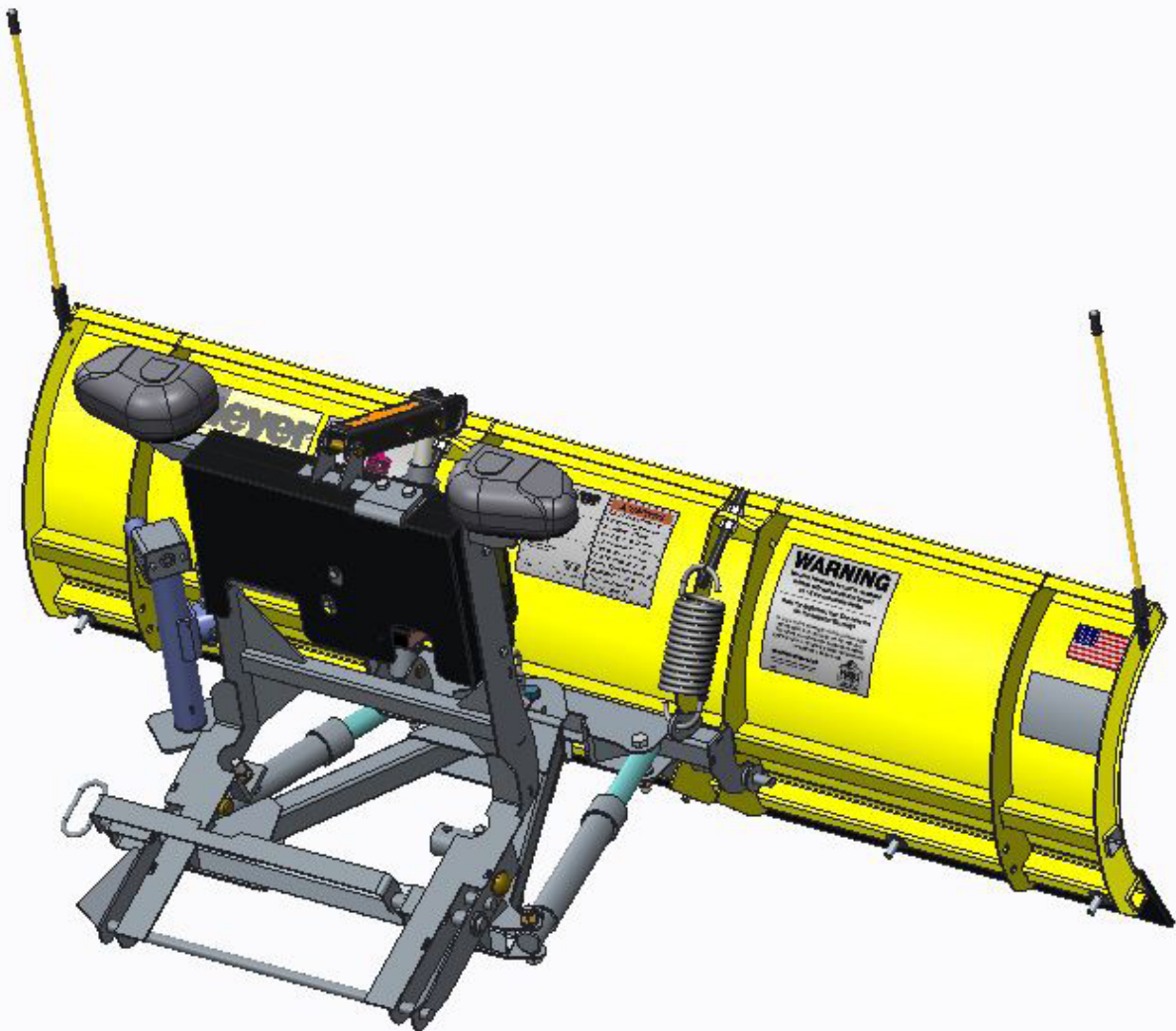


EZ Build Assembly and Installation

41130 Drive Pro 6.8 & 7.6 Plow Standard Operating System with E-73 12V Hydraulic Unit
and
41180 Drive Pro 6.8 & 7.6 Plow Standard Operating System with E-73 12V Hydraulic Unit



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Web Based Support

Service Manuals



<http://www.meyerproducts.com/TechSupport/ServiceManualsandInstallationInstructions.aspx>

EZ-Troubleshooter



<http://www.meyerproducts.com/techsupport/EZtroubleshooter.aspx>

Owners Manual



<http://www.meyerproducts.com/TechSupport/OwnersManuals.aspx>

Mount/DismountVideos



http://www.youtube.com/playlist?list=PLDE0602B305314D92&feature=edit_ok

Please visit our website to find our most updated technical information.

GENERAL INFORMATION

CAUTION Always disconnect battery prior to installation.

SAFETY PRECAUTIONS should be used when Quik Lift® is in a RAISED position. LOWER plow to the ground when vehicle is PARKED.

