



(CH205 Model Pictured)

Large Series Breakers

Models
CH205

Parts Manual CH-Series



Part #CHE00167

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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.	CHE00167
Type	Parts
Release Date	June 2019
Product Name	Hydraulic Impact Breaker
Series	CH
Applicable Models	CH205
Years of Manufacture	2016 & above

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1.0 Equipment Identification

1.1 Location of the Serial Number Decal

Models: CH205

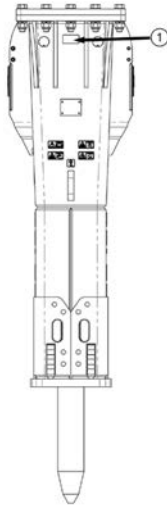


Figure 1.1 Equipment Identification

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

- Serial Number
- Model
- Part Number
- Weight
- 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	
S/N	XXXXXXXX
MODEL	CHXX (XXXXXX)
WEIGHT	KG LB
OPERATING PRESSURE	BAR PSI
OIL FLOW	L/MIN GPM
CARRIER RELIEF PRESSURE	BAR PSI
NITROGEN	BAR PSI
DECAL PART # XXXXXXX	

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 CH205: CH205

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

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 CHE00156 - Decal CH205

Example Shown: CH205



8. Part Number CHE00133 - Decal Connect Logo CH205



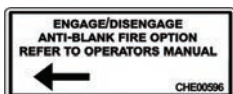
9. Part Number CHE00127 - Decal SN Plate (Not included in Decal Kit)



