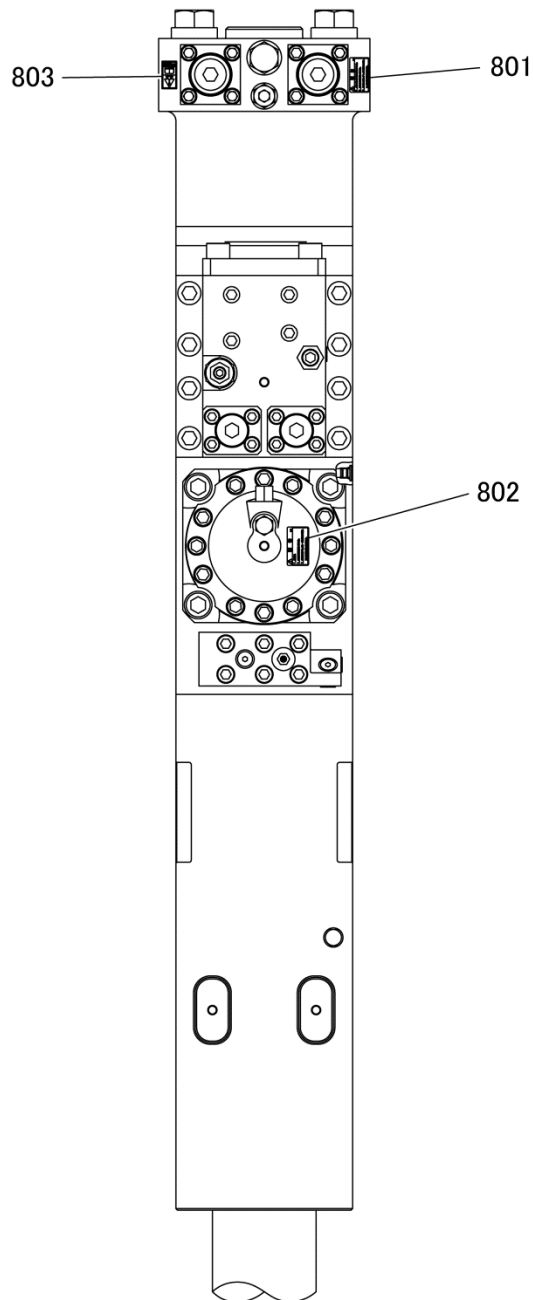
GREASE HOSE ASSEMBLY



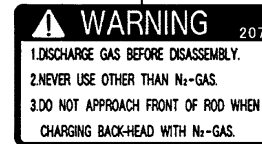


SV-BOX

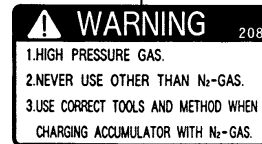
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
901	1064525	HYDRAULIC HOSE ASSEMBLY	2	(L - 2300mm)



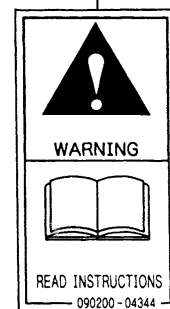
801



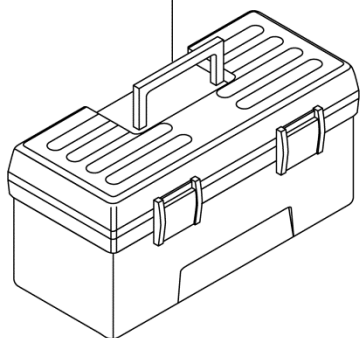
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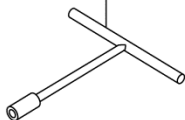
803



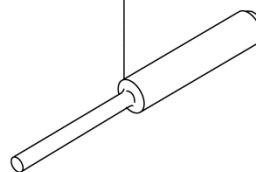
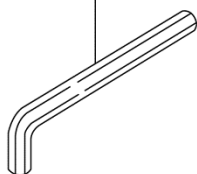
801



