# MARLON.



# Marlon Xplore II / Xplore Pro II Installation & Assembly Instructions

Marlon Recreational Products <u>www.marlonproducts.com</u>

## 1-800-663-7367 INSTALLATION INSTRUCTIONS:

1. Remove the ramp from underneath the deck to lighten the deck's weight.

2. With the assistance of 2-3 others, lift the deck into the back of the truck (approx weight is 375lbs without the ramp)

3. Place 4 Deck Levelling pads (part # 320-0021) under each leg(may need to be trimmed to fit certain truck beds). This will spread the weight of the deck over the Truck box ribs & allow you to adjust the height of each leg in 5mm increments.





4. Square the deck in the truck box – be mindful that most truck boxes are not square and will taper in the rear. Usually align center of headache rack to center of cab rear window.

5. Drill a pilot hole through the center of the deck leg mounting hole, plywood and the truck box – be careful to not drill through any fuel lines.

6. Providing that a pilot hole has clearance underneath the truck, follow the pilot hole with a  $\frac{1}{2}$  drill bit.

7. Install a 1/2'' zinc flat washer (the smaller flat washer) onto a  $1/2'' \ge 1/2''$  zinc plated grade 8 bolt. Thread the bolt through the deck leg, plywood, and truck box.

8. On the underside of the truck, install the 1/2" lock washer & backing plate onto the bolt from above.

9. Repeat steps 5-8 on other 3 deck legs.

10. You may run the wire harness to the back of your box under the tailgate behind the bumper & into your trailer plug in.

Note: For Permanent Light Hook Up

10a. Remove the left rear light assembly from your truck.

10b. Cut the trailer plug off of the wire harness & thread the bare ends through the access hole in the truck box.

10c. Ascertain which light is the tail-light & which is the break light (turn marker lights on, taillight bulb will light up).

10d. The deck lights are as follows white is ground, brown is your running lights and green is the rear brake light.

10e. Using quick connectors or solder, tap into tail lights, wiring, paying attention to (+) & (-) polarity.

10f. Use electrical tape or shrink on connections and replace the rear light assembly.

11. Under deck & Headache Rack light switch is located at the rear on the inside of the back tube frame on the right.

Note: The white wire on the LED light bar needs to be connected to the reverse light wire. We recommend having a certified auto electrical tech, solder it to the wire behind the left rear taillight.

#### **STORAGE OF THE RAMP**

During transport and storage, your snowmobile/ATV ramp will store in a pocket underneath the surface of your Marlon Truck Deck. This preserves most of the cargo carrying capability of your truck box.

## SECURING EXTENDABLE SIDES

**WARNING:** Failure to secure the extendable sides with the provided quick clips may result in injury.



Back clip + lock



Front clip

Make sure to lock & secure sides in the holes provided in the extended version as well.

#### ASSEMBLY INSTRUCTION'S \*YOU SHOULD HAVE THE FOLLOWING IN THE HARDWARE KIT PROVIDED\*

#### QTY / SIZE / LEGNTH / DESCRIPTION / DECK LOCATION

24	11/16″	1″	Carriage Bolt	R+F Leg Plate
24	11/16″	N/A	Flat Washer	R+F Leg Plate
24	11/16″	N/A	Nylock Nut	R+F Leg Plate
8	3/8″	1″	Hex Head	Ramp Rail
8	1/2"	N/A	Nylock Nut	Ramp Rail
16	3/8″	N/A	Flat Washer	Ramp Rail
3	1/2″	3″	Carriage Bolt	H. Rack
3	1/2″	N/A	NY-Lock Nut	H. Rack
6	7/16″	N/A	Flat Washer	H. Rack

#### **Install Kit**

4 - 3/4" x 3 3/4" Carriage Bolt

4 - 1/2" Washers

4 - Threaded Backing Plates

#### **Tools required:**

3/16" drill bit and drill 11/16" wrench or socket and rachet or impact 3⁄4" wrench or socket and ratchet or impact Rubber Hammer Measuring Tape Sharpie

#### Front and Rear Leg 7ft and 8ft Deck Installation

The 7ft decks uses both front and rear legs with the small foot pads. 3" X 4" See top picture The 8ft decks use both front and rear legs with the larger foot pad. 6" X 6" See bottom picture



## DECK ASSEMBLY INSTRUCTIONS FRONT LEG MOUNTING

\*Start with the deck in the upside-down position\*front leg mounting (note left hand and right hand front leg)

\*Plates on leg face middle of the deck\*

1. On the rear of the leg there are turn buckle mount brackets. Make sure these face the rear of the deck.

2. Align the front leg mounting plate 1 1/2" back from the front edge of deck on capture channel. With a marker, make a mark on channel at each hole location, remove leg.