10. Part Number 16-00082 - Decal Lift Point



11. Part Number CHE00111 - Decal Warning Nitrogen



12. Part Number CHE00596 - Decal Warning Anti-Blank Fire

Figure 2.1 Standard Decals

2.0 Decals

2.2 Typical Breaker Decal Placement

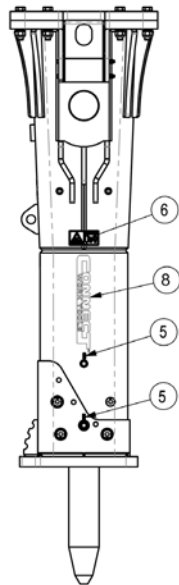


Figure 2.2-1 Decal Placement

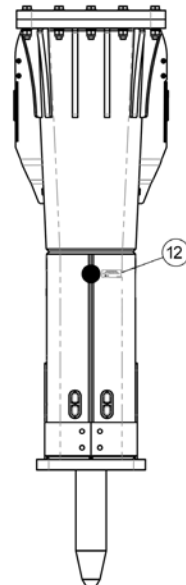


Figure 2.2-2 Decal Placement

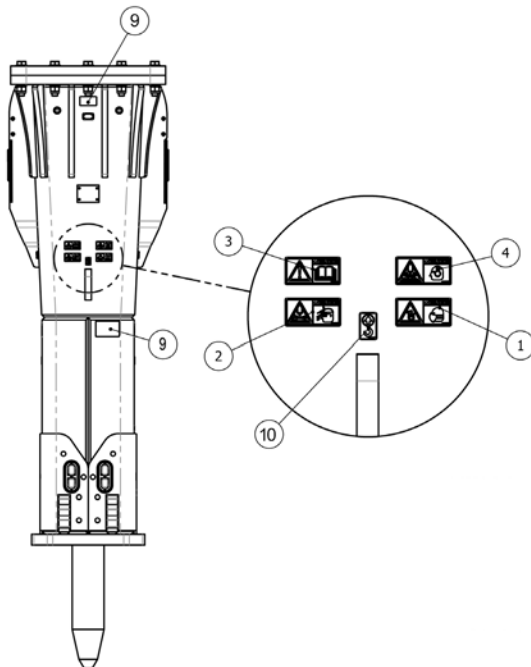


Figure 2.2-3 Decal Placement

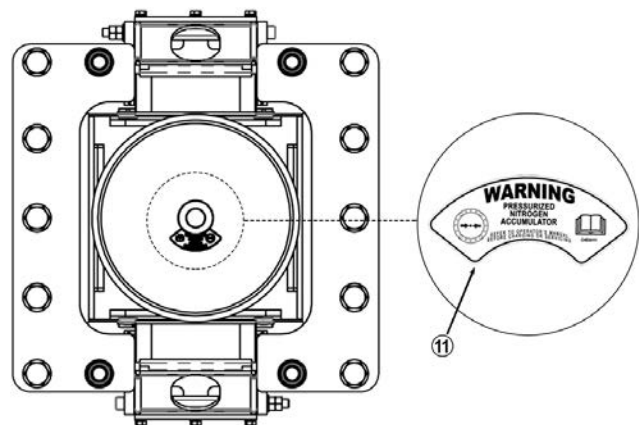


Figure 2.2-4 Decal Placement

All decals pictured are included in decal kits

PART NO.	PART NAME	QTY
CHE00157	Decal Kit CH205	1



Large Series Breakers

Models
CH205

Power Cell

3.0 CH Breakers - CH205

3.1 CH205 Power Cell

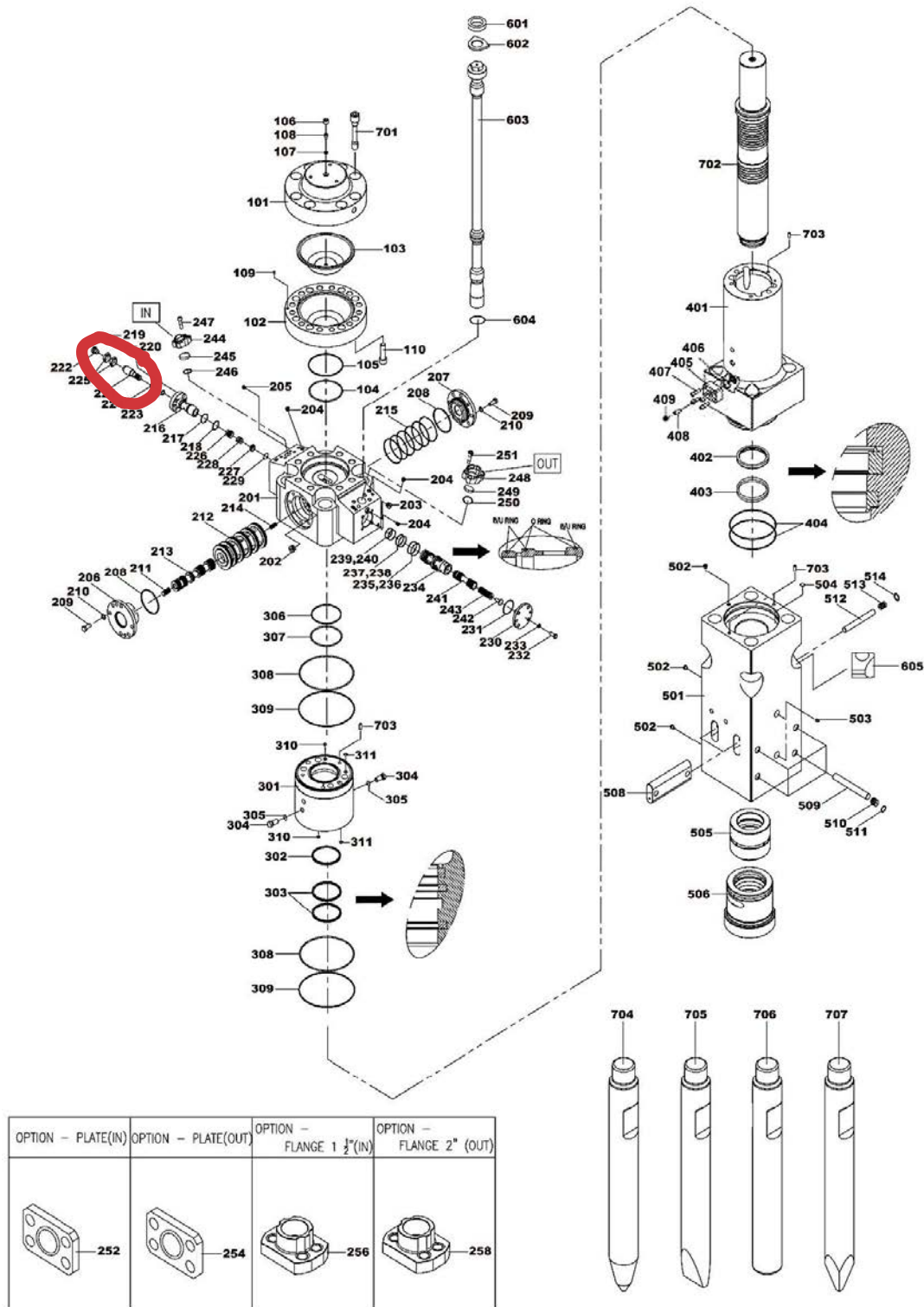


Figure 3.1 CH205 Breaker

Connect Work Tools Large Series Breaker Model CH205

3.0 CH Breakers - CH205

3.1 CH205 Power Cell Parts List

NO	PART NO.	PART NAME	QTY	ALTERNATE P/N
	CH205	CH205	1	
	CHB750601A	ACC. SUB ASSY	1	
101	CHB7501020	ACC. COVER	1	
102	CHB750103A	ACC. BOTTOM	1	CHB7501030
103	CHB750704A	MEMBRANE	1	CHB7501280
104	CHB7507180	O-RING	1	
105	CHB7507150	BACKUP RING	1	
106	CHB4007010	ACC. CAP	1	
107	CHB4007020	USIT-RING	1	
108	CHB4006420	ACC. GAS BOLT	1	
109	CHB4006370	ACC. GUIDE PIN	1	
110	CHSB3020110	ACC. BOTTOM BOLT	12	
	CHB750602A	VALVE HOUSING SUB ASSY	1	
201	CHB7501010	VALVE HOUSING	1	
202	CHB4006520	SOCKET PLUG	1	
203	CHB2506520	SOCKET PLUG	1	
204	CHB4006910	SOCKET PLUG	3	
205	CHB4006450	SOCKET PLUG	1	
206	CHB7501170	SLEEVE COVER 1	1	
207	CHB7501180	SLEEVE COVER 2	1	
208	CHB7507240	O-RING	2	
209	CHHB2015045	HEX BOLT	12	
210	CHCW200000	LOCK WASHER	12	
211	CHB7501140	SPOOL 1	1	
212	CHB7501150	SPOOL 2	1	
213	CHB7501130	MAIN SPOOL	1	
214	CHB7501160	SLEEVE	1	
215	CHB7507230	O-RING	6	
216	CHB6006910	NEEDLE VALVE HOUSING	1	

3.0 CH Breakers - CH205

3.1 CH205 Power Cell Parts List

