

Parts Manual



PM103330

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.

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Revision History of Document No. PM103330

Continuous improvement of our products is an Allied policy. The material in this publication, including figures, captions, descriptions, remarks and specifications, describe the product at the time of its printing, and may not reflect the product in the future. When changes become necessary, these will be noted in the table below. Specifications are based on published information at the time of publication. Allied Construction Products, LLC, reserves the right to change, edit, delete or modify the content of this document, including descriptions, illustrations and specifications without prior notification. For product or document updates go to www.alliedcp.com.

Effective Date	<u>Page</u>	Summary of Change
2015, Mar	6,8,20	Introduce housing box. Begin S/N-01213. Add Figures and Parts Table.
2014, Mar		Introduce top down lube. Begin S/N-01172. Revise Table 4.3 & Fig. 4-3 and Table 6.2 & Fig. 6-2.
2013, Apr	17	Revise Table 5.1 Items A, B
2009, Sep	Throughout	Update format, remove technical specifications.
2008, Feb	6	Revised hydraulic connections.
2007, Aug		Revise Tune-Up Kit
2006, Nov	Throughout	Introduce AR85B. Begin S/N0. Add Figures and parts tables. Parts are common with earlier units except where denoted.
2006, Apr	5	Revise Table 3-2
2006, Jan	All	Revised Format
2005, Jun	5	Add P/N 571053
2003, Aug	1, 5, 7, 15, 19	Specs & Parts List

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1.0 Introduction and Scope

1.1 Purpose and Scope of This Manual

Table 1.1 About This Manual



Document ID. PM103330

Spare / Replacement Type

Parts List

Current Status* See Inside Cover

Mounted Hydraulic **Product Name:**

Impact Breaker

Series AR

Applicable Model[s]: AR85, AR85B

Years of Manufacture: Begin 2003

*Inquiries regarding this manual must include

effective date shown on inside cover

The material presented in this manual has been prepared in support of the product named in Table 1.1. It's intended solely for use with expressed model(s) and may be unsuitable with models unnamed.

The publication identified in Table 1.1 was created solely for information purposes and should not be considered all-inclusive. If further information is required, contact your local Allied dealer or the Allied Customer Service Department.

Parts Manuals do not include safety precautions or operating procedures. Figures depict views that are intended for parts identification and not for purposes of repair or service of the product. Material presented in this manual, including tables, figures, descriptions and captions, may show equipment that is optional.

How to use this Manual:

The Allied work tool consists of separate components and partial assemblies. Components are identified with the aid of figures, captions, item key, part name and quantity. If needed, 'remarks' and 'specifications' will further clarify the part's description or denote assignment with select unit(s) by serial number.

An order form is provided at the back of this manual. Prior to ordering parts, 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 of this manual.

The content of this document has been reviewed for accuracy. Allied Construction Products, LLC has

endeavored to deliver the highest degree of accuracy and every effort has made to provide information as complete as possible. However, continuous improvement of our products is an Allied policy. The material in this publication, including figures, captions, descriptions, remarks and specifications. describe the product at the time of its printing, and may not reflect the product in the future. A table of revision history for this document is found on the inside cover.

1.2 How To Order Replacement Publications

This manual is an integral part of this product. Keep it in a convenient location so that it is easily accessible for future reference. If replacement manuals are required, they may be ordered by contacting your Allied dealer service center. Manuals may also be viewed and downloaded at: www.alliedcp.com

1.3 Related Publications

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

1.3.1 Safety, Operation & Maintenance Manual SOM576778

Applicable Models: AR Series 70D,75B,85B,95B

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 & General 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]

1.3.2 Repair Manual A101230

Applicable Models: AR-Series AR48 thru AR95B

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

1.3.3 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, <u>Hydraulic Mounted</u> <u>Breakers</u>.

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 Location of the Serial Number

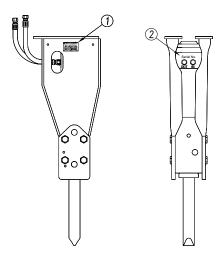


Fig 2-1 Equipment Identification

The Serial Number assigned to this equipment is stamped in the following locations:

Location 1: Equipment Identification Tag

Location 2: Valve Housing

2.2 Equipment Identification Tag



Fig 2-2 Equipment Identification Tag

The Equipment Identification Tag is affixed to the housing plates. It provides the following information:

- Manufacturer's name
- Address
- Product name
- Model number
- Serial number
- Year of manufacture
- Weight

Verify that the information contained on the Identification Tag corresponds with the information provided in Section 1 of this manual.