OVERHAUL and SERVICE information is covered on separate instructions.

WARNING Lift arm should be removed from vehicle if / when snowplow is removed.

Note:

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, coat all connections with Meyer Dielectric Grease Part No. 15632
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

Tool list for Plow assembly:

Pliers	9/16" socket
1/2" socket	3/4" box wrench
1/2" box wrench	15/16" box wrench
9/16" box wrench	15/16" deep well socket

ADDITIONAL BATTERY CONNECTIONS

1. When attaching cables to battery with side post terminals, use M.P. Adaptor Part #21976.

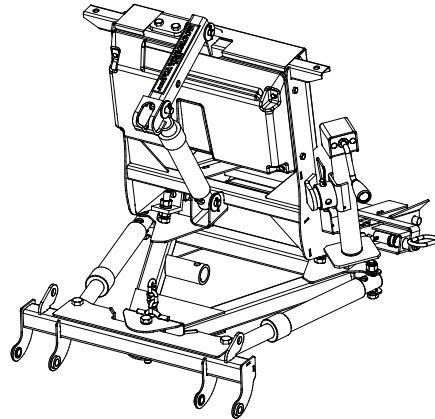
Please check the contents of your crate. Page 2 shows the assembled parts in the left hand column and the accessory box in the right hand column. Page 3 is the diagram for the left hand column of page 2.

TORQUE CHART FOOT POUNDS

Bolt Nut Size	Gr. 2	Gr. 5	Gr. 8
1/4 - 20	4 - 5		
5/16 - 18	9 - 11		
3/8 - 16	17 - 20	26 - 29	
7/16 - 14		42 - 46	60 - 66
1/2 - 13		64 - 72	90 - 100
5/8 - 11		127 - 141	179 - 198