NO	PART NO.	PART NAME	QTY	ALTERNATE P/N
217	CHB4007190	O-RING	1	
218	CHB2507200	O-RING	1	
219	CHSB1620040	SOCKET BOLT	4	
220	CHNDLW1600	NORDLOCK WASHER	4	
221	CHB6006920	NEEDLE VALVE SPOOL	1	
222	CHB4006450	SOCKET PLUG	1	
223	CHB4007260	O-RING	1	
224	CHB3206940	BACKUP-RING	1	
225	CHB6006930	NUT	2	
226	CHB4006220	CHECK VALVE SPOOL	1	
227	CHB4006230	CHECK VALVE SPRING GUIDE	1	
228	CHB4006480	CHECK VALVE SPRING	1	
229	CHB4006490	LOCK RING	1	
230	CHB7501210	OPER. VALVE COVER	1	
231	CHB1507120	O-RING	1	
232	CHHB1620040	HEX. BOLT	4	
233	CHCW160000	LOCK WASHER	4	
234	CHB7501190	OPER. VALVE GUIDE	1	
235	CHB4007240	O-RING	1	
236	CHB7507140	BACKUP RING	1	
237	CHB4007220	O-RING	1	
238	CHB6007370	BACKUP RING	1	
239	CHB4007200	O-RING	1	
240	CHB6007360	BACKUP RING	1	
241	CHB7501200	OPER. VALVE SPOOL	1	
242	CHB7501220	OPER. V/V SPRING GUIDE	1	
243	CHB7501240	OPER. VALVE SPRING	1	
244	CH5910-24	CLAMP (SAE)	2	CHB600522U
245	CHB7501380	PLATE	1	
246	CHB7507260	O-RING	1	

3.0 CH Breakers - CH205

3.1 CH205 Power Cell Parts List

NO	PART NO.	PART NAME	QTY	ALTERNATE P/N
247	CHSB1620055	SOCKET BOLT	4	
248	CH5910-32	CLAMP (SAE)	2	CHB750175U
249	CHB7501370	PLATE	1	
250	CHB7507270	O-RING	1	
251	CHSB2025065	SOCKET BOLT	4	
252	CHB7501410	PLATE	1	OPTION
253	CHB7507260	O-RING	1	OPTION
254	CHB7501400	PLATE	1	OPTION
255	CHB7507270	O-RING	1	OPTION
256	CHB600522U	FLANGE	1	CHB6006190
257	CHB6007330	O-RING	1	OPTION
258	CHB750175U	FLANGE	1	CHB7501360
259	CHB7507270	O-RING	1	OPTION
	CHB750603A	SEAL HOUSING SUB ASSY	1	
301	CHB7501040	SEAL HOUSING	1	
302	CHB7507110	WIPER	1	
303	CHB7507100	SEAL	2	
304	CHB2006870	AIR VENT PLUG	2	
305	CHB0407150	O-RING	2	
306	CHB7507190	O-RING	1	
307	CHB7507280	BACKUP RING	1	
308	CHB7507200	O-RING	2	
309	CHB7507170	BACKUP RING	2	
310	CHB4007310	O-RING	2	
311	CHB7507290	O-RING	2	
	CHB750604A	CYLINDER SUB ASSY	1	
401	CHB7501440	CYLINDER (ASO)	1	CHB7501060 (NO ASO)
402	CHB7507120	SEAL	1	

