

# STRAIGHTLINE PERFORMANCE

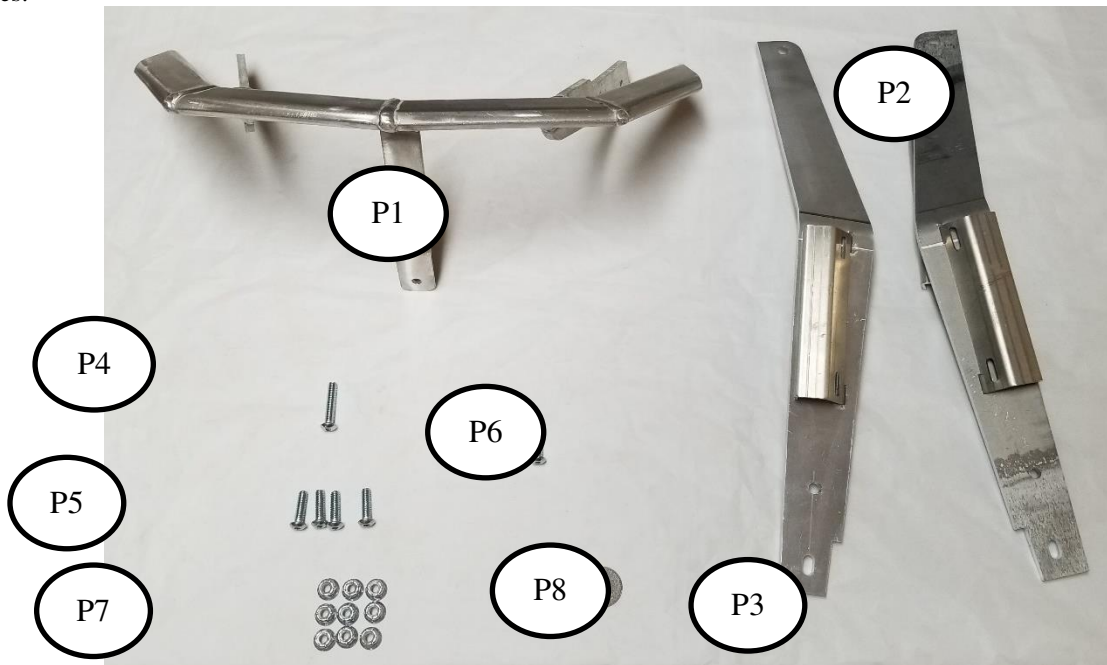
## Straightline Polaris MATRYX Sport & Rugged Series Bumper 182-118 & 182-119 (Instructions and BOM)

Install video: can be found on our YouTube channel Straightlineperfinf or links below



QR Code:

Kit includes:



P1	Top Wing		QTY 1
P2	Left Bumper Arm		QTY 1

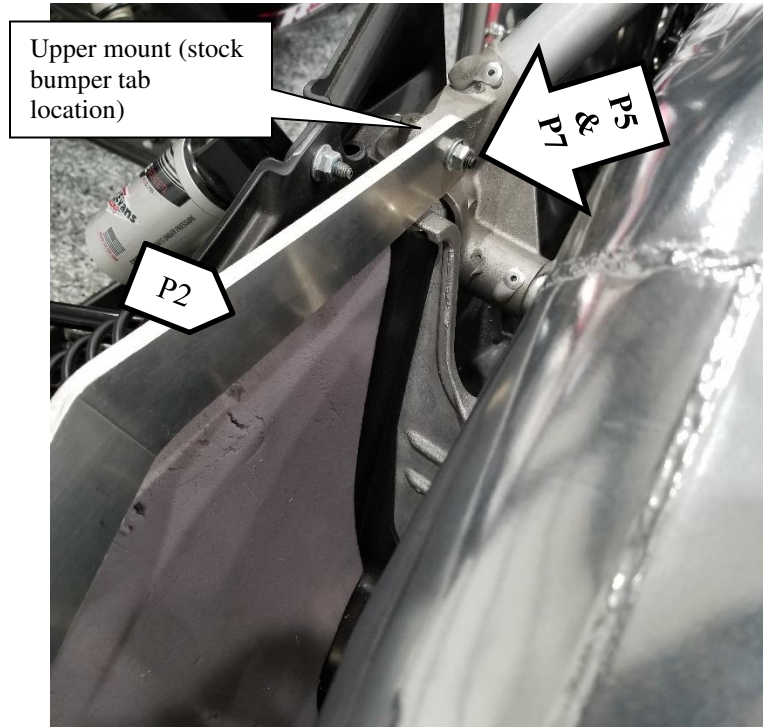
P3	Right Bumper Arm		QTY 1
P4	1 ¼" Bolt		QTY 1
P5	1" Bolt		QTY 4
P6	7/8" Bolt		QTY 4
P7	Nylock Nut		QTY 9
P8	Fender Washers		QTY 4

