Form 1-733 R3
June 2006

PARTS & INSTALLATION INSTRUCTIONS
MEYER SNOW PLOW MOUNTING
1999 & LATER FORD F250 H.D. & F350
SUPERDUTY PICK-UP 4x2 VEHICLES

Note: To install a snow plow on this vehicle, notching out of steel bumper will be necessary.

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
	17115	**1**	**Mounting Carton**
1	11700	1	• Clevis Frame
2	11698	1	• Side Mount Weldment R.H.
3	11699	1	• Side Mount Weldment L.H.
4	11701	1	• Side Plate L.H.
5	11702	1	• Side Plate R.H.
6	10514	1	• Lift Arm
7	11544	2	• Receiver Tube Cap
	08626	**1**	**• Kit, Light Elevation**
8	11368	2	•• Bracket
9	20095	2	•• Bolt 1/2-13 x 1-1/2" Gr.5
10	20307	2	•• Locknut Esna 1/2-13
	08724	**1**	**• Hardware Bag**
11	11006	2	•• Hinge Pin
12	11968	2	•• Spacer
13	20096	12	•• Bolt H 1/2-13 x 1-3/4" Gr. 5
14	20098	4	•• Bolt H 1/2-13 x 2-1/4" Gr. 5
15	20144	1	•• Bolt H 5/8-11 x 2-3/4" Gr. 5
16	20146	2	•• Bolt H 5/8-11 x 3-1/4" Gr.5
17	20307	22	•• Locknut Esna 1/2-13
18	20309	3	•• Locknut Esna 5/8-11
19	20355	38	•• Flatwasher 1/2"
20	21984	2	•• Hair Pin Cotter
21	22239	6	•• Handle Bolt w/Washer
	11734	2	•• Stop Plate
22	**11255**	**1**	**LIFT FRAME (Tubular)**

	11" Sector		15" Sector		
Item	STL	ST,STP	C,CP	Qty.	Description
	16507	**16505**	**16504**	**1**	**Sector A-frame Carton**
	12182	12326	12793	1	• Sector
23	13635	13612	13608	1	• A- Frame
	07017	07017	---------	3	• Trip Spring
	---------	---------	07017	4	• Trip Spring
	09916	09916	09916	1	• Marker Kit
	08166	08166	08341	1	**• Plow Hardware Bag**
	09119	09119	09119	2	•• Pivot Pin w/Cotter
24	11101	11101	11101	2	•• Hinge Pin
25	22083	22083	22083	2	•• Linch Pin
	09122	09125	09122	1	•• King Bolt w/Locknut
	09124	09124	09124	3	•• Eye Bolt w/Locknuts

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

Meyer Products reserves the right, under its continuing product improvement program, to change construction or design details,

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Meyer PRODUCTS LLC
18513 Euclid Ave. • Cleveland, Ohio 44112-1084
Phone 486-1313 (Area Code 216)
www.meyerproducts.com• email inf@meyerproducts.com

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**.