Parts Diagram

41130 & 41180 E-73 EZ Build



Parts List

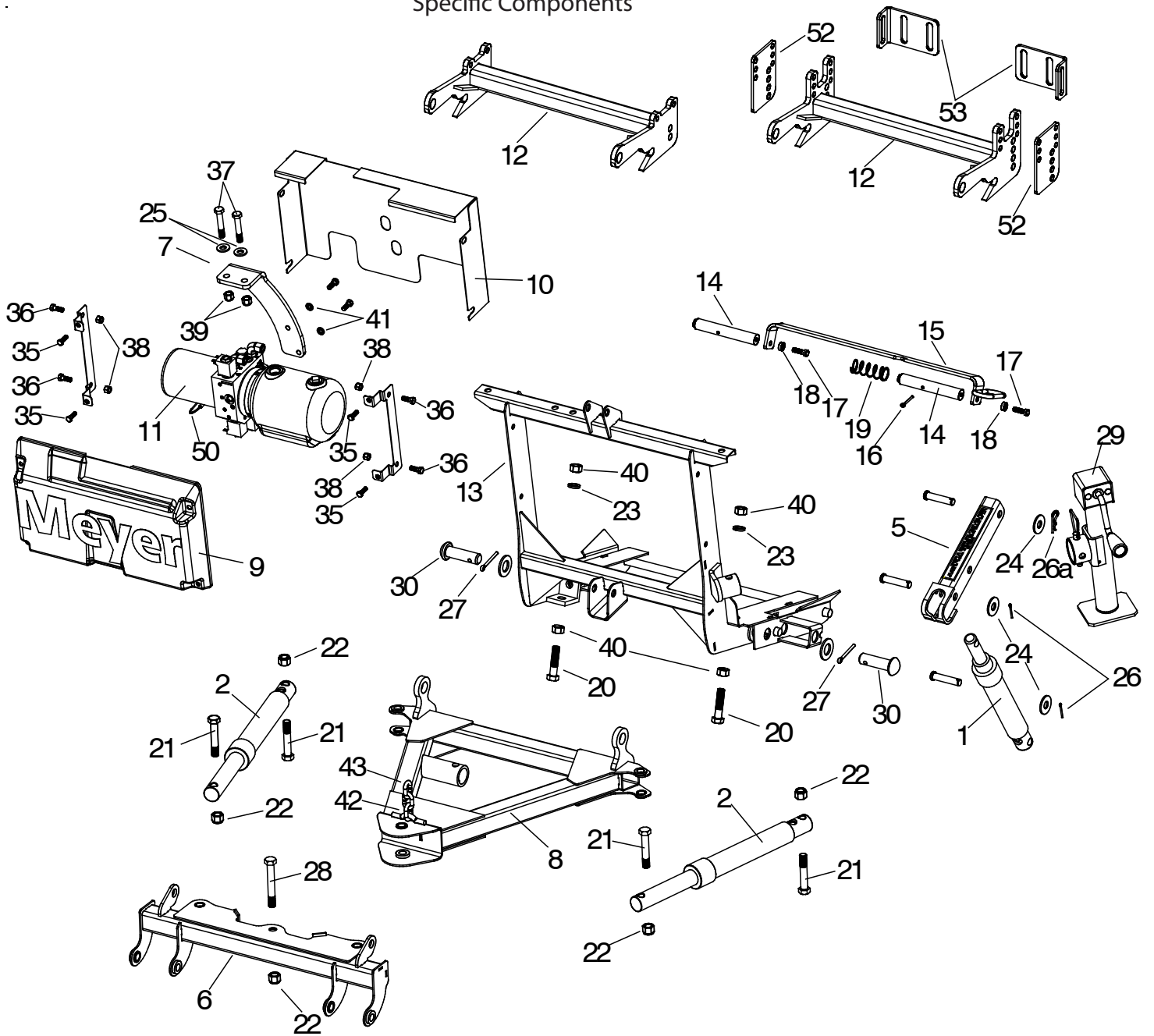
Item	Part No.	Part No.	Qty.	Description	Item	Part No.	Part No.	Qty.	Description
	41130	-----	1	DP5.0- 7.5 E-73 DP Mount Assy.	39	20307	20307	2	• Locknut 1/2-13
	-----	41180	1	DP6.8-7.5 E-73 DP Mount Assy.	40	20530	20530	4	• 5/8-11 Finish Nut
1	05888	05888	1	• Lift Ram 1-1/2 x 8"	41	22379	22379	4	• Lockwasher 3/8
	07772	07772	1	• LH Ram with Hose & Fittings	42	20800	20800	1	• Quick Link 5/16"
2	05887	05887	1	•• Ram (1-1/2" x 10")	43	21543	21543	1	• Chain 5/16" x 29"
3	22866	22866	1	•• SAE 6 x 90 Degree Elbow		41131	41181	1	• Accessory Box
4	22885	22885	1	•• Hose Assy 1/4 x 54" M-6	44	23025	23025	1	•• Power Cable - 36"
	07783	07783	1	• RH Ram with Hose & Fittings	45	12978	12978	2	•• Trip Spring
2	05887	05887	1	•• Ram (1-1/2" x 10")		07810	07810	1	•• Nite Saber III Kit
3	22866	22866	1	•• SAE 6 x 90 Degree Elbow		09917	09917	1	•• Plow Marker Kit
4	22921	22921	1	•• Hose Assy 1/4 x 38" M-6	46	08214	08214	2	••• Plow Marker
5	10514	10514	1	• Lift Arm	47	20027	20027	4	•• Bolt H 5/16-18 x 1 Gr. 2
6	14250	14250	1	• Pivot Bar Drive Pro 6.8	48	20304	20304	4	••• Locknut 5/16-18
7	14185	14185	1	• E-73 DP Mounting Bracket	49	20352	20352	8	••• Flatwasher 5/16"
8	14232	14232	1	• A-Frame Drive Pro	50	15220	15220	1	•• Starter Solenoid - 12 volt
9	14289	14289	1	• E-73 Lift Unit Cover Front	51	21832	21832	1	•• Split Bushing
9a	14288	14288	1	• E-73 Lift Unit Cover Rear	52	-----	19945	2	•• Clevis Spacer
10	14290	14290	2	• Lift Unit Cover Bracket	53	-----	19948	2	•• Clevis Support Bracket
11	16024	16024	1	• E-73 Lift Ass'y. (Unit only)	54	23022	23022	1	•• Controller
12	19836	19943	1	• Clevis Drive Pro	55	23033	23033	1	•• Truck Side Harness
	18944	18944	1	• Lift Frame Assy DP		41102	41102	1	•• Hardware Bag
13	18919	18919	1	•• Lift Frame	56	09124	09124	2	••• Eye Bolt
14	19775	19775	2	•• Pin	57	20357	20357	2	••• Flatwasher 5/8"
15	18938	18938	1	•• Pull Pin	58	20385	20385	2	••• Cotter Pin 1/8 x 1-1/4"
16	20406	20406	1	•• Cotter Pin 3/16 x 1-1/2"	59	22720	22720	2	••• Pivot Pin 5/8 x 7
17	22010	22010	2	•• Bolt H 3/8-16 x 1-1/4"	60	15187	15187	1	• Breather
18	22260	22260	2	•• Poly Washer 3/8"	61	23034	23034	1	• Keyed Ignition Relay
19	814000005	814000005	1	•• Spring					
20	20144	20144	2	• Bolt H 5/8 - 11 x 2-3/4" Gr. 5					
21	20147	20147	4	• Bolt H 5/8 - 11 x 3-1/2" Gr. 5					
22	20309	20309	5	• Locknut 5/8 - 11					
23	20331	20331	2	• Lockwasher 5/8"					
24	20357	20357	3	• Flatwasher 5/8"					
25	20355	20355	2	• Flatwasher 1/2"					
26	20385	20385	3	• Cotter Pin 1/8 x 1-1/4"					
26a	22845	22845	1	• Hair Pin					
27	20420	20420	2	• Cotter Pin 1/4 x 2"					
28	22000	22000	1	• Bolt H 5/8-11 x 4-1/2" Gr. 8					
29	22022	22022	1	• Crankstand					
30	22436	22436	2	• Pin 1 x 3"					
31	23023	23023	1	• Plow Side Harness					
32	22719	22719	3	• Pivot Pin 5/8 x 3"					
33	22866	22866	1	• SAE Mx3/8 90 Degree Elbow					
34	22884	22884	1	• Hose 1/4 x 33"					
35	20027	20027	4	• Bolt H 5/16-18 x 1" Gr. 2					
36	20049	20049	4	• Bolt H 3/8-16 x 1 Gr. 2					
37	20100	20100	2	• Bolt H 1/2-13 x 2-3/4" Gr. 5					
38	20305	20304	4	• Locknut 3/8-16					

