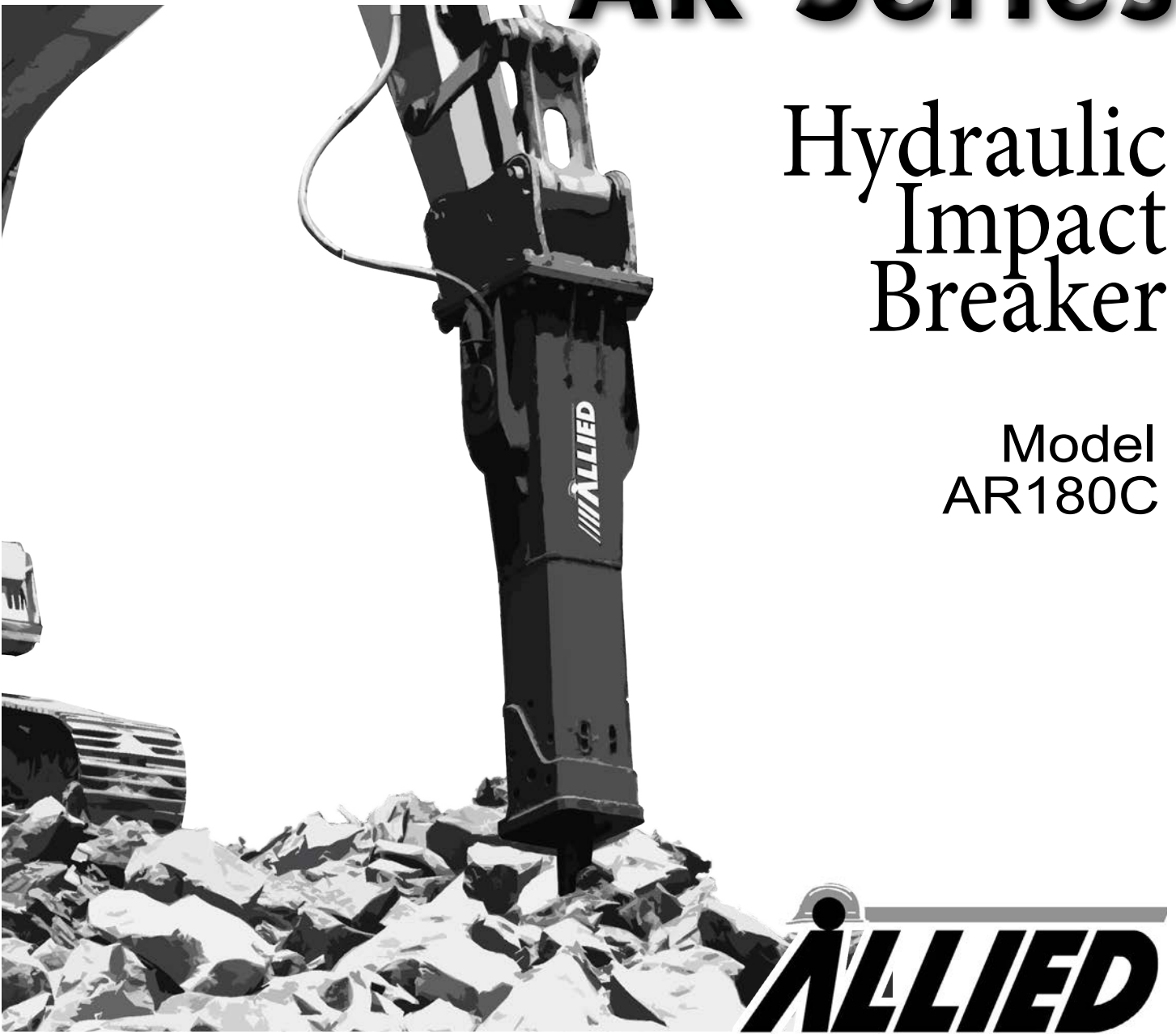


AR Series

Hydraulic Impact Breaker

Model
AR180C



Parts Manual - AR180C

Keep this manual in a convenient location so that it is easily accessible for future reference. Contact your Allied Dealer or the Allied Customer Service Department for replacement manuals. Inquiries regarding the content of this manual must include effective date shown on inside cover.



PM572964



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Revision History of Document No. PM572964

<u>Date</u>	<u>Page</u>	<u>Summary of Change</u>
2013 Aug	All	Reorganize overall format. Update illustrations, parts tables
Sep 08, 2008	11, 12, 13, 14	Revise cylinder and seals – specify S/N 199 & Down and S/N 200 & Above
Feb 27, 2008	4	Revise hydraulic adapter configuration
Jan 14, 2008	11 & 13	Add seal orientation detail
Nov 20, 2007	14	Correct P/N 572734
Nov 13, 2007	14	Revise 571004 O-ring quantity
Oct 02, 2007	12	Correct seal housing PN
Aug 28, 2007	5 & 6	Revise housing assembly
Aug 09, 2007		Revised Tune-Up Kit
Jun 30, 2007		Original Issue

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1.0 Introduction and Scope

1.1 Purpose of This Manual

This manual has been prepared to assist with the identification of all components of the Hydraulic Breaker. Figures depicted in Parts Manuals are for purposes of parts identification. The Parts Manual is not intended for use in the repair or service of the Allied equipment.

Content included in the Parts Manual:

- Illustrations of assemblies, name of part, quantity and descriptions that help identify each component and its location on the Hydraulic Breaker.
- Ordering information for the safety and information labels displayed on the equipment.
- Order form

Material presented in this manual, including illustrations and descriptions, is intended solely for use with the equipment identified in Table 1.1 and may not be suitable for other models.

Prior to use, confirm that the information recorded on the equipment's identification label corresponds with Table 1.1. For the location of this label, refer to Section 2.0.

1.2 About This Manual

Table 1.1 About This Manual



Document ID. No.	PM572964
Type	Spare Parts
Current Status	See Inside Cover
Product Name:	Mounted Hydraulic Impact Breaker
Series	AR
Applicable Model[s]:	AR180C
Years of Manufacture:	2007 & above
*Inquiries regarding this manual must include effective date shown on inside cover	

The document, identified in Table 1.1, is published solely for information purposes and should not be considered all-inclusive. Requests for further information should be directed to your local Allied dealer or the Allied Customer Service Department.

Allied has made every effort to provide information as complete and accurate as possible for this document. The content of this document has been reviewed for accuracy. Allied Construction Products, LLC has endeavored to deliver the highest degree of accuracy possible. However, continuous improvement of our products is an Allied policy. The material in this publication, including descriptions, illustrations and specifications, describes the product at the time of its publication, and may not reflect the product in the future. Revisions made to the content of this document are recorded on the inside cover.

1.3 How To Order Replacement Publications

Replacement manuals can be ordered by contacting your Allied dealer service center. These manuals may also be viewed and downloaded at: www.alliedcp.com

1.4 Related Publications

Allied Construction Products, LLC offers the following publications for the product identified in Table 1.1.

Safety, Operation & Maintenance Manual 102706

Applicable Models: AR-Series 110B,130,160B,C, 170C, 180C

The Safety, Operation and Maintenance Manual has been prepared to assist the operator and maintenance personnel with the information necessary for the safe and proper use of the Allied work tool.

Content in the Safety, Operation & Maintenance Manual includes:

Safety Information
 Equipment Serial Number and Model Identification
 Technical Data (Weight & dimensions)
 Basic Guidelines for Installation and Set-up
 Pre-Operation Inspection
 How to Operate the Allied Work Tool
 Maintenance Schedule
 N2 Gas Charging Instructions
 Tool and Guide Bushing – Lubrication, Inspection,
 Wear Limits and Replacement
 Troubleshooting
 Removal From Carrier, Transporting, Lifting &
 Storage

1.0 Introduction and Scope –[cont'd]

1.4 Related Publications – cont'd

1.4.2 Repair Manual - 572591

The Repair Manual has been prepared to assist the Service Technician with the information necessary for the disassembly & reassembly of the Breaker. Content includes:

- Safety Information
- Disassembly & Reassembly
- Bolt Torque Specifications
- Wear Limits of Parts
- Accumulator N2 Gas Charging Instructions
- Bushing Replacement

1.4.3 AEM Safety Manual for Hydraulic Breakers

The Association of Equipment Manufacturers offers a safety manual designed for operators and maintenance personnel of hydraulic mounted breakers. The manual is available in Spanish, French and English. It is published in an illustrated format of sensible do's and don'ts, featuring typical daily situations on the job site. Content includes safety tips concerning the workplace and equipment, start up and shut down guidelines and special operating and maintenance precautions.

This publication is available by contacting:

Association of Equipment Manufacturers
Toll free 1-866-AEM-0442
E-mail: aem@aem.org
Website: www.aem.org

Ask for FORM CMHB-1004, Hydraulic Mounted Breakers.

This publication is also available through Allied under part number 953076 (English). To order a copy, contact the Allied Customer Service Department.

