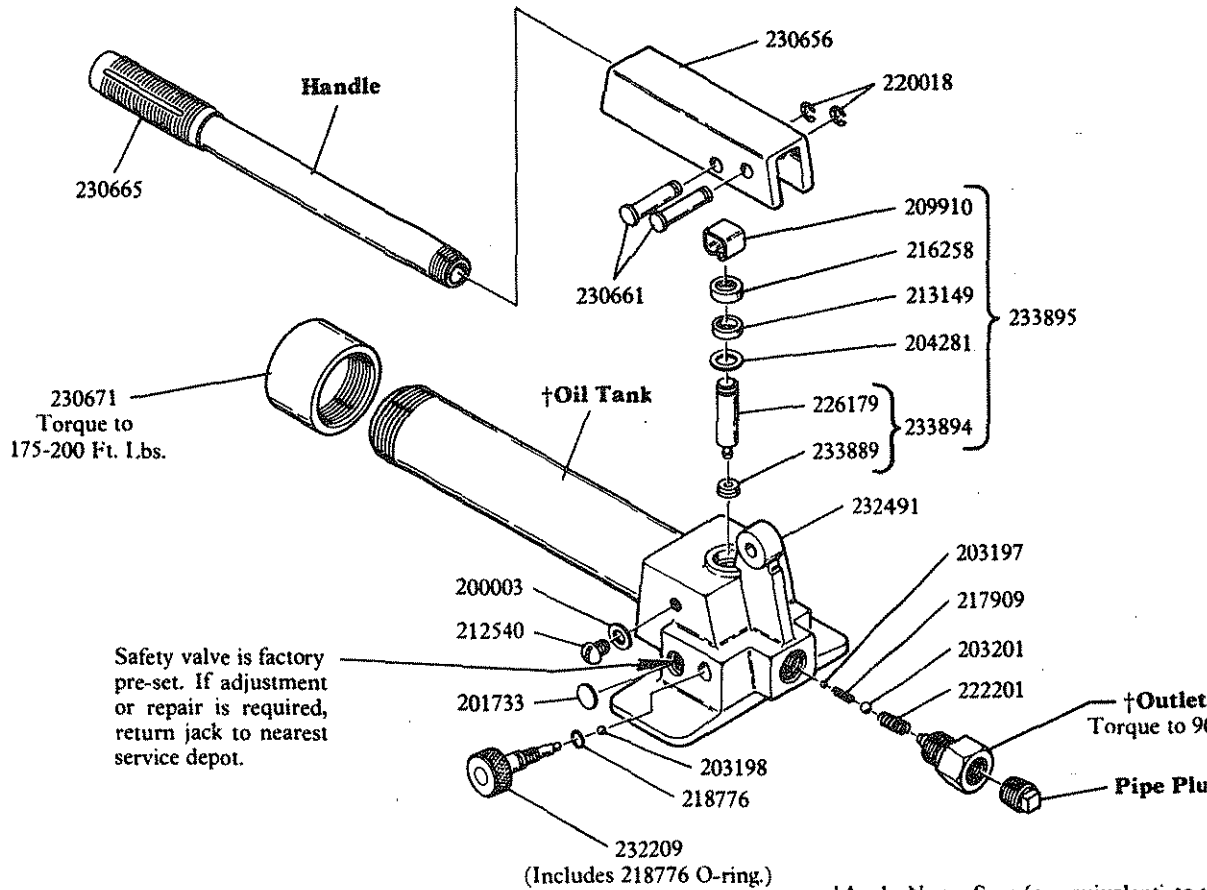


MANUAL HYDRAULIC BODY-JAK™ PUMPS

Models 91-101, 93101, YA-301
Series "D"
91-102, 93102, YA-302
Series "C"



MODEL	LABEL KIT NO.	REPAIR KIT NO.
91-101	240126	91-407
93101	240127	240550
YA-301	240151	240550
91-102	240128	91-407
93102	240129	240550
YA-302	240230	240550

MODEL	OIL TANK	HANDLE	OUTLET PLUG	PIPE PLUG
91-101, 93101, YA-301	232492	234693	230663	230662
91-102, 93102, YA-302	230673	234694	230675	230674

SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
*200003	1	Gasket	*213149	1	Packing ring	230661	2	Pin
201733	1	Expansion plug	*216258	1	Pump gland cover	230665	1	Grip
*203197	1	Ball	*217909	1	Spring	230671	1	End cap
*203198	1	Ball	*218776	1	O-ring	232209	1	Release stem a
*203201	1	Ball	220018	2	Retaining ring	232491	1	Pump housing
*204281	1	Washer	*222201	1	Spring	*233889	1	U-cup packing
209910	1	Pump clip	226179	1	Piston	233894	1	Pump assembl
212540	1	Filler screw	230656	1	Handle socket	233895	1	Complete pum

*Included in 91-407 & 240550 Repair Kits.

LINCOLN

A PENTAIR COMPANY

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St. Louis, MO 63120-1578
(314) 679-4200
Customer Service, (314) 679-4300

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DIMENSIONS

Model	High Height	Low Height	Overall Length	Handle Length	Overall Width
91-101, 93101, YA-301	12"	5"	17-1/8"	15-1/4"	6"
91-102, 93102, YA-302	18-3/4"	5"	26"	23-1/4"	6"

SPECIFICATIONS

Model	Capacity	Max. Output Pressure (psi)	Hyd. Oil Capacity (cu. in.)	Piston Dia.	Pump Stroke	Outlet Connection
91-101, 93101, YA-301	4 Ton	7,000	31	1/2"	3/4"	1/4" NPTF (F)
91-102, 93102, YA-302	10 Ton	10,000	55	1/2"	3/4"	3/8" NPTF (F)

TROUBLESHOOTING

PROBLEM	SOLUTION
1) Ram will not extend fully. 2) Ram will not operate under load.	Oil capacity of pump is not great enough for ram. Pump could be low on oil - Position the pump horizontally. Retract the ram fully and remove the filler screw located on the pump base. Fill with clean Hydraulic Jack Oil - correct oil level is reached when oil level is at bottom edge of fill hole. Close release valve and fully extend the ram. Then retract the ram to bleed air out of the line. Check oil level and replace filler screw.
1) Ram will not retract completely.	Oil tank could be overfilled - Remove filler screw and open release valve to retract the ram completely. Any excess oil will run out fill hole. Replace filler screw when oil has stopped flowing.
1) Ram moves erratically. 2) Ram will not extend fully. 3) Ram will not operate under load. 4) Pump feels "spongy" under load.	Pump could be "air bound" - Locate the ram lower than the pump with the quick coupler facing upward. Position the pump vertically with the hose end pointing downward so that the hose remains straight. Open release one full turn and pump several times. Close the release. Extend and retract the ram one or two times. Pump should now operate properly.

If the above procedures do not correct the problem, contact your nearest service depot. When submitting any jack or equipment to be repaired, be sure to state the nature of the problem and indicate whether an estimate of the repair cost is needed.

IMPORTANT: As with any hydraulic unit, this unit may occasionally become "air bound" due to being tipped over during shipment. Refer to instructions above to purge air from the pump.

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.

LINCOLN provides a Distributor Network that stocks equipment and replacement parts.

A list of Authorized Service Departments will be furnished upon request.