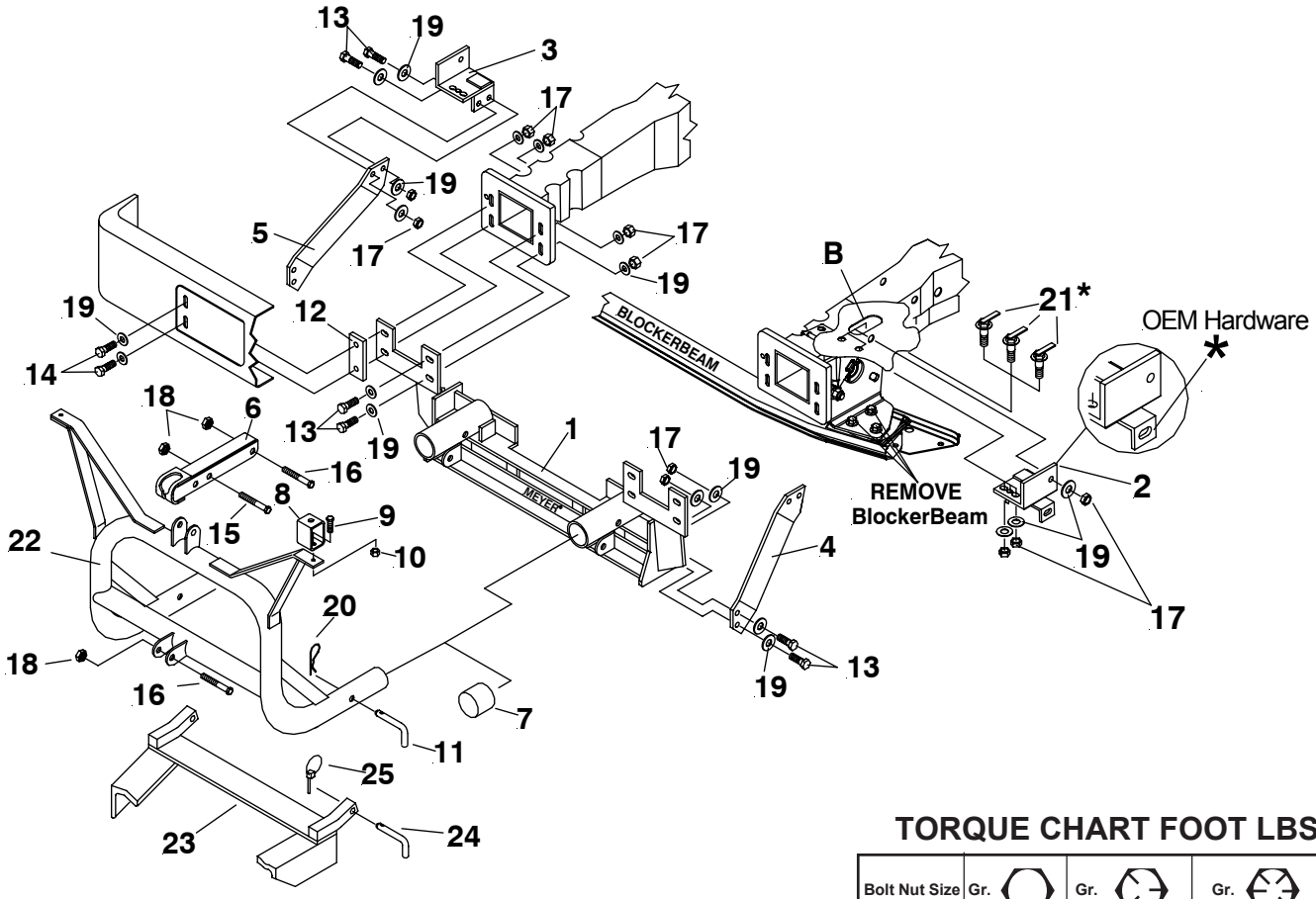
OVERHAUL and **SERVICE INFORMATION** are covered on separate instructions.

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

Vehicles must have heavy duty front end equipment as recommended by Ford Motor Company for snow plow applications. **(Check Body Builders Manual)**

Moldboard	Frt. Spring Code	Frt. G.A.W.R. lbs.
STL	G	3950
ST, STP	H, I, J	4100-4400
C8, CP8	K, L	4550-4850

Note: Be sure to check tire pressure for the proper inflation.



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	

INSTALLATION INSTRUCTIONS

A. Remove bumper and 1/8" bumper mounting plates from vehicle frame. Retain bumper mounting plates and hardware. They will not be reused.
Caution: Regular Cab trucks equipped with diesel engines have a light harness attached to the inside of the bumper.
Detach harness before removing bumper.

B. Once bumper is removed from the vehicle, attach the clevis Frame (1) to the inside slots on front of vehicle frame horns using 1/2-13 x 1-3/4" bolts (13), flatwasher (19) and locknuts (17).