2.0 Equipment Identification

2.1 Model and Serial Number Location

Refer to Figure 2-1. The Serial Number assigned to this equipment can be found in the following locations:

1. Located on the Equipment Identification Tag
2. Stamped on the Valve Housing

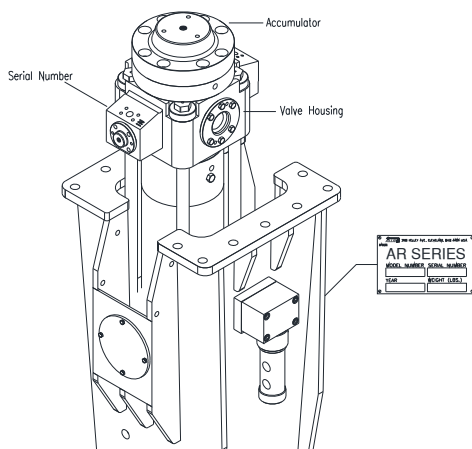


Fig 2-1 Serial Number Location

2.2 Equipment Identification Tag

The Equipment Identification Tag is affixed to the housing.

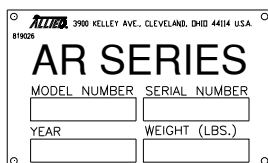


Fig 2-2 Equipment Identification Tag

The ID Tag provides the following information:

- Allied Logo
- Street Address, City, State - USA
- Product name
- Model number
- Serial number
- Year of manufacture
- Weight

Confirm that the information contained on the Tag corresponds with the information provided in Section 1, Table 1.1.

2.3 Owner's Record of the Equipment

Your local Allied dealer requires complete information about the equipment to better assist you with questions regarding parts, warranty, operation, maintenance, or repair.

- Copy the Model and Serial Number from the Equipment Identification Tag to the space provided below.
- Indicate the date in which the Allied equipment was placed into service.
- Fill out the Warranty Registration form and return to Allied Construction Products, LLC.

Product Name Hydraulic Breaker

Series AR

Model AR180C

Part Number: 573000

Serial Number: _____

In Service Date: _____



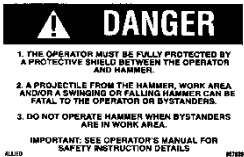
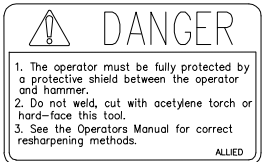



Registration Date _____

3.0 Safety & Identification Labels

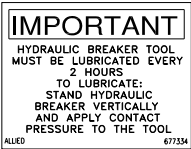
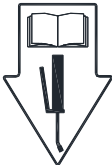
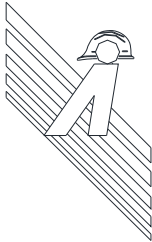


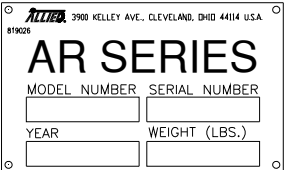
3.1 Label Description and Location On Equipment

Labels affixed to the Allied equipment communicate important information. Safety labels alert personnel to potential hazards. Other labels provide product identification and instructions important to operation and service.

Keep labels clean so that words and illustrations are legible. Replace damaged or missing labels before operating this equipment. Refer to Table 3.1 for ordering information. Refer to Figure 3-15 for the position of the label on the equipment.

Figure	Label	Description
3-1		Read The Manual - Safety Alert Symbol with pictogram of open book. Gives notice of the importance of reading the manual(s) for information and/or instructions.
3-2		Keep Clear - Pictogram displays arrow distancing worker safely from work tool which is represented by the box. Breakers, or any other work tool, pose risk of injury to workers if they are not kept at a safe distance. Never operate the work tool with workers inside the work zone.
3-3		Flying Debris Hazard – Alerts personnel to the hazard of fragments becoming projectiles. A protective guard to shield the operator must be installed before operation of the breaker. Personnel are directed to the Operator's Manual for safety instructions. NOTE: A smaller sized version of this decal is to be displayed in a conspicuous location inside the operator's cab.
3-4		Personal Protection Equipment / Tool Re-sharpener – Alerts personnel to provide protective shielding between the operator and breaker. It also warns against welding, cutting, or hard-facing the tool. Personnel are directed to the Operator's Manual for approved re-sharpener methods.
3-5		Pressurized Nitrogen Accumulator – Alerts personnel to the accumulator, warning of nitrogen gas under pressure. Directs personnel to the Safety Operation and Maintenance Manual for service instructions.
3-6		Maximum Pressure – Alerts personnel the maximum operating pressure.
3-7		Lift Point – Pictogram of hook identifies approved lift points.

3.0 Safety & Identification Labels

Figure	Label	Description
3-8		LUBRICATION – Decal provides re-lubrication instructions, including; frequency and precautions that must be observed to ensure breaker is not damaged through unapproved methods.
3-9		Lubrication Point – Decal identifies lubrication points. Refer to the manual(s) for grease type, re-lubrication schedules and procedures. Risk of equipment damage if instructions are not followed.
3-10		Allied “A” with Hard Hat and Background Stripes
3-11		ALLIED LOGO – This decal is the Allied brand identifier and is a registered trademark of Allied Construction Products, LLC.
3-12	AR180C	MODEL – Decal identifies the series and specific model.
3-13		OIL SUPPLY LINE “PRESSURE” I.D. TAG – A red colored cable tie marked “PRESSURE LINE” is attached to the supply hose for ease of identification between hoses.
3-14		ID TAG - Contains identifying information about the equipment, including: Manufacturer’s name, address, product name, model number, serial number, year of manufacture, and weight.

3.0 Safety & Identification Labels

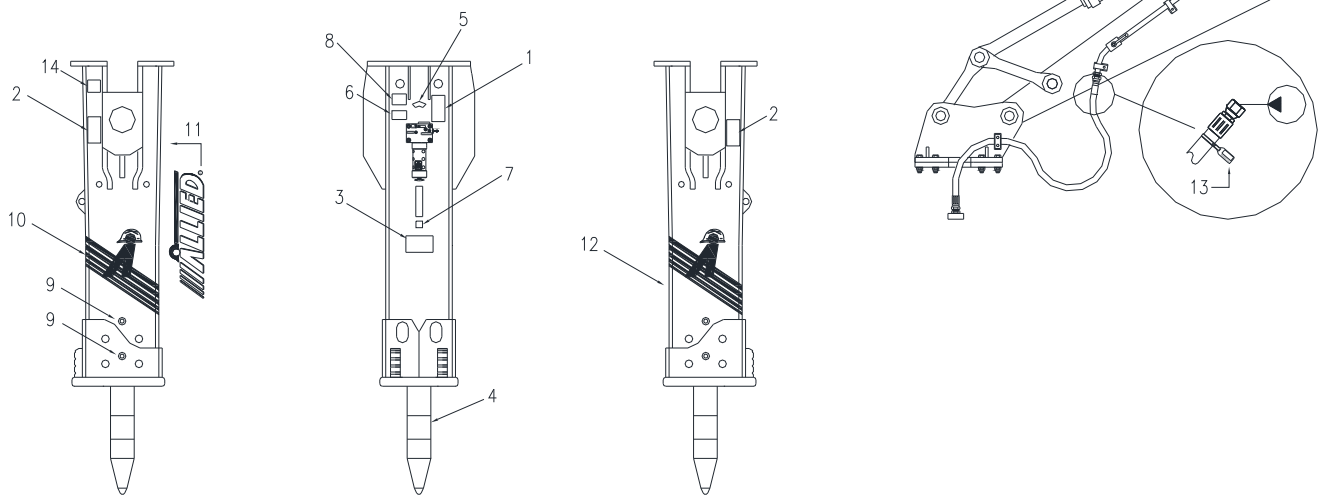


Fig. 3-15 Label Positions on Equipment

Table 3.1 Label Set

Item	Part No.	Description	Qty	Remarks / Specifications
---	573024	Label Set	1 Set	Set includes 1-13
1	676984	Decal – Read Instructions	1	
2	657841	Decal – Stay Clear	2	
3.1	657839	Decal – Danger (Small)	1	Place in conspicuous location inside cab
3.2	657840	Decal – Danger (Large)	1	
4	657838	Decal – Tool Sharpening	1	
5	102756	Decal – Warning Pressurized Accumulator	1	
6	659140	Decal – Max Operating Pressure	1	
7	676982	Decal – Lift Point	1	
8	677334	Decal – Lube w/ Tool In	1	
9	A101725	Decal - Lubrication Points	2	
10	576286	Decal – Allied “A” with Hard Hat / Stripes	2	
11	676656	Decal – Allied	1	
12	572988	Decal – Model AR180C	1	
13	818676	Pressure ID Tag	1	Attach to supply hose [IN]
14	819026	Equipment ID Plate	1	This item is not included in SET

