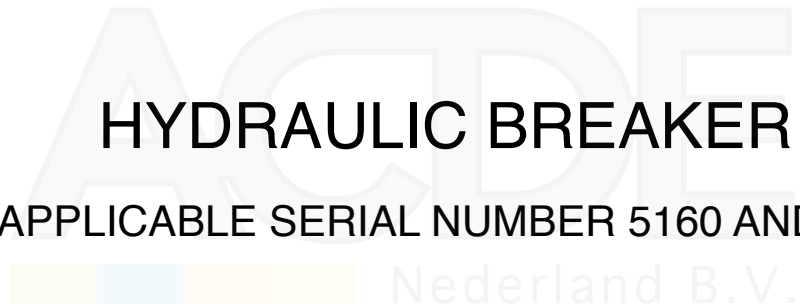


PARTS LIST

F6

HYDRAULIC BREAKER

APPLICABLE SERIAL NUMBER 5160 AND UP

 ACDE Nederland B.V.



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

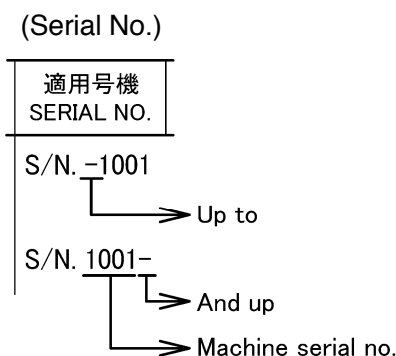
(1) Illustration

- ① Group NameIt 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 ItemIt corresponds to Item on the parts breakdown.
- ④ Group NameIt 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 ItemIt 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 NameIt 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' tyAs 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 don't include 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.

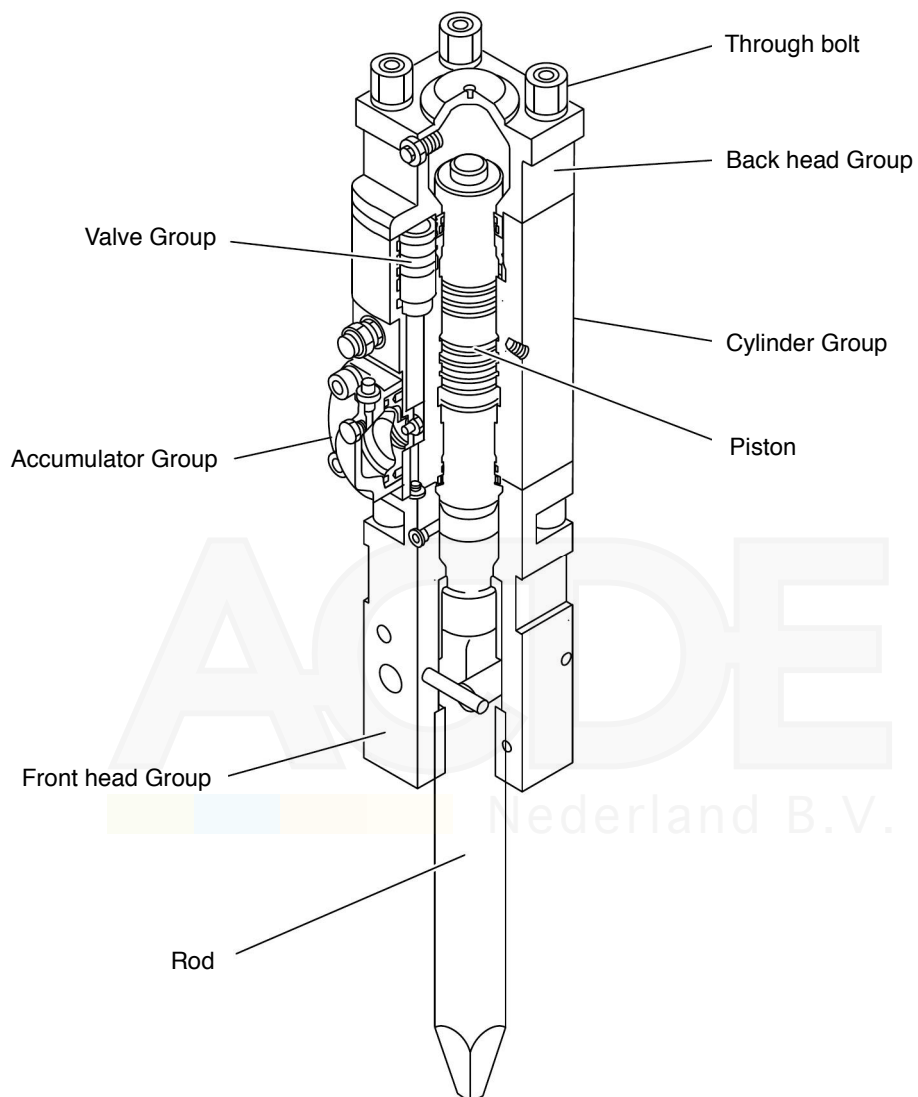
C Represents that this part is not supplied as a single part.

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.

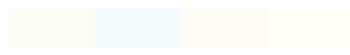
⑦ Page The left side of “—” (hyphen) shows consecutive numbers in each unit.
 The right side shows consecutive numbers of drawings/lists in each unit.

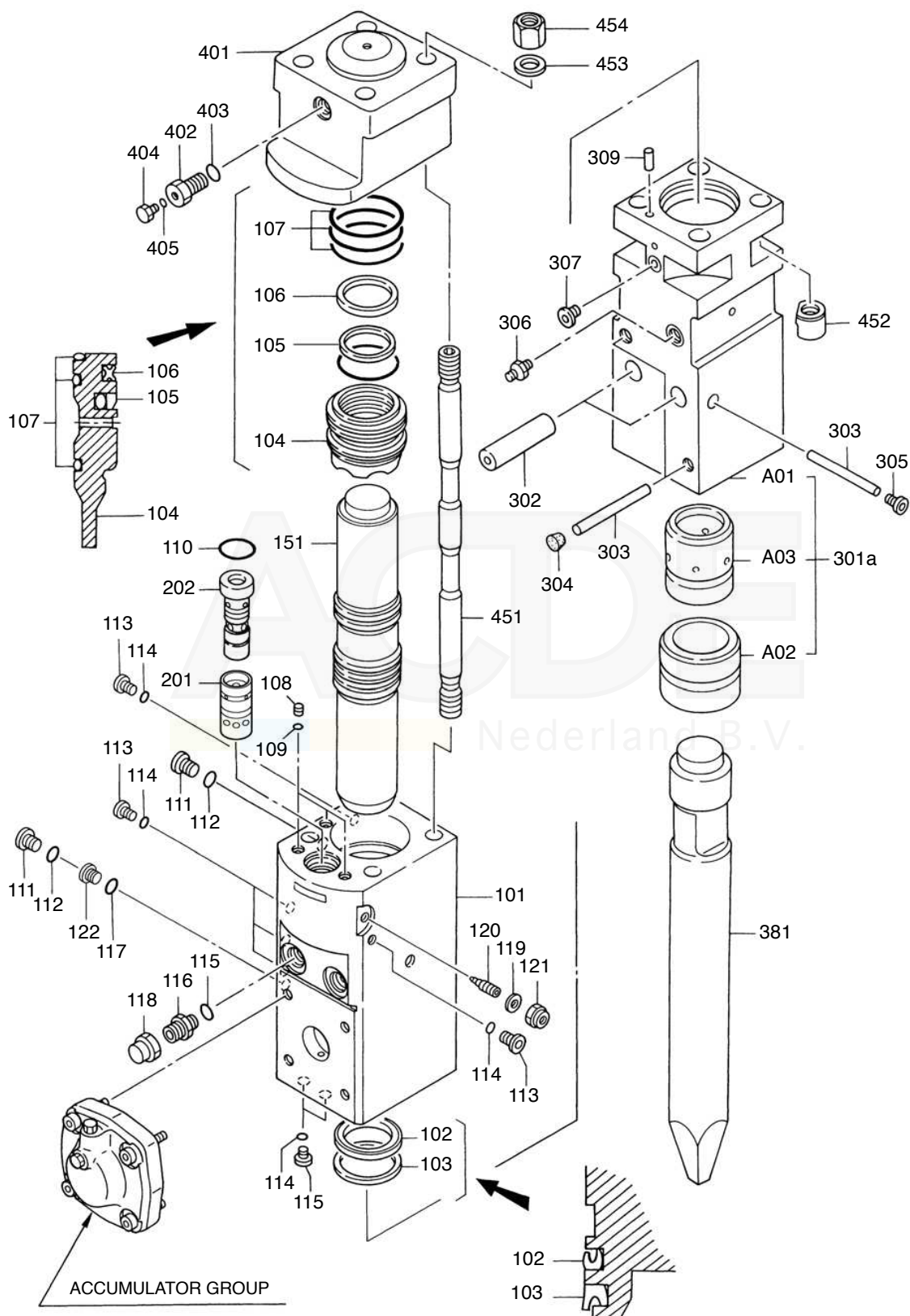
Name of Components or Component Group



CONTENTS

FIG.NO.	GROUP NAME	PAGE
F6-00001	BREAKER BODY UNIT	01-01
F6-70001	ACCUMULATOR	02-01
F6-92011	SEAL KIT (CYLINDER, ACCUMULATOR GROUP)	03-01
F6-80004	BRACKET (FOR BACKHOE LOADER: STANDARD TYPE)	04-01
F6-80006	BRACKET (FOR BACKHOE LOADER: STANDARD TYPE)	05-01
F6-80007	BRACKET (FOR BACKHOE LOADER: WIDE TYPE)	06-01
F6-82001	SIDE PLATE	07-01
F6-88002	T-BOX	08-01
.....	TOP BRACKET	09-01
.....	HYDRAULIC HOSE ASSY	10-01
F6-90002	DECALS	11-01
F6-90001	STANDARD TOOLS	12-01
.....	BACK HEAD PRESSURE CHARGING KIT	13-01
.....	ACCUMULATOR PRESSURE CHARGING KIT (OPTION)	14-01
.....	MAINTENANCE KITS	15-01

 Nederland B.V.

