



PARTS & INSTALLATION INSTRUCTIONS
MDII™ and EZ MOUNT PLUS™
SNOW PLOW MOUNTING 17163
2008 & Later FORD F250 thru F550
4x4 MODELS
Snow Plow Preparation Package 86M

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

SAFETY DEFINITIONS

	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:

	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.

	Read the Meyer Owner's Manual before operating or servicing a snowplow. FOLLOW THESE INSTRUCTIONS EXPLICITLY.
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GENERAL INFORMATION

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

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

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.

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PARTS LIST

ITEM	PART NO.	QTY.	DESCRIPTION
	17163	1	MOUNTING CARTON
1	19808	1	• R.H. Side Assembly
2	19809	1	• L.H. Side Assembly
3	19807	1	• Rear Brace Weldment
4	19805	2	• Strap
5	19821	2	• Handle Bolt (16") 3/4-10 x 2-1/4" Gr.5
6	19823	2	• Handle Bolt (8") 5/8-11 x 2" Gr.5
	08135	1	• Hardware Bag
7	20096	22	•• Bolt H 1/2-13 x 1-3/4" Gr. 5
8	20141	4	•• Bolt H 5/8-11 x 2" Gr. 5
9	20307	22	•• Locknut ESNA 1/2-13
10	20309	6	•• Locknut ESNA 5/8-11
11	20310	2	•• Locknut ESNA 3/4-10
12	20357	2	•• Flatwasher 5/8"
13	20359	12	•• Flatwasher 3/4"
*	19370	1	Universal Clevis (Part of Plus CLF Carton)
**	11770	1	Universal Clevis (Part of MDII CLF Carton)
11" SAF		15" SAF	MEYER
	PART NO.	PART NO.	QTY. DESCRIPTION
	16515	16516	1 Sector A-Frame Carton
DIAMOND			
	81504		1 Common Attaching Kit
	81026		1 Push Frame

CAUTION

CAUTION: To avoid harm to vehicles electrical system always disconnect battery before beginning installation.

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

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

NOTE:

THIS MOUNTING CARTON CAN BE USED WITH THE MDII OR EZ MOUNT PLUS CLF CARTONS.