4.0 Parts Information

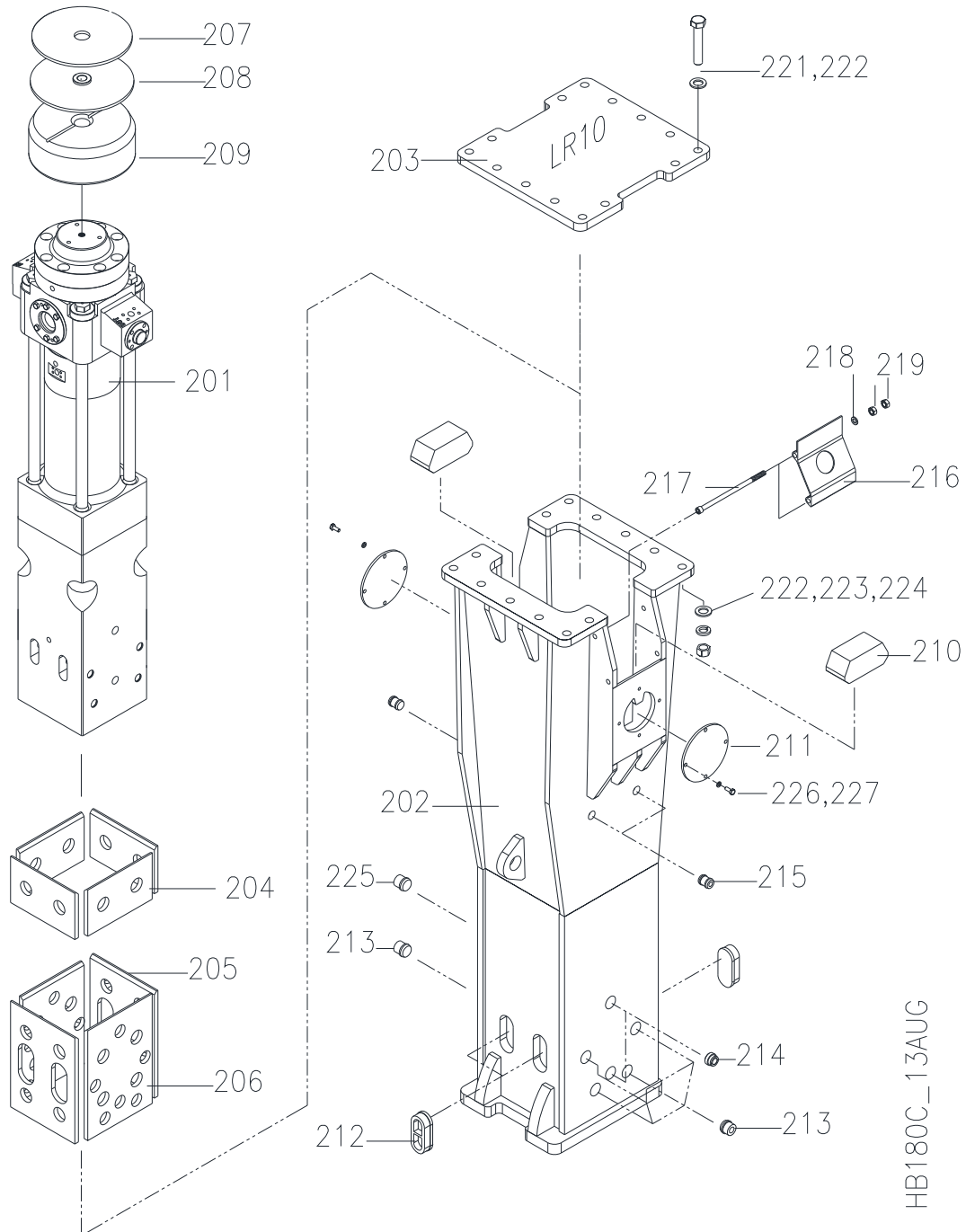


Fig. 4-1 Housing Box & Components

4.0 Parts Information – [cont'd]**Table 4.1 Housing Components (*Standard Configuration)**

Item	Description	Part No.	Qty	Remarks / Specifications
---	AR180C Breaker with Housing	573000	1	
201	Breaker Assembly	---	1	
202	Housing Box	572837	1	
203	Mounting Plate LR-10	573027	---	Not included. Order separately. Section 7
204	Wear Plate - Upper	572952	4	
205	Wear Plate Lower Front/Rear	572951	2	
206	Wear Plate Lower LH/RH Side	572953	2	
207	Top Wear Plate	571511	1	
208	Top Buffer Plate Assembly	571510	1	
209	Top Buffer	572950	1	
210	Side Buffer	572954	2	
211	Protective Plate	573166	2	
212	Rubber Plug	572957	4	
213	Rubber Plug	572958	8	
214	Rubber Plug	575360	2	
215	Rubber Plug	572960	2	
216	Port Cover	572955	2	
217	Bolt	572961	4	
218	Washer	678476	4	
219	Nut	607264	8	
221	Bolt, F-Washer, L-Washer, Nut	---	---	221,222,223,224 Section 7
225	Wear Pin	B3200050	2	
226	Bolt	798062	8	
227	Washer	678458	8	

4.0 Parts Information – [cont'd]

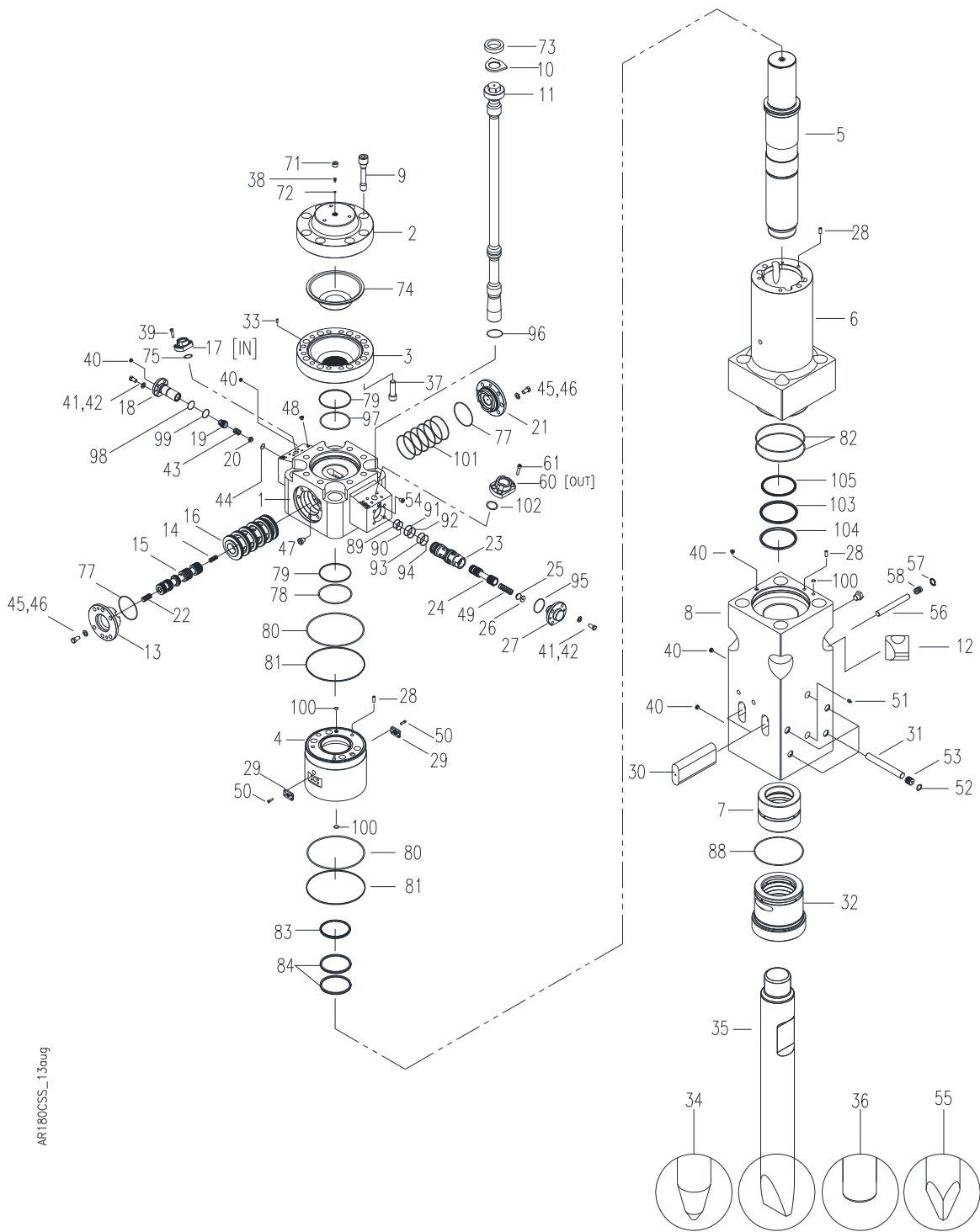


Fig. 4-2 Breaker Assembly

4.0 Parts Information – [cont'd]**Table 4.2 Breaker Assembly**

Item	Description	Part No.	Qty	Remarks / Specifications
1	Valve Housing	572963	1	
2	Accumulator Cover	572965	1	
3	Accumulator Bottom	572966	1	
4	Seal Housing	572967	1	
5	Piston	572968	1	
6.1	Cylinder	573828	1	SN-200&Up
6.2		572969		SN-199&Down
7	Upper Tool Bushing	572970	1	
8	Front Head	572971	1	
9	Bolt - Accumulator	572972	8	
10	Lock Plate	572973	4	
11	Side Rod	572974	4	
12	Nut – Side Rod	572975	4	
13	Sleeve Cover - 1	572976	1	
14	Spool - 2	571531	1	
15	Main Spool	572977	1	
16	Sleeve	572978	1	
17	Flange Adapter [IN]	572704	1	1 ¼ (20) Refer to Table 4.3
18	Check Valve Housing	571534	1	
19	Check Valve Spool	571535	1	
20	Check Valve Spring Guide	571536	1	
21	Sleeve Cover - 2	573038	1	
22	Spool - 1	571537	1	
23	Oper. Valve Guide	571538	1	
24	Oper. Valve Spool	571539	1	
25	Oper. Valve Spring Guide	571540	1	
26	Shim	571670	1	
27	Oper. Valve Cover	571671	1	
28	Guide Pin	102545	3	
29	Air Breather Cover	102549	2	
30	Tool Pin	572979	2	
31	Pin	572980	4	
32	Lower Tool Bushing	572981	1	
33	Guide Pin - Accumulator	676183	1	