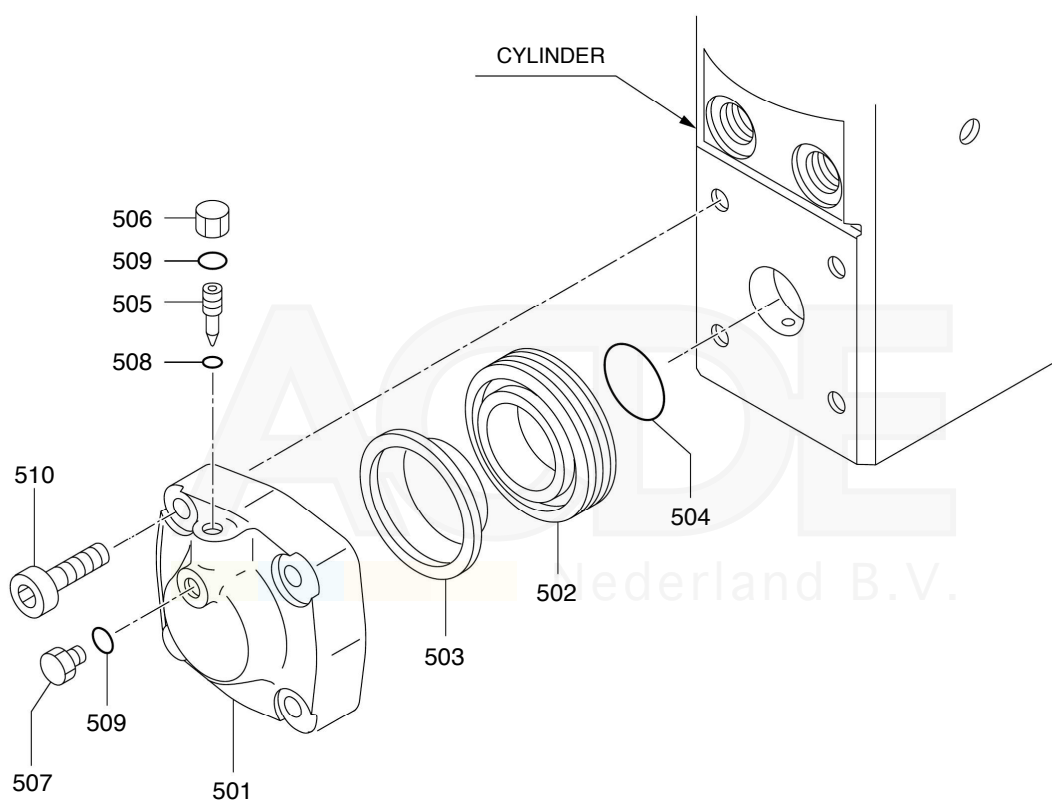


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
101	F6-10201	CYLINDER	1	
102	F6-10107	U-PACKING	1	R1
103	F6-10110	DUST SEAL	1	R1
104	F6-10111	SEAL RETAINER	1	
105	F6-10112	SLIDE PACKING	1	R1
106	F6-10114	SEAL RING	1	R1
107	161021-00100	O-RING	3	R1
108	HB5G-10120	PLUG	3	R1
109	160011-00014	O-RING	3	R1
110	161025-00050	O-RING	1	R1
111	084891-04000	GPF PLUG	2	
112	160011-00018	O-RING	2	R1
113	084891-02000	GPF PLUG	7	
114	160011-00011	O-RING	7	R1
115	160011-00024	O-RING	2	R1
116	084861-06000	CONNECTOR	2	
117	160011-00008	O-RING	1	R1
118	084898-06000	UNION CAP	2	
119	HB5G-101032	SEAL WASHER	1	R1
120	F6-10231	ADJUSTER	1	
121	F6-10233	SEAL NUT	1	
122	084891-01000	GPF PLUG	1	S/N 5160~
151	F6-11101	PISTON	1	
201	F9-13101	VALVE	1	
202	F9-13102	VALVE PLUG	1	
301a	F6-20101	FRONT HEAD	1	
A01	F6-20102	*FRONT HEAD	1	
A02	F6-20103	*FRONT BUSH	1	MK1, MK2
A03	F6-20104	*THRUST BUSH	1	MK1, MK2
302	F6-20106	ROD PIN	2	MK1, MK2
303	F6-20107	STOP PIN	3	D F6-20207
303	F6-20207	STOP PIN	3	S/N 10317~ MK1, MK2
304	HB5G-20106	PLUG	2	R1
305	F9-20108	PLUG	1	R1
306	001100-20123	GREASE NIPPLE	1	
307	084891-03000	GPF PLUG	1	
309	F22-10125	PIN	1	

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
381	F6-25111	FLAT ROD	1	ALTERNATIVE
381	F6-25113	MOIL POINT ROD	1	ALTERNATIVE
381	F6-25114	WEDGE ROD	1	ALTERNATIVE
381	F6-25116	BALL POINT ROD	1	ALTERNATIVE
401	F6-30101	BACK HEAD	1	D F6-30201
401	F6-30201	BACK HEAD	1	S/N 4894~
402	HB15G-30103	CHARGING VALVE	1	
403	160011-00018	O-RING	1	R1
404	HB20G-30109	PLUG	1	
405	160011-00006	O-RING	1	R1
451	F6-36101	THROUGH BOLT	4	
452	HB8G-36102	NUT	4	
453	HB8G-36105	WASHER	4	
454	HB8G-36106	HEXAGON NUT	4	
	F6-92011	SEAL KIT		R1 SEE PAGE 03-01
	F6-99000	MAINTENANCE KIT		MK1 SENCIO BLUE
	F6-99000W	MAINTENANCE KIT		SEE PAGE 15-01
				MK2 SENCIO WHITE
				SEE PAGE 15-01

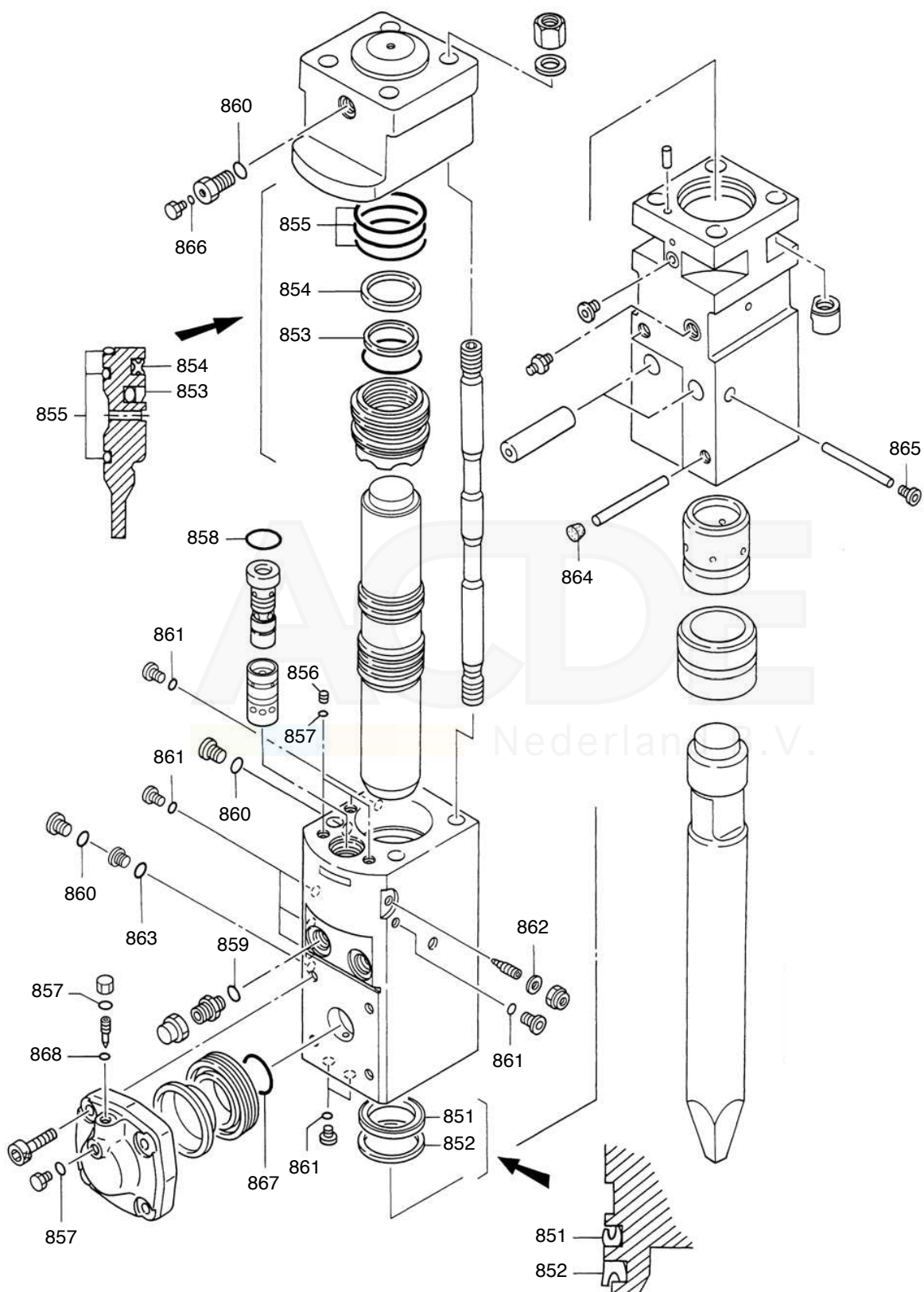
ACDE
Nederland B.V.

