



AME INSTRUCTION MANUAL SERIES 2011  
**INSTRUCTION MANUAL**



**#14470**  
**20 TON**  
**AIR CART JACK**



AME INTERNATIONAL

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# INSTRUCTION MANUAL

## Specifications

### ! 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 supplied with or sold specifically for the jack.

Only lift areas of the vehicle designated by the vehicle manufacturer.

MODEL	LIFTING CAPACITY	MIN. HEIGHT	1st STAGE HEIGHT	NET WEIGHT	GROSS WEIGHT	PACKAGE SIZE	AIR PRESSURE
14470	20 TON	245 MM	475 MM	16 KG	18 KG	31 x 24 x 31 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.

### 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.



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## Operation

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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 YOUR 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.



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## 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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