802



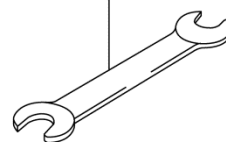
803

804 805 806 807
808 809 810

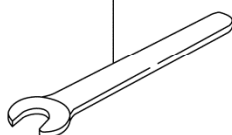
811



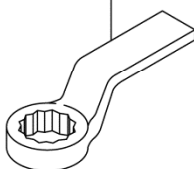
812 813



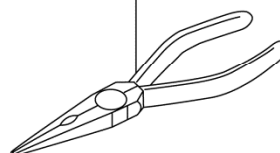
814 815



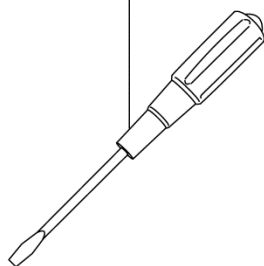
816



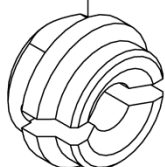
817



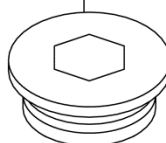
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820



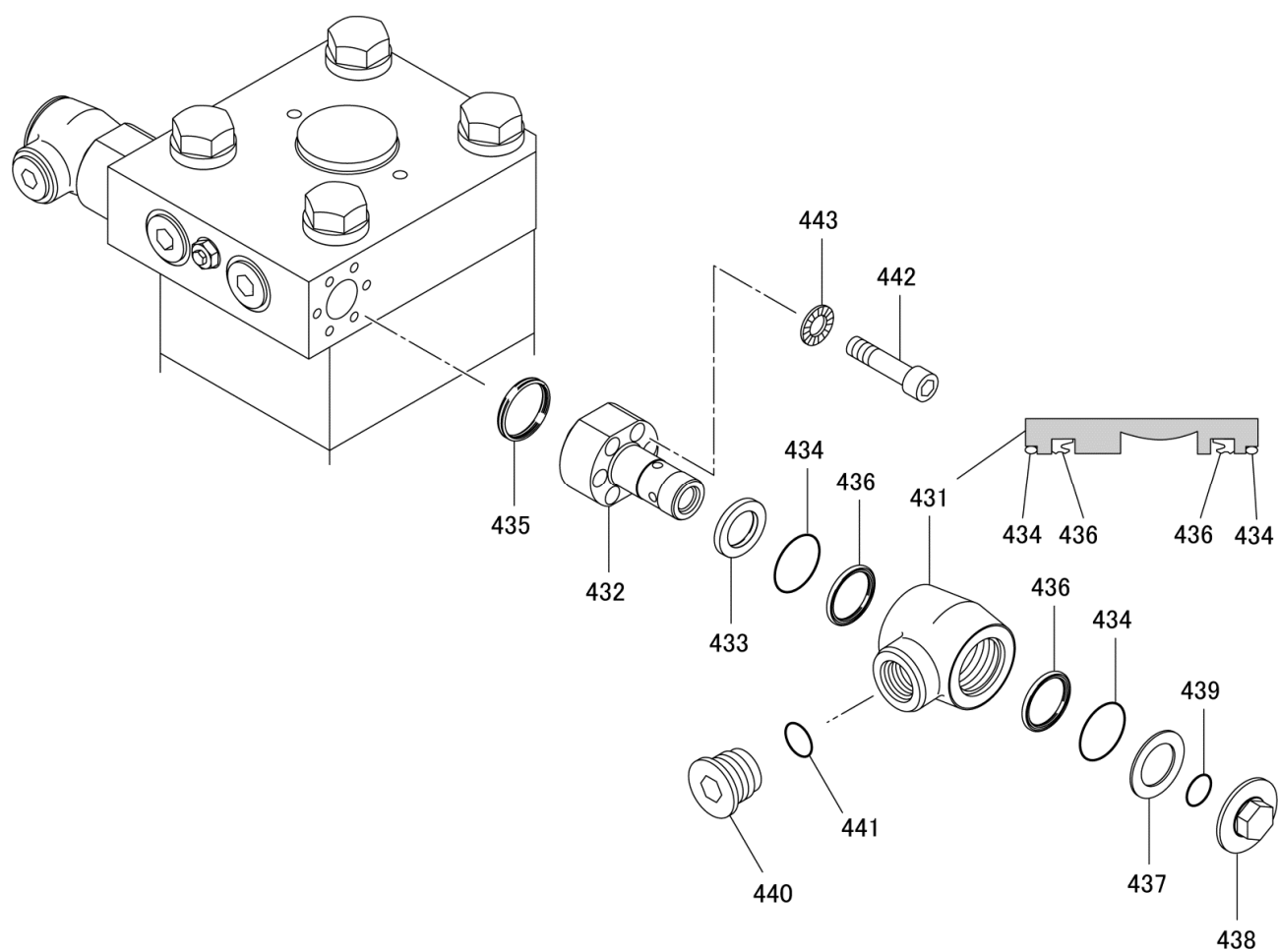
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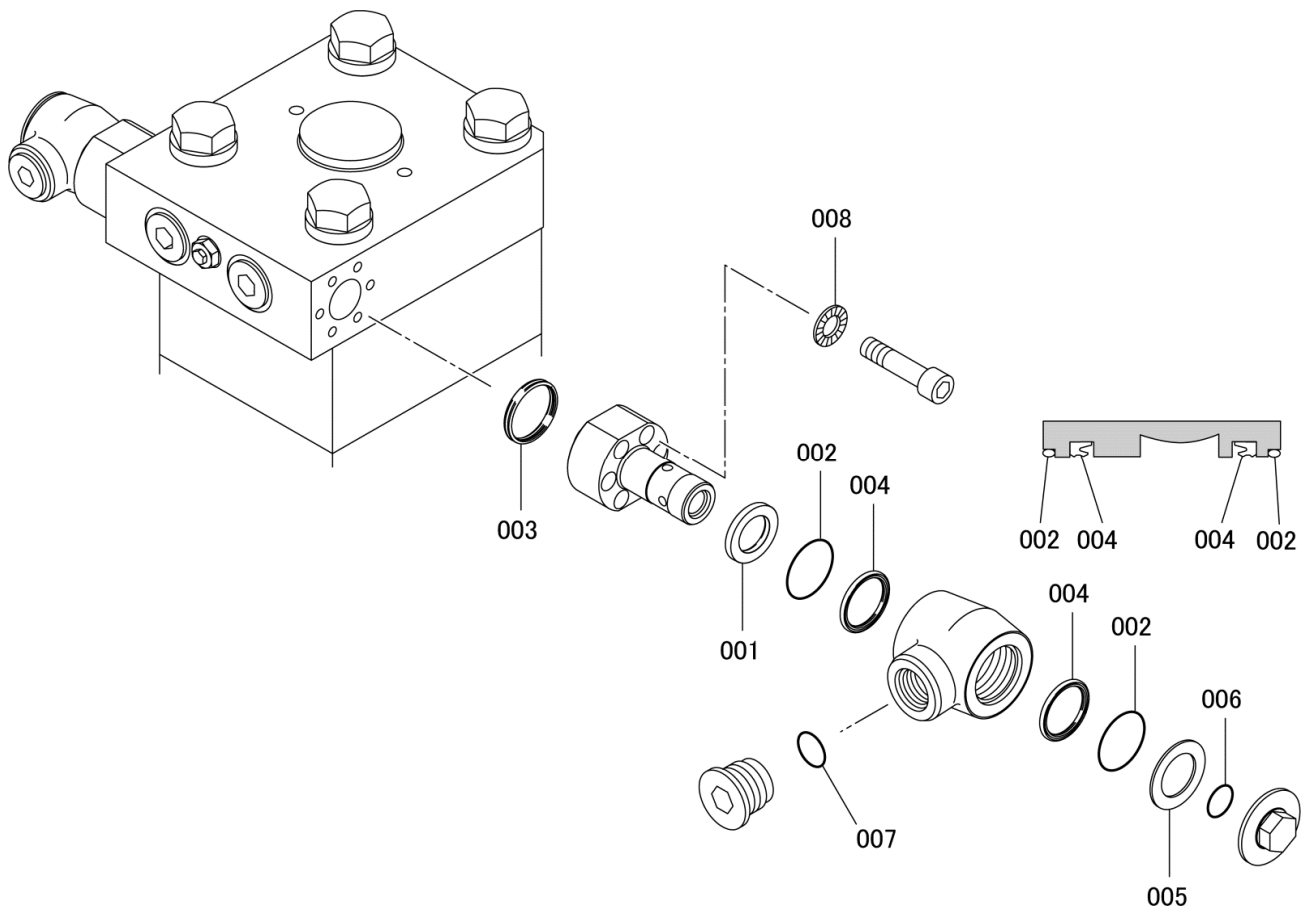
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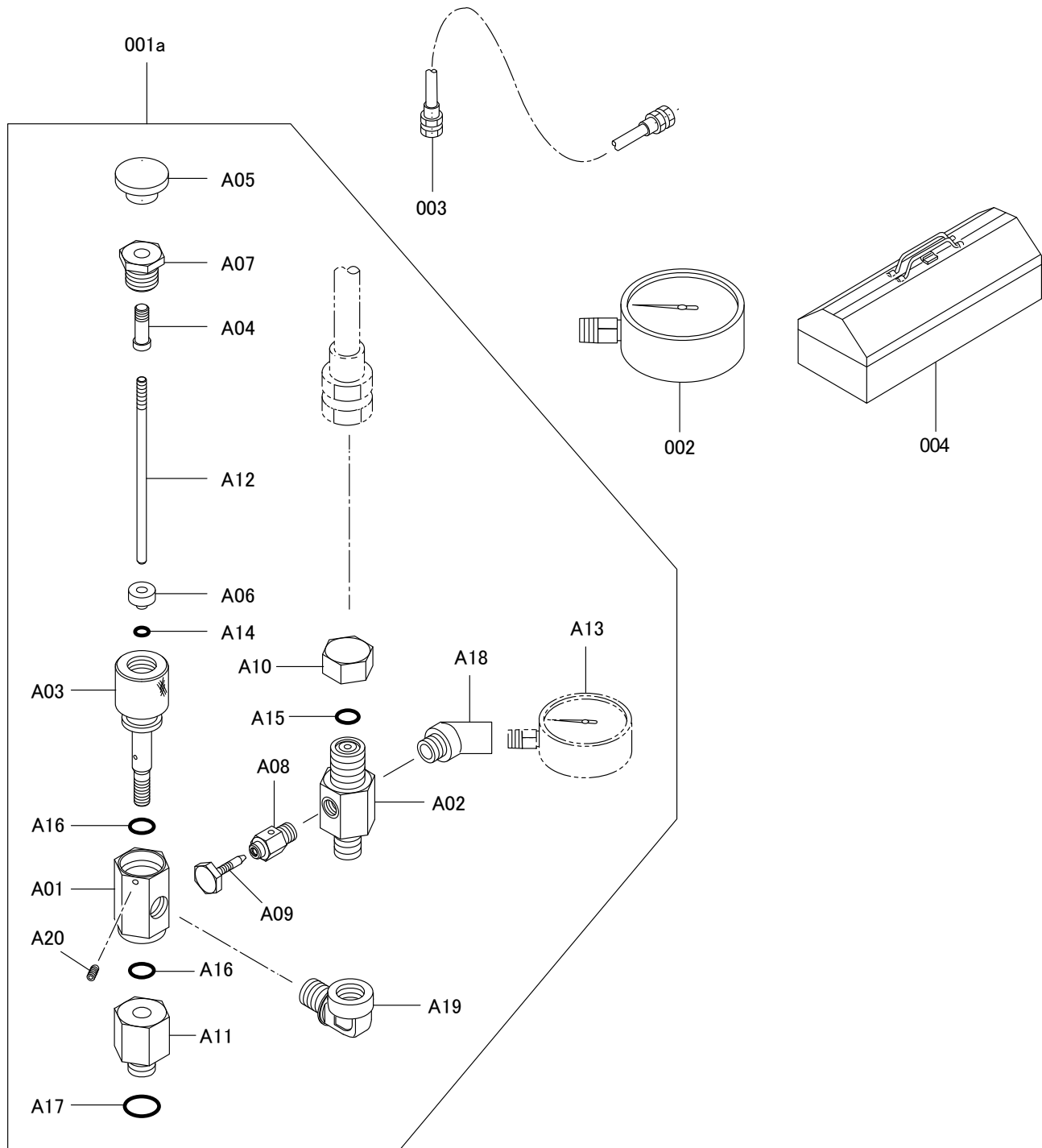