4.0 Parts Information – [cont'd]

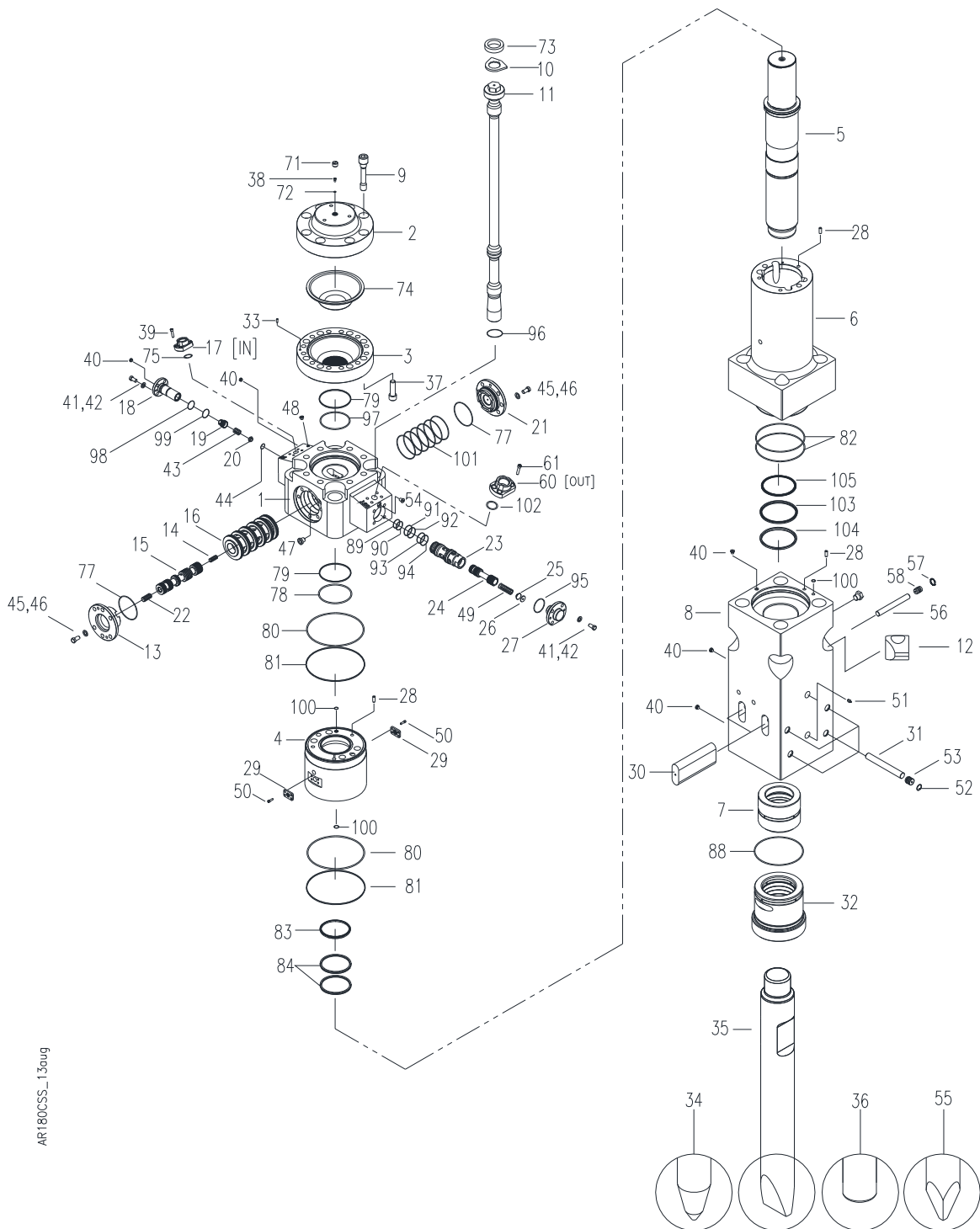


Fig. 4-2 Breaker Assembly

4.0 Parts Information – [cont'd]**Table 4.2 Breaker Assembly - (cont'd)**

Item	Description	Part No.	Qty	Remarks / Specifications
34	Tool Selection	Varies	---	34,35,36,55 Tool Selection Refer to Section 7
37	SH Bolt - Accumulator	572982	12	
38	Accum. Gas Bolt	676161	1	
39	Flange Bolt	103002	4	
40	Flange Plug	676159	5	
41	Hex Head Bolt	900017	8	
42	LK Washer	571055	1	
43	Spring – Check Valve	571672	1	
44	Lock Ring	571673	1	
45	Hex Head Bolt	90518	12	
46	LK Washer	571674	12	
47	Flange Plug	571708	1	
48	Flange Plug	102241	1	
49	Spring – Oper. Valve	571675	1	
50	Bolt	940587	8	
51	Grease Nipple	816675	2	
52	Snap Ring	572997	4	
53	Rubber Plug	573021	4	
54	Flange Plug	676158	1	
55	Tool Selection	Varies	---	
56	Pin – Upper Bushing	573022	1	1 ½ (24) Refer to Table 4.3
57	Snap Ring	571801	1	
58	Rubber Plug	571800	1	
60	Flange Adapter [OUT]	572839	1	
61	Socket Head Bolt	679037	4	
71	Accumulator Cap	102262	1	
72	Usit Ring	676201	1	
73	Rubber Ring	572983	4	
74	Membrane	572984	1	
75	O-Ring	659275	1	
77	O-Ring	572989	2	
78	O-Ring	572511	1	
79	Back-up Ring	572994	2	
80	O-Ring	572991	2	

