



Medium Series Breaker

Model: CH110

Parts Manual CH-Series



Part #CHE02407

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Contact Information - CH110



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Contact your Connect Work Tools Representative or the Connect Work Tools Parts Department for replacement manuals.
Inquiries regarding the content of this manual must include the release date shown below.

Information in this manual is subject to change without advance notice.

Table 1.1 About this manual

Document ID No.	CHE02407
Type	Parts
Release Date	February 2025
Product Name	Hydraulic Breaker
Series	CH
Applicable Models	CHE
Years of Manufacture	2025 & above

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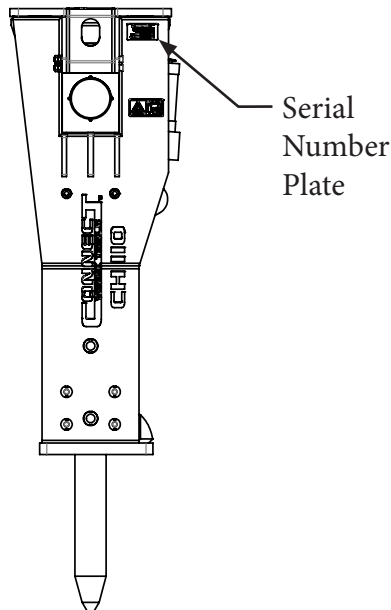
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1.0 Equipment Identification - CH110

1.1 Location of the Serial Number Decal

Models: CH110



The Serial Equipment Identification Decal is affixed to the side of the housing box. It provides the following information:

- Serial Number:
- Model Number:
- Part Number:
- Operating Pressure:
- Oil Flow:
- Carrier Relief Pressure:
- Nitrogen:

****Note:** Prior to ordering parts, it's important to confirm your model and serial number

CONNECTTM WORK TOOLS			
Serial Number:			
Model Number:			
Weight:	kg		lb
Operating Pressure:	bar		psi
Oil Flow:	l/min		gpm
Carrier Relief Pressure:	bar		psi
Nitrogen:	bar		psi

1.2 Owner's Record of the Equipment

Record the Model and Serial Number from the Serial Equipment Identification Tag to the space provided below. Indicate the date in which the Connect Work Tools equipment was placed into service.

Model CH110: CH110

Serial Number: _____

In Service Date: _____

Your Connect Work Tools representative requires this information to better assist you with questions regarding parts, warranty, operation, maintenance, or repair.

Your equipment must be registered by your local Distributor at the time of sale.

Product Registration Date: _____

2.0 Decals - CH110

All decals pictured are included in decal kits (with exception of No. 10)