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.

- Record the equipment's serial number to the space provided below. This information may be obtained from the Equipment Identification Tag. Refer to Fig 2-1 for the location of the tag.
- Indicate the date in which the Allied equipment was placed into service.
- Indicate the date in which the Warranty Registration form was completed and returned to Allied.

Product Name:	Hydraulic Breaker				
Series:	AR				
Model / Part No.	AD05 / A402240				
Model / Part No.	AR85B / 572540				
Serial Number:					
In Service Date:					
Registration Date:					

3.0 Safety, Identification and Information Labels

3.1 Label Description and Location

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

illustrations are readable. Replace damaged or missing labels before operating this equipment. Refer to Table 3.1 for ordering information. Refer to Figure 3-14 for the position of the label on the equipment.

Fig.	<u>Label</u>	<u>Description</u>
3-1		READ THE MANUAL – Safety Alert Symbol with pictogram of open book. It is important to read and understand information and follow instructions contained in the manual.
3-2		STAY CLEAR – Decal alerts personnel and by-standers to maintain a safe distance from the Breaker during operation.
3-3	1. THE OPERATOR MUST BE FIRLY PROTECTED BY A PROTECTIVE SWIELD BETWEEN THE OPERATOR AND PROTECTIVE SWIELD BETWEEN THE OPERATOR AND PROTECTIVE FROM THE HAMMER, WORK AREA ANDON A SWIELD REPORT OF A LINK OF A PATAMOERS AND A SWIELD SWIE	FLYING DEBRIS – Alerts personnel to the hazard of fragments becoming projectiles. It directs personnel to the Safety, Operation and Maintenance Manual for instructions about the use of a shield between the breaker and machine to protect the operator from injury. NOTE: Place the smaller size decal in a conspicuous location inside the operator's cab.
3-4	1. The operator must be fully protected by a protective shield between the operator and hammer. 2. Do not weld, cut with acetylene torch or hard-face this tool. 3. See the Operators Manual for correct reshorpening methods. ALLED	TOOL SHARPENING – Decal warns against welding, cutting, or hard-facing the tool. It directs personnel to the Safety, Operation and Maintenance Manual for approved sharpening methods.
3-5	PRESSURIZED NITROGEN NITROGEN OF SERVICES CHARGING ON SERVICES	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	3	LIFT POINT – Decal identifies approved lift points.
3-7	IMPORTANT HYDRAULIC BREAKER TOOL MUST BE LUBRICATED EVERY 2 HOURS TO LUBRICATE: STAND HYDRAULIC BREAKER VERTICALLY AND APPLY CONTACT PRESSURE TO THE TOOL MALED	LUBRICATION – Decal identifies the lubrication point, frequency and importance of proper positioning with contact pressure applied to tool before lubricating.

3.0 Safety and Information Labels –[cont'd]

3.1 Label Description and Location -[cont'd]

Fig.	<u>Label</u>	Description
3-8		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.
3-9	PRESSURE LINE	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.
3-10		Allied "A" with Hard Hat and Background Stripes
3-11	ALLIED .	ALLIED LOGO – This decal is the Allied brand identifier and is a registered trademark of Allied Construction Products, LLC.
3-12	AR85 AR85B	MODEL – Decal identifies the specific model.
3-13	**STAR SERIES MODEL NUMBER SERIAL NUMBER YEAR WEIGHT (LBS.)	EQUIPMENT 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 & Information Labels- [cont'd]

