

THE
BARRETO
MODELS 1324 & 1624 & 1824
HYDRAULIC TRENCHERS

CONGRATULATIONS!

You are now the proud owner of a BARRETO trencher. Please take a moment of your time to look over the following information. Familiarize yourself with the trencher, its characteristics, and method of operation. Pay particular attention to the safety and operating instructions.

If you have any questions or need any replacement parts in the future, please contact us at your convenience. Our toll-free phone number, fax and email are listed below.

THANK YOU for your patronage and confidence in BARRETO equipment.

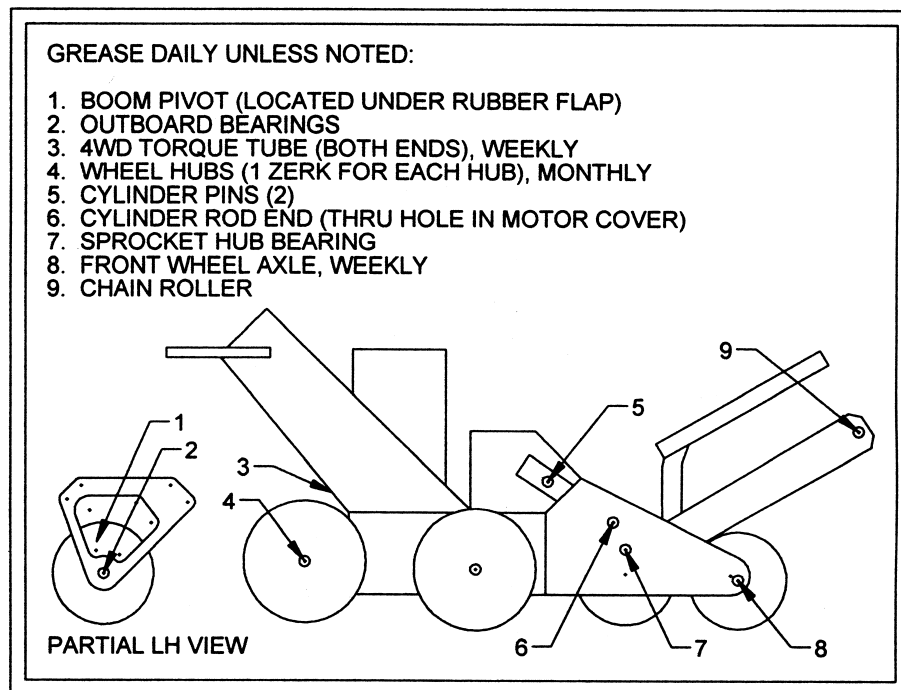
Barreto Manufacturing, Inc.
Innovative Equipment Engineered to Last
66498 Hwy 203, La Grande, OR 97850
(800) 525-7348 (541) 963-7348
FAX (541) 963-6755
E-Mail: info@barretomfg.com
Web Site: <http://www.barretomfg.com>

ASSEMBLY INSTRUCTIONS

1. Remove trencher from shipping crate.
2. Install boom onto boom pivot/mount with the 7/8" wide wear strip on bottom side of boom. Push boom on as far as it will go. Be sure adjuster screw is backed out.

SERVICE INFORMATION

1. Check reservoir level using sight glass on the left side of the tank. If required, add to reservoir with tractor transmission hydraulic oil. (Shell DONAX TD FLUID or comparable). The tank holds approximately 15 gallons of hydraulic oil. Recheck oil level after the trencher has been run and oil has been circulated through the wheel and chain motors. Routinely check level thereafter. **DO NOT OVERFILL THE TANK.**
2. Change hydraulic oil filter after the first 50 hours of use. Change it every 200 hours thereafter.
3. Add 1 quart of hydraulic oil to reservoir with each filter change.
4. Check all hydraulic fittings for leaks and tighten if necessary.
5. Grease per the following chart:

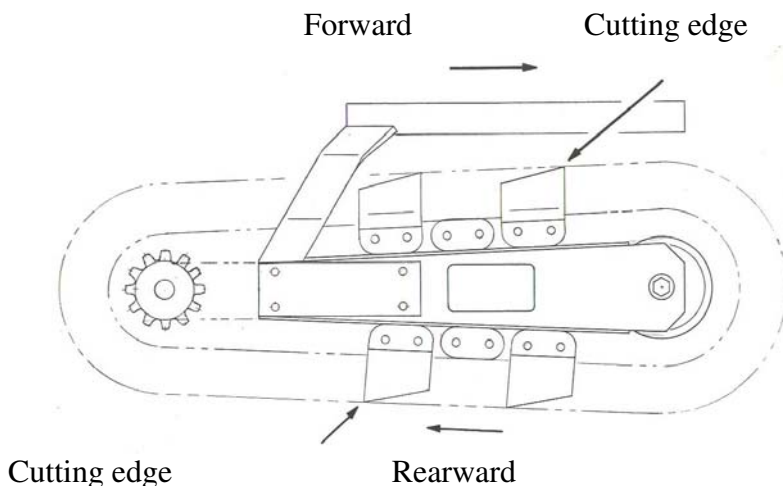


IMPORTANT: The engine is normally serviced prior to shipping. However, shipping regulations may prohibit this. Check levels and add oil and fuel as required before starting. Service according to the engine manual before starting.

