

# STANLEY®

## BR67 HYDRAULIC BREAKER



### USER MANUAL Safety, Operation and Maintenance



© 2014 Stanley Black & Decker, Inc.  
New Britain, CT 06053  
U.S.A.  
09278 12/2015 Ver. 22

# DECLARATION OF CONFORMITY

DECLARATION OF CONFORMITY  
ÜBEREINSTIMMUNGS-ERKLÄRUNG  
DECLARATION DE CONFORMITE CEE  
DECLARACION DE CONFORMIDAD  
DICHIARAZIONE DI CONFORMITA



I, the undersigned:  
Ich, der Unterzeichnende:  
Je soussigné:  
El abajo firmante:  
Io sottoscritto:

**Weisbeck, Andy**

Surname and First names/Familiennamen und Vornamen/Nom et prénom/Nombre y apellido/Cognome e nome

hereby declare that the equipment specified hereunder:  
bestätige hiermit, daß erklaren Produkt genannten Werk oder Gerät:  
déclare que l'équipement visé ci-dessous:  
Por la presente declaro que el equipo se especifica a continuación:  
Dichiaro che le apparecchiature specificate di seguito:

- Category: **Hydraulic Hand Held Concrete Breaker**  
Kategorie:  
Catégorie:  
Categoria:  
Categoria:
- Make/Marke/Marque/Marca/Marca **Stanley**
- Type/Typ/Type/Tipo/Tipo: **BR6713801A, BR6717801A, BR6717801AA, BR67320**
- Serial number of equipment:  
Seriennummer des Geräts:  
Numéro de série de l'équipement:  
Numero de serie del equipo:  
Matricola dell'attrezzatura:  

<b>BR6713801A</b>	<b>All</b>
<b>BR6717801A</b>	<b>All</b>
<b>BR6717801AA</b>	<b>All</b>
<b>BR6717802AA</b>	<b>All</b>
<b>BR67320</b>	<b>Serial # 030212033 and above</b>
- Mass/Masse/Masse/Masa/Massa **31 kg**

Has been manufactured in conformity with  
Wurde hergestellt in Übereinstimmung mit  
Est fabriqué conformément  
Ha sido fabricado de acuerdo con  
E' stata costruita in conformità con

Directive/Standards Richtlinie/Standards Directives/Normes Directriz/Los Normas Direttiva/Norme	No. Nr Numéro No n.	Approved body Prüfung durch Organisme agréé Aprobado Collaudato
ISO Noise Directive	11148-4:2010 2000/14/EC:2005	Self AkustikNet (Notified body ID 1585) Bagsvard Hovedgade 141, 2880 Bagsvard, Denmark Certificate #863/2011/004
Machinery Directive ISO	2006/42/EC:2006 28927-10:2011	Self Self

- Special Provisions: **None**  
Spezielle Bestimmungen:  
Dispositions particulières:  
Provisiones especiales:  
Disposizioni speciali:
- Measurements: **Measured Sound Power Level 103 LwA**  
**Guaranteed Sound Power Level 105 LwA**  
Measured in accordance to Directive 2000/14/EC,  
Annex III, Part B, No 10, m  $\geq$  30
- Representative in the Union: **Patrick Vervier, Stanley Dubuis 17-19, rue Jules Berthonneau-BP 3406 41034 Blois Cedex, France.**  
Vertreter in der Union/Représentant dans l'union/Representante en la Union/Rappresentante presso l'Unione

Done at/Ort/Fait à/Dado en/Fatto a Stanley Hydraulic Tools, Milwaukie, Oregon USA Date/Datum/le/Fecha/Data 1-30-12

Signature/Unterschrift/Signature/Firma/Firma

Position/Position/Fonction/Cargo/Posizione Director of Product Development

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## IMPORTANT

To fill out a Product Warranty Validation form, and for information on your warranty, visit [Stanleyhydraulics.com](http://Stanleyhydraulics.com) and select the Company tab, Warranty.  
(NOTE: The warranty Validation record must be submitted to validate the warranty).

**SERVICING:** This manual contains safety, operation, and routine maintenance instructions. Stanley Hydraulic Tools recommends that servicing of hydraulic tools, other than routine maintenance, must be performed by an authorized and certified dealer. Please read the following warning.

## ⚠ WARNING

**SERIOUS INJURY OR DEATH COULD RESULT FROM THE IMPROPER REPAIR OR SERVICE OF THIS TOOL.**

**REPAIRS AND / OR SERVICE TO THIS TOOL MUST ONLY BE DONE BY AN AUTHORIZED AND CERTIFIED DEALER.**

For the nearest authorized and certified dealer, call Stanley Hydraulic Tools at the number listed on the back of this manual and ask for a Customer Service Representative.

## SAFETY SYMBOLS

Safety symbols and signal words, as shown below, are used to emphasize all operator, maintenance and repair actions which, if not strictly followed, could result in a life-threatening situation, bodily injury or damage to equipment.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



This safety alert and signal word indicate an imminently hazardous situation which, if not avoided, will result in death or serious injury.



This safety alert and signal word indicate a potentially hazardous situation which, if not avoided, could result in death or serious injury.



This safety alert and signal word indicate a potentially hazardous situation which, if not avoided, could result in death or serious injury.



This signal word indicates a potentially hazardous situation which, if not avoided, may result in property damage.



This signal word indicates a situation which, if not avoided, will result in damage to the equipment.



This signal word indicates a situation which, if not avoided, may result in damage to the equipment.

Always observe safety symbols. They are included for your safety and for the protection of the tool.

## LOCAL SAFETY REGULATIONS

Enter any local safety regulations here. Keep these instructions in an area accessible to the operator and maintenance personnel.

[illegible]

# SAFETY PRECAUTIONS

Tool operators and maintenance personnel must always comply with the safety precautions given in this manual and on the stickers and tags attached to the tool and hose.

These safety precautions are given for your safety. Review them carefully before operating the tool and before performing general maintenance or repairs.

Supervising personnel should develop additional precautions relating to the specific work area and local safety regulations. If so, place the added precautions in the space provided in this manual.

The BR67 Hydraulic Breaker will provide safe and dependable service if operated in accordance with the instructions given in this manual. Read and understand this manual and any stickers and tags attached to the tool and hoses before operation. Failure to do so could result in personal injury or equipment damage.



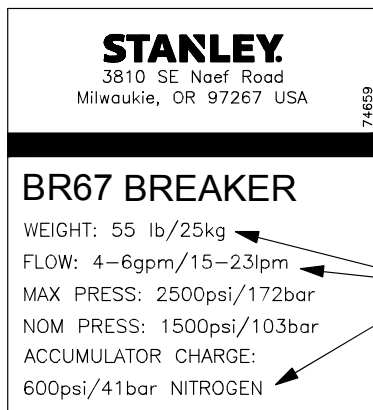
- Operator must start in a work area without bystanders. The operator must be familiar with all prohibited work areas such as excessive slopes and dangerous terrain conditions.
- Establish a training program for all operators to ensure safe operation.
- Do not operate the tool unless thoroughly trained or under the supervision of an instructor.
- Always wear safety equipment such as goggles, gloves, ear, head, and breathing protection, and safety shoes at all times when operating the tool.
- Do not inspect, carry or clean the tool while the hydraulic power source is connected. Accidental engagement of the tool can cause serious injury.
- Supply hoses must have a minimum working pressure rating of 2500 psi/175 bar.
- Be sure all hose connections are tight.
- The hydraulic circuit control valve must be in the "OFF" position when coupling or uncoupling the tool. Wipe all couplers clean before connecting. Use only lint-free cloths. Failure to do so may result in damage to the quick couplers and cause overheating of the hydraulic system.
- Do not operate the tool at oil temperatures above 140 °F/60 °C. Operation at higher oil temperatures can cause operator discomfort and may damage the tool. Never come in contact with the tool bit, the bit can get hot.
- Do not operate a damaged, improperly adjusted, or incompletely assembled tool.
- Do not weld, cut with an acetylene torch, or hard-face the tool bit.
- To avoid personal injury or equipment damage, all tool repair, maintenance and service must only be performed by authorized and properly trained personnel.
- Do not exceed the rated limits of the tool or use the tool for applications beyond its design capacity.
- Always keep critical tool markings, such as labels and warning stickers legible.
- Always replace parts with replacement parts recommended by Stanley Hydraulic Tools.
- Check fastener tightness often and before each use daily.
- Never operate the tool if you cannot be sure that underground utilities are not present.
- Do not wear loose fitting clothing when operating the tool.
- **Warning:** Use of this tool on certain materials during demolition could generate dust potentially containing a variety of hazardous substances such as asbestos, silica or lead. Inhalation of dust containing these or other hazardous substances could result in serious injury, cancer or death. Protect yourself and those around you. Research and understand the materials you are cutting. Follow correct safety procedures and comply with all applicable national, state or provisional health and safety regulations relating to them, including, if appropriate arranging for the safe disposal of the materials by a qualified person.