ACDE
Nederland B.V.

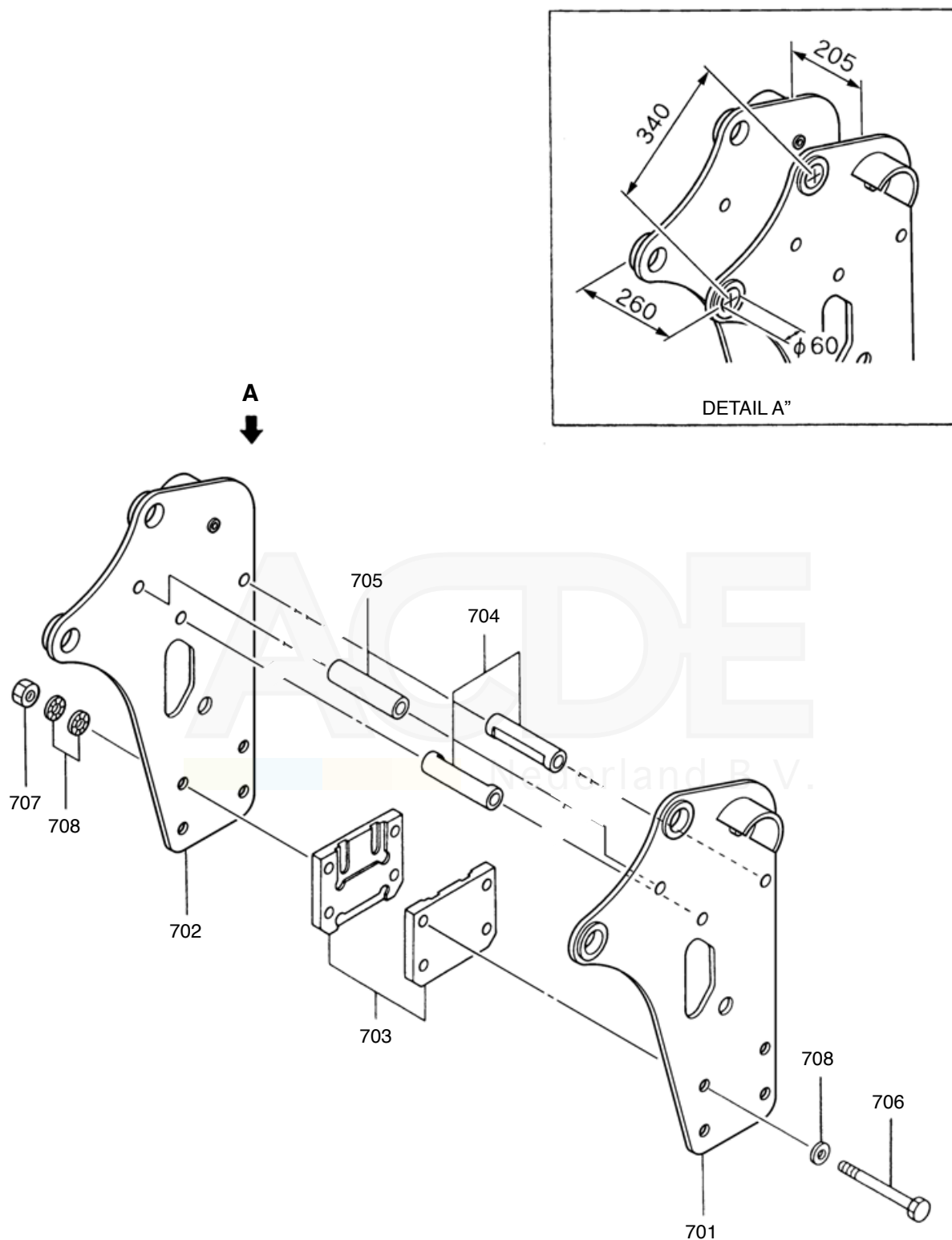


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F6-70001	ACCUMULATOR ASSEMBLY		
501	F3-70101	*ACCUMULATOR COVER	1	
502	F3-70102	*ACCUMULATOR BODY	1	
503	007320-70104	*DIAPHRAGM	1	MK1, MK2
504	161025-00055	*O-RING	1	R1
505	007120-70134	*VALVE	1	
506	HB2G-70121	*CAP	1	
507	007010-70030	*PLUG	1	
508	160011-00005	*O-RING	1	R1
509	160011-00014	*O-RING	2	R1
510	102033-16065	*SOCKET BOLT	4	



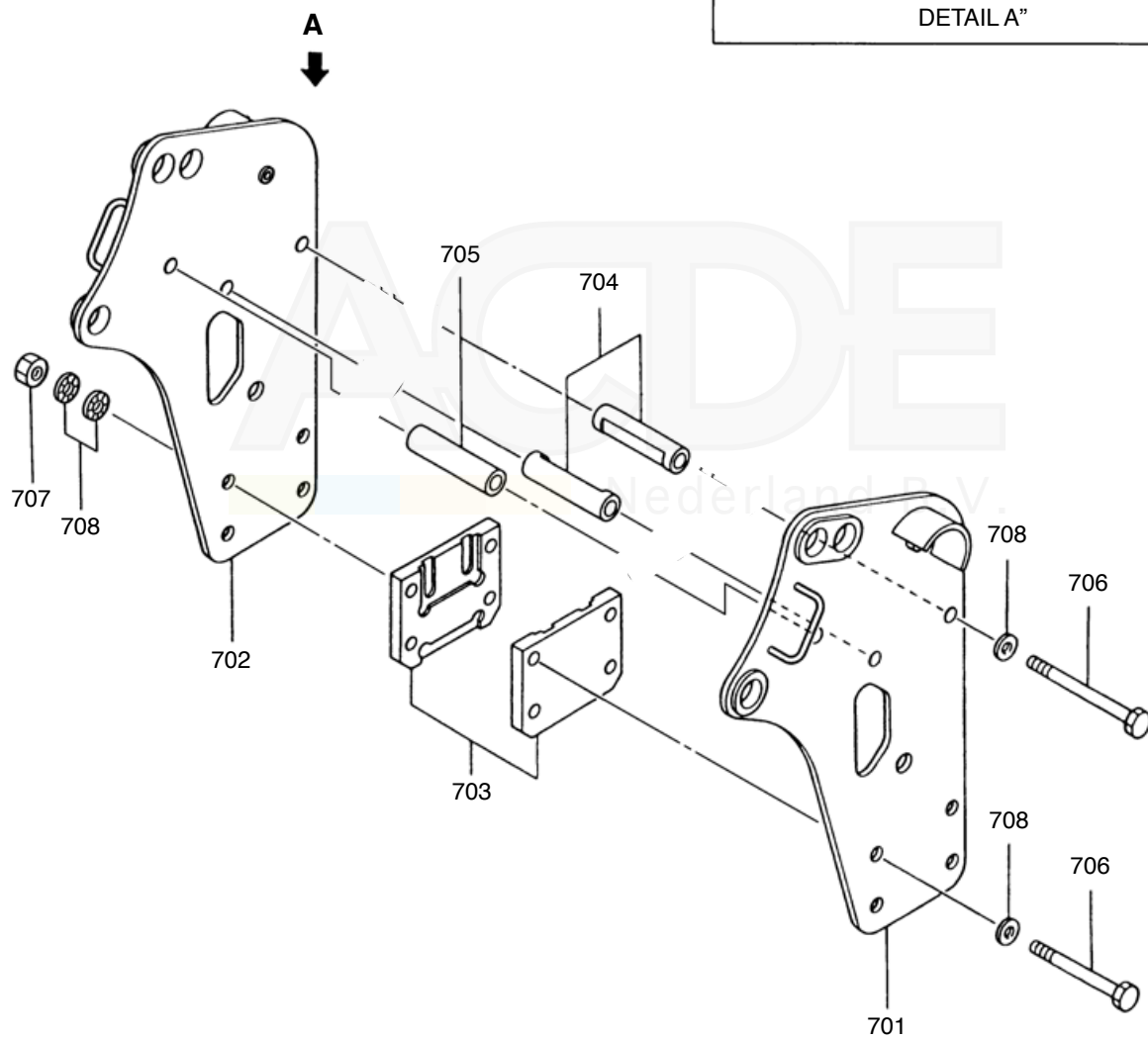
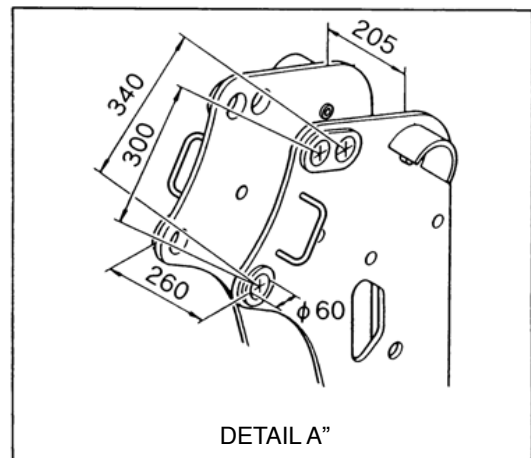