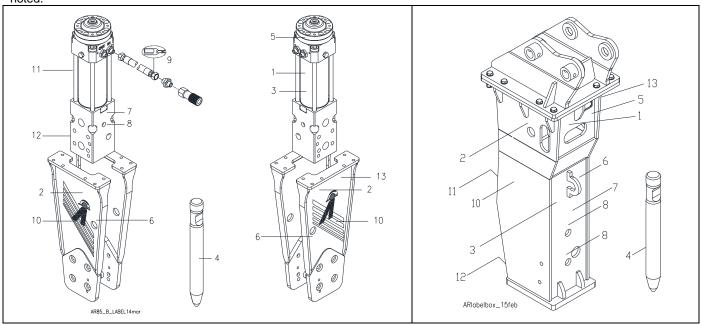


Fig. 3-14 Label Positions

Table 3.1 Label Set

<u>ltem</u>	<u>Description</u>	Part No.	Model	<u>Qty</u>	Remarks / Specifications
	Label Set Complete-AR85	103328		1-Set	Set includes 1-12
	Label Set Complete-AR85B	572541	В	1-Set	Set includes 1-12
1	Decal – Read the Manual / Instructions	676984		1	
2	Decal – Stay Clear	657841		2	
3	Decal – Danger (Small)	657839		2	Place one of these in conspicuous location inside cab
4	Decal – Tool Sharpening	657838		1	
5	Decal – Pressurized Accumulator	102756		1	
6	Decal – Lift Point	676982		2	
7	Decal – Lube w/ Tool In	677334		1	
8	Decal – Lubrication Point	A101725		1	
9	Pressure ID Tag	818676		1	Attach to supply hose [IN]
10	Decal - Allied "A" w/ Stripes	576280		2	
11	Decal – Allied Logo	576287		1	
12.1	Decal – Model AR85	103329			
12.2	Decal – Model AR85B	572539	В	1	
13	Equipment ID Tag	819026		1	Item 13 not included in Set

4.0 Parts Information – Housing Plates

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

4.1.1 Housing Plates

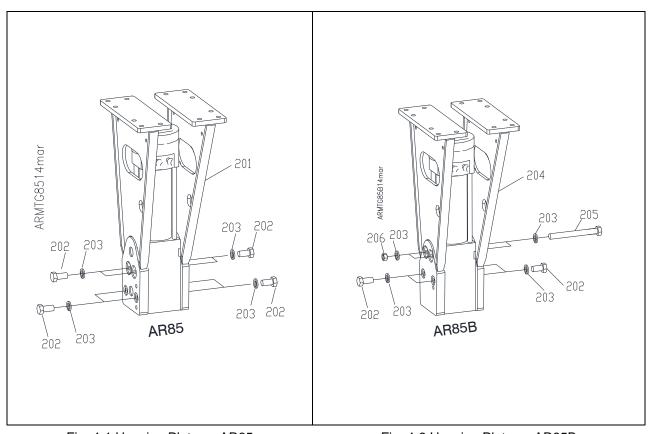


Fig. 4-1 Housing Plates – AR85

Fig. 4-2 Housing Plates – AR85B

Table 4.1 Housing Plates – AR85 (Fig. 4-1)

<u>ltem</u>	<u>Description</u>	Part No.	<u>Qty</u>	Remarks / Specifications
201	Housing Plates LH / RH	658569	1-Set	Std Config. SR / SCS
202	Hex Head Bolt	103326	8	M27x50
203	Lock Washer	103327	8	

Table 4.2 Housing Plates – AR85B (Fig. 4-2)

<u>ltem</u>	<u>Description</u>	Part No.	<u>Model</u>	<u>Qty</u>	Remarks / Specifications
202	Hex Head Bolt	103326	В	4	M27x50
203	Lock Washer	103327	В	8	
204	Housing Plates LH / RH	572534	В	1-Set	Std Config. SR / SCS
205	Hex Head Bolt	572537	В	2	M27x280
206	Hex Nut	572538	В	2	

4.1 Housing Plates

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

4.1.2 Housing Box - AR85B

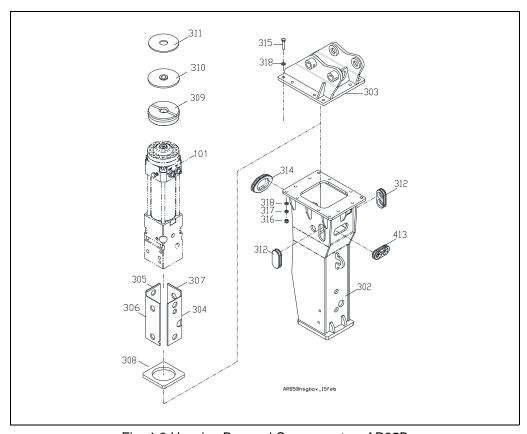


Fig. 4-3 Housing Box and Components – AR85B

Table 4.3 Housing Box – AR85B (Fig. 4-2)

<u>Item</u>	<u>Description</u>	Part No.	Model	<u>Qty</u>	Remarks / Specifications
101	Breaker Assy.		В		
302	Housing Box		В		
303	Mounting Bracket	Varies	В		Not included. Order separately.
304	Wear Plate	B0800030	В		
305	Wear Plate	B0800040	В		
306	Wear Plate	B0800050	В		
307	Wear Plate	B0800060	В		
308	Bottom Buffer	B0800070	В		
309	Top Buffer	B0800080	В		
310	Top Plate Assy.	B0800090	В		
311	Top Wear Plate	B0800100	В		
312	Rubber Plug	B0806800	В		
313	Rubber Plug	B0806820	В		
314	Rubber Plug	B0806810	В		
315	Bolt Set		В		315,315,317,318 Refer to Table 7.1

