



NOSE LANDING GEAR JACK 24,000 LBS.

PRODUCT INFORMATION

MODEL #: AP-XXX070-1

OPERATING INSTRUCTIONS

Part Sheet 56733

June 2022

PROPER USE

1. Center the jack ram under the aircraft nose wheel jack point.
2. When lifting on load rest be sure that load is centered and that lift is perpendicular. Lifting on a angle places excessive side strain on ram. Internal PSI capacity is 10,000 pounds.
3. Do not push load off jack.

A. TO OPERATE

1. Open release valve and pump handle several times. This will eliminate any airbound condition that may have occurred during shipment.
2. Engage the slotted end of the handle with the head of the release screw.
3. Close release valve by turning to right.
4. Insert handle in handle socket and operate the pump.

B. IF JACK WILL NOT OPERATE

1. Release valve may be open— Turn to right to close.
2. No oil in reservoir—with the ram fully retracted, place in upright position and add MIL-PRF-5606 or equivalent oil through filler plug until oil is level with bottom of filler hole. Other fluids will void warranty and may cause jack failure.
3. Intake and pressure valves may be held open by foreign matter— Use operating instructions A-1.
4. Jack will not operate on side —jack may have been placed on wrong side. The side to which the handle socket is attached must be down.
5. Too much oil in the reservoir—Too much oil is liable to cause a vacuum bound jack. The oil should be brought to the level of the fill plug.

C. IF JACK WILL RAISE TO LOAD BUT WILL NOT LIFT IT

1. Release screw may be closed tight enough to raise ram, but not closed tight enough to lift load.
2. Ram may be at extended height—Shim jack up.
3. Ram cup may have become injured or porous, allowing oil to pass it.

4. Air under ram - When there is a quantity of air under the ram, the ram will raise until it hits the load, then it will stay there until there has been sufficient number of pump strokes to compress this air to the proper pressure to lift the load. If this happens, turn jack upside down with ram extended, open release screw and close jack completely. This will cause air to return to oil reservoir.
5. Sticky valves - Empty all oil from reservoir and refill with gasoline or naphtha. Flush as recommended in operating instruction A-1. Then fill with new hydraulic jack oil.

D. IF JACK WILL NOT HOLD LOAD

1. Release valve may not be tight enough.
2. Ram cup may have become injured, allowing oil to pass it.
3. Ball valves may not be seated properly—Flush off as prescribed in operating instructions A-1. The construction of this jack makes the ball valves readily accessible for cleaning. Remove release screw. Remove valves by tipping the jack forward and catching these parts in the hand or a container, place jack on back side with label up to avoid loss of oil. After washing ball valves in kerosene, assemble in reverse order. Replace ball if flat spots or pitted surfaces are found.

MAINTENANCE

1. Service only with MIL-PRF-5606 hydraulic jack oil or equivalent. Never use a substitute for these petroleum based fluids.
2. Use every precaution to prevent entrance of dirt when refilling jack.
3. Store in upright position in a dry place.
4. When stored, the ram should be lowered completely. The pump piston should be in the lowest position and the release valve should be closed.