3.0 CH Breakers - CH205

3.1 CH205 Power Cell Parts List

NO	PART NO.	PART NAME	QTY	ALTERNATE P/N
403	CHB7507130	WIPER	1	
404	CHB7507210	O-RING	2	
405	CHB2806300	STOP VALVE	1	
406	CHA3206550	O-RING	1	
407	CHSB1217545	SOCKET BOLT	4	
408	CHA2036210	ASO PIN	1	
409	CHA1206780	HEX PLUG	1	
	CHB750605A	FRONT HEAD SUB ASSY	1	
501	CHB7501610	FRONT HEAD	1	
502	CHB4006450	SOCKET PLUG	3	
503	CHB4006560	GREASE NIPPLE	2	
504	CHB7507290	O-RING	1	
505	CHB7501070	UPPER BUSHING	1	
506	CHB7501310	TOOL BUSHING	1	
508	CHB7501230	TOOL PIN	2	
509	CHB7501260	BUSHING PIN	4	
510	CHB3006580	RUBBER PLUG	1	
511	CHB7501420	SNAP RING	4	
512	CHB7501270	UPPER BUSHING PIN	1	
513	CHB7501290	RUBBER PLUG	4	
514	CHB3006570	SNAP RING	1	
	CHB750606A	SIDE ROD SUB ASSY	1	
601	CHB7501300	RUBBER RING	4	
602	CHB7501120	LOCK WASHER	4	
603	CHB7501100	SIDE ROD	4	
604	CHB7507220	O-RING	4	
605	CHB7501110	SIDE ROD NUT	4	
701	CHB7501090	ACC. COVER BOLT	8	
702	CHB7501050	PISTON	1	
703	CHB4006310	GUIDE PIN	4	

