

INSTRUCTION SHEET FOR ETJ-102, ETJ-105, ETJ-110 TOE JACKS

Repair Parts Sheets for ETJ-Series Toe Jacks are available from you nearest authorized EAGLE PRO Service Center or EAGLE PRO Sales office.

NOTE:
PLEASE READ AND FOLLOW THIS INSTRUCTION BEFORE YOU USE EAGLE PRO HYDRAULIC TOE 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 do not modify or weld hydraulic equipment without approved by EAGLE PRO.
- Please never lift a load more than the capacity of the jack, overloading causes equipment failure and possible personal injury.
- 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 jack and workplace during operation to avoid personal injury.
- Please do not put poor-balanced or off-center loads on jack. The incorrect load can result in equipment failure and possible personal injury.



WARNING

- Please wear safety glasses, helmet and other necessary personal protective equipment when operating hydraulic equipment.
- Do not add additional load to a lifted load.
- Use jacks to lift loads should have solid lifting surface for correct support. Please select steel or wood blocks that are capable of supporting the load. Do not use in unstable or hazardous positions.
- The load must be stable during lifting.
- Do not lift at the end of the toe; fully engage the load with the toe.
- Never use the side of jack's head to lift weight.
- Never screw the adjustable screw.
- Use only EAGLE PRO or other approved hydraulic oil.
- To seek hydraulic technical helps or repair service. Please contact the authorized EAGLE PRO Service Center in your area. EAGLE PRO is not responsible for any injury and property damage. If you repair your equipment in other hydraulic service centers which dose not authorized by EAGLE PRO Company.

IMPORTANT

- Please keep the jack clean all the time.
- Do not carry the jack by the handle (jacking lever), use carry handle or other safety way. When the jack is not in use, please keep the ram fully return, and storing in dry and clean place.
- Please use hydraulic equipment in -20C°to +50 C°, overheating or over cooling will weaken seal materials, resulting in oil leaking or other equipment failure.
- This instruction can not cover all situations, please follow each step of it cautiously.

02 SPECIFICATION

Model	Capacity(ton)		Min.Height(in)		Max.Height(in)		Toe Size (in)	Base size(in)	Weight (lbs)
	Toe	Head	Toe	Head	Toe	Head			
ETJ-102	2	3	0.63	9.37	5.06	13.74	1.97×1.97	5.00×7.01	17.6
ETJ-105	5	6	0.87	11.75	5.57	16.12	2.24×2.99	10.63×7.24	52.8
ETJ-110	10	14	1.12	13.13	6.81	18.13	2.36×4.02	11.26×9.53	83.6

03 OPERATION

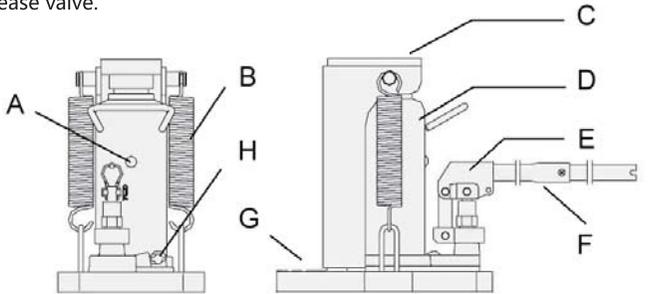
Before use toe jack, please visually check jack to make sure there are no damage on toe jack, no oil leaking and shortage of parts. If you find any problem please contact with your nearest authorized EAGLE PRO Service Center or Sales office.

3.1 Bleeding Air from the jack

Air may accumulate within a toe jack during shipment or after prolonged use; this air can cause the 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.

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



A.Oil Filler Plug B. Spring C. Head D. Reservoir
E. Handle Sleeve F Handle G. Toe H. Release stem

3.2 Lifting

- Insert the handle into the handle sleeve before using jack.
- Position the load on the toe of the jack.

IMPORTANT: Never use the side of jack's head to lift load. Never use the front end of the toe to lift the load.

- Turn the release valve knob in a clockwise direction until it will turn no more.
- Operate the handle up and down to product pressure to lift the load.

3.3 Lowering

- Insert the end of the handle into the release stem.
- Slowly open the release stem by turning it in anti-clockwise direction to lower the load,

IMPORTANT: The more the release stem is loosened, the faster the load will be lowered. To stop the jack instantly from lowering a load, tighten the release valve knob by turning it in a clockwise direction. Never turn the release stem around more than two complete revolutions.

04 MAINTAINING

- Lubricate the pins with a few drops of machine tool oil monthly.
- Lubricate the slide with grease monthly.

05 ADDING/CHANGING OIL

- Retract the ram completely.
- Remove the filler plug.
- Fill the reservoir with hydraulic jack oil to the bottom edge of the fill hole with the jack in the upright position.
- Bleeding air from the jack.

06 TROUBLE SHOOTING



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

Problem	Cause	Solution
Toe will not extend	<ul style="list-style-type: none">• Release stem is open• Dirt or crack in valve sealing section	<ul style="list-style-type: none">• Close release stem completely• Clean and repair or replace
Jack will not lift to full height	The oil level in reservoir is too low	Fill reservoir with correct amount of hydraulic jack oil
Toe extends but falls immediately	Air in the system	Bleeding Air from the jack
Handle pops up	Delivery valve seal is damaged	Replace delivery valve seal
External oil leak	Damage to top or bottom of reservoir, release stem, or pump	Repair or replacement