## Parts & Installation Instructions

**E-58H Electro-Lift®**

with **Electro-Touch** and **2" x 12" P.A. Rams**

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### Parts List

<table>
<thead>
<tr>
<th>Item</th>
<th>12 Volt Part No.</th>
<th>24 Volt Part No.</th>
<th>Qty</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>15994</td>
<td>15605</td>
<td>1</td>
<td>Lift and P.A. Ass'y. (Complete)</td>
</tr>
<tr>
<td>1</td>
<td>15995</td>
<td>15613</td>
<td>1</td>
<td>• Lift Ass'y. (Unit only)</td>
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<tr>
<td>2</td>
<td>15630</td>
<td>15630</td>
<td>1</td>
<td>• E-58H Lift Unit Cover</td>
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<tr>
<td>3</td>
<td>15631</td>
<td>15631</td>
<td>1</td>
<td>• Cover Strap</td>
</tr>
<tr>
<td>4</td>
<td>15370</td>
<td>15446</td>
<td>1</td>
<td>• Starter Solenoid - 12 volt</td>
</tr>
<tr>
<td>5</td>
<td>07621</td>
<td>07621</td>
<td>2</td>
<td>• Ram L.H. &amp; R.H. with Hose &amp; Fittings</td>
</tr>
<tr>
<td>6</td>
<td>22462</td>
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<td>1</td>
<td>• Hose Ass'y. SAE 1/4 x 44&quot; Lg. M-6 Faceseal</td>
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<tr>
<td>7</td>
<td>22460</td>
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<td>1</td>
<td>• SAE 6 x 90 Degree Elbow</td>
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<tr>
<td>8</td>
<td>22691</td>
<td>22691</td>
<td>1</td>
<td>• Universal Truck Side Harness</td>
</tr>
<tr>
<td>9</td>
<td>22692</td>
<td>22692</td>
<td>1</td>
<td>• Plow Side Harness</td>
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<tr>
<td>10</td>
<td>05024</td>
<td>05024</td>
<td>1</td>
<td>• Power Cable - 36&quot;</td>
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<td>11</td>
<td>08473</td>
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<td>1</td>
<td>• Relief Valve Kit - Reservoir</td>
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<td>• Tap Connector</td>
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<td>• Pistol Grip Controller</td>
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<td>2</td>
<td>• S. Tapping Screw 1/4 - 14 x 3/4&quot;</td>
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<td>• Bushing - Split</td>
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<td>• Decal - Danger (Mount on Dashboard)</td>
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<td>• Hardware Bag (P.A. Rams)</td>
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<td>• Bolt H 5/8 - 11 x 3 1/4&quot; Gr. 5</td>
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<td>2</td>
<td>• Bolt H 5/8 - 11 x 4 1/2&quot; Gr. 5</td>
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<td>4</td>
<td>• Locknut 5/8 - 11</td>
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<td>*<em>Complete Coupler Kit <em>Optional</em></em></td>
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<tr>
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<td>• Male P.A. Block Coupler</td>
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<td>1</td>
<td>• Female Hose Coupler</td>
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<tr>
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<td>22445</td>
<td>22445</td>
<td>1</td>
<td>• Male Hose Coupler</td>
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</tbody>
</table>

Parts indented are included in the carton, bag or assembly under which they are indented.

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Meyer Products LLC reserves the right, under its continuing product improvement program, to change construction or design details, specifications and prices without notice or without incurring any obligation.
**INSTALLATION INSTRUCTIONS:**

A. Remove shipping plug from filler hole and install Relief Valve Kit (11). Tighten to 100-125 in. lbs.

B. Attach Plow Side Harness (9) power cables to the Hydraulic Lift Unit (1). Attach the red (+) cable to the motor stud marked (A2). Attach the black (-) cable to the motor stud marked (D1). Connect the red, black and green wires from Plow Side Harness (9) and connect to solenoids on the Power Angling Block. See Figure 2.

**GENERAL INFORMATION:**

**CAUTION:** Always disconnect battery prior to installation.

Check contents against the parts list to determine all are correct and included. When ordering parts, furnish Part No., Name and Description, Type of Hydraulic Unit and Moldboard Size.

SAFETY PRECAUTIONS should be used when Electro-Lift® is in OPERATION and plow is in a RAISED position. LOWER plow to ground when vehicle is PARKED.

OVERHAUL and SERVICE INFORMATION is covered on separate instructions.

For Electro-Lift® Unit maintenance, refer to "Owner's Manual."

**NOTES:**

1. Connect ground cable to negative side of battery for a solid connection to ground.
2. Caution: Route all cables away from moving engine parts, Manifolds, and sharp sheet metal.
3. For weather protection, tape all electrical connections at front of vehicle.
4. The vehicle must be equipped with a "Heavy Duty Battery" (70 Amp. Hr. Min.) 550 C.C.A. and "Alternator" (60 amp. Min.) to obtain maximum performance.
5. Follow these instructions explicitly. Warranty does not apply to a Meyer product which has been negligently or improperly assembled or installed.