****Note: For CH205 Tool Bit information, see "7.1 Tool Bits" on page 17**



Large Series Breakers

Models
CH205

Housing

4.0 Housings - CH205

4.1 CH205 Housing

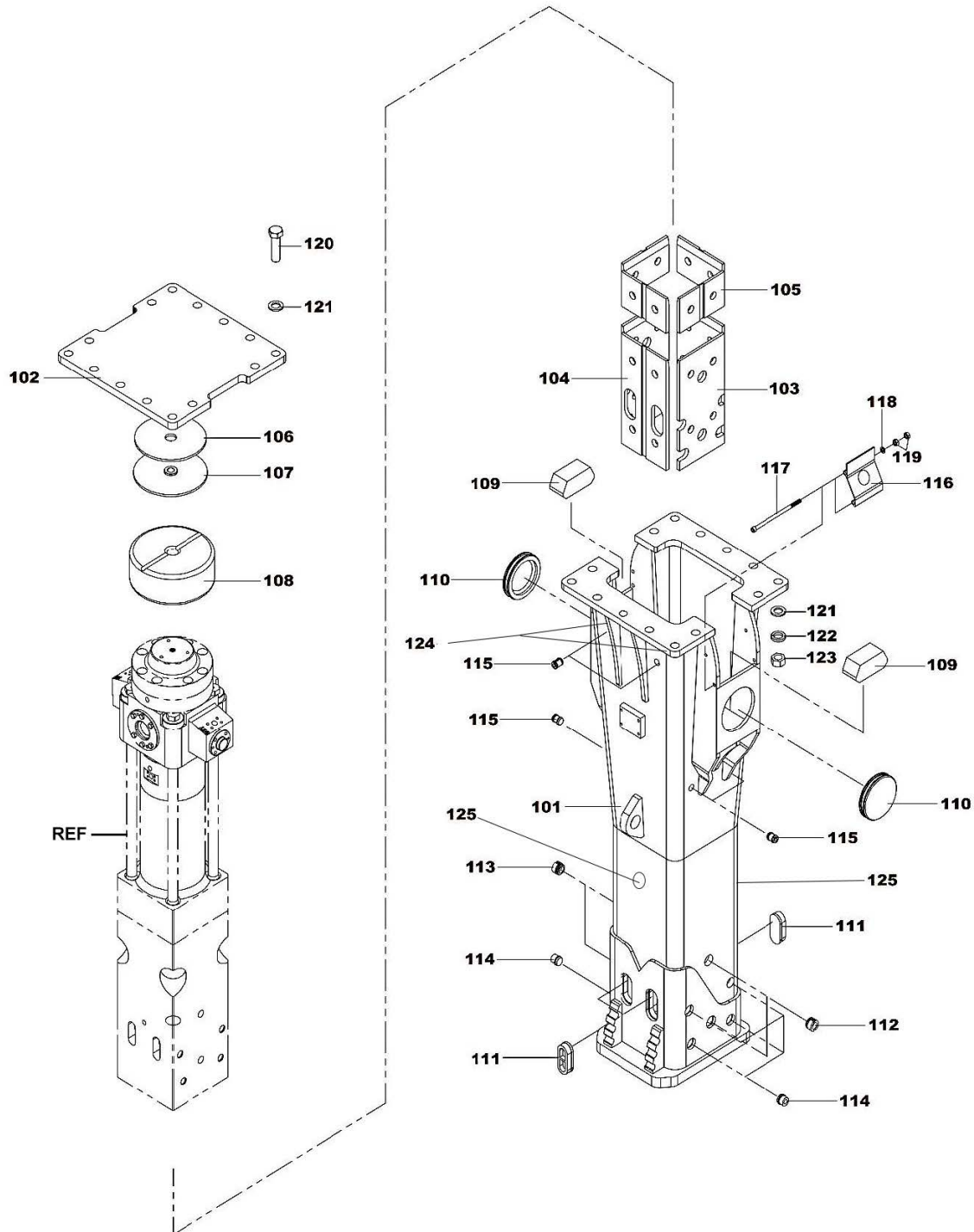


Figure 4.1 CH205 Housing

4.0 Housings - CH205

4.1 CH205 Housing Parts List

NO	PART NO.	PART NAME	QTY	ALTERNATE P/N
101	CHB7502510	CH SERIES HOUSING WELD ASSY	1	WILL NOT WORK ON AR205
102	CHE00114	MOUNTING PLATE	1	
103	CHB7502330	WEAR PLATE	2	
104	CHB7502340	WEAR PLATE	2	
105	CHB7502350	WEAR PLATE	4	
106	CHB7502240	TOP WEAR PLATE	1	
107	CHB7502250	TOP PLATE ASSY	1	
108	CHB7502280	TOP BUFFER	1	
109	CHB7502290	SIDE BUFFER	2	
110	CHB4000100	RUBBER	2	
111	CHB7502300	RUBBER	4	
112	CHB3200040	RUBBER	2	
113	CHB3200050	RUBBER	2	
114	CHB7502310	RUBBER	8	
115	CHB6000140	RUBBER	6	
116	CHB7502320	PORT COVER	2	
117	CHSB1420380	SOCKET BOLT	4	
118	CHPW140000	PLAIN WASHER	4	
119	CHHN142000	HEX. NUT	8	
120	CHHB3640200	HEX. BOLT	14	
121	CHPW360000	PLAIN WASHER	28	
122	CHSW360000	SPRING WASHER	14	
123	CHNN364000	NYLON LOCK NUT	14	
124	CHB400W27A	RUBBER PLUG	2	
125	CHB1601460	RUBBER PLUG	2	

