

SECTION 4. INSTALLATION INSTRUCTIONS

Equipment and Supplies Required:

1. Equipment to lift the Advance Lift dumper into its location. Nylon slings are best.
2. No hosing or piping is required for the self-contained power unit.
3. Material for shimming, grouting and anchor bolts. We recommend Rawl Power-Stud, Wedge Anchors, Wej-It or the equivalent bolts in the 1" x 9" size. The studs must be embedded at least 4-1/2" into the concrete.
4. Standard hand tools.
5. A heavy pry bar for shifting the equipment and a drill for installing the lag down studs.

Installation Procedure:

1. Read the Installation, Operating and Maintenance instructions completely before starting the installation. You may find it helpful to read the remaining sections of the manual for a better understanding of how the equipment works.
2. Move the unit to its work area, insuring that the floor is clean and level. You may now break the banding shipping restraints. If slings are used, encircle the entire unit (not just the carriage).
3. This unit is pre-wired at the factory but must still be checked for proper motor rotation when it is plugged in because this is strictly a function of your building's wiring. Follow the electrical diagrams in the electrical section of this manual to insure that you have the correct motor rotation! Continued operation of a hydraulic pump in the wrong rotation will destroy it! You can find the right rotation by making short motor jogs and watching the clear suction line from the reservoir to the pump (see drawing on page P8-7). If the rotation is correct, the fluid will leap up the line to the pump. If the rotation is wrong, there will be no fluid in the suction line. You may change the rotation of a 3-phase motor by simply exchanging the positions of any two of the three power lead connections. **Caution** – continued operation of a reversed direction hydraulic pump for about 30 seconds can burn up the pump, so use short jogs.
4. Raise the unit halfway (never fully raise the Dumper until it is lagged down) several times. Then fully lower it, holding the down switch an extra 10 seconds each time when the unit is fully lowered to remove the air from the cylinders. Check the reservoir oil level with equipment fully lowered and the drain hole plug removed from the reservoir. Top off until fluid flows out of the fill line hole (see drawing on page P8-7). Note that oil should completely fill the clear suction line hose at all times.
5. Once the dumper is properly positioned, you may begin the to lag down the unit.

SECTION 4. INSTALLATION INSTRUCTIONS (CONTINUED)

6. Drill the lag down holes and using 1" x 9" long Rawl Power-Studs, Wedge anchors, Wej-It or the equivalent, set the lag bolts. The studs must be embedded at least 4-1/2" in the concrete. Check that the unit is level, if not, shim and grout under the base frame for continuous support. A slight side to side slope will cause early wear on all the moving parts of the Dumper. Tighten the lag bolts.
7. Clean up any debris or spilled fluid, as this may give a false sign of trouble or cylinder leak.
8. Operate the equipment through a few more complete cycles, holding the down control an extra 20 seconds after the dumper is fully lowered to bleed any remaining air from the cylinders. Check the reservoir fluid level with the unit fully lowered by removing the drain plug and allowing a small flow of oil to come out this hole. Then re-plug the hole.
9. Raise the unit one more time and inspect the area for any fluid spills. Be sure to clean all fluid.
10. Meet with the facility manager or maintenance foreman and turn over this manual with the reminder that no one should be allowed to operate the unit unless they are familiar with all the operating instructions. Point out the metal nametag on the unit with the serial number and capacity ratings. We recommend that a specific person be assigned the responsibility for maintaining this equipment.
11. Instruct the user(s) in the unit's proper operation, safety precautions and equipment capacity.