






## PARTS & INSTALLATION INSTRUCTIONS MEYER H.M.B.F. EZ PLUS SNOW PLOW MOUNTING TRUCKS UP TO 27,000 LB. G.V.W.

**THIS SNOW PLOW MOUNTING IS DESIGNED FOR USE ON ALL  
CLASS 4, 5, 6 TRUCKS AND CLASS 7 TRUCKS OF 27,000 MAXIMUM G.V.W.**



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

### SAFETY DEFINITIONS



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|  | This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death. |
|  | DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.  |
|  | WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.  |
|  | CAUTION Indicates an potentially hazardous situation which, if not avoided, may result in minor or moderate injury.  |
|  | CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, will result in property damage.                                    |

### IMPORTANT NOTICE


In conjunction with FMVSS (Federal Motor Vehicle Safety Standards) and OEM (Original Equipment Manufacturer) guidelines, Meyer Products has designed this plow package with the following guidelines:

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|  | Installation of a snowplow may effect your new vehicle warranty. For more information consult your Vehicle Owner's Manual / Vehicle Dealer.   |
|  | The vehicle must not be operated when overloaded. In all cases, the loaded vehicle weight, including the entire snowplow system, all aftermarket accessories, driver, passenger, options, nominal fluid levels, and cargo must not exceed the front/rear Gross Axle Weight Rating (GAWR), and total Gross Vehicle Weight Rating (GVWR). These weights ratings are specified on the safety compliance certification label on the driver's side door opening. The use of rear ballast weight may be required to prevent exceeding the front GAWR. |


According to the NHTSA (National Highway Traffic Safety Administration) new and untitled vehicles need to be verified by the installer that snowplow and ballast (if needed) do no exceed the front/rear GAWR and total GVWR.


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|  |  Read the Meyer Owner's Manual before operating or servicing a snowplow. <b>FOLLOW THESE INSTRUCTIONS EXPLICITLY.</b> |
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### GENERAL INFORMATION

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|  | <b>SAFETY PRECAUTIONS</b> should be used when <b>Hydraulic Unit is in OPERATION</b> and plow is in a <b>RAISED</b> position. <b>Lower plow to ground when vehicle is PARKED in case of hydraulic failure.</b> |
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Check contents against the parts list to determine all are correct and included, and also to familiarize yourself with them.

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|  | Warranty does not apply to a Meyer or Diamond product which has been negligently or improperly assembled or installed. |
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|  | <b>CAUTION: To avoid harm to vehicles electrical system always</b> disconnect battery before beginning installation. <b>DO NOT BURN</b> holes or <b>WELD</b> vehicle frame. This may cause frame failure. |
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**OVERHAUL and SERVICE INFORMATION** are covered on separate instructions.

Meyer Products 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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**PARTS LIST**

| ITEM | PART NO.     | QTY.     | DESCRIPTION                    |
|------|--------------|----------|--------------------------------|
|      | <b>16400</b> | <b>1</b> | <b>MOUNTING CARTON</b>         |
| 1    | 10559        | 1        | • Frame                        |
| 2    | 10929        | 1        | • Bumper Channel               |
| 3    | 10948        | 2        | • Bumper Extension Angle       |
| 4    | 10242        | 1        | • Brace R.H.                   |
| 5    | 10241        | 1        | • Brace L.H.                   |
| 6    | 10951        | 2        | • Support Angle                |
| 7    | 10949        | 2        | • Side Member .                |
|      | 08512        | 1        | • Hardware Bag HD              |
| 8    | 10243        | 2        | •• Mounting Clip               |
| 9    | 20141        | 14       | •• Bolt H 5/8-11 x 2" Gr.5     |
| 10   | 20166        | 4        | •• Bolt 3/4-10 x 2-1/2" Gr.5   |
| 11   | 20170        | 4        | •• Bolt H 5/8-11 x 3-1/2" Gr.5 |
| 12   | 20309        | 18       | •• Locknut 5/8-11              |
| 13   | 20310        | 4        | •• Locknut 3/4-10              |
| 14   | 20357        | 14       | •• Flatwasher 5/8              |
| •    | 10564        | 1        | Clevis (Packed in 16401 Carton |

