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"YOUR SOURCE FOR WORKPLACE SOLUTIONS"

HY-Series Hydraulic Pinch Off Tool – Handset Repair / Maintenance HY-250, HY-500, HY-750 & HY-1.0

The procedures for disassembling and repairing all of the HY-Series Hydraulic Pinch Off tool handsets is the same. The part numbers for the internal components will differ based upon the model being repaired, however the process to break down the tools is as shown below.

REMOVING PINCH OFF JAWS FROM TOOL BODY & REPLACE JAW SPRINGS

Remove small Phillips head screw at the base of the jaw guard.



Manually manipulate the jaws by hand to the FULLY CLOSED position and “slowly” slide the jaw guard off the tool body. **NOTE: There are 2 small coil springs inside the shroud. By holding the jaws closed, the spring remains compressed during this disassembly and will prevent the springs from damage. Be sure to catch the springs as they are exposed.**



With the jaw guard and springs removed, simply push the center pivot pin out of the jaw body. The pinch off jaws can now be removed.



Check the rear jaw rollers and front carbide rollers for excessive wear or chipping. Replace if necessary.

This is a good time to remove all the rollers, clean and lubricate the rollers and roller channels, then reassemble.

Reassemble in reverse order

NOTE: When reinstalling the jaw springs, manually close the jaws and slowly slide the jaw guard over the tool body to a location just beyond the spring pockets on the jaws. Manually open the jaws prior to installing the springs. Both jaw springs should be installed at the same time. With the jaws open and the jaw guard located just beyond the spring pockets, compress the springs by hand and slowly slide the leading edge of the springs under the jaw guard. Now, manually close the jaws to fully compress the springs and slowly push the jaw guard over the springs. Align the set screw hole (in the jaw guard) with the threaded hole on the tool body. Once aligned, you can release the jaws. Install the set screw. Manually open and close the jaws and confirm the jaws are functioning without restriction. If a jaw spring becomes twisted during installation, you will be able to hear and feel it.

REPLACING INTERNAL SEALS AND INTERNAL HANDSET SPRING

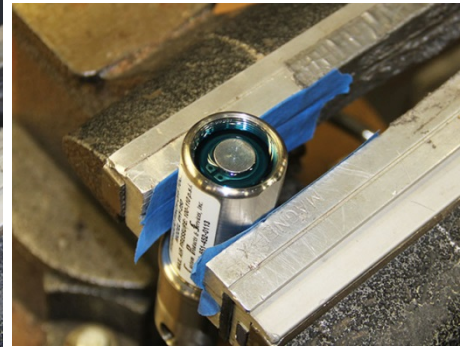
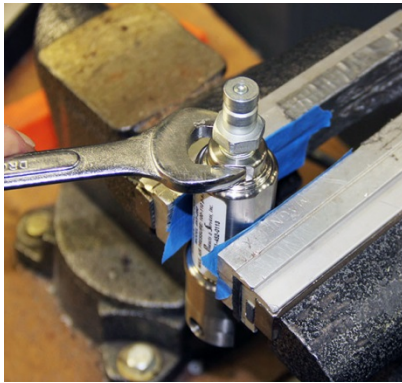
Remove the jaws from the body using the procedure detailed in the section above.

Using a straight blade screwdriver, remove the cam by turning it counter clockwise until the cam separates from the piston shaft.



Secure the tool body in a vise (jaw end pointed down) using smooth vise jaw pad to prevent damage to the tool.

Remove the end cap using a wrench.



Remove the tool from the vise. Place a finger on top of the shaft before emptying the oil. The internal components are now loose. When the oil is drained you can now remove the internal components and spring.



Remove the O-ring seal

Remove the snap ring to separate the piston cup from the shaft.