4.0 Parts Information – [cont'd]

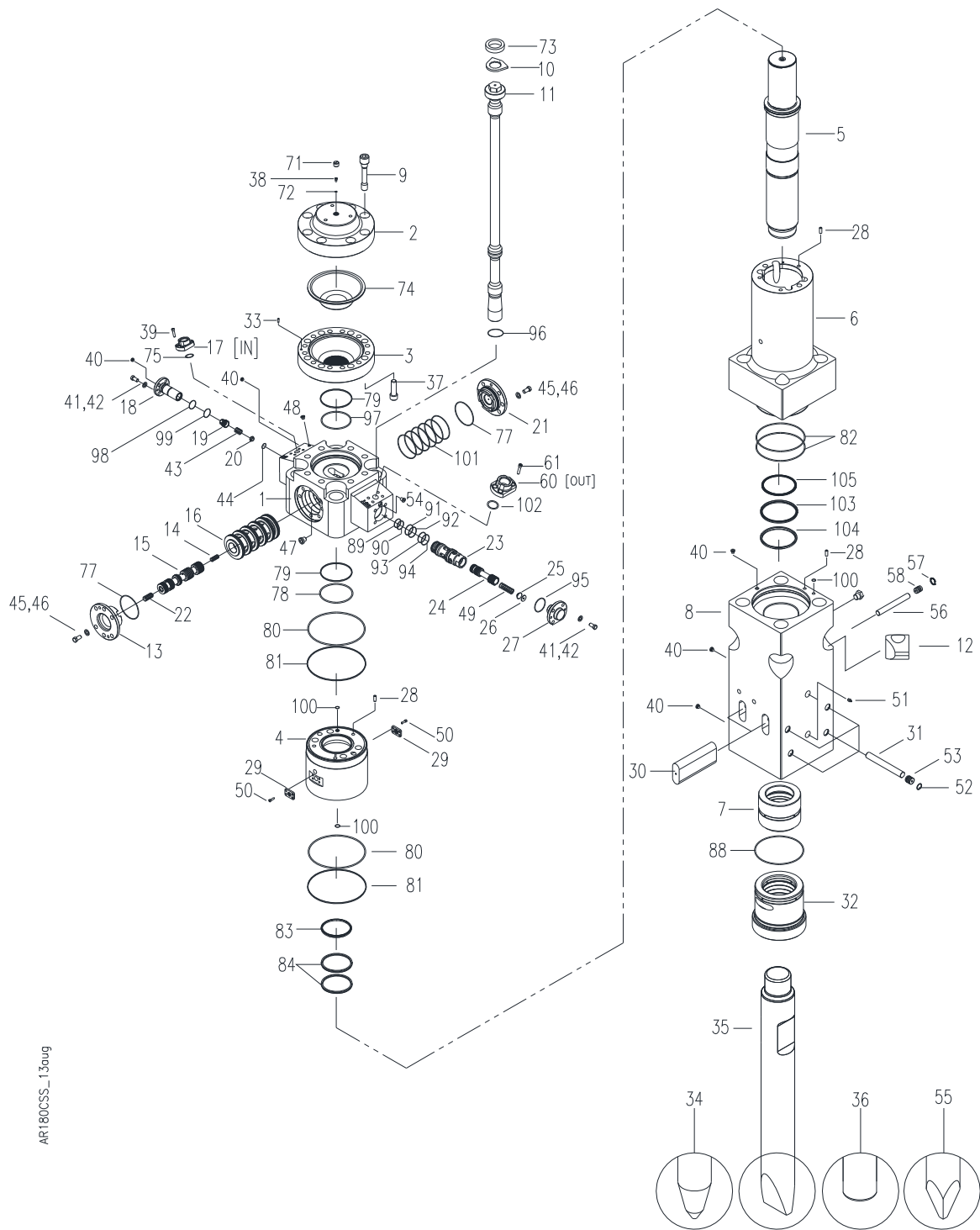


Fig. 4-2 Breaker Assembly

4.0 Parts Information – [cont'd]**Table 4.2 Breaker Assembly - (cont'd)**

Item	Description	Part No.	Qty	Remarks / Specifications
81	Back-up Ring	572996	2	
82	O-Ring	572992	2	
83	Wiper	572703	1	
84	U-Packing	572702	2	
88	O-Ring	572993	1	Use of this O-ring was discontinued on later bushing (Item 32)
89	Back-up Ring	101788	1	
90	O-Ring	100109	1	
91	O-Ring	676203	1	
92	Back-up Ring	676205	1	
93	O-Ring	100107	1	
94	Back-up Ring	571705	1	
95	O-Ring	676248	1	
96	O-Ring	573020	4	
97	O-Ring	572995	1	
98	O-Ring	571700	1	
99	O-Ring	572734	1	
100	O-Ring	571004	5	
101	O-Ring	572998	6	
102	O-Ring	667224	1	
103.1	Seal	573825	1	SN-200&Up
103.2		573018		SN-199&Down
104.1	Wiper	573824	1	SN-200&Up
104.2		573019		SN-199&Down
105	Seal	573017	1	SN-199&Down (Pkg incl- O-ring & Step seal)

4.0 Parts Information – [cont'd]

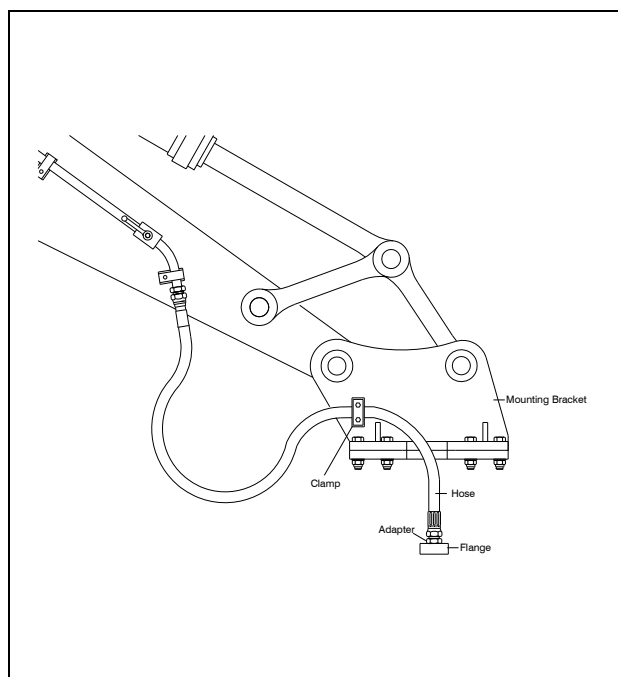


Fig. 4-3 Hose Routing To Excavator - Typical

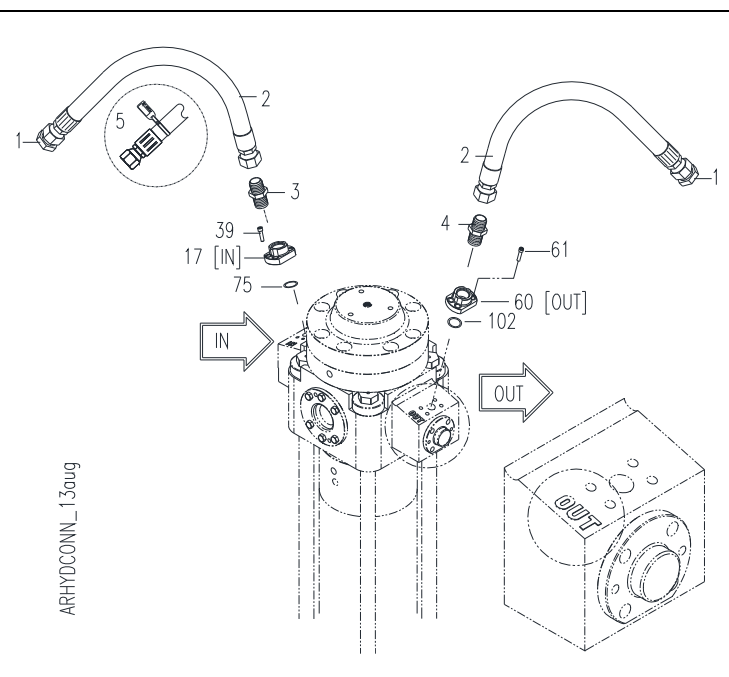


Fig. 4-4 Hydraulic Connections

Table 4.3 Hydraulic Connections (*Standard Configuration Shown)

Item	Description	Part No.	Qty	Remarks / Specifications
1	Plug	815152	2	
2	Hose	678011	2	
3	Adapter	659363	1	#24
4	Adapter	719151	1	#20
5	Pressure [IN] ID Tag	818676	1	
17	Flange Adapter [IN]	572704	1	1-1/4 (20)
39	SH Bolt	103002	4	M14
60	Flange Adapter [OUT]	572839	1	1-1/2 (24)
61	SH Bolt	679037	4	M16
75	O-Ring	659275	1	
102	O-Ring	667224	1	

5.0 Tool Selection Guide

5.1 Standard Tools

The three most commonly used tool points for concrete and rock demolition are the Chisel, Conical and Blunt.

- A. Chisel (Wedge – Cross Cut or In-Line) –** Suitable applications include soft rock and general demolition of concrete. The tool penetrates into the material, forcing it to separate. Useful when cutting action is required, e.g. benching and trenching.

- B. Conical Point** - Same applications as the chisel. The conical tool also penetrates, but unlike the chisel, the rounded shape resists twisting that can cause burring in the tool's retainer pin area.

- C. Blunt Tool** – Designed for impact breaking. The blunt tool is effective in secondary breaking of oversize rock or boulder reduction.

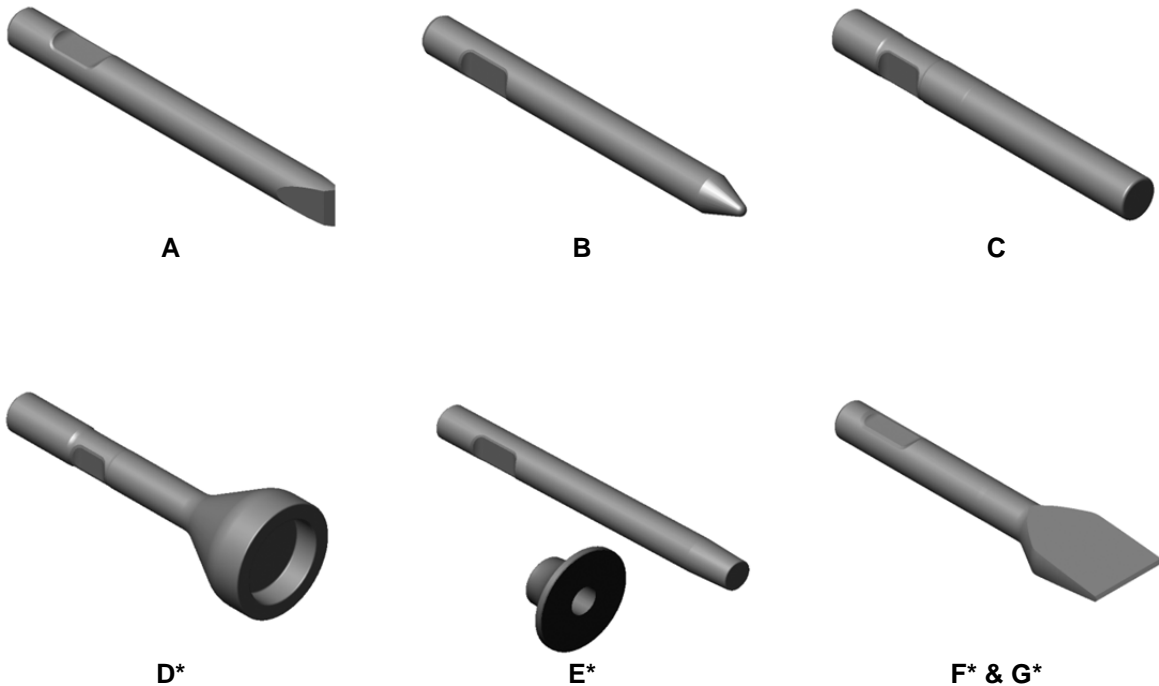


Fig. 5-1 Standard and Specialty Tools

(*Shown are general illustrations. Actual tool design may vary)

5.2 Specialty Tools*

Specialty tools have a specific purpose or function designed into each tool. These tools can extend the versatility of a hammer, thus increasing productivity and eliminating the need for additional equipment.