**FIGURE 2**

- "A" Red Wire (Raise)
- "B" Green Wire (Right Angle)
- "C" Black Wire (Lower/Float)
- P.S. Ram (Left Angle)
- D.S. Ram (Right Angle)
- Drop Adjustment
- To Motor Stud Positive - A2
- Ground Connection Motor Stud 'D1'
- To Passenger Side Plow Light
- Rear View

**FIGURE 1**

- Red Wire (Raise)
- Black Ground Wire
- "B" Harness Power/Ground Park & Turn
- "C" Harness To Plow Light
- Orange to "B" harness of light modules
- "A" Light Adapter
- "B" Harness Power/Ground Park & Turn

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C. Install E-58H Lift Assembly (1) to Lift Frame (using bolts supplied in the mounting carton), with the Electric Motor toward the right hand side (Passenger side); attach the lift ram to the Lift Arm. When installing on E-Z Mount Classic, reference SB 208.

**WARNING:**
Lift arm extends beyond bumper of vehicle. To minimize damage from a front-end collision, lift arm should be removed from vehicle when snow plow is not in use.

D. Install Universal Truck Side Harness (8) through the vehicle grill.

H. Use Bushing (13) where Harness (8) is routed through firewall and radiator support panel. Requires 7/8" diameter hole. Be certain to route all wiring around hot or moving engine parts, and any sharp sheet metal. Protection must be provided to guard against wire damage at these points. All excess or loose wire must be neatly secured using wire ties. Fused lead from Wiring Harness (8) must be attached to terminal in fuse panel that is activated only when the ignition key is “on.”

I. Install Starter Solenoid (4) to metal surface in engine compartment using Screws (12). (Solenoid must be grounded to operate). Attach Red Power Cable (8) to a large terminal on Starter Solenoid (2). Attach Black Ground Cable (8) to negative (-) terminal of battery. Attach 36” Power Cable (10) to positive (+) terminal of battery and remaining large terminal on Starter Solenoid (2). Attach small white wire from harness (8) to small terminal marked (S) and small black wire from harness to small terminal marked (I)(Ground) on Starter Solenoid (8).

M. Attach orange wire from harness (8) to the orange wires from each light module. This will eliminate the need for an additional switch in the cab to operate the snow plow lights. When the Pistol Grip Controller (14) is turned on the plow lights will be activated and when the controller (8) is turned off the plow lights will be deactivated.

N. Attach Bluie wire to a vehicle reverse signal (back up light). The blue wire is sensing when the vehicle is in reverse in order to operate HFP (Hands Free Plowing).

Note: All electrical connections should have both ends coated with a dielectric grease prior to final installation. This will ensure a good connection and help in preventing corrosion.

**POWER ANGLING CYLINDERS:**

Attach Meyer Power Angling Cylinders (5) to Sector and A-Frame using bolts (15) and locknuts (16).

Note: 5/8-11 x 4-1/2” Bolts (15) must be used to connect the angle cylinder to the LP & DP Pivot Bar.

Make certain Ram (5) on Driver’s side connects to the Drivers side port on the P.A. Block (SEE FIGURE 1).

**Optional Couplers Note:** When installing plow system to a E-Z Mount Classic or Custom Mountings optional coupler kit 08206 must be purchased separately. These couplers will install between the PA. Block and the hoses. When the Moldboard Assembly is removed from the vehicle, to prevent contamination to the Couplers and Hydraulic system, the L.H. and R.H. Power Angling Hoses must be reattached by plugging the couplers together.

Power Angling Cylinders furnished with the Electro-Lift® have been factory filled with the proper amount of fluid. If for any reason it is necessary to add fluid to Reservoir or to bleed the Power Angling Cylinders, proceed as follows:

A. Remove Relief Valve (11) from Reservoir to add fluid during charging and bleeding.

B. Temporarily loosen both hose connections at the R.H., L.H. Power Angling Cylinders. Base end of Cylinder must be higher than Rod end to enable trapped air to escape.

C. Angle the Plow in both directions until fluid leaks out at both points in a steady flow.

D. Retighten the hose connections.

**NOTE:**
Proper fluid level is 1-1/2” below filler hole. It must be checked with the lift arm fully retracted (down).

**For snow plow light installation see separate instructions.**

Reference Form 1-757 see Paragraph 7

Route Cables “C” (Yellow) from module to Male Plug (8). Connect both “C” Harness female ends to the male corresponding ends of the Male Plug (8). As per Figure 1.

Connect both male ends from the snow plow light to the female ends on the Female Socket (9). As per Figure 2.

Check snow plow light blinkers to make sure the wires have not been reversed.

Meyer Products LLC assumes no responsibility for installations not made in accordance with these instructions.