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
851	F6-92011	SEAL KIT		
	F6-10107	*U PACKING	1	
852	F6-10110	*DUST SEAL	1	
853	F6-10112	*SLIDE PACKING	1	
854	F6-10114	*SEAL RING	1	
855	161021-00100	*O-RING	3	
856	HB5G-10120	*PLUG	3	
857	160011-00014	*O-RING	5	
858	161025-00050	*O-RING	1	
859	160011-00024	*O-RING	2	
860	160011-00018	*O-RING	4	
861	160011-00011	*O-RING	7	
862	HB5G-10132	*SEAL WASHER	1	
863	160011-00008	*O-RING	1	
864	HB5G-20106	*PLUG	2	
865	F9-20108	*PLUG	1	
866	160011-00006	*O-RING	1	
867	161025-00055	*O-RING	1	
868	160011-00005	*O-RING	1	



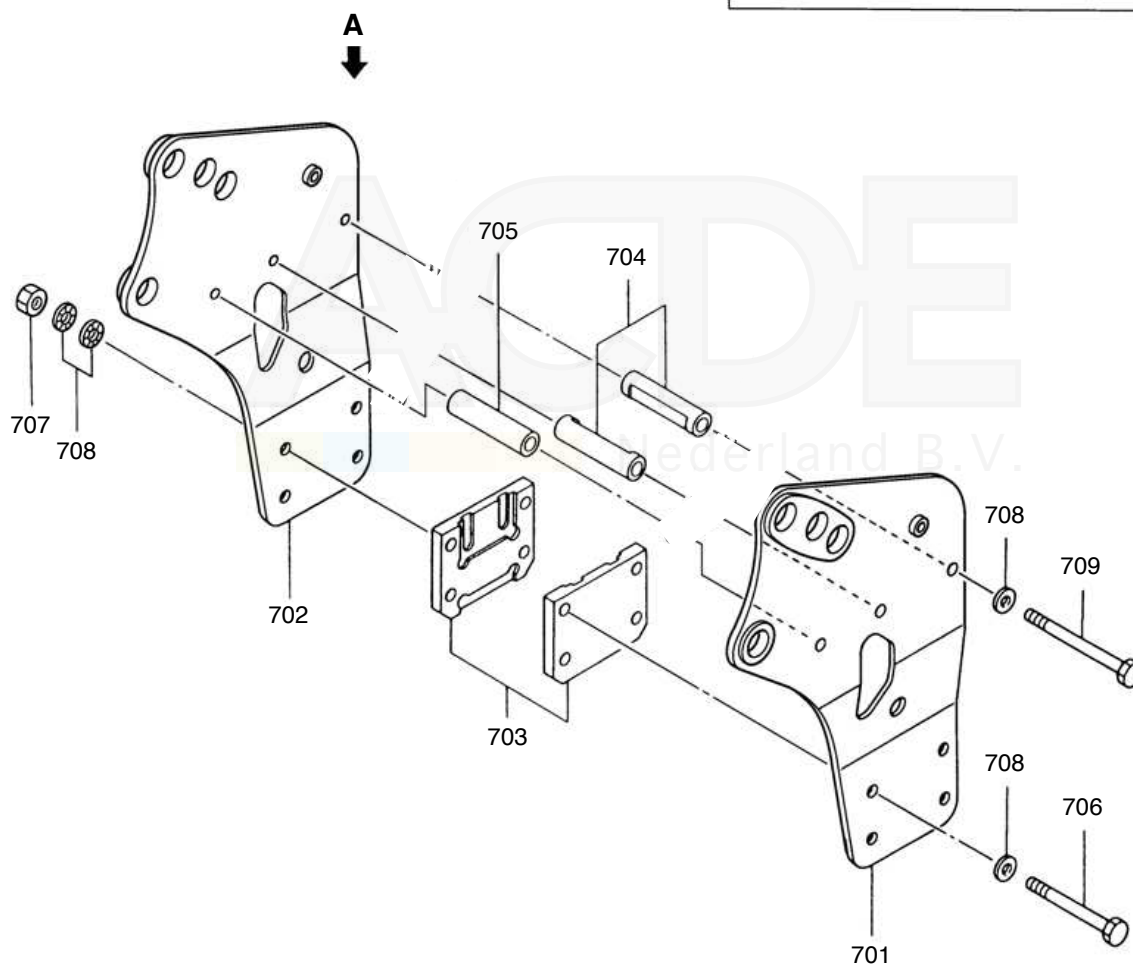
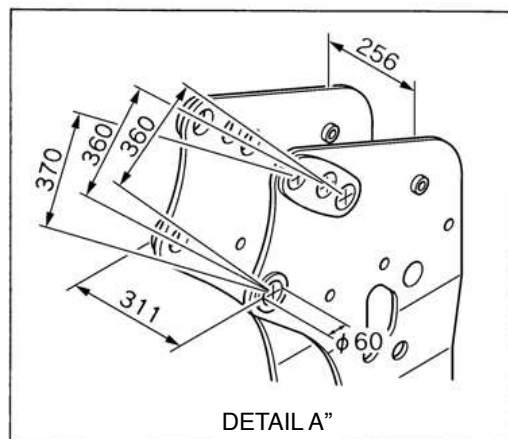
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F6-80004	BRACKET ASSEMBLY		
701	F6-80401	*BRACKET (R)	1	
702	F6-80402	*BRACKET (L)	1	
703	F6-81111	*SET PLATE	2	
704	F6-80112	*DISTANCE PIPE	2	
705	F6-80113	*DISTANCE PIPE	1	
706	F6-80114E	*HEXAGON BOLT	7	M27
707	120132-27000E	*NUT	7	M27
708	HB5G-81114E	*DISC WASHER	14	M27





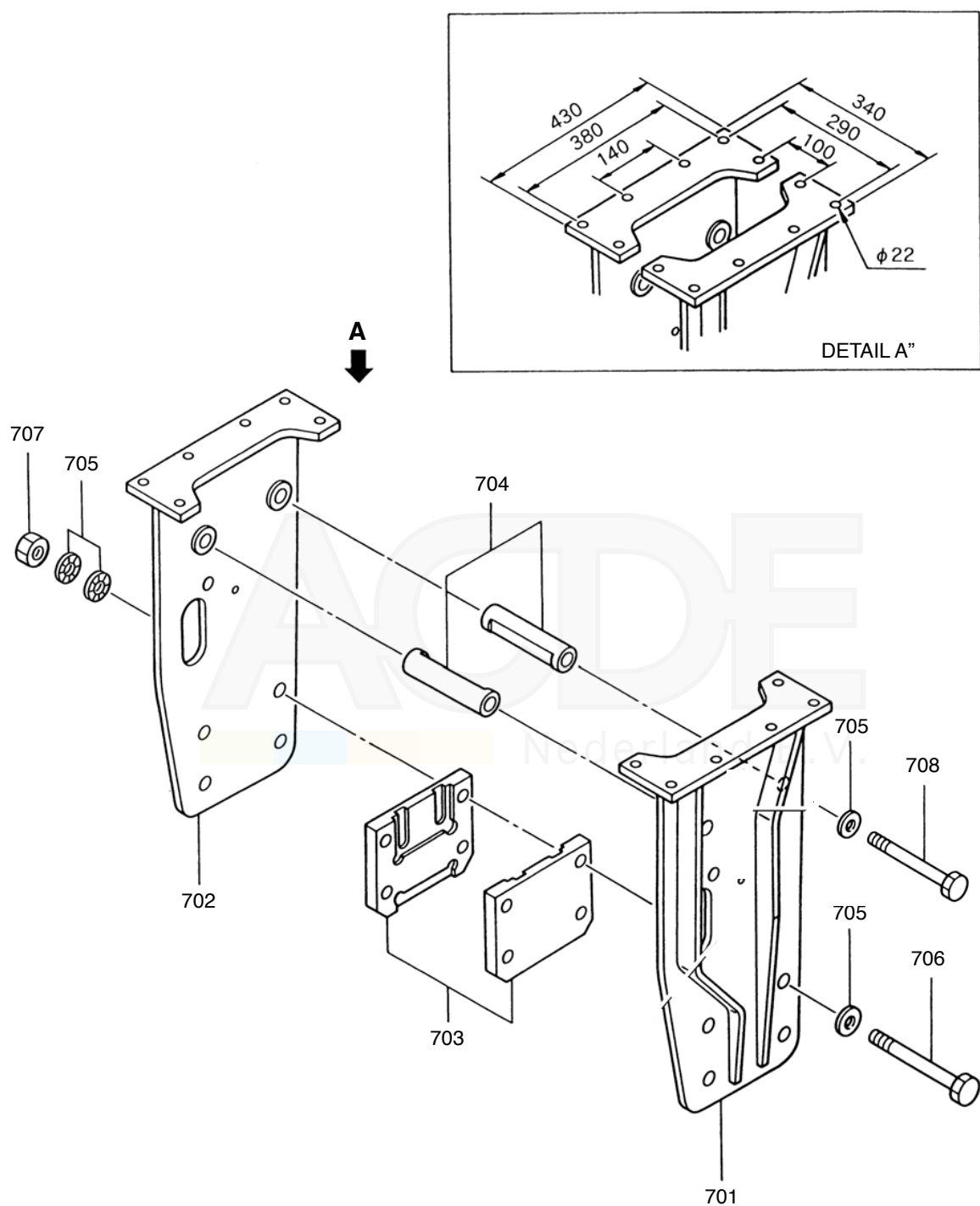
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F6-80006	BRACKET ASSEMBLY		
701	F6-80601	*BRACKET (R)	1	
702	F6-80602	*BRACKET (L)	1	
703	F6-81111	*SET PLATE	2	
704	F6-80112	*DISTANCE PIPE	2	
705	F6-80113	*DISTANCE PIPE	1	
706	F6-80114E	*HEXAGON BOLT	7	M27
707	120132-27000E	*NUT	7	M27
708	HB5G-81114E	*DISC WASHER	14	M27