3. Place 6 - 11/16 x 1" carriage bolts into channel, one at each mark. Place leg on channel over bolts.

4. Place an 11/16" Flat washer then an 11/16" nylock nut onto each carriage bolt and tighten.

#### DO NOT OVER TORQUE THE NUT.

5. Repeat steps 1-4 for the other front leg



## **REAR LEG MOUNTING**

1. Place rear leg mounting plate on capture channel. With the turn buckle mounting brackets facing the front of the deck (note the front and rear leg turnbuckle mounting brackets should be facing each other). Make sure ramp rail is inside ramp rail on deck.



2. Align holes in leg ramp rail with those in deck ramp rail to long or short box position (depending on application) Mark the location of leg mounting plate holes on channel with marker, remove leg.

3. Place  $6 - \frac{11}{16''} \times 1''$  carriage bolts into capture channel. One at each mark, place leg on channel over bolts

(For short box application, place leg over bolts in long position then slide leg and bolts up channel to align ramp rail holes)

4. Take 4 -  $3/8'' \times 1''$  hex head bolts and 4 - 3/8'' washer and put them together then, from the middle out place them through the ramp rail, secure them with another 3/8'' washer or 1/2'' nylock washer on the outer side of the ramp tray channel and tighten.

5. Place an 11/16" flat washer then an 11/16" nylock nut onto each carriage bolt and tighten

#### Check the side stop bolts at this time as well, they should be snug

#### DO NOT OVER TORQUE THE NUT



Long box

Short box

## HEADACHE RACK ASSEMBLY \*FLIP THE DECK OVER\*

1. Mount headache rack in position in front of deck.

2. Align the two holes in the front of the deck frame with match-drilled holes in Headache Rack base.

3. Install a 7/16'' flat washer onto a  $1/2'' \times 3''$  bolt, work bolt from top down into aligned deck frame/headache rack.

- 4. Install a 7/16'' flat washer and 1/2'' nylock nut onto the  $1/2'' \times 3''$  bolt and tighten.
- 5. Repeat on other side of headache rack.
- 6. Repeat bolting process at the end of the headache rack gusset (in center of headache rack)



**Center Bolts** 

End Bolt

## **Installation of Superclamp Deck Hooks**

Note: the 2 front Superclamps that come with your sled deck come in a brown box marked "No deck hook"

Every deck requires 3 superclamp deck hooks to be installed. There are 2 lengths, 1-4 inch and 2-2 inch. The 4 inch goes in the centre hole and the 2-2 inch go in the outside holes.

See pictures below



## Superglide lengths and position on Decks

Note: the super glide cut outs are now different from both the 7 and 8ft decks, the 7ft deck cut-out is 6inches from the top and the 8ft is 9 inches from the top. Please keep this in mind as there is less cutting of the glides required.



The Superglides on the 7ft deck need to be cut in half to fit properly.

On a 7ft deck you will need to cut 1 wide glide (13 1/2'' wide) in half, this will give you 2 usable pieces at 14 3/4''. One pieces for each wing. You will also need to cut 2 regular glides (8 1/2'' wide) in half, this will give you 4 usable pieces at 14 3/4''. One pieces will be used for each of the 4 middle rows.

On a 8ft deck you do not need to cut any glides.

This will give the required lengths to match up the bottom row of glides flush with the very bottom end of the deck top. And the top row of glides with the superclamp deck hook openings. Then center the middle row of glides so that the gap at both end even, top and bottom. See pic below



# **Installation of Superglides and Extrusion on Deck**

#### Preparation for install for 7'and 8' decks:

Each deck that requires 6 rows of Superglides will need to have 10 pieces of extrusion installed as well as either 15 or 18 pieces of Superglides. The extrusion pieces will be either 75" (part # 320-0047) S/B truck or 89". (part # 320-048) L/B truck. 2 extrusion pieces will have to be cut at a 90-degree angle to allow for the Superglides that go over the opening for the Superclamp anchor on the wings. You will need to make **two** 90 degree cuts per piece. For the 7' deck first cut at 5" from one end, then cut off 3.5 inches off the long piece and disregard it. For the 8' deck first cut at 7.5" from one end, then cut off 3.5 inches off the long piece and disregard it. See picture below for the cuts.



#### Install the Superglide extrusion as follows:

The 2 pieces of Wide Superglides that go on either wing slide into the deck side rail, then slide the extrusion over the inside edge of the Superglides. The long piece goes towards the back of the deck and the small 6-inch or 9 inch pieces goes to the forward side of the Superclamp anchor position. See pictures below





Note this years decks have a 45 degree finished deck. So make sure to line up the superglide with the top edge of the decking.