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

4.2 Breaker Assembly

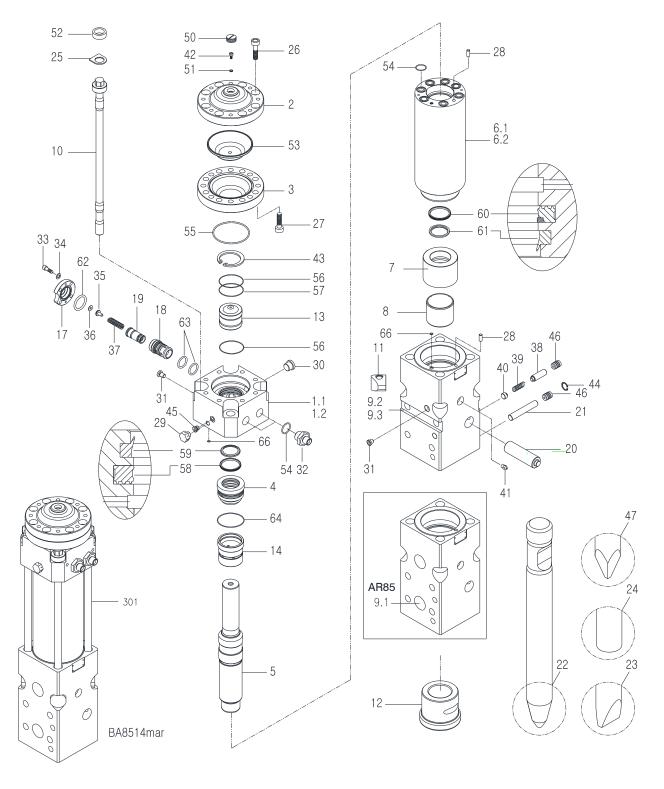


Fig. 4-4 Breaker Assembly - AR85, AR85B

Table 4.4 Breaker Assembly – AR85, AR85B

14	Description	Dort No.	Madal	04	Demonto / Cupalifications
<u>Item</u>	<u>Description</u>	Part No.	<u>Model</u>	<u>Qty</u>	Remarks / Specifications
1.1	Valve Housing	103315	_ 2)	1	2)
1.2		B0806710	B 2)		²⁾ SN-01172&UP
2	Accumulator Cover	676213		1	Upper
3	Accumulator Cover	103319		1	Lower
4	Seal Housing	676231		1	
5	Piston	103318		1	
6.1	Cylindor	103316		1	
6.2	Cylinder	B0806720	B 2)	1	²⁾ SN-01172&UP
7	Thrust Ring	103320		1	
8	Tool Bushing, Upper	103321		1	
9.1		103317			
9.2	Front Head	572536	B 1)	1	1) SN-01171&DOWN
9.3		B0806730	B 2)		²⁾ SN-01172&UP
10	Side Rod	676222		4	
11	Side Rod Nut	676237		4	
12	Tool Bushing, Lower	103322		1	
13	Bushing	676221		1	
14	Distributor	676232		1	
17	Regulator Cover	676230		1	
18	Regulator Guide	676226		1	
19	Regulator Spool	676227		1	
20	Tool Retainer Pin	103323		1	
21	Bushing Pin	103325		1	
22	Tool Selection	Varies		1	Items 22,23,24,47 Refer to Table 5.1
25	Lock plate, Side Rod	676223		4	
26	Socket Head Bolt	676219		8	M18
27	Socket Head Bolt	676218		8	M16
28	Guide Pin	676183		2	
29	Vent Plug	676215		1	
30	Threaded Plug	676216		1	
31	Threaded Plug	676159		2	
32	Adapter	667710		2	
33	Socket Head Bolt	940587		4	
34	Disc Lock Washer	571053		4	