2.1 Standard Decals



1. Part Number 16-00076 - Decal Warning Dust



2. Part Number 16-00077 - Decal Warning Flying Objects



3. Part Number 16-00078 - Decal Warning Read Manual



4. Part Number 16-00079 - Decal Warning Noise



5. Part Number 16-00080 - Decal Grease Point



6. Part Number 16-00081 - Decal Warning Safe Distance



7. Part Number CHE00108 - Decal CH110



8. Part Number CHE00109 - Decal Connect Logo CH110



9. Part Number CHE00127 - Decal SN Plate (Not included in Decal Kit)



10. Part Number 16-00082 - Decal Lift Point



11. Part Number CHE00111 - Decal Warning Nitrogen (N²)

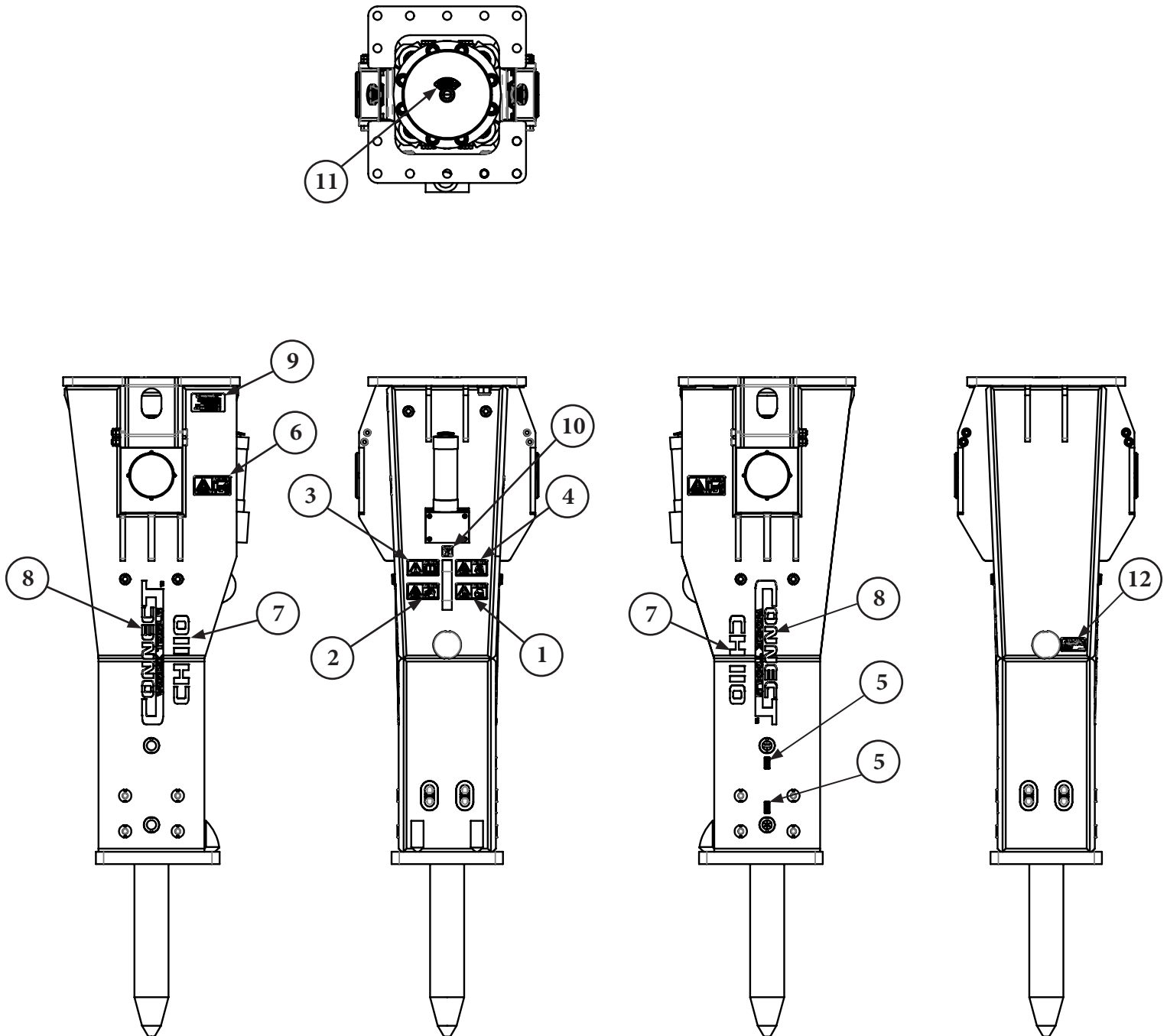


12. Part Number CHE00596 - Decal Warning Anti-Blank Fire (CH100 Model only)

Part Number CHE00160 - Decal Kit for CH110

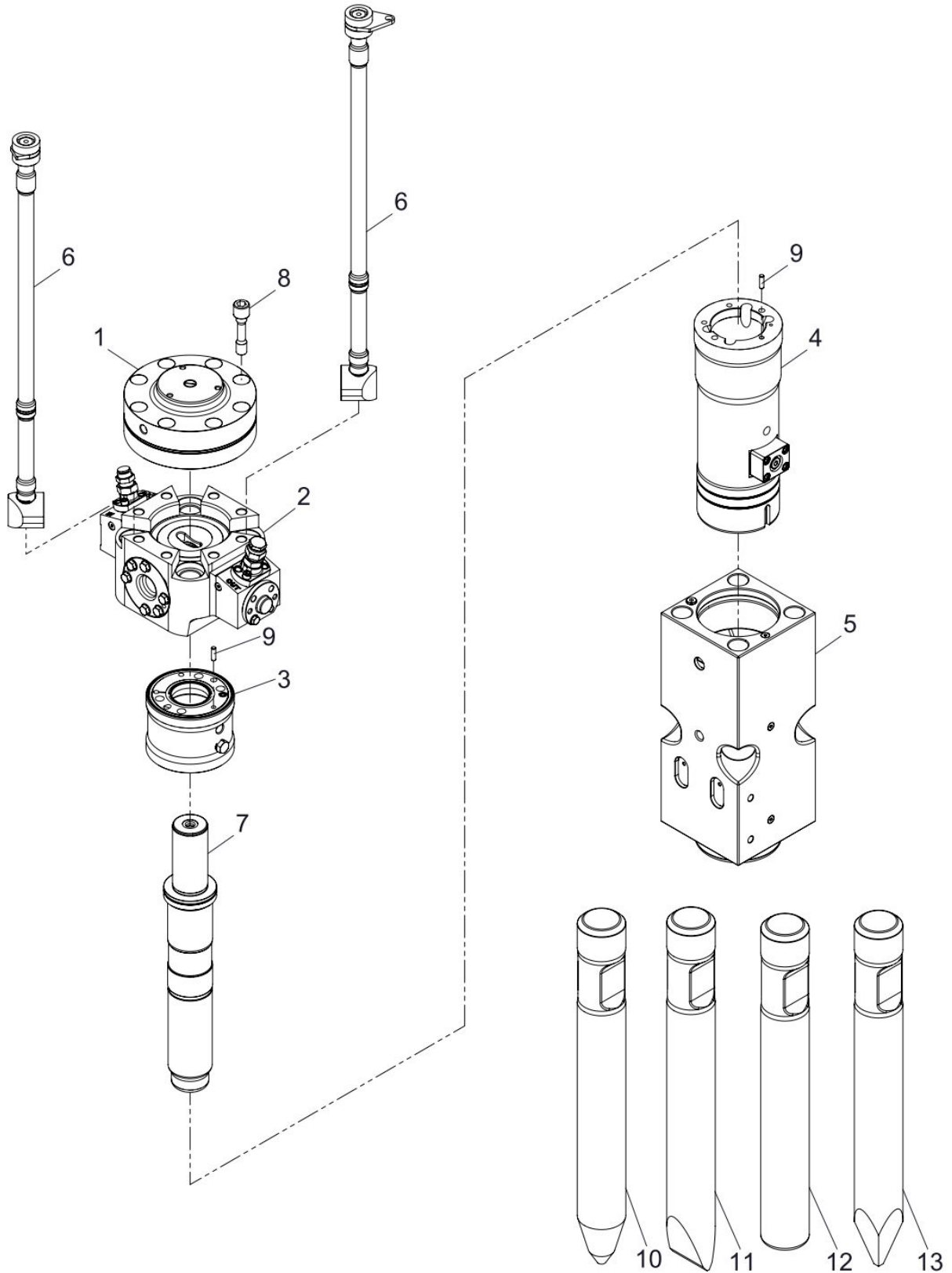
2.0 Decals - CH110

2.2 Breaker CH110 Side-Plated Decal Placement



3.0 Hammer - CH110

3-1. Hammer

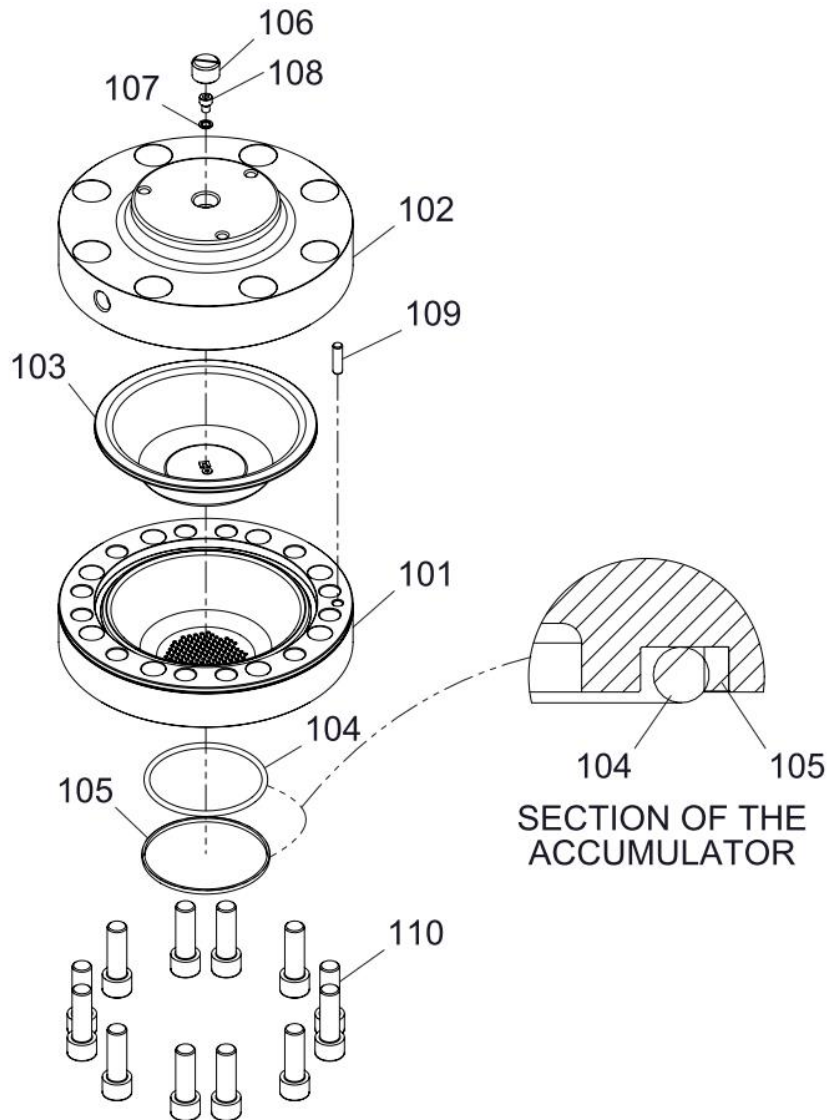


3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
	CHB5202	HAMMER TOTAL ASSY	1	
1	CHB160601A	ACCUMULATOR SUB ASSY	1	
2	CHB160602A	VALVE HOUSING SUB ASSY	1	
3	CHB1506750	SEAL HOUSING SUB ASSY	1	
4	CHB160604B	CYLINDER SUB ASSY	1	
5	CHB160605A	FRONT HEAD SUB ASSY	1	
6	CHB1506130K	SIDE ROD SUB ASSY	4	
7	CHB1606050	PISTON	1	
8	CHB1506100	ACCUMULATOR COVER BOLT	8	
9	CHB4006370	GUIDE PIN	2	
10	CHB1506380	TOOL – CONE	1	OPTION
11	CHB1506390	TOOL – CHISEL	1	OPTION
12	CHB1506400	TOOL – BLUNT	1	OPTION
13	CHB1506620	TOOL – MOIL	1	OPTION
	CHB1607500	SEAL KIT		

3.0 Hammer - CH110

3-2. Accumulator Sub Assembly

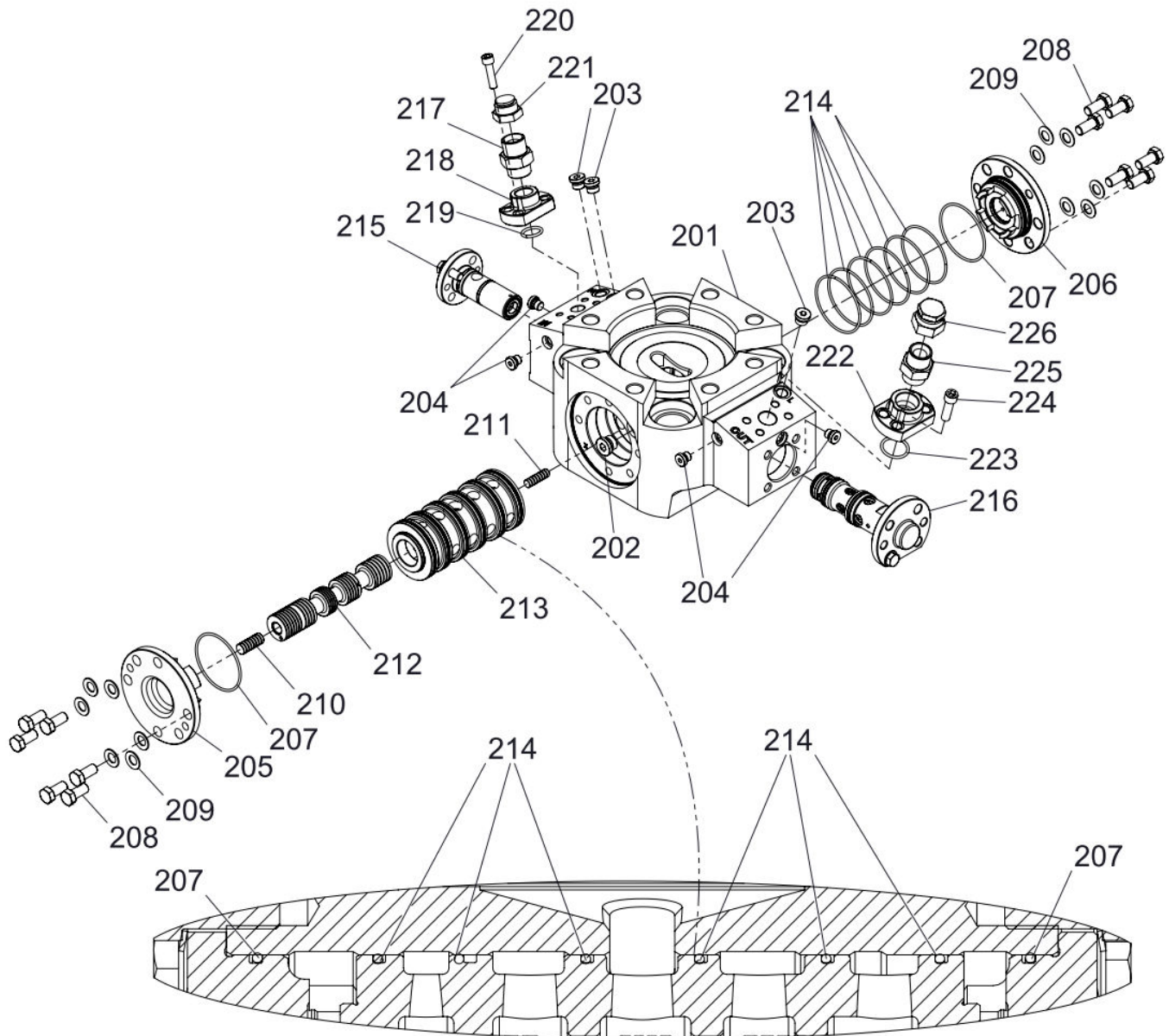


3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
1	CHB160601A	ACCUMULATOR SUB ASSY	1	
101	CHB160603A	ACCUMULATOR BOTTOM	1	
102	CHB1506020	ACCUMULATOR COVER	1	
103	CHB150704U	MEMBRANE	1	
104	CHB1507270	O-RING	1	SEAL KIT
105	CHB1507280	BACK UP RING	1	SEAL KIT
106	CHB4007010	ACC. CAP	1	
107	CHB4007020	USIT RING	1	SEAL KIT
108	CHB4006420	ACC.GAS BOLT	1	
109	CHB4006370	GUIDE PIN	1	
110	CHSB2015060	SOCKET BOLT	12	