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

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.

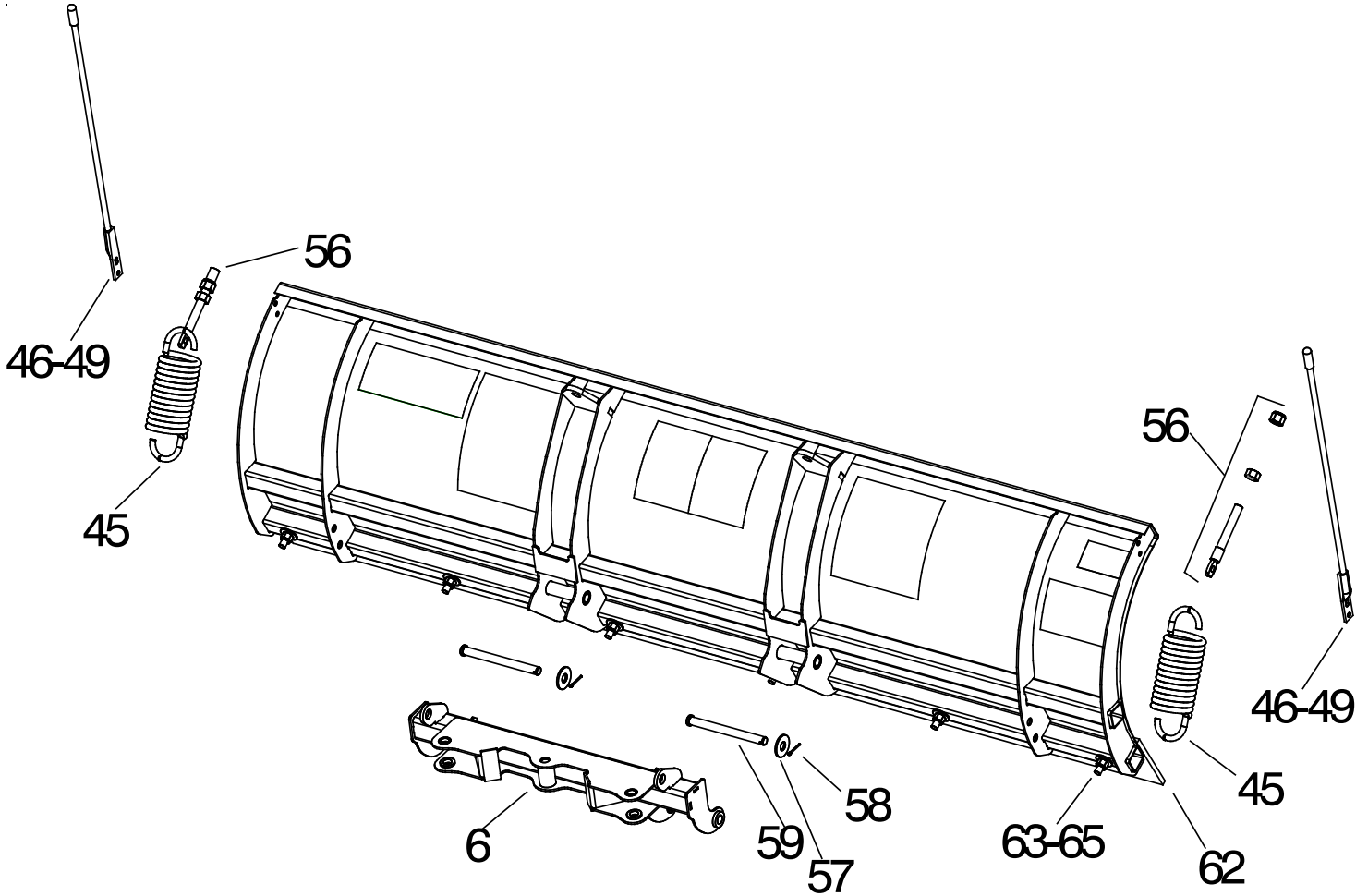
41130 E-73
Specific Components

41180 E-73
Specific Components



DP6'8" and DP7'6" Assembly

DP 6'-8" & 7'-6"