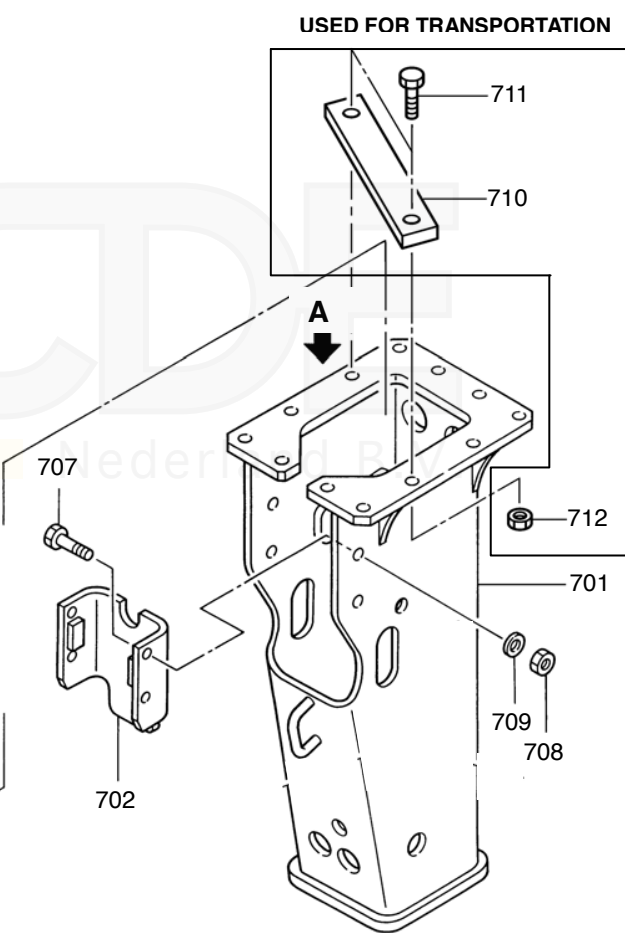
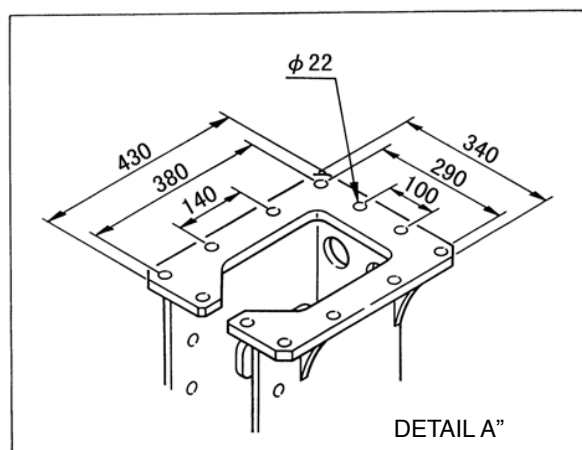
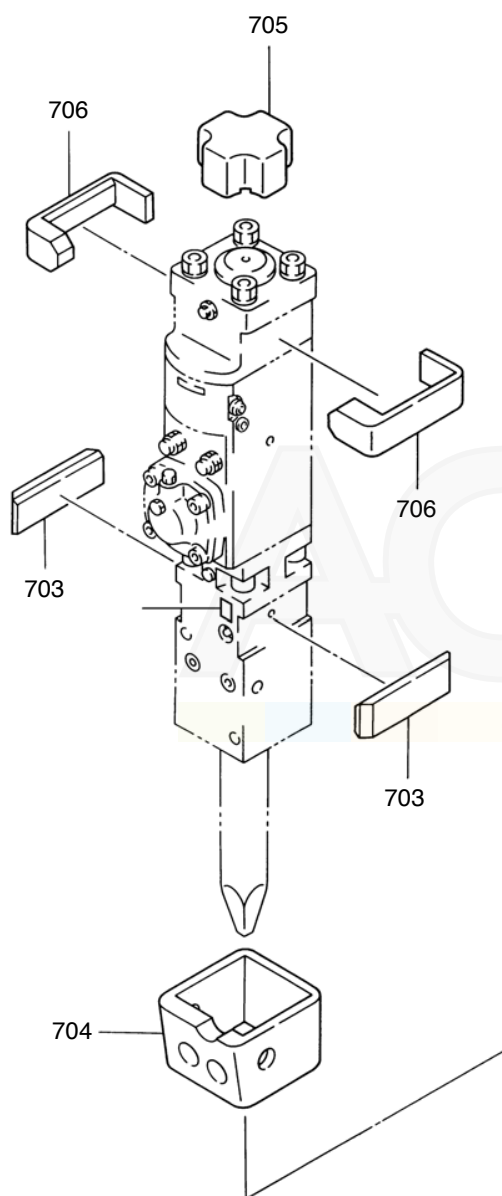
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	F6-80005	BRACKET ASSEMBLY		
702	F6-80501	*BRACKET (R)	1	
703	F6-80502	*BRACKET (L)	1	
704	F6-81111	*SET PLATE	2	
705	F6-80112	*DISTANCE PIPE	2	
706	F6-80113	*DISTANCE PIPE	1	
707	F6-80114E	*HEXAGON BOLT	4	M27
708	120132-27000E	*NUT	7	M27
709	HB5G-81114E	*DISC WASHER	14	M27
	F6-80514E	*HEXAGON BOLT	3	M27





ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	F6-82001	SIDE PLATE ASSEMBLY		
	F6-82201	*SIDE PLATE (R)	1	
702	F6-82202	*SIDE PLATE (L)	1	
703	F6-82111E	*SET PLATE	2	
704	F6-80112E	*DISTANCE PIPE	2	
705	HB5G-81114E	*DISC WASHER	12	M27
706	101033-27250E	*HEXAGON BOLT	4	M27
707	120132-27000E	*NUT	6	M27
708	101033-27260E	*HEXAGON BOLT	2	M27