## SAFETY PRECAUTIONS

- Warning: Hydraulic fluid under pressure could cause skin injection injury. If you are injured by hydraulic fluid, get medical attention immediately.
- Keep all body parts away from the working tool.
- When handling material or the tool bit, wear your (PPE) Personal Protection Equipment.
- Be observant of the hydraulic hoses lying about the work area, they can be a tripping hazard.
- Always de-energize the hydraulic system when changing a tool bit.
- Take caution when changing a tool bit, tool bits can get very hot.
- Never use the tool in an explosive atmosphere, sparks from the breaking process could ignite explosive gas.
- Use proper lifting techniques when handling the tool, get help from a co-worker and do not over-reach.
- Use proper protection from falling or flying debris, keep bystanders at a safe distance.
- Do not exceed the rated flow and pressure. See Specifications in this manual for correct flow rate and pressure rating. Rapid failure of the internal seals may result.

# TOOL STICKERS & TAGS

Please refer to the Parts Illustration for location of stickers.



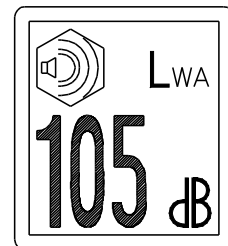
These numbers are for example only and may not relate to your model of breaker, see part numbers below for name tag stickers that fits your model breaker.



28322  
CE Sticker



11207  
Circuit Type D  
Decal  
(CE Only)



66654  
Guaranteed Sound Level  
Decal (CE Only)

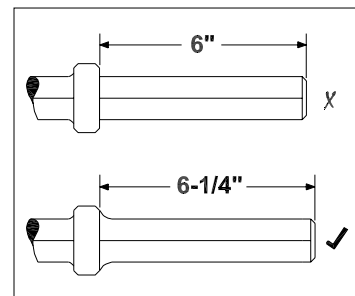
74667  
Name Tag Sticker  
T-Handle  
Used On Models:  
BR67120  
BR67120E  
BR67120D  
BR67130  
BR67130E

74668  
Name Tag Sticker  
Anti-Vibe  
Used On Models:  
BR67125  
BR67135  
BR6713516  
BR6717801A

74671  
Name Tag Sticker  
Under Water  
Used On Model:  
BR67320



28409  
Composite Decal  
(CE Only)



11208  
Hex Shank Sticker

# STANLEY®

74832 Decal Stanley Logo (5.5" x 1.1" Black on Clear)  
Used on: BR67120, BR67120E, BR67125, BR67130,  
BR67130E, BR67135 and BR6717801A.

# STANLEY®

74770 Decal Stanley Logo (6.5" x 1.3" Yellow on Clear)  
Used on: BR67120D, BR6713516 and BR67320.

The safety tag (P/N 15875) at right is attached to the tool when shipped from the factory. Read and understand the safety instructions listed on this tag before removal. We suggest you retain this tag and attach it to the tool when not in use.

**DANGER**

1. FAILURE TO USE HYDRAULIC HOSE LABELED AND CERTIFIED AS NON-CONDUCTIVE WHEN USING HYDRAULIC TOOLS ON OR NEAR ELECTRICAL LINES MAY RESULT IN DEATH OR SERIOUS INJURY.  
BEFORE USING HOSE LABELED AND CERTIFIED AS NON-CONDUCTIVE ON OR NEAR ELECTRICAL LINES BE SURE THE HOSE IS MAINTAINED AS NON-CONDUCTIVE. THE HOSE SHOULD BE REGULARLY TESTED FOR ELECTRIC CURRENT LEAKAGE IN ACCORDANCE WITH YOUR SAFETY DEPARTMENT INSTRUCTIONS.
2. A HYDRAULIC LEAK OR BURST MAY CAUSE OIL INJECTION INTO THE BODY OR CAUSE OTHER SEVERE PERSONAL INJURY.
  - A. **DO NOT EXCEED SPECIFIED FLOW AND PRESSURE FOR THIS TOOL.** EXCESS FLOW OR PRESSURE MAY CAUSE A LEAK OR BURST.
  - B. **DO NOT EXCEED RATED WORKING PRESSURE OF HYDRAULIC HOSE USED WITH THIS TOOL.** EXCESS PRESSURE MAY CAUSE A LEAK OR BURST.
  - C. CHECK TOOL HOSE COUPLERS AND CONNECTORS DAILY FOR LEAKS. DO NOT FEEL FOR LEAKS WITH YOUR HANDS. CONTACT WITH A LEAK MAY RESULT IN SEVERE PERSONAL INJURY.

**IMPORTANT**

READ OPERATION MANUAL AND SAFETY INSTRUCTIONS FOR THIS TOOL BEFORE USING IT.

USE ONLY PARTS AND REPAIR PROCEDURES APPROVED BY STANLEY AND DESCRIBED IN THE OPERATION MANUAL.

TAG TO BE REMOVED ONLY BY TOOL OPERATOR.

SEE OTHER SIDE

**DANGER**

- D. DO NOT LIFT OR CARRY TOOL BY THE HOSES. DO NOT ABUSE HOSE. DO NOT USE KINKED, TORN OR DAMAGED HOSE.
3. MAKE SURE HYDRAULIC HOSES ARE PROPERLY CONNECTED TO THE TOOL BEFORE PRESSURING SYSTEM. SYSTEM PRESSURE HOSE MUST ALWAYS BE CONNECTED TO TOOL "IN" PORT. SYSTEM RETURN HOSE MUST ALWAYS BE CONNECTED TO TOOL "OUT" PORT. REVERSING CONNECTIONS MAY CAUSE REVERSE TOOL OPERATION WHICH CAN RESULT IN SEVERE PERSONAL INJURY.
4. DO NOT CONNECT OPEN-CENTER TOOLS TO CLOSED-CENTER HYDRAULIC SYSTEMS. THIS MAY RESULT IN LOSS OF OTHER HYDRAULIC FUNCTIONS POWERED BY THE SAME SYSTEM AND/OR SEVERE PERSONAL INJURY.
5. BYSTANDERS MAY BE INJURED IN YOUR WORK AREA. KEEP BYSTANDERS CLEAR OF YOUR WORK AREA.
6. WEAR HEARING, EYE, FOOT, HAND AND HEAD PROTECTION.
7. TO AVOID PERSONAL INJURY OR EQUIPMENT DAMAGE, ALL TOOL REPAIR MAINTENANCE AND SERVICE MUST ONLY BE PERFORMED BY AUTHORIZED AND PROPERLY TRAINED PERSONNEL.

**IMPORTANT**

READ OPERATION MANUAL AND SAFETY INSTRUCTIONS FOR THIS TOOL BEFORE USING IT.

USE ONLY PARTS AND REPAIR PROCEDURES APPROVED BY STANLEY AND DESCRIBED IN THE OPERATION MANUAL.

TAG TO BE REMOVED ONLY BY TOOL OPERATOR.

SEE OTHER SIDE

Safety Tag P/N 15875 (shown smaller than actual size)

# HOSE TYPES

The rated working pressure of the hydraulic hose must be equal to or higher than the relief valve setting on the hydraulic system. There are three types of hydraulic hose that meet this requirement and are authorized for use with Stanley Hydraulic Tools. They are:

**Certified non-conductive** — constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. *Hose labeled **certified non-conductive** is the only hose authorized for use near electrical conductors.*

**Wire-braided** (conductive) — constructed of synthetic rubber inner tube, single or double wire braid reinforcement, and weather resistant synthetic rubber cover. *This hose is **conductive** and must never be used near electrical conductors.*

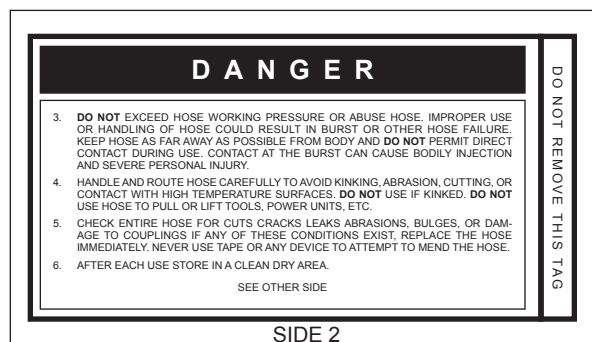
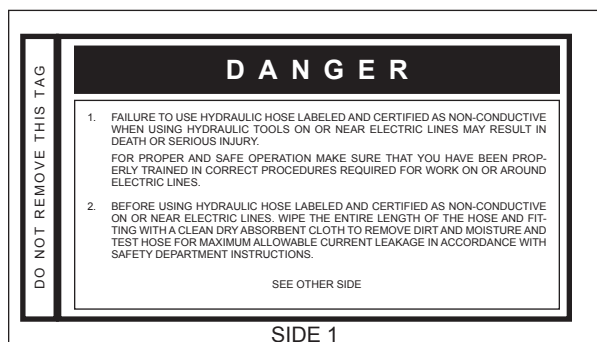
**Fabric-braided** (not certified or labeled non-conductive) — constructed of thermoplastic or synthetic rubber inner tube, synthetic fiber braid reinforcement, and weather resistant thermoplastic or synthetic rubber cover. *This hose is **not certified non-conductive** and must never be used near electrical conductors.*

## HOSE SAFETY TAGS

To help ensure your safety, the following DANGER tags are attached to all hose purchased from Stanley Hydraulic Tools. DO NOT REMOVE THESE TAGS.