*Not available for all models.

- D. Post Driver** – For driving posts, pipes, etc.
- E. Tamper** – Designed to compact loose material.
- F. Frost Cutter** – For cutting into frozen ground.
- G. Asphalt Cutter** – Designed to cut seams in asphalt for removal. Useful when removing asphalt to dig a trench. Available in Cross-Cut and In-Line configurations.

5.0 Tool Selection Guide

Table 5.1 Standard & Specialty Tools

Item	Description	Part No.	TD ³⁾ x WL ⁴⁾ in. (mm)	Weight – lbs. (kg)
34-B	Conical Point	572985	7.09 [180] x 37 (940)	670 (306)
35-A¹⁾	Chisel Cross Cut	572986	7.09 [180] x 37 (940)	670 (306)
---	Chisel In-Line	--- ²⁾	---	---
36-C	Blunt End	572987	7.09 [180] x 33 (838)	640 (290)
55	Pyramid (Not Pictured)	--- ²⁾	7.09 [180] x 37 (940)	670 (306)

¹⁾ Standard tool supplied with breaker

²⁾ For availability of tool types not listed, contact Allied

³⁾ TD - Tool Diameter

⁴⁾ WL - Working Length

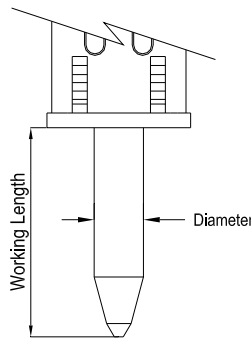


Fig. 5-2 Tool Diameter & Working Length

5.3 Allied Chisel Paste

A key element in improving the wear resistance of the bushing and tool is through the regular use of a high-quality lubricant. Allied Chisel Paste performs exceptionally well in this application because it's a "specialty" lubricant, formulated for use in heavy loaded reciprocating motion and high heat applications. Allied Chisel Paste is a unique blend of liquid and solid lubricants.

Solid lubricants, which include particles of molybdenum, copper and graphite, form a highly effective structure that resists being squeezed out during periods of heavy loading.

"General Purpose" grease typically contains little or no solid lubricants. That means once the liquid lubricant is squeezed out, there is a loss of lubrication between the bushing and tool. The result is metal-to-metal contact, which quickly leads to friction related wear and damage.

Packaging & Ordering Information

Table 5.2 Chisel Paste

Container	Packaging	Part No.
14.5 oz. Cartridge*	Qty x 10	574430
14.5 oz. Cartridge*	Qty x 30	574431
35 lbs. Bucket	Qty x 1	676698
120 lbs. Drum	Qty x 1	679968

*Cartridge fits standard hand-type grease gun

6.0 Service Kits and Tools

6.1 Tune-up Kit

All breakers require regular maintenance and periodic parts replacement. Follow the recommended service schedule to maintain reliable service.

Tune-up kits can help restore performance by replacing common wear parts. Tune-up kits offer the convenience of combining parts that usually need to be replaced at the same time into one pre-packaged kit.

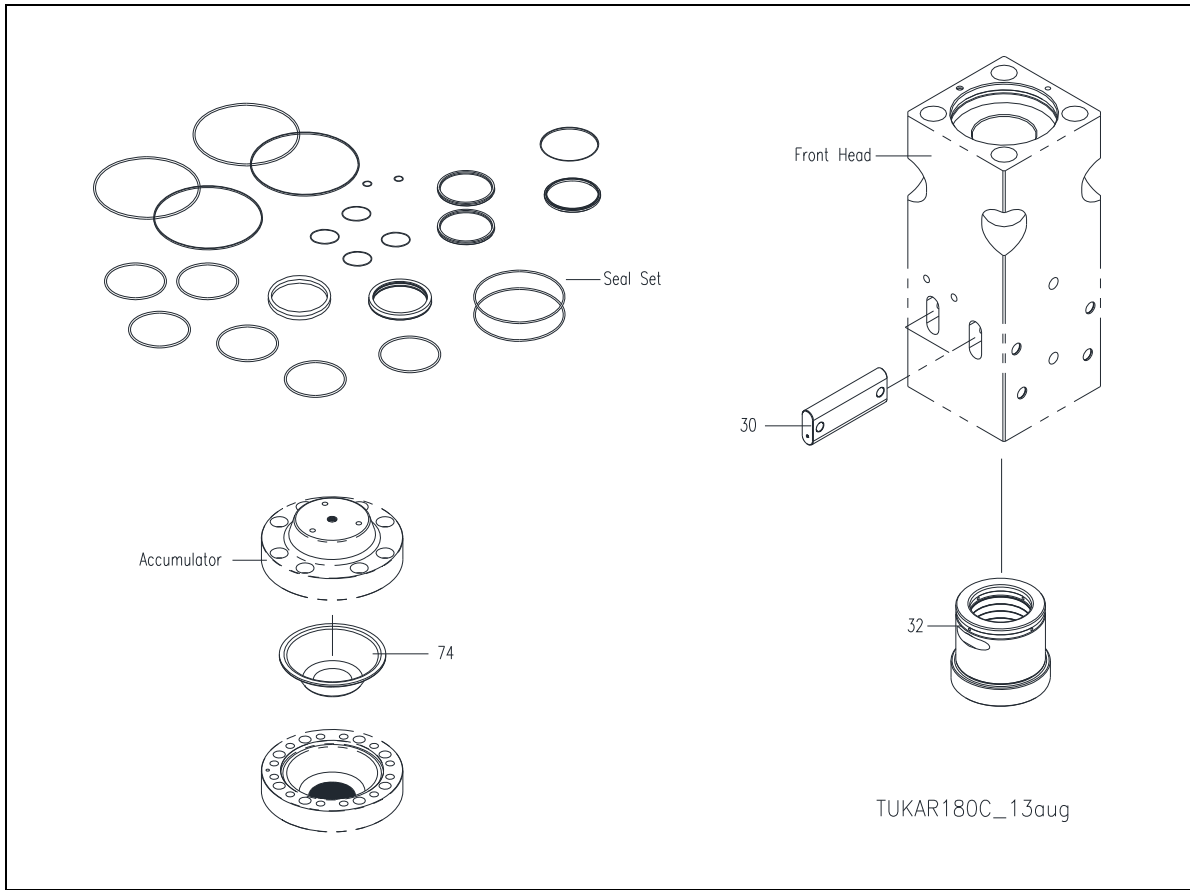


Fig. 6-1 Tune-up Kit

Table 6.1 Tune-up Kit

Item	Description	Part No.	Qty	Remarks / Specifications
---	Tune-up Kit	573830	1-Kit	Kit Includes Seal Set & Items 30,32,74
---	Seal Set	573826	1	Refer to Table 6.2 for list
30	Tool Retainer	572979	2	
32	Lower Tool Bushing	572981	1	
74	Accumulator Membrane	572984	1	

6.0 Service Kits and Tools – [cont'd]

Fig. 6-2 Seal Set 573826 - AR180C (*Observe serial number for proper seal)