3.0 Hammer - CH110

3-3. Valve Housing Sub Assembly



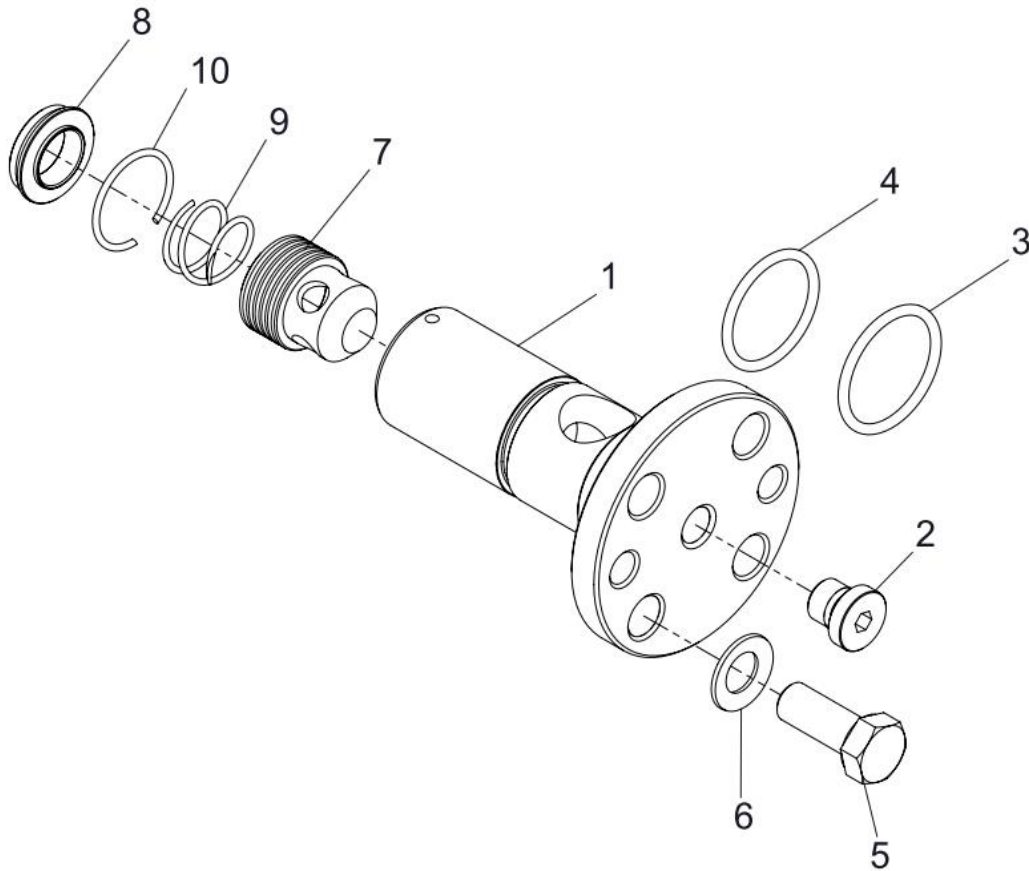
SECTION OF THE SLEEVE

3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
2	CHB160602A	VALVE HOUSING SUB ASSY	1	
201	CHB1506700	VALVE HOUSING	1	
202	CHB4006530	SOCKET PLUG	1	
203	CHB4006910	SOCKET PLUG	3	
204	CHB4006450	SOCKET PLUG	4	
205	CHB1506150	SLEEVE COVER 1	1	
206	CHB1506240	SLEEVE COVER 2	1	
207	CHB1507120	O-RING	2	SEAL KIT
208	CHHB1420030	HEX BOLT	12	
209	CHCW140000	CONICAL WASHER	12	
210	CHB2506160	SPOOL 1	1	
211	CHB1506160	SPOOL 2	1	
212	CHB1506170	MAIN SPOOL	1	
213	CHB1506180	SLEEVE	1	
214	CHB1507070	O-RING	6	SEAL KIT
215	CHB160607B	CHECK VALVE SUB ASSY	1	
216	CHB160606A	OPER VALVE SUB ASSY	1	
217	CHAPT12MJS12M	ADAPTER	1	PF3/4" - OPTION
218	CHB1506200	FLANGE	1	OPTION
219	CHB1507050	O-RING	1	OPTION
220	CHSB1015040	SOCKET BOLT	4	OPTION
221	CHCJS12F	UNION CAP	1	PF3/4"-OPTION
222	CHB4006200	FLANGE	1	OPTION
223	CHB4007050	O-RING	1	OPTION
224	CHSB1217040	SOCKET BOLT	4	OPTION
225	CHAPT16MJS16M	ADAPTER	1	PF1" - OPTION
226	CHCJS16F	UNION CAP	1	PF1"-OPTION

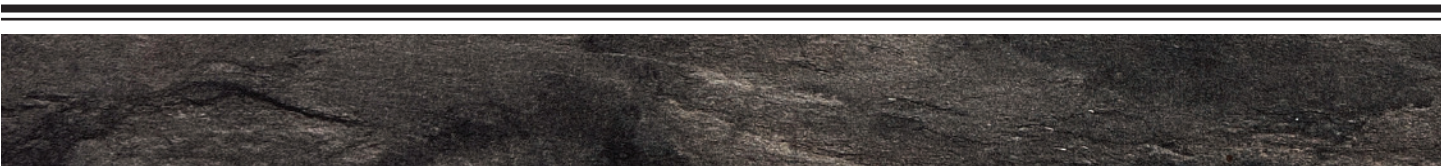
3.0 Hammer - CH110

3-3-1. Check Valve Sub Assembly



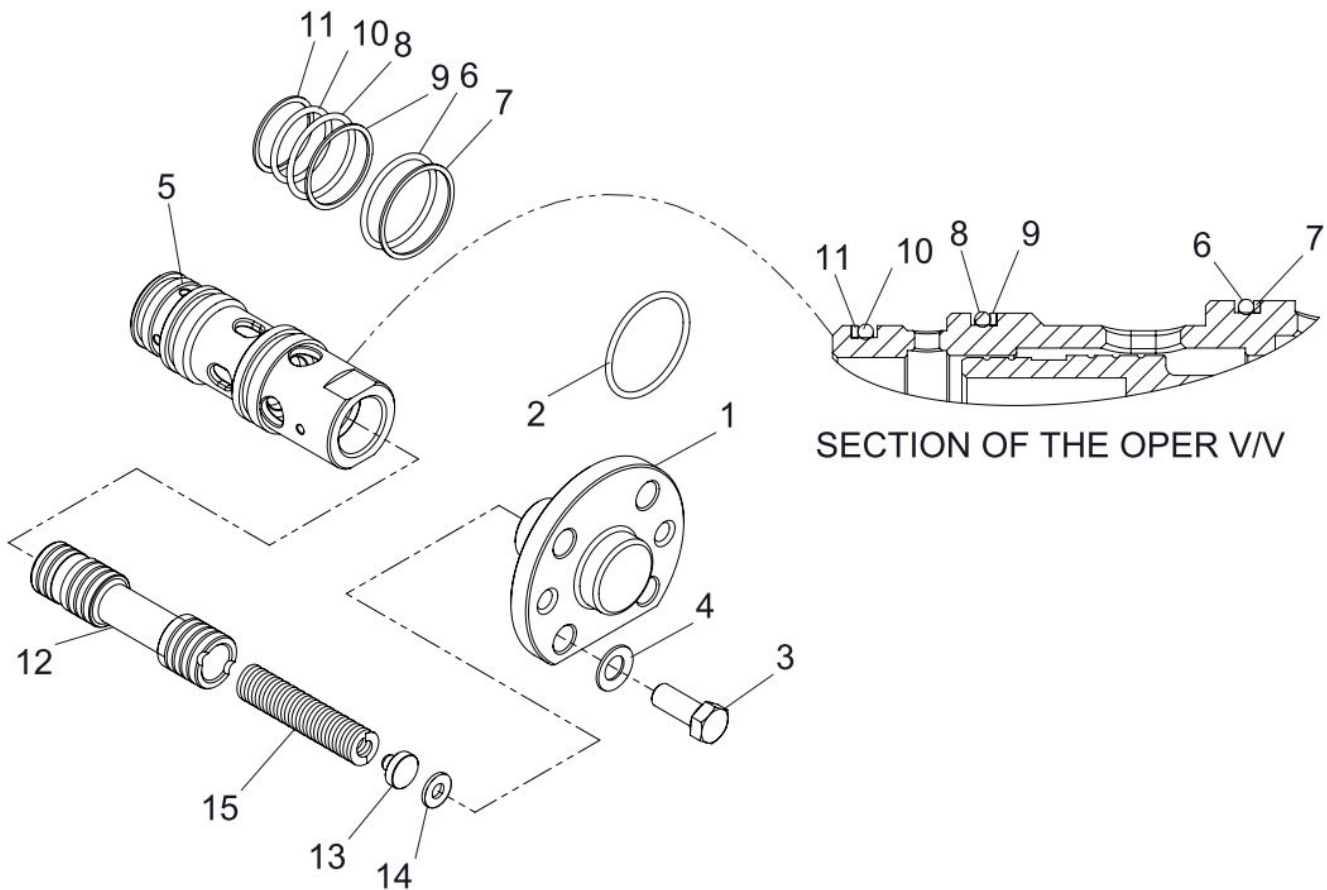
NO.	PART NO.	PART NAME	QTY	REMARK
215	CHB160607B	CHECK VALVE SUB ASSY	1	
1	CHB1506210	CHECK VALVE HOUSING	1	
2	CHB4006450	SOCKET PLUG	1	
3	CHB2507290	O-RING	1	SEAL KIT
4	CHB2507300	O-RING	1	SEAL KIT
5	CHHB1217030	HEX BOLT	4	
6	CHCW120000	CONICAL WASHER	4	
7	CHB2506220	CHECK VALVE SPOOL	1	
8	CHB2506230	CHECK V/V SPRING GUIDE	1	
9	CHB2506480	CHECK VALVE SPRING GUIDE	1	
10	CHB2506490	LOCK RING	1	

