

INSTRUCTION SHEET FOR EBJ–SERIES BOTTLE JACKS

Repair Parts Sheets for EBJ-Series Bottle Jacks are available from your nearest authorized EAGLE PRO Service Center or EAGLE PRO Sales office.



NOTE
PLEASE READ AND FOLLOW THIS INSTRUCTION BEFORE YOU USE EAGLE PRO BOTTLE JACK.

Carefully inspect all components for shipping damage, if shipping damage is found, please notify carrier at once. The carrier is responsible for any damage resulting from shipment.

01 SAFETY



To avoid personal injury or property damage, please follow all safety precautions. EAGLE PRO cannot be responsible for injury or damage resulting from unsafe and incorrect products use or system operation, or lack of maintenance.

DANGER is only used when your action or lack of action may cause serious injury or even death.

WARNING indicates a potential danger that requires correct action to avoid personal injury.

IMPORTANT indicates correct action to prevent damage or equipment failure.



DANGER

- The hydraulic equipment operator must be a qualified operator familiar with correct training and work experience of hydraulic equipment. Lack of knowledge in any of these areas can lead to equipment damage or personal injury.

- To avoid personal injury, please never modify or weld hydraulic equipment without approved by EAGLE PRO.
- Please never lift a load more than the capacity of the bottle jack, overloading causes equipment failure and possible personal injury.
- Bottle jack is a load lifting device, not a load holding device. After the load has been raised or lowered, it must always be held mechanically,
- Please never work under a load supported by hydraulic. Please keep hands and feet away from bottle jack and workplace during operation to avoid personal injury.
- Please never put poor-balanced or off-center loads on bottle jack. The incorrect load can result in equipment failure and possible personal injury.



WARNING

- Please wear safety glasses, safety helmet and other necessary personal protective equipment when operating hydraulic equipment
- Use bottle jack to lift load should have solid lifting surface for correct support. Please select steel or wood blocks that are capable of supporting the load.
- Please do not open oil filler plug when bottle jack is working.
- For hydraulic technical help or repair service. Please contact the authorized EAGLE PRO Service Center in your area. EAGLE PRO has no obligations under any warranty with respect to products that have been repaired by unauthorized personnel, modified, or damaged through misuse, abuse, accident, neglect, or mishandling.

IMPORTANT

- Please keep the bottle jack clean all the time.
- When the jack is not in use, please keep the ram and extension screw fully return
- Please use hydraulic equipment in normal temperature, do not use equipment in temperatures of 65 °C(150°F) or higher. Overheating will soften seals and weakens hose materials, resulting in oil leaking or other equipment failure.

02 PRODUCTS SPECIFICATION

EAGLE PRO Hydraulic bottle jacks meet ANSI, ASME PALD, CE and EN1494 Standards.

Model	Capacity (ton)	Min.Height (in/mm)	Max.Height (in/mm)	Head Screw (in/mm)	Net Weight (lb/kg)
EBJ-02	2	7.0/180	13.6/345	2.0/50	5.1/2.3
EBJ-03	3	7.5/191	14.3/364	2.4/60	6.2/2.8
EBJ-05	5	7.9/200	15.3/388	2.8/70	8.4/3.8
EBJ-08	8	7.9/200	15.4/392	2.8/70	12.6/5.7
EBJ-12L	12	6.9/177	13.4/340	3.0/76	14.5/6.6
EBJ-12	12	9.5/241	18.3/466	3.1/79	17.1/7.7
EBJ-20L	20	7.2/183	12.0/305	1.5/38	19.8/9
EBJ-20	20	10.7/271	16.9/429	—	26.4/12
EBJ-30	30	11.0/281	17.3/440	—	39.6/18
EBJ-50	50	9.29/236	14.0/356	—	66/30

03 OPERATION

Before use bottle jack, please visually check jack to make sure there are no damage on bottle jack, no oil leaking and shortage of parts. If you find any problem please contact with your nearest authorized EAGLE PRO Service Center or Sales office.

3.1 Bleeding Air from the jack

Air may accumulate within a bottle jack during shipment or after prolonged use; this air can cause the bottle jack to respond “weak” , Please use the steps below to bleed the air from the jack.

- Use the notched end of the provided handle to engage and open the release valve counterclockwise for no more than 1/2 full turn(see figure 1) .
- Locate and remove the oil filler plug.
- Insert the handle into the handle sleeve, fully extend and retract ram 6 to 8 times. This will help release and pressurized air which may be trapped within the reservoir.

