

PARTS LIST

Fx55-2

HYDRAULIC BREAKER

APPLICABLE SERIAL NUMBER 6001 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.

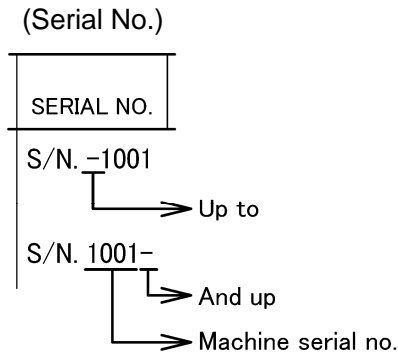
How to use the parts list

(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.

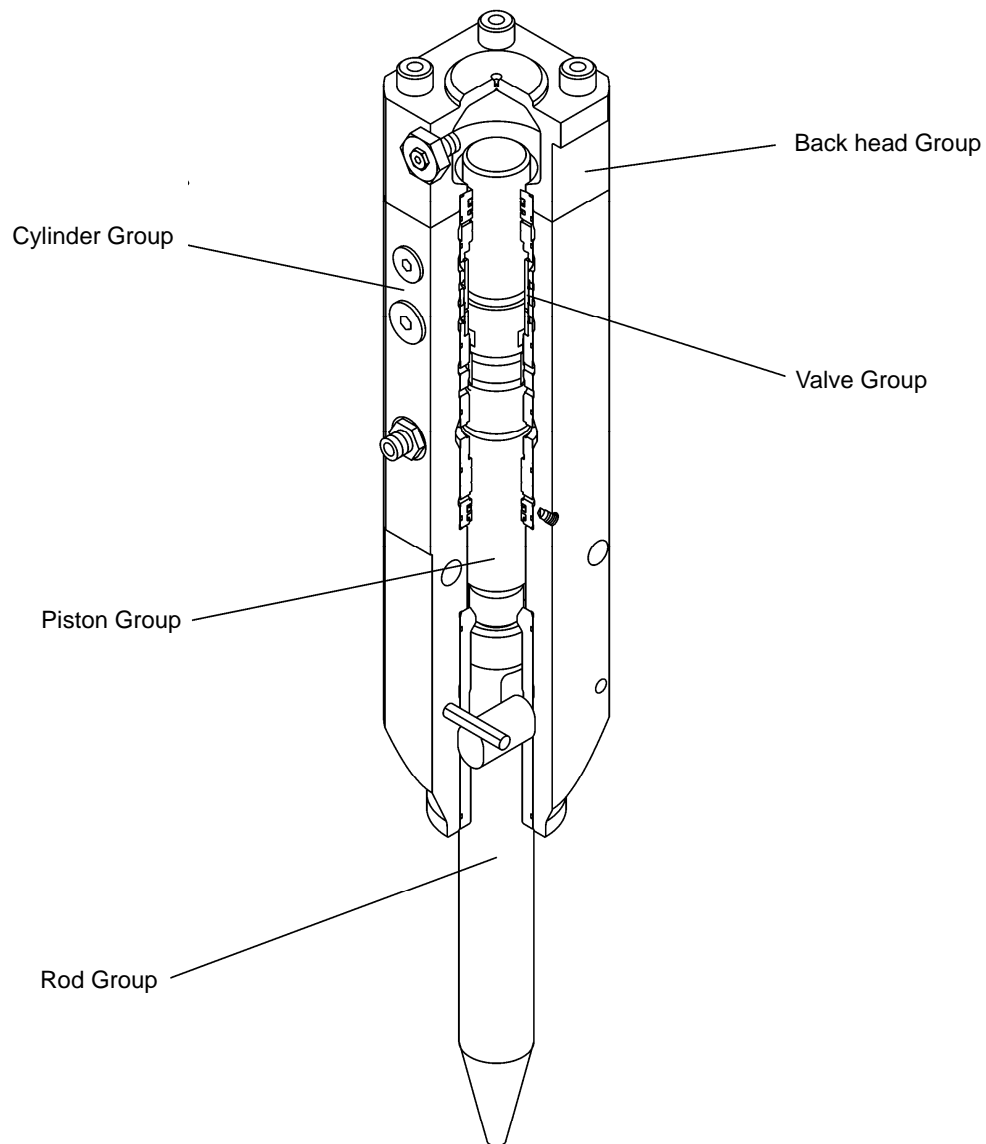
C Represents that this part is not supplied as a single part.

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.

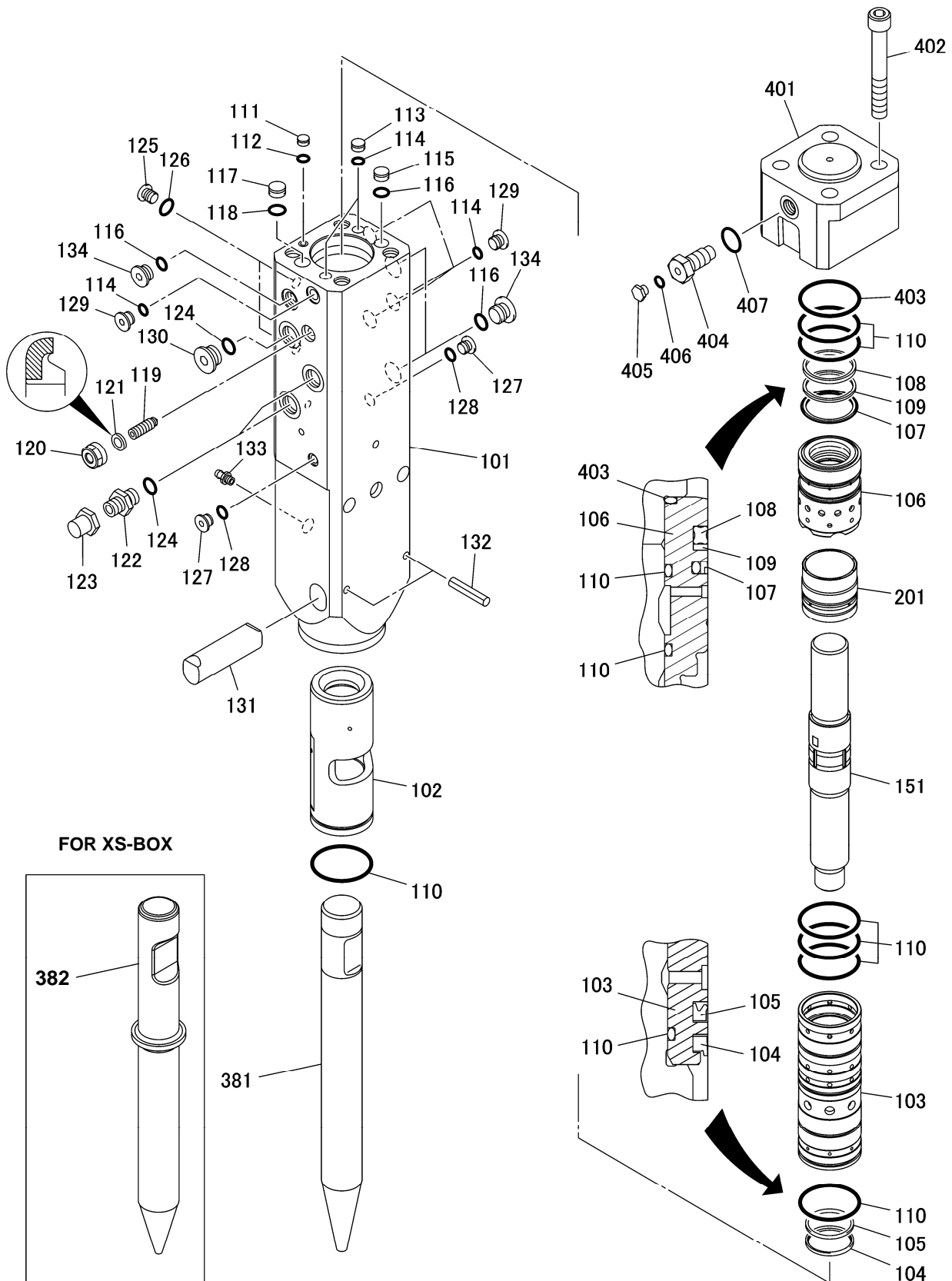
⑦ Page The left side of “—” (hyphen) shows consecutive numbers in each unit. The right side shows consecutive numbers of drawings/lists in each unit.