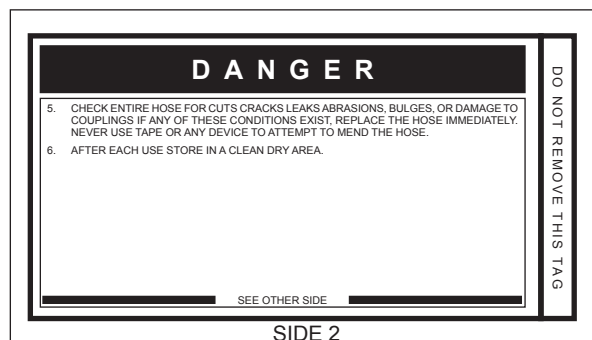
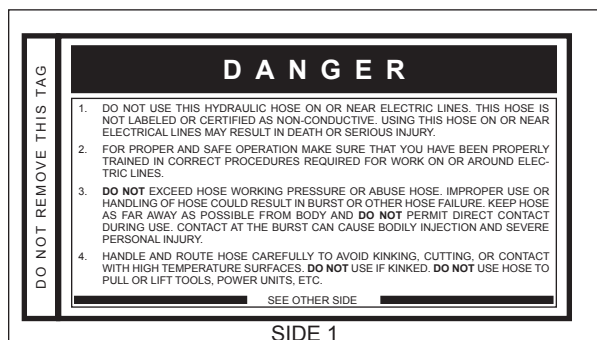
If the information on a tag is illegible because of wear or damage, replace the tag immediately. A new tag may be obtained from your Stanley Distributor.

### THE TAG SHOWN BELOW IS ATTACHED TO “CERTIFIED NON-CONDUCTIVE” HOSE



(Shown smaller than actual size)

### THE TAG SHOWN BELOW IS ATTACHED TO “CONDUCTIVE” HOSE.



(Shown smaller than actual size)



# HOSE RECOMMENDATIONS

## Tool to Hydraulic Circuit Hose Recommendations

The chart to the right shows recommended minimum hose diameters for various hose lengths based on gallons per minute (gpm)/liters per minute (lpm). These recommendations are intended to keep return line pressure (back pressure) to a minimum acceptable level to ensure maximum tool performance.

This chart is intended to be used for hydraulic tool applications only based on Stanley Hydraulic Tools tool operating requirements and should not be used for any other applications.

All hydraulic hose must have at least a rated minimum working pressure equal to the maximum hydraulic system relief valve setting.

**All hydraulic hose must meet or exceed specifications as set forth by SAE J517.**

Oil Flow		Hose Lengths		Inside Diameter		USE (Press/Return)	Min. Working Pressure	
GPM	LPM	FEET	METERS	INCH	MM		PSI	BAR
Certified Non-Conductive Hose - Fiber Braid - for Utility Bucket Trucks								
4-9	15-34	up to 10	up to 3	3/8	10	Both	2250	155
Conductive Hose - Wire Braid or Fiber Braid -DO NOT USE NEAR ELECTRICAL CONDUCTORS								
4-6	15-23	up to 25	up to 7.5	3/8	10	Both	2500	175
4-6	15-23	26-100	7.5-30	1/2	13	Both	2500	175
5-10.5	19-40	up to 50	up to 15	1/2	13	Both	2500	175
5-10.5	19-40	51-100	15-30	5/8	16	Both	2500	175
5-10.5	19-40	100-300	30-90	5/8	16	Pressure	2500	175
				3/4	19	Return	2500	175
10-13	38-49	up to 50	up to 15	5/8	16	Both	2500	175
10-13	38-49	51-100	15-30	5/8	16	Pressure	2500	175
				3/4	19	Return	2500	175
10-13	38-49	100-200	30-60	3/4	19	Pressure	2500	175
				1	25.4	Return	2500	175
13-16	49-60	up to 25	up to 8	5/8	16	Pressure	2500	175
				3/4	19	Return	2500	175
13-16	49-60	26-100	8-30	3/4	19	Pressure	2500	175
				1	25.4	Return	2500	175

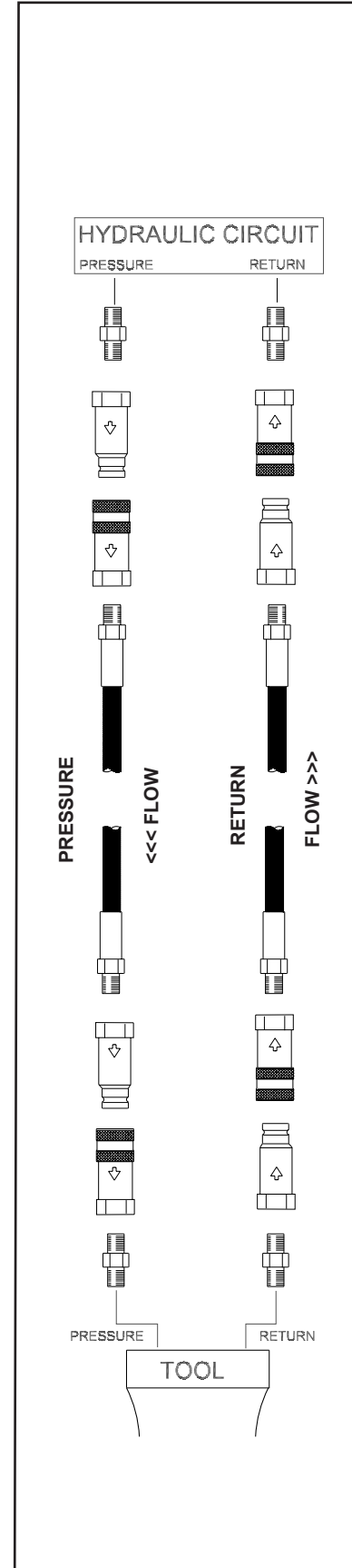


Figure 1. Typical Hose Connections

# HTMA / EHTMA REQUIREMENTS

## HTMA / EHTMA REQUIREMENTS

### HTMA

#### HYDRAULIC SYSTEM REQUIREMENTS

### TOOL TYPE

#### TYPE I

#### TYPE II

#### TYPE RR

#### TYPE III

Flow Range	4-6 gpm (15-23 lpm)	7-9 gpm (26-34 lpm)	9-10.5 gpm (34-40 lpm)	11-13 gpm (42-49 lpm)
Nominal Operating Pressure (at the power supply outlet)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)
System relief valve setting (at the power supply outlet)	2100-2250 psi (145-155 bar)	2100-2250 psi (145-155 bar)	2200-2300 psi (152-159 bar)	2100-2250 psi (145-155 bar)
Maximum back pressure (at tool end of the return hose)	250 psi (17 bar)	250 psi (17 bar)	250 psi (17 bar)	250 psi (17 bar)
Measured at a max. fluid viscosity of: (at min. operating temperature)	400 ssu* (82 centistokes)	400 ssu* (82 centistokes)	400 ssu* (82 centistokes)	400 ssu* (82 centistokes)
Temperature: Sufficient heat rejection capacity to limit max. fluid temperature to: (at max. expected ambient temperature)	140° F (60° C)	140° F (60° C)	140° F (60° C)	140° F (60° C)
Min. cooling capacity at a temperature difference of between ambient and fluid temps	3 hp (2.24 kW) 40° F (22° C)	5 hp (3.73 kW) 40° F (22° C)	6 hp (5.22 kW) 40° F (22° C)	7 hp (4.47 kW) 40° F (22° C)
<b>NOTE:</b> Do not operate the tool at oil temperatures above 140° F (60° C). Operation at higher temperatures can cause operator discomfort at the tool.				
Filter Min. full-flow filtration Sized for flow of at least: (For cold temp. startup and max. dirt-holding capacity)	25 microns 30 gpm (114 lpm)	25 microns 30 gpm (114 lpm)	25 microns 30 gpm (114 lpm)	25 microns 30 gpm (114 lpm)
Hydraulic fluid Petroleum based (premium grade, anti-wear, non-conductive) Viscosity (at min. and max. operating temps)	100-400 ssu*	100-400 ssu* (20-82 centistokes)	100-400 ssu*	100-400 ssu*
<b>NOTE:</b> When choosing hydraulic fluid, the expected oil temperature extremes that will be experienced in service determine the most suitable temperature viscosity characteristics. Hydraulic fluids with a viscosity index over 140 will meet the requirements over a wide range of operating temperatures.				
*SSU = Saybolt Seconds Universal				

### EHTMA HYDRAULIC SYSTEM REQUIREMENTS

### CLASSIFICATION



Flow Range	3.5-4.3 gpm (13.5-16.5 lpm)	4.7-5.8 gpm (18-22 lpm)	7.1-8.7 gpm (27-33 lpm)	9.5-11.6 gpm (36-44 lpm)	11.8-14.5 gpm (45-55 lpm)
Nominal Operating Pressure (at the power supply outlet)	1870 psi (129 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)
System relief valve setting (at the power supply outlet)	2495 psi (172 bar)	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)

**NOTE:** These are general hydraulic system requirements. See tool specification page for tool specific requirements

# OPERATION

The recommended hose size is .500 inch/12 mm I.D. up to 50 ft/15 m long and .625 inch/16 mm I.D. minimum up to 100 ft/30 m.

