

## PARTS & INSTALLATION INSTRUCTIONS






### DRIVE PRO™

## SNOW PLOW MOUNTING CARTON 18524W

## 2012 & LATER FORD RANGER MK2 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.

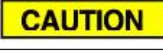

According to the NHTSA (National Highway Traffic Safety Administration) new and untitled vehicles need to be verified by the installer that snowplow and ballast (if needed) do no exceed the front/rear GAWR and total GVWR.

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

	<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.

	Warranty does not apply to a Meyer or Diamond product which has been negligently or improperly assembled or installed.
	<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.

**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
	18524W		<b>MOUNTING CARTON</b>
1	11238	1	• Crossbar
2	11239	1	• Tie Bar
	-----	1	• <b>HARDWARE BAG 18524W</b>
3	22014	8	•• Bolt H 12-1.50P x 30mm Gr. 8.8
4	22741	4	•• Bolt H 12-1.50P x 40mm Gr. 8.8
5	20336	1	•• Nut 10-1.50P
6	20330	12	•• Nut 12-1.50P
7	20337	5	•• Spring Washer 10mm
8	20334	12	•• Spring Washer 12mm
9	20349	1	•• Flatwasher 10mm
10	22013	2	•• U-bolt 18524W
11	22015	1	•• Bolt H 10-1.50P x 110mm Gr. 8.8
*	19836	1	<b>Universal Clevis (Part of DP CLF carton)</b>




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.

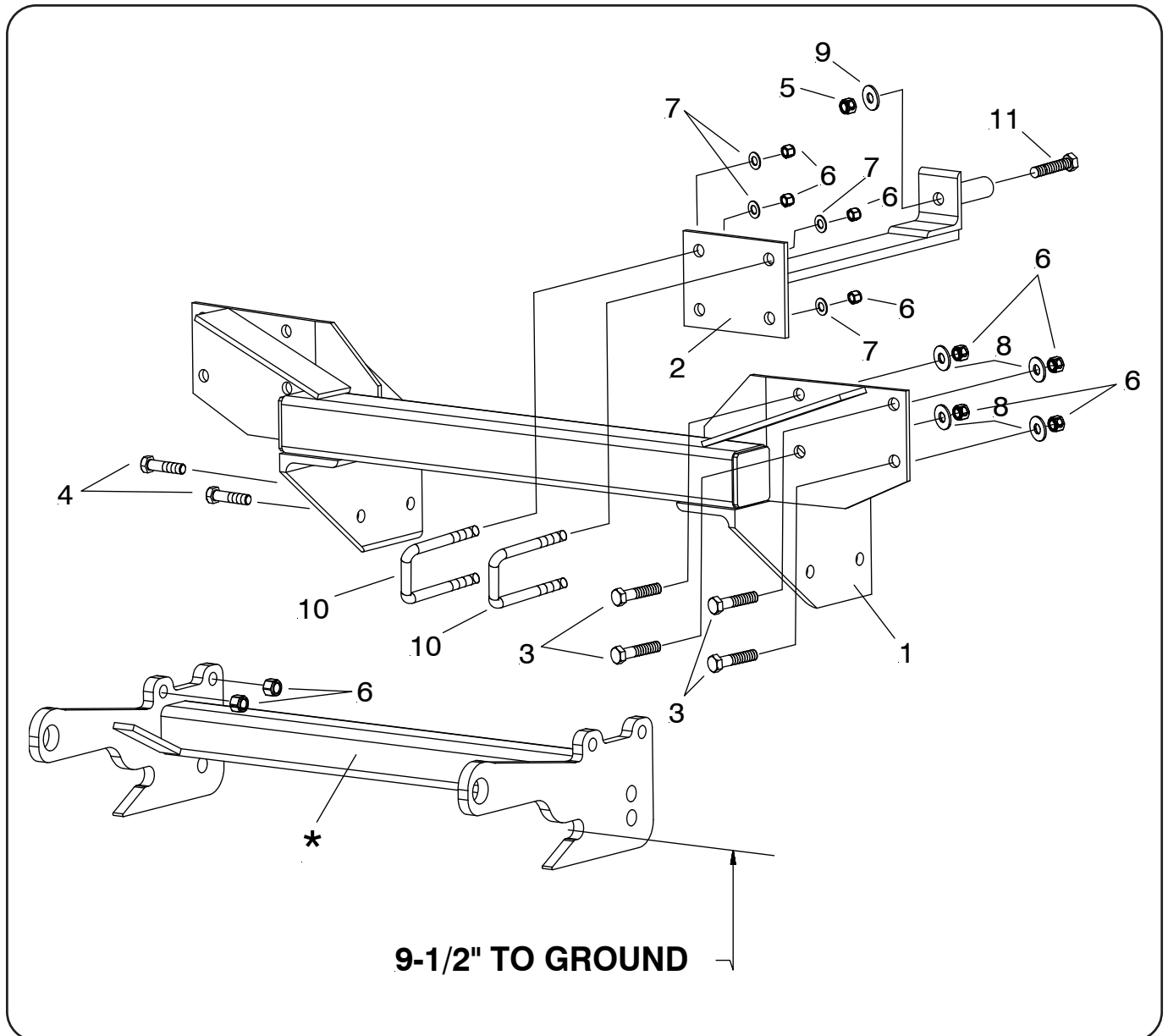
Locknuts are furnished **DO NOT** tighten bolts and nuts until installation is complete (unless otherwise specified), then be sure to tighten all attaching parts per specified torque chart.

## 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

## NOTE:

THIS MOUNTING CARTON CAN BE USED WITH THE DRIVE PRO MOUNT CLF CARTONS.



## VEHICLE RECOMMENDATIONS

### **⚠WARNING**

- Due to weight restrictions on vehicle's front GAWR, a DP/DPP 6.8 or 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 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 lower bumper skirt trim at 6 off torx screws. Remove metal sump guard at 4 off M10 bolts. Remove front grille and radiator cover at 5 off press studs along top (2 are hidden under plastic in corners). Release grille from bumper by depressing 5 plastic clips along lower edge of grille. Remove bumper at 1 off 8mm tip screw and 4 off plastic screws in each wheel arch, 4 off 6mm bolts on bottom edge, 2 off 6mm bolts with beam and 4 off press studs on top edge. Remove front crash beam and foam support.
  - B. Attach Crossbar to chassis end plates using Bolts H 12-1.50P x 30mm (3), 12mm Spring Washer (8), and Nut 12-1.50P (6).
  - C. Attach Clevis (\*) to LH & RH Side Members (1 & 2) using Bolts H 12-1.50P x 40mm (4), 12mm Spring Washer (8) and Nut 12-1.50P (6).
  - D. Insert Tiebar (2) bush through center hole in chassis crossmember and attach with Bolt H 10-150P x 110mm (11), 10mm Flatwasher (9) and 10-1.5P Nut (5). Attach opposite end of Tiebar (2) to Crossbar (1) using U-bolt (10), 10mm Spring Washer (7) and 12-1.50P Nut (6).
- Note: before tightening the fasteners, the clevis (\*) should be level with the ground and pushed back as far under the vehicle as possible.**
- E. Refit bumper as above. Sump guard may be cut to fit around clevis or left off. Lower bumper trim, bumper beam and foam support should be retained and handed to customer.
  - 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 Iveco hood.**

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