Name of Components or Component Group



CONTENTS

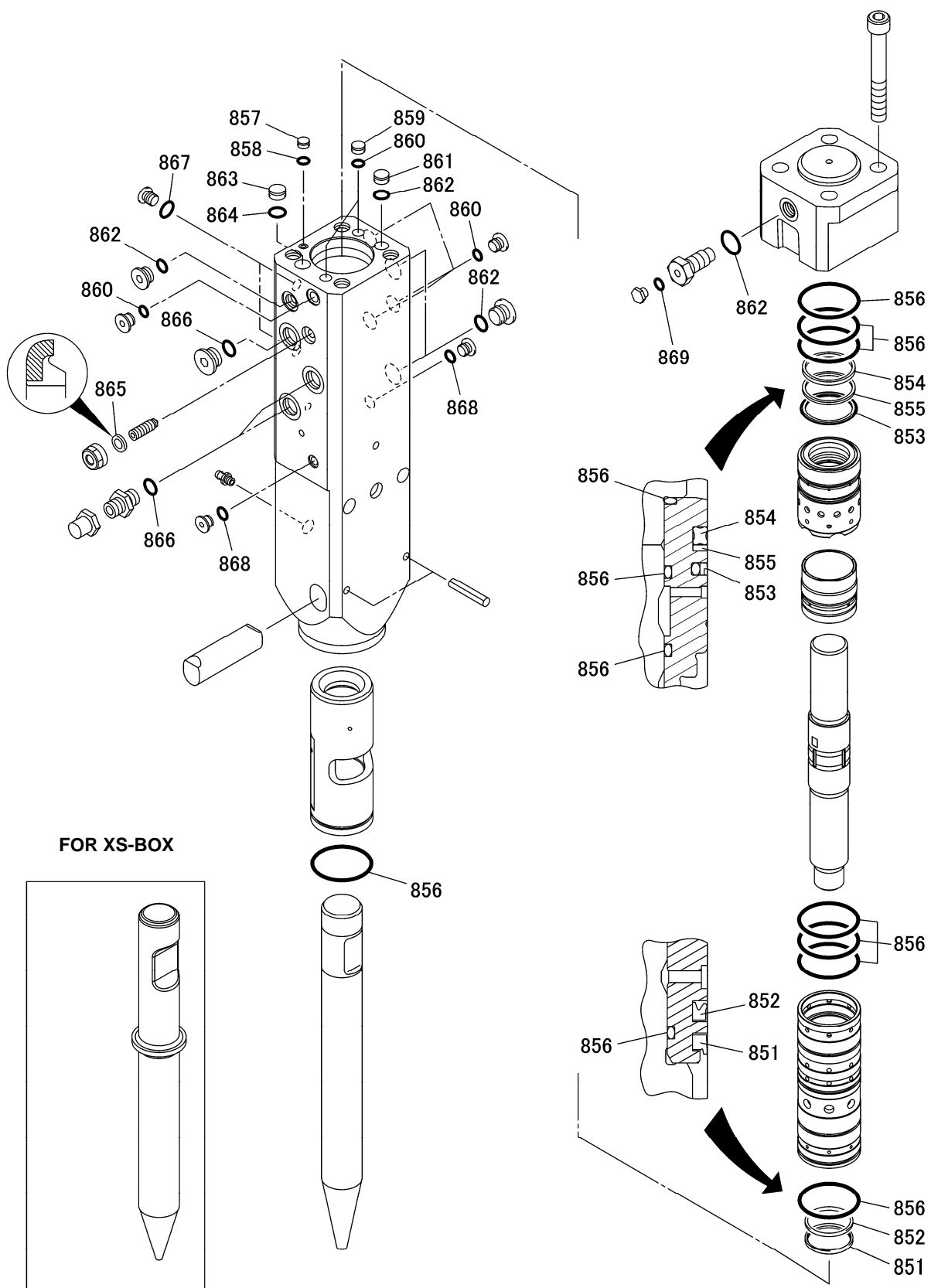
| FIG.NO. | GROUP NAME | PAGE |
|---------------------|---------------------------------------|-------|
| 902309-000010 | BREAKER BODY UNIT | 01-01 |
| 902309-920010 | SEAL KIT | 02-01 |
| 902309-800010 | BRACKET | 03-01 |
| 902309-822010 | FLAT TOP BRACKET | 04-01 |
| 902309-880010 | S-BOX | 05-01 |
| 902309-880100 | XS-BOX | 06-01 |
| | TOP BRACKET | 07-01 |
| | HYDRAULIC HOSE ASSEMBLY | 08-01 |
| | STICKERS | 09-01 |
| | STANDARD TOOLS | 10-01 |
| | BACK HEAD PRESSURE CHARGING KIT | 11-01 |
| | MAINTENANCE KITS | 12-01 |



| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|----------------|------|----------|
| 101 | 002309-100010 | CYLINDER | 1 | |
| 102 | 002309-100020 | FRONT LINER | 1 | |
| 103 | 002309-100060 | CYLINDER LINER | 1 | |
| 104 | F5-10106 | DUST SEAL | 1 | R1 |
| 105 | F5-10107 | U-PACKING | 1 | R1 |
| 106 | 002309-100070 | 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 | HB1G-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 | MK1, MK2 |
| 132 | 154037-12065 | SPRING PIN | 1 | MK1, MK2 |
| 133 | 170312-00000 | GREASE NIPPLE | 1 | |
| 134 | 084891-04000 | GPF PLUG | 3 | |
| 151 | 002309-110020 | PISTON | 1 | |
| 201 | 002309-130011 | VALVE | 1 | |

| 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 |
| | 902309-920010 | SEAL KIT | * | R1 SEE PAGE 02-01 |
| | FX55-99000 | MAINTENANCE KIT | * | MK1 SEE PAGE 12-01 |
| | FX55-99000W | MAINTENANCE KIT | * | MK2 SEE PAGE 12-01 |

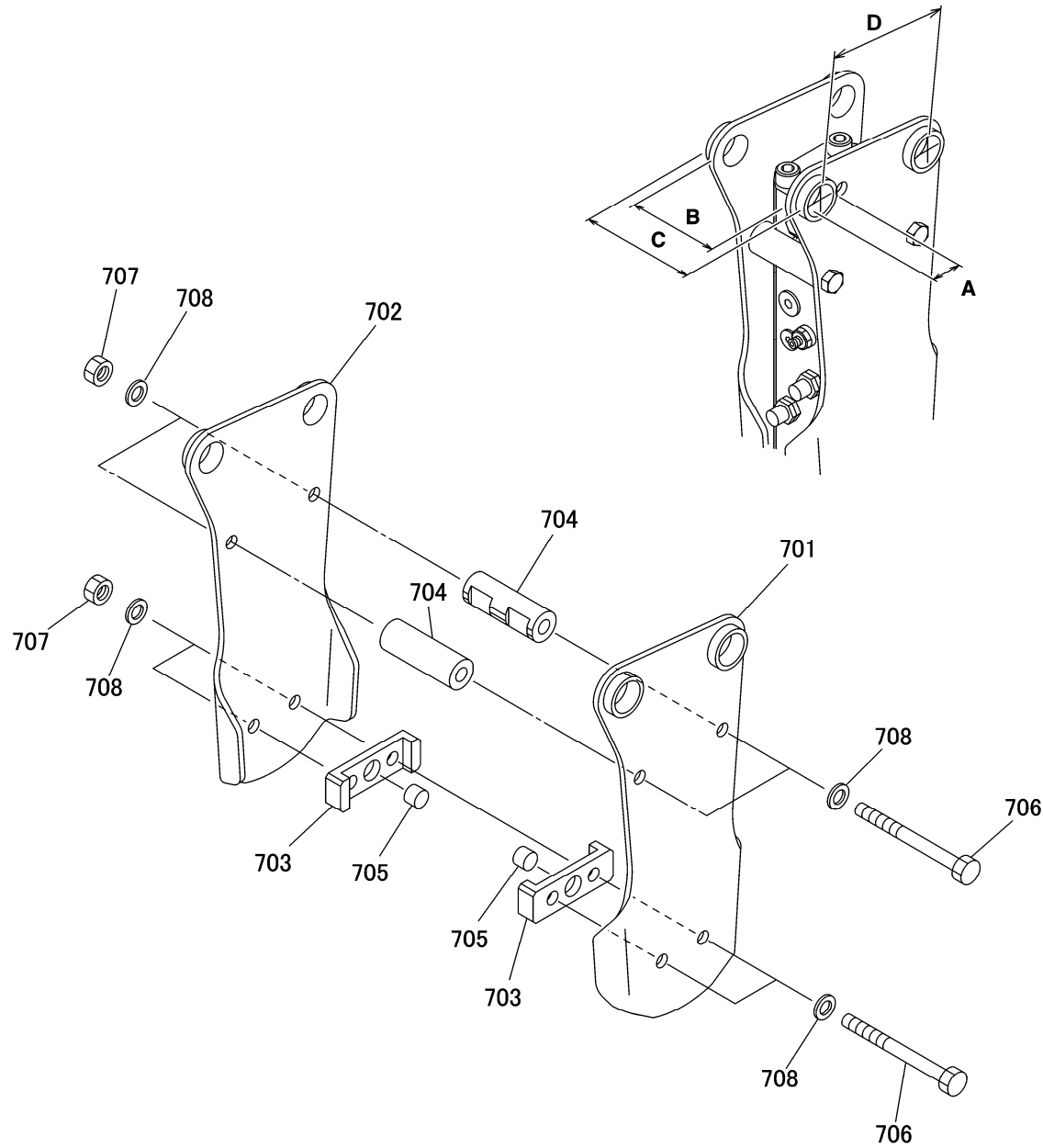
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| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|---------------|------|---------|
| | 902309-920010 | SEAL KIT | | |
| 851 | F5-10106 | *DUST SEAL | 1 | |
| 852 | F5-10107 | *U-PACKING | 1 | |
| 853 | 002304-100030 | *STEP 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 | |