## PRE-OPERATION PROCEDURES

### CHECK POWER SOURCE

1. Using a calibrated flow meter and pressure gauge, check that the hydraulic power source develops a flow of 7-9 gpm/26-34 lpm at 1500-2000 psi/105-140 bar.
2. Make certain the hydraulic power source is equipped with a relief valve set to open at 2100-2250 psi/145-155 bar maximum.

### INSTALL TOOL BIT

1. Rotate the latch on the breaker foot downward (pointing away from the tool).
2. Insert the tool bit into the foot and pull the latch up to lock the tool bit in place.

### CONNECT HOSES

1. Wipe all hose couplers with a clean, lint-free cloth before making connections.
2. Connect the hoses from the hydraulic power source to the tool fittings or quick disconnects. It is a good practice to connect return hoses first and disconnect them last to minimize or avoid trapped pressure within the tool.
3. Observe flow indicators stamped on hose couplers to ensure that fluid flow is in the proper direction. The female coupler on the tool hose is the inlet coupler.
4. Move the hydraulic circuit control valve to the ON position to operate the tool.

#### NOTE:

**If uncoupled hoses are left in the sun, pressure increase within the hoses may make them difficult to connect. When possible, connect the free ends of the hoses together.**

## OPERATION PROCEDURES

1. Observe all safety precautions.
2. Install the appropriate tool bit for the job.
3. Place the bit firmly on the surface to be broken.
4. Squeeze the trigger to start the breaker. Adequate down pressure is very important. When the tool bit breaks through the obstruction or becomes bound, release the trigger and reposition the tool bit.

#### NOTE:

**Partially depressing the trigger allows the tool to run at slow speed. Slow-speed operation permits easier starting of the tool bit into the work surface.**

5. To start, break an opening (hole) in the center of the surface. After making a hole, break portions of the material into the original opening. For best productivity, the breaking should be done around the original hole.

The size of the broken material will vary with the strength and thickness of the base material and the amount of any reinforcement wire or rebar.

Harder material or more reinforcing wire or rebar will require taking smaller bites. To determine the most effective bite, start with 2 in. / 50 mm or smaller bites.

Bites can then be gradually increased until the broken piece becomes too large, requiring increased time to break off the piece.

Sticking of the tool bit occurs when too large a bite is being taken and the tool bit hammers into the material without the material fracturing. This causes the tool bit to become trapped in the surrounding material.

## COLD WEATHER OPERATION

If the breaker is to be used during cold weather, preheat the hydraulic fluid at low engine speed. When using the normally recommended fluid, fluid temperature should be at or above 50 °F/10 °C (400 ssu/82 centistokes) before use.

Damage to the hydraulic system or breaker can result from use with fluid that is too viscous or thick.

# TOOL PROTECTION & CARE

## NOTICE

In addition to the Safety Precautions found in this manual, observe the following for equipment protection and care.

- Make sure all couplers are wiped clean before connection.
- The hydraulic circuit control valve must be in the "OFF" position when coupling or uncoupling hydraulic tools. Failure to do so may result in damage to the quick couplers and cause overheating of the hydraulic system.
- Always store the tool in a clean dry space, safe from damage or pilferage.
- Make sure the circuit PRESSURE hose (with male quick disconnect) is connected to the "IN" port. The circuit RETURN hose (with female quick disconnect) is connected to the opposite port. Do not reverse circuit flow. This can cause damage to internal seals.
- Always replace hoses, couplings and other parts with replacement parts recommended by Stanley Hydraulic Tools. Supply hoses must have a minimum working pressure rating of 2500 psi/172 bar.
- Do not exceed the rated flow and pressure. See Specifications in this manual for correct flow rate and pressure rating. Rapid failure of the internal seals may result.
- Always keep critical tool markings, such as warning stickers and tags legible.
- Do not force a small breaker to do the job of a large breaker.
- Keep tool bit sharp for maximum breaker performance. Make sure that tool bits are not chipped or rounded on the striking end.
- Never operate a breaker without a tool bit or without holding it against the work surface. This puts excessive strain on the breaker foot.
- Tool repair should be performed by experienced personnel only.
- Make certain that the recommended relief valves are installed in the pressure side of the system.
- Do not use the tool for applications for which it was not intended.

# TROUBLESHOOTING

PROBLEM	CAUSE	REMEDY
Tool does not run.	Power unit not functioning.	Check power unit for power flow and pressure (7–9 gpm/26–34 lpm, 1500–2000 psi/105–140 bar).
	Couplers or hoses blocked.	Remove restriction.
	Pressure and return line hoses reversed at ports.	Be sure hoses are connected to their proper ports.
	Mechanical failure of piston or automatic valve.	Disassemble breaker and inspect for damaged parts.
Tool does not hit effectively.	Power unit not functioning.	Check power unit for power flow and pressure (7–9 gpm/26–34 lpm, 1500–2000 psi/105–140 bar).
	Couplers or hoses blocked.	Remove restriction.
	Low accumulator charge (pressure hose will pulse more than normal).	Recharge accumulator. Replace diaphragm if charge loss continues.
	Fluid too hot (above 140 °F/60 °C).	Provide cooler to maintain proper fluid temperature (130 °F/55 °C).
Tool operates slow.	Low gpm supply from power unit.	Check power unit for proper flow (7–9 gpm/26–34 lpm).
	High back-pressure.	Check hydraulic system for excessive back-pressure (over 200 psi/14 bar).
	Couplers or hoses blocked.	Remove restriction.
	Orifice plug blocked.	Remove restriction.
	Fluid too hot (above 140 °F/60 °C) or too cold (below 60 °F/16 °C).	Check power unit for proper fluid temperature. Bypass cooler to warm the fluid or provide cooler to maintain proper temperature.
	Relief valve set too low.	Adjust relief valve to 2100–2250 psi/145–155 bar.
Tool gets hot.	Hot fluid going through tool.	Check power unit. Be sure flow rate is not too high causing part of the fluid to go through the relief valve. Provide cooler to maintain proper fluid temperature (140 °F/60 °C max). Check the relief valve setting. Eliminate flow control devices.
Fluid leakage on tool bit.	Lower piston seal failure.	Replace seal.
Fluid leakage around trigger.	Valve spool seal failure.	Replace seals.

# CHARGING THE ACCUMULATOR

## ACCUMULATOR TESTING PROCEDURE

To check or charge the accumulator the following equipment is required.

- 31254 Charge Kit, which includes the following:
  - Accumulator Tester (Part Number 02835).
  - Charging Assembly (P/N 15304) (15304 includes a liquid filled gauge with snub valve, hose and fittings).
- NITROGEN bottle with an 800 psi/55 bar minimum charge.(Not included in 31254 kit)

### CAUTION

This assembly contains nitrogen under pressure

1. Remove the plug from the handle or handle pivot.
2. Holding the chuck end of Accumulator Tester (P/N 02835) turn the gauge fully counterclockwise to ensure that the stem inside the chuck is completely retracted.
3. Thread the tester onto the accumulator charging valve. Do not advance the gauge-end into the chuck-end. Turn as a unit. Seat the chuck on the accumulator charging valve and hand tighten only.
4. Advance the valve stem of the tester by turning the gauge-end clockwise until a pressure is read on the gauge (charge pressure should be 500-700 psi/34-48 bar).
5. If pressure is OK unscrew the gauge-end from the chuck to retract the stem, then unscrew the entire tester assembly from the accumulator charging valve. If pressure is low, charge the accumulator as described in the following paragraph.
6. Install the plug.

## ACCUMULATOR CHARGING

1. Perform steps 1 through 4 of the accumulator testing procedure above.
2. Connect the chuck of the charging assembly to the charging valve on the accumulator tester or, if preferred, remove the tester from the charging valve and connect the charging assembly chuck directly to the charging valve.
3. Adjust the snub valve to a charging pressure of 600 psi/42 bar. Note: While watching the pressure gauge, open snub valve slowly until it reaches the proper charge pressure (600-700 psi).

