

# ***PARTS LIST***

## ***Fx55***

### **HYDRAULIC BREAKER**

APPLICABLE SERIAL NUMBER 1001 AND UP



## **SUPPLY PERIOD OF SPARE PARTS**

Thank you for purchasing a Furukawa Rock Drill product.

Please note that the supply of spare parts 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 the 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, such as electronic parts, etc., be not available because the manufacturer does not produce them any more.

If you have any questions about any particular model subject to the warranty as stated above and the time limit of spare parts supply, please contact your nearest FRD Europe B.V. distributor.

# 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.

## BACK HEAD PRESSURE CHARGING KIT

### How to use the parts list

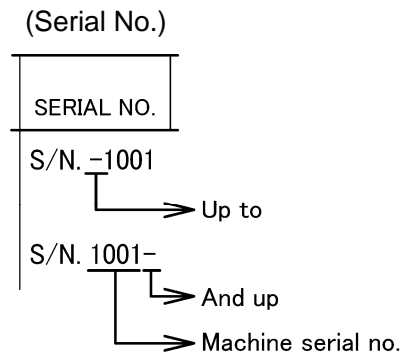
#### (1) Illustration

- ① Group Name ..... This is the same as the Group Name on the CONTENTS.
- ② Fig. No. .... This shows the illustration number and corresponds to Fig. No. of the parts breakdown.
- ③ Item ..... This corresponds to Item in the parts breakdown.
- ④ Group Name ..... This shows the group name in which the parts breakdown is covered in a 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 ..... This 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 ..... This 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 numerals to indicate the quantity of parts.  
( ) Parenthesis ..... This part does not include 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 Parts List at the end of the parts list.

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

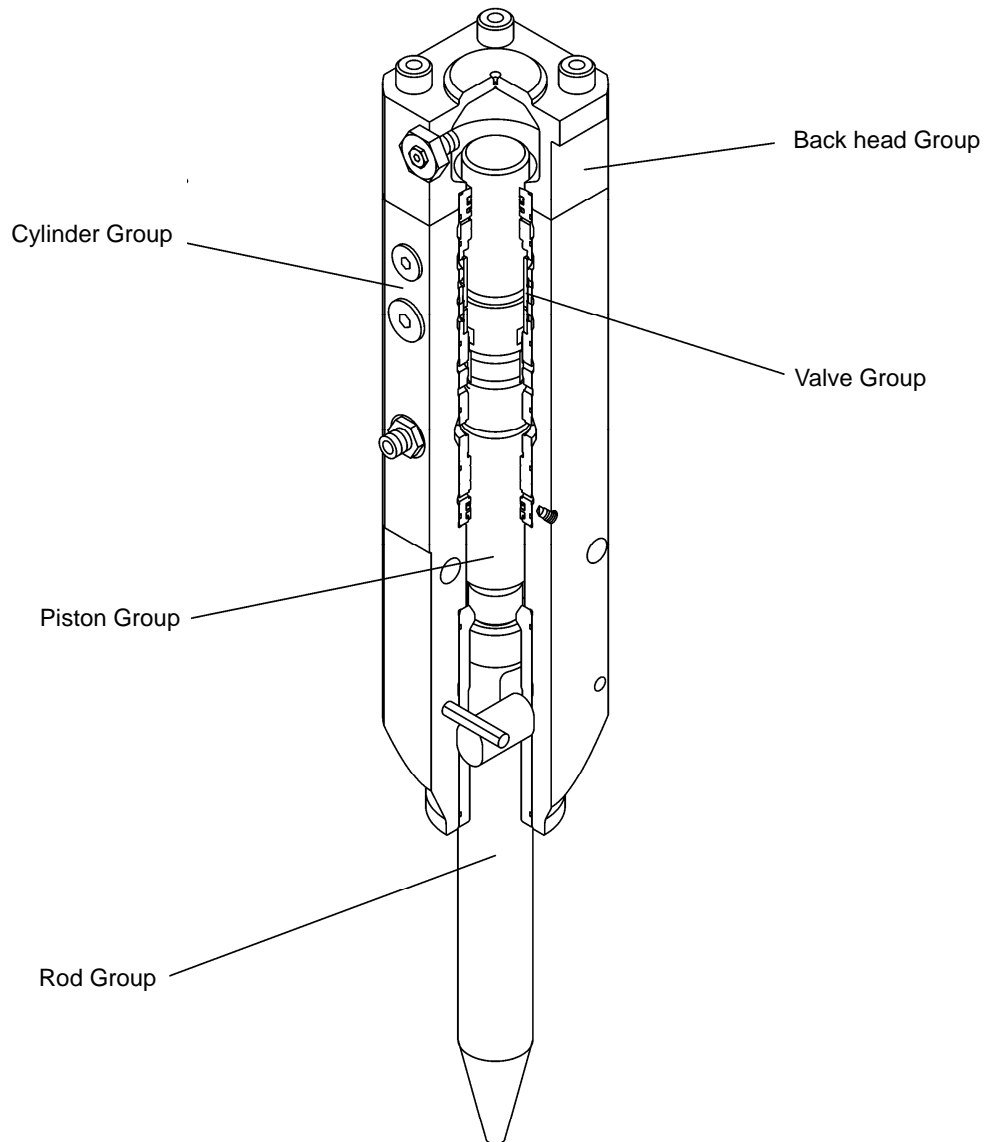
When an assembly including this part is supplied, the parts after this mark are supplied. When no parts are given after this mark, the components of this part are supplied.

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 number 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.