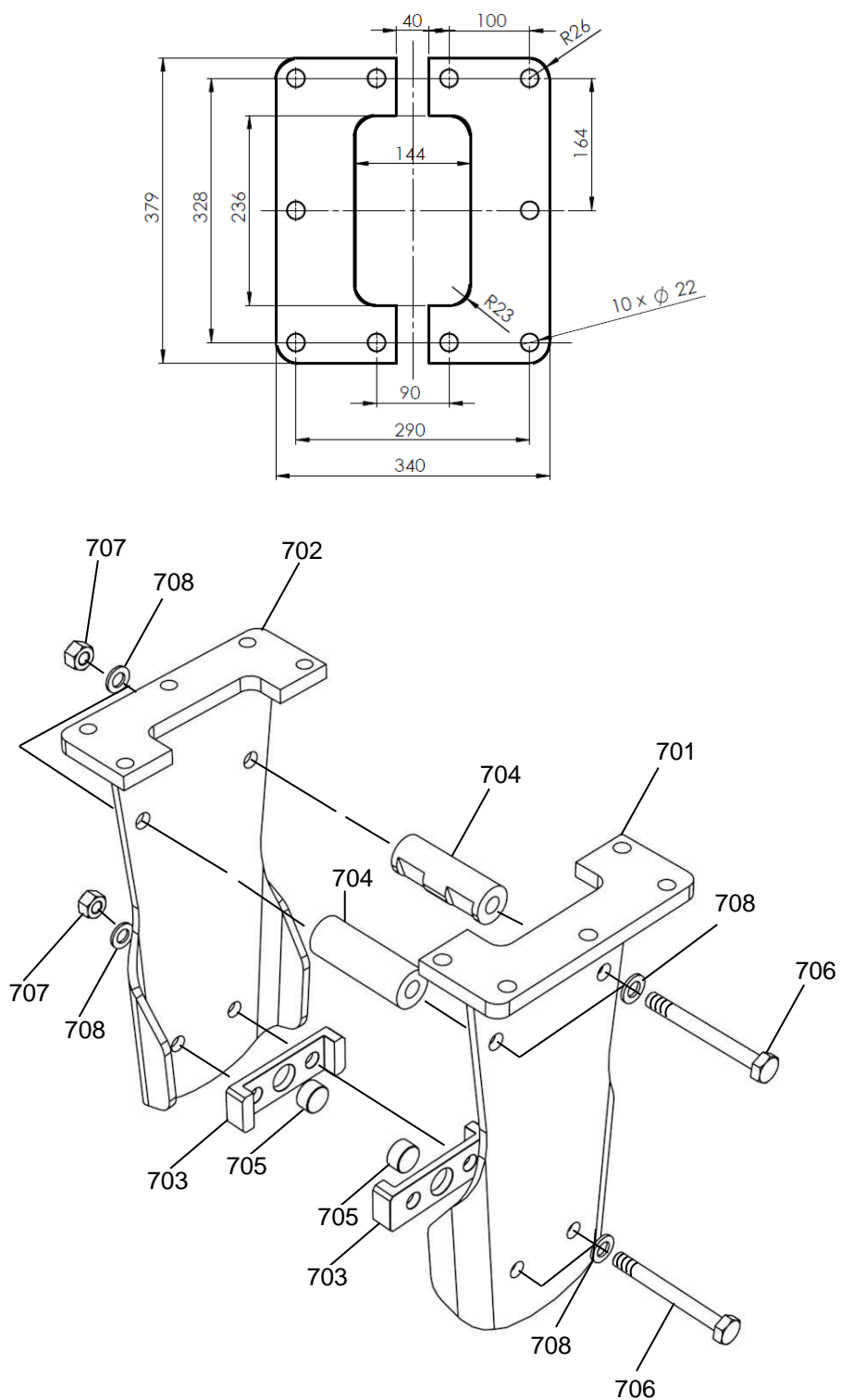
| Dimension | A | B | C | D |
|---------------|---------|--------|--------|--------|
| Part No. | | | | |
| 902309-800010 | φ 60 mm | 175 mm | 235 mm | 281 mm |

D: Distance between pins

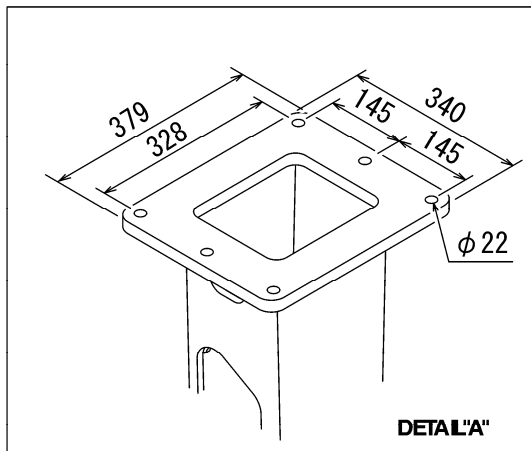


| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|-------------------|------|---------|
| | 902309-800010 | BRACKET ASSEMBLY | | |
| 701 | 002309-800010 | *BRACKET (R) | 1 | |
| 702 | 002309-800020 | *BRACKET (L) | 1 | |
| 703 | 002309-810020 | *SET PLATE | 2 | |
| 704 | 002309-810030 | *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 | |