DP 6'-8" & 7'-6" Parts List

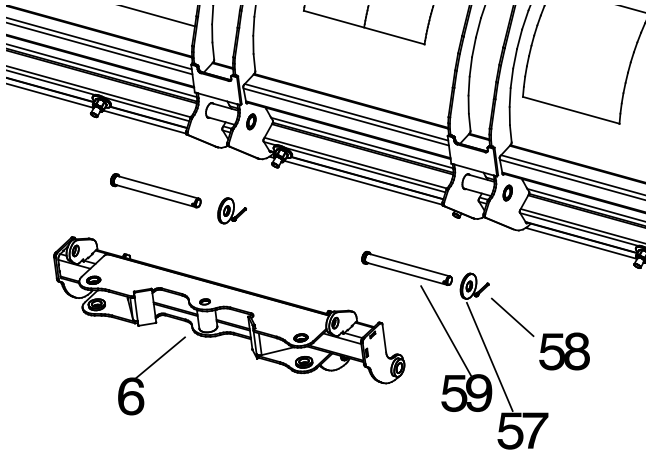
Item	DP 6'-8" Part No.	DP 7'-6" Part No.	DP 7'-6" Part No.	Qty.	Description
62	09499	09498	09507	1	Drive Pro™ Moldboard Assembly
63	09276	09796	09796	1	Cutting Edge
64	-----	22067	22067	8	Bolt 1/2-13 x 3-1/4" Gr. 5
65	22067	-----	-----	6	Bolt 1/2-13 x 3-1/4" Gr. 5
65	20307	20307	20307	8	Locknut 1/2-13

Parts indented are included in the assembly under which they are indented.

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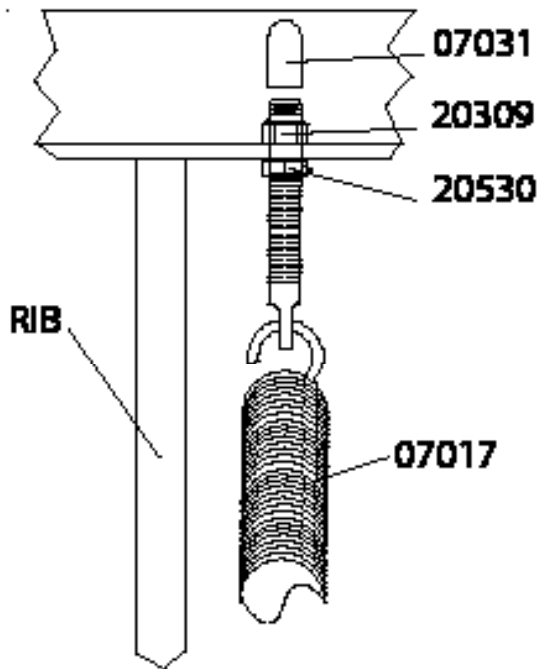
Attaching Plow to EZ Build Assembly

- A. Liberally coat Pivot Pins (60) with Coolube Multi-Purpose Premium Grease Part No. 15181.
- B. Attach Pivot Bar (6) to Moldboard with Pivot Pins (59), 5/8" flatwashers (57) and insert Cotter Pins (58).

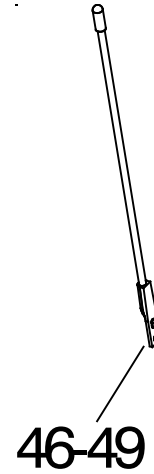


- C. Attach Eye Bolts (56) to Moldboard and Trip Springs (45) to Pivot Bar (6), making certain locknuts are positioned as shown below.
- D. Make certain each Eye Bolt (56) is in a vertical position as shown below so that the Eye Bolt (56) and Trip Spring (45) hinge properly when moldboard trips.

Note: Proper tension is attained when Trip Spring (45) coils just begin to separate and then tightening top locknut four additional turns. Tighten bottom Locknut (20530) to secure Eyebolt in position. Install Eyebolt caps (07031) over exposed threads.



- E. Attach Plow Markers (46) to moldboard using 5/16-18 x 1" Bolt (47), 5/16" Flatwasher (49) and 5/16-18 Locknut (48)

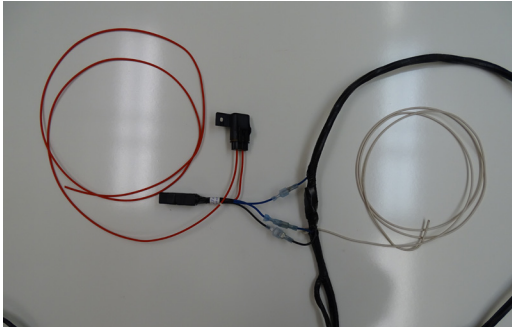


- F. Attach the Lift Chain to the Lift Arm (5) through the two hooks on the lift arm. Adjust the lift chain at the lift arm so that there are 2-3 links of slack. This ensures that the plow blade will lift fully and be able to follow the ground contour while plowing.