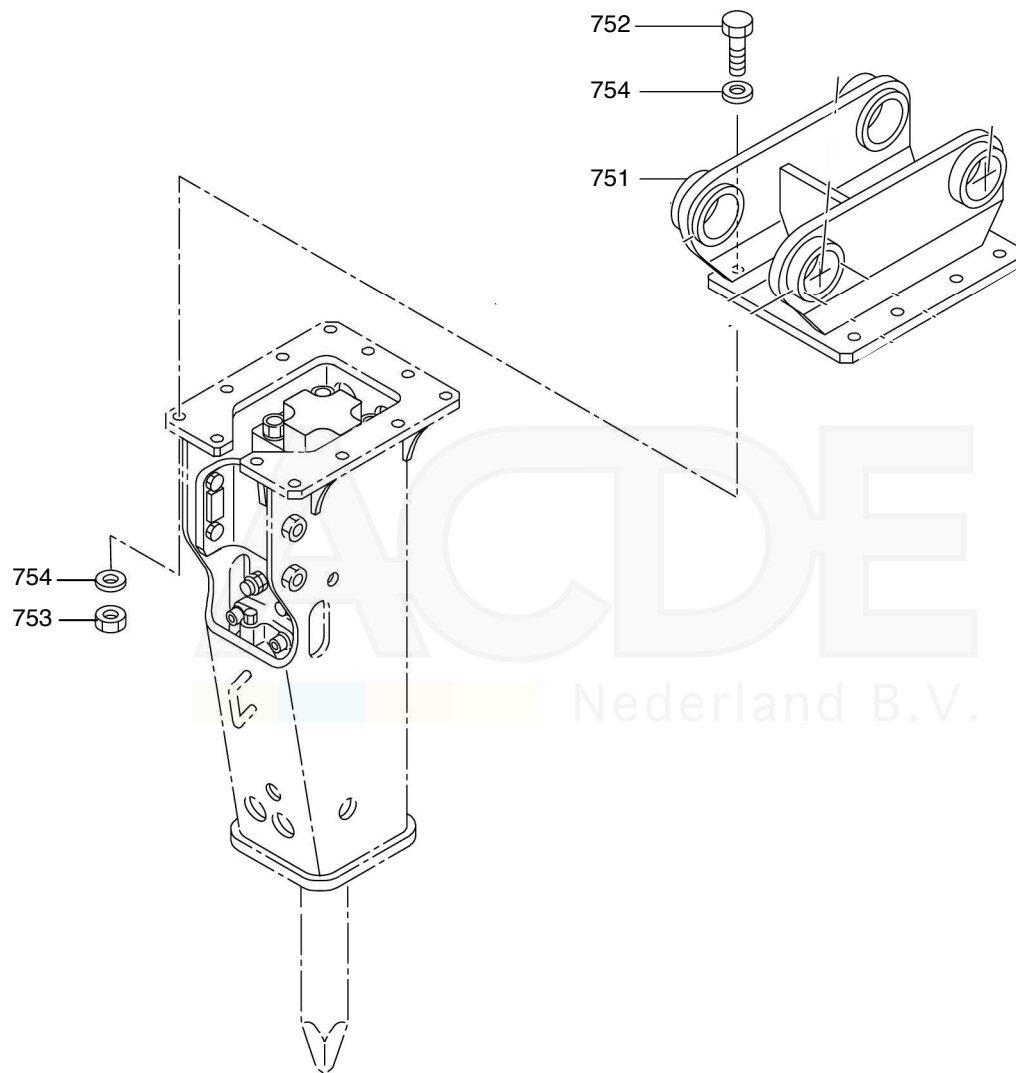




ITEM	PART NO.	PART NAME	Q'TY	REMARKS
701	F6-88002	T-BOX ASSEMBLY		
702	F6-88201	*T-BOX	1	
703	F6-88113	*SPACER	1	
704	F6-88115	*SET PLATE	2	
705	F6-88121	*FRONT DAMPER	1	
706	F6-88126	*TOP DAMPER	1	
707	F6-88223	*BACK DAMPER	2	
708	101032-24050	*HEXAGON BOLT	4	M24 X 50 10.9
709	120132-24000	*NUT	4	M24
710	F5-81114E	*DISC WASHER	4	M24
711	F6-88231	*FLAT BAR	1	
712	101012-20050	*HEXAGON BOLT	4	M20 X 50 10.9
713	120112-20000	*NUT	2	M20

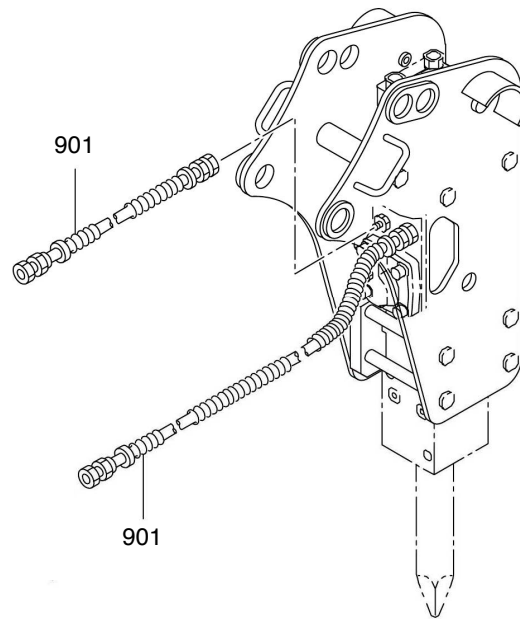


TOP BRACKET

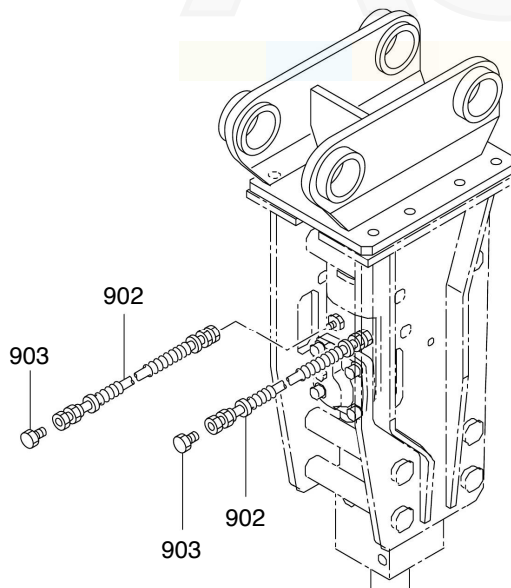


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
751		TOP BRACKET	1	
752	101033-20070	HEXAGON BOLT	12	M20 X 70 10.9
753	120133-20000	NUT	12	M20
754	HB3R-81114E	DISC WASHER	24	M20
				

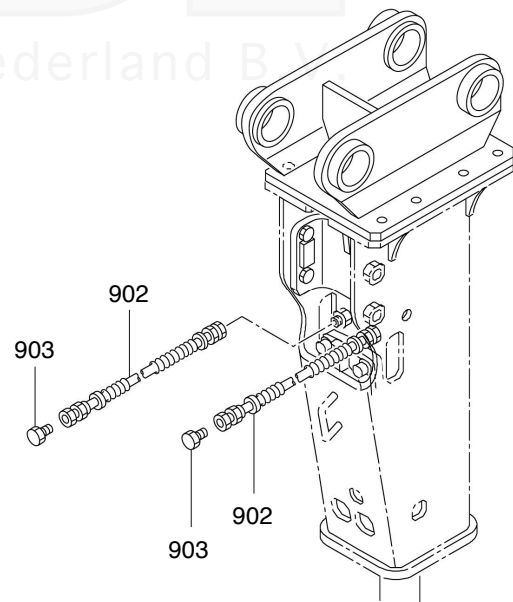
HYDRAULIC HOSES



BACKHOE LOADER BRACKET



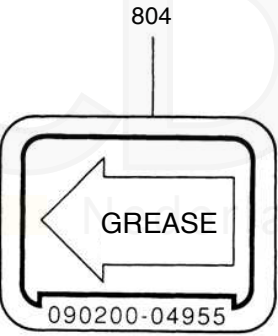
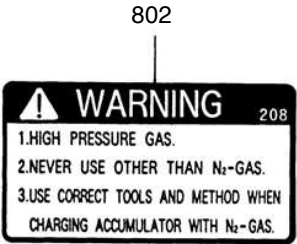
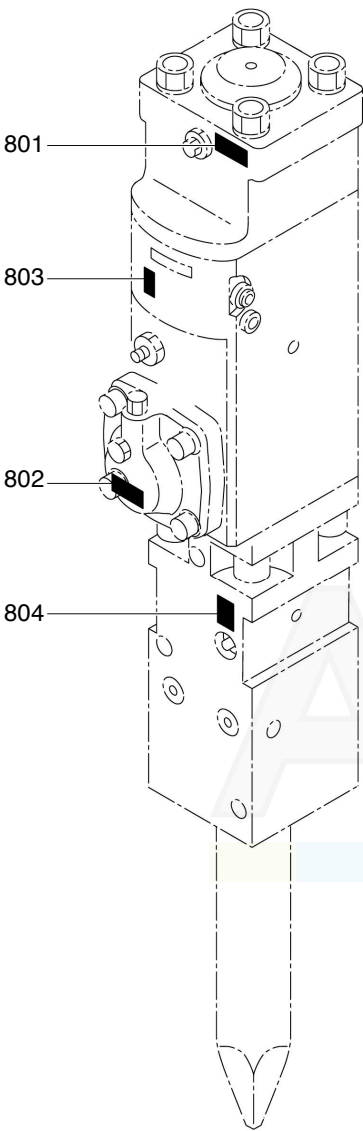
SIDE PLATE



