



## PARTS & INSTALLATION INSTRUCTIONS MEYER MDII™ SNOW PLOW MOUNTING 1999 & Later GMC and Chevrolet K 1500 Series 4x4 Models

### IMPORTANT NOTICE

**End user must be given this instruction sheet prior to delivery of this Snow Plow.**

The equipment you have just purchased should only be used on vehicles equipped with the Manufacturer's Snow Plow Preparation Packages. Snow Plowing without the original Snow Plow Preparation Package may damage your vehicle and the added weight to the equipment may impair the operation and control of the vehicle. Snow Plowing with a vehicle that the manufacturer does not recommend for that purpose may void your new vehicle warranty. If your vehicle is not originally equipped with the Snow Plow Package, additional parts may be necessary before snow plowing. Owners of these vehicles should consult their dealers before purchase or installation of such parts. CAUTION: the installation, on any vehicle, of these parts is not a full substitute for the original equipment Snow Plow Preparation Package.

**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 removed.**

### Parts List

| Item              | Part No.        | Qty        | Description                                    |
|-------------------|-----------------|------------|------------------------------------------------|
|                   | 17121           | 1          | <b>MOUNTING CARTON</b>                         |
| 1                 | 11819           | 1          | • L.H. Side Mount                              |
| 2                 | 11820           | 1          | • R.H. Side Mount                              |
| 3                 | 11825           | 1          | • Underframe Weld                              |
| 4                 | 19576           | 2          | • Spacer Plate                                 |
| 5                 | 19577           | 2          | • Spacer Plate                                 |
| 6                 | 22223           | 1          | • Handle Bolt, Washer                          |
|                   | 08734           | 1          | • <b>HARDWARE BAG</b>                          |
| 7                 | 22280           | 4          | • Handle Bolt, Washer                          |
| 8                 | 11669           | 2          | •• Sleeve                                      |
| 9                 | 20141           | 2          | •• Bolt H 5/8-11 x 2" Gr. 5                    |
| 10                | 20097           | 12         | •• Bolt H 1/2-13 x 2" Gr.5                     |
| 11                | 20109           | 2          | •• Bolt H 1/2-13 x 6" Gr.5                     |
| 12                | 20357           | 8          | •• Flatwasher 5/8"                             |
| 13                | 20307           | 18         | •• Locknut Esna 1/2-13                         |
| 14                | 20309           | 3          | •• Locknut Esna 5/8-11                         |
|                   | 21976           | 2          | •• Battery Connectors                          |
| *                 | 11770           | 1          | <b>Universal Clevis (Packed in CLF Carton)</b> |
| <b>11" Sector</b> |                 |            | <b>MEYER</b>                                   |
|                   | <b>Part No.</b> | <b>Qty</b> | <b>Description</b>                             |
|                   | 16515           | 1          | <b>Sector A-Frame Carton</b>                   |
|                   | 21534           | 2          | • Lift Chain 5/16 x 36"                        |
|                   | 12326           | 1          | • Sector                                       |
|                   | 13711           | 1          | • A-Frame (11" x 34" x 22-1/4")                |
|                   | 07017           | 3          | • Trip Spring                                  |
|                   | 09916           | 1          | • Plow Marker kit                              |
|                   | 08738           | 1          | • Hardware Bag                                 |
| <b>DIAMOND</b>    |                 |            | <b>Common Attaching Kit</b>                    |
|                   | 81504           | 1          | • Cylinder Collar                              |
|                   | 817000104       | 2          | • Chain 5/16" PR Coil Lift 59"                 |
|                   | 8511002008059   | 1          | • Plow Marker                                  |
|                   | 811000095       | 2          | • Hardware Bag                                 |
|                   | 80389           | 1          |                                                |
|                   | 81026           | 1          | <b>Push Frame</b>                              |

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

Meyer Products LLC and Diamond Equipment 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.

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# General Information

**CAUTION:** Always disconnect battery before beginning installation.

**DO NOT BURN** holes or **WELD** vehicle frame. This may cause frame failure.

After first use, retighten all mounting bolt connections to specified torque. All mounting bolt connections to be checked periodically for tightness.

Locknuts are furnished **DO NOT** tighten bolts and nuts until installation is complete (unless otherwise specified), then be sure to tighten all attaching parts per specified torque chart.

