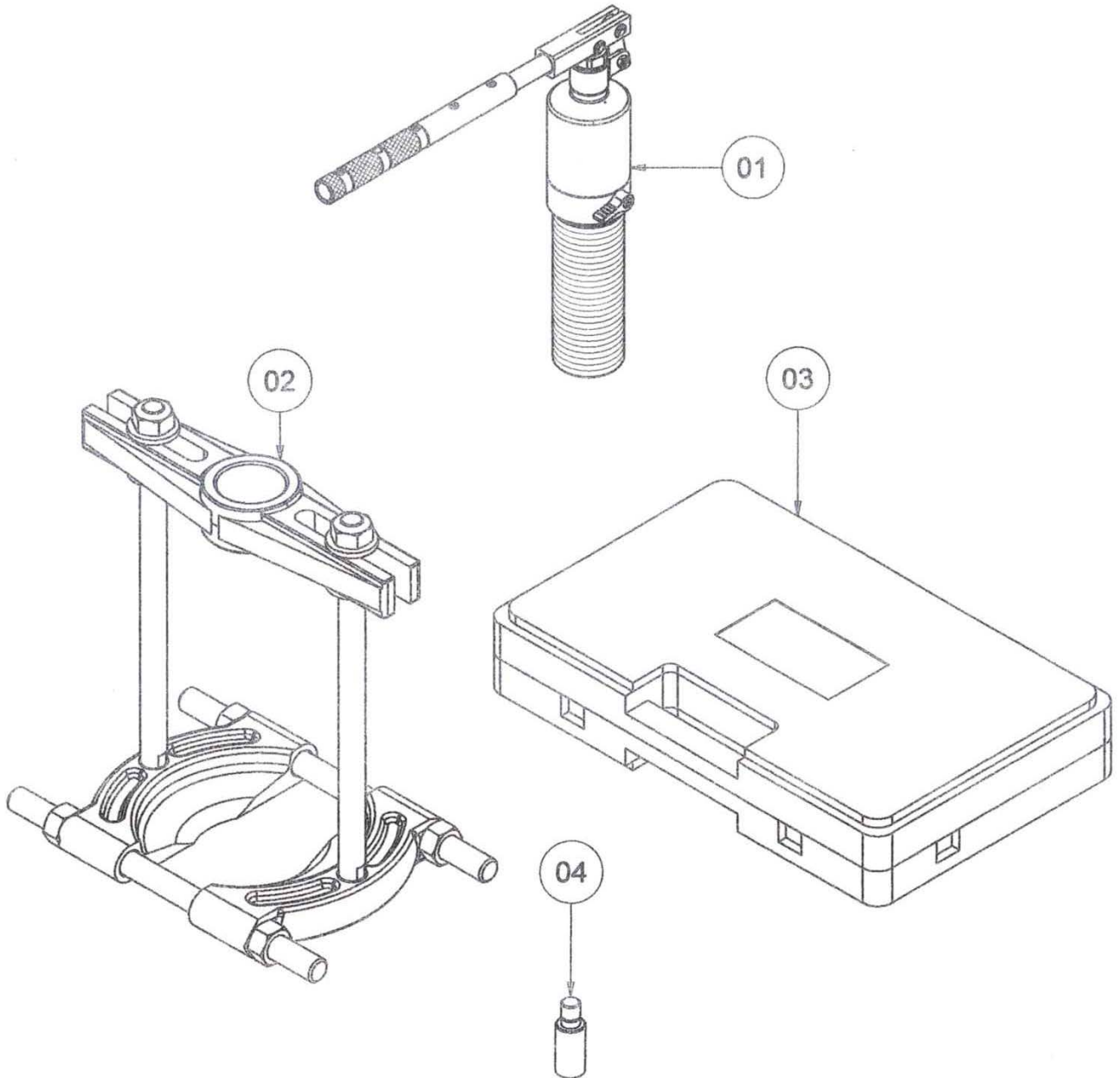




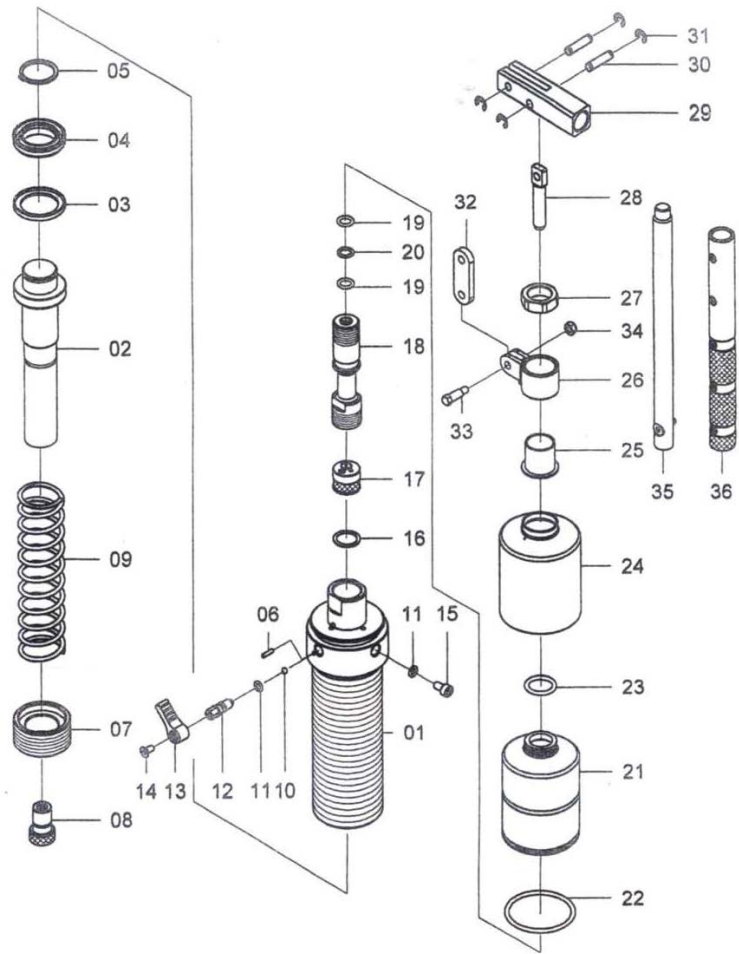
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HYDRAULIC BEARING PULLER (12 TONS)

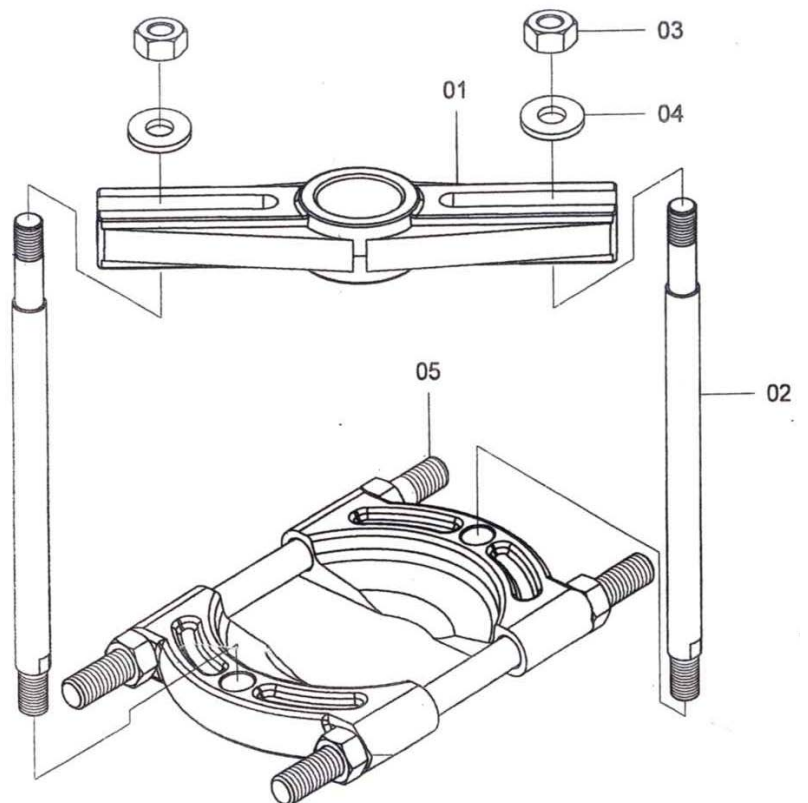


REF NO.	DESCRIPTION	Q'TY
01	Puller Body	1
02	Cross Bearing Assembly	1
03	Blow Molded Case	1
04	Extension Bar	3

REF NO.	DESCRIPTION	QTY
01	Puller Body	1
02	Puller Piston Rod	1
03	Back-Up Ring	1
04	U-Cup Seal	1
05	Retaining Ring	1
06	Roll Pin	1
07	Rod Wiper	1
08	Removable Cone Assembly	1
09	Compression Spring	1
10	Steel Ball	1
11	O-Ring	2
12	Relief Valve Screw	1
13	Relief Valve Knob	1
14	Screw	1
15	Oil Fill Screw	1
16	Copper Washer	1
17	Safety Valve	1
18	Pump Piston Housing	1
19	O-Ring	2
20	Back-Up Ring	1
21	Reservoir Bladder	1
22	O-Ring	1
23	O-Ring	1
24	Bladder Housing	1
25	Piston Housing Cap	1
26	Swivel Clevis	1
27	Retaining Nut	1
28	Pump Piston Rod	1
29	Handle Clevis	1
30	Clevis Pin	2
31	E-Ring	4
32	Link Connector	1
33	Clevis Screw	1
34	Anti-Loosen Nut	1
35	Solid Handle Lever	1
36	Handle Rod	1



REF NO.	DESCRIPTION	QTY
01	Puller Crosshead	1
02	Threaded Stud	2
03	Hex Nut	2
04	Washer	2
05	Bearing Attachment	1



Note: These instructions must be read and carefully followed.