### NOTE:

**It may be necessary to set the gauge at 650-700 psi/45-48 bar to overcome any pressure drop through the charging system.**

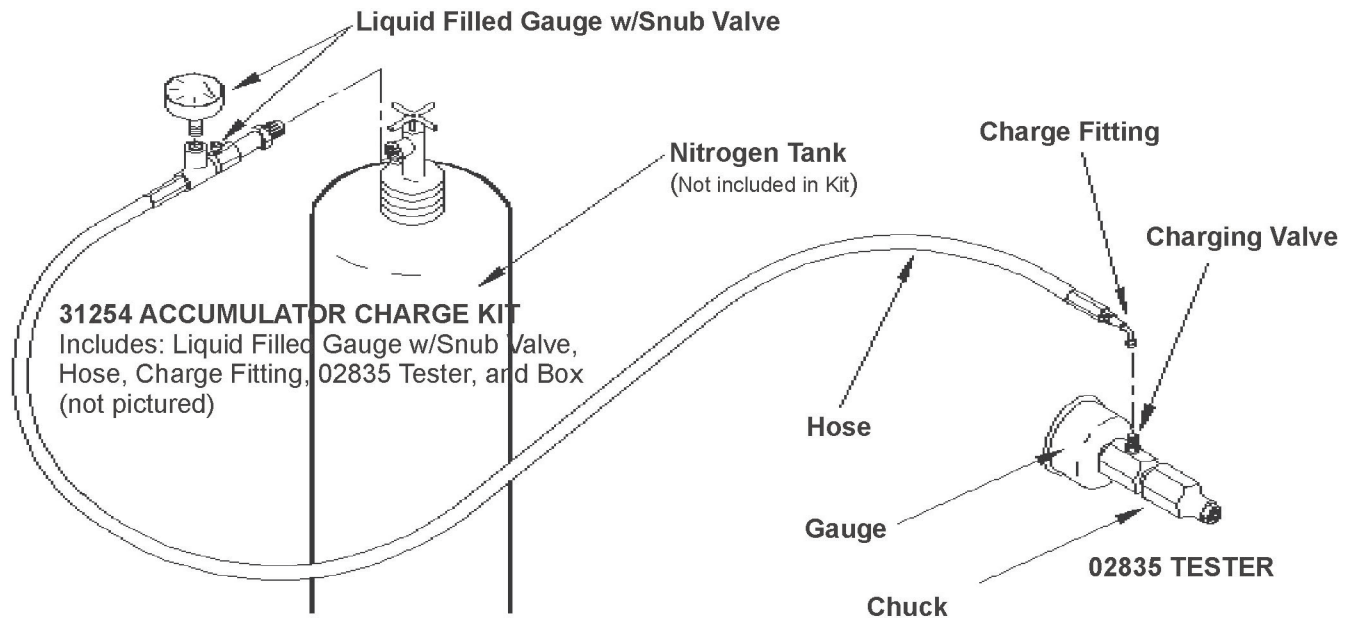
4. When the accumulator is fully charged close the snub valve on the charging assembly hose and remove the charging assembly chuck from the accumulator tester or tool charging valve.
5. If the accumulator tester has been used, be sure to turn the gauge-end fully counterclockwise before removing the tester from the charging valve of the tool. Install the valve cap.

## UNDERWATER MODEL PREVENTATIVE MAINTENANCE

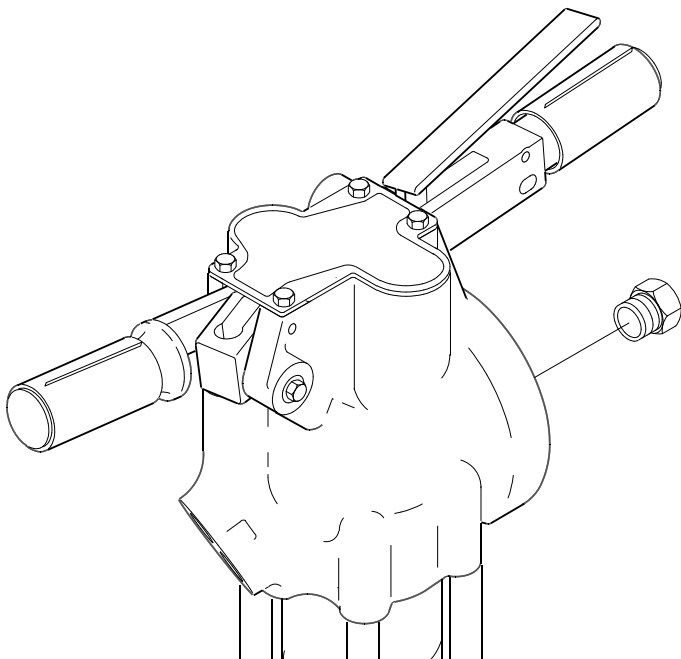
After each use, the movable portions of the tool that were exposed to water should be flushed with a water displacing oil such as WD40®. Remove any remaining water and debris as follows:

1. Turn the tool upside down (without the tool bit) and spray oil through the drive hex and side holes in the breaker foot assembly to displace any remaining water in the lower piston cavity.
2. Spray oil into the On/Off valve trigger slot area.
3. Dip or spray the entire tool.
4. Cycle the tool hydraulically several times before storing away.

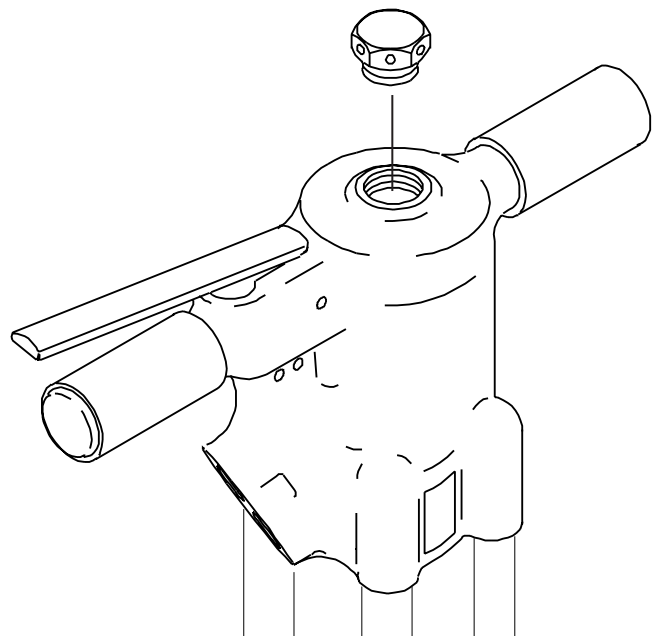
# CHARGING THE ACCUMULATOR



Charging the Accumulator Anti-Vibration Handles



Charging the Accumulator T-Handles





## SPECIFICATIONS

Pressure Range.....	1500–2000 psi/104–140 bar
Flow Range .....	7–9 gpm / 26–34 lpm
Nominal Flow .....	8 gpm / 30 lpm
Maximum Back Pressure.....	250 Psi/17 bar
Couplers .....	HTMA/EHTMA Flush Face Type Male and Female
Connect Size & Type.....	3/8 in. Male Pipe Adapter
Weight .....	T-Handle 67 lbs / 30 kg
	Anti-Vibration Handle 75 lbs / 34 kg
Overall Length .....	T-Handle 27 in. / 69 cm
	Anti-Vibration Handle 29 in. / 74 cm
Overall Width at Handles.....	T-Handle 16 in. / 41 cm
	Anti-Vibration Handle 18 in. / 46 cm
Max. Fluid Temperature.....	140 °F / 60 °C
System Type.....	Open or Closed Center
Port Size .....	SAE 8 O-ring
HTMA/EHTMA Category .....	Type 2
Nominal Pressure .....	1500 psi/103 bar
Max Pressure .....	2500 psi/172 bar
Max Relief Pressure .....	2150 psi/148 bar

### BR67 SOUND AND VIBRATION DECLARATION

TEST CONDUCTED ON BR6717801, OPERATED AT STANDARD 8 GPM INPUT.

MEASURED A-WEIGHTED SOUND POWER LEVEL, LWA (REF. 1PW) IN DECIBELS.....	103 DBA
UNCERTAINTY, KWA, IN DECIBELS .....	1.7 DBA
GUARANTEED SOUND POWER LEVEL.....	105 DBA
MEASURED A-WEIGHTED SOUND PRESSURE LEVEL, LPA (REF. 20 MPA) AT OPERATOR'S POSITION, IN DECIBELS .....	99 DBA
UNCERTAINTY, KPA, IN DECIBELS .....	3 DBA

VALUES DETERMINED ACCORDING TO NOISE TEST CODE GIVEN IN ISO 15744, USING THE BASIC STANDARD ISO3744. TEST CONDUCTED BY INDEPENDENT NOTIFIED BODY TO COMPLY WITH 2000/14/EC:2005 REQUIREMENTS. NOTE- THE SUM OF A MEASURED NOISE EMISSION VALUE AND ITS ASSOCIATED UNCERTAINTY REPRESENTS AN UPPER BOUNDARY OF THE RANGE OF VALUES WHICH IS LIKELY TO OCCUR IN MEASUREMENTS.

