

OPERATION MANUAL



SP-24



SP-24: Hydraulic Cutter Head

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



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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.

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Warranty

| | |
|---|---------|
| Series 7 Pro Line Battery Operated Products | 5 Years |
| Series 7 Power Tools | 3 Years |
| REC-Series Battery Operated Products | 5 Years |
| ECO-Series Battery Operated Products | 1 Year |
| Batteries | |
| BP-185 | 3 Years |
| BP-80, BP-84 | 5 Years |
| BP-82 | 1 Year |
| Chargers | |
| CH-185 | 3 Years |
| 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.



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.





SP-24

Hydraulic Operated
Remote Cutting Head

FEATURES

- Lightweight and portable
- Operate from any 10,000 psi hydraulic source
- Works in any position

The SP-SERIES remote head units connect to any 10,000 psi, high pressure, hydraulic pumping system. Choose from ten different models of cutters, to cut costs and efforts. A 3/8" screw-type male coupler is supplied with each tool. Huskie Tools remote cutters have a hinged head which can be opened for easy cable or bar insertion. The movable blade advances in a shear fashion, to cut the material cleanly. When the cutting pressure is relieved an internal ram spring retracts the blade. The guillotine cutting style was chosen over scissor type cutting because of its powerful output force, larger cable capacities, compact size and reliability.

All tools can be used under water, consult factory for specific applications.

NOTE: FOR EHS GUY WIRE SPECIFY S-24CC, S-32CC OR THE REMOTE HEAD SP-24CC.

SP-24

Specifications

| | |
|-------------|---------|
| Output | 7.8 Ton |
| Weight | 6 lbs. |
| Size | 11" L |
| Jaw Opening | .9" |

Cutting Capabilities

| | |
|----------------------------|------------|
| Wire Rope | 22mm, 7/8" |
| Soft Steel Bolts | 20mm, 3/4" |
| Rebar, Ground & Anchor Rod | 16mm, 5/8" |
| Cu & Al Wire | 22mm, 7/8" |
| ACSR | 22mm, 7/8" |
| Standard Guy Wire | 16mm, 5/8" |

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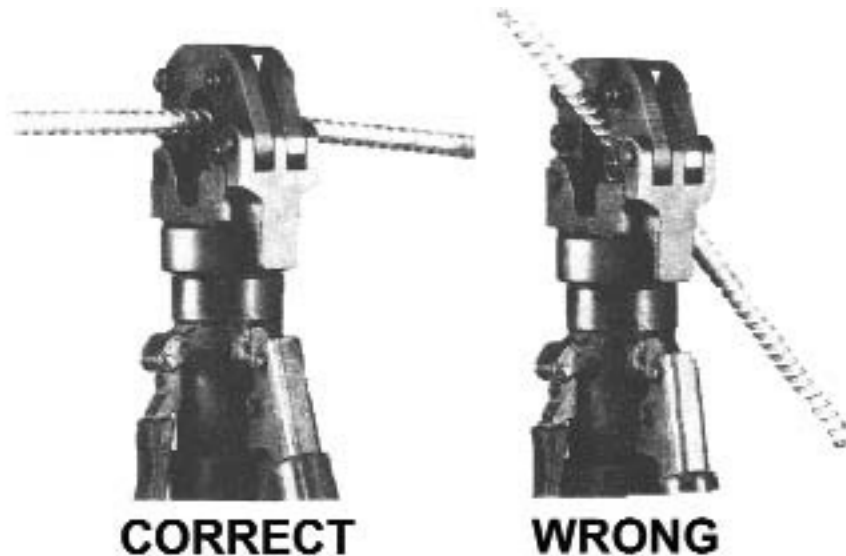
All tools can be used under water, consult factory for specific applications.