Notes

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3.0 Hammer - CH110

3-3-2. Oper. Valve Sub Assembly

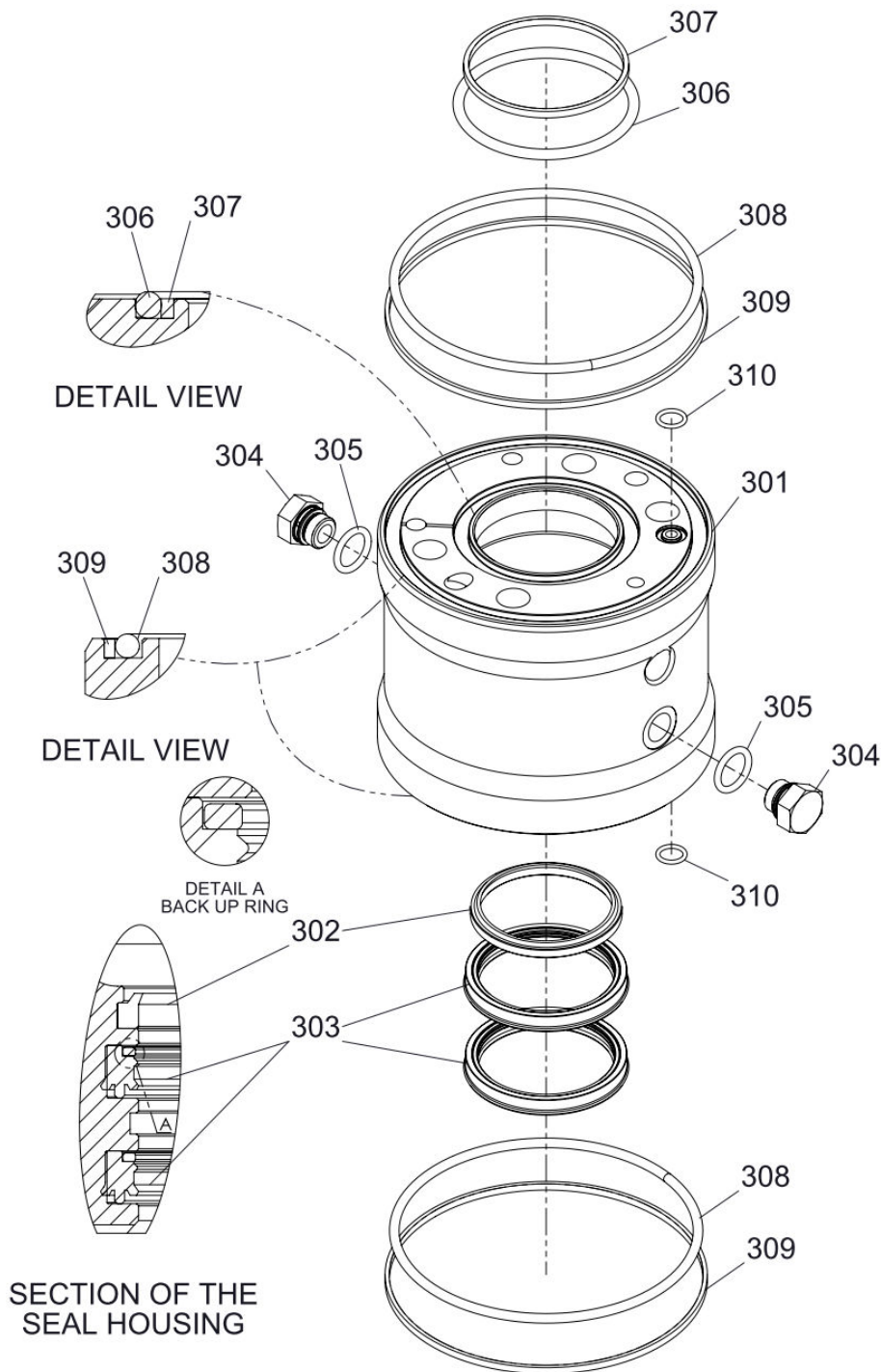


3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
216	CHB160606A	OPER VALVE SUB ASSY	1	
1	CHB1506300	OPER. VALVE COVER	1	
2	CHB2507200	O-RING	1	SEAL KIT
3	CHHB1217030	HEX. BOLT	4	
4	CHCW120000	CONICAL WASHER	4	
5	CHB1506260	OPER. VALVE GUIDE	1	
6	CHB2507190	O-RING	1	SEAL KIT
7	CHB2507350	BACK UP RING	1	SEAL KIT
8	CHB1507200	O-RING	1	SEAL KIT
9	CHB1507360	BACK UP RING	1	SEAL KIT
10	CHB2507290	O-RING	1	SEAL KIT
11	CHB1507350	BACK UP RING	1	SEAL KIT
12	CHB1506270	OPER. VALVE SPOOL	1	
13	CHB1506280	OPER. VALVE SPRING GUIDE	1	
14	CHB1506440	OPER. VALVE SHIM PLATE	1	
15	CHB1606880	OPER. VALVE SPRING	1	

3.0 Hammer - CH110

3-4 Seal Housing Sub Assembly

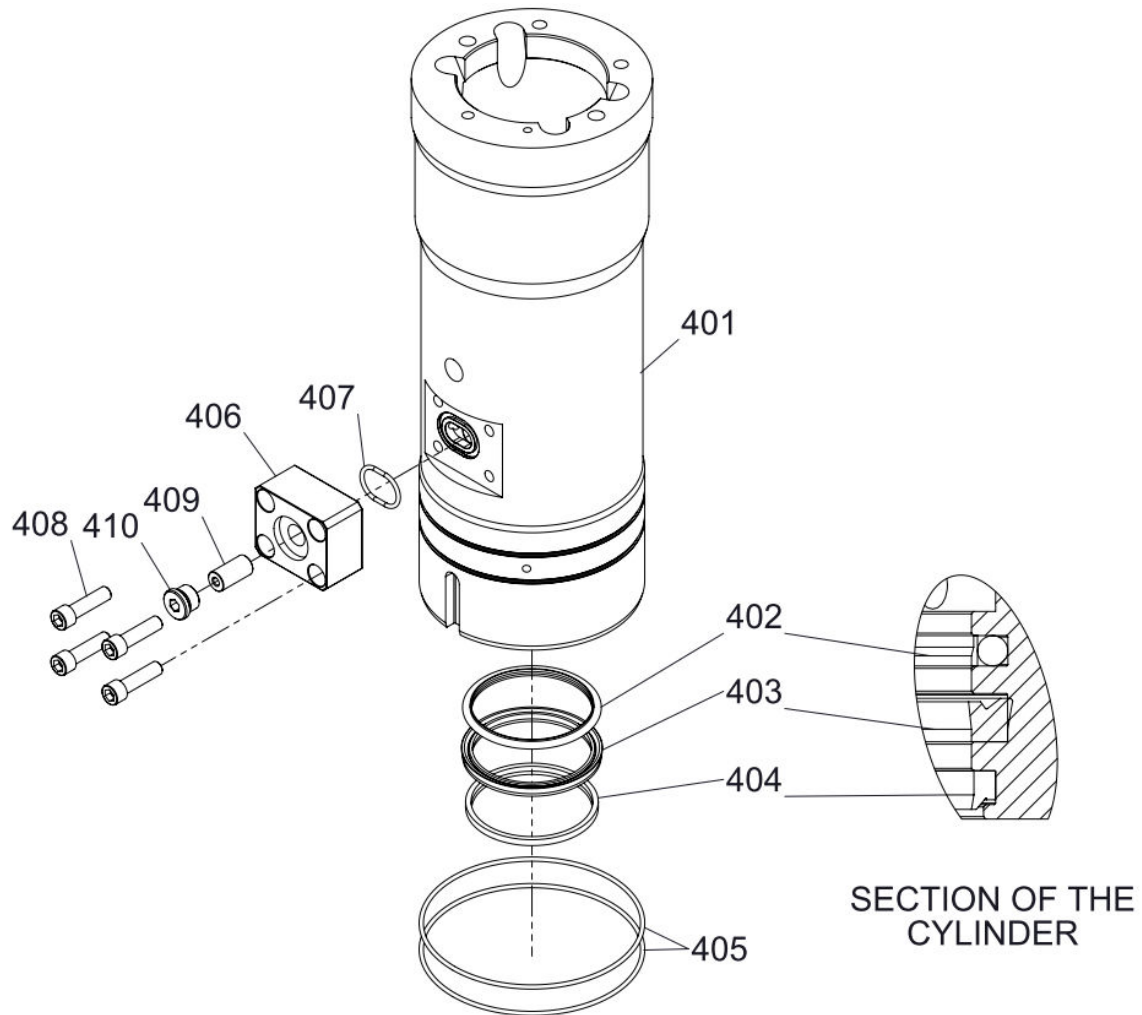


3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
3	CHB1506750	SEAL HOUSING SUB ASSY	1	
301	CHB1506710	SEAL HOUSING	1	
302	CHB1507140	WIPER	1	SEAL KIT
303	CHB1507150	SEAL	2	SEAL KIT
304	CHB2006870	AIR VENT PLUG	2	
305	CHB0407150	O-RING	2	SEAL KIT
306	CHB1507080	O-RING	1	SEAL KIT
307	CHB1507090	BACK-UP RING	1	SEAL KIT
308	CHB1507100	O-RING	2	SEAL KIT
309	CHB1507110	BACK-UP RING	2	SEAL KIT
310	CHB1807310	O-RING	2	SEAL KIT