### BR67 ANTI-VIB MODELS

DECLARED VIBRATION EMISSION VALUE IN ACCORDANCE WITH ISO-28927-10 2011, EN 12096

MEASURED VIBRATION EMISSION VALUE: 3-AXIS .....	12.7 M/SEC <sup>2</sup>
UNCERTAINTY: K.....	1.9 M/SEC <sup>2</sup>
MEASURED VIBRATION EMISSION VALUE WITH UNCERTAINTY: 3-AXIS.....	14.6 M/SEC <sup>2</sup>

MEASURED VIBRATION EMISSION VALUE: Z-AXIS .....	11 M/SEC <sup>2</sup>
UNCERTAINTY: K.....	2.3 M/SEC <sup>2</sup>
MEASURED VIBRATION EMISSION VALUE WITH UNCERTAINTY: Z-AXIS.....	13.3 M/SEC <sup>2</sup>

### BR67 T-HANDLE MODELS

MEASURED VIBRATION EMISSION VALUE: 3-AXIS .....	18.3 M/SEC <sup>2</sup>
UNCERTAINTY: K.....	0.7 M/SEC <sup>2</sup>
MEASURED VIBRATION EMISSION VALUE WITH UNCERTAINTY: 3-AXIS.....	19.0 M/SEC <sup>2</sup>



# ACCESSORIES

## ACCESSORIES

### 1-1/8 IN. HEX × 6 IN. SHANK

Moil Point – 14 in. Long UC.....	02333
Chisel Point – 14 in. Long UC .....	03990
3-inch Chisel – 14 in. Long UC.....	02334
Clay Spade – 5-1/2 in. Blade.....	02331
Asphalt Wedge – 12 in. ....	08106
Asphalt Cutter – 5 in. Wide.....	02332
Ground Rod Driver – 1 in. Rod.....	04176

### 1-1/4 in. Hex × 6 in. Shank

Moil Point – 14 in. Long UC.....	02336
3-inch Chisel – 14 in. Long UC.....	02337
Clay Spade – 5-1/2 in. Blade.....	09262
Asphalt Cutter – 5 in. Wide.....	02335
Ground Rod Driver – 1 in. Rod.....	04367
Heavy Duty Chisel – 1 in. ....	02338
Heavy Duty Moil Point – 18 in. ....	04404
Clay Spade – 8 in. ....	04405
Detachable Shank (Requires 17783) .....	17782
Tamping Pad – 6 in. (Requires 17782).....	17783

## TEST EQUIPMENT

Accumulator Tester.....	02835
Flow and Pressure Tester.....	04182
Accumulator Charge Assembly (Incl. Liquid Filled Gauge w/ Valve, Hose, & Charge Fitting).....	15304
Accumulator Charge Kit (Incl. 02835 Tester, 15304 Charge Assy and 372047 Charge Kit Box) .....	31254

## SERVICE TOOLS

Flow Sleeve Removal Tube.....	04910
Seal Kit .....	04596
Split Ring (Auto Valve Removal) .....	04908
Accumulator Cylinder Puller .....	05640
Accumulator Disassembly Tool.....	05508
Spacer (Flow Sleeve Installation).....	04909

## KITS

Flow Sleeve Kit (See note on page 20 or 23 for items included in kit) .....	74396
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# BR67 ANTI-VIB PARTS ILLUSTRATION

## BR67 ANTI-VIBRATION HANDLE PARTS ILLUSTRATION

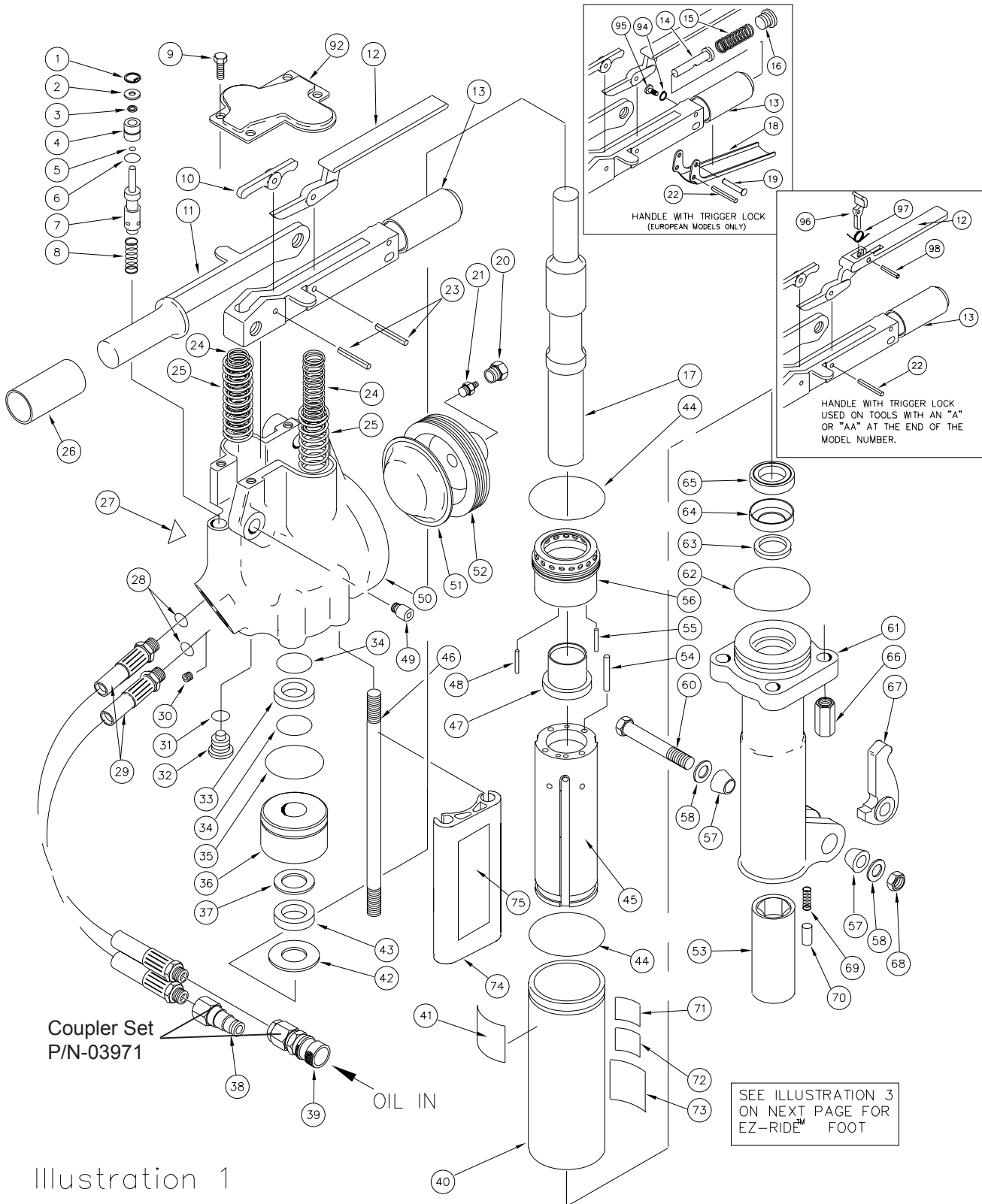


Illustration 1  
BR67 with Anti-Vibration Handle  
August 2012

# BR67 ANTI-VIB PARTS LIST

## BR67 ANTI-VIBRATION HANDLE PARTS LIST

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
1	24067	24067	1	RETAINING RING
2	04055	04055	1	WASHER
3	04056	04056	1	ROD WIPER
4	26451	26451	1	BUSHING
5	01362	01362	1	O-RING
6	00293	00293	1	O-RING
7	20515	20515	1	VALVE SPOOL
8	04058	04058	1	SPRING
9	07628	07628	4	CAPSCREW
10	20511	20511	1	LEVER
11	28369	28369	1	HANDLE
12	20502	20502 58526	1 1	TRIGGER TRIGGER (USED ON TOOLS WITH AN "A" OR "AA" AT THE END OF THE MODEL NUMBER)
13	29045	29045 58529	1 1	TRIGGER HANDLE TRIGGER HANDLE (USED ON TOOLS WITH AN "A" OR "AA" AT THE END OF THE MODEL NUMBER)
14	—	26599	1	PIN
15	—	24964	1	SPRING
16	—	16607	1	SAE PLUG, -10
17	04070	04070	1	PISTON
18	—	24948	1	TRIGGER LOCK
19	—	31917	1	PIN
20	07493	07493	1	PLUG
21	20499	20499	1	CHARGE VALVE
22	—	21089	1	ROLL PIN
23	20500	20500	2	SPIROL PIN
24	20541	20541	2	SPRING
25	20498	20498	2	SPRING
26	02494	02494	2	HANDLE GRIP
27	11207	11207	1	CIRCUIT TYPE "D" STICKER (CE ONLY)
28	01605	01605	2	O-RING
29	01652	01652	2	HOSE ASSY (INCL ITEM 28)
30	12832	12832	1	ORIFICE PLUG
31	06891	06891	1	O-RING
32	31067	31067	1	PLUG
33	26452	26452	1	SINTERED FILTER
34	04795	04795	2	O-RING
35	16732	16732	1	O-RING
36	26448	26448	1	SPACER