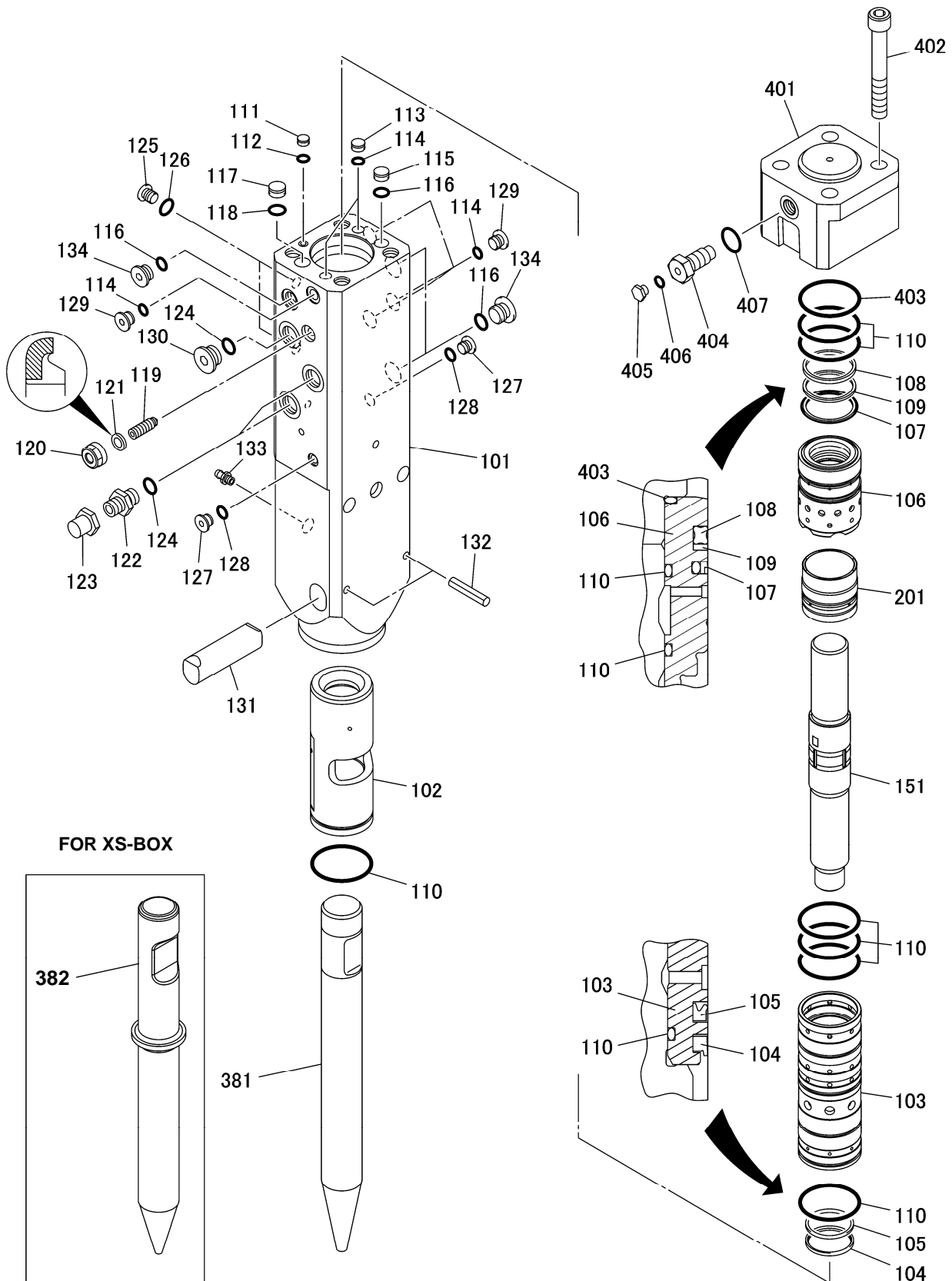
## BACK HEAD PRESSURE CHARGING KIT

### Name of Components or Component Group



## CONTENTS

FIG.NO.	GROUP NAME	PAGE
902309-000010	BREAKER BODY UNIT	01-01
902309-920010	SEAL KIT	02-01
902309-800010	BRACKET	03-01
902309-822010	FLAT TOP BRACKET	04-01
902309-880010	S-BOX	05-01
902309-880100	XS-BOX	06-01
	TOP BRACKET	07-01
	HYDRAULIC HOSE ASSEMBLY	08-01
	STICKERS	09-01
902309-900010	STANDARD TOOLS	10-01
	BACK HEAD PRESSURE CHARGING KIT	11-01



