

PARTS & INSTALLATION INSTRUCTIONS

MEYER SNOW PLOW MOUNTING

1993 NISSAN PICKUP, PATHFINDER 4X4 VEHICLES

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 |
|------|----------|------|------------------------------------|
| | 18064 | 1 | Mounting Carton |
| 1 | 11430 | 1 | • Clevis Frame |
| 2 | 10514 | 1 | • Lift Arm |
| 3 | 12978 | 2 | • Trip Springs |
| 4 | 12984 | 1 | • Pivot Bar |
| 5 | 13617 | 1 | • A-Frame |
| 6 | 11462 | 2 | • Receiver Tube Cap |
| | 08643 | 1 | • Hardware Bag |
| 7 | 11006 | 2 | •• Hinge Pin |
| 8 | 20095 | 2 | •• Bolt 1/2 - 13 x 1-1/2" Gr . 5 |
| 9 | 20144 | 1 | •• Bolt H 5/8 - 11 x 2-3/4" Gr. 5 |
| 10 | 20146 | 2 | •• Bolt H 5/8 - 11 x 3-1/4" Gr. 5 |
| 11 | 20164 | 2 | •• Bolt H 3/4 - 10 x 2" Gr . 5 |
| 12 | 22079 | 4 | •• Bolt M-10 x 1 .25 x 35MM |
| 13 | 21988 | 4 | •• Bolt M-12 x 1 .25 x 30MM Gr . 8 |
| 14 | 20307 | 2 | •• Locknut 1/2 -13 |
| 15 | 20309 | 3 | •• Locknut 5/8 - 11 |
| 16 | 20310 | 2 | •• Locknut 3/4 - 10 |
| 17 | 20329 | 4 | •• Lockwasher 1/2" |
| 18 | 20353 | 4 | •• Flatwasher 3/8" |
| 19 | 20354 | 4 | •• Flatwasher 7/16" |
| 20 | 10797 | 4 | •• Spacer |
| 21 | 11368 | 2 | •• Bracket, Light Extension |
| 22 | 21984 | 2 | •• Hair Pin Cotter |
| 23 | 11275 | 1 | LIFT FRAME Tubular |

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

Meyer Products 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.

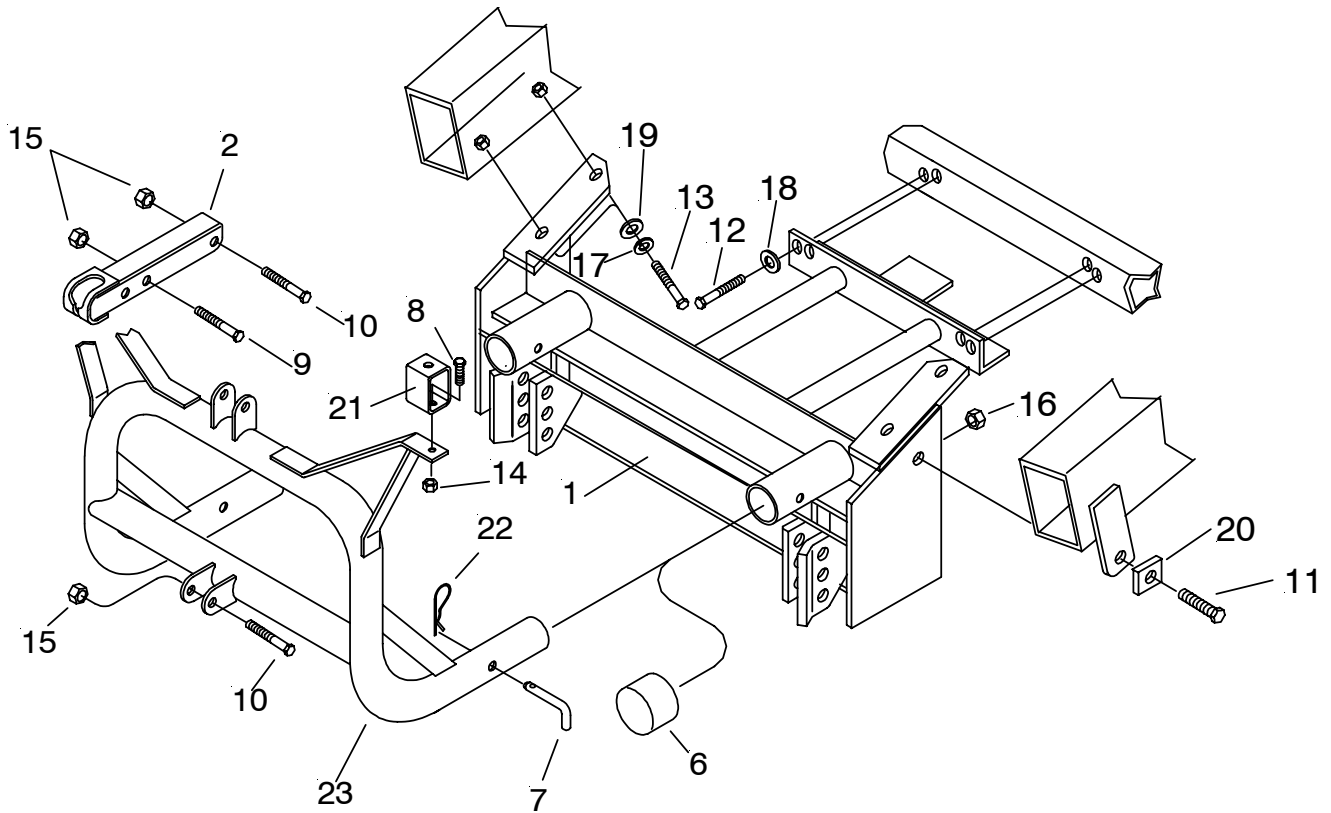
NOTE: It is important that the Meyer harness, all wires from the Meyer light switch, and all other electrical wires be routed around hot or moving engine parts, and any sharp metal. Protection must be provided to guard against wire damage at these points. All excess or loose wires must be neatly secured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