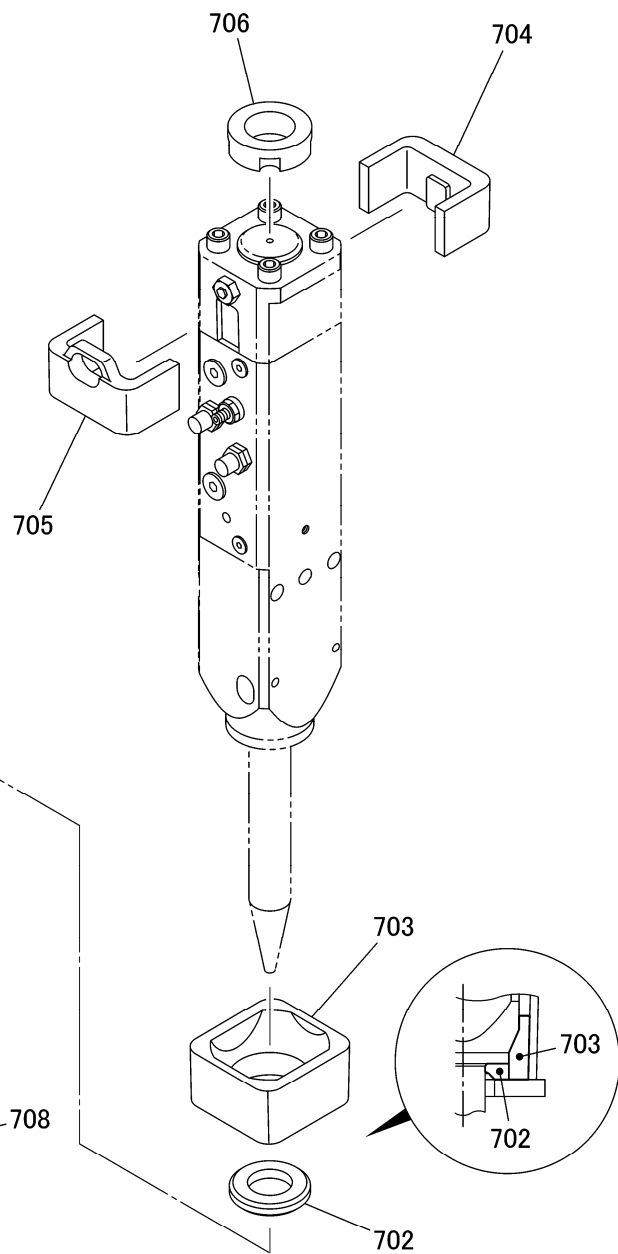
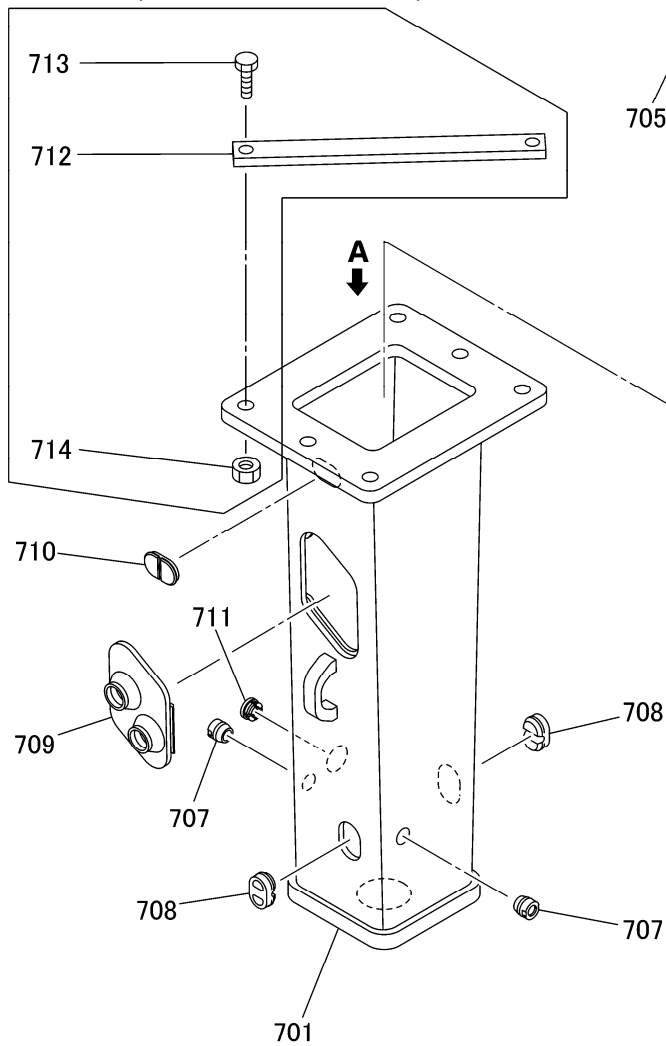
Top bracket mounting dimensions:



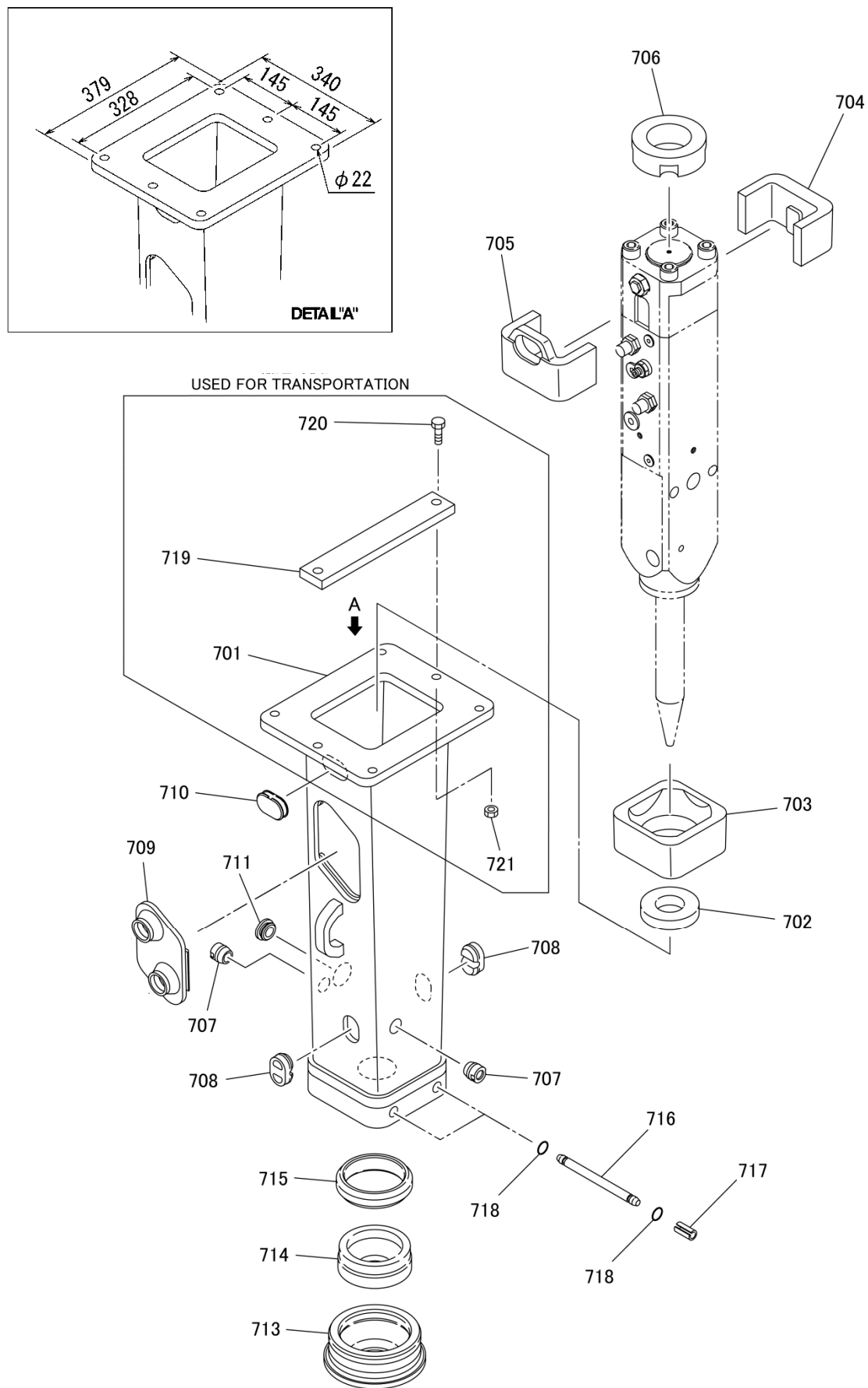
| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|-------------------|------|---------|
| | 902309-822010 | BRACKET ASSEMBLY | | |
| 701 | 002309-822010 | *BRACKET (R) | 1 | |
| 702 | 002309-822020 | *BRACKET (L) | 1 | |
| 703 | 002309-810020 | *SET PLATE | 2 | |
| 704 | 002309-810030 | *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)