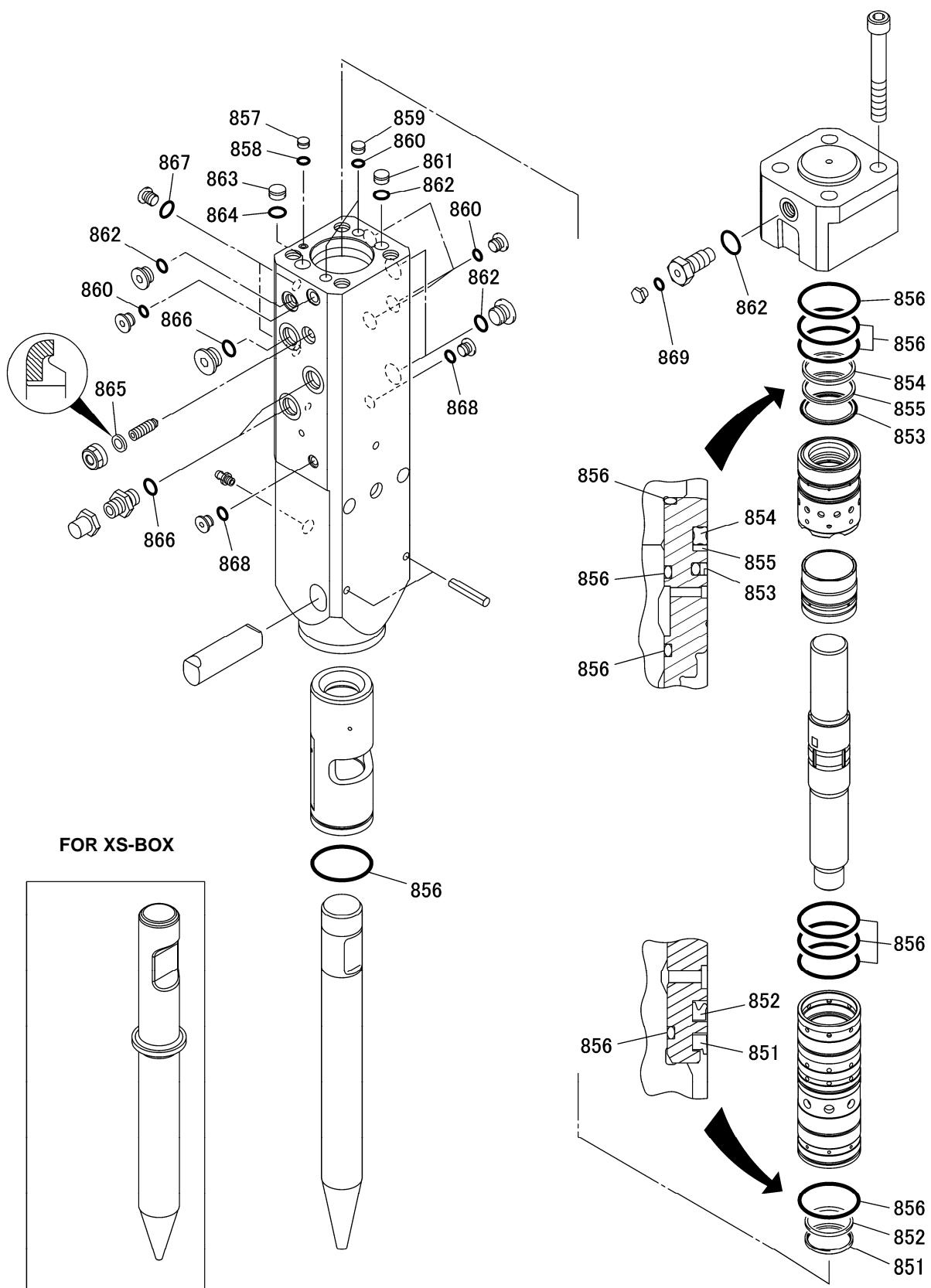


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
101	002309-100010	CYLINDER	1	
102	002309-100020	FRONT LINER	1	
103	002309-100030	CYLINDER LINER	1	
104	F5-10106	DUST SEAL	1	R1
105	F5-10107	U-PACKING	1	R1
106	002309-100040	SEAL RETAINER	1	D 002309-100041
106-1	002309-100041	SEAL RETAINER	1	
107	002304-100030	STEP SEAL	1	R1
108	002304-100041	QUAD RING	1	R1
109	002304-100050	BACK-UP RING	1	R1
110	161021-00090	O-RING	7	R1
111	HB2R-10120	PLUG	1	R1
112	160011-10010	O-RING	1	R1
113	HB5G-10120	PLUG	2	R1
114	160011-00014	O-RING	6	R1
115	002301-100060	PLUG	1	R1
116	160011-00018	O-RING	4	R1
117	F4-10220	PLUG	1	R1
118	160011-00020	O-RING	1	R1
119	F4-10231	ADJUSTER	1	
120	F4-10233	SEAL NUT	1	
121	HB5G-10532	SEAL WASHER	1	R1
122	084861-06004	MALE CONNECTOR	2	
123	084898-04000	UNION CAP	2	
124	160011-00024	O-RING	3	R1
125	084891-01000	GPF PLUG	2	
126	160011-00008	O-RING	2	R1
127	084891-02000	GPF PLUG	2	
128	160011-00011	O-RING	2	R1
129	084891-03000	GPF PLUG	4	
130	084891-06000	GPF PLUG	1	
131	002309-100050	ROD PIN	1	
132	154037-12065	SPRING PIN	2	
133	170312-00000	GREASE NIPPLE	1	
134	084891-04000	GPF PLUG	3	
151	002309-110010	PISTON	1	
201	002309-130010	VALVE	1	

### BACK HEAD PRESSURE CHARGING KIT

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
381	F5-25111	FLAT ROD	1	ALTERNATIVE
381	F5-25113	MOIL POINT	1	ALTERNATIVE
381	F5-25114	WEDGE ROD	1	ALTERNATIVE
381	F5-25115	CONE ROD	1	ALTERNATIVE
381	F5-25116	BALL POINT ROD	1	ALTERNATIVE
382	002309-250050	FLAT ROD, XS	1	ALTERNATIVE, XS-BOX
382	002309-250060	CONE ROD, XS	1	ALTERNATIVE, XS-BOX
382	002309-250070	BALL POINT ROD, XS	1	ALTERNATIVE, XS-BOX
401	002309-300010	BACK HEAD	1	R1
402	102032-24180	SOCKET BOLT	4	
403	161021-00090	O-RING	1	
404	HB15G-30103	CHARGING VALVE	1	R1
405	HB20G-30109	PLUG	1	
406	160011-00006	O-RING	1	
407	160011-00018	O-RING	1	R1

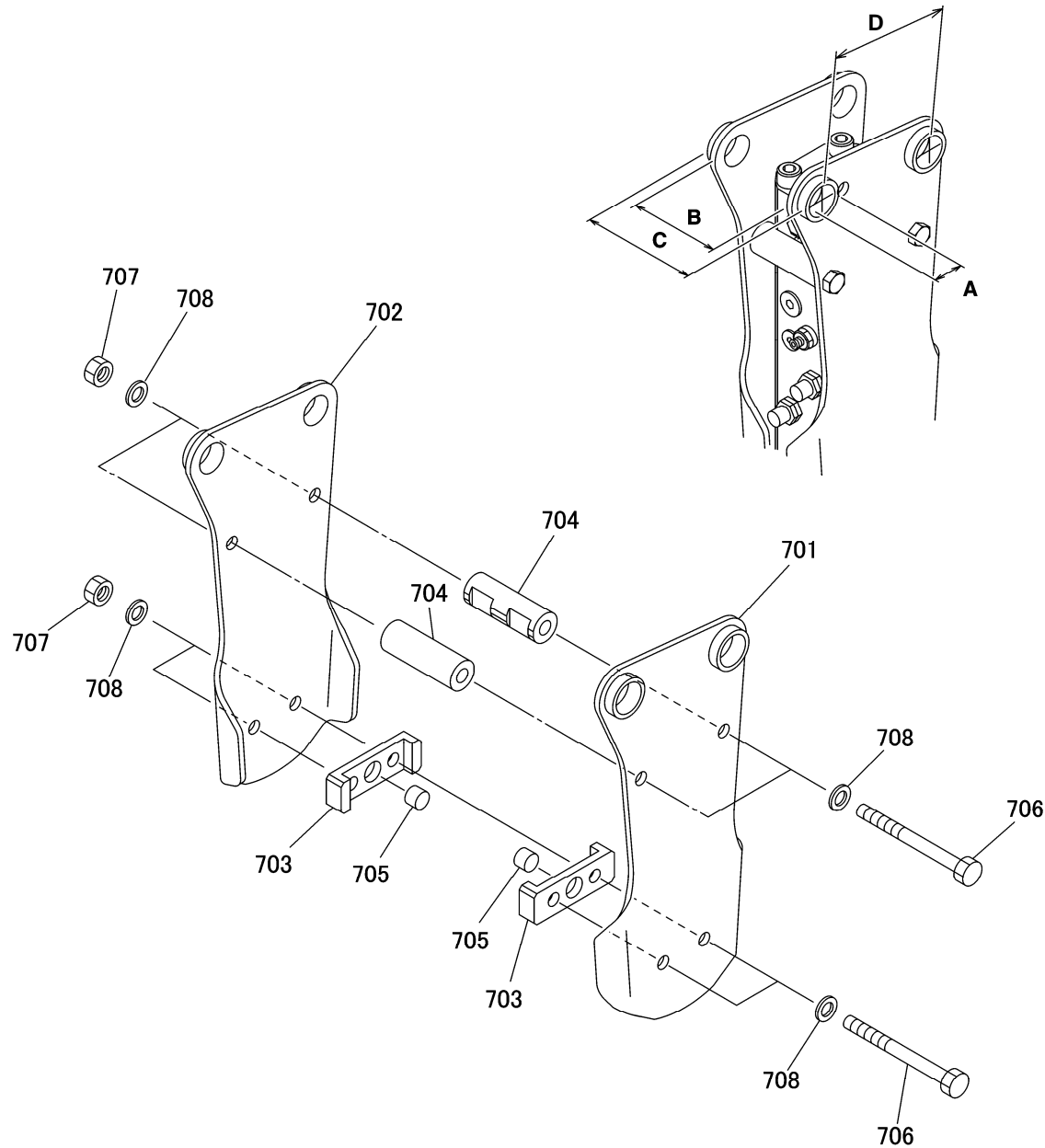
## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902309-920010	SEAL KIT		
851	F5-10106	*DUST SEAL	1	
852	F5-10107	*U-PACKING	1	
853	002304-100030	*STEP SEAL	1	
854	002304-100041	*QUAD RING	1	
855	002304-100050	*BACK-UP RING	1	
856	161021-00090	*O-RING	8	
857	HB2R-10120	*PLUG	1	
858	160011-10010	*O-RING	1	
859	HB5G-10120	*PLUG	2	
860	160011-00014	*O-RING	6	
861	002301-100060	*PLUG	1	
862	160011-00018	*O-RING	5	
863	F4-10220	*PLUG	1	
864	160011-00020	*O-RING	1	
865	HB1G-10532	*SEAL WASHER	1	
866	160011-00024	*O-RING	3	
867	160011-00008	*O-RING	2	
868	160011-00011	*O-RING	2	
869	160011-00006	*O-RING	1	

