

INSTALLATION OF PROSPEAR HYDRAULICS

1. Mount the hydraulic power pack inside the passenger side underbody toolbox using the two predrilled holes. Secure using two 3/8x1" hex head cap screws and two 3/8" lock washers.
2. Position the power pack with the oil reservoir toward the truck cab.
3. Install one of the short 90-degree hydraulic adapters into the valve port marked "Up". Orientation of this adapter should be toward the access hole on the back panel of the toolbox.
4. Install one long 90-degree hydraulic adapter into to valve port marked "Down". Orientation of this adapter also should be toward the access hole on the back panel of the toolbox.
5. Install rectangular grommet into access hole on rear panel of the underbody toolbox.
6. The hose connected to the rod end port on the cylinder is to be attached to the short 90-degree adapter (marked "Up") previously installed on the valve body.
7. The hose connected to the base end port on the cylinder is to be attached to the long 90-degree adapter (marked "Down") previously installed on the valve body.
8. Check that all fittings are tight to avoid leaks upon initial start up.
9. Fill oil reservoir using 5 weight hydraulic oil to 1" from the top of the reservoir.

INSTALLATION OF SWITCH MODULE HARNESS

1. Create a hole, preferably in an existing "pass through hole", at the back of the cab or in the floor. When drilling through to floor of the cab make certain to avoid any wire harness in or outside the cab.
2. Starting in the cab, route the wire harness back to the passenger side toolbox.
3. Tie up the harness to the frame of the truck.
4. The black wire will connect to the top post of the solenoid along with the positive cable from the truck battery.
5. The white wire will connect to the center (smaller) post on the solenoid.
6. The green wire will connect to the post on the coil.
7. Connect the ground cable to the 3/8" tapped hole on the power pack.
8. Connect the other end of the ground cable to the truck frame using a preexisting hole or creating a new 3/8" hole.

INITIAL START UP PROCEDURE

1. Lower rear lifting mechanism to the end of its travel and raise it back up to perpendicular. Repeat this step several times.
2. Inspect hoses and adapters for leaks.
3. Refill oil reservoir to within 1" of the top.

PROSPEAR OPERATING INSTRUCTIONS

1. Make certain that the upper surface of the unit is clear.
2. Utilizing the hand-held pendant in the cab of the truck, lower lifting spears to the bottom of their travel by activating the "Unload" function on the switch pendant.
3. Back into the flat side of the bale, piercing the surface until the rear lifting mechanism makes contact with the bale.
4. To raise the bale activate the "Load" function on the switch pendant until bale is resting solidly on the flat surface of the ProSpear.
5. To unload bale, reverse the previous steps 1 through 4.

CAUTION: BEFORE RETURNING SPEARS TO THE PERPINDICULAR POSITION, MAKE CERTAIN THAT THERE ARE NO BYSTANDERS NEAR THE PROSPEAR, ESPECIALLY IN THE AREA WHERE THE REAR LIFTING MECHANISM WILL COME TO REST.