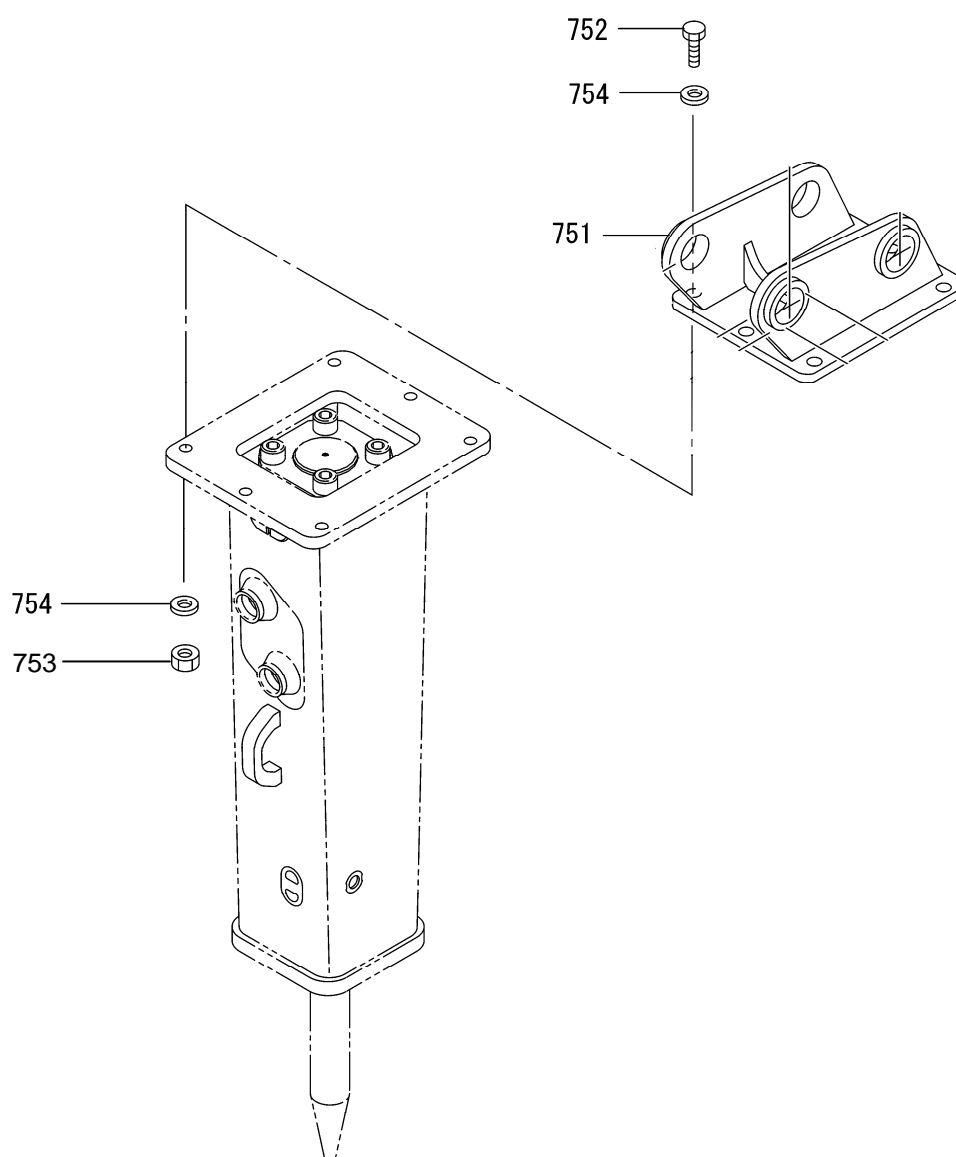


| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|-------------------|------|---------------------------------|
| | 902309-880010 | S-BOX ASSEMBLY | | |
| 701 | 002309-880010 | *S-BOX | 1 | |
| 702 | 002309-880020 | *BOTTOM DAMPER | 1 | |
| 703 | 002309-880030 | *FRONT DAMPER | 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 | 002308-880102 | *DUST PLUG | 1 | |
| 711 | 002200-830161 | *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) |



| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|-----------------|-------------------|------|---------------------------------|
| | 902309-880100 | XS-BOX ASSEMBLY | | |
| 701 | 002309-880100 | *XS-BOX | 1 | |
| 702 | 002309-830070-A | *RING, XS | 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 | 002308-880102 | *DUST PLUG | 1 | |
| 711 | 002200-830161 | *GREASE CAP | 1 | |
| 713 | 002309-830060 | *CAP | 1 | |
| 714 | 002309-830080 | *PROTECT SEAL | 1 | |
| 715 | 002309-830090 | *SUPPORT RING | 1 | |
| 716 | 002309-830101 | *STOP PIN | 2 | |
| 717 | 154037-14030 | *SPRING PIN | 2 | |
| 718 | 160011-10010 | *O-RING | 4 | |
| 719 | 002309-880090 | *FLAT BAR | 1 | TRANSPORT (WITHOUT TOP BRACKET) |
| 720 | 101012-20050 | *BOLT | 2 | TRANSPORT (WITHOUT TOP BRACKET) |
| 721 | 120112-20000 | *NUT | 2 | TRANSPORT (WITHOUT TOP BRACKET) |