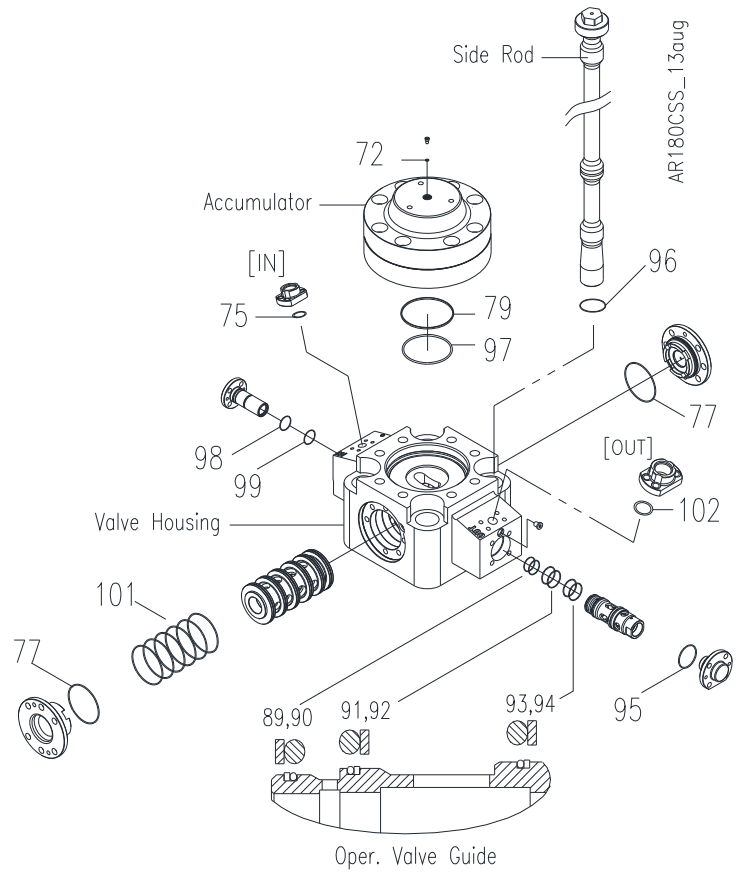


Fig. 6-2.1

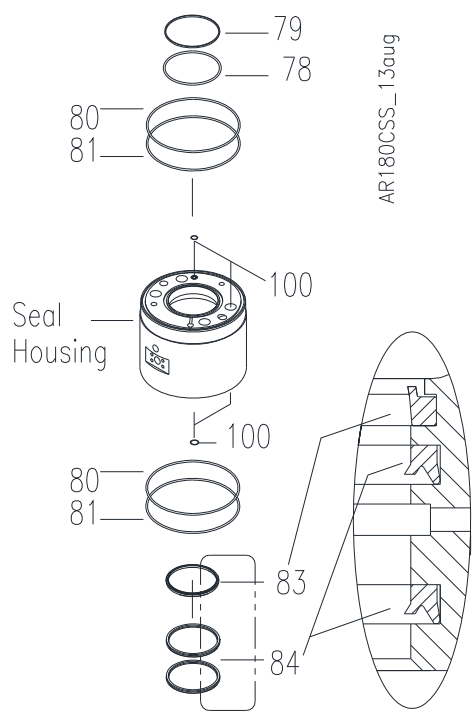


Fig. 6-2.2

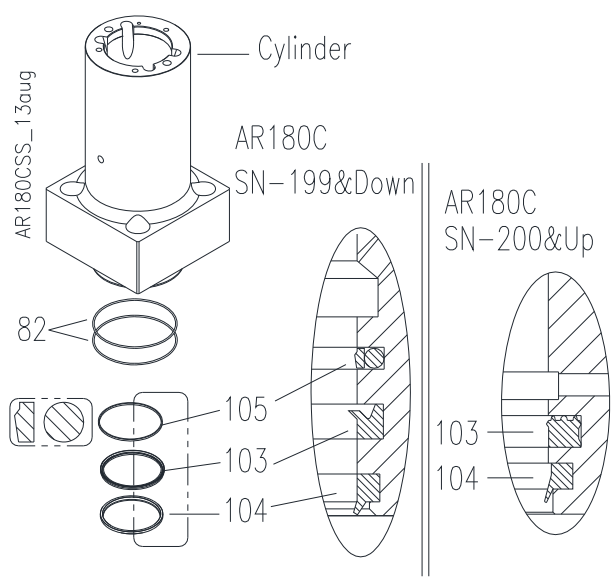


Fig. 6-2.3

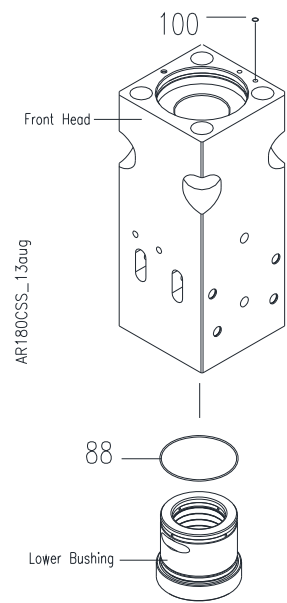


Fig. 6-2.4

6.0 Service Kits and Tools – [cont'd]**Table 6.2 Seal Set 573826 - AR180C (*Observe serial number for proper seal)**

Pos	Description	Part No.	Qty	Remarks / Specifications
---	Seal Set Complete	573826	1-Set	Set accommodates AR180C all serial numbers
72	Usit Ring	676201	1	
75	O-Ring	659275	1	
77	O-Ring	572989	2	
78	O-Ring	572511	1	
79	Back-up Ring	572994	2	
80	O-Ring	572991	2	
81	Back-up Ring	572996	2	
82	O-Ring	572992	2	
83	Wiper	572703	1	
84	U-Packing	572702	2	
88	O-Ring	572993	1	Use discontinued. Groove on later bushing (Item 32) removed
89	Back-up Ring	101788	1	
90	O-Ring	100109	1	
91	O-Ring	676203	1	
92	Back-up Ring	676205	1	
93	O-Ring	100107	1	
94	Back-up Ring	571705	1	
95	O-Ring	676248	1	
96	O-Ring	573020	4	
97	O-Ring	572995	1	
98	O-Ring	571700	1	
99	O-Ring	572734	1	
100	O-Ring	571004	5	
101	O-Ring	572998	6	
102	O-Ring	667224	1	
103.1	Seal	573825*	1	SN-200&Up
103.2		573018*		SN-199&Down
104.1	Wiper	573824*	1	SN-200&Up
104.2		573019*		SN-199&Down
105	Seal	573017*	1	SN-199&Down (Pkg incl- O-ring & Step seal)
---	Thread Lube 2 oz.	676927	1	Side Rod Threads - Follow application instructions



Keep seals properly stored in their original, sealed package until ready for use. Refer to Manual 575290 for proper assembly of parts.

IMPORTANT

Use thread Lube (provided in seal set) for side rod threads. DO NOT apply to seals!

6.0 Service Kits and Tools – [cont’d]

6.3 Accumulator N2 Gas Charge Equipment

The accumulator is a self-contained pressure vessel with an elastic membrane dividing the inner chamber. The lower chamber is used to receive, store and discharge pressurized oil. The upper chamber is filled with nitrogen gas.

The correct gas pressure (pre-charge) must be maintained for proper functioning and optimum service life. Filling with nitrogen (N2) gas is accomplished with the charging tool (Fig. 6-3) and a commercially available nitrogen bottle. Table 6.3 identifies components of the charge kit.

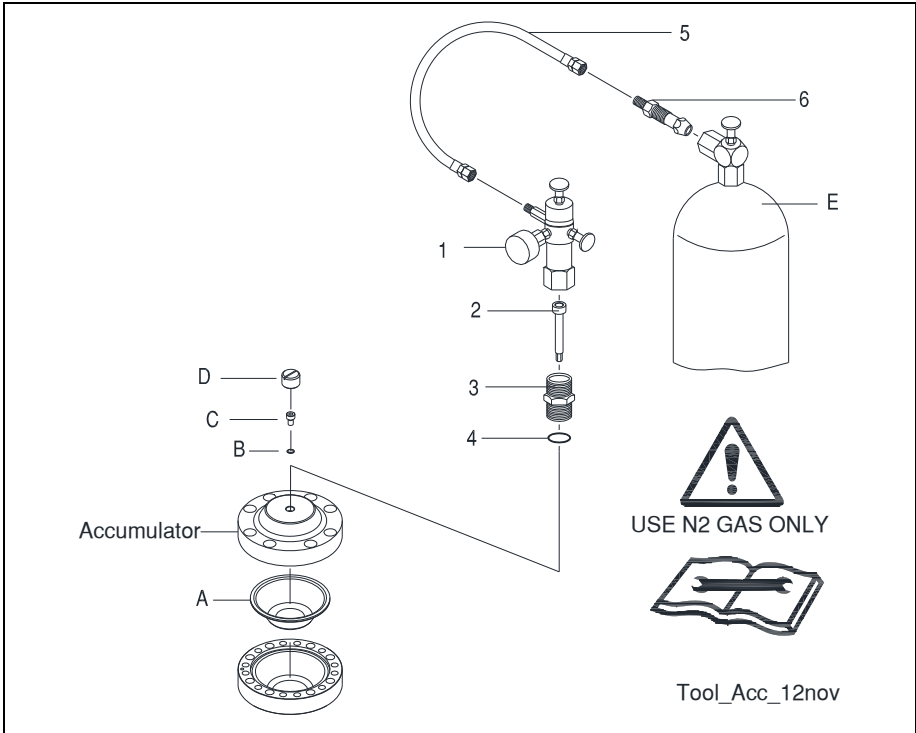




Fig. 6-3 Accumulator N2 Gas Charge Tool

Table 6.3 Accumulator N2 Gas Charge Kit

Item	Description	Part No.	Qty	Remarks / Specifications
---	N2 Gas Charge Kit	570071	1-Kit	Kit includes 1,2,3,4,5,6
1	Charge Valve with Gauge	100527	1	Includes 2-6 (& storage case - not shown)
2	Socket Bolt	40601	1	
3	Adaptor	R101635	1	
4	O-ring	901135	1	
5	Hose	N/A	1	8 Ft. [2.5 M] Not Available Separately
6	Adapter for N2 Gas Bottle	N/A	1	Not Available Separately
E	Nitrogen Gas Bottle	N/A	---	Not Available from Allied (Source Locally)
A,B,C, D,E	Membrane, U-sit ring, Bolt, Cap, N2 Gas Bottle	---	---	A,B,C,D,E Shown only for reference and are not included in charge kit.
  For safe and proper use of this tool, read, understand and follow all instructions given in Repair Manual 102706				

7.0 Mounting to the Carrier

7.1 Mounting Brackets

The mounting bracket (sold separately) attaches the Allied Breaker to a carrier. Allied offers an array of mounting brackets to fit virtually any carrier, including those equipped with quick mounting couplers.