**SAFETY PRECAUTIONS** should be used when **Hydraulic Unit is in OPERATION** and plow is in a **RAISED** position. **Lower plow to ground when vehicle is PARKED.**

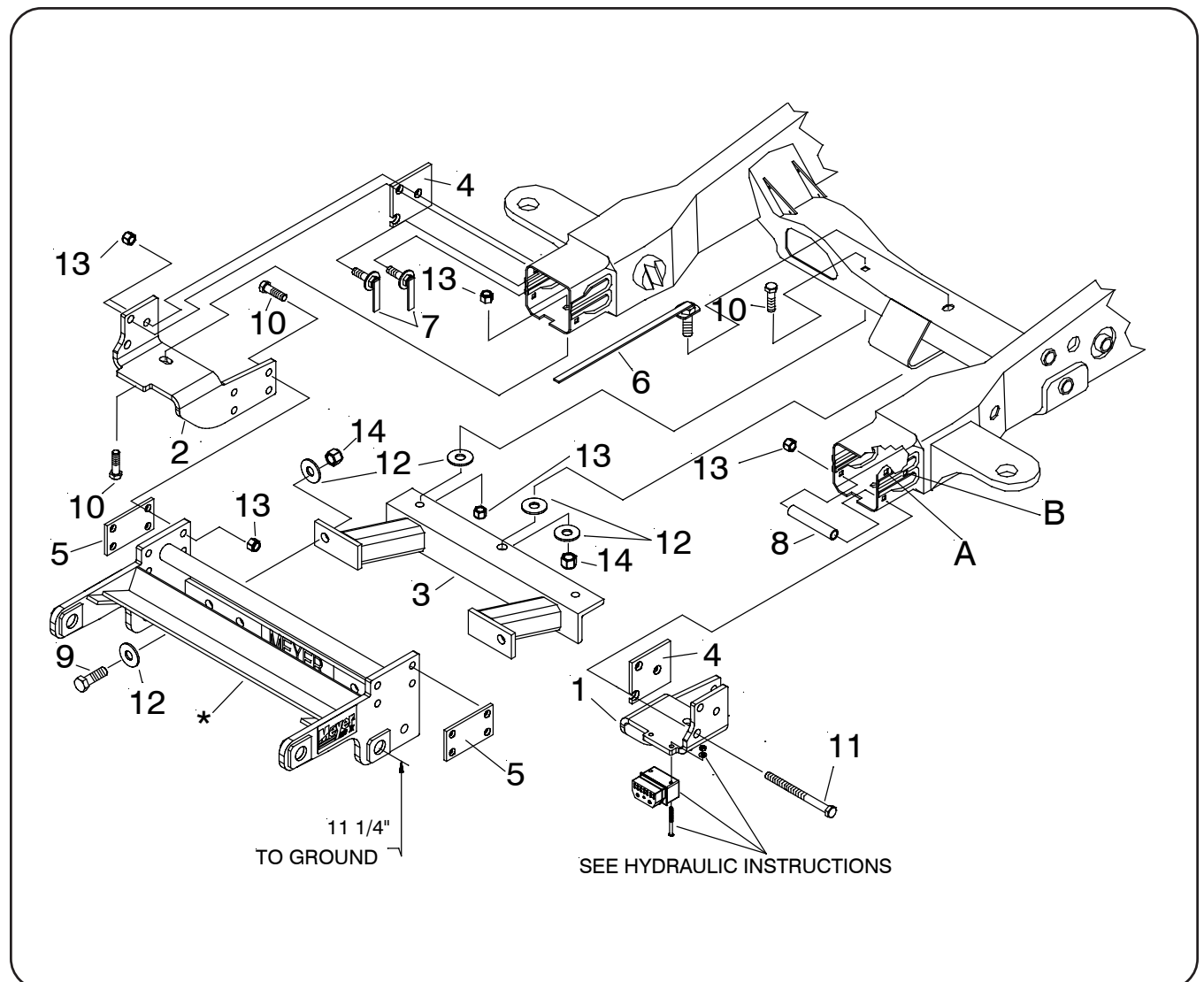
**NOTE:** It is important that the Meyer harness, all wires from the Meyer light switch, and all other electrical wires be routed around hot or moving engine parts, and any sharp metal. Protection must be provided to guard against wire damage at these points. All excess or loose wires must be neatly secured using wire ties.

Check contents against the parts list to determine all are correct and included, and also to familiarize yourself with them.

## **FOLLOW THESE INSTRUCTIONS EXPLICITLY.**

Warranty does not apply to a Meyer or Diamond product which has been negligently or improperly assembled or installed.