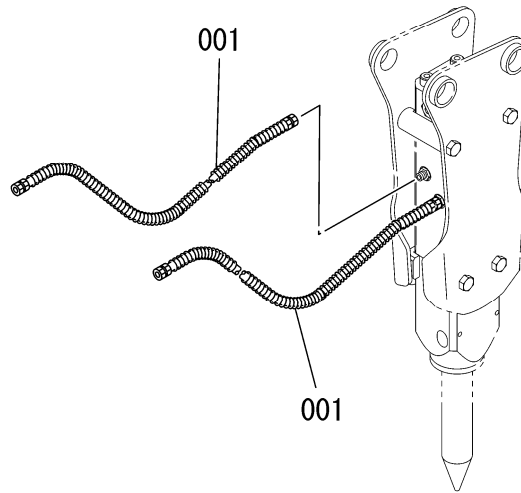
TOP BRACKET



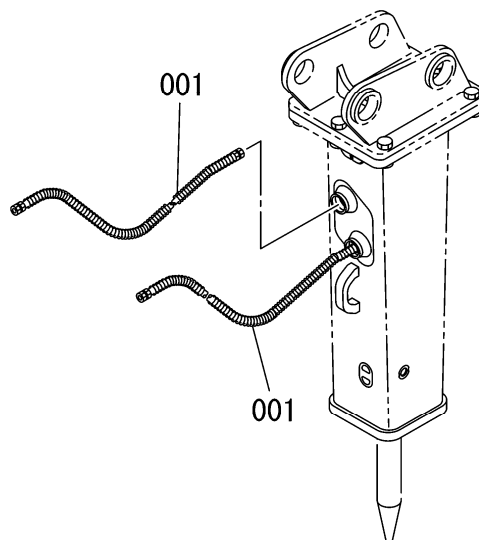
| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|--|-------------|------|------------------|
| 751 | 101032-20080 120132-20000 140112-20000 | TOP BRACKET | 1 | FLAT TOP BRACKET |
| 752 | | BOLT | 10 | |
| 753 | | NUT | 10 | |
| 754 | | WASHER | 10 | |
| 751 | 101032-20080 120132-20000 140112-20000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

HYDRAULIC HOSE ASSEMBLY

BRACKET AND FLAT TOP BRACKET

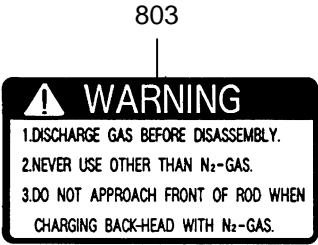
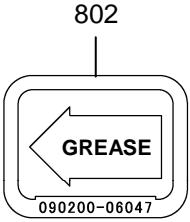
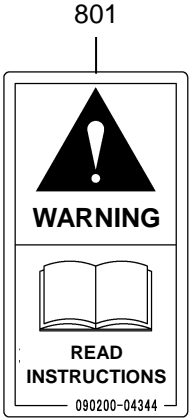
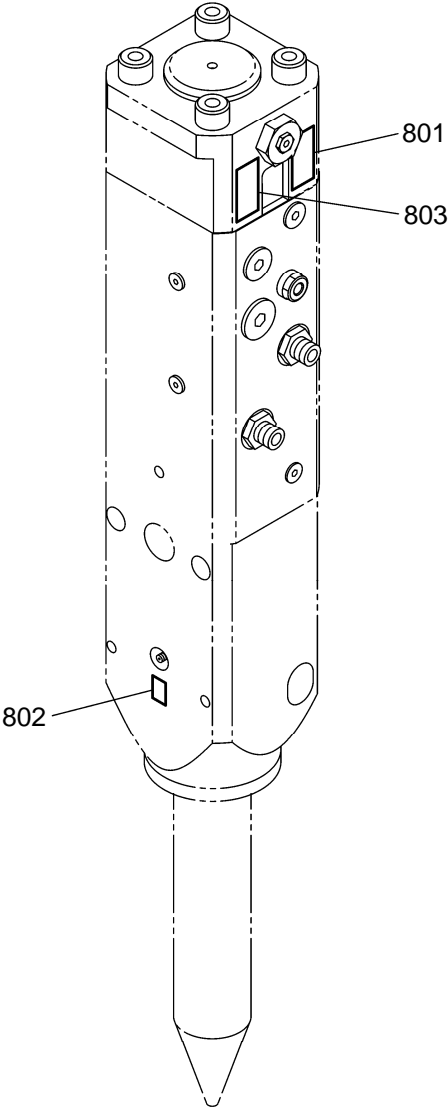


S-BOX AND XS-BOX



| 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

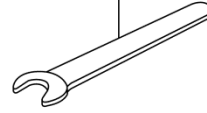


| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|--------------|-----------------|------|--|
| 801 | 090200-04344 | WARNING STICKER | 1 | ENGLISH |
| 802 | 090200-06047 | CAUTION STICKER | 1 | ENGLISH |
| 803 | 090200-04209 | WARNING STICKER | 1 | ENGLISH |
| | | | | FOR STICKERS IN OTHER LANGUAGES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