3.0 Hammer - CH110

3-5. Cylinder Sub Assembly

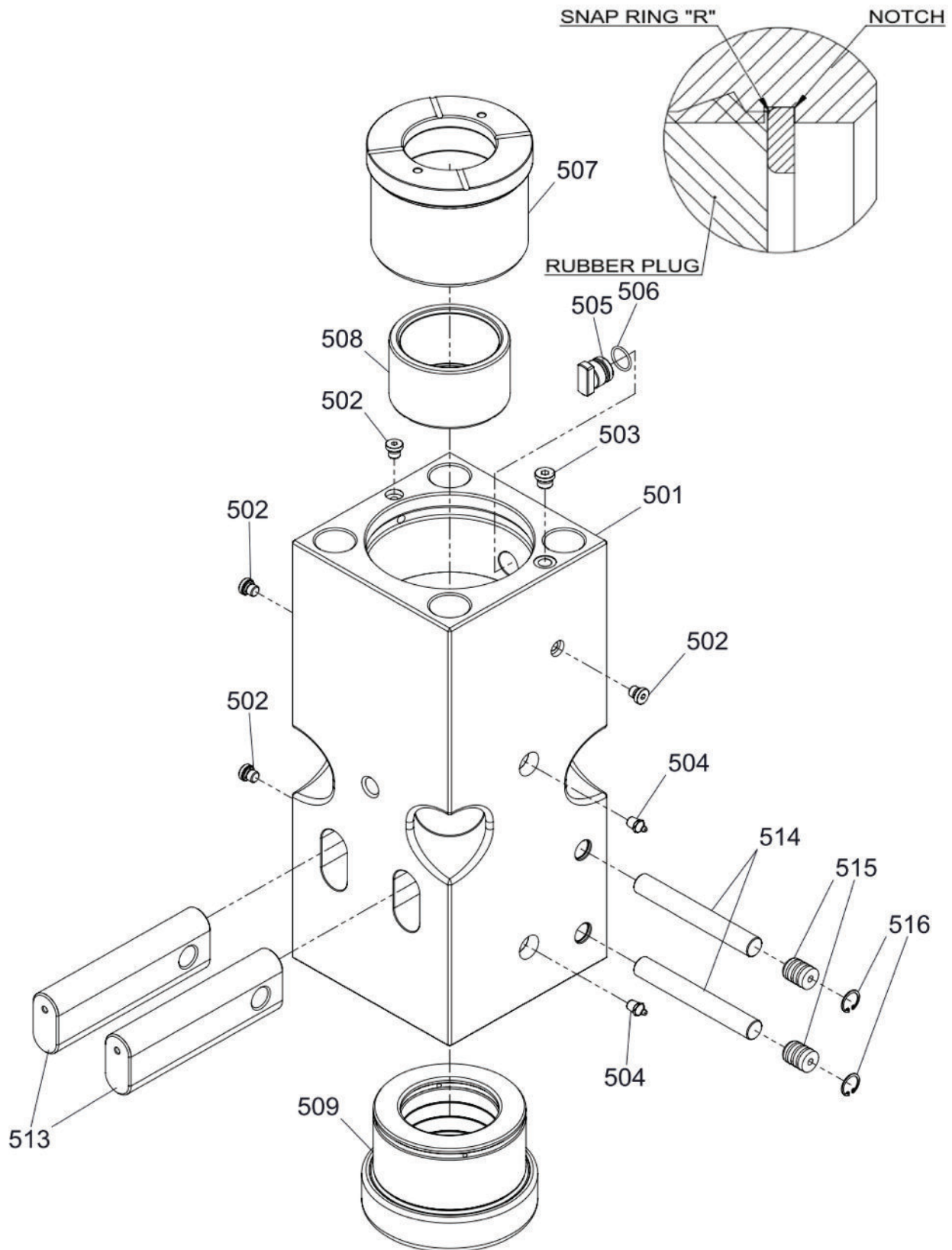


3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
4	CHB160604B	CYLINDER SUB ASSY	1	
401	CHB1606750	CYLINDER	1	
402	CHB1607370	STEP SEAL	1	SEAL KIT
403	CHB1607380	U-PACKING	1	SEAL KIT
404	CHB1607390	U-PACKING	1	SEAL KIT
405	CHB1507130	O-RING	2	SEAL KIT
406	CHB2806360	STOP VALVE	1	
407	CHA3206550	O-RING	1	SEAL KIT
408	CHSB1217045	SOCKET BOLT	4	
409	CHB1406790	ASO PIN	1	
410	CHA1206780	METRIC HOLLOW HEX PLUG	1	

3.0 Hammer - CH110

3-6. Front Head Sub Assembly

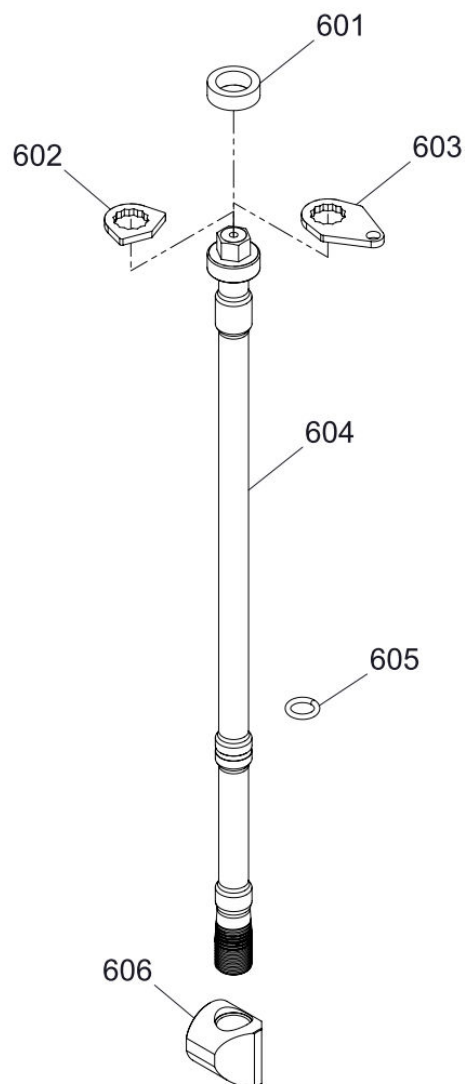


3.0 Hammer - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
5	CHB160605A	FRONT HEAD SUB ASSY	1	
501	CHB1606740	FRONT HEAD	1	
502	CHB4006450	SOCKET PLUG	1	
503	CHB4006910	SOCKET PLUG	1	
504	CHB4006560	GREASE NIPPLE	1	
505	CHB4006330	WEDGE	1	
506	CHB4007260	O-RING	1	PART OF SEAL KIT
507	CHB1506730	THRUST RING	1	
508	CHB1506080	UPPER BUSHING		
509	CHB1506840	TOOL BUSHING		
513	CHB1506340	TOOL PIN		
514	CHB1506350	BUSHING PIN		
515	CHB1806580	RUBBER PLUG		
516	CHB1806570	SNAP RING		

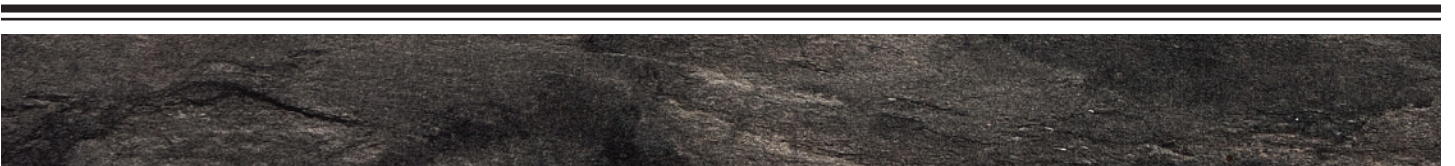
3.0 Hammer - CH110

3-7. Side Rod Sub Assembly



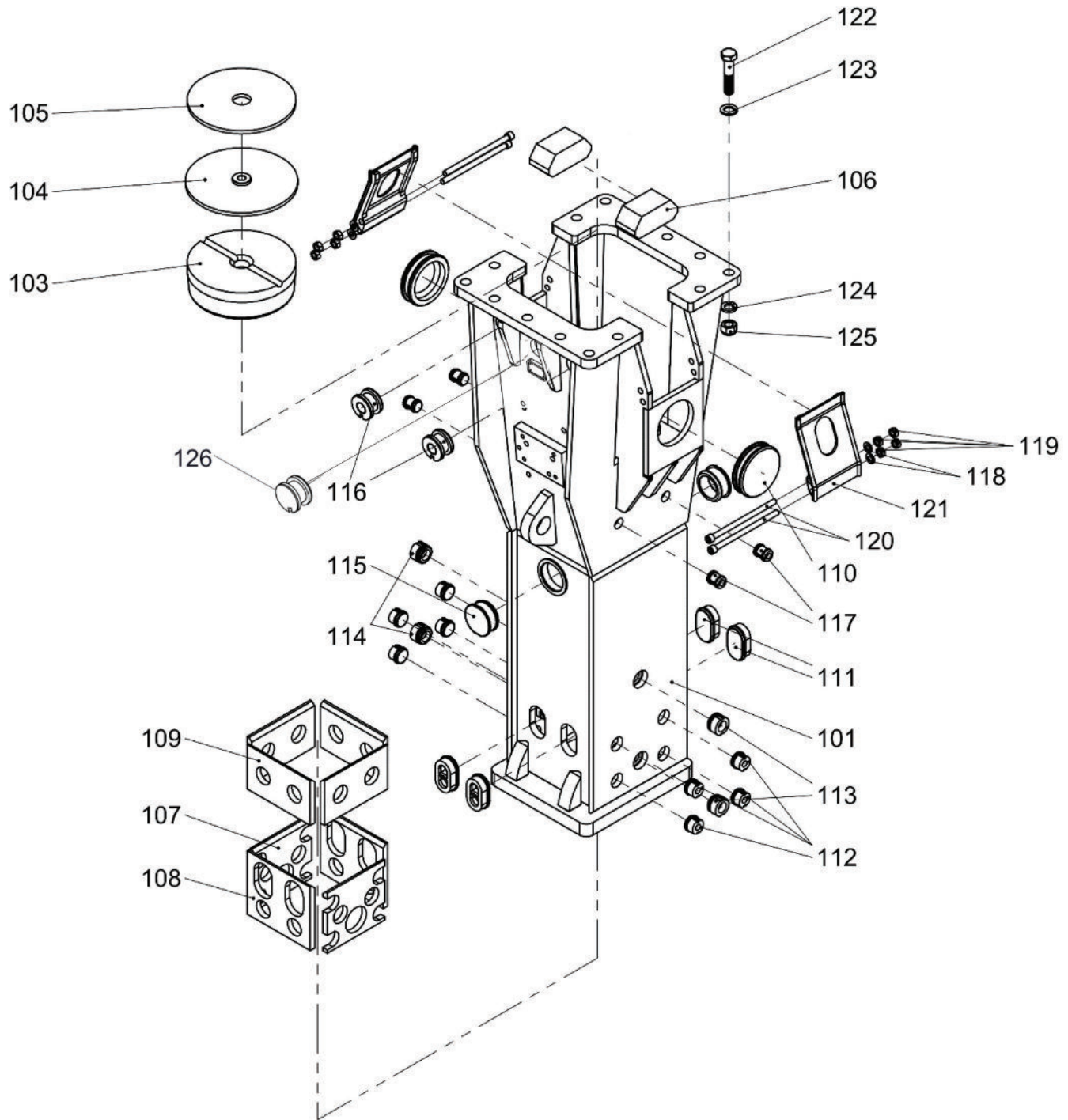
NO.	PART NO.	PART NAME	QTY	REMARK
6	CHB1506130K	SIDE ROD SUB ASSY	4	
601	CHB1507030	RUBBER RING	1	
602	CHB1506110	LOCK WASHER	1	3 of 4
603	CHB1506120	LOCK WASHER	1	1 of 4
604	CHB1506130	SIDE ROD	1	
605	CHB1507250	O-RING	1	PART OF SEAL KIT
606	CHB1506140	SIDE ROD NUT	1	