WARNING: Running the tiller without hydraulic oil will cause serious damage to the hydraulic pump. **CHECK RESERVOIR LEVEL BEFORE STARTING THE MACHINE.**

DIGGING CHAIN INSTALLATION

1. Slide digging chain under sprocket, with teeth in the correct cutting direction. Properly installed, the cutting edges of the chain will face forward on the top of the boom and rearward on the bottom of the boom (see diagram below).
2. Start engine. Push digging boom control lever forward to lower boom onto the chain. Shut off engine.
3. Wrap chain around boom and sprocket. Install chain master link or link pin.
4. Use boom adjuster screw to tighten chain. Chain should have enough slack to allow approximately 2" of space between middle of boom and chain when boom and chain are straight out in a horizontal position.
5. Tighten adjuster screw locknut and 4 boom mounting bolts.



BARRETO TRENCHER OPERATING INSTRUCTIONS

READ SAFETY INSTRUCTIONS BEFORE OPERATING!

Be sure that the engine oil, fuel and hydraulic oil are at proper levels before starting the engine.

STUDY AND UNDERSTAND CONTROLS BEFORE BEGINNING OPERATION.

1. **IGNITION:** Must be in “ON” position to start. “OFF” to stop.
2. **ENGINE:** This is the throttle. It controls engine speed. Operate at full throttle (all the way forward).
3. **CLUTCH LEVER:** (At left handle grip). Activates **GROUND SPEED** and **DIGGING CHAIN** controls when pulled up. Stops all motion when released. **DIGGING CHAIN** control must be **HELD** in “ON” position as clutch lever is depressed in order to start chain in motion.
4. **AXLE:** “UNLOCK” position (down) is for maneuvering. “LOCK” position (up) is for digging. UNLOCK allows left wheel to freewheel while right wheel drives.
5. **DIGGING BOOM:** Raises and lowers the digging boom.
6. **DIGGING CHAIN:** Starts chain in forward rotation after clutch lever is engaged.
7. **CHAIN:** Allows manual operation of chain in forward or reverse rotation to dislodge objects or dig difficult terrain. (This control can be used with the Clutch Lever released.) To reverse chain, **DIGGING CHAIN** control must be in “OFF” position.
8. **GROUND SPEED:** Controls wheel speed forward or reverse after clutch lever is engaged.
9. **GETTING STARTED:** Start and warm up engine. Drive trencher to starting location with **AXLE** in “UNLOCK” position.
LOCK AXLE. Hold **DIGGING CHAIN** control in “ON” position. With **GROUND SPEED** control in neutral, pull up **CLUTCH LEVER** and slowly lower **DIGGING BOOM** to desired depth. Slowly move **GROUND SPEED** control in **REVERSE** direction until desired speed is reached. (Varying soil conditions may require adjustments to ground speed to avoid wheel spin or engine overload.)
10. **FOR HARD TO DIG AREAS** or if object (rock or root) gets lodged in chain, release **CLUTCH LEVER**. This will lock wheels in position. Manually reverse chain with the **CHAIN** control to dislodge object. Manually run chain forward with **CHAIN** control to dig through roots or rocky areas. Intermittently activate **CLUTCH LEVER** to move trencher back a few inches and repeat until hard area is passed. Resume normal operation.

ALWAYS THOROUGHLY CLEAN AND SERVICE TRENCHER AFTER EACH USE.

BARRETO HYDRAULIC TRENCHER

SAFETY INSTRUCTIONS

- **READ SAFETY AND OPERATING INSTRUCTIONS BEFORE OPERATING!**
- Do not leave trencher unattended with the engine running.
- No parking brake. Always leave trencher parked on a level surface.
- The **SAFETY CLUTCH** lever on the left handlebar is for operator protection. **DO NOT TAPE DOWN OR OTHERWISE BY-PASS THIS CLUTCH.**
- Objects may become airborne while operating trencher. Wear safety goggles and hard hat while operating or observing!
- Digging chain, auger and other moving parts can cut off arms, legs, or fingers. **STAY CLEAR!**
- Buried cables or gas lines can cause serious injury or death. Contact local agencies for location.
- Exhaust and fuel fumes can cause illness or death. Operate outdoors and avoid breathing exhaust and fumes.
- Fuel fumes can catch fire or explode. Do not smoke or operate near flames or sparks.
- Hydraulic oil is under extreme pressure and can get under skin and burn or poison. Check for leaks with cardboard.
- Muffler and engine get hot enough to cause serious burns. Do not touch until cool.