



YELLOW JACKET



OPERATOR'S MANUAL

10399

20 TON

LOW PROFILE AIR BOTTLE JACK



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SPECIFICATIONS

Lifting Capacity	Min. Height	Max. Height	Net Weight	Air Pressure
US Tons	in.	in.	Lbs.	psi
20	5.83	10.25	9.5	100-145

OWNER/OPERATOR RESPONSIBILITY

It is the owner/operator responsibility to properly use and maintain this equipment and the legibility of all warnings and instruction labels. Carefully read and understand the instructions and warnings in this manual before operating this equipment. Keep this manual in a safe location for future reference.

 WARNING 	
FAILURE TO HEED THESE WARNINGS MAY RESULT IN PROPERTY DAMAGE AND OR PERSONAL INJURY.	
-Support load by appropriate means after lifting -Do not exceed rated capacity. -Center load on the jack. -Only use attachments and/or adapters supplied with or sold specifically for the jack. -Only lift areas of the vehicle designated by the vehicle manufacturer.	-Use as lifting device only. -Use only on hard, level surface. -Do not modify jack.

INSPECTION

Prior to each use, visually inspect for leaking hydraulic oil, damaged, loose or missing parts. If jack is worn or damaged remove from service and contact your nearest service center for repair.

MAINTANENCE

Check oil level. With the jack in an upright position and the ram completely retracted, open the release valve (turn counter-clockwise) and remove the filler plug. The oil level should be just up to the hole. Fill if necessary with cleanhydraulic jack oil.

Lubricate internal components. With the release valve open, manually pump the handle six times.

Purge the hydraulic system of air. During transit the unit may become "air-bound", causing a spongy ram action. To purge the system, close the release valve (turn clockwise). Manually pump the jack to full height. Open the release valve and push down on the ram. Repeat these steps if necessary to completely purge the system.

Keep the jack clean. Occasionally lubricate the handle socket pivot point, extension screw, release screw thread, and air valve to prevent corrosion.

OPERATION

- Jack operation is controlled either manually or by external air pressure. Either insert the handle into the handle socket to manually operate or connect to an external air pressure source (clean connections prior to assembly).
- To raise the jack, turn the release valve clockwise until tight and either manually pump with the provided handle or while connected to an air supply depress the air valve.

 WARNING 	
FOR YOUR SAFETY	
USE JACK FOR LIFTING ONLY. LOAD MUST BE SUPPORTED IMMEDIATELY BY OTHER APPROPRIATE MEANS.	

- To lower the jack turn the release valve counter clockwise slightly and very slowly. Be careful not to turn valve quickly or more than twice, otherwise, dangerous sudden lowering may occur.

PARTS LIST

No.	Description	Q'TY	No.	Description	Q'TY
1-1	Snap Ring	1	1-26	Nut	1
1-2	Bushing	2	1-27	Butterfly Spring	1
1-3	O-ring	1	1-28	Screw	8
1-4	Ram Assy.	1	1-29	Base Cover	1
1-5	Piston Ring	1	1-30	Air Motor Housing	1
1-6	Washer	1	1-31	Steel Ball	4
1-7	O-ring	1	1-32	Nut	1
1-8	Ball retainer	1	1-33	Spring	1
1-9	Steel Ball	2	1-34	Washer	1
1-10	Oil Pump Welding Parts	1	1-35	Air Pump Plunger	1
1-11	Oil Filler Plug	1	1-36	Air Piston Base	1
1-12	Ball Seat	1	1-37	O-ring	2
1-13	Safety Valve Spring	1	1-38	Air Shuttle Valve	1
1-14	O-ring	2	1-39	O-ring	2
1-15	Pressure Adjusting Screw	1	1-40	Air Piston	1
1-16	Cap	1	1-41	Shuttle Valve Seal*	1
1-17	Steel Ball	1	1-42	O-ring	3
1-18	Release Rod	1	1-43	Screw	3
1-19	Cooper Washer	2	1-44t	O-ring	2
1-20	Valve Block Assy.	1	1-45	O-ring	1
1-21	Nylon Gasket	1	1-46	Top Cover	1
1-22	Pump Cylinder	1	1-47	Release Oil Handle	1
1-23	Y-ring	1	1-48	O-ring Retainer	1
1-24	Nylon Gasket	1	1-49	Snap Ring	1
1-25	Copper Washer	1	2	Air Hose Assy.	1