






PARTS & INSTALLATION INSTRUCTIONS EZ MOUNT PLUS™

SNOW PLOW MOUNTING 17178

2010 & LATER (non-North American) FORD RANGER 4x4 MODELS 2010 & LATER MAZDA BT 50 4x4 MODELS



End user must be given this instruction sheet prior to delievery 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.
	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.

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
	17178		MOUNTING CARTON
1	10000	1	RH Side Member
2	10001	1	LH Side Member
3	10010	1	Under Frame
	08274	1	• HARDWARE BAG
4	20096	8	• Bolt H 1/2-13 x 1-3/4" Gr. 5
5	20139	4	• Bolt H 5/8-11 x 1-1/2" Gr. 5
6	20307	8	• 1/2-13 Locknut
7	20309	4	• 5/8-11 Locknut
8	20329	4	• 1/2" Lockwasher
9	21257	4	• 1/2 Flatwasher SAE
10	22741	4	• Bolt H 12mm-1.5 x 40mm Gr. 8.8
*	19370	1	Universal Clevis (Part of Plus CLF carton)

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.

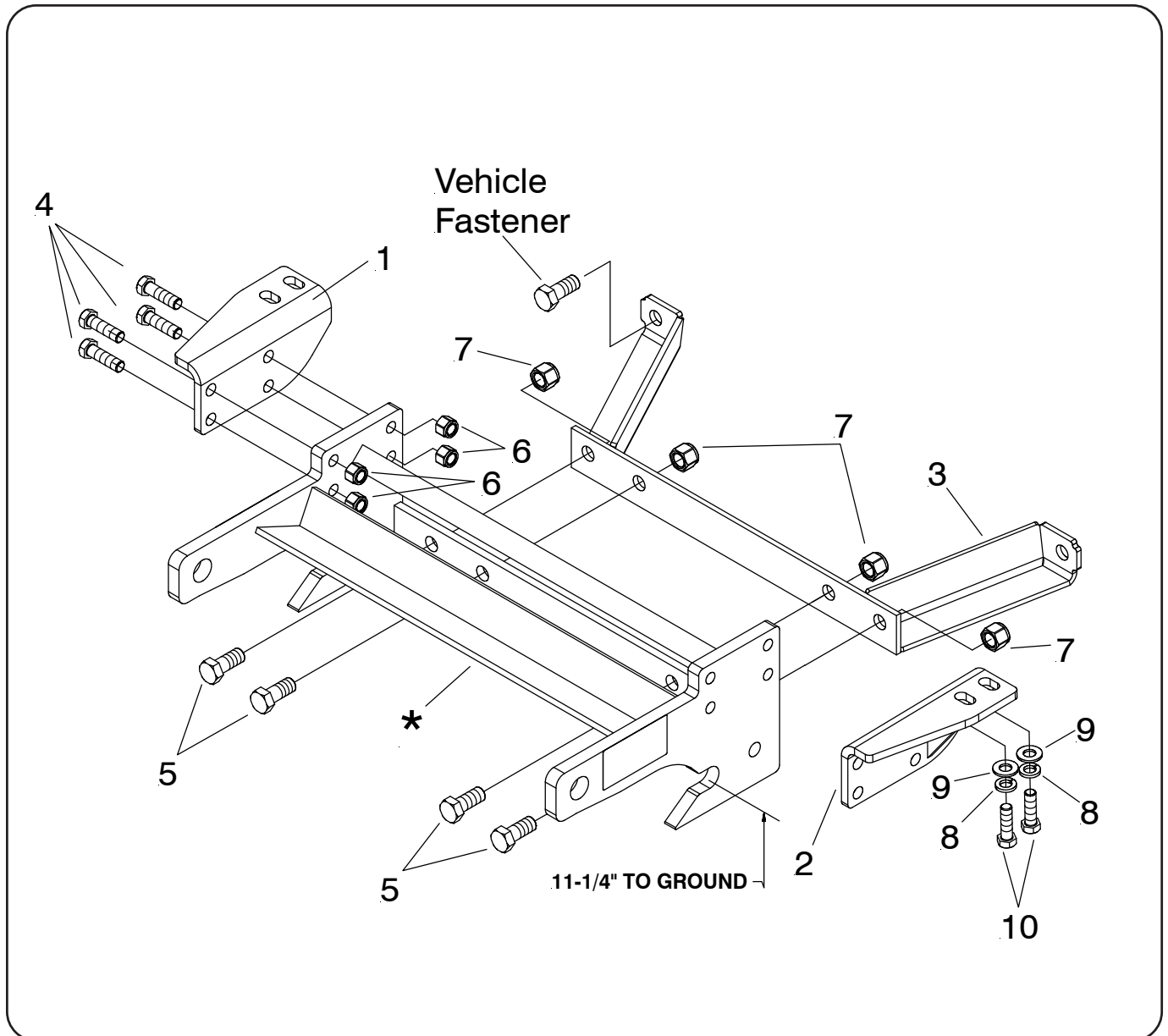
TORQUE CHART FOOT

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.



VEHICLE RECOMMENDATIONS

⚠WARNING

- Due to weight restrictions on vehicle's front GAWR, a DP/DPP 7.5 Moldboards only are recommended on vehicles.

⚠WARNING

- A ballast weight may be required to prevent front GAWR overloading. If required, ballast must be securely attached at least 24 inches behind the rear axle.

⚠WARNING

- 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 manufacture's specifications found in the Ford/Mazda 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 Tow Hooks and tow hook bolts, they will not be reused. Nut Bar inside frame will also be reused.
- B. Attach L.H. & R.H. Side Members (1&2) to the bottom of vehicle frame front two holes, using 12mm - 1.5 x 40mm bolt (10), as shown, and fasten with original Nut Bars.
- C. Attach L.H. & R.H. Side Members (1&2) to the Universal Clevis (*) using bolt 1/2-13 x 1-3/4 (4), and 1/2-13 locknuts (6) in the 4 upper holes.
- D. Remove vehicle fastener and attach Underframe (3) to vehicle with vehicle fastener. Also attach Underframe 3 to Universal Clevis (*) using bolt 5/8-11 x 1-1/2" (5), and 5/8-11 locknuts (7).

Note: before tightening the fasteners, the clevis (*) should be level with the ground and pushed back as far under the vehicle as possible.

- E. Tighten all fasteners to their proper torque. Tighten bolts in the same order they were assembled.
- F. Install remaining snowplow hardware per separate instructions.

Note: when tightening Light Brackets to Lift Frame, you should pull them forward as far as possible, to avoid interference with Ford/Mazda hood.