

OPERATION MANUAL



SH-370M



SH-370M: 35 Ton Hydraulic Steel Punch

Read and understand all of the instructions and safety information in this manual before operating or servicing this tool.



195 Internationale Blvd
Glendale Heights, IL 60139
Phone 800-860-6170
Fax 800-345-3767
www.spartacogroup.com

THANK YOU...

for purchasing a Huskie Tools product. Our mission is to supply the finest steel cable connecting and cutting tools and cable-related products to the transmission and distribution markets. Huskie Tools products represents the state-of-the-art tools and are dependable & safe. Trust, integrity, teamwork and mutual respect - these words are something we take to heart here at Huskie Tools.

Please take the time to read this manual carefully to learn how to correctly operate and maintain your tool.

Table of Contents

Registration/ Contents.....	2
Warranty.....	3
Safety.....	4
Kit Includes.....	5
Specifications.....	6
Operating Instructions.....	7
Operating Precautions.....	8
TroubleShooting Guide.....	9

Warranty

Huskie Tools products carry a warranty that makes us a leader in the tool industry. No other manufacturer dares to back its tools as we do.

All Huskie REC-SERIES battery operated products carry a 5 year warranty. The ECO-SERIES battery operated products carry a 1 year warranty. The BP-80 & BP-84 batteries carry a 5 year warranty from the date stamped on the battery. The BP-82 battery carries a 1 year warranty.

PRODUCT WARRANTY

REC-Series battery operated products	5 Years
ECO-Series battery operated products	1 Years
Batteries (BP-80, BP-84)	5 years/ (BP-82) 1 year
Chargers (CH-90, CH-94)	5 Years

The warranty does not cover any damages incurred from a Huskie tool including damages to property, bodily injuries and lost wages resulting from such injuries. This warranty solely covers the repair or replacement of tools supplied by Huskie. These remedies are exclusive, and the total liability of Huskie Tools, LLC whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the tool. In no event shall Huskie Tools, LLC be liable for consequential, incidental or special damages.

HUSKIE TOOLS, LLC MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

Huskie reserves the right to determine all warranty claims. Huskie will not warranty tools containing parts or batteries not originally supplied by Huskie. Failure due to misuse, improper maintenance, misapplication, not following instructions or warnings, abuse or repairs attempted by anyone other than Huskie Tools, LLC, or an authorized service center renders this warranty null and void.

Repair and Warranty Claims

All claims must be sent to Huskie for inspection and authorization. A Return Goods Authorization (RGA) is required before shipping tools to Huskie. Secure the authorization by telephoning or writing to Huskie's main office with details of the claim. Non-warranty repairs are handled using the same procedure. Repairs exceeding 50 percent of the cost of a new tool will be advised before repairs are made.

Payment Terms

Upon credit approval Huskie's standard payment terms are net-30 days. Visa, Mastercard, Discover and American Express are also accepted.

Freight

All Huskie tools are FOB, Glendale Heights, Illinois. Goods will be shipped pre-paid and added, unless otherwise specified. Freight shipments over \$17,000 are pre-paid.

Quotations

Special quantity quotations should be phoned in to discuss the scope of your tool requests.

Complete Support Services

Our customers have direct access to us for training, service, and problem solving. As specialists in tools, we maintain a trained repair staff and a large stock of parts. This contrasts with many tool suppliers who carry tools as a sideline without offering support services. Here are some reasons why our customers love to do business with us:

- Quick delivery
- We maintain inventory at our headquarters.
- Training and troubleshooting services.
- Fast repair service.
- Design and engineering service for special tool needs.



Safety Alert Symbol:

This safety alert symbol indicates a potential personal injury hazard; it is not used for messages related to property damage only.



Wear eye protection:

when operating this tool. Failure to wear eye protection could result in serious eye injury from flying debris.



Electric Shock hazard:

Use proper personal protective equipment when using this unit on or near energized electrical lines.

Pinch Point Hazard:

Compression Dies at high force can cause severe personal injury. Keep all body parts away from moving parts of the tool while operating.