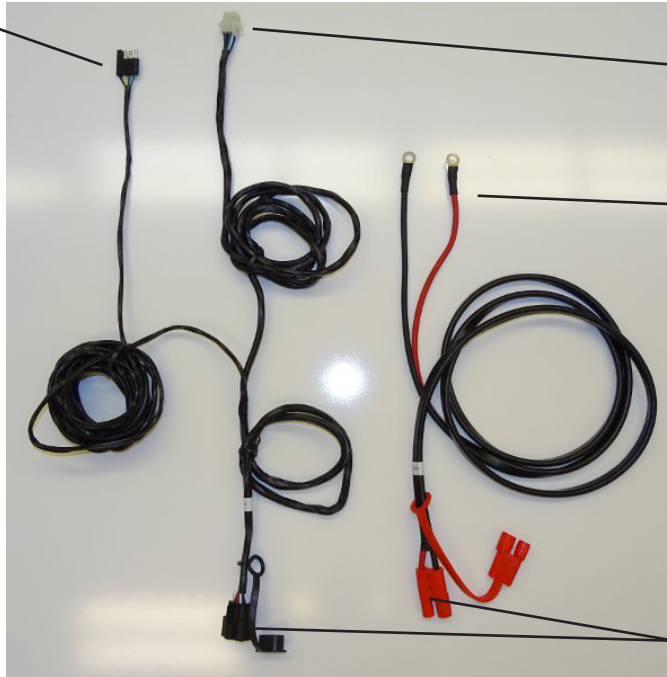


Vehicle Side Wiring Diagram

Route to rear of vehicle and plug into vehicle trailer harness



Optional Keyed Ignition Realy (61). Un-plug blue wires on middle of Truck Side Control Harness (55) and plug in the Keyed Ignition Relay (61) (Blue to Blue and Black to Black) Connect Red wire with 5 amp fuse to vehicle keyed ignition source. White wire will connect to 2015 & Later GM vehicles with alternator relay. See Meyer Products Service Bulletin SB252.



Route into vehicle cab and plug into controller.

Route through grille of vehicle into engine compartment and connect red to positive and black to negative post of vehicle battery.

Plug both harnesses into the plow side harness.

G. Run Truck Side Control Harness (55) through a hole in grille and into the engine compartment.



Secure Truck Side Control Harness (55) from any hot or moving parts with tie wraps as needed.

- H. Drill a 1-1/4" Diameter Hole through firewall to install split bushing (51) and extend the harness into the cab of the vehicle.
- I. Run trailer end of Truck Side Control Harness to the back of the vehicle and plug into flat 4 pin trailer connector on vehicle. Be sure to add dielectric grease to the plug connection.
- J. Route Power harness through grille of vehicle and connect red to (positive post) and black wire to (negative post) of vehicle battery.

Top off the unit to the fill line on the reservoir with Meyer M-1 Hydraulic Fluid.

NOTE: Proper fluid level is to the fill line on the reservoir for the E-73. It must be checked with the lift cylinder fully retracted.

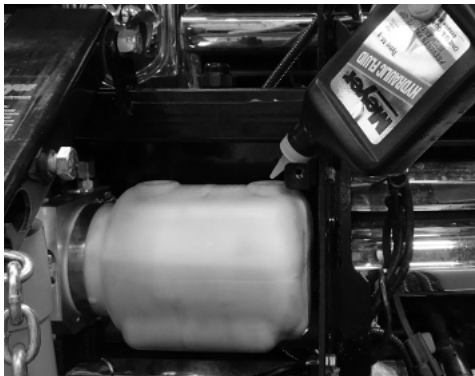
For snow plow light installation see separate instructions.

Connect both male ends from the snow plow light to the female ends on the Plow Side Harness (31).

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

Note: All electrical connections should have both ends coated with a dielectric grease, Meyer Part No. 15632, prior to final installation. This will ensure a good connection and help in preventing corrosion.

- K. Refer to Operation and Maintenance Manual for complete controller operation.



Hydraulic Solenoid Color Code:

OPERATION - SOLENOID COMBINATION

RAISE - Motor Solenoid + "B" Solenoid

LOWER - "A" Solenoid Only

LEFT ANGLE - Motor Solenoid Only

RIGHT ANGLE - Motor Solenoid + "C" Solenoid

COIL COLOR CODE

MOTOR SOLENOID - WHITE WIRE

"A" - BLACK WIRE

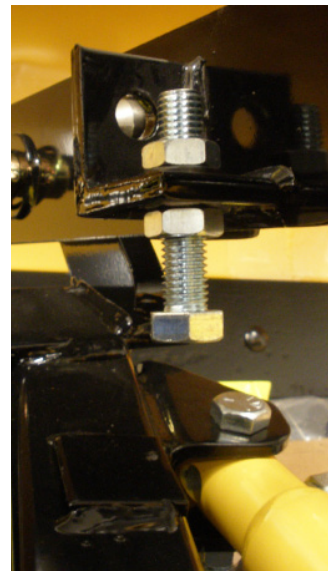
"B" - RED WIRE

"C" - GREEN WIRE

GROUND WIRE EACH COIL BLACK W/WHITE STRIPE

- M. Assemble adjustable stacking stop bolts to lift frame (13) using 5/8-11 x 2-3/4" bolts (20), lockwashers (23) and jamnuts (40). See below.