5.0 Seal Kits

5.1 CH205 Seal Kit

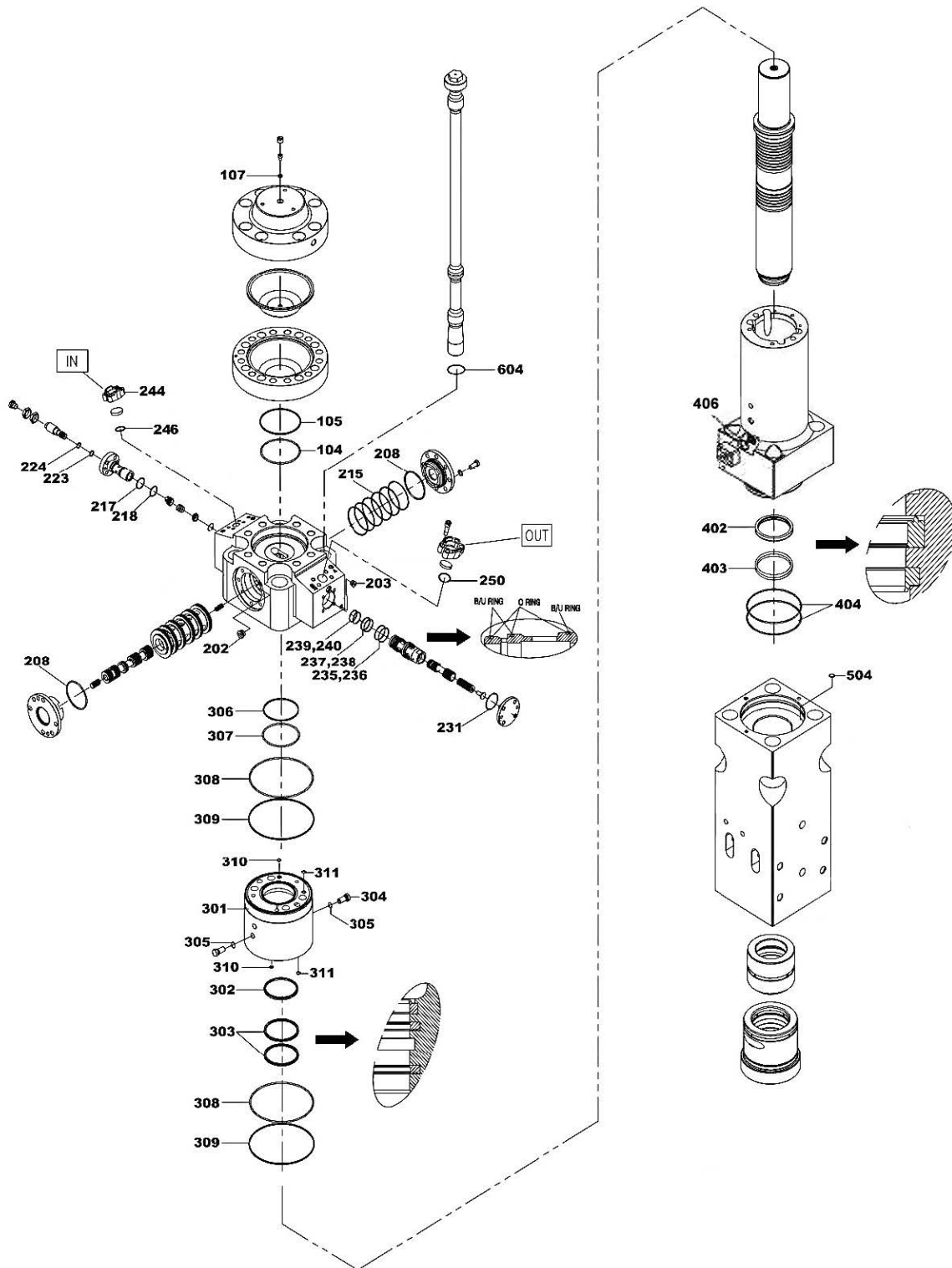


Figure 5.1 CH205 Seal Kit

Connect Work Tools Large Series Breaker Model CH205 Seal Kit

5.0 Seal Kits

5.1 CH205 Seal Kit Parts List

CH205 SEAL KIT					
Item	Illustration	QTY	Description	Part Number	Assembly Area
		1	SEAL KIT	CHB750800BHX	CHB750700B
1	604	4	O - RING	CHB7507220	SIDE ROD
2	107	1	USIT RING	CHB4007020	ACC. COVER
3	104	1	BACKUP RING	CHB7507150	ACC. BOTTOM
4	105	1	O - RING	CHB7507180	ACC. BOTTOM
5	246	1	O - RING	CHB7507260	CLAMP
6	250	1	O - RING	CHB7507270	CLAMP
7	259	2	O - RING	CHB7507240	SLEEVE COVER
8	215	6	O - RING	CHB7507230	SLEEVE
9	231	1	O - RING	CHB1507120	OPER. V/V COVER
10	236	1	BACKUP RING	CHB7507140	OPER. V/V GUIDE
11	238	1	BACKUP RING	CHB6007370	OPER. V/V GUIDE
12	240	1	BACKUP RING	CHB6007360	OPER. V/V GUIDE
13	235	1	O - RING	CHB4007240	OPER. V/V GUIDE
14	237	1	O - RING	CHB4007220	OPER. V/V GUIDE
15	239	1	O - RING	CHB4007200	OPER. V/V GUIDE
16	217	1	O - RING	CHB4007190	NEEDLE V/V
17	218	1	O - RING	CHB2507200	NEEDLE V/V
18	224	1	BACKUP RING	CHB3206940	NEEDLE V/V
19	223	1	O - RING	CHB4007260	NEEDLE V/V
20	307	1	BACKUP RING	CHB7507280	SEAL HOUSING
21	306	1	O - RING	CHB7507190	SEAL HOUSING
22	311 & 504	3	O - RING	CHB7507290	SEAL HOUSING, FRONT HEAD
23	310	2	O - RING	CHB4007310	SEAL HOUSING
24	308	2	O - RING	CHB7507200	SEAL HOUSING
25	309	2	BACKUP RING	CHB7507170	SEAL HOUSING
26	302	1	WIPER	CHB7507110	SEAL HOUSING
27	303	2	SEAL	CHB7507100	SEAL HOUSING
28	404	2	O - RING	CHB7507210	CYLINDER
29	402	1	SEAL	CHB7507120	CYLINDER
30	403	1	WIPER	CHB7507130	CYLINDER
31	305	2	O - RING	CHB0407150	AIR VENT PLUG
32	406	1	O-RING	CHA3206550	CYLINDER / STOP VALVE
33	409	1	O-RING	CHB1807310	CYLINDER / ADJUST BOLT
34	410	1	BACKUP RING	CHA3007160	CYLINDER / ADJUST BOLT
35	257	1	O-RING	CHB6007330	FLANGE