SAFETY NOTES

- ◆ **These pullers should be used by trained personnel familiar with them.**
- ◆ **Select the proper size and capacity of the puller for job.**
- ◆ **Align the puller on the same centerline as the part being removed. Failure to align parts correctly can result in a dangerous operating situation because of the high hydraulic pressure used.**
- ◆ **Always apply force gradually.**
- ◆ **Never heat the part to be removed, when the puller connect with the part. The heating can result in the damage on the parts of puller.**

SETUP AND OPERATION

NOTE: These pullers have a attachment for the parts to be removed to fit, the attachment combination is strongly recommended whenever the job space allows for it, which gives a more secure grip & more even pulling force.

- 1. Select the proper size and capacity of puller needed for the job, which is determined by measuring “ reach “ and “ spread “ of the part to be pulled.**
- 2. Screw the foldable handle into the handle clevis. See Figure 1.**

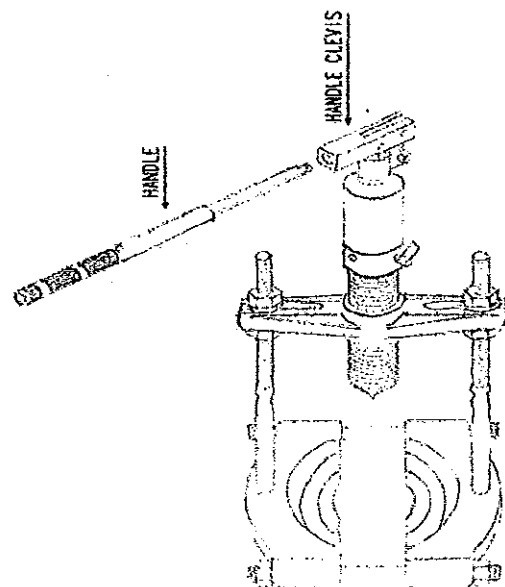


Figure 1.

3. Turn the control valve knob completely in a clockwise direction to advance the piston.
See Figure 2.

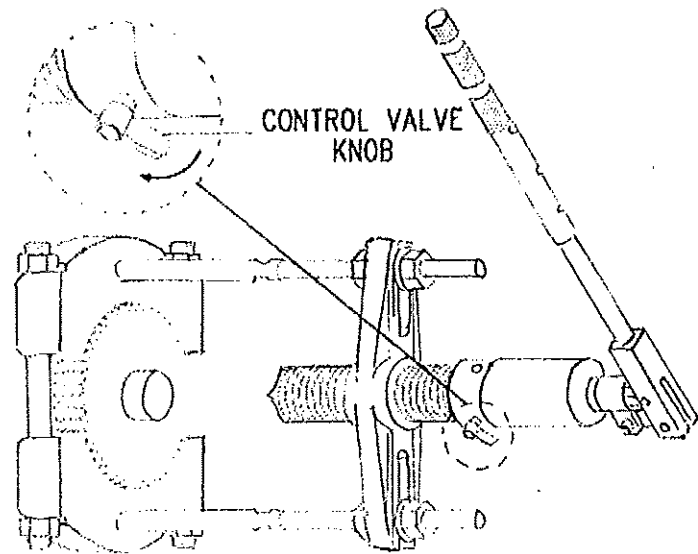


Figure 2.

4. Being positioning the puller and attachment covering the part to be pulled, removing most of the slack by threading the puller body forward or adjusting the nuts on the threaded studs. Pump the handle to advance the piston, stopping just as the removable cone touches the part. Make final puller positioning adjustments with the piston. The puller must be on the same centerline as the part to be pulled and the attachment fully engaged and secure.
* The puller crosshead must be fully engaged with the threads of the puller body.
See Figure 3.