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
37	04062	04062	1	BACK-UP WASHER
38	03973	03973	1	MALE COUPLER BODY
39	03972	03972	1	FEMALE COUPLER BODY
40	04068	04068	1	FLOW SLEEVE TUBE
41	74668	74668	1	NAME TAG, BR67
42	04064	04064	1	WASHER
43	04063	04063	1	CUP SEAL
44	04054	04054	2	O-RING
45	04069	04069	1	FLOW SLEEVE (SEE NOTE PAGE 20)
46	04071	04071	4	SIDE ROD
47	04065	04065	1	AUTOMATIC VALVE
48	04571	04571	2	PUSH PIN
49	20508	20508	2	PIVOT SCREW
50	26596	26596	1	ACCUMULATOR VALVE BLOCK
51	26574	26574	1	ACCUMULATOR DIAPHRAGM
52	26449	26449	1	ACCUMULATOR PLUG
53	04081	04081	1	HEX BUSHING, 1-1/8 X 6 IN. (FOR 04598 FOOT)
	04597	04597	1	HEX BUSHING, 1-1/4 X 6 IN. (FOR 04598 FOOT)
54	04067	04067	4	PUSH PIN
55	07890	07890	1	ROLL PIN
56	04066	04066	1	AUTOMATIC VALVE BODY
57	01269	01269	2	RUBBER SLEEVE
58	04985	04985	2	SPRING WASHER
59	—	—	1	HANDLE
60	04983	04983	1	BOLT
61	04598	04598	1	FOOT (FOR 04081 OR 04597 HEX BUSHING) (INCL 63 & 64)
	05466	05466	1	FOOT ASSY, 1-1/8 X 6 IN. HEX (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 53, 57–58, 60–61, 63–64, 66–70)
	05467	05467	1	FOOT ASSY, 1-1/4 X 6 IN. HEX (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 53, 57–58, 60–61, 63–64, 66–70)
62	04073	04073	1	O-RING
63	04074	04074	1	ROD WIPER
64	05464	05464	1	SEAL INSERT
65	34127	34127	1	CUP SEAL
66	04075	04075	4	SIDE ROD NUT

# BR67 ANTI-VIB PARTS LIST

## BR67 ANTI-VIBRATION HANDLE PARTS LIST (CONTINUED)

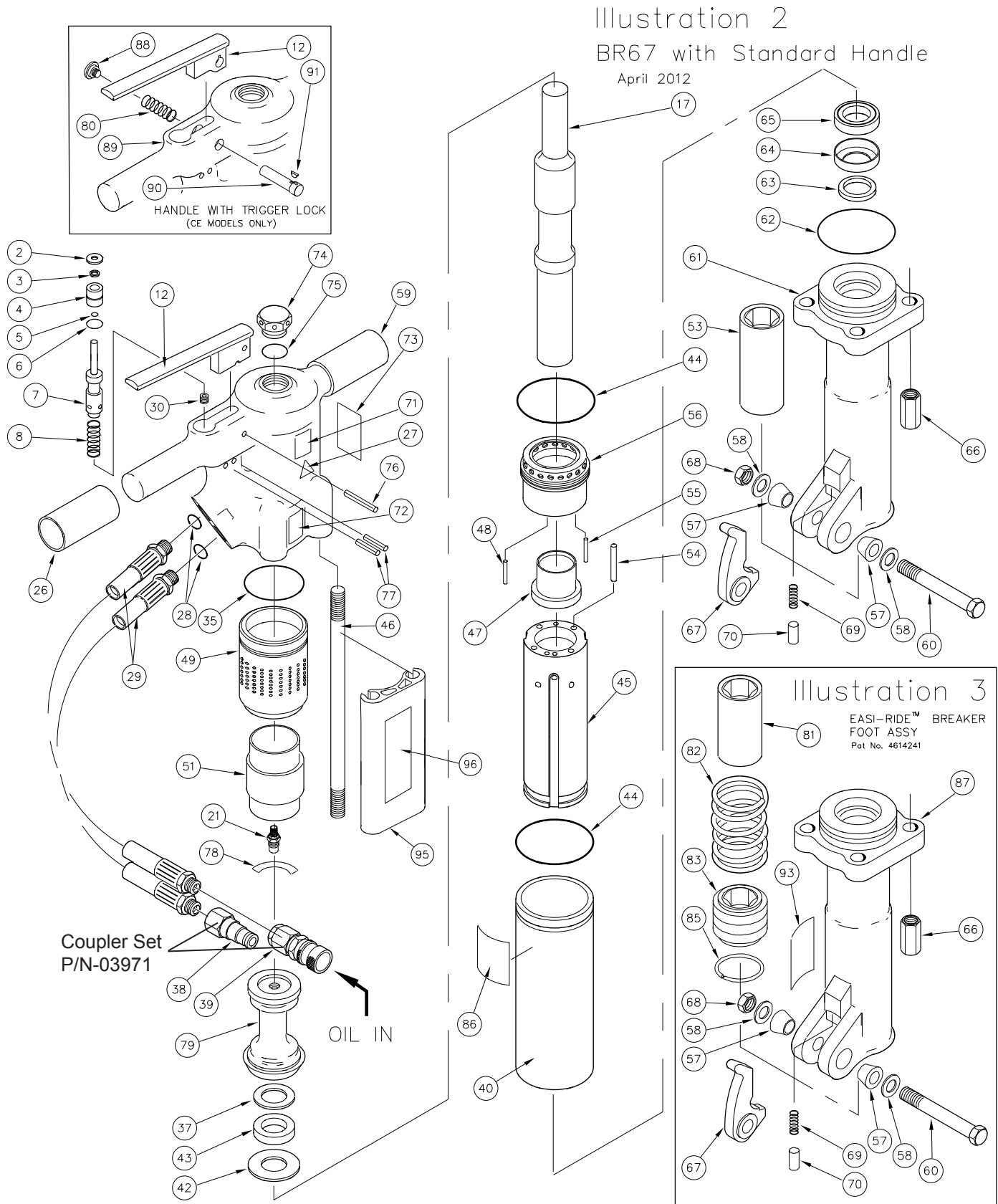
ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
67	01837	01837	1	LATCH
68	04984	04984	1	STOP NUT
69	01744	01744	1	SPRING
70	08411	08411	1	DETENT
71	—	28322	1	CE STICKER (CE ONLY)
72	28409	28409	1	COMPOSITE STICKER (CE ONLY)
73	66654	66654	1	GUARANTEED SOUND POWER LEVEL STICKER 105 (CE ONLY)
74	73025	73025	2	FILLER SNAP-ON
75	74832	74832	2	STANLEY LOGO STICKER (USED ON: BR67125, BR67135 AND BR6717801A)
	74770		2	STANLEY LOGO STICKER (USED ON: BR6713516,
81	—	11230	1	HEX BUSHING, 1-1/4 X 6-1/4 IN. (FOR 12294 EZ FOOT)
82	—	—	1	SPRING
83	—	11234	1	COLLAR SUPPORT, 1-1/8 IN. (FOR 12294 EZ FOOT)
85	—	—	1	RETAINING RING
	—	12294	1	FOOT, EZ (FOR 11230 BUSHING) (UK MODELS ONLY) (INCL ITEMS 64, 87)
	—	11638	1	FOOT ASSY, EZ, 1-1/4 X 6-1/4 HEX (UK MODELS ONLY) (INCL ITEMS 53, 57–58, 60–61, 63–64 & 66–70, 81–83, 85, 87)
92	26450	26450	1	TOP PLATE

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
93	—	11208	1	HEX SHANK STICKER (UK MODELS ONLY)
94	—	00077	1	RETAINING RING (CHECK ITEM # 19 TO SEE IF IT USES A SCREW OR RET. RING)
95	—	32297	1	TRUSS HEAD SCREW (CHECK ITEM # 19 TO SEE IF IT USES A SCREW OR RET. RING)
96	—	58527	1	TRIGGER LOCK (USED ON TOOLS WITH AN "A" OR "AA" AT THE END OF THE MODEL NUMBER)
97	—	66828	1	TORSION SPRING (USED ON TOOLS WITH AN "A" OR "AA" AT THE END OF THE MODEL NUMBER)
98	—	07624	1	ROLL PIN (USED ON TOOLS WITH AN "A" OR "AA" AT THE END OF THE MODEL NUMBER)
	04596	04596	1	SEAL KIT

**NOTE:** There is a flow sleeve kit available P/N-74396 that includes:  
 item # 44 (Qty-2 04054 o-ring),  
 item # 54 (qty-4 04067 push pin),  
 item # 45 (qty-1 04069 flow sleeve),  
 item # 62 (qty-1 04073 o-ring)  
 and inst sheet.