- 1 Battery Powered Tool
- 1 Carrying Case
- 4 Sets of Punch & Die Sizes

The SH-370M comes complete with four sets of punch and die sizes for 3/8", 1/2", 5/8" and 3/4" bolts and carrying case.



The portable **SH-370M** punch was designed to punch holes through 1/2" mild steel, aluminum and copper. The punched hole size is 1/16" larger than your bolt size. A stripper guide extends on either side of the ram to strip the material after punching. This hand-held unit will operate from any 10,000 psi hydraulic pumping source. Some uses include the punching of bus bars, tower iron, railing, I-beams and truck frames.

Custom size punch and dies are available upon request. Oval and square sizes are also available. Consult factory for order information. The SH-370M comes complete with four sets of punch and die sizes for 3/8", 1/2", 5/8" and 3/4" bolts and carrying case.

NOTE: USE ONLY 10,000 psi RATED HOSE.

SH-370M

Specifications	
Output	35 Ton
Weight	28 lbs.
Capacity	Up to 1/2" Thick Mild Steel
Max. Hole	13/16" Diameter
Dimensions	14" x 8" x 3.5"
Throat Depth	2.75"

Order Data	
SH-370M	Steel Punch with Male Coupler
SH-370F	Steel Punch with Female Coupler

Square Dies	
ITEM	DESCRIPTION
SHD-14SQ	1/4" Square Punch & Die Set
SHD-38SQ	3/8" Square Punch & Die Set
SHD-716SQ	7/16" Square Punch & Die Set
SHD-12SQ	1/2" Square Punch & Die Set
SHD-1732SQ	17/32" Square Punch & Die Set
SHD-916SQ	9/16" Square Punch & Die Set

Hex Dies	
ITEM	DESCRIPTION
SHD-716HEX	7/16" Hex Punch & Die Set
SHD-916HEX	9/16" Hex Punch & Die Set
SHD-1116HEX	11/16" Hex Punch & Die Set
SHD-1316HEX	13/16" Hex Punch & Die Set

Oblong Dies		
ITEM	DESCRIPTION	BOLT SIZE
SHD-516X1316	5/16" X 13/16" Oblong Punch & Die Set	
SHD-38X1316	3/8" X 13/16" Oblong Punch & Die Set	
SHD-716X1316	7/16" X 13/16" Oblong Punch & Die Set	3/8"
SHD-12X38	1/2" X 3/8" Oblong Punch & Die Set	
SHD-12X34	1/2" X 3/4" Oblong Punch & Die Set	
SHD-12X1316	1/2" X 13/16" Oblong Punch & Die Set	
SHD-916X34	9/16" X 3/4" Oblong Punch & Die Set	1/2"
SHD-916X1316	9/16" X 13/16" Oblong Punch & Die Set	1/2"
SHD-58X1316	5/8" X 13/16" Oblong Punch & Die Set	
SHD-1116X1316	11/16" X 13/16" Oblong Punch & Die Set	5/8"
SHD-34X1316	3/4" X 13/16" Oblong Punch & Die Set	

Round Dies		
ITEM	DESCRIPTION	BOLT SIZE
SHD-18	1/8" Punch & Die Set	
SHD-316	3/16" Punch & Die Set	
SHD-14	1/4" Punch & Die Set	
SHD-932	9/32" Punch & Die Set	
SHD-516	5/16" Punch & Die Set	
SHD-38	3/8" Punch & Die Set	
SHD-716	7/16" Punch & Die Set 10.5	3/8"
SHD-12	1/2" Punch & Die Set	
SHD-916	9/16" Punch & Die Set 13.5	1/2"
SHD-58	5/8" Punch & Die Set	
SHD-1116	11/16" Punch & Die Set 17.5"	5/8"
SHD-34	3/4" Punch & Die Set	
SHD-1316	13/16" Punch & Die Set 20.5	3/4"

Features

- Punches UP to 1/2" Mild Steel
- 13/16" Max Hold Diameter
- Will Punch: Oval, Round, Square, and Slotted Holes
- Custom Sizes Available
- Operates from a 10,000 psi Pump Source

Punch & Die Installation

NOTE: Disconnect the pump source to the punch when changing tooling.