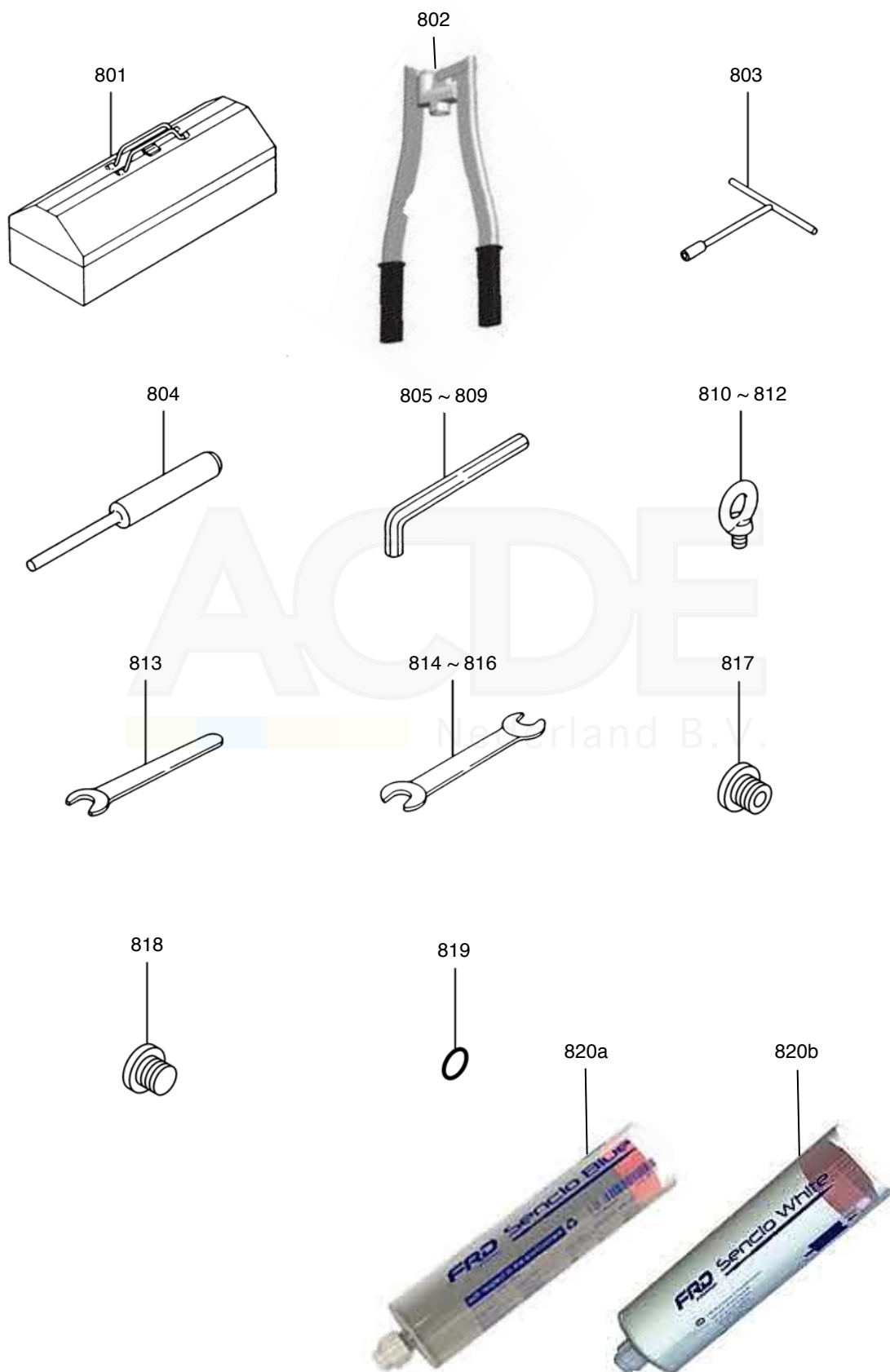
T-BOX

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	BACKHOE LOADER FRAMES			
901	10015468	HYDRAULIC HOSE	2	STANDARD USE WITH QUICK COUPLINGS
901	10017768	HYDRAULIC HOSE	2	
	SIDE PLATE AND T-BOX FRAMES			
	1003650H	HYDRAULIC HOSE ASSEMBLY		
902	1003650	HYDRAULIC HOSE	2	
903	ROV20S	PLUG	2	



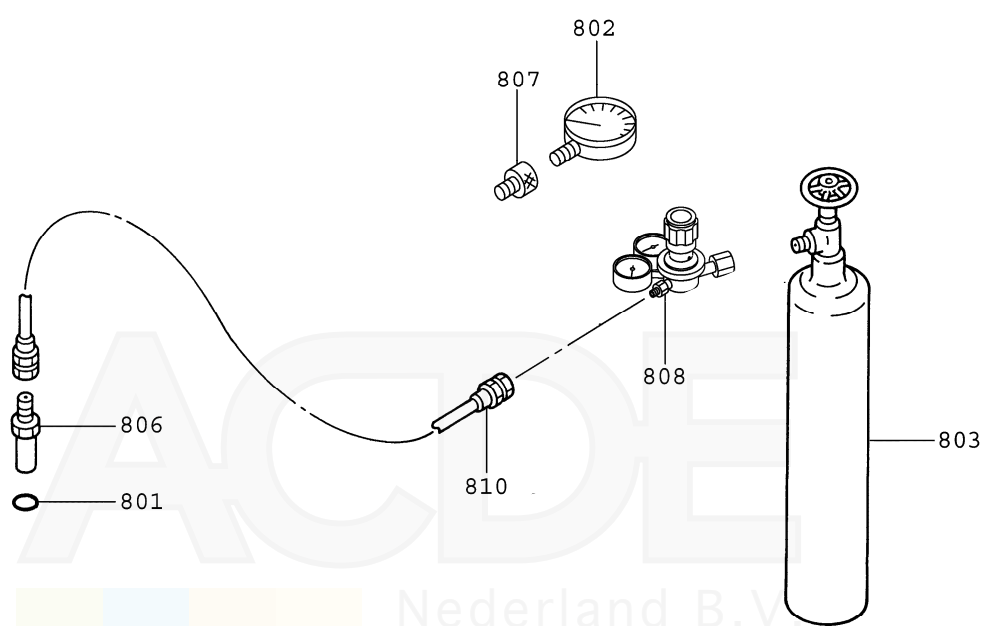


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
801	090200-04206	WARNING LABEL (BACK HEAD)	1	ENGLISH
802	090200-04208	WARNING LABEL (ACCUMULATOR)	1	ENGLISH
803	090200-04344	WARNING LABEL	1	ENGLISH
804	090200-04955	WARNING LABEL	1	ENGLISH
				



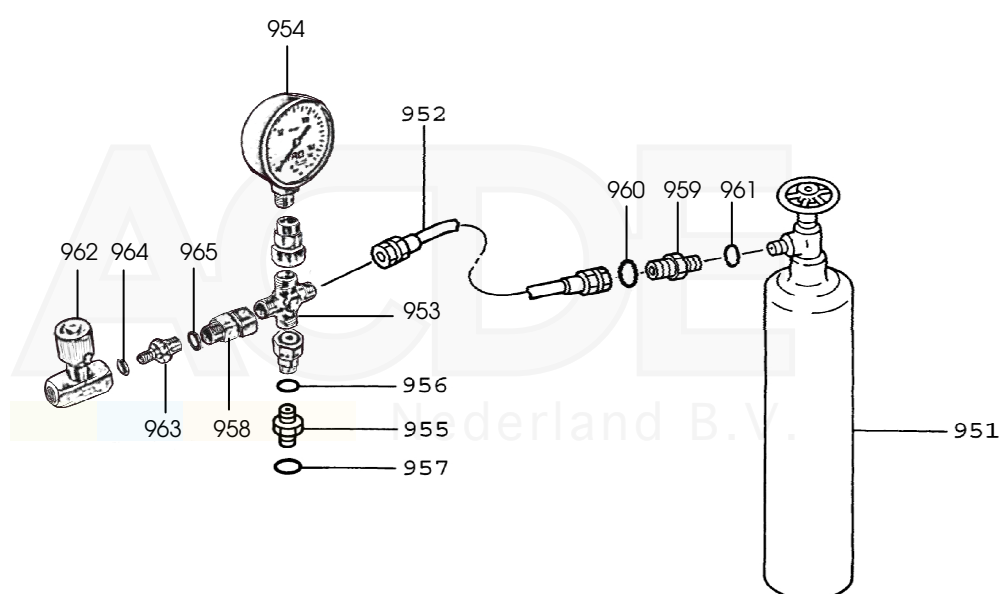
ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F6-90001E	TOOL BOX ASSEMBLY		
801	090012-91005	*TOOL BOX	1	
802	244-10215-5	*GREASE GUN	1	
803	090012-25009	*14mm T-WRENCH	1	
804	HB20G-90107	*PRESS PIN	1	
805	090012-17006	*5mm HEXAGON BAR WRENCH	1	
806	090012-17007	*6mm HEXAGON BAR WRENCH	1	
807	090012-17008	*8mm HEXAGON BAR WRENCH	1	
808	090012-17009	*10mm HEXAGON BAR WRENCH	1	
809	090012-17011	*14mm HEXAGON BAR WRENCH	1	
810	117012-08000	*EYE BOLT	1	
811	117012-12000	*EYE BOLT	1	
812	117012-16000	*EYE BOLT	2	
813	090012-11025	*41mm SPANNER	1	
814	090012-12023	*19x22mm SPANNER	1	
815	090012-12029	*24x27mm SPANNER	1	
816	090012-12038	*32x36mm SPANNER	1	
817	F6-10221	*REDUCER	1	
818	084891-01000	*GPF PLUG	1	
819	160011-00008	*O-RING	1	
820a	FGC-06713	GREASE CARTRIDGE	1	SENCIO BLUE
820b	FGC-06625	GREASE CARTRIDGE	1	SENCIO WHITE