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
801	090012-91016	TOOL BOX	1	M12 X 50 10.9
802	090012-25009	14mm T-HANDLE WRENCH	1	
803	HB20G-90107	PRESS PIN	1	
804	090012-17006	5mm SOCKET WRENCH	1	
805	090012-17007	6mm SOCKET WRENCH	1	
806	090012-17008	8mm SOCKET WRENCH	1	
807	090012-17009	10mm SOCKET WRENCH	1	
808	090012-17028	12mm SOCKET WRENCH	1	
809	090012-17011	14mm SOCKET WRENCH	1	
810	090012-17012	17mm SOCKET WRENCH	1	
811	102032-12050	SOCKET BOLT	1	
812	090012-12027	22x24mm DOUBLE OPEN ENDED SPANNER	1	
813	090012-12033	27x30mm DOUBLE OPEN ENDED SPANNER	1	
814	090012-11023	36mm SINGLE OPEN ENDED SPANNER	2	
815	090012-11025	41mm SINGLE OPEN ENDED SPANNER	2	
816	HB15G-90101	50mm STRIKING FACE RING SPANNER	1	
817	090012-32001	150mm NEEDLE-NOSE PLIERS	1	
818	090012-41009	SLOTTED SCREWDRIVER	1	
820	002407-100110	A-PLUG	2	
821	084891-10000	GPF PLUG	2	
822	160011-00029	O-RING	2	



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902407-340010	SWIVEL ADAPTER		
431	002407-340010	*SWIVEL BODY	1	
432	002407-340020	*SWIVEL ADAPTER	1	
433	002407-340030	*SPACER	1	R4
434	160021-00045	*O-RING	2	R4
435	002407-340040	*DUAL SEAL	1	R4
436	F35-34406	*U-PACKING	2	R4
437	F35-34204	*SPACER	1	R4
438	F35-34203	*PLUG	1	
439	160011-00024	*O-RING	1	R4
440	084896-10000	*GPF PLUG	1	
441	160011-00029	*O-RING	1	R4
442	102033-12050	*SOCKET BOLT	6	
443	F35-34408	*DISC WASHER	6	R4



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902407-920080	SEAL KIT (D)		
001	002407-340030	*SPACER	2	
002	160021-00045	*O-RING	4	
003	002407-340040	*DUAL SEAL	2	
004	F35-34406	*U-PACKING	4	
005	F35-34204	*SPACER	2	
006	160011-00024	*O-RING	2	
007	160011-00029	*O-RING	2	
008	F35-34408	*DISC WASHER	12	



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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