

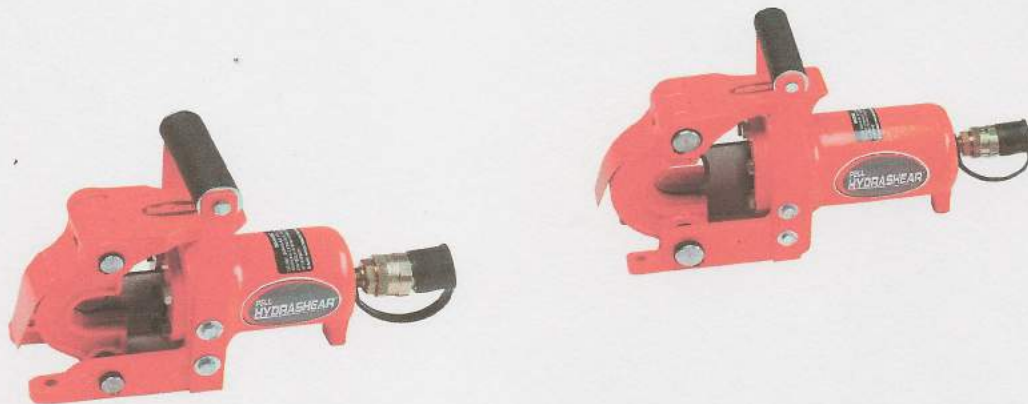
# PELL HYDRASHEAR MODEL

POC1125-80/POC1750-80

POC1125-94/POC1750-94

POC1125-94AIR

POC1750-94AIR



## PARTS AND OPERATING INSTRUCTIONS

Morse-Starrett Products Co., 184 NW 10<sup>th</sup> St. Meridian, ID 83642

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MORSE STARRETT  
HAMMER TYPE  
WIRE ROPE CUTTERS  
SEIZING BANDS

# MORSE-STARRETT PRODUCTS CO. and PELL CABLE CUTTER CO.

184 N.W. 10TH STREET  
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E-mail: sales@morse-starrett.com

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HYDRAULIC CUTTERS  
FOR WIRE ROPE  
PRE-STRESSED STRAND  
REINFORCING BAR  
CHAIN

## OPERATING & SERVICE INSTRUCTIONS FOR POC1125-80/POC1125-94/POC1125-94AIR POC1750-80/POC1750-94/POC1750-94AIR

**IMPORTANT: WHEN REPLACING OIL, CHECK THE PUMP SERVICE MANUAL FOR OIL SPECIFICATIONS. DO NOT USE HYDRAULIC BRAKE FLUID.**

**When using the cutting head, a pressure gauge must be used on your pump.**

### OPERATING:

1. RAISE LATCH (#33) AND OPEN SHEAR BLADE HOLDER (#43). PLACE WIRE IN SHEAR BLADE HOLDER AND CLOSE LATCH. IF LATCH WILL NOT CLOSE, BLADE IS NOT ALIGNED TO THE SHEAR BLADE, THE GUIDES OR THE MATERIAL TO BE CUT IS OVER SIZE.
2. BEING SURE LATCH (#33) IS IN CLOSED POSITION, TURN POWER SWITCH TO ON POSITION. THIS WILL START BLADE FORWARD TO CUT CABLE. IMMEDIATELY AFTER COMPLETING CUT, RETURN POWER SWITCH TO OFF POSITION AND THE BLADE WILL RETURN TO RETRACTED POSITION.
3. IF BLADE DOES NOT RETRACT WITH LATCH CLOSED, PRY BACK WITH CLAW BAR, SCREW DRIVER OR OTHER TOOL. **DO NOT POUND WITH HAMMER!!!**

### SERVICING:

- A. IF RAM WILL NOT RETRACT INTO CYLINDER, IT PROBABLY HAS BEEN BURRED OR DAMAGED SO THAT IT WILL NOT CLEAR THE RAM COLLAR. FILE OFF BURRS TO PERMIT CLEARANCE.
- B. TO RE-SHARPEN OR REPLACE BLADE, PUMP UNTIL PIN #5 IS CLEAR OF RAM COLLAR. DRIVE PIN OUT AND BLADE WILL LIFT OUT. TO SHARPEN THE BLADE, USE A FINE GRINDING WHEEL OR A CARBORUNDUM STICK. DO NOT SHARPEN TO A FINE EDGE.
- C. IF THE BLADE WILL NOT PUMP OUT ENTIRELY, LOOK FOR OIL SHORTAGE. TO ADD OIL, WIPE AWAY ALL LOOSE DIRT AND REMOVE RETURN LINE FROM THE PUMP. POUR IN SUFFICIENT OIL SO THAT WHEN PUMPING, RAM WILL TRAVEL TO MAXIMUM POSITION. WHEN REFILLING, USE ONLY NEW CLEAN OIL.

D. TO REMOVE RAM FROM CYLINDER, FOLLOW STEPS BELOW, REMEMBER THE RAM COLLAR IS UNDER SPRING TENSION!!!

1. REMOVE PART #43 FROM BODY.
2. TO REMOVE RAM FROM CYLINDER, PUMP RAM UNTIL BLADE PIN (#5) IS CLEAR OF COLLAR (#8). DRIVE BLADE PIN OUT ABOUT 1/4" FROM RAM. RETRACT RAM SO BLADE PIN WILL REST ON COLLAR. REMOVE 3 3/8" BOLTS FROM THE COLLAR AND PULL ON RAM BY HOLDING BLADE AND TWISTING BACK AND FORTH.