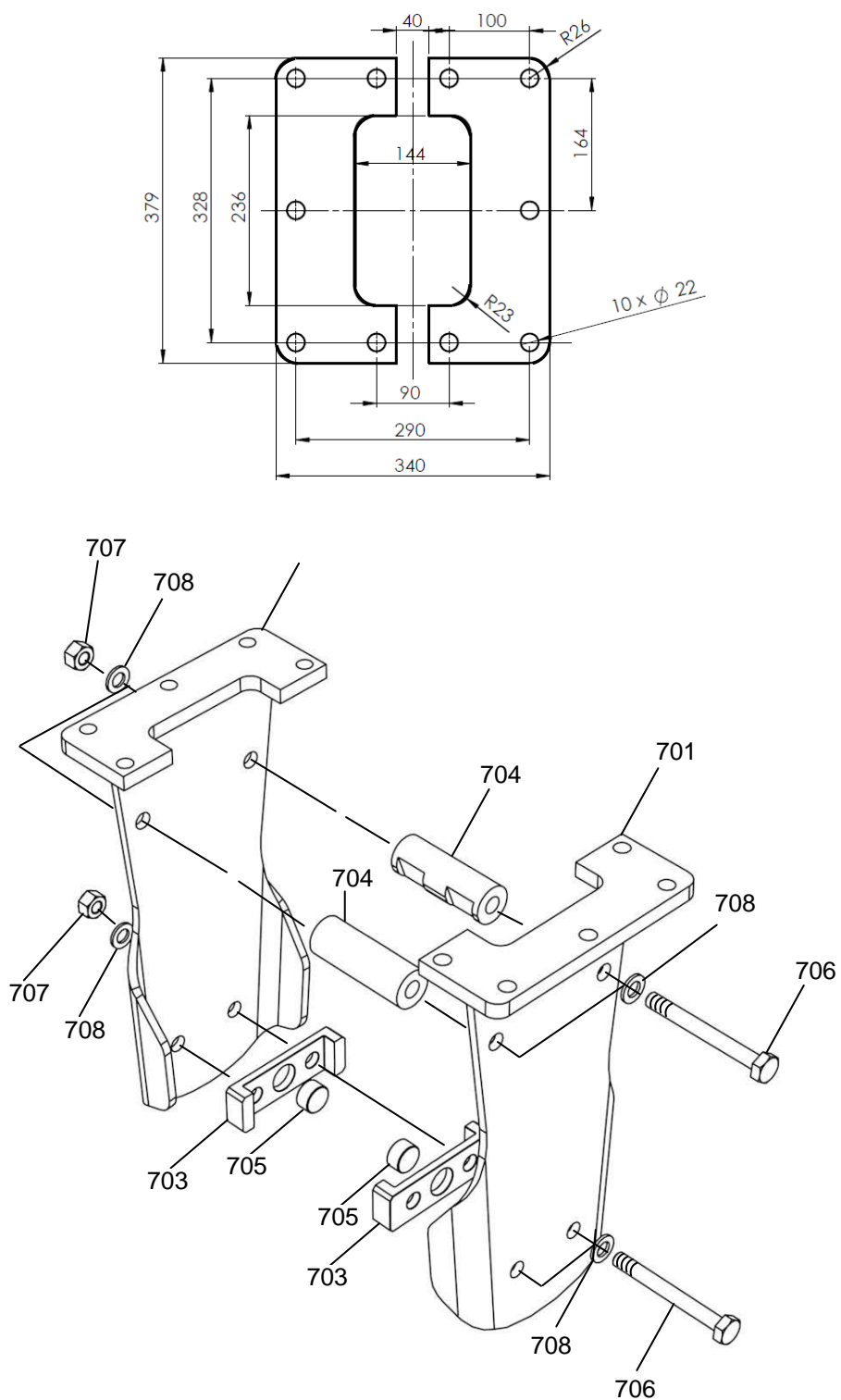
Dimension	A	B	C	D
Part No.				
902309-800010	φ 60 mm	175 mm	235 mm	281 mm

D: Distance between pins



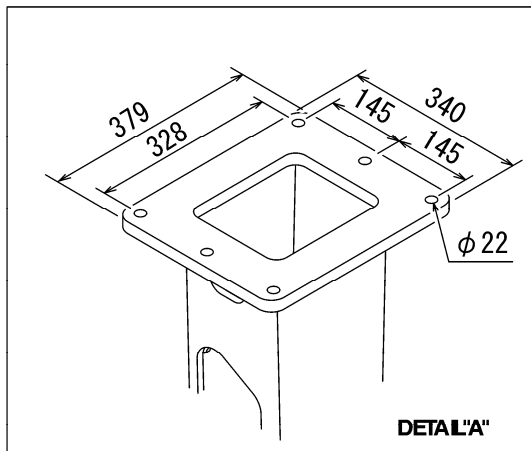
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902309-800010	BRACKET ASSEMBLY		
701	002309-800010	*BRACKET (R)	1	
702	002309-800020	*BRACKET (L)	1	
703	002309-810020	*SET PLATE	2	
704	002309-810030	*DISTANCE PIPE	2	
705	002308-810081	*SET PIN	2	
706	101032-24235	*BOLT	4	
707	120132-24000	*NUT	4	
708	F5-81114E	*NORD-LOCK WASHER	8	

Top bracket mounting dimensions:

