



INSTRUCTION MANUAL

#14455 PREMIUM AIR HYDRAULIC BOTTLE JACK



!WARNING!

FAILURE TO READ THESE WARNINGS MAY RESULT IN PROPERTY DAMAGE AND OR PERSONAL INJURY.

Support load by appropriate means after lifting. Use as lifting device only. Do not exceed rated capacity. Use only on hard level surface. Center load on the jack. DO NOT MODIFY JACK. Only use attachments and/or adapters supplies with or sold specofically for the jack. Only lift areas of the vehicle designated by the vehicle manufacturer.

Specifications

MODEL	LIFTING CAPACITY	MIN. HEIGHT	1ST STAGE HEIGHT	NET WEIGHT	GROSS WEIGHT	PACKAGE SIZE	AIR PRESSURE
14455	20 TON	245 MM	475 MM	16 KG	18 KG	31x24x31 MM	0.7-1.0 MPa

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.

Warranty of this unit will be void on any part if the unit subjected to misuse due to overloading, abuse, lack of maintenance and unauthorized modifications. No warranty – verbal, written or implied – other than the official, published AME new machinery and equipment warranty will be valid with this unit. In addition, it is your responsibility to be aware of existing Federal, State and Local codes and regulations governing the safe use and maintenance of this unit.

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.

Maintenance

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 filter plug. The oil should be just up to the hole. Fill if necessary with clean hydraulic 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

1. 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).
2. 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 YOU SAFETY
USE JACK FOR LIFTING ONLY. LOAD MUST BE
SUPPORTED IMMEDIATELY BY OTHER APPROPRIATE MEANS.

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

Trouble Shooting

PROBLEM	CAUSE	SOLUTION
Air pump will not operate	Low air pressure Air outlet is frozen Lack of oil Other	Keep air pressure between 0.7-1.0 MPA Stop using and thaw frozen outlet Supply oil to air vavle Contact service center
Air pump acts but ram won't rise	Release valve is open Lack of hydraulic oil "Air-bound" system Other	Close valve clockwise Supply hydraulic oil See maintanance Contact service center
Ram will not rise to highest position	Lack of hydraulic oil Release valve not fully closed	Supply hydraulic oil Close valve clockwise
Ram will lower slowly	Outlet valve dirt or defective Air pump packing defective	Contact service center
Ram will rise slowly	Filter is full Air pump packing defective Release valve not fully closed	Contact service center
Oil blowing from air pump	Air pump packing defective	Contact service center
Ram will not lower	Release valve/crcuit defective	Contact service center

***SERVICE: Contact your nearest authorized service center for repairs and/or replacement parts.**

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Parts Breakdown

PARTS LIST

Item #	Description	Qty
14455-01	Handle Grip	1
14455-02	Lower Handle	1
14455-03	Press Button	2
14455-04	Spring Clip	2
14455-05	Middle Handle	1
14455-06	Upper Handle	1
14455-07	Link Pin	2
14455-08	Pump Core Pin	1
14455-09	Handle Socket	1
14455-010	Pin	3
14455-011	Linking Rod	1
14455-012	Pump Core	1
14455-013	Dust Proof Ring	1
14455-014	Snap Ring	1
14455-015	O-Ring	3
14455-016	Pump Core	1
14455-017	Nylon Collar	2
14455-018	Cooper Washer	4
14455-019	Oil Valve Body	2
14455-020	Oil Valve Rod	1
14455-021	Steel Ball	1
14455-022	Welded Base	1
14455-023	Spring	2
14455-024	Piston Snap Ring	1
14455-025	O-ring	1
14455-026	Washer	1
14455-027	Piston Ring	1
14455-028	Piston	1
14455-029	Snap Ring	2
14455-030	O-ring	1
14455-031	Spring Lid	1
14455-032	Steel Ball	3
14455-033	Ball Valve Seat	1
14455-034	Spring	1
14455-035	Adjusting Screw	1

Item #	Description	Qty
14455-036	Seal Bolt	1
14455-037	Washer	2
14455-038	Washer	2
14455-039	Bolt	2
14455-040	Oil Plug	1
14455-041	Carrying Handle	1
14455-042	Air Motor	1
14455-043	Seals	1
14455-044	Nylon Collar	1
14455-045	Bushing	1
14455-046	Bolt	1
14455-047	Spring	1
14455-048	Bolt	8
14455-049	Cover Board	1
14455-050	Bolt	1
14455-051	Air Plug	1
14455-052	Piston Cover	1
14455-053	O-ring	2
14455-054	Air Shuttle Valve	1
14455-055	O-ring	1
14455-056	Piston Core	1
14455-057	O-ring	1
14455-058	Piston Core	1
14455-059	Pump Core Gasket	1
14455-060	Spring	1
14455-061	Cylinder Housing	1
14455-062	Steel Ball	4
14455-063	Plug	2
14455-064	O-ring	1
14455-065	Rear Cover	1
14455-067	Air Valve Assembly	1
14455-068	Steel Wire Ring	1
14455-069	Limited Ring	1
16128	Air Hose Assy	1
16006	Air Reducer 1/4in NPT	1