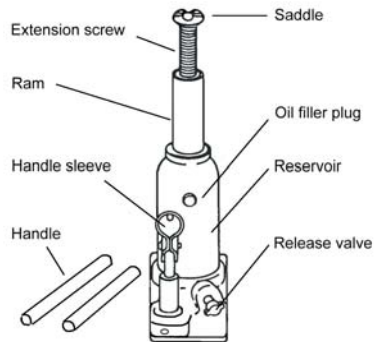


Figure 1

Note: Ensure the oil level is just below the oil filler plug hole. Reinstall the oil filler plug and close the release valve.

3.2 Lifting

- Make sure the jack position a hard level surface,
- Close the release valve (see figure 1) by turning it clockwise with the provided handle until it is firmly closed. DO NOT OVER TIGHTEN.
- Insert and secure handle into the handle sleeve, operate the handle until saddle contacts load.
- Raise load to the desired height, then immediately transfer the load to an appropriately rated support devices such as jack stands.
- Turn release valve SLOWLY counter clockwise to lower load onto jack stands.

3.3 Lowering

- Raise load enough to carefully remove jack stands.
- Insert handle onto release valve and slowly turn handle counterclockwise, but no more than 1/2 turn.
- If load fails to lower, carefully transfer the load to another lifting device and jack stands, then do the above two steps.
- After removing jack from under the load, push ram and handle sleeve down to reduce exposure to rust and contamination.

04 MAINTENANCE

Monthly maintenance is recommended. Lubrication is important to jack as they support heavy loads. Any restriction due to dirt, rust, etc, can cause either slow movement or extremely rapid jerks, damaging the internal components. The following steps designed to keep the jack well lubricated.

- Lubricate the ram, linkages, saddle and pump mechanism with light oil.
- Visually inspect for cracked welds, bent, loose, missing parts or hydraulic leaks.
- Always keep bottle jack clean and maintain all labels and warnings
- Check and maintain the ram oil level. Check ram every 3 months for any sign of rust or corrosion. Clean as needed and wipe with an oil cloth.
- Please always use clean EAGLE PRO oil or other approved hydraulic oil with these jacks. Use other unapproved oil or dirty oil will damage the bottle jacks.
- After finish work, bottle jack must be fully retracted, cleaned and stored in ventilation, moist-proof, corrosion-proof place.

05 ADDING/CHANGING OIL

With saddle fully lowered and pump piston fully depressed, set jack in its upright, level position. Remove oil filler plug. Fill until oil is level with the filler plug hole, reinstall oil filler plug.

For best performance and longest life, replace the complete fluid supply at least once per year.

- With saddle fully lowered and pump piston fully depressed, remove the oil filler plug.
- Lay the jack on its side and drain the fluid into a suitable container.
- Fill with good quality jack oil. Reinstall oil filler plug.

06 LUBRICATION

Occasionally lubricate the handle socket pivot point, extension screw and release screw thread to prevent corrosion.

07 TROUBLE SHOOTING

WARNING: EAGLE PRO bottle jack should be repaired only by a qualified operator or Authorized EAGLE PRO Service Centers. Repair bottle jack without special tools and knowledge may result in personal injury. Release pressure before making repair.

Problem	Cause	Solution
Jack will not lift	<ol style="list-style-type: none">1. Release valve not tightly closed2. Overload condition	<ol style="list-style-type: none">1. Ensure release valve tightly closed2. Remedy overload condition
Jack can not maintain pressure	<ol style="list-style-type: none">1. Release valve not tightly closed2. Overload condition3. Hydraulic unit malfunction	<ol style="list-style-type: none">1. Ensure release valve tightly closed2. Remedy overall condition3. Contact service center
Jack can not lower after unloading	<ol style="list-style-type: none">1. Reservoir overfilled2. Linkages binding	<ol style="list-style-type: none">1. Drain fluid to proper level2. Clean and lubricate moving parts
Poor lift performance	<ol style="list-style-type: none">1. Low fluid level2. Air trapped in system	<ol style="list-style-type: none">1. Ensure proper fluid level2. With ram fully retracted, remove oil filler plug to let pressurized air escape, then reinstall oil filler plug
Jack can not lift to full extension	<ol style="list-style-type: none">1. Low fluid level	<ol style="list-style-type: none">1. Ensure proper fluid level