## BR67 STD PARTS ILLUSTRATION

## BR67 STANDARD HANDLE PARTS ILLUSTRATION



# BR67 STANDARD PARTS LIST

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
2	04055	04055	1	WASHER
3	04056	04056	1	ROD WIPER
4	04057	04057	1	BUSHING
5	01362	01362	1	O-RING
6	00293	00293	1	O-RING
7	04077	04077	1	VALVE SPOOL
8	04058	04058	1	SPRING
12	04053	11434	1	TRIGGER
17	04070	04070	1	PISTON
21	04051	04051	1	CHARGE VALVE
	09349	09349	1	VALVE CAP (NOT SHOWN)
26	02494	02494	2	HANDLE GRIP
27	—	11207	1	CIRCUIT TYPE "D" STICKER (CE ONLY)
28	01605	01605	2	O-RING
29	01652	01652	2	HOSE ASSY (INCL ITEM 28)
30	04350	04350	1	ORIFICE PLUG
35	04054	04054	1	O-RING
36	—	—	1	SPACER
37	04062	04062	1	BACK-UP WASHER
38	03971	03971	1	COUPLER SET (MALE & FEMALE COUPLERS)
39	03971	03971	1	COUPLER SET (MALE & FEMALE COUPLERS)
40	04068	04068	1	FLOW SLEEVE TUBE
42	04064	04064	1	WASHER
43	04063	04063	1	CUP SEAL
44	04054	04054	2	O-RING
45	04069	04069	1	FLOW SLEEVE (SEE NOTE PAGE 23)
46	04071	04071	4	SIDE ROD
47	04065	04065	1	AUTOMATIC VALVE
48	04571	04571	2	PUSH PIN
49	04060	04060	1	ACCUMULATOR CYLINDER
51	04059	04059	1	ACCUMULATOR DIAPHRAGM
53	04081	04081	1	HEX BUSHING, 1-1/8 × 6 IN. (FOR 04598 FOOT)
	04597	04597	1	HEX BUSHING, 1-1/4 × 6 IN. (FOR 04598 FOOT)
54	04067	04067	4	PUSH PIN
55	07890	07890	1	ROLL PIN
56	04066	04066	1	AUTOMATIC VALVE BODY
57	01269	01269	2	RUBBER SLEEVE
58	04985	04985	2	SPRING WASHER
59	04049	11435	1	HANDLE
60	04983	04983	1	BOLT

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
61	04598	04598	1	FOOT (FOR 04081 OR 04597 HEX BUSHING) (INCL 63 & 64)
	05466	05466	1	FOOT ASSY, 1-1/8 × 6 IN. HEX (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 53, 57-58, 60-61, 63-64, 66-70)
	05467	05467	1	FOOT ASSY, 1-1/4 × 6 IN. HEX (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 53, 57-58, 60-61, 63-64, 66-70)
	08855		1	BREAKER FOOT ASSY 1-1/8 U/W (MODEL BR67320 ONLY)
62	04073	04073	1	O-RING
63	04074	04074	1	ROD WIPER
64	05464	05464	1	SEAL INSERT
65	34127	34127	1	CUP SEAL
66	04075	04075	4	SIDE ROD NUT
67	01837	01837	1	LATCH
68	04984	04984	1	STOP NUT
69	01744	01744	1	SPRING
70	08411	08411	1	DETENT
71	—	28322	1	CE STICKER (CE ONLY)
72	28409	28409	1	COMPOSITE STICKER (CE ONLY)

# BR67 STANDARD PARTS LIST

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
73	66654	66654	1	GUARANTEED SOUND POWER LEVEL STICKER 105 (CE ONLY)
74	04050	04050	1	VALVE CAP ASSY (INCLUDES ITEM 75)
75	04052	04052	1	O-RING
76	00844	00844	1	SPIROL PIN
77	22891	22891	1	SPRING PIN
78	10180	10180		STICKER
79	04061	04061	1	ACCUMULATOR CHAMBER
80	—	11430	1	SPRING
81	07517	07517	1	HEX BUSHING, 1-1/8 × 6 IN. (FOR 11614 EZ FOOT)
	07518	07518	1	HEX BUSHING, 1-1/4 × 6 IN. (FOR 11614 EZ FOOT)
	—	11230	1	HEX BUSHING, 1-1/4 × 6-1/4 IN. (FOR 12294 EZ FOOT)
82	07514	07514	1	SPRING
83	08115	08115	1	COLLAR SUPPORT, 1-1/8 IN. (FOR 11614 EZ FOOT)
	08116	08116	1	COLLAR SUPPORT, 1-1/4 IN. (FOR 11614 EZ FOOT)
	—	11234	1	COLLAR SUPPORT, 1-1/4 IN. (FOR 12294 EZ FOOT)
84	—			NO ITEM
85	07522	07522	1	RETAINING RING
86	74667	74667	1	NAME TAG (T-HANDLE)
	74671			NAME TAG (T-HANDLE) BR67320 ONLY.
87	11614	11614	1	FOOT, EZ (FOR 07517 OR 07518 BUSHING) (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 64, 87)

ITEM NO.	WITHOUT TRIGGER LOCK	WITH TRIGGER LOCK	QTY	DESCRIPTION
	07525	07525	1	FOOT ASSY, EZ, 1-1/8 × 6 HEX (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 57–58, 60, 63–64, 66–70, 81–83, 85, 87)
	07524	07524	1	FOOT ASSY, EZ, 1-1/4 × 6 HEX (USA & CE EXCEPT UK MODELS ONLY) (INCL ITEMS 57–58, 60, 63–64, 66–70, 81–83, 85, 87)
	—	11638	1	FOOT ASSY, EZ, 1-1/4 × 6-1/4 HEX (UK MODELS ONLY) (INCL ITEMS 53, 57–58, 60–61, 63–64 & 66–70, 81–83, 85, 87)
88	—	01003	1	BUTTON
89	—	11435	1	HANDLE
90	—	11431	1	LOCK PIN
91	—	11432	1	KEY
93	—	11208	1	HEX SHANK STICKER (UK MODELS ONLY)
94	—	00077	1	RETAINING RING
95	73025	73025	2	FILLER SNAP-ON
96	74832	74832	2	STANLEY LOGO STICKER (USED ON MODELS: BR67120, BR67120E, BR67130, BR67130E).
	74770		2	STANLEY LOGO STICKER (USED ON MODELS: BR67120D and BR67320).
	04596	04596	1	SEAL KIT

**NOTE:** There is a flow sleeve kit available P/N-74396 that includes:  
 item # 44 (Qty-2 04054 o-ring),  
 item # 54 (qty-4 04067 push pin),  
 item # 45 (qty-1 04069 flow sleeve),  
 item # 62 (qty-1 04073 o-ring)  
 and inst sheet.



# UNDERWATER TOOLS DEPTH GUIDELINE

## UNDERWATER MODELS ONLY

### **⚠ CAUTION**

**DO NOT USE HYDRAULIC TOOLS UNDERWATER THAT ARE NOT DESIGNATED AS AN “UNDERWATER” MODEL, OR THIS WILL RESULT IN DAMAGE TO THE TOOL.**

For underwater hydraulic tools the applications are broken down into four quadrants depending on type of tool and method of operation.

The types of tools are percussive and rotational, each with different characteristics allowing for different depth operation. With percussive tools, the nitrogen accumulator PSI must counter the increase in ambient pressure found at lower depths. Since there is a maximum PSI for percussive tools they are limited to certain depths. Rotational tools do not have accumulators and thus capable of deeper depths.

The methods are broken into diver operated or remote operated vehicle (ROV). ROV's can reach lower depths and with an on-board hydraulic power source that is depth compensated, can operate hydraulic tools at depths of thousands of feet. ROV operation is still limited to the tool, for example a percussive tool has the same depth limitation whether ROV or diver operated.

## Operation Overview

	Percussive	Rotational
Diver	Tools: Breakers, Hammer Drills and Chipping Hammers  Max Depth: 500' - limitations due to accumulator PSI max (increase 40 PSI for every 100')	Tools: Grinders, Saws, Chain Saws  Max Depth: 1000' - Reference hose sizing guide below
ROV	Tools: Breakers, Hammer Drills and Chipping Hammers  Max Depth: 500' - limitations due to accumulator PSI max (increase 40 PSI for every 100')	Tools: Grinders, Saws, Chain Saws  Max Depth: 1000' - Reference hose sizing guide below

## Recommended Hose Diameters

Depth (ft)	8 GPM	12 GPM
100	5/8"	5/8"
300	3/4"	1"
600	1"	1"
1000	1"	1-1/4"





## NOTES

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