Connect Work Tools Large Series Breaker Model CH205 Seal Kit

6.0 Rebuild Kits

6.1 Rebuild Kits

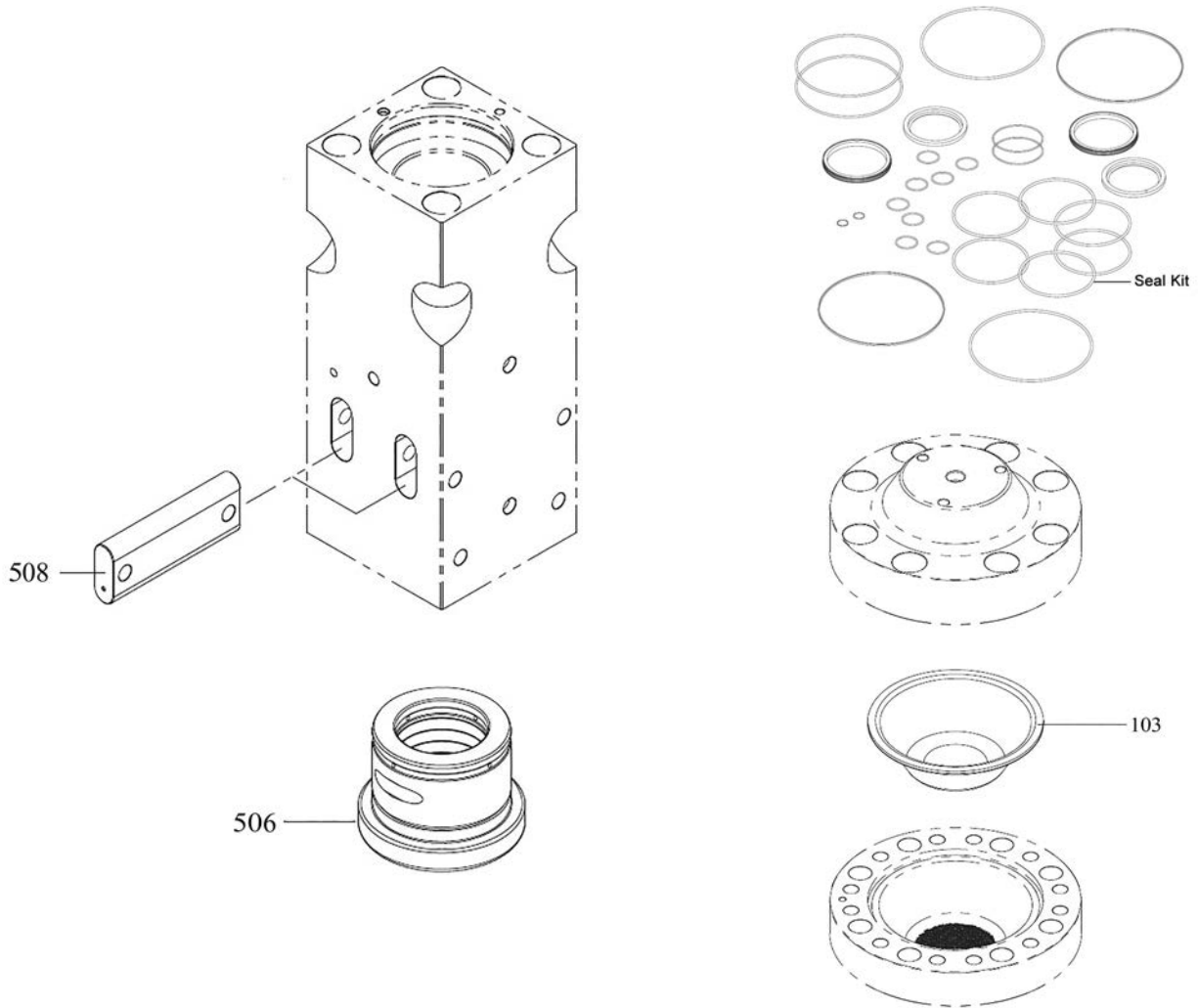


Figure 6.1 Rebuild Kits

CH205 REBUILD KIT			
Item	QTY	Description	Part Number
			Model CH250
	1	Kit	CHB7509000K
508	2	TOOL PIN	CHB7501230
506	1	TOOL BUSHING	CHB7501310
103	1	MEMBRANE	CHB750704A
	1	SEAL KIT	CHB750800BHX