Note: Adjustment must be made after moldboard assembly is installed. Adjustment bolts (20) should make contact with the a-frame before any part of the A-Frame/ Sector or moldboard come in contact with the lift arm and, or hydraulic unit while raising the snowplow or stacking snow. Moldboard should be checked in all positions.



Mount Plow To Vehicle

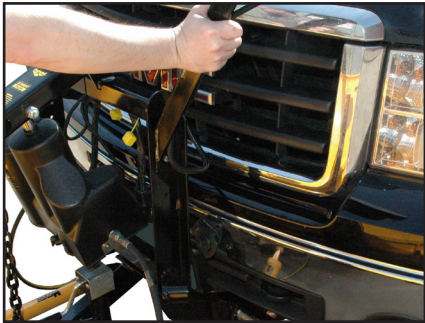
For Mounting and Dis-mounting instructional video's please visit www.youtube.com/meyerproducts



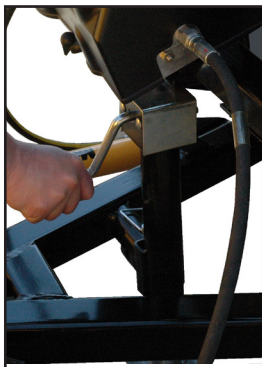
A. Pull vehicle into plow assembly and push plow assembly forward an inch or two.



B. Twist handle on driver side to disengage the notch that locks open the pins.



C. Push back on lift frame until pins spring thru mount on vehicle.



D. Adjust crankstand until it is no longer in contact with the ground.



E. Remove crankstand from a-frame.



F. Attach crankstand to lift frame.



G. Remove weather cover on both ends and connect both electrical plugs.

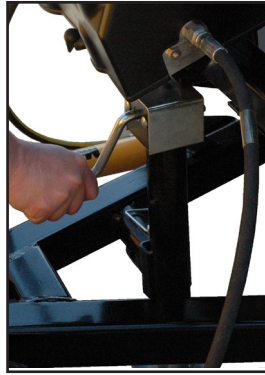
Meyer Products assumes no responsibility for installations not made in accordance with these instructions.

Dis-Mount Plow From Vehicle

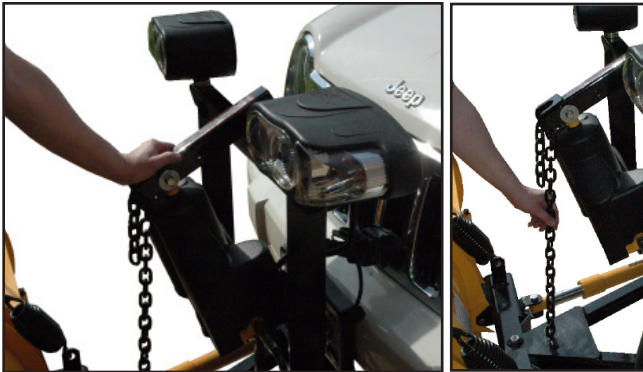
For Mounting and Dis-mounting instructional video's please visit www.youtube.com/meyerproducts



A. Press down button until float light turns blue.



E. Adjust crankstand until crankstand comes into contact with the ground and then turn 1 to 2 revolutions.



B. Push lift arm down until there is a little slack in the chain.



F. Pull handle on drivers side to dis-engage pins then twist until the notch locks open the pins.



C. Remove crankstand from lift frame.



G. Disconnect both electrical plugs and install weather cover on both ends.



D. Attach crankstand to a-frame.



H. Back vehicle away from plow assembly.

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



PRE-DELIVERY INSPECTION

Vehicle Make: _____

Vehicle Model: _____

Vehicle Year: _____

Vehicle VIN#: _____

Vehicle FGAWR: _____

Installing Company: _____

Mounting Type:

Drive Pro

Plow Type:

5.0

6.0

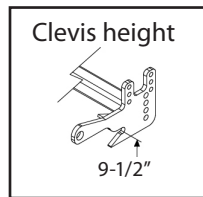
6.8

7.6

Hydraulic Serial Number: _____

Moldboard Serial Number: _____

- All bolts torqued to specification
- Suspension interference
- Clevis height in inches _____
- Trip springs adjusted
- Lift Chain Adjusted
- Check for hydraulic fluid leaks
- Hydraulic fluid Level
- Dielectric grease applied to ALL electrical connection
- All wires/modules secured
- Plow Stops Adjusted (plow cannot bump hyd. unit)
- Controller Operation