BACK HEAD PRESSURE CHARGING KIT



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
801	HB20G-920131	BACK HEAD CHARGING KIT		FOR: AUSTRIA, BULGARIA,
802	161011-00006	O-RING	1	CZECH REP., DENMARK,
803	H-11016	PRESSURE GAUGE	1	FINLAND, GERMANY, ICELAND,
806	-	NITROGEN GAS CYLINDER	1	NETHERLANDS, NORWAY,
807	HB20G-921071	CHARGING ADAPTER	1	POLAND, RUSSIA (MOSCOW),
808	HB20G-921072	ADAPTER	1	SERBIA, SLOVAKIA, SWEDEN,
810	046012	REGULATOR (Ru-3)	1	SWITZERLAND.
810	1001766	CHARGING HOSE	1	
801	HB20G-920132	BACK HEAD CHARGING KIT		FOR: FRANCE, PORTUGAL,
802	161011-00006	O-RING	1	SPAIN.
803	H-11016	PRESSURE GAUGE	1	
806	-	NITROGEN GAS CYLINDER	1	
807	HB20G-921071	CHARGING ADAPTER	1	
808	HB20G-921072	ADAPTER	1	
810	046016	REGULATOR (B-4)	1	
810	1001766	CHARGING HOSE	1	
801	HB20G-920133	BACK HEAD CHARGING KIT		FOR: GREAT BRITAIN, IRELAND
802	161011-00006	O-RING	1	MALTA, SOUTH AFRICA.
803	H-11016	PRESSURE GAUGE	1	
806	-	NITROGEN GAS CYLINDER	1	
807	HB20G-921071	CHARGING ADAPTER	1	
808	HB20G-921072	ADAPTER	1	
810	046017	REGULATOR (Ri-2)	1	
810	1001766	CHARGING HOSE	1	
	2243-04-06	CONNECTOR	1	
801	HB20G-920134	BACK HEAD CHARGING KIT		FOR: BELGIUM, CYPRUS,
802	161011-00006	O-RING	1	GREECE, HUNGARY, ISRAEL,
803	H-11016	PRESSURE GAUGE	1	ITALY, RUSSIA (GENERAL)
806	-	NITROGEN GAS CYLINDER	1	UKRAINE.
807	HB20G-921071	CHARGING ADAPTER	1	
808	HB20G-921072	ADAPTER	1	
810	046018	REGULATOR (Ru-1)	1	
810	1001766	CHARGING HOSE	1	

ACCUMULATOR PRESSURE CHARGING KIT (OPTION)

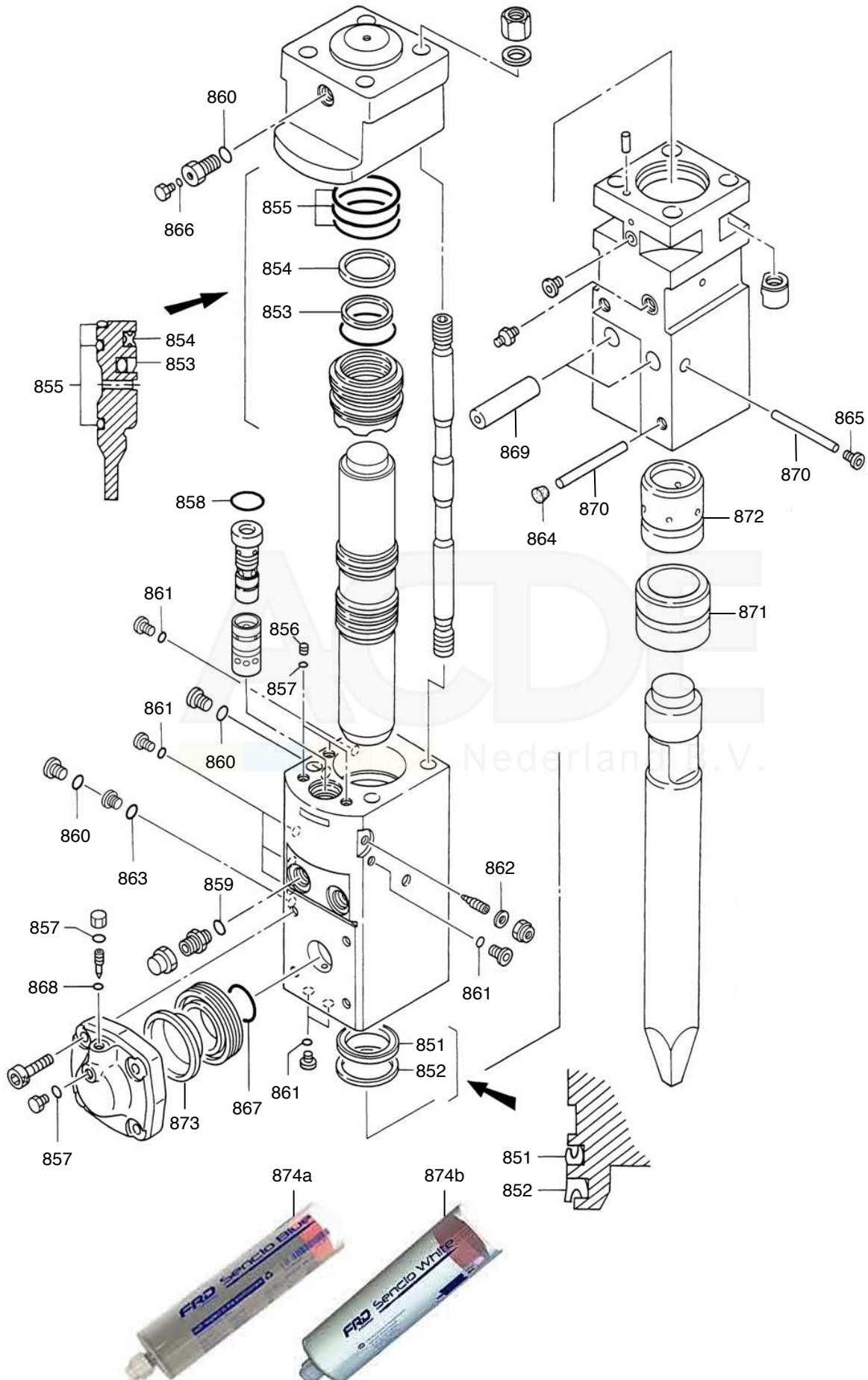


ITEM	PART NO.	PART NAME	Q'TY	REMARKS
951	HB20G-920041 -	ACCUMULATOR CHARGING KIT NITROGEN GAS CYLINDER	1	FOR: AUSTRIA, BULGARIA,
952	1001813	CHARGING HOSE	1	CZECH REP., DENMARK,
953	K12L	CROSS	1	FINLAND, GERMANY, ICELAND,
954	H-11160	PRESSURE GAUGE	1	NETHERLANDS, NORWAY,
955	007320-90031B	ADAPTER	1	POLAND, RUSSIA (MOSCOW),
956	160011-00006	O-RING	1	SERBIA, SLOVAKIA, SWEDEN,
957	160011-00014	O-RING	1	SWITZERLAND.
958	MAVE12LR	CONNECTOR	3	
962	620201000	VALVE	1	
963	2244-02-04	CONNECTOR	1	
964	5161-02	O-RING	1	
965	5161-04	O-RING	1	
951	HB20G-920042 -	ACCUMULATOR CHARGING KIT NITROGEN GAS CYLINDER	1	FOR: GREAT BRITAIN,
952	1001813	CHARGING HOSE	1	IRELAND, MALTA,
953	K12L	CROSS	1	SOUTH AFRICA.
954	H-11160	PRESSURE GAUGE	1	
955	007320-90031B	ADAPTER	1	
956	160011-00006L	O-RING	1	
957	160011-00014	O-RING	1	
958	MAVE12LR	CONNECTOR	3	
959	A-265434	CYLINDER ADAPTER	1	
960	A-264341	DELRIN RING	1	
962	620201000	VALVE	1	
963	2244-02-04	CONNECTOR	1	
964	5161-02	O-RING	1	
965	5161-04	O-RING	1	
951	HB20G-920043 -	ACCUMULATOR CHARGING KIT NITROGEN GAS CYLINDER	1	FOR: BELGIUM, CYPRUS,
952	1001813	CHARGING HOSE	1	FRANCE, GREECE, HUNGARY,
953	K12L	CROSS	1	ITALY, PORTUGAL,
954	H-11160	PRESSURE GAUGE	1	RUSSIA (GENERAL), SPAIN,
955	007320-90031B	ADAPTER	1	UKRAINE.
956	160011-00006L	O-RING	1	
957	160011-00014	O-RING	1	
958	MAVE12LR	CONNECTOR	3	

ITEM	PART NO.	PART NAME	Q'TY	REMARKS
959	A-265412	CYLINDER ADAPTER	1	
960	A-264341	DELRIN RING	1	
961	A-264340	DELRIN RING	1	
962	620201000	VALVE	1	
963	2244-02-04	CONNECTOR	1	
964	5161-02	O-RING	1	
965	5161-04	O-RING	1	
				

ACDE
Nederland B.V.

MAINTENANCE KITS



ITEM	PART NO.	PART NAME	Q'TY	REMARKS
	F6-99000	MAINTENANCE KIT		
*	F6-92011	*SEAL KIT (ITEMS 851 ~ 868)	1	
869	F6-20106	*ROD PIN	2	
870	F6-20207	*STOP PIN	3	
871	F6-20103	*FRONT BUSH	1	
872	F6-20104	*THRUST BUSH	1	
873	007320-70104	*DIAPHRAGM	1	
874a	FGC-06713	*GREASE CARTRIDGE	1	SENCIO BLUE
	F6-99000W	MAINTENANCE KIT		
*	F6-92011	*SEAL KIT (ITEMS 851 ~ 868)	1	
869	F6-20106	*ROD PIN	2	
870	F6-20207	*STOP PIN	3	
871	F6-20103	*FRONT BUSH	1	
872	F6-20104	*THRUST BUSH	1	
873	007320-70104	*DIAPHRAGM	1	
874b	FGC-06625	*GREASE CARTRIDGE	1	SENCIO WHITE



FURUKAWA ROCK DRILL CO.,LTD.

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

Book No. : F6-D101010-0

Date of Issue : October 2016