Notes

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4.0 Housing - CH110

4-1. Box Housing

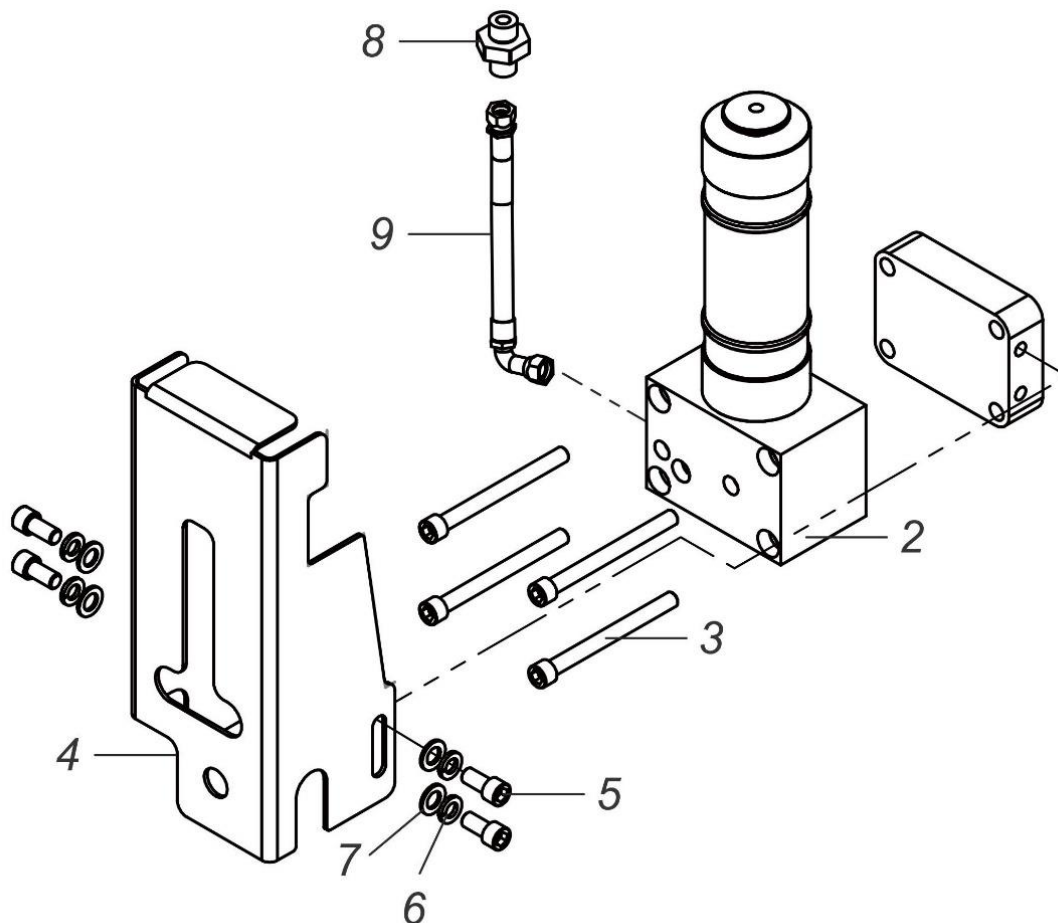


4.0 Housing - CH110

NO.	PART NO.	PART NAME	QTY	REMARK
	CHB1603200	HOUSING TOTAL ASSY	1	
101	CHB1603210	HOUSING WELD ASSY	1	
103	CHB1500080	TOP BUFFER	1	
104	CHB1500070	TOP PLATE ASSY	1	
105	CHB1500060	TOP WEARING PLATE	1	
106	CHB1500090	SIDE BUFFER	2	
107	CHB1600050	WEARING PLATE	2	
108	CHB1500040	WEARING PLATE	2	
109	CHB1500030	WEARING PLATE	4	
110	CHB1500100	RUBBER	2	
111	CHB1800110	RUBBER PLUG	4	
112	CHB1800130	RUBBER PLUG	8	
113	CHB3200040	RUBBER GREASE	2	
114	CHB3200050	RUBBER PLUG	2	
115	CHB1601460	RUBBER PLUG	2	
116	CHB400W27A	RUBBER PLUG	2	
117	CHB3000140	RUBBER PLUG	4	
118	CHPW140000	PLAIN WASHER	4	
119	CHHN142000	HEX NUT	8	
120	CHSB1420230	SOCKET BOLT	4	
121	CHB1500150	PORT COVER	2	
122	CHHB2430110	HEX BOLT	14	
123	CHPW240000	PLAIN WASHER	28	
124	CHSW240000	SPRING WASHER	14	
125	CHNN243000	NYLON NUT	14	
126	CHB400W270	RUBBER PLUG	2	

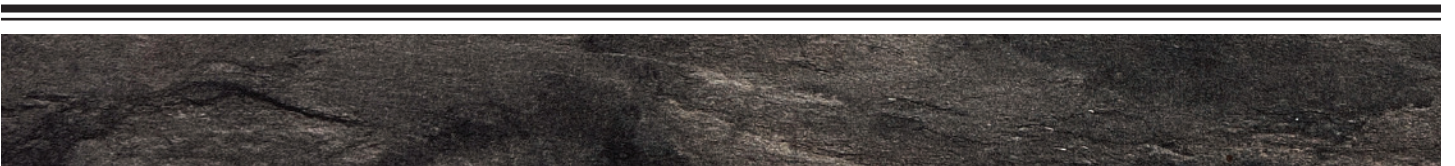
5.0 Auto Grease Pump Option - CH110

5-1. Refill Up Type

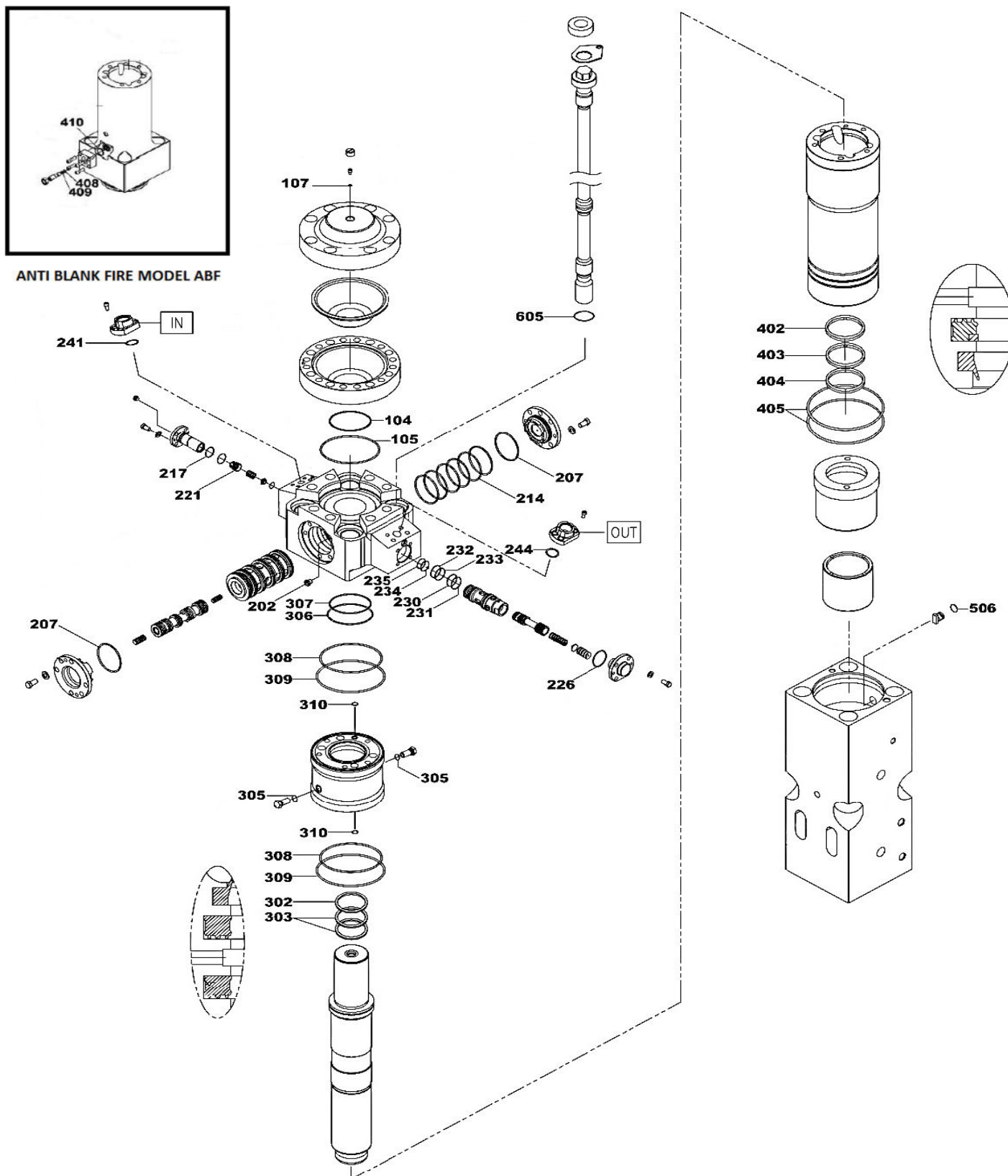


NO.	PART NO.	PART NAME	QTY	REMARK
	CHPHRU	AUTO GREASE PUMP SET	1	
1	CHB2003550	PLATE	1	
2	CHAGRU	PUMP	1	
3	CHSB1217140	SOCKET BOLT	4	
4	CHA2001570	COVER	1	
5	CHHB1217020	SOCKET BOLT	4	
6	CHSW120000	SPRING WASHER	4	
7	CHPW120000	PLAIN WASHER	4	
8	-	ADAPTER	1	
9	-	HOSE	1	