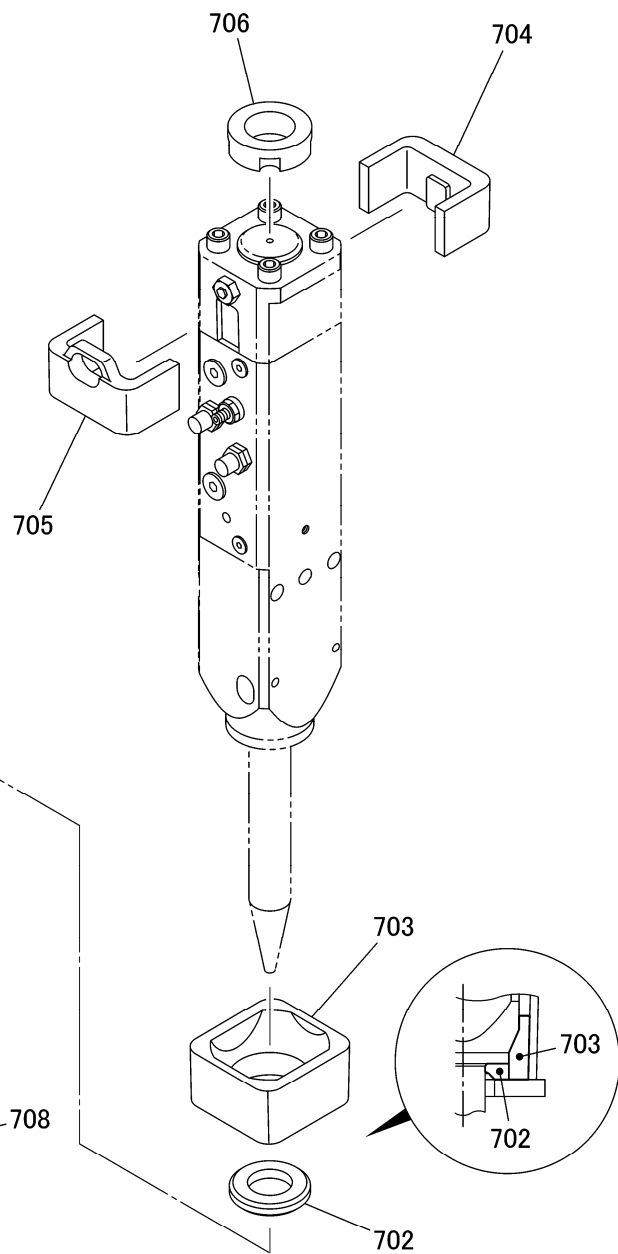
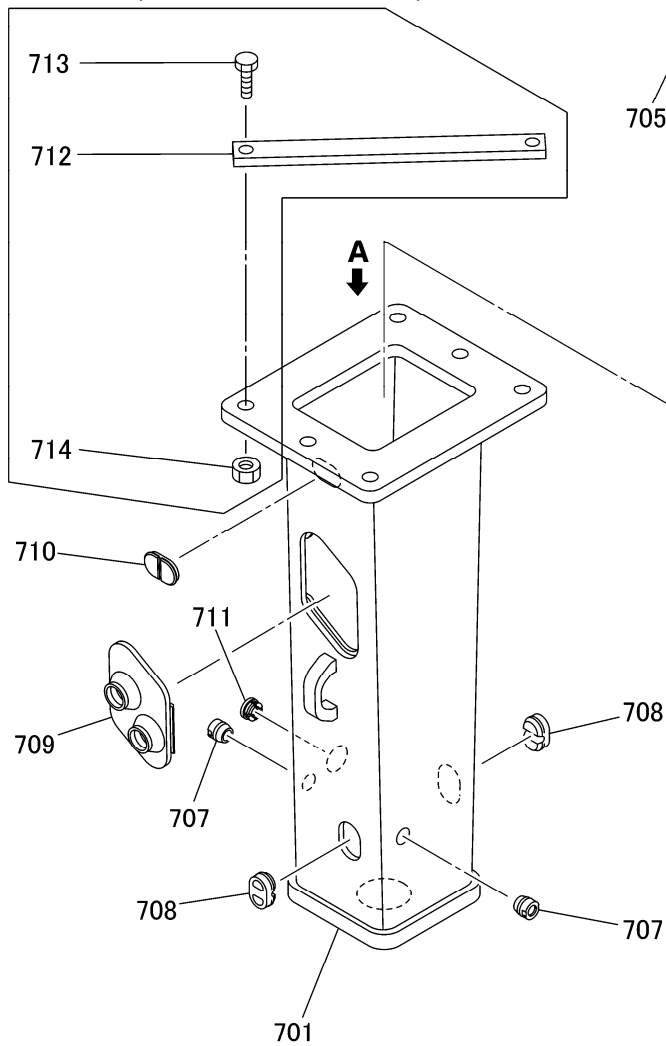




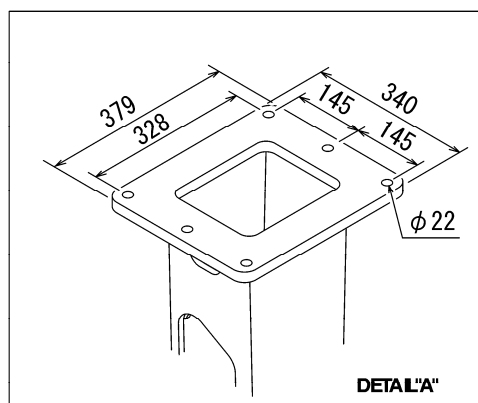
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902309-822010	BRACKET ASSEMBLY		
701	002309-822010	*BRACKET (R)	1	
702	002309-822020	*BRACKET (L)	1	
703	002309-810020	*SET PLATE	2	
704	002309-810030	*DISTANCE PIPE	2	
705	002308-810081	*SET PIN	2	
706	101032-24235	*BOLT	4	
707	120132-24000	*NUT	4	
708	F5-81114E	*NORD-LOCK WASHER	8	