The middle 4 rows can now be slid together and placed on the deck. It is crucial that the middle 2 rows be spaced properly. They need to be exactly 1" apart from the edge of the extrusion. This is so at any point forward you could add a center strip of supertrac and it will fit exactly as the picture. See picture below.



The other two inside rows can be installed with the outer edge of the glide extrusion spaced <sup>1</sup>/<sub>4</sub> to the inside of the outer wing edge. See picture



#### The rivet pattern for the extrusion should go as follows:

Measurement taken from the back edge of the deck top. 7ft deck the 2 outside rows that go over the Superclamp anchor.  $1'' 18 \frac{3}{4}'' 37 \frac{1}{2}'' 56 \frac{1}{4}'' 65'' 70'' 74''$ 

7ft deck the other 8 pieces of Superglide extrusion. 1" 18  $\frac{3}{4}$ " 37  $\frac{1}{2}$ " 56  $\frac{1}{4}$ " 74"

8ft deck the 2 outside rows that go over the Superclamp anchor. 1" 21  $\frac{1}{2}$ " 43" 64  $\frac{1}{2}$ " 76" 81  $\frac{1}{2}$ " 85"

8ft deck the other 8 pieces of Superglide extrusion. 1" 21  $\frac{1}{2}$ " 43" 64  $\frac{1}{2}$ " 85"

#### The rivet pattern for the Superglides themselves.

Put 2 rivets in the top end and bottom of the wide glides 13 1/2" (middle and inside leave out the rivet that could go by the side rail). Also put 2 rivets in the top and bottom edge of the regular glides 8 1/2" as seen in the picture above. The gap between the glides will be approx. <sup>1</sup>/<sub>2</sub>". The wide glides should get a rivet in the middle at the ends to keep them from bowing up. See Picture below



<u>8ft Deck</u>



#### Installing the Supertrac in the side rail extrusion.

Slide the appropriate length supertrac in to the side rail either 7 or 8ft piece. Slide it in from the rear of the deck until it is <u>exactly 3"</u> in from the end of the side rail. This is measurement is crucial. Going forward if there is ever a deck extension added, the mounting hardware only works if this measurement is correct. See picture below.



Safety Clip Placement

#### **TELESCOPIC RAMP USAGE AND SAFETY INFORMATION**

There are three length ramps 8.5′, 10′ and 12′ all are telescopic and must follow the following in order to be safely used. There is also 16″ wide X 8.5′, 10′ and 12′ folding side by side ramps that attach to the standard ATV/Snowmobile ramp on the right side in order to safely load side by side units. The standard ramps are rated for 1,500 lbs capacity and the side by side ramp is rated for 600 lbs capacity when used properly as described below.

First pull your ramp out of the ramp tray underneath the deck. Hook it onto the rear loading bar and make sure the safety latches are down in order to stop the ramp from pushing off the loading bar when loading. See the following pictures.



Pull telescoping ramp out and set down on level ground. Make sure the deck ramps are used on an angle shifting the weight to the ground it has not been designed to be used as a bridge if it is used this way the ramp could fail or may result in not being able to telescope back into the retracted position.

Secure safety pin so that telescoping ramp does not retract when loading or unloading. **WARNING:** Failure to pin and secure the ramp in the fully pulled out position may result in injury and or damage.



#### **DECK EXTENSION INSTALLATION**

1. Check to make sure you have all the hardware shown below.



2. Then mount the extension swivel plate to the adjustable supertrac bracket as shown use flat washer and lock washer leave bolt loose.



3. With the help of another person lift the extension up and sit it on the back-loading bar of the deck.

4. Now place the deck extension swivel plate with the adjustable supertrac bracket on the trac

so that the hole on the swivel plate is slightly ahead of the hole in the extension arm. Push the supertrac bracket into the trac and pull back to lock it in place.

5. Then place the bolt through the swivel plate into the back part of the supertrac secondary bracket. Place a washer on the quick release bolt and slide it through the extension and then through the rubber washer and through the swivel plate. Place the outside washer on the bolt and secure with the "R" pin as shown below.



6. Follow the same process for the opposite side.

7. Once both sides are attached tighten the bolts holding the swivel plate to the adjustable supertrac.

8. Place two U-bolts in place from the bottom of the deck up through the deck extension flanges and fasten to secure the extension to the rear of the deck as shown below.



9. Unplug the rear brake light on the deck wiring and plug the wiring harness into the deck extension plug. Note wiring may have to be pulled out of rear frame to expose the plug.

**IMPORTANT DIRECTIONS** – In order to pull out the sides with the deck extension it is best to pull the "R" pin and pull the deck side and extension sides out individually.

You have now added 22" s to the length of your deck great for side by side and some of the new long track sleds. Also comes with the running and brake light at the end of the deck for added safety.