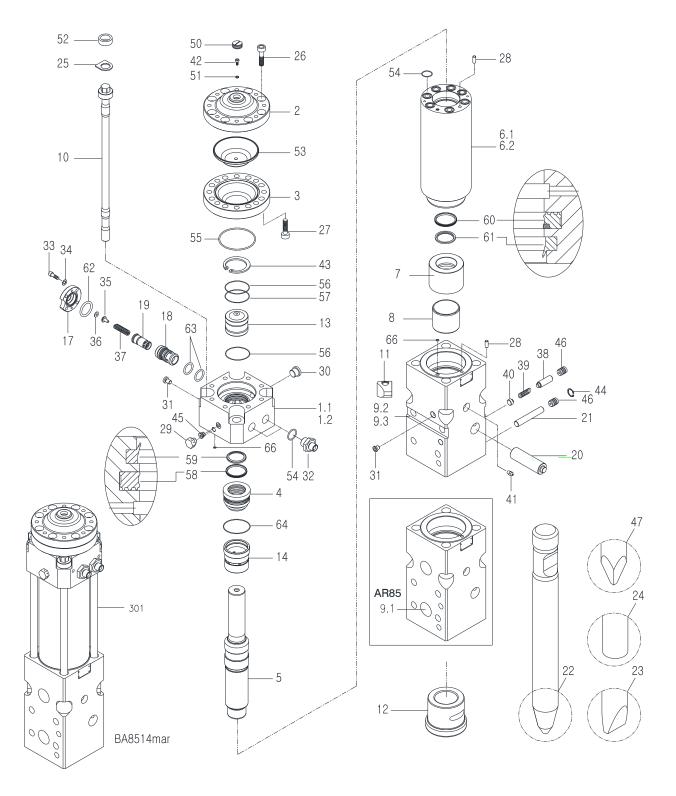


Fig. 4-4 Breaker Assembly - AR85, AR85B

Table 4.4 Breaker Assembly AR85, AR85B –[cont'd]

<u>Item</u>	<u>Description</u>	Part No.	<u>Model</u>	<u>Qty</u>	Remarks / Specifications
35	Regulator Spring Guide	676228		1	
36	Regulator Shim Plate	676229		1	
37	Regulator Spring	676225		1	
38	Plunger Pin	676193		1	
39	Plunger Spring	676242		1	
40	Plunger Pin Spring Guide	676195		1	
41	Lubrication Fitting	816675		1	
42	Gas Bolt	676161		1	
43	Snap Ring	676220		1	
44	Snap Ring	103034		1	
45	Threaded Plug	102241	B 2)	1	²⁾ SN-01172&UP
46	Rubber Plug	676243		2	
50	Protective Cap	676157		1	
51	Usit Ring	676201		1	
52	Rubber Ring	676224		4	
53	Membrane	103324		1	
54	O-Ring	676204		9	
55	O-Ring	101330		1	
56	O-Ring	676248		2	
57	Back-Up Ring	676250		1	
58	Seal, Upper	676252		1	
59	Wiper, Upper	676253		1	
60	Seal, Lower	676255		1	
61	Wiper, Lower	676256		1	
62	O-Ring	676251		1	
63	O-Ring	676206		2	
64	O-Ring	676257		1	
66	O-Ring	A0607130	B 2)	2	²⁾ SN-01172&UP

4.3 Hydraulic Connections

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

4.3 Hydraulic Connections

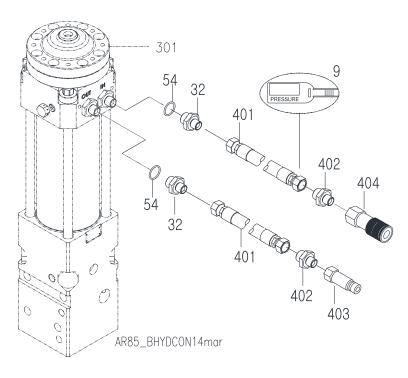


Fig 4-5 Hydraulic Connections

Table 4.5 Hydraulic Connections - AR85, AR85B

Tubio 1	o riyaraano oomioodono	711100, 711100B		
<u>ltem</u>	<u>Description</u>	Part No.	<u>Qty</u>	Remarks / Specifications
9	Pressure ID Tag	818676	1	Located On Supply Hose [IN]
32	Adapter	667710	2	
54	O-ring	676204	2	
401	Hose Assembly	657642	2	
402	Adapter	798120	2	
403	Q.D. Plug	670008	1	
404	Q.D. Socket	670007	1	
405	Check Valve	670270	1	Not pictured. Note ¹
406	Adapter w/ Port	708726	1	Not pictured. Note ¹
407	Hex Plug	667566	2	Not pictured. Note ¹

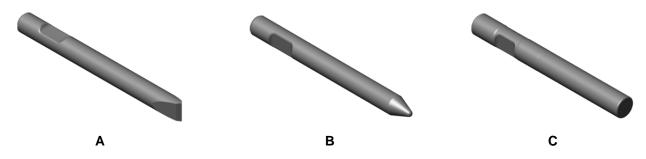
¹⁾ Usage limited to early AR85. Its use is discontinued.