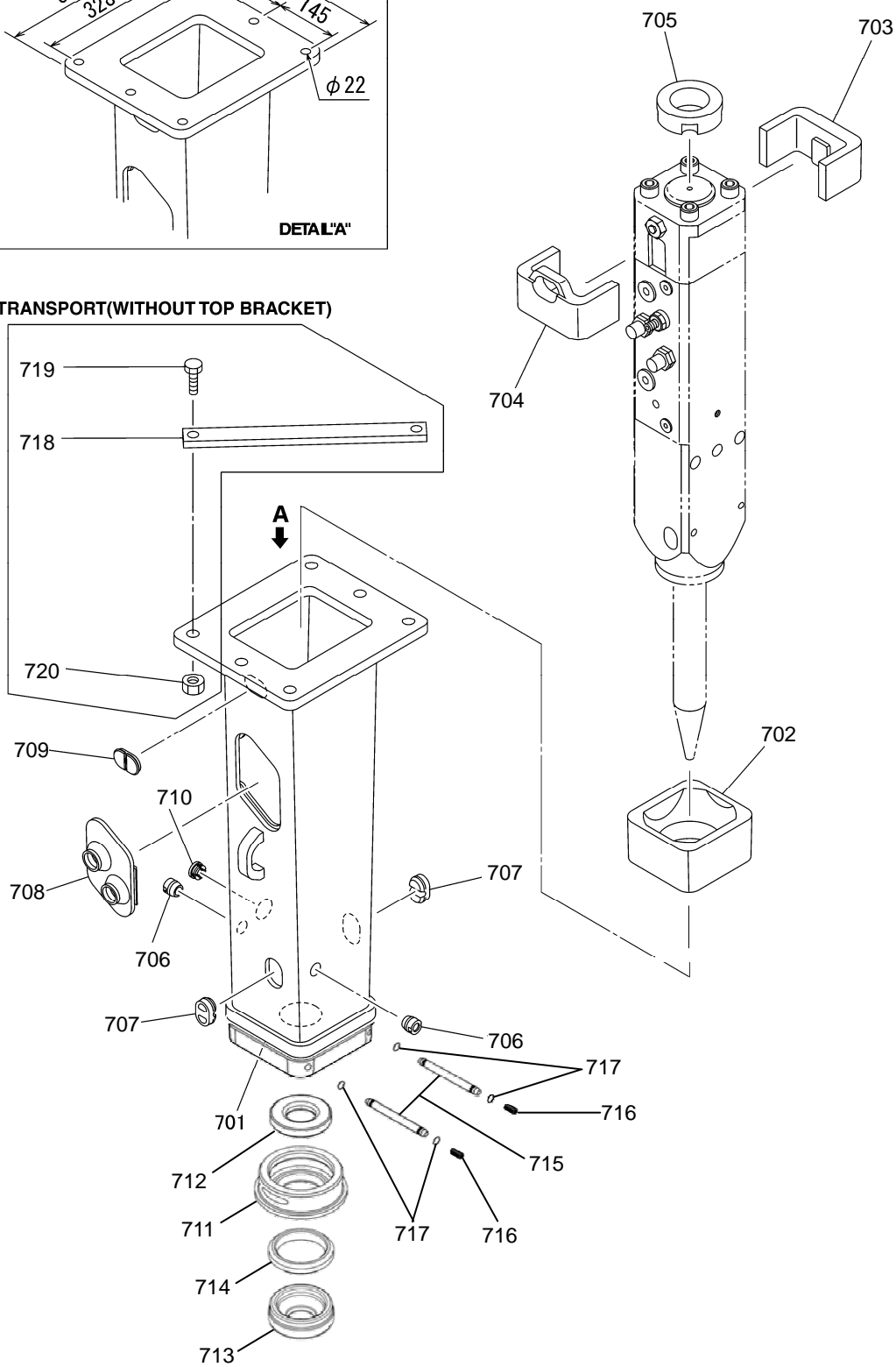
## TRANSPORT(WITHOUT TOP BRACKET)



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902309-880010	S-BOX ASSEMBLY		
701	002309-880010	*S-BOX	1	
702	002309-880020	*BOTTOM DAMPER	1	
703	002309-880030	*FRONT DAMPER	1	
704	002309-880040	*BACK DAMPER(A)	1	
705	002309-880050	*BACK DAMPER(B)	1	
706	002309-880060	*TOP DAMPER	1	
707	002309-880070	*DUST PLUG	2	
708	002308-880080	*PIN PLUG	2	
709	002309-880080	*SOUNDPROOF COVER	1	
710	002308-880100	*DUST PLUG	1	
711	002200-830160	*GREASE CAP	1	
712	002309-880090	*FLAT BAR	1	TRANSPORT (WITHOUT TOP BRACKET)
713	101012-20050	*BOLT	2	TRANSPORT (WITHOUT TOP BRACKET)
714	120112-20000	*NUT	2	TRANSPORT (WITHOUT TOP BRACKET)



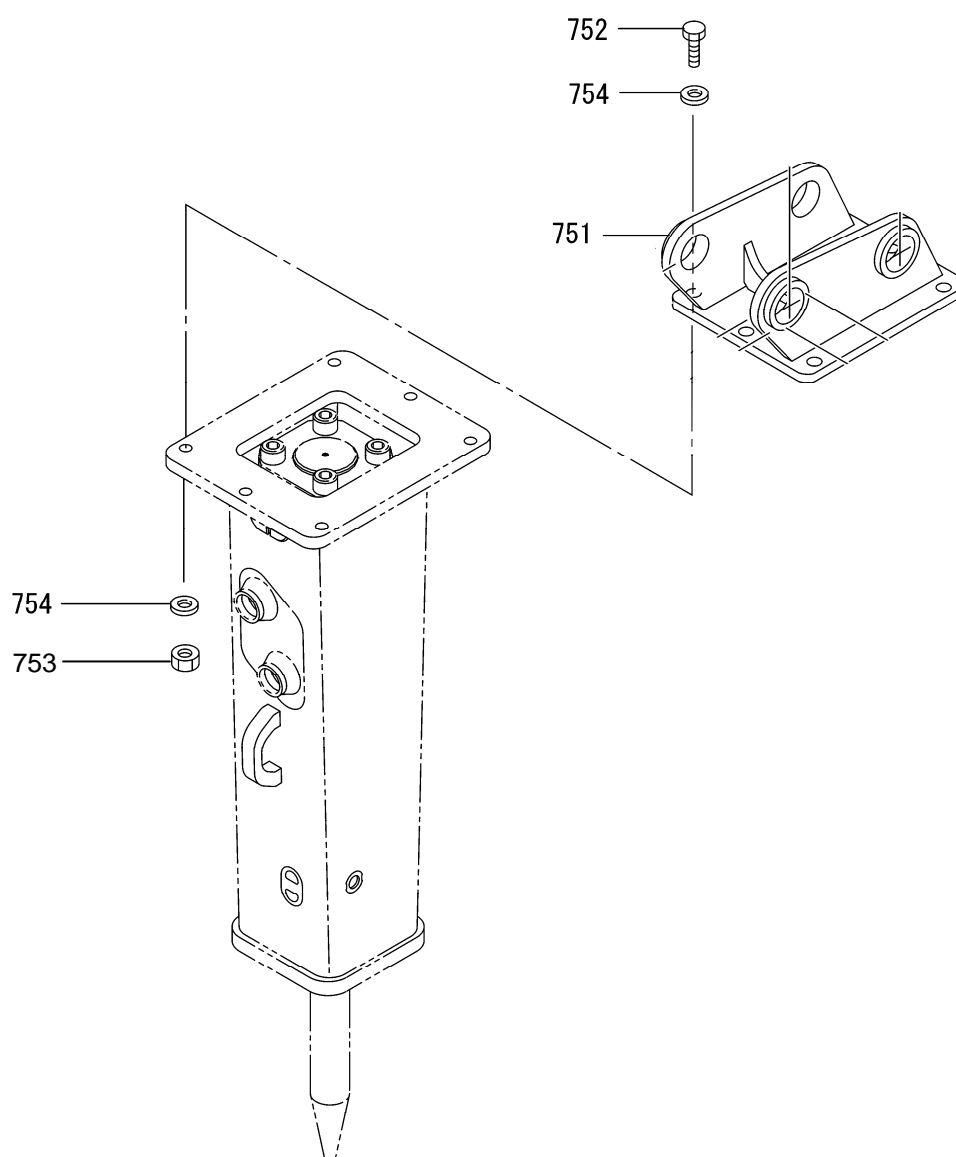
## TRANSPORT(WITHOUT TOP BRACKET)