#### Sticker placement : side and headache rack

#### This is the standard: Please ensure stickers are level

Both large MARLON side stickers have to be put on over the rear marker lights, this is easily done by first removing the light completely. Applying the stickers and then replacing the light.

<u>Note</u> the position of the light on the driver's side where it is centered in the "O" and on the passenger's side where it is centered in the "A".



The small rear facing headache rack sticker goes on the passenger's side.

**Note:** the sticker gets centered between the outside bullet lights in the headache rack.



Placement of the Xplore II and Xplore II Pro, as follows:

Line up the II with the led light on the passenger side and the X with the LED light on the drivers side



#### **ADDITIONAL IMPORTANT SAFETY INFORMATION**

Deck must be securely anchored to the vehicle by one bolt through **EACH** deck leg and the truck box bed. Inspect your deck monthly for loose connection.

Deck is approximately 450 lbs including ramp.

Deck, load and vehicle must not exceed GVW of vehicle.

#### Maximum deck load, evenly distributed is 2,000 pounds.

Skewed uneven loads reduce capacity.

Ensure front and rear of load is securely attached to deck prior to vehicle start-up.

# Loading Ramp(s) are not designed to be used as a bridge and cannot sustain the loading weight if used this way.

**Make sure** safety pin in secured in place to stop the telescopic ramp from moving inward before loading or unloading.

Before traveling with the Deck Extension in the forward unused position make sure it is tied down with the strap provided.

To purchase replacement parts (install kit, LED lights, Side by Side ramp, Deck leveling kit etc) Contact your dealer or Marlon Recreational Products directly at 1-800-663-7367.

### To view other great Marlon products, visit our website.

www.marlonproducts.com

## Marlon Recreational Products Proudly serving you from:

Chilliwack, BC Office 1-800-663-7367 Stony Plain, AB Office 1-855-962-5500 St. Andrews, MB Office 1-855885-9150 Tacoma, WA Office 1-866-930-9411



# **MARLON TRUCK DECK FIT GUIDE**

FORD	D ATDK-08 (6.5'-8') ATDK-07 (5.5'-7')				8.5' RAMP		10' RAMP		12' RAMP		2' DECK			
EXTEN	SION F	350/F25	60											
8'	Y	Ν	Y	Y	Y	Y 7'	Y	Y	Y	Y	Ν	Y 6.5'	Ν	Y
Y	Y	Ν	Y 5.5'	Ν	Y	Y	Ν	Ν	Y					
GMC/	CHEVY													
3500/2	2500													
8'	Y	Ν	Y	Y	Y	Y 6.5'	Ν	Y	Y	Y	Ν	Y 5.8'	Ν	Y
Y	Ν	Ν	Y											
GM15	00													
8'	Y	Ν	Y	Y	Y	Y 6.5'	Ν	Y	Y	Y	Ν	Y 5.8'	Ν	
Ν	Y	Ν	Ν	Y										
DODG	E													
3500/2	2500													
8'	Y	Ν	Y	Y	Y	Y 6.6'	Ν	Y	Y	Y	N	Y 5.6'	Ν	Y
Y	Ν	Ν	Y											
DODG	E1500													
8'	Y	Ν	Y	Y	Y	Y 6.6'	Ν	Y	Y	Y	N	Y 5.5'	Ν	Y
Y	Ν	Ν	Y											
τογοι	ΓA													
8'	Y	Ν	Y	Y	Y	Y 6.6'	Ν	Y	Y	Y	N	Y 5.6'	Ν	Y
Y	Ν	Ν	Y											
NISSA	N													
8'	Y	N	Y	Y	Y	Y 6.6'	Y	Y	Y	Y	N	Y 5.6'	Ν	Y
Y	Ν	Ν	Y											

It is up to the dealer and consumer to make sure of the GVWR of the truck that they are installing the deck into and what they are

loading to ensure that they remain within the truck manufacturers ratings and the legal limits for there

area. www.marlonproducts.com

#### Marlon Deck Leg Risers Part #320-0021

The optional leg risers allow the deck height to be adjusted so the gap between the deck and the truck box can be as minimal as possible. They also give better weight distribution to the truck box floor do to the larger foot print (highly recommended when installing in a truck with an Aluminum box floor). See pic below

Note: for some application the bottom shoe may need to be cut and modified to fit properly. i.e. the front left corner on some Ford trucks have a bump out for the fuel filler tube.



#### Notable Adjustment if required

Dodge short box trucks that say are 6'4" are actually only 6'2" usable space.

If installing a 7ft deck in one of these trucks in conjunction with the Marlon Deck Leg Risers part#320-0021 you will need to drill 2 holes 4 inches forward of the front holes in the ramp tray. This will allow the rear legs with leg riser to move forward enough to close the tailgate.

See picture below