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

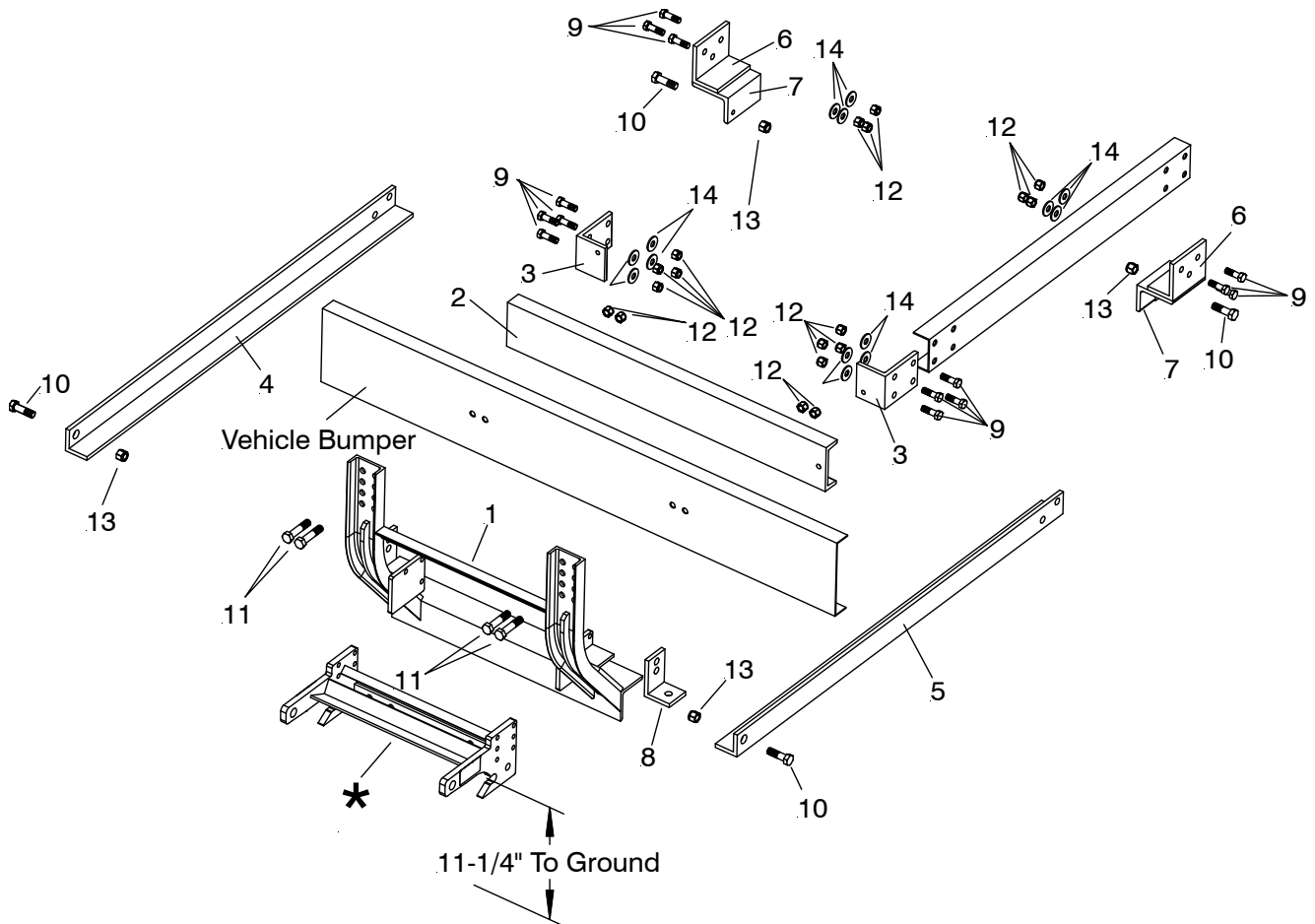
**IMPORTANT**

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.

**TORQUE CHART FOOT**

| 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 |



# INSTALLATION INSTRUCTIONS

**This is a universal mounting which is adaptable to any large truck up to G.V.W. of 27,000 lbs. Cutting, welding, and drilling are required for all installations of this mounting.**

- A. Remove truck bumper. It is probable that any original bumper brackets will not be reused. This will depend on each vehicle's front frame configuration. The bumper will be sandwiched between the Fame (1) and Bumper Channel (2).
- B. Locate Bumper Mounting Clip (8) on end of truck frame. They can be on the inside, outside, top or bottom of frame, so as not to interfere with spring shackles. It is suggested that the Bumper Mounting Clip (8) be clamped in the desired position along with the Bumper Channel (2), vehicle bumper and Fame (1) before any holes are drilled. Hold the Frame (1) in position and verify that the clevis hole height of 11-1/4" can be achieved. If not, then items 8, 2, and 1 must be adjusted until the 11-1/4" dimension is obtained.
- C. After the 11-1/4" clevis height is obtained, drill at least three 11/16" holes in each Bumper Extension Angle (3) and truck frame. Use existing truck frame holes if possible. The Bumper Channel (2) is then welded to the Bumper Extension Angles (3) and this assembly bolted to the truck frame with 5/8-11 x 2" bolts (9), and 5/8" locknuts (12).
- D. Clamp the truck bumper and Frame (1) to the Bumper Channel (2) being certain they are positioned at the proper height as discussed in paragraph "B." Drill four 11/16" holes as shown through Frame (1) truck bumper and Bumper Channel (2) and install 5/8-11 x 3-1/2" bolts (11) and 5/8 locknuts (12).
- E. If desired, the Bumper Clip (8) can be drilled with a hole to accept an original bumper bolt and welded to the Bumper Channel (2) to accept an original lower hole in the truck bumper.
- F. Temporarily clamp the Braces (4&5). Mounting clips (8). Side Member (7) and Support angle (6) in position. Check for spring clearance and full motion of suspension and steering components between these pieces. Mounting clips (8). Side Member (7) and Support angle (6) The Mounting clips (8). Side Member (7) and Support angle (6) can be installed in different positions to obtain necessary clearance. It may be possible to attach Braces (4&5) directly to truck frame in some cases, and can be cut shorter if necessary.
- G. After being correctly positioned, drill three holes in truck frame using the Support Angle (6) as a guide. NOTE: Be sure back side of frame is clear of any brake or fuel lines before drilling. Attach using 5/8-11 x 2" Bolts (9) and Locknuts (12). Weld the sidemembers (7) to the Support Angle (4&5) and the Mounting Clip (6) to the Frame (1).
- H. Drill 13/16" holes in Braces (4&5) and sidemembers (8) and attach using 3/4-10 x 2-1/2" bolts (10) and Locknuts (13). Attach front of Braces (4&5) to Mounting clip (8) using 3/4-10 x 2-1/2" bolts (10) and Locknuts (13)
- I. **IMPORTANT:** Once installation is complete, verify that mounting pieces do not interfere with full movement of steering or suspension and can not contact any engine components or accessories.

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

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