5.0 Tool Selection Guide - Standard & Specialty

5.1 Standard Type Tools

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

- A. Chisel Suitable applications include soft rock and general demolition of concrete. The tool penetrates into the material, forcing it to separate. The wedge is useful when cutting action is required, e.g. benching and trenching.
- B. Conical (Moil) Point Same applications as 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.



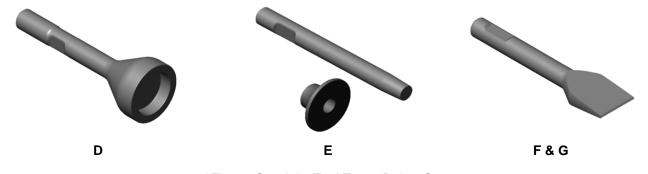
*Fig. 5-1 Standard Tool Types A thru C.

5.2 Specialty Type 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.

- 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.



*Fig 5-2 Specialty Tool Types D thru G.

For availability of tool types not listed, contact Allied.

^{*}Shown are general illustrations. Actual tool design may vary.

^{**}Not available for all models.

5.0 Tool Selection Guide - [cont'd]

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

5.3 Tool Selection

Table 5.1 Standard Tools - AR85, AR85B

<u>ltem</u>	<u>Description</u>	Part No.	TD ³⁾ x WL ⁴⁾ in. [mm]	Weight-lbs. [kg]
22 B	Conical Point	100659	2.25 [05] v.40 [457]	74 [22]
22-B	Conical Point	100658	3.35 [85] x 18 [457]	71 [32]
23-A 1)	Chisel Cross Cut	100659	3.35 [85] x 18 [457]	71 [32]
	Chisel In-Line	103356	3.35 [85] x 18 [457]	71 [32]
24-C	Blunt End	103357	3.35 [85] x 18 [457]	75 [34]
47	Moil (Not Pictured)	²⁾		

¹⁾ Standard tool supplied with Breaker

⁴⁾ WL-Working Length

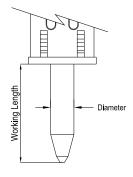


Fig. 5-3 Tool Diameter & Working Length

5.4 Lubricant for Bushings and Tool

5.4.1 Allied Chisel Paste

Wear costs money, sometimes lots of money. Without lubrication to prevent metal-to-metal contact, bushings and tools will quickly wear from friction related damage.

A key element in managing wear of the bushing and tool is through the regular use of a high-quality lubricant. Formulated as a 'specialty' lubricant, Allied Chisel Paste is ideally suited for use in applications requiring long-lasting protection against damage from heavy loaded, sliding motion and high heat.

Allied Chisel Paste performs exceptionally well in this application due to its 'unique blend' of liquid and dry film lubricants. Dry film lubricants, which include solids of molybdenum, graphite and copper, combine to form a highly effective layer that resists being squeezed out during periods of heavy loading (extreme pressure).

Grease labeled 'General / Multi-Purpose' will typically contain only modest amounts of solid lubricants or none at all. When the tool is loaded against the bushing, the liquid lubricant is squeezed out, leaving metal surfaces unprotected.

5.4.1 Ordering Information

Table 5.2 Chisel Paste

<u>Container</u>	<u>Packaging</u>	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

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

³⁾ TD- Tool Diameter

6.0 Service Kits and Tools

6.1 Tune-up Kits

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

Tune-up kits can help restore breaker performance and are offered in a convenient all-in-one packaged kit. Each kit contains common wear parts that generally need replaced at the same time.

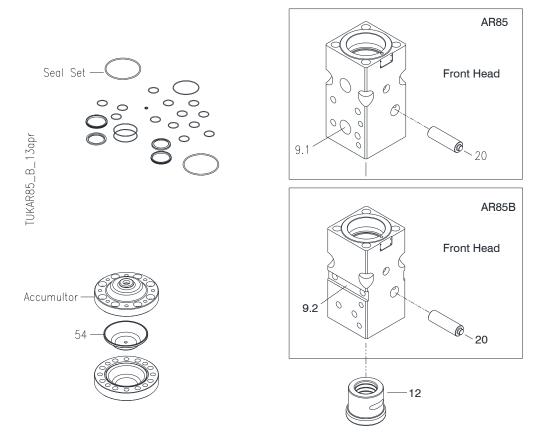


Fig. 6-1: Tune-Up Kit – Model AR85 & AR85B

Table 6.1 Tune-Up Kit – AR85, AR85B

<u>Item</u>	<u>Description</u>	Part No.	<u>Qty</u>	Remarks / Specifications
	Tune-up Kit	103826	1-Kit	Kit includes all items listed in Table 6.1
	Seal Set Complete	103314	1	Refer to Table 6.2
12	Lower Tool Bushing	103322	1	
20	Tool Retainer	103323	1	
54	Accumulator Membrane	676217	1	