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	902309-880100	XS-BOX ASSEMBLY		
701	002309-880100	*XS-BOX	1	
702	002309-880030	*FRONT DAMPER	1	
703	002309-880040	*BACK DAMPER(A)	1	
704	002309-880050	*BACK DAMPER(B)	1	
705	002309-880060	*TOP DAMPER	1	
706	002309-880070	*DUST PLUG	2	
707	002308-880080	*PIN PLUG	2	
708	002309-880080	*SOUNDPROOF COVER	1	
709	002308-880100	*DUST PLUG	1	
710	002200-830160	*GREASE CAP	1	
711	002309-830060	*CAP	1	
712	002309-830070-A	*RING, XS	1	
713	002309-830080	*PROTECT SEAL	1	
714	002309-830090	*SUPPORT RING	1	
715	002309-830101	*STOP PIN	2	
716	154037-14030	*SPRING PIN	2	
717	160011-10010	*O-RING	4	
718	002309-880090	*FLAT BAR	1	TRANSPORT (WITHOUT TOP BRACKET)
719	101012-20050	*BOLT	2	TRANSPORT (WITHOUT TOP BRACKET)
720	120112-20000	*NUT	2	TRANSPORT (WITHOUT TOP BRACKET)

## TOP BRACKET

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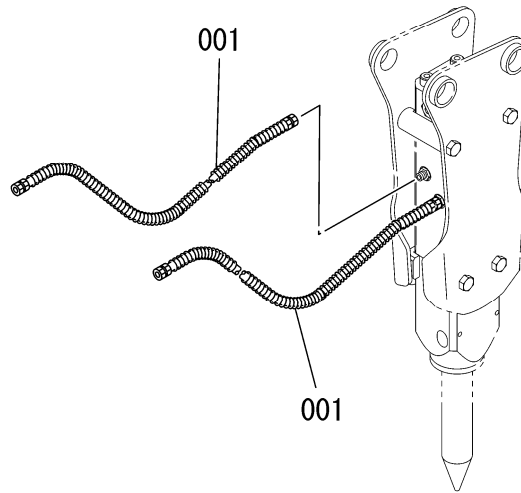


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
751	101032-20080 120132-20000 140112-20000	TOP BRACKET	1	FLAT TOP BRACKET
752		BOLT	10	
753		NUT	10	
754		WASHER	10	
751	101032-20080 120132-20000 140112-20000	TOP BRACKET	1	S-BOX AND XS-BOX
752		BOLT	6	
753		NUT	6	
754		WASHER	6	

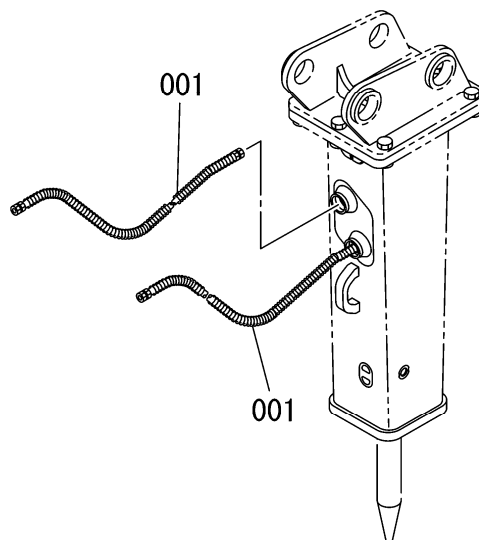
## HYDRAULIC HOSE ASSEMBLY

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### BRACKET AND FLAT TOP BRACKET



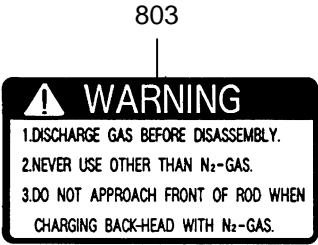
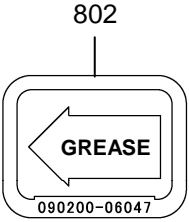
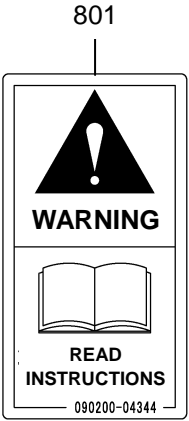
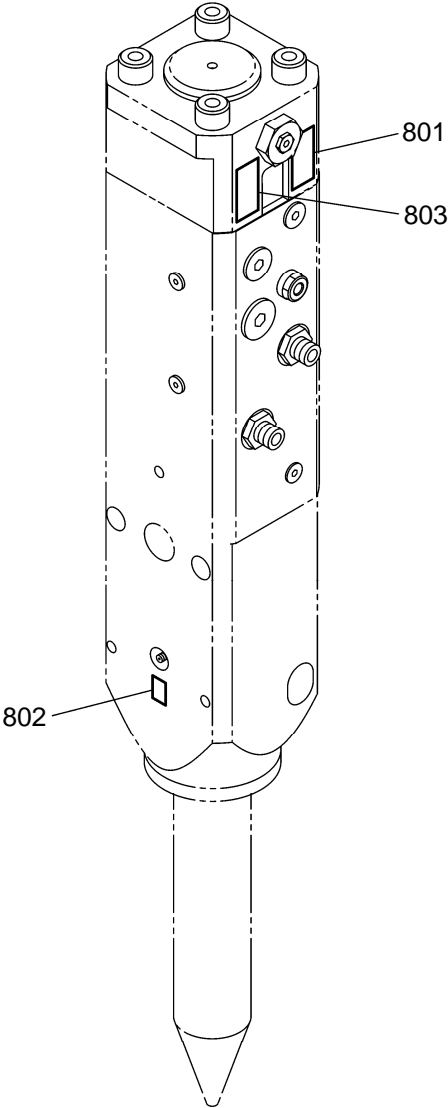
### S-BOX AND XS-BOX