E. IF YOU FEEL YOU ARE HAVING EXCESSIVE BLADE BREAKAGE, CAREFULLY EXAMINE YOUR SHEAR BLADES. IF THE SHEAR BLADES ARE CRACKED OR BROKEN, THEY PERMIT SMALL PIECES OF STEEL TO WEDGE IN BETWEEN THE BLADE AND SHEAR BLADES AND EXCESSIVE BLADE BREAKAGE WILL OCCUR. IF THE SHEAR BLADES ARE BROKEN OR CRACKED, EXAMINE THE SHEAR BLADE HOLDER. OCCASIONALLY, SHEAR BLADE HOLDERS ARE BENT DUE TO EXCESSIVE PRESSURE DEVELOPED AND ESPECIALLY SO WHERE THE OPERATOR HAS ATTEMPTED TO CUT SOLID BAR STOCK. IF AT ANY TIME THE HINGE OR LATCH PINS ARE BENT, WHICH IS INDICATED BY DIFFICULT OPENING OF THE SHEAR BLADE HOLDER, CHECK FOR BENT SHEAR BLADE HOLDER. IF THE SHEAR BLADE HOLDER IS BENT, EXCESSIVE BREAKAGE OF THE SHEAR BLADES WILL OCCUR.

F. WE USE IN THE HYDRASHEAR A HOLLOW SPLIT BLADE PIN. IN ATTEMPTING TO REMOVE THE BLADE PIN, DO NOT ATTEMPT TO DRIVE IT OUT OF THE USE OF A NAIL OR SMALL PIECE OF WIRE. USE A PUNCH OR BLUNT OBJECT WHICH WILL CLOSELY FIT THE BLADE PIN HOLE. THIS HOLE IS 3/16" DIAMETER. A NAIL IS SATISFACTORY IF THE POINT IS CUT OFF BEFORE ATTEMPTING TO USE IT.

FOR PUMP SERVICE AND WARRANTY, SEE YOUR PUMP MANUAL.

**A PRESSURE GAUGE MUST BE USED WHEN OPERATING CUTTING HEAD WITH ANY TYPE OF PUMP.**





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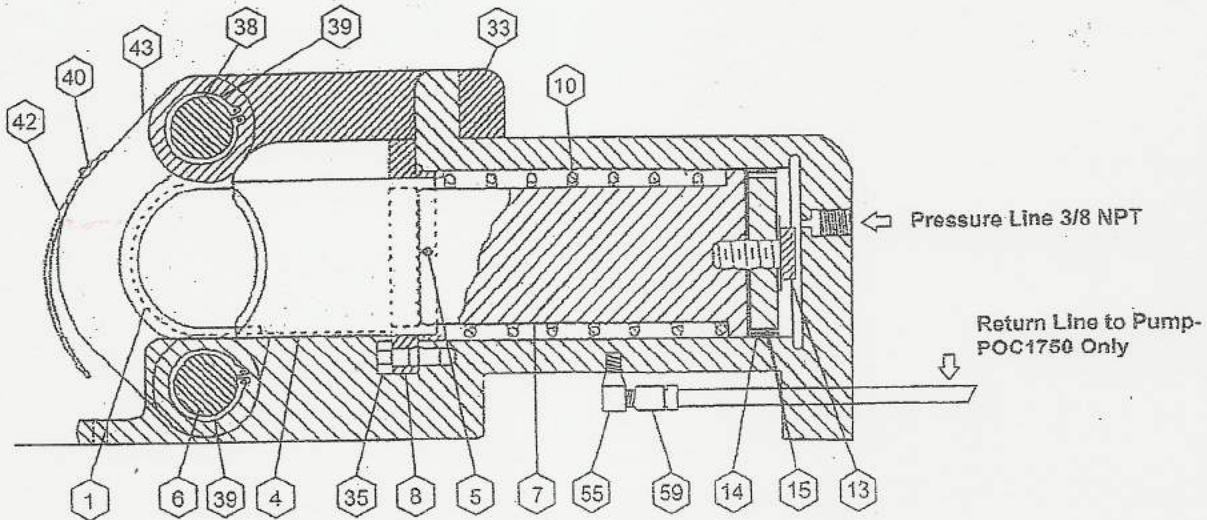
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## POC1125 AND POC1750 REPLACEMENT PARTS CHART AND DESCRIPTION

- |                          |                        |
|--------------------------|------------------------|
| -1 Dies (set)            | -33 Latch              |
| -4 Blade                 | -35 Collar screw (3)   |
| -5 Blade pin             | -38 Latch pin          |
| -6 Hinge pin             | -39 Snap rings (4)     |
| -7 Ram                   | -40 Guard screw (2)    |
| -8 Ram collar            | -42 Guard plate        |
| -10 Retracting spring    | -43 Shear blade holder |
| -13 Ram retaining screw  | -55 1/4" NPT elbow     |
| -14 Cup leather w/O-ring | -59 1/4" NPT valve     |
| -15 Cup retainer         |                        |

If repair or parts for your pump are required, consult your local hydraulic service center or pump manufacturer.