Connect Work Tools Large Series Breaker Model CH205 Rebuild Kit

7.0 Tool Bits

7.1 Tool Bits

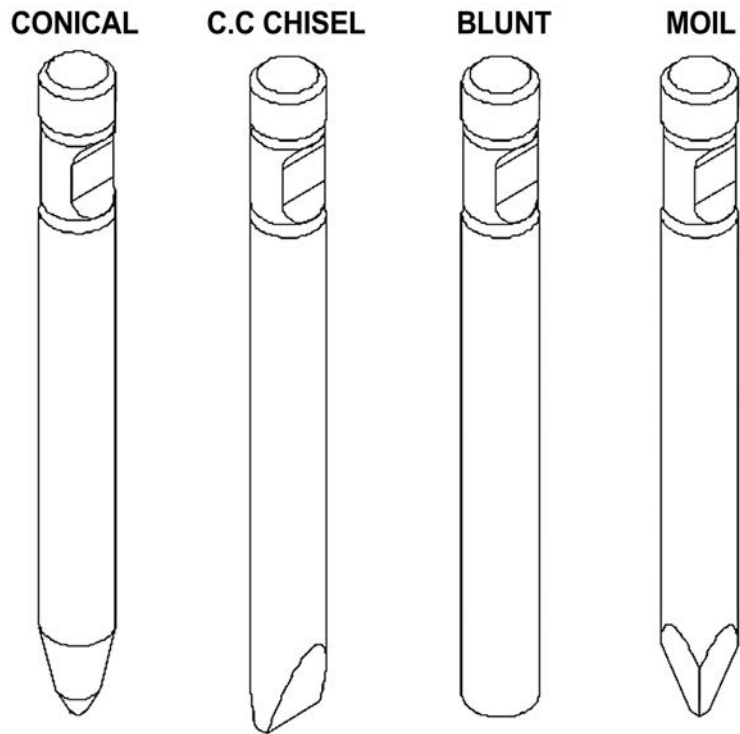


Figure 7.1 Tool Bits

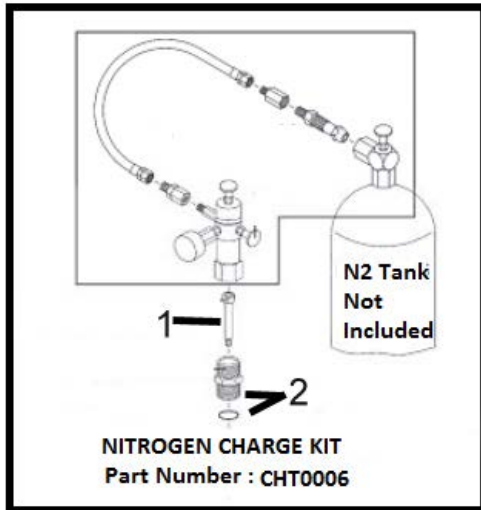
AR205 SERIES ONLY SERIAL NUMBER 1008-1010		
MODEL	PART NO.	TOOL TYPE
AR205	CHB7501320	CONICAL
	CHB7501330	CHISEL
	CHB7501340	BLUNT
	CHB7501350	MOIL

CH205 SERIES ONLY		
MODEL	PART NO.	TOOL TYPE
CH205	CHB7501620	CONICAL
	CHB7501630	CHISEL
	CHB7501640	BLUNT
	CHB7501650	MOIL

Connect Work Tools Large Series Breaker Model CH205 Tool Bits

8.0 Tools Nitrogen (N²) Charge Kit - CH205

8.1 CH205 Nitrogen (N²) Charge Kit



NO	PART NO.	PART NAME	QTY
	CHT0006	N2 Charge Kit	1
1	CHBM1C60052	CHARGE TOOL SOCKET HEAD BOLT	1
2	CHAP016MOR16M	CHARGE TOOL ADAPTER	1

Figure 8.1 CH205 Nitrogen (N²) Charge Kit

Connect Work Tools Large Series Breaker Model CH205 Nitrogen (N²) Charge Kit

9.0 Hoses - CH205

9.1 CH205 Hoses

CH205					
Model	Hose Chart				
	Part Number	Length	Diameter/psi	Fitting 1	Fitting 2
CH205	CHHSA15010	For hose options contact: Connect Work Tools or your local distributor			

Figure 9.1 CH150/CH165/CH175/CH180 Hoses

Connect Work Tools Large Series Breaker Model CH150/CH165/CH175/CH180 Hoses

10.0 Carrier Mounted Breaker Lubricator

10.1 Carrier Mounted Breaker Lubricator

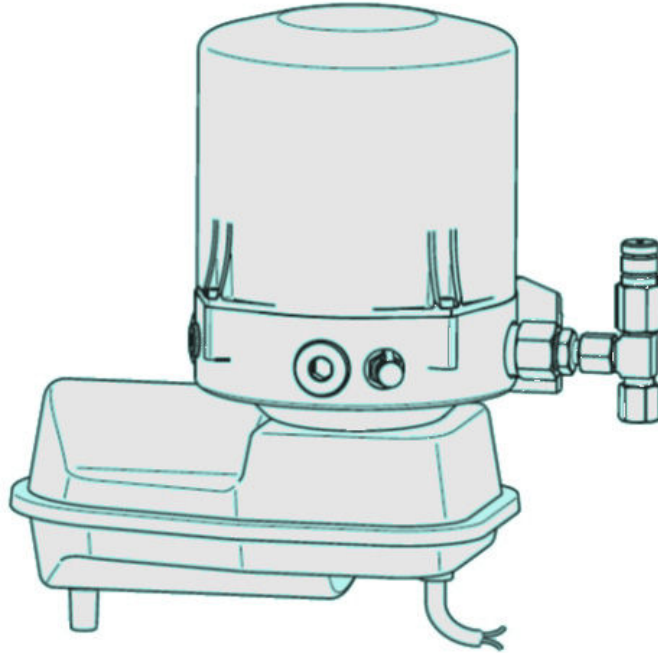


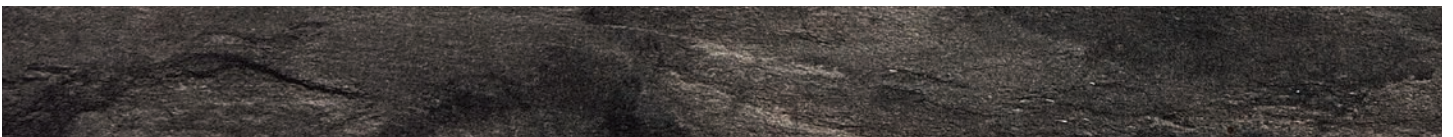
Fig. 10.1 Carrier Mounted Breaker Lubricator

CH205 Carrier Mounted Lubricator		
Model	Carrier Mounted Lubricator Kit (CML)	Part Number
CH205	Contact Connect Work Tools	

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

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