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

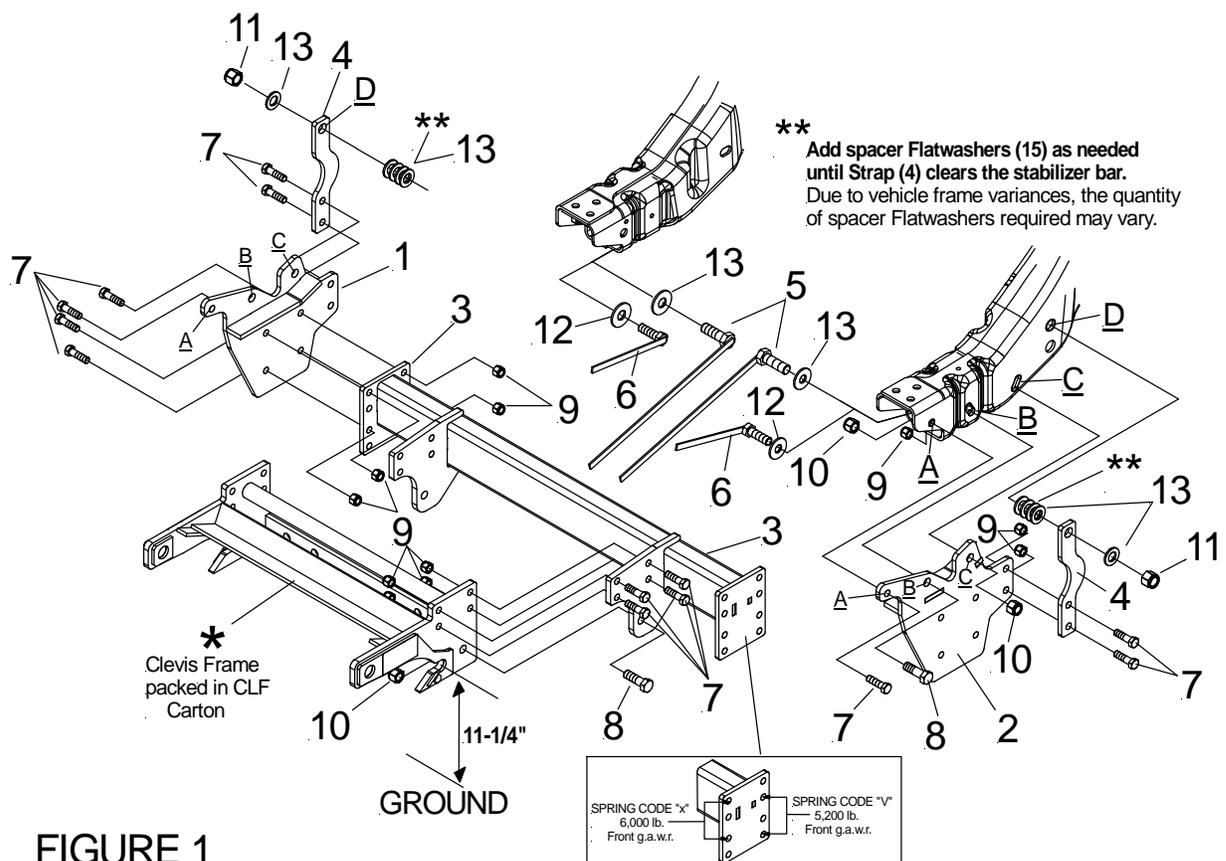


FIGURE 1

VEHICLE RECOMMENDATIONS

WARNING

- A ballast weight may be required to prevent front GAWR overloading. If required, ballast must be securely attached at least 18 inches behind the rear axle.
- Front end wheel alignment and headlight aim may require readjustment after installation of equipment, and is the responsibility of the equipment installer. Failure to adjust front wheel alignment may cause premature uneven tire wear. If required, reset to chassis manufacturer's specifications found in the Ford Shop Manual.
- Rear ballast is determined by weighing a vehicle's front and rear axles and adding weight behind the rear axle until front axle weight is under or equal to the vehicle specific front GAWR while not exceeding the rear GAWR and GVWR.
- Vehicle option packages may vary. If in doubt, it is always a good idea to weigh the vehicle to ensure all weight ratings are not exceeded with plow in the raised position.

INSTALLATION INSTRUCTIONS

- A.** Remove bumper and retain Hardware. They will be reused.
- B.** Position L.H. Side Assembly (2) onto driver's side of vehicle frame aligning the top three holes in Side Assembly (2) with existing holes in vehicle frame. Attach Side Assembly (2) to vehicle frame at hole (A) using 1/2-13 x 1-3/4" bolt (7) and Locknut (9). At Hole (B) using 5/8-11 x 2" bolt (8) and Locknut (10). At Hole (C) using Handle Bolt (6), flatwasher (12) and locknut (10). Per illustration. **Snug all bolts during installation. Do not tighten at this time.**
- C.** Follow same procedure when mounting R.H. Side Assembly (1) to passenger side of vehicle frame.
- D.** Position top hole in L.H. & R.H. Straps (4) to Hole (D) on both the driver and passenger side of vehicle frame. Attach strap (4) per illustration using Handle Bolt (5), flatwasher (13) to inside of frame rail. Space out strap (4) using flatwashers (13) behind Strap (4), and locknut (11). **See ** note on Figure 1. Snug all bolts during installation. Do not tighten at this time.**

- E.** Attach lower holes of the L.H. & R.H. Straps (4) to L.H. and R.H. Side Assembly (1 & 2) using 1/2-13 x 1-3/4" bolt (7) and locknut (9). **Snug all bolts during installation. Do not tighten at this time.**
- F.** Position the Rear Brace Weldment (3) between the L.H. & R.H. Side Assembly (1 & 2). Attach Rear Brace Weldment to Side Assemblies (1&2) using 1/2-13 x 1-3/4" bolt (7), locknut (9). **Snug all bolts during installation. Do not tighten at this time.**

REAR BRACE WELDMENT (3) CAN BE ADJUSTED UP OR DOWN between Side Assembly (1&2).

Match vehicle Spring Code Information with hole locations in figure 2. Information on Spring codes can be found in the lower right hand corner of tag located in the driver's side door jam. Example: V/B or X/B.

NOTE: 2011 & later Diesel equipped vehicles may need to use spring code X mounting location to avoid interference with vehicle power steering cooler.

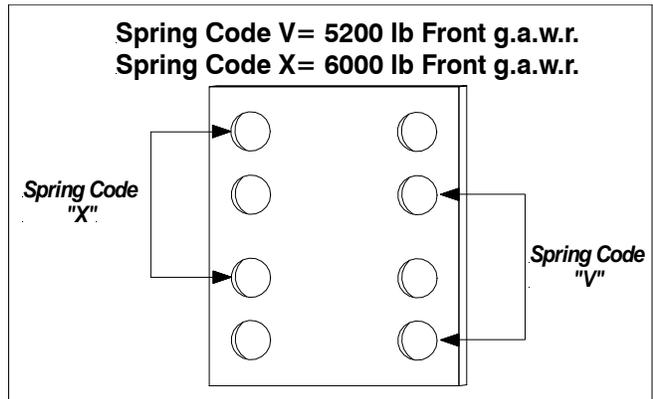


FIGURE 2

- G.** Position Clevis Frame (*) between Rear Brace Weldment (3). Attach Clevis Frame (*) using 1/2-13 x 1-3/4" bolt (7), locknut (9), 5/8-11 x 2" bolt (8) and locknut (10).

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