- Care should be used in matching the proper punch to the correct die. Each will be marked with the hole size required.
- The die should be placed in the holder with the smaller hole facing upward. Tighten the set screw.
- Position the punch in the coupling nut with the effective working length of the punch facing downward. Thread the coupling nut into the punch stem by hand. Tighten with the locking collar tool.
- Proper alignment of the punch over the die in shaped tooling (oblong, square, rectangular, etc.) must be maintained. A locating pin is provided with each shaped punch and locating spots on shaped dies.
- The punch ram has two locating holes to align shapes at 90 degrees. Check for proper alignment by slowly advancing the punch into the die.
- Advance the ram by operating pump until the pushing ring makes contact with the material to be punched. Make sure the punch is properly aligned and positioned correctly. Continue to advance ram until hole is punched.
- Release the pump to retract the ram and strip to material from the punch. Remove the slugs from under the punch and discard.
- Periodically check the coupling nut and set screw to ensure that the tooling is secure.
- Lubrication of punches and dies is recommended but not required. This may extend the life of the tooling. STP oil treatment or similar product is recommended for lubrication. Do not use a penetrating fluid such as WD-40 or liquid wrench.

MAINTENANCE AND INSPECTION

1. Daily maintenance is required to ensure that the tool is kept in good working condition.
2. Sharpen blades occasionally with a sharpening stone on the back side of the blades to remove any burrs that may occur.
3. Do not store the tool in a humid environment.
4. Wipe away any excess oil with a soapy cloth.
5. Provided that maintenance of the tool is carried out regularly, the tool should provide many years of service.
6. Should you experience any difficulty with the operation and maintenance of this tool, contact Huskie's technical support department at 1-800-860-6170.

PRECAUTION FOR THE TOOL

1. Always point the tool **AWAY** from other people.
2. If the tool is stored for an extended period at a temperature of less than 25° F (-5°C), the tool should be allowed to return to room temperature to ensure smooth operation Use the tool only after it has been at room temperature for 1 hour.
3. Do not drop the tool. Dropping the tool may damage the hydraulic circuit and result in the tool not functioning correctly.
4. Keep the head and ram clean and free of debris. Solvents can be used to clean the head, but should not be used on the plastic body. Use soap and water to clean the body.
5. Do not use tool for continuous use. If any sign of over heating, allow the tool to cool for 15 mins.
6. Do not allow tool to be submerged in water. The tool may be used to in damp or wet environments. However it is recommended for tool to be air-dried before use.

PROBLEM	CAUSE	SOLUTION
MOTOR RUNS, BUT THE TOOL JAWS WILL NOT ADVANCE	Insufficient Hydraulic Oil	Consult Factory for Repair Service
	Air Block in Hydraulic System	Invert tool to allow air to rise towards the top of the oil bladder
	Defective Hydraulic Circuit	Consult Factory for Repair Service
MOTOR RUNS, TOOL JAWS ADVANCE, BUT WILL NOT BUILD PRESSURE	Insufficient Hydraulic Oil	Consult Factory for Repair Service
	Defective Suction Valve or Bypass Cartridge	Consult Factory for Repair Service
MOTOR WILL NOT RUN AT ALL	Defective Battery	Charge or Replace Battery
	Bad Contact or Loose Battery Connections	Check all Connections and Wires
	Misaligned Switch	Check to Make Sure that Switch is Properly Aligned with Trigger
		Consult Factory for Repair Service
TOOL JAWS WILL NOT RELEASE	Tool Did Not Complete a Full Cycle and Bypass	Press Trigger and allow Tool to Bypass, Then Release Tool Jaws
	Connector is Jammed in Tool Jaws	Press and Hold Release Trigger While Prying Tool Jaws Apart
	Release Trigger is Bent or Misaligned	Consult Factory for Repair Service



NOTES



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