6.0 Service Kits and Tools - [cont'd]

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

6.2 Seal Set - 103314

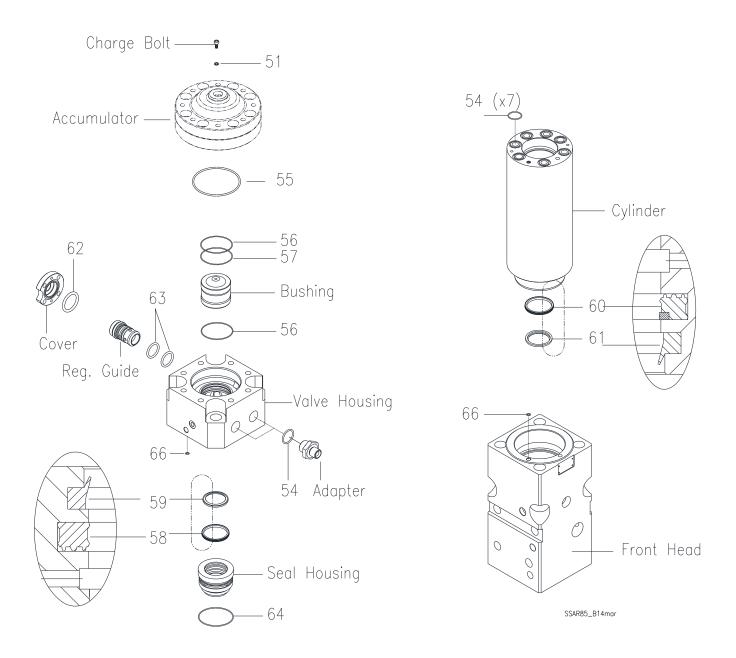


Fig. 6-2: Seal Positions – AR85 & AR85B

6.0 Service Kits and Tools - [cont'd]

Figures and descriptions represent standard configurations. Tables and figures are common to all serial numbers except where noted.

Table 6.2 Seal Set Complete – AR85 and AR85B

<u>Item</u>	<u>Description</u>	Part No.	Model	<u>Qty</u>	Remarks / Specifications
	Seal Set	103314		1 Set	Set includes items listed
51	Usit Ring	676201		1	
54	O-Ring	676204		9	Discard if adapters [IN] & [OUT] are equipped with bonded seal
55	O-Ring	101330		1	
56	O-Ring	676248		2	
57	Back-Up Ring	676250		1	
58	Seal, Upper	676252		1	
59	Wiper, Upper	676253		1	
60	Seal, Lower	676255		1	
61	Wiper, Lower	676256		1	
62	O-Ring	676251		1	
63	O-Ring	676206		2	
64	O-Ring	676257		1	
66	O-Ring	A0607130	B 2)	2	²⁾ SN-01172&UP
	Thread Lube 2 oz.	676927		1	Follow application instructions





Follow all instructions given in Repair Manual 101230

IMPORTANT

Contamination interferes with reliable operation and will shorten component life. Prevent dirt and debris from entering the hydraulic system. Always work in a clean area. Keep seals properly stored in their original, sealed package until ready for use.

IMPORTANT

Apply thread lube included in seal set to threads of side rods at assembly. DO NOT apply Thread Lube to seals!

6.0 Service Kits and Tools - [cont'd]

6.2 Accumulator N2 Gas Charge Equipment

The accumulator is a self-contained pressure vessel, designed to help the breaker operate efficiently and reliably. An elastic membrane (A) divides the inner chamber. The lower chamber receives, stores and discharges pressurized oil. The upper chamber is pressurized with nitrogen gas (N2).

Pressurizing (pre-charging with dry nitrogen gas) the accumulator is accomplished with the charging tool (Fig. 6-3). The table below lists the items included with the charging kit. The kit will service most accumulators found on the AR-series breakers. NOTE: The nitrogen bottle (E) gas is NOT included.