- Plow Operation Up
- Plow Operation Left
- Plow Operation Right
- Plow Operation Down
- Plow Light Blinker Left & Right Operation
- Plow Light Low & High Beam Operation
- Plow Lights Adjusted
- Plow Mount/Dismount reviewed with Customer
- Plow Operation reviewed with Customer
- Warranty/Registration/Owners Manual reviewed with Customer

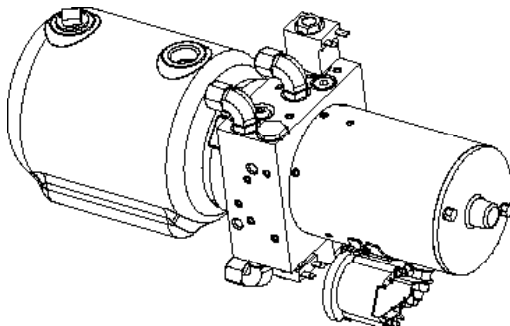
Comments:

Inspected By: _____ W.O.# _____ Date: _____

Customer Signature: _____

Serial Number Decal Locations

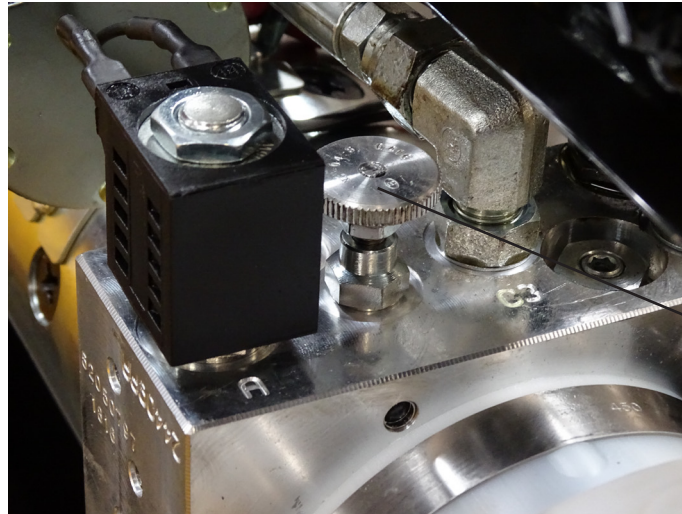
E-73 unit serial number is under the cover attached to the hydraulic unit.



Moldboard serial number is attached to the back of the moldboard.



E-73 Drop Speed Adjustment



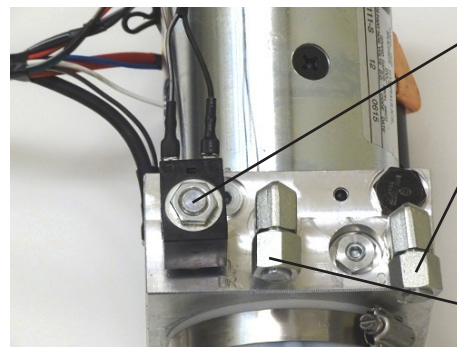
Drop Speed Adjustment

E-73 Drop Speed Adjustment: Loosen jam nut and turn knob clockwise to slow the drop of the plow and counter clockwise to speed the drop of the plow. Tighten jam nut.

E-73 Wire and Hose Locations



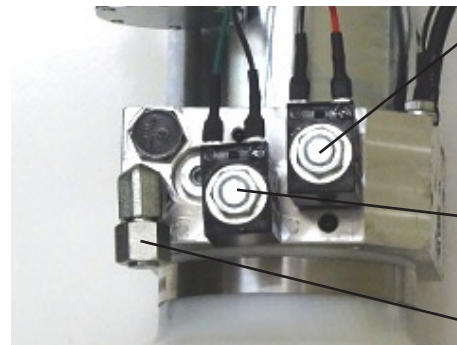
To Plow Lights
To Vehicle Harness



"A" Valve Black & Black with White Stripe

Left Angle Cylinder

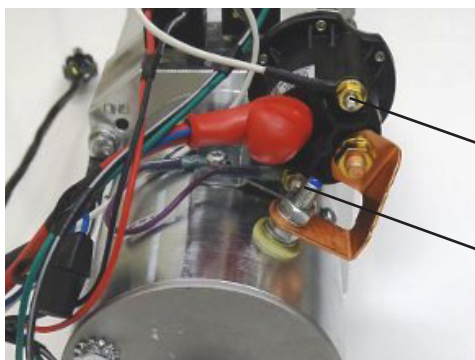
Lift Cylinder



"B" Valve Red & Black with White Stripe

"C" Valve Green & Black with White Stripe

Right Angle Cylinder



Motor Solenoid White

Motor Solenoid Purple