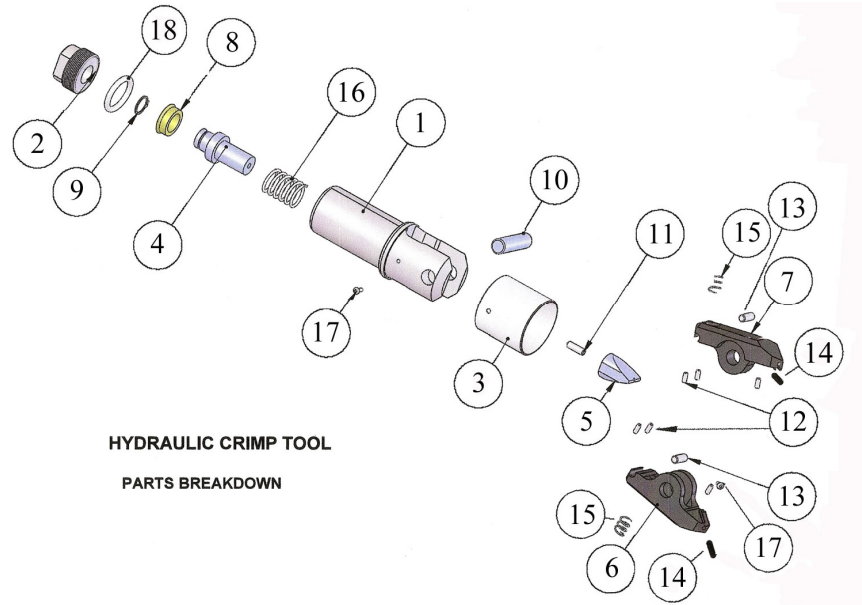
Remove the spring.



Inspect all components for wear and replace as needed.

Reassemble in reverse order.

HY-SERIES HANDSET EXPLODED VIEW DRAWINGS AND PARTS LIST



Component Parts for ALL HY-Series Hydraulic Pinch-Off Tool Handsets

Items shown in **RED** should be replaced as recommended in the body of this document

DRG#	HY-250	HY-500	HY-750	HY-1.0	DESCRIPTION	QTY
1	HYP-6	HYP-6-500	HYP-6-750	HYP-6-100	Housing	1
2	HYP-7	HYP-7-500	HYP-7-750	HYP-7-100	Plug	1
3	HYP-8	HYP-8-500	HYP-8-750	HYP-8-100	Jaw Guard	1
4	HYP-9	HYP-9-500	HYP-9-750	HYP-9-100	Piston Shaft	1
5	HYP-28	HYP-10-500	HYP-10-750	HYP-10-100	Cam	1
6	HYP-2	HYP-2-500	HYP-2-750	HYP-2-100	Right Side Jaw	1
7	HYP-1	HYP-1-500	HYP-1-750	HYP-1-100	Left Side Jaw	1
8	HYP-13	HYP-13-500	HYP-13-750	HYP-13-100	Piston Cup	1
9	HYP-14	HYP-14-500	HYP-14-750	HYP-14-100	Snap Ring	1
10	HYP-16	HYP-16-500	HYP-16-750	HYP-16-100	Pivot Pin	1
11	30-01	22-CLP	20-CLP-2000	20-CLP-2000	Piston Shaft Screw	1
12	HYP-18	HYP-18-500	HYP-18-750	HYP-18-100	Roller Stop	4
13	HYP-17	HYP-17-500	HYP-17-750	HYP-17-100	Roll Fin	2
14	HYP-4	HYP-4-500	HYP-4-750	HYP-4-100	Carbide Inserts	2
15	HYP-12-K2	HYP-12-K2	HYP-12-047E	HYP-12-0473E	Jaw Springs	2
16	HYP-11	HYP-11-500	HYP-11-750	HYP-11-100	Piston Spring	1
17	HYP-25	HYP-25-500	HYP-25-750	HYP-25-100	Mounting Screw	2
18	18-MSP	15A-01	15A-003	15A-003	Housing O-Ring	1
19	HYP-25	28-01-K10	32-01	32-01	Screw	3