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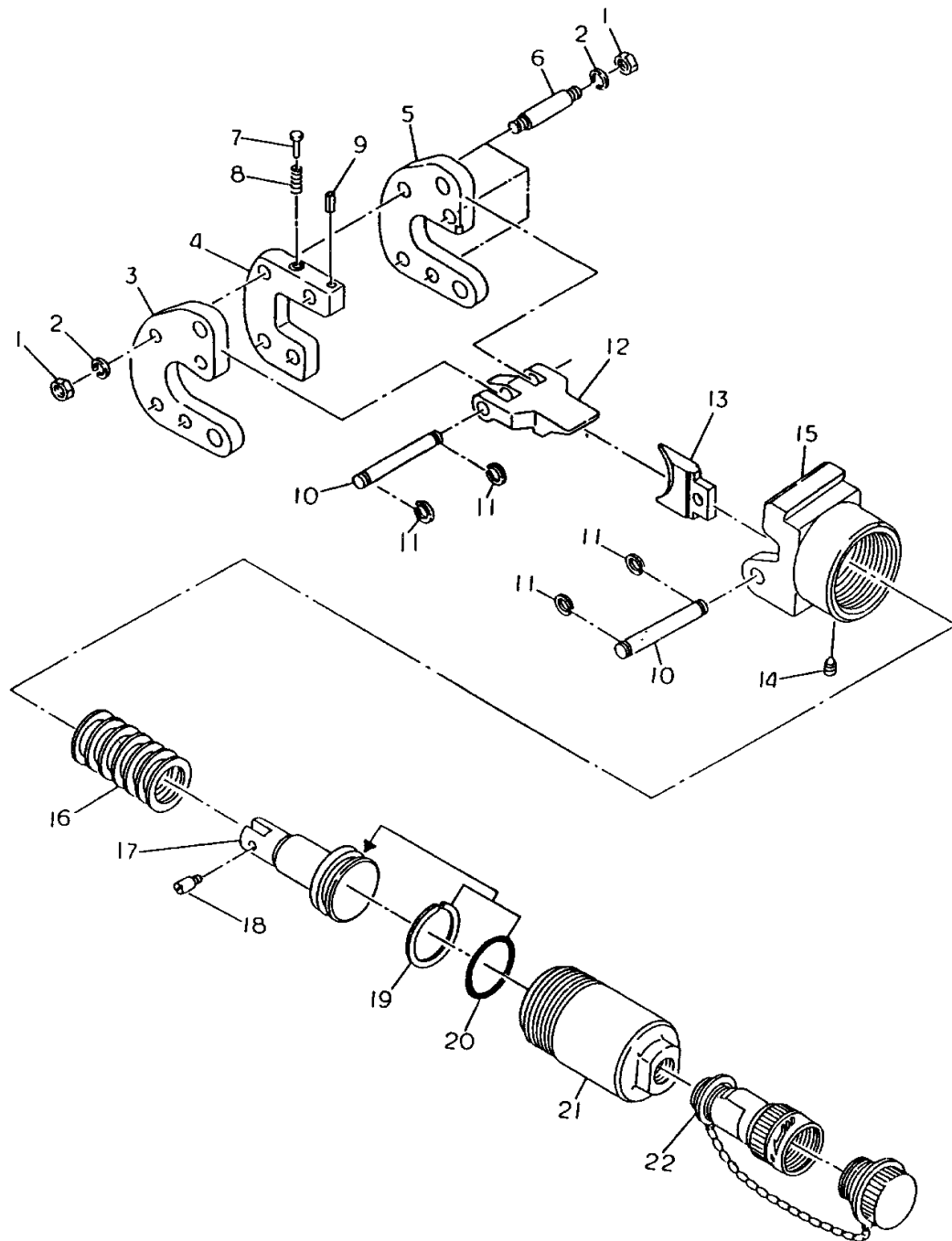
The following steps are guidelines for safe operation of the Huskie cutters. Please take the time to review them as these are helpful hints that have been accumulated over the years.

