

Piranha Ironworker Maintenance

NOTE: Selector switch should be in the OFF position while maintenance checks are being performed REF (page 20, figure B, of manual).

Hydraulic Filter Element – Replace Quarterly

The hydraulic oil filter is a vital component of the hydraulic system as it filters impurities and foreign particles to avoid hydraulic component malfunctions. CAUTION: When the filter element is plugged, hydraulic fluid will bypass the element allowing contamination to enter the hydraulic system. It is recommended that the filter element be changed every 3 months, depending on work load and environmental conditions. One extra element is furnished with the basic unit. This element should be installed after the first 40 hours of use. The filter housing is mounted inside the access door on the machine. See repair parts list for reordering instructions and the part number. REF (page RP18 of manual)

Fasteners and Connections – Check Tightness Weekly

The efficiency and accuracy of the Piranha is dependent upon proper alignment of all parts. Alignment can only be achieved by keeping the fasteners tight. Check all bolts and nuts for tightness every 40 hours of operation or when lubricating the machine. Unless specified in parts illustrations, torque socket head bolts and hinge pin jam nuts to the specifications in the table on page 16 of manual.

Check all hydraulic hose and fitting connections for tightness when lubricating the machine. Use of Loctite hydraulic sealant or equivalent is recommended on all connectors.

Check to insure the hydraulic cylinder clevis is screwed tight on the piston rod each time machine is lubricated.

Hydraulic Oil Level – Check Weekly

The Piranha is equipped with a dipstick indicator on the fill cap located inside the access door. The dipstick is marked to help maintain proper fluid level. This should be checked as part of your normal maintenance cycle.

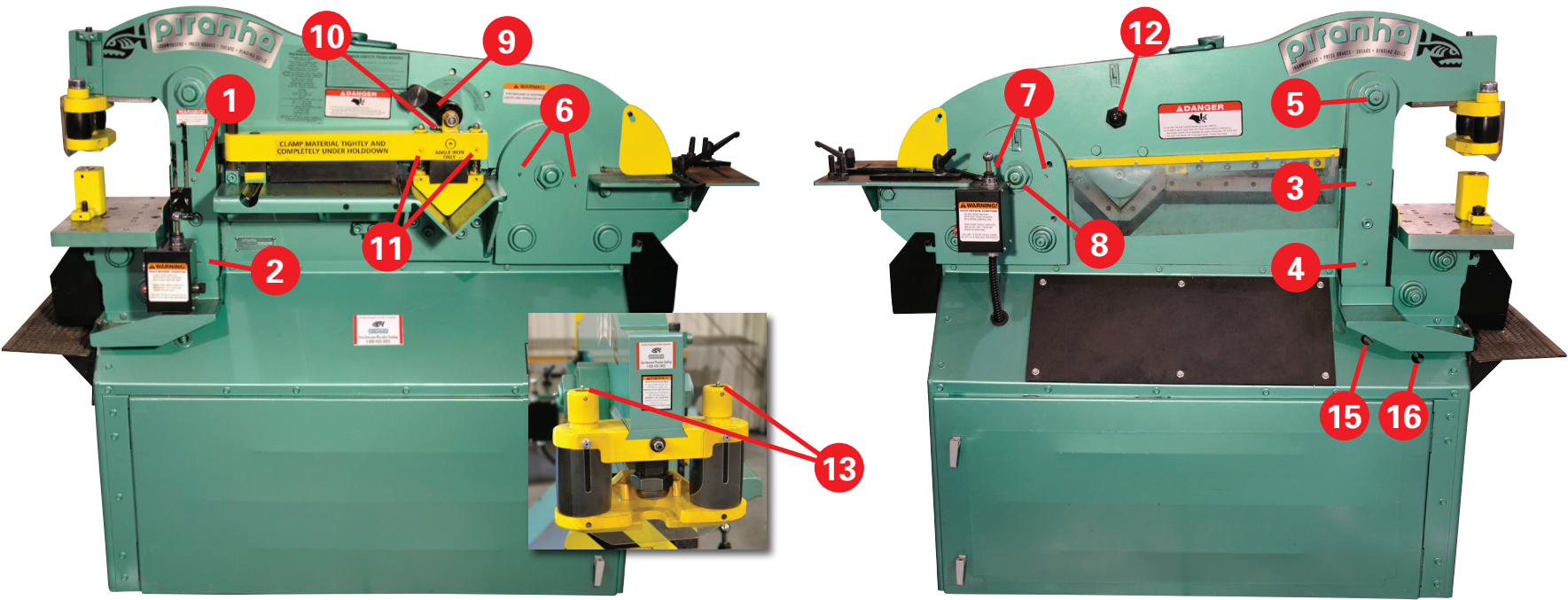
NOTE: It is recommended to implement a weekly maintenance program to inspect and lubricate your Piranha. A service record chart is provided in the manual on page RP22.



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Lubrication

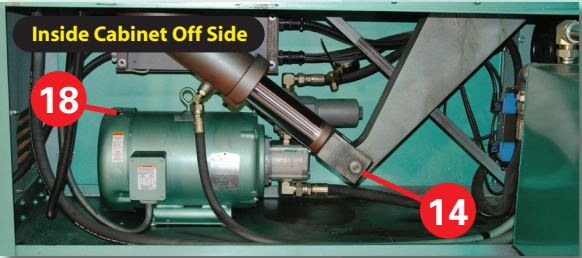
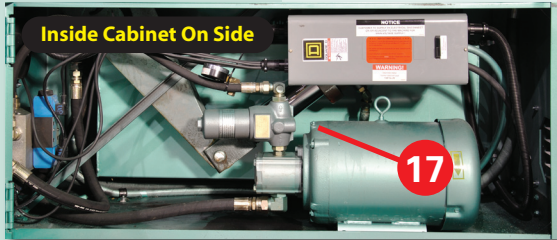
The importance of correct lubrication cannot be over-emphasized. Under no circumstances should the machine be operated without complying with these lubrication requirements.



P50 Shown. Stripper Assembly (Station 13) shown on P70.

Lubrication Chart

Station	Part Lubricated	Frequency	Instructions	Type Lube
1	Upper Pull Arm On Side	Every 40 Hours Or Weekly With Normal Use	Apply Grease Gun Until Grease Appears Around Edge Of Parts	Mobile MP Or Any Multi-Purpose Grease
2	Lower Pull Arm On Side			
3	Upper Pull Arm Off Side			
4	Lower Pull Arm Off Side			
5	Upper Pull Arm Hinge Pin			
6	Coper Side Plate On Side (2 Places)			
7	Coper Side Plate Off Side (2 Places)			
8	Rear Hinge Pin			
9	Angle Knife Bushing			
10	Hold Down Link			
11	Hold Down Bar (2 Places)			
12	Hold Down Pin			
13	Stripper Assembly (2 Places)*			
14	Clevis Pin**			
15	Lower Pull Arm Hinge Pin**			
16	Crank Arm Hinge Pin**			
17	Drive Motor**	One Shot Per Year	One Shot From Grease Gun	Multi-Purpose Grease
18	Drive Motor**			



*Not applicable to all stripper assemblies **Located inside cabinet