**OVERHAUL** and **SERVICE INFORMATION** are covered on separate instructions.



## VEHICLE RECOMMENDATIONS

### General Motors Corp.

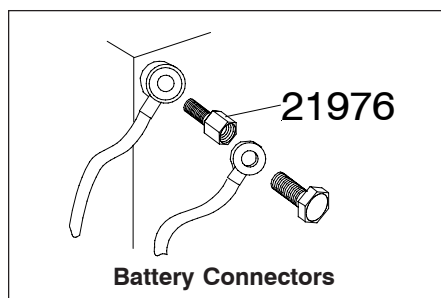
General Motors recommends snowplow usage for only those trucks that have the option "VYU" Snow Plow Preparation Package.

General Motors recommends that when a snow plow is mounted that only one passenger should accompany the driver. More than one passenger may exceed front gross axle weight ratings.

| Model - K1500        | G.V.W.   | Opt.Code | Frt. G.V.W.R. |
|----------------------|----------|----------|---------------|
| <b>Reg. Cab only</b> |          |          |               |
| 119" W.B. 1999-cur.  | 6100 lb. | (C5M)    | 3925 lb.      |
| 133" W.B. 2001-cur.  | 6400 lb. | (C7H)    | 3925 lb.      |

#### Vehicles Not Recommended:

1500 Extended Cab Pickups  
1500 Chevy Avalanche  
1500 Chevy Tahoe/Suburban  
1500 GMC Yukon/Yukon Denali  
1500 GMC Sierra Denali (AWD)  
Cadillac Escalade/ Escalade EXT



## TORQUE CHART FOOT LBS.

| 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 |
| 3/4 - 10      |         | 227 - 251 |           |

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

## INSTALLATION INSTRUCTIONS

- Remove air dam. Retain all hardware. The air dam may be reinstalled.
- Remove splash shield. Retain. It will not be reused. Hardware will not be reused.
- Remove tow hooks from both driver and passenger side frame rails. Retain, they will not be reused.  
**NOTE: On some GMC models removal of the bumper may be necessary.**
- Position the L.H. & R.H. Side Mounts (1&2) and Spacer Plates (4) to the bottom flange of vehicle frame and align holes to where tow hook bolts were removed. Attach Side Mounts to bottom tow hook hole under the rails with 1/2-13 x 2" bolts (10), and 1/2-13 locknuts (13). Attach front holes of Side Mounts using 1/2-13 x 6" bolts (11), sleeves (8), and 1/2-13 locknuts (13).  
**Note: Snug all bolts during the installation. Do not torque down any bolts until step I.**
- Using the Side Mounts as templates, drill two 9/16" holes at "A" and "B" on the outside of each frame rail only. **Notes: Hole "A" may be on some frames from the factory. Optional fog lamps may need to be removed during drilling.** Remove 1/2-13 x 6" bolts (11), sleeves (8), and 1/2-13 locknuts (13). Attach holes "A" and "B" using Handle Bolt/Washers (6), and 1/2" locknut (13). Reinstall the 1/2-13 x 6" bolts (11), sleeves (8), and 1/2-13 locknuts (13). Do not tighten at this time.
- Attach the Universal Clevis (\*) between the LH & RH Side Mounts (1&2) and Spacer Plate (5) using four 1/2-13 x 2" bolts (10), and 1/2" locknuts (13) on each side.
- Position underframe (3) behind the universal clevis frame's bottom angle. Attach underframe (3) to the Universal Clevis (\*), using 5/8-11 x 2" bolts (9), 5/8 flatwashers (12), and 5/8-11 locknuts (14).
- Attach rear of underframe (3) to the three holes in the vehicle crossmember. All bolts must be installed thru the tear drop shaped opening on either side of vehicle crossmember. Attach to the outer two holes in vehicle crossmember using 1/2-13 x 2" bolts (10) and 1/2-13 locknut (13), and at the center hole using handle bolt (6), 5/8" flatwasher (12), and 5/8-11 locknut (14).

**Note: Flatwashers (12) should be placed between the crossmember and underframe on all three holes.**

**Note: Before tightening the fasteners, the Clevis Frame (\*) should be level with the ground and pushed back as far under the vehicle as possible.**

- Tighten all fasteners to their proper torque. Tighten bolts in the same order they were assembled to the vehicle.
- Reinstall bumper if removed. Reinstall air dam if desired, notch out around clevis frame as needed.
- Install remaining snowplow hardware per separate instructions.