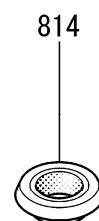
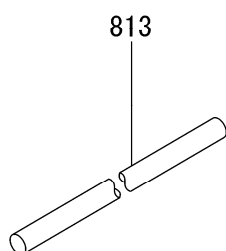
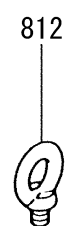
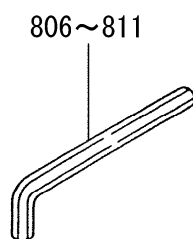
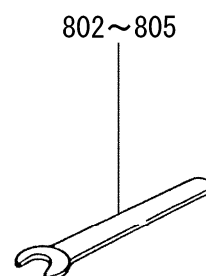
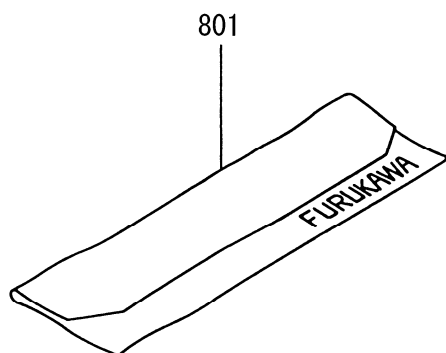


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
001	1003757F	OIL HOSE ASSEMBLY OIL HOSE	2	FOR BRACKET, FLAT TOP BRACKET, S-BOX AND XS-BOX

STICKERS



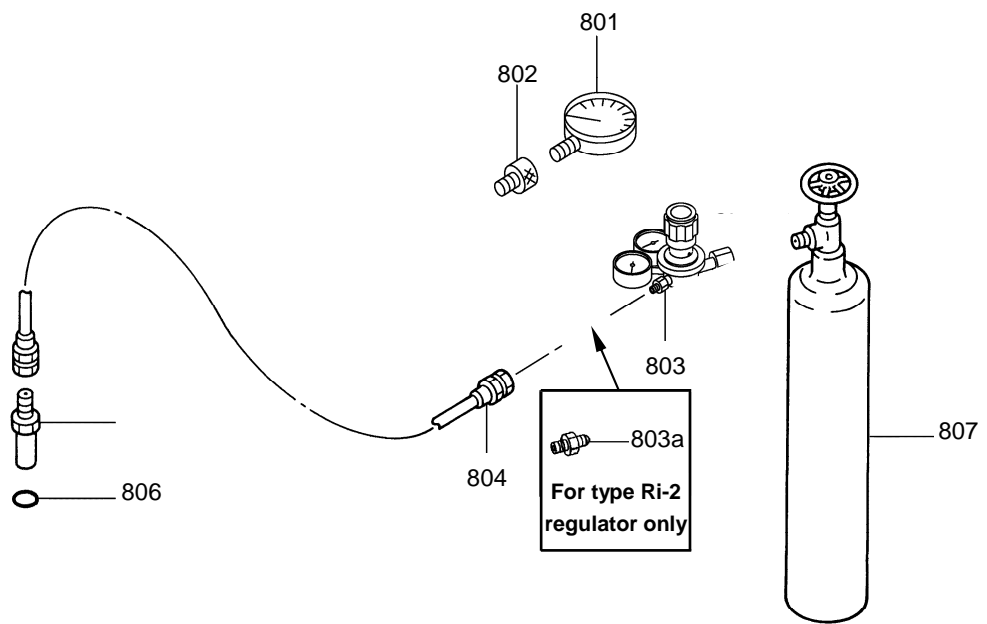
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
801	090200-04344	WARNING STICKER	1	ENGLISH
802	090200-06047	CAUTION STICKER	1	ENGLISH
803	090200-04209	WARNING STICKER	1	ENGLISH
				FOR STICKERS IN OTHER LANGUAGES PLEASE ASK YOUR NEAREST FRD DISTRIBUTOR



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
801	090012-91014	TOOL CASE	1	D 002308-900010
802	090012-11010	14mm SPANNER	1	
803	090012-11014	22mm SPANNER	1	
804	090012-11018	27mm SPANNER	1	
805	090012-11023	36mm SPANNER	2	
806	090012-17006	5mm HEXAGON BAR WRENCH	1	
807	090012-17007	6mm HEXAGON BAR WRENCH	1	
808	090012-17008	8mm HEXAGON BAR WRENCH	1	
809	090012-17009	10mm HEXAGON BAR WRENCH	1	
810	090012-17010	12mm HEXAGON BAR WRENCH	1	
811	090012-17013	19mm HEXAGON BAR WRENCH	1	
812	117012-12000	EYE BOLT	2	
813	002303-900010	PRESS PIN	1	
813-1	002308-900010	PRESS PIN	1	
814	HB1G-10532	SEAL WASHER	1	

## BACK HEAD PRESSURE CHARGING KIT

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ITEM	PART NO.	PART NAME	Q'TY	REMARKS
801	HB20G-920131 H-11016	BACK HEAD CHARGING KIT *PRESSURE GAUGE	1	FOR: AUSTRIA, BULGARIA, CZECH REP., DENMARK, FINLAND, GERMANY, ICELAND, NETHERLANDS, NORWAY, POLAND, RUSSIA (MOSCOW), SERBIA, SLOVAKIA, SWEDEN, SWITZERLAND.
802	HB20G-921072	*ADAPTER	1	
803	046012	*REGULATOR (Ru-3)	1	
804	1001766	*CHARGING HOSE	1	
805	HB20G-921071	*CHARGING ADAPTER	1	
806	161011-00006	*O-RING	1	
807	-	NITROGEN GAS CYLINDER	1	
801	HB20G-920132 H-11016	BACK HEAD CHARGING KIT *PRESSURE GAUGE	1	FOR: FRANCE, PORTUGAL, ROMANIA, SPAIN.
802	HB20G-921072	*ADAPTER	1	
803	046016	*REGULATOR (B-4)	1	
804	1001766	*CHARGING HOSE	1	
805	HB20G-921071	*CHARGING ADAPTER	1	
806	161011-00006	*O-RING	1	
807	-	NITROGEN GAS CYLINDER	1	
801	HB20G-920133 H-11016	BACK HEAD CHARGING KIT *PRESSURE GAUGE	1	FOR: GREAT BRITAIN, IRELAND MALTA, SOUTH AFRICA.
802	HB20G-921072	*ADAPTER	1	
803	046017	*REGULATOR (Ri-2)	1	
803a	2243-04-06	*CONNECTOR	1	
804	1001766	*CHARGING HOSE	1	
805	HB20G-921071	*CHARGING ADAPTER	1	
806	161011-00006	*O-RING	1	
807	-	NITROGEN GAS CYLINDER	1	
801	HB20G-920134 H-11016	BACK HEAD CHARGING KIT *PRESSURE GAUGE	1	FOR: BELGIUM, CYPRUS, ESTONIA, GREECE, HUNGARY, ISRAEL, ITALY, LATVIA, LITHUANIA, RUSSIA (GENERAL) UKRAINE.
802	HB20G-921072	*ADAPTER	1	
803	046018	*REGULATOR (Ru-1)	1	
804	1001766	*CHARGING HOSE	1	
805	HB20G-921071	*CHARGING ADAPTER	1	
806	161011-00006	*O-RING	1	
807	-	NITROGEN GAS CYLINDER	1	



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**Book No. : Fx55-202E**

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