1. Stay within the maximum cutting limits of each tool as listed.
2. Try to keep the cutter head clean. When cleaning, use a spray lubricant to avoid a build up of dirt and sand which will damage the cutter head.
3. Stop pumping when the blade reaches the extreme end of its advance. If the material being cut (usually wire rope or soft cables) seems to be cut but does not break free of the tool, this indicates that the blade is jammed on a small piece of cable. Refer to "troubleshooting" on page three to free the blade.
4. All Huskie tools require proper care. Occasional cleaning and degreasing in solvent, and sharpening blade and cutter head, will keep these tools operating without problems.
5. The most common problem encountered is blade breakage. Ninety-nine percent of all breakage occurs because the cutter head is not securely latched before cutting. If the latch is not secured, the blade will push open the cutter head and damage both the body head and blade. This causes the outside ear of the blade to break on an angle. In some cases the whole cutter head may crack in half. Cutting material that is not specified may also cause blade damage. In time these blades will fatigue and crack and must then be replaced.
6. There may be a residue of oil present on new tools when they are removed from the original shipping container. This is to protect the tool from corrosion during shipment and storage, and should not be considered defective. The tool can be cleaned with a spray degreaser or soapy water.
7. If tool is jammed, avoid beating directly on the tool with a hammer, especially avoid flattening the piston cylinder. Use a hammer in conjunction with a block of wood or soft material to free the blade.
8. All tools can be reconditioned and overhauled. Call factory and obtain an RGA # for returning tools.
9. If the cutters are used under water, wash them down and lubricate after each use. This whole operation takes less than five minutes. It may be helpful to paint new tools with a light color, corrosion resistant paint.
10. Always return tools to their carrying bag to protect them from sand and dirt. Extra bags can be purchased.
11. Always carry a spare blade, preferably attached to the carrying bag.

12. Use clear hydraulic fluid MV-32 available from your dealer or HTI.
13. When cutting, keep area clear of spectators as hardened metals may fly apart when severed.
14. Always cut the material at a 90 degree angle to the blade. Any other angle may cause the blade and head shear to fracture. See illustration below.



1. Before cutting, make sure the material being cut is within the proper cutting capacity of the tool being used.
2. Before connecting the tool head, make sure the pump and hose being used is working properly, and adjusted to and rated at 10,000 psi. The use of a pump or hose that is not rated for 10,000 psi working pressure may cause severe tool damage and result in personal injury.
3. Connect the tool head to the pump or hose, making sure all coupler connections are secure. It is important that all connections are tight for tool to function properly.
4. Open cutter head by lifting latch or removing lock pin. Depending on the model being used.
5. Insert material between cutter head and blade and secure latch. It is important that you check the latch for proper engagement before continuing with the cut. Failure to secure the latch can result in severe tool damage and personal injury.
6. Align the material at a 90 degree angle to the blade. This will ensure a proper cut with minimal distortion. If the material is cut at any other angle, severe blade damage may occur. Refer to diagram on page two for proper alignment.
7. Proceed by operating pump to advance blade. If the pump has a hold feature, it is important to check for proper alignment of material and blade before cutting. Continue to operate pump and cut material.
8. Once the cut is made stop the pump and release pressure to retract the blade. It is not necessary to advance the tool any further after the cut has been completed. If the tool blade hangs up, be sure to check if coupler connections are tight, release mechanism on pump is functioning properly, or refer to page three "troubleshooting" to release blade.
9. Always wear eye protection and any other specified safety equipment when cutting. Be sure surrounding area is clear, as hardened metals may fly apart when severed.
10. For EHS guy wire or bridge strand, use models SP-24CC, S-24CC or S-32CC only! The use of any other SP-series cutter will result in severe blade damage and may cause personal injury.
11. Models SP-85 and SP-100 are designed for use on non-ferrous metals only! Do not cut steel or severe tool damage and personal injury may occur.



1. Problem: Small wire strands or pieces of cable or debris get jammed between the cutter head and blade, not allowing the blade to retract.

Solution: A) Hold release lever down while tapping on the ram with a block of wood and a hammer. If this does not work or tool continues to hang up, proceed to step "B".

B) Remove blade screw and release the ram. Then disassemble cutter head and remove burrs from both blade and head shear, using a flat grinding stone on the rolled edge. Do not sharpen like a knife – leave cutting edge flat!

2. Problem: Blade is advanced under pressure with no load and the release lever seems to be stuck.

Solution: A) Use both hands to depress lever using body weight and the ground or other strong surface for support. If this does not work, proceed to step "B".

B) Lay tool flat on the ground or other strong surface and hit release lever with a block of wood and a hammer to release pressure.

3. Problem: Tool will not advance when handle is pumped.

Solution: A) Remove body handle and check oil reservoir for proper fluid level. The oil should be to the top of the reservoir when the cap is removed. Be sure the tool is fully retracted before removing cap.

B) After storing for a long period of time, or occasionally when the tool is new, a check ball may be stuck not allowing it to advance. Invert the tool



NOTES



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