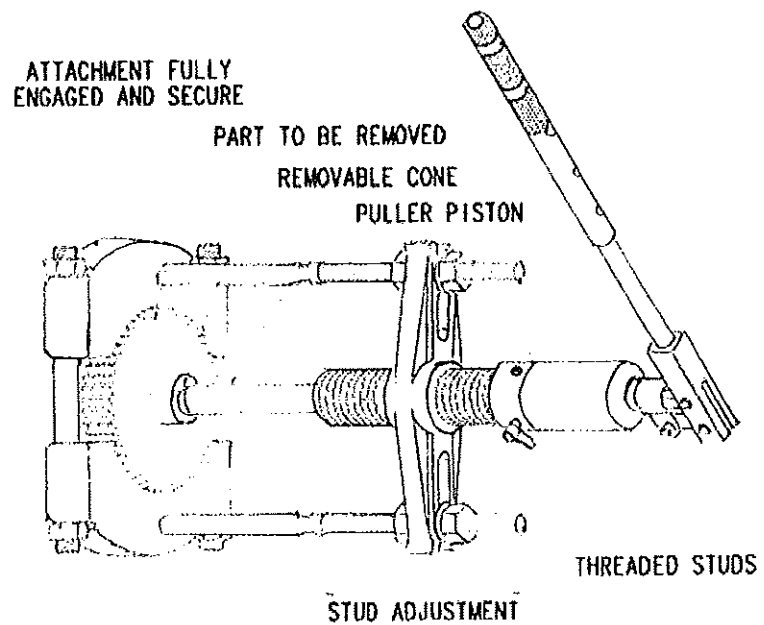


Figure 3.

5. The handle rotates a full 360° to allow the best location for pumping.
See Figure 4.

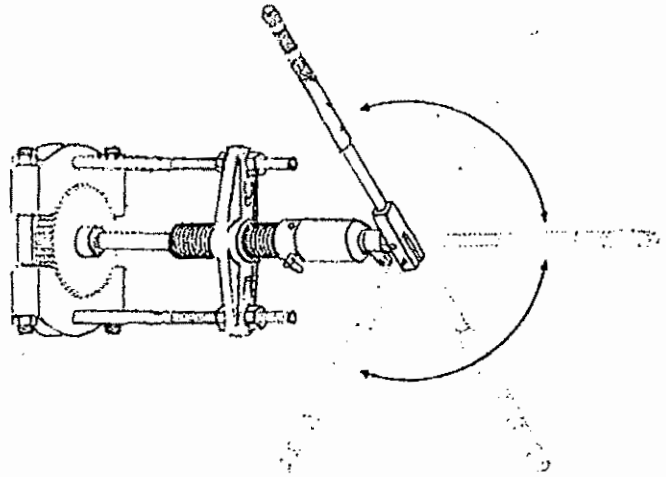


Figure 4.

6. Hold the puller with one hand and pump the handle with the other hand, advancing the piston until the part is removed. See Figure 5.

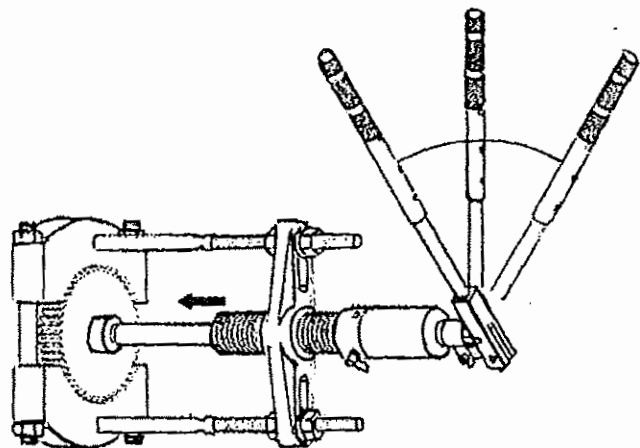


Figure 5.

7. Turn the control valve knob completely in a counterclockwise direction to retract the piston.
See Figure 6.

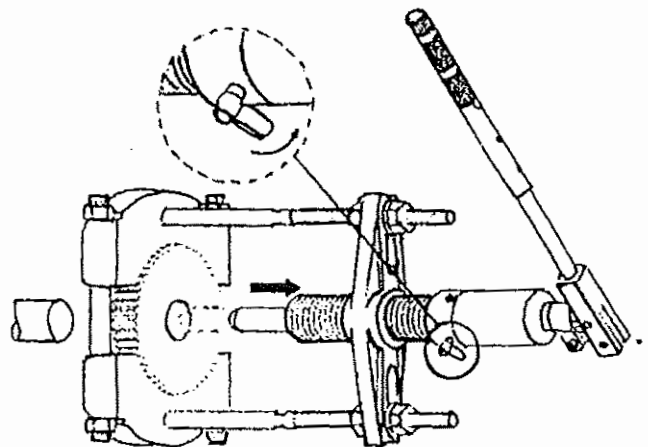


Figure 6.