Notes

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6.0 Seal Kit - CH110

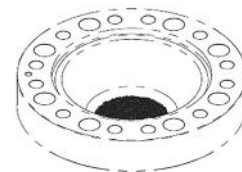
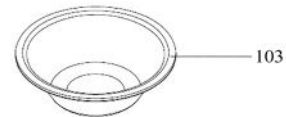
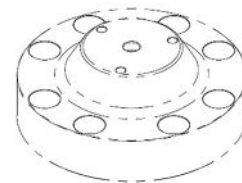
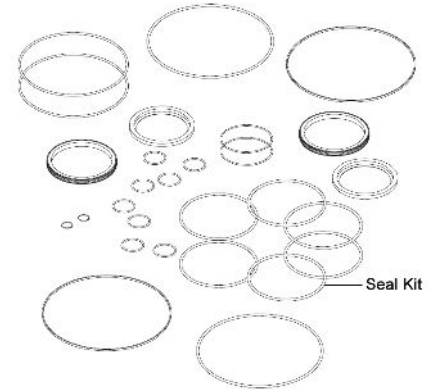
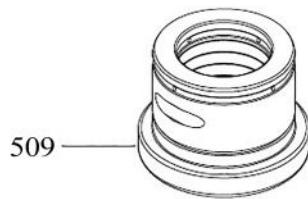
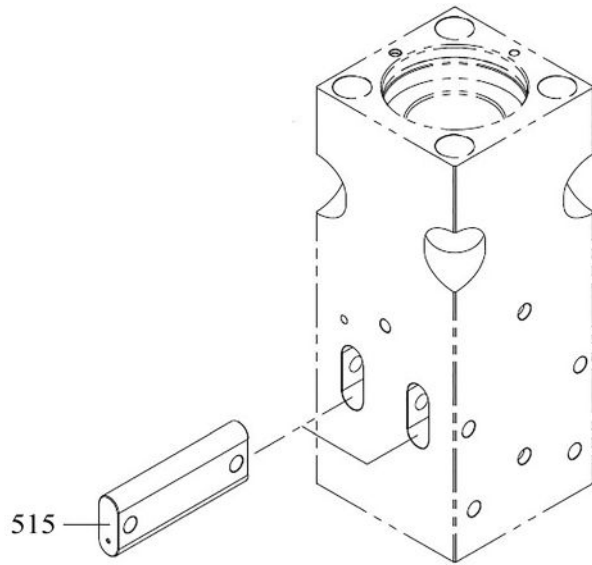


6.0 Seal Kit - CH110

Item	Illustration	QTY	Description	Part Number	Assembly Area
1		1	SEAL KIT	CHB1607500HX	
2	241	1	O - RING	CHB1507050	FLANGE (IN)
3	244	1	O - RING	CHB4007050	FLANGE (OUT)
4	214	6	O - RING	CHB1507070	SLEEVE
5	306	1	O - RING	CHB1507080	SEAL HOUSING
6	307	1	BACK UP RING	CHB1507090	SEAL HOUSING
7	308	2	O - RING	CHB1507100	SEAL HOUSING
8	309	2	BACK UP RING	CHB1507110	SEAL HOUSING
9	207	2	O - RING	CHB1507120	SLEEVE COVER 1,2
10	405	2	O - RING	CHB1507130	CYLINDER
11	302	1	WIPER	CHB1507140	SEAL HOUSING
12	303	2	SEAL	CHB1507150	SEAL HOUSING
13	217/234	2	O - RING	CHB2507290	V/V GUIDE
14	232	1	O - RING	CHB1507200	V/V GUIDE
15	230	1	O - RING	CHB2507190	V/V GUIDE
16	226	1	O - RING	CHB2507200	V/V COVER
17	605	4	O - RING	CHB1507250	SIDE ROD
18	506	1	O - RING	CHB4007260	WEDGE
19	107	1	USIT RING	CHB4007020	ACC. COVER
20	104	1	O - RING	CHB1507270	ACC. BOTTOM
21	105	1	BACK UP RING	CHB1507280	ACC. BOTTOM
22	218	1	O - RING	CHB2507300	CHECK V/V HOUSING
23	310	2	O - RING	CHB1807310	SEAL HOUSING
24	235	1	BACK UP RING	CHB1507350	V/V GUIDE
25	233	1	BACK UP RING	CHB1507360	V/V GUIDE
26	231	1	BACK UP RING	CHB2507350	V/V GUIDE
27	402	1	STEP SEAL	CHB1607370	CYLINDER
28	403	1	U - PACKING	CHB1607380	CYLINDER
29	404	1	WIPER	CHB1607390	CYLINDER
30	305	2	O - RING	CHB0407150	AIR VENT PLUG
31	408	1	O - RING	CHA3206550	CYLINDER / STOP VALVE
32	409	1	O - RING	CHB1807310	CYLINDER / ADJUST BOLT
33	410	1	BACK UP RING	CHA3007160	CYLINDER / ADJUST BOLT
34	513	1	WIPER	CHB1507320	TOOL BUSHING (OPTION)

7.0 Rebuild Kit - CH110

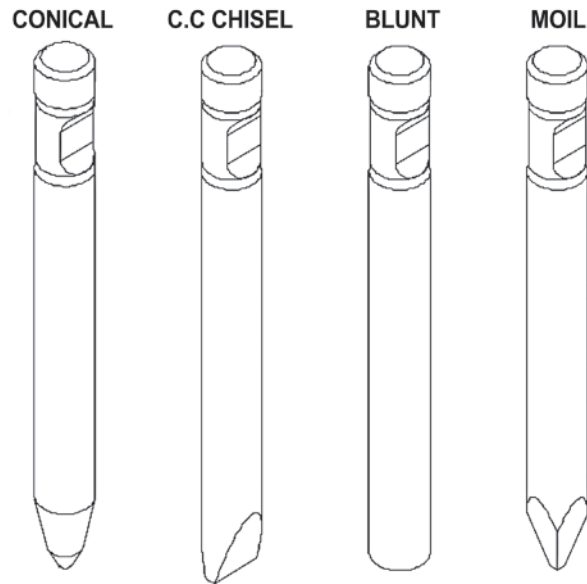
6.1 Rebuild Kits



REBUILD KIT - CH110			
ITEM	QTY	DESCRIPTION	PART NUMBER
	1	KIT	CHTKB520EXO
515	2	TOOL PIN	CHB1506340
509	1	TOOL BUSHING	CHB1506840
103	1	MEMBRANE	CHB150704A
	1	SEAL KIT	CHB1607500HX

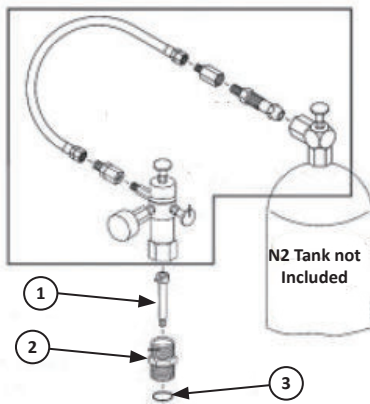
8.0 Tool Bits - CH110

7.1 Tool Bits



TOOL BITS - CH110	
TOOL TYPE	PART NUMBER
CONICAL	CHB1506380
CHISEL	CHB1506390
BLUNT	CHB1506400
MOIL	CHB1506620

9.0 Tools Nitrogen (N²) Charge Kit



NITROGEN CHARGE KIT
Part Number: CHT0006

TOOLING NITROGEN (N ₂) CHARGE KIT			
ITEM	PART NUMBER	DESCRIPTION	QTY
	CHT0006	N2 CHARGE KIT	1
1	CHBM1C60052	CHARGE TOOL SOCKET HEAD BOLT	1
2	CH1G020026	CHARGE TOOL ADAPTER	1
3	CGA2507380	O-RING	1

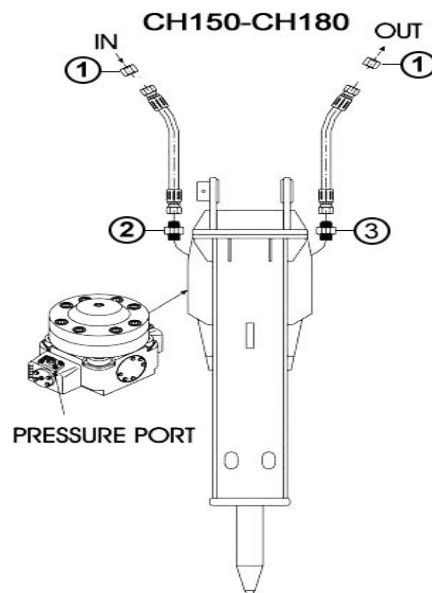
10.0 Hoses - CH110

MODEL	HOSE CHART - CH110				
	PART NUMBER	LENGTH	DIA. / PSI	FITTING 1	FITTING 2
CH110	40-02171	96"	1.00"/3000	16FJSW	16FJSW

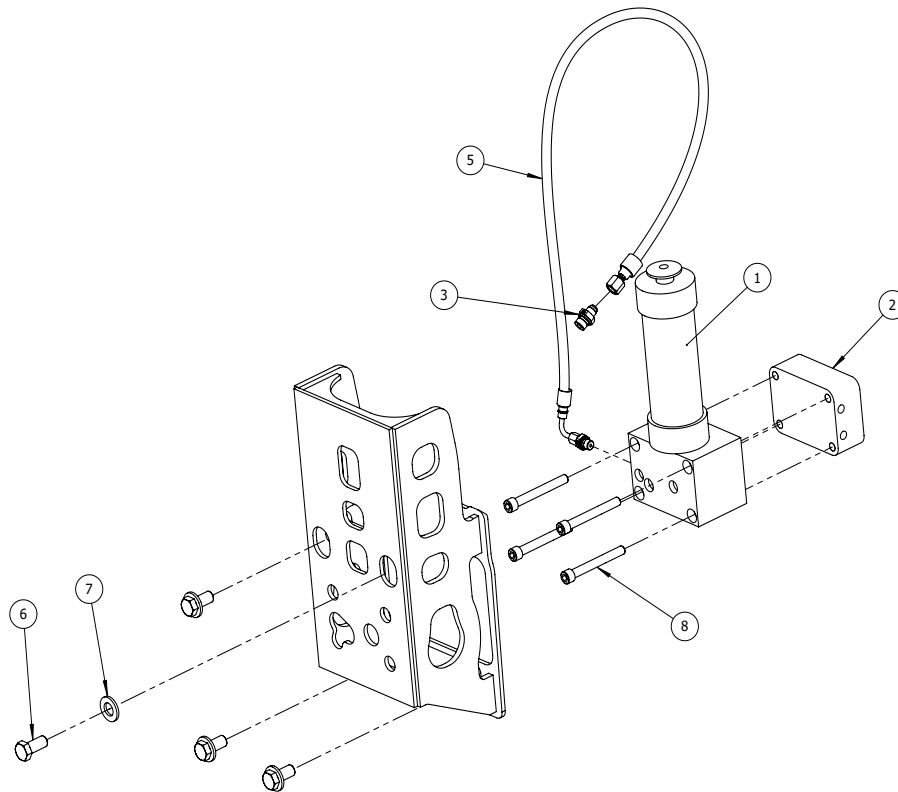
MODEL	HOSE PLUGS - CH110		
	PART NUMBER	ITEM	DESCRIPTION
CH110	CHE00199	1	Plug 16 JIC 37 Degree