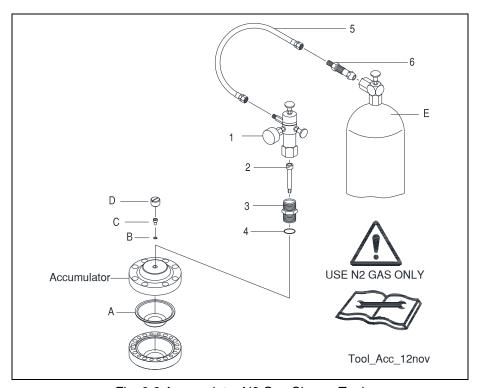


Fig. 6-3 Accumulator N2 Gas Charge Tool

Table 6.3 Accumulator N2 Gas Charge Kit

<u>Item</u>	Description	Part No.	Qty	Remarks / Specifications
	N2 Gas Charge Kit	570071	1-Kit	Kit includes items 1,2,3,4,5,6
1	Charge Valve with Gauge	100527	1	Items 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 Safety, Operation and Maintenance Manual part number 576778.

7.0 Mounting Information

7.1 Housing Types and Mounting Brackets

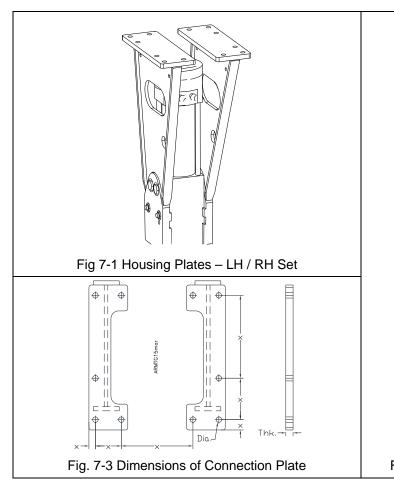
The Breaker assembly is equipped with either housing plates (Fig. 7-1) or housing box (Fig. 7-2, item 402). Installation of a mounting bracket (sold separately) is required before the Breaker can be attached to a carrier. Allied offers an array of bolt-on mounting brackets to fit virtually any carrier, including those equipped with pin-grab or hook-type quick mounting couplers.

7.2 Connection Plate

The mounting bracket (Fig. 7-2, item 403) is bolted to the connection plate (Fig. 7-3) located at the upper end

of the housing plates/box. The dimensions of the connection plate, including thickness, spacing, quantity and diameter of the bolt holes, can be found in the Safety, Operation & Maintenance Manual.

In Table 7.1, the mounting "Family" designates a sizing system used by Allied to identify a given connection plate. Other Allied work tools, including the Ho-Pac®, utilize these same mounting Families.



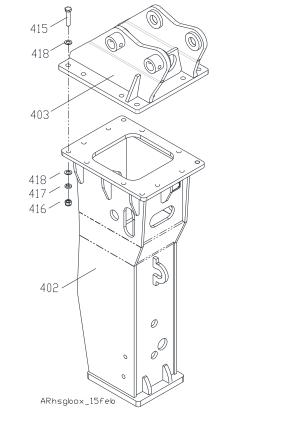


Fig. 7-2 Housing Box, Mounting Bracket, Bolt Set

Table 7.1 Mounting Family & Hardware (Qty)

<u>Family</u>	Breaker Model	<u>Bolt</u>	FL Washer	LK Washer	<u>Nut</u>		
SR	AR85B, AR95B	572352 (10)	679422 (20)	571027 (10)	572353 (10)		
		18M CL10.9	18M	18M	18M		
A	Refer	Refer to the Safety, Operation and Maintenance manual for the proper tightening torque.					

8.0 How To Order Spare Parts

better operat Name	ocal Allied dealer requires complete information to assist you with questions regarding parts, warranty, ion, maintenance, or repair. This information, Product, Model and Serial Number, should be noted in Section this manual.	Sei Mo	oduct ries / del rial No.	Hydraulic Impact	Breaker	
Please	e fill out completely					
Line	Description			Part Number	Quantity	Price
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
Your N Phone Fax Email		Accoun Purcha	ny Name it Numbe se order ig method	r	wc	
Billing	Address	Shippin	g Addres	ss		
						
	All backordered parts will be shipped when available hecked below: als Ship complete order only Ship available parts and contact customer on a contact				inal order unle	ss initialed

	Allied Construction Products, LLC www.alliedcp.c				
NOTES					





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