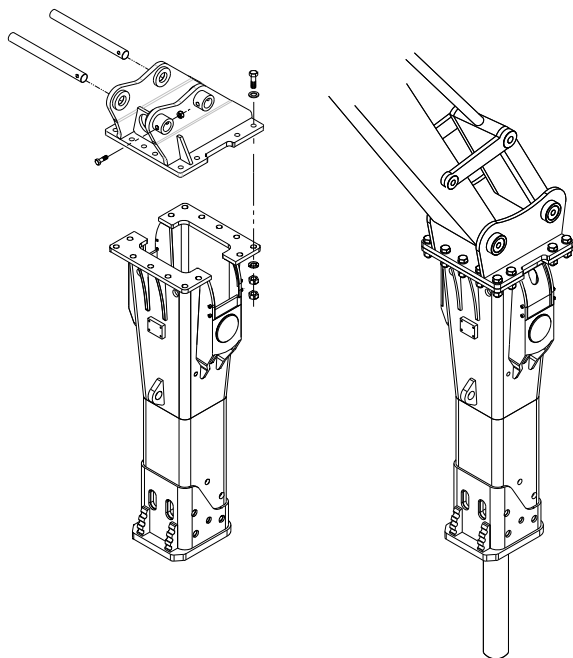


Fig. 7-1 Mounting Bracket Pin-on Type - Typical

Complete information about the carrier is required when ordering mounting brackets. This includes the make, model, series and serial number. Additional information is required if the carrier is equipped with a quick coupler.

Refer to Figure 7-1. The mounting bracket is bolted to a connection plate located at the top of the box housing. The thickness of the plate, as well as other dimensions, including the quantity, diameter and spacing of the bolt holes will vary between breaker models.

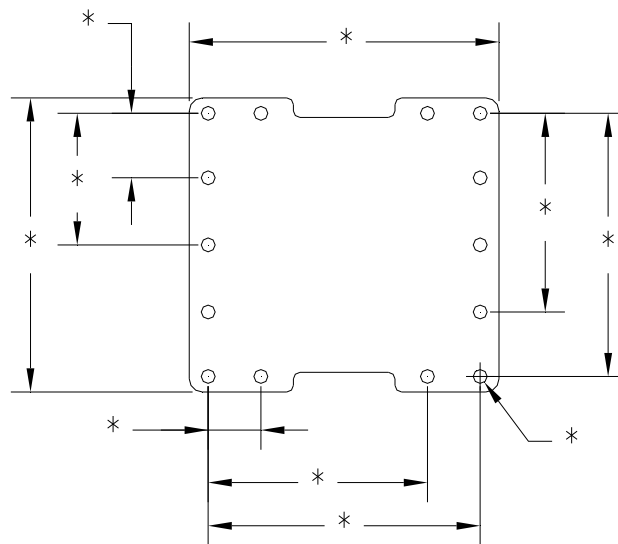


Fig. 7-2 Connection Plate Family

In Table 7.1, AR breaker models are grouped by “Family”. The “Family” designates the connection plate that is welded to the housing plates, housing box and mounting brackets. Other Allied work tools, including the Ho-Pac® utilize these same mounting Families. Dimensions for these connection plates can be found in the Safety, Operation and Maintenance Manual.

Table 7.1 Mounting Family & Hardware

Family	Breaker Model	Bolt	FL Washer	LK Washer	Nut
BR	AR70C, A75B	90566 (12)	--- (0)	90597 (24)	91000 (12)
SR	AR85B, AR95B	572352 (10)	679422 (20)	571027 (10)	572353 (10)
MR	AR110B, AR110C, AR120B	101765 (14)	901291 (28)	658529 (14)	90507 (14)
LR8	AR130B, AR140B	101765 (14)	901291 (28)	658529 (14)	90507 (14)
LR9	AR160C, AR165, AR170C, AR175	573167 (14)	573029 (28)	573028 (14)	90519 (14)
LR10	AR180C, AR180D	576464 (14)	573029 (28)	573028 (14)	90519 (14)
AR205	AR205				



Refer to the Safety, Operation and Maintenance manual for the proper tightening torque.

8.0 How To Order Spare Parts

Your local Allied dealer requires complete information, including the Product Name, Model and Serial Number, to better assist you with questions regarding parts, warranty, operation, maintenance, or repair. This information is noted in Section 2.3 of this manual.

Product _____
 Model _____
 Serial No. _____

Please fill out completely

Line	Description	Part Number	Quantity	Price
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Your contact information

Your Name	_____	Company Name	_____
Phone	_____	Account Number	_____
Fax	_____	Purchase order	_____
Email	_____	Shipping carrier	_____

*See note below

Billing Address	_____	Shipping Address	_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____

***Note: All backordered parts will be shipped when available via the same method as the original order unless initialed and checked below:**

Initials _____

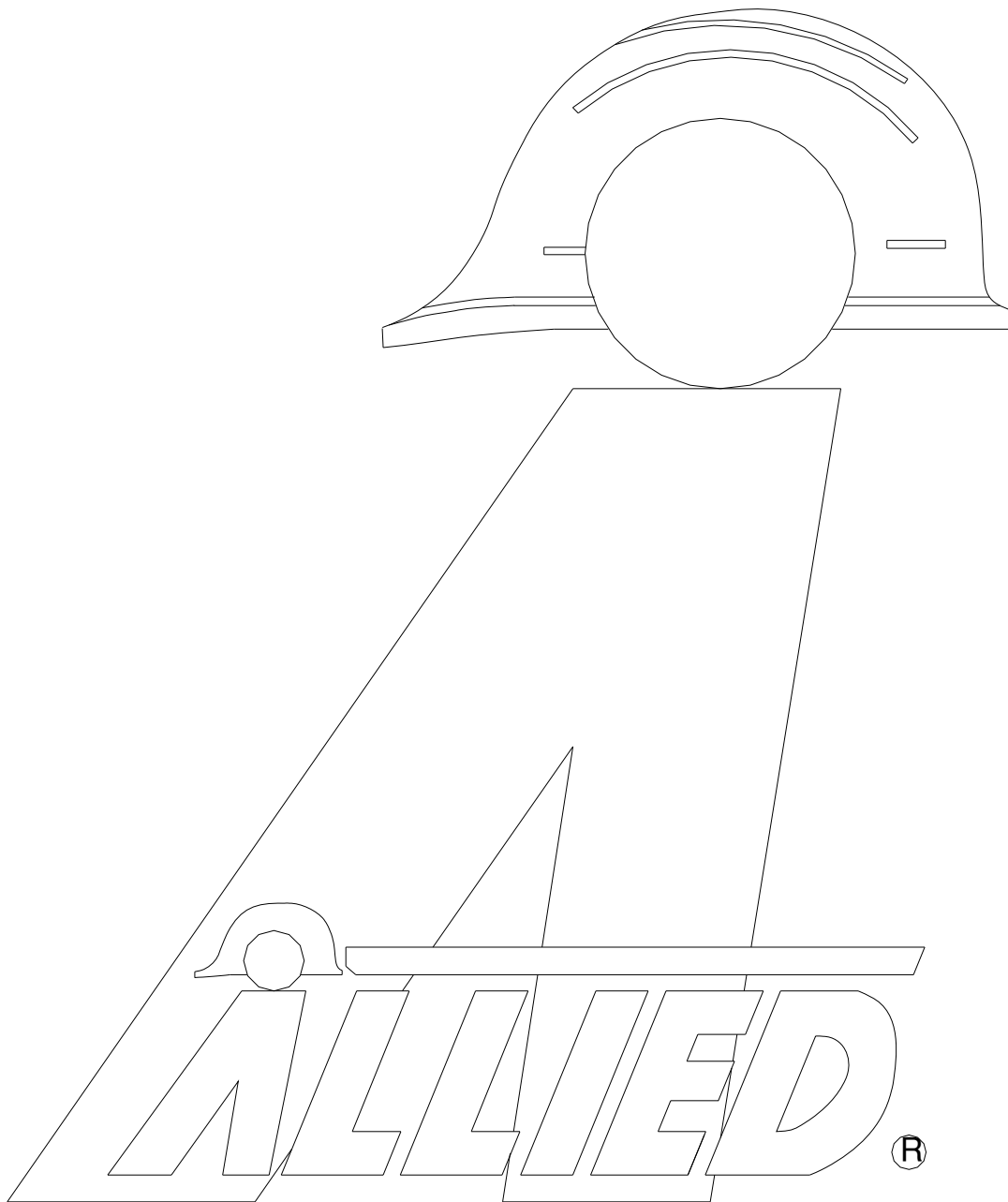
☐ Ship complete order only

☐ Ship available parts and contact customer on disposition of backordered parts

☐ Other – specify below

NOTES

[illegible]



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