MODEL	HOSE ADAPTORS - INLET BREAKER PORT				
	ADAPTOR PN #	ITEM	FLANGE	INLET ADAPTOR	HOSE / CARRIER
CH110	CHE00202	2	CHB1506660	-16 SAE ORB	-16 JIC

MODEL	HOSE ADAPTORS - OUTLET BREAKER PORT				
	ADAPTOR PN #	ITEM	FLANGE	INLET ADAPTOR	HOSE / CARRIER
CH110	CHE00202	3	CHB1506670	-16 SAE ORB	-16 JIC

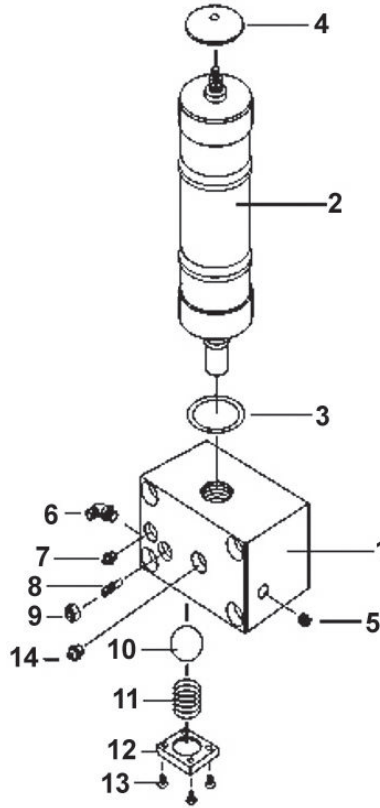


11.0 Mounted Lubricator - Medium Series - CH110



MOUNTED LUBRICATOR - CH110			
ITEM	QTY	DESCRIPTION	PN#
1	1	SHAKER GREASE PUMP	CHAGRU0500
2	1	GREASE PUMP PLATE BML WELD-ON	CHB2003550
3	2	ADAPTER	CHBHSSG102
4	1	WLDT BML LUBE GUARD	CHE01091
5	1	PLUMBING KIT BML CH120-180	CHE01743
6	4	HH CS M16 - 2.00 X 35	CHHB1620035
7	4	WASHER FLAT M18	CHPW160000
8	4	ADAPTER	CHSB1217100

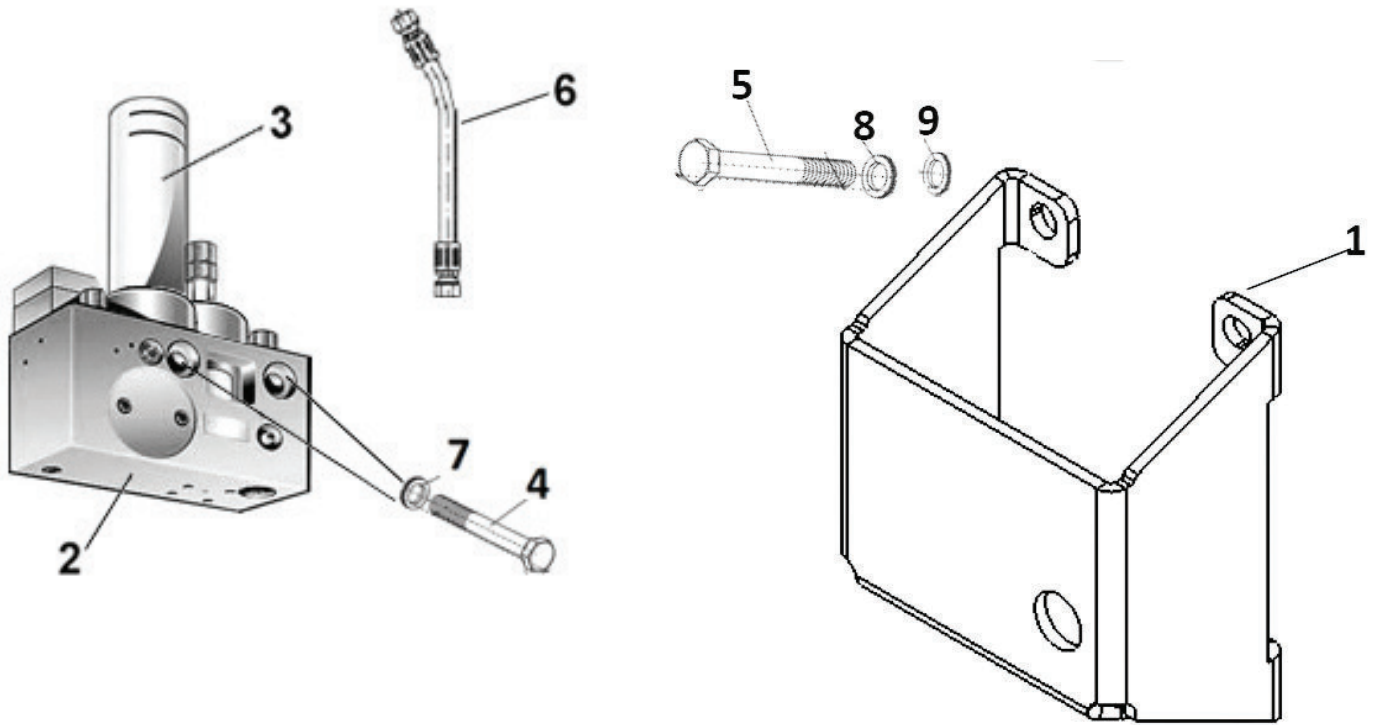
12.0 Breaker Mounted Lubricator



BREAKER MOUNTED LUBRICATOR		
ITEM	PARTS NO.	DESCRIPTION
	CHAGRU0500	PUMP
1	CHHLU-0300	11U-BODY
2	CHHL0101	RECHARGEABLE CARTRIDGE
3	CHHL0041	O-RING
4	CHHL0810	HANDLE
5	CHHL0920	PLUG
6	CHHL0360	ZERK
7	CHHNG18	ZERK -GREASE
8	CHHL0240	ADJUSTER
9	CHHNM1201	NUT
10	CHHL0350	BALL
11	CHHL0220	SPRING
12	CHHL0330	COVER
13	CHJBM0615	BOLT
14	CHHNG18	ZERK-GREASE

12.0 Breaker Mounted Lubricator

7.1 Hydraulic Mounted Lubricator

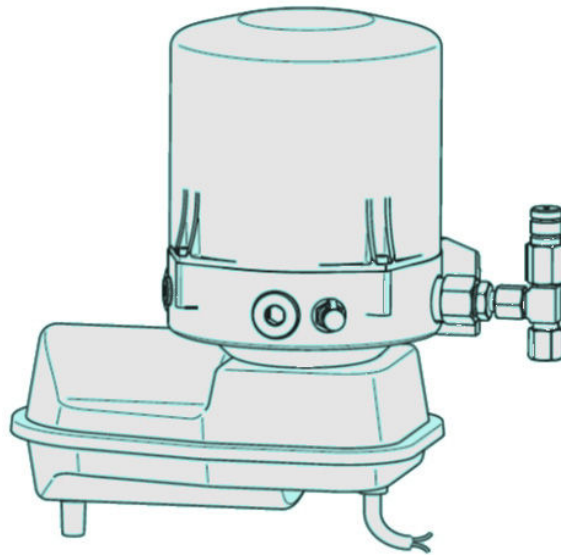


HYD MOUNTED LUBRICATOR - CH110

ITEM	QTY	DESCRIPTION	PN#
	1	KIT	CHPHBKB520
1	1	PUMP COVER	CHB6003220
2	1	PUMP ASSY	CHHAMAX2-100
*3	1	CARTRIDGE	CHE00933
4	2	HEX. BOLT	CHHB1420110
5	4	HEX. BOLT	CHHB1620035
6	3	HOSE (A/G PUMP)	CHB5005230
7	2	NORD LOCK WASHER	CHNDLW1600
8	4	PLAIN WASHER	CHPW160000
9	4	SPRING WASHER	CHSW160000

* Not sold separately - sold by the case

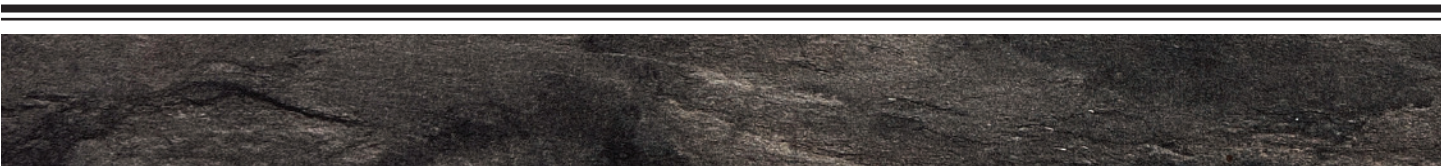
13.0 Carrier Mounted Lubricator - CH110



CARRIER MOUNTED LUBRICATOR		
MODEL	CARRIER MOUNTED LUBRICATOR KIT	PART NUMBER
CH110	SINGLE PUMP	CHE00651

Kits include hoses, fittings, relay/circuit breaker, harness, signal light and couplers

Notes

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