C. Reinstall the bumper using 1/2-13 x 2-1/4" bolts (14), flatwashers (19), Spacers (12) and locknuts (17).**Note: Spacer (12) is to be added between the bumper and clevis frame (1) as per illustration.**

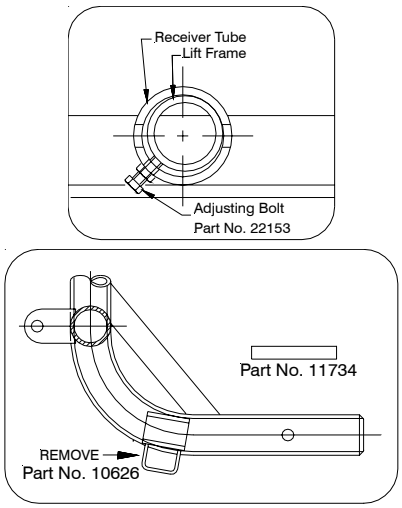
Snug bolts, do not tighten clevis frame at this time.
Important: Notch out bumper around clevis frame.

D. Install Handle Bolts w/Washer (21) through slot "B"in bottom of vehicle frame before installing side mounts (2 & 3). **Note: 2 Handle Bolts w/Washers will be used on each side for 1999-2004 vehicles. Only one will be used on 2005 and later vehicles. (Reference Service Bulletin 217)**

E. Loosely attach sidemounts (2&3) to vehicle frame using Handle Bolt w/Washer (21), flatwashers (19) and locknuts (17).

F. Attach Side plates (4&5) to clevis frame (1) and to Side mounts (2&3) using 1/2-13 x 1-3/4" bolts (13), flatwashers (19) and locknuts (17). Do not tighten bolts at this time.

G. Attach V-Braces at outer ends of bumper to SideMounts (2&3) using the original OEM Hardware.



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

Note: Before tightening the fasteners, the clevis frame (1) should be pushed back as far as possible under the vehicle.

H. Tighten all fasteners to their proper torque. Tighten bolts in the same order they were assembled to the vehicle.

Important Notice: Prior to installation of the lift frame (22), it will be necessary to identify the lift frame being installed. Current production lift frames have additional stops (Part No. 10626) tack welded to the existing stops. (See illustration.) Depending upon the S.A.F. Carton being installed, additional stops may need to be added or removed.

I. When installing S.A.F. Carton 16505 or 16507 remove stops 10626, replace additional stops with (Part No. 11734).

J. When installing S.A.F. Carton 16504 remove stops 10626.

Note: Before installing lift frame tubing to clevis frame, liberally coat ends of lift frame with chassis grease / anti-seize lubricant.

K. Install Lift Frame (22) into the tubes on the clevis frame. Turn adjusting bolts in until contact is made with lift frame.

Caution: Do not over tighten adjustment bolts. Adjust bolts for minimum clearance between lift frame and receiver tubes while still allowing for ease of lift frame removal. See illustration.

L. Secure lift frame (22) to clevis frame (1) using hinge pin (11) and hair pin cotter (20).

M. Attach lift arm (6) to lift frame (22) using 5/8-11x 3-1/4" bolt (16) and locknut (18). Mount Hydraulic unit to lift frame using 5/8-11 x 3-1/4" bolt (16) and locknut (18), and to lift arm (6) using 5/8-11 x 2-3/4" bolt (15) and locknut (18).
(SEE LIFT ARM WARNING)

N. Install Light Extensions (8) Part No. 08626 using 1/2-13 x 1-1/2 bolt (9) and 1/2-13 Locknut (10).

O. Install hydraulic system and snow plow lights per separate instructions.

P. Pre-Assemble Moldboard Assembly, A-Frame (23), Sector per separate instructions.

Q. Attach the A-Frame chain to the Lift Arm (6) allowing sufficient slack to enable the Moldboard to follow ground contour while plowing.

Note: When the lift frame module (22) is removed from the vehicle, the insides of the clevis frame (1) receiver tubes and outside ends of the lift frame should be coated with chassis grease/anti-seize lubricant and the protective receiver tube caps (7) install over the clevis frame receiver tubes.