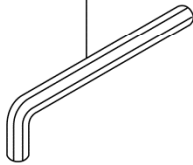
801



802 803 804 805 815



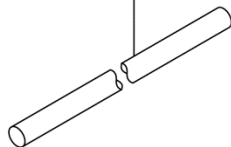
806 807 808 809 810 811



812



813



814



816



817a

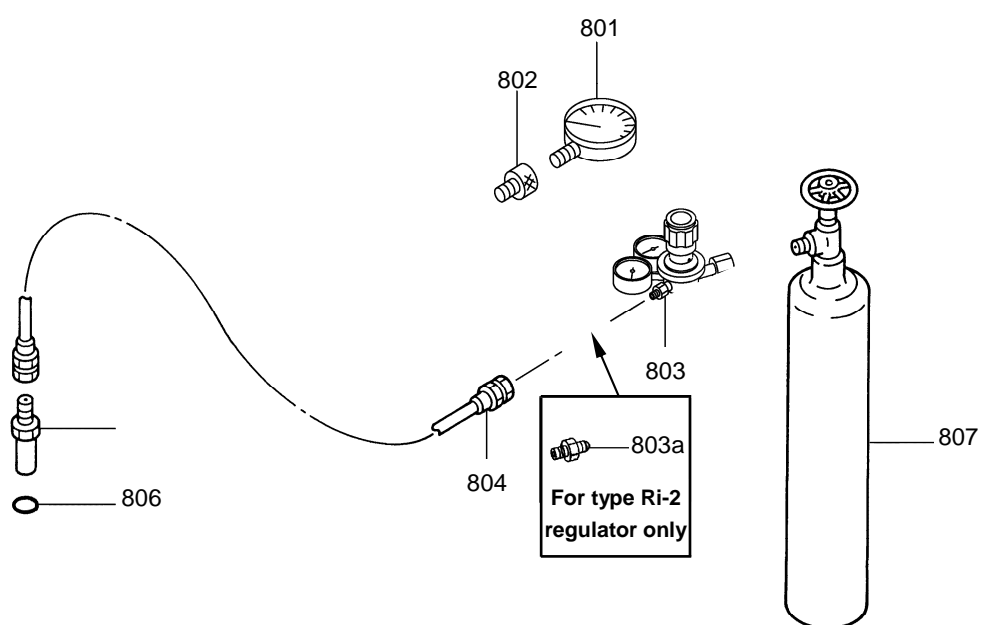


817b



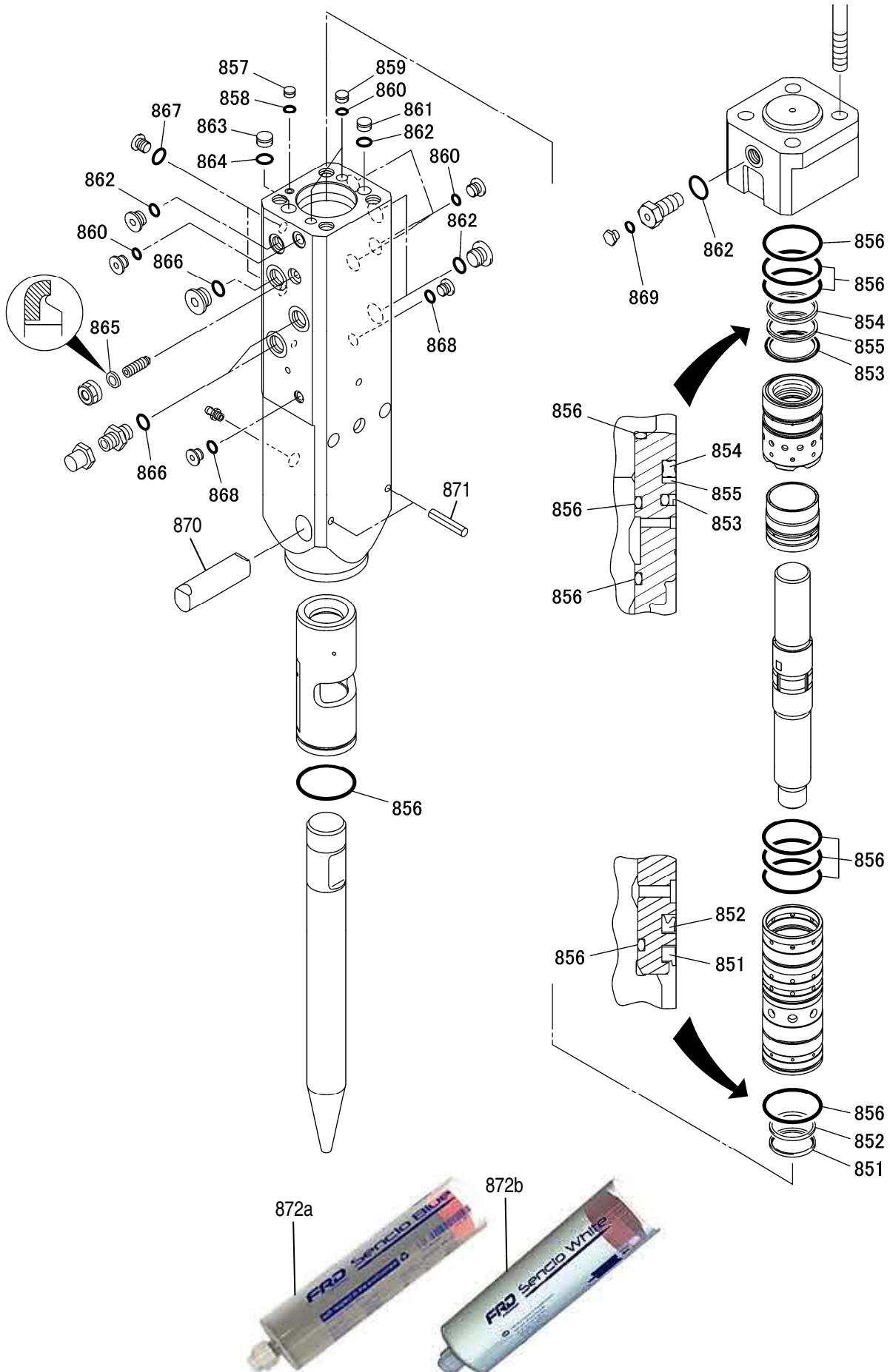
| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|--------------------------|------|--------------|
| | 903209-900011 | TOOL KIT | 1 | |
| 801 | 090012-91015 | *TOOL CASE | 1 | |
| 802 | 090012-11010 | *14mm SPANNER | 1 | |
| 803 | 090012-11014 | *22mm SPANNER | 1 | |
| 804 | 090012-11018 | *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 | 002308-900010 | *PRESS PIN | 1 | |
| 814 | HB1G-10532 | *SEAL WASHER | 1 | |
| 815 | 090012-11009 | *13mm SPANNER | 2 | |
| 816 | 244-10215-5 | GREASE GUN (MANUAL) | 1 | |
| 817a | FGC-06713 | GREASE CARTRIDGE | 1 | SENCIO BLUE |
| 817b | FGC-06625 | GREASE CARTRIDGE | 1 | SENCIO WHITE |

BACK HEAD PRESSURE CHARGING KIT



| 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 | 046072 | *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 | 046073 | *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 | 046070 | *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 | 046071 | *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 | |

MAINTENANCE KITS



| ITEM | PART NO. | PART NAME | Q'TY | REMARKS |
|------|---------------|-----------------------------|------|--------------|
| | FX55-99000 | MAINTENANCE KIT | | |
| * | 902309-920010 | *SEAL KIT (ITEMS 851 ~ 869) | 1 | |
| 870 | 002309-100050 | *ROD PIN | 1 | |
| 871 | 154037-12065 | *SPRING PIN | 1 | |
| 872a | FGC-06713 | *GREASE CARTRIDGE | 1 | SENCIO BLUE |
| | FX55-99000W | MAINTENANCE KIT | | |
| * | 902309-920010 | *SEAL KIT (ITEMS 851 ~ 869) | 1 | |
| 867 | 002309-100050 | *ROD PIN | 1 | |
| 868 | 154037-12065 | *SPRING PIN | 1 | |
| 869b | FGC-06625 | *GREASE CARTRIDGE | 1 | SENCIO WHITE |



5-3, 1-chome, Nihonbashi-muromachi, Chuo-ku,
Tokyo, 103-0027, Japan.
Phone:81-3-3231-6982 Fax:81-3-3231-6994

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