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

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.**

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

Follow these instructions explicitly. Warranty does not apply to a Meyer product which has been negligently or improperly assembled or installed.



INSTALLATION INSTRUCTIONS

- A. Remove vehicle Skid plate and Towhook. Retain all hardware. These items will not be reinstalled.
- B. Attach Clevis Frame (1) to vehicle crossmember using M-10 x 1 .25 x 35MM bolts (12) and flatwashers (18). Attach Clevis Frame (1) to bottom flange of vehicle frame using M-12 x 1 .25 x 30MM bolts (13), lockwashers (17) and flatwashers (19). Attach Clevis Frame (1) to side of vehicle frame using 3/4-10 x 2" bolt (11), spacer (20) and locknut (16). Due to variance in vehicle frame widths additional spacers (20) have been provided. It may or may not be necessary to add these spacers to the inside of vehicle frame for proper installations of clevis frame (1).

Note: Before tightening the fasteners, the Clevis Frame should be pushed back as far as possible under vehicle.

- C. Tighten all fasteners to their proper torque. Tighten bolts in the same order they were assembled to the vehicle.
- D. Install Lift Frame (23) into the tubes on Clevis Frame (1) using Hinge Pins (7) and Hair Cotters (22).




Note: Before Installing Lift Frame tubing to ClevisFrame, liberally coat ends of Lift Frame with chassis grease / anti-sieze lubricant.

- E. Install lights, making certain there is clearance behind the lights for opening the vehicle hood. Lights must be aimed to comply with Federal Regulations.

- F. Install plow light wiring per separate instructions.
- G. Attach Lift Arm (2) to Lift Frame (23) using 5/8-11 x 3-1/2" bolt (10) and locknut (15). Attach Power Unit to Lift Frame with 5/8-11 x 33-3/4" bolt (10) and locknut (15), and to Lift Arm (2) using 5/8-11 x 23/0" bolt (9) and locknut (15).
- H. Install Power Unit wiring system per separate instructions.
- I. Install Moldboard Assembly per separate instructions.
Reference Forms 1-694 or 1-670.

Note: When the lift frame module (23) is removed from the vehicle, the insides of clevis frame (1) receiver tubes and outside ends of the lift frame should be coated with chassis greaselanti-seize lubircant and the protective receiver tube caps (6) installed over the clevis frame receiver tubes.

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 | | |
| 7/16 - 14 | | 26 - 29 | |
| 1/2 - 13 | | 42 - 46 | 60 - 66 |
| 5/8 - 11 | | 127 - 141 | 179 - 198 |
| 3/4 - 10 | | 227 - 251 | |

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