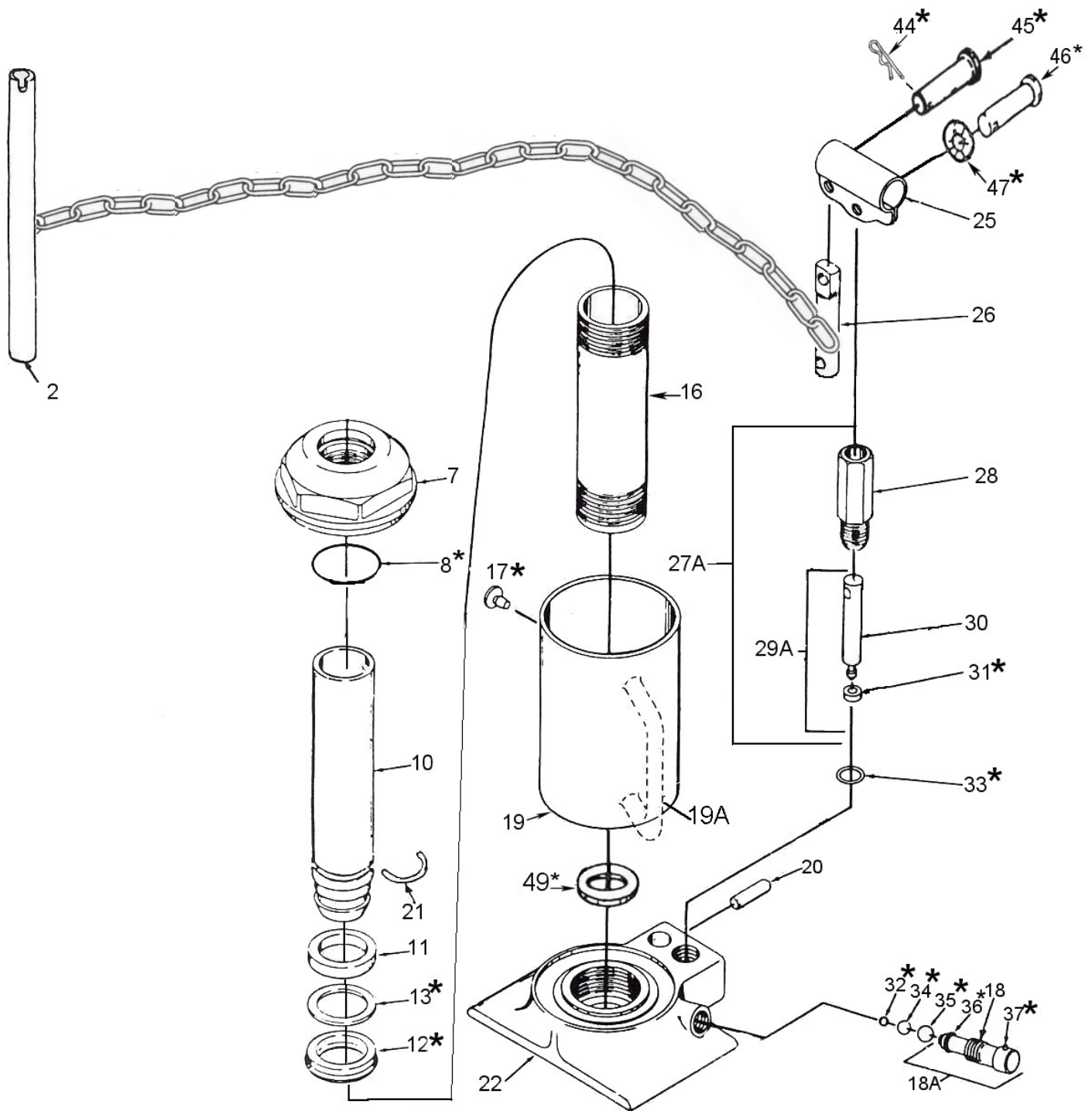
LUBRICATION

1. Oil all moving parts periodically.
2. Grease should be used on all exposed parts if jacks are constantly used under wet conditions.

CAUTION: This jack is designed for lifting a dual wheel nose gear for single wheel changes when both tires are not flat. Always follow approved data during maintenance.

June 2022

MODEL #: AP-XXX070-1



**REPAIR KIT
5-580**

100% USA Made

* Denotes Items in Repair Kit

Item No.	Part Description	<u>12 Ton</u> AP-XXX070-1
2	Handle & Chain Assembly	56734
7	Reservoir Head	2-50431
8*	"O" Ring	D-2097-1
10	Ram	56730
11	Ram Spacer	2-59828
12*	Ram Cup	2-58350-4
13*	Ram Cup Backup Washer	2-58611-4
16	Ram Cylinder	56392
17*	Filler Plug	2-54029
18	Release Screw	2-50418
18A	Release Screw Assembly	4-50514
19	Reservoir	56388
19A	Reservoir with handle	56389
20	Link Pin	D-2848-A
21	Up Stop Ring	2-59970
22	Base	2-54038
25	Handle Socket	10-11755
26	Handle Socket Link	D-2547
27A	Pump Assembly	4-50518
28	Pump Cylinder	2-50423
29A	Piston Assembly	4-54947
30	Pump Piston	2-54945
31*	Piston Cup	10-11760
32*	Valve Ball (7/32 Dia)	D-2074
33*	Piston Cylinder Washer	D-2027
34*	Valve Ball (5/16 Dia)	D-2070
35*	Valve Ball (13/32 Dia)	D-2075
36*	"O" Ring (5/16 x 7/16)	D-2099-6
37*	Release Screw Pin	2-58745
44*	Retaining Clip	2-58541
45*	Handle Socket Link Pin	10-12019
46*	Handle Socket Link Pin	CH-1028
47*	Retaining Ring	10-11758
48A	Handle Assembly	4-50340
49*	Brass Washer (repair item only)	56010
	Repair Kit	5-580

* Denotes Items in Repair Kit

WARNING

- A. NEVER REMOVE BOTH WHEELS AT THE SAME TIME AND/ OR RELY ON THIS JACK TO BE THE ONLY FAILSAFE SUPPORT. THIS JACK IS DESIGNED AND INTENDED TO BE USED AS A LIFTING DEVICE AND NOT A SUPPORTING DEVICE.**
- B. DO NOT OVERLOAD. OVERLOADING CAN CAUSE DAMAGE TO OR FAILURE OF THE JACK.**
- C. THIS JACK IS DESIGNED FOR USE ONLY ON HARD, LEVEL SURFACES CAPABLE OF SUSTAINING THE LOAD. USE ON OTHER THAN HARD, LEVEL SURFACES CAN RESULT IN JACK INSTABILITY AND POSSIBLE LOSS OF LOAD.**
- D. FAILURE TO HEED THESE WARNINGS MAY RESULT IN LOSS OF LOAD, DAMAGE TO THE JACK, AND/ OR FAILURE RESULTING IN PERSONAL INJURY OR PROPERTY DAMAGE.**

WARRANTY INFORMATION:

AP Tools LLC will warranty this hydraulic jack for a period of one year against defects in material and workmanship to the original purchaser. Proof of purchase is required for warranty claims. AP Tools LLC will only pay return economy shipping for warranty claims that are approved.

DISCLAIMER:

AP Tools LLC, its owners, contractors, and vendors do not assume any liability for the use/ misuse of this product. It is the end user's responsibility to determine the suitability, applicability, and safe conditions for use of this jack for its intended purpose. The instructions herein this manual do not supersede any aircraft manual or approved data.



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