**DO NOT TIGHTEN  
ANY BOLTS  
UNTIL FULLY  
ASSEMBLED**

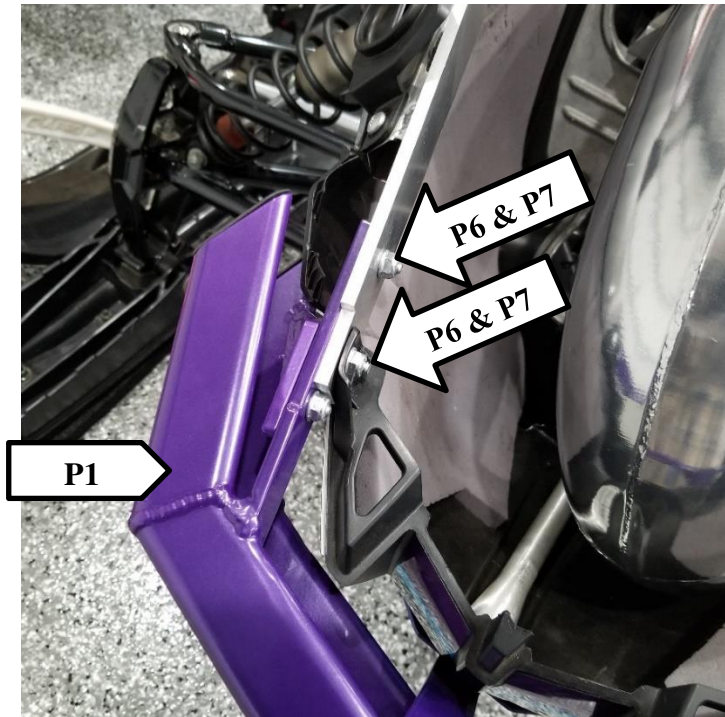
1. Remove the stock bumper by unbolting the 2 rear bolts that attach to the cross member in the stock rear mounting tab. Then unbolt the lower single bolt in the middle of the bumper. Remove bumper, then remove expansion chamber/ exhaust pipe.

Install the two Bumper Arms (P2 & P3) hardware needed (P5 Qty 2, P6 Qty 2, P7 Qty 4) The picture below shows the mounting locations of the rear mounting tab.

**\*\*\*Do not tighten any bolts until entire bumper is assembled.**

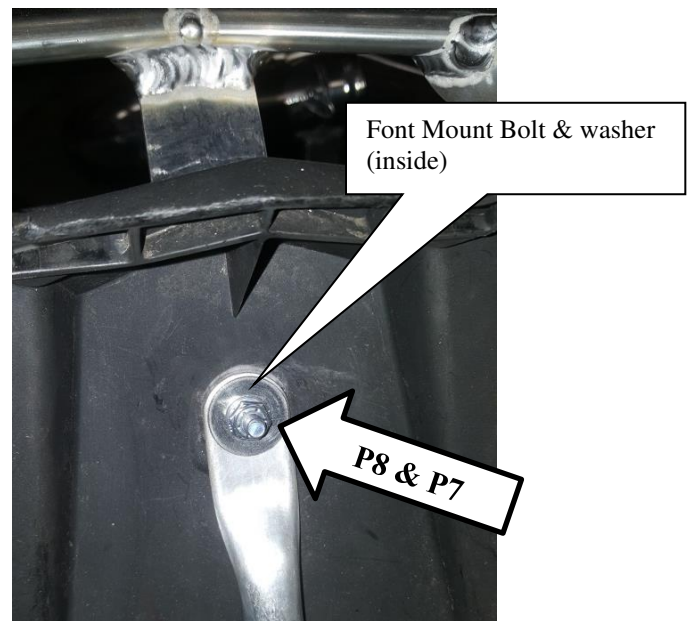
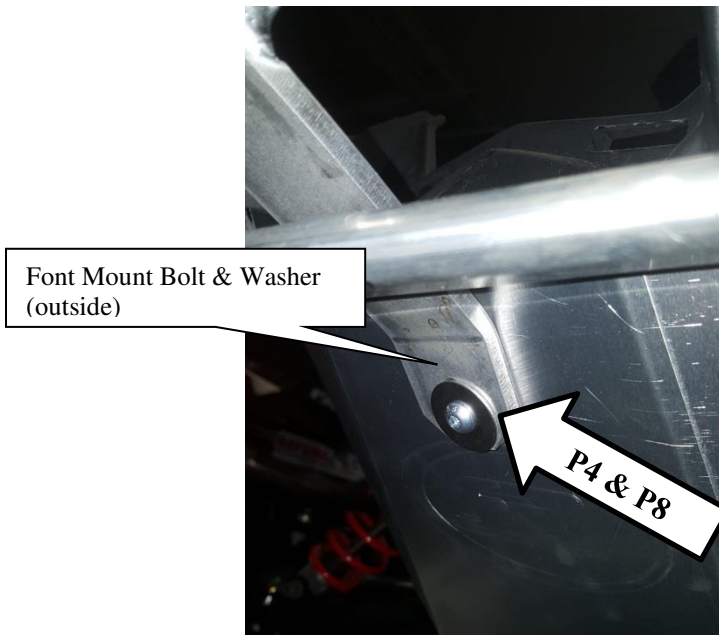


2. Install the top wing (P1) **Start with mounting rear** bolt (P6 & P7) in upper wing (P1) **If installing a bottom wing please skip to step 4** if installing single upper wing install (P6 Qty 2, P7 Qty. 2) in front holes (see picture below). Use P8 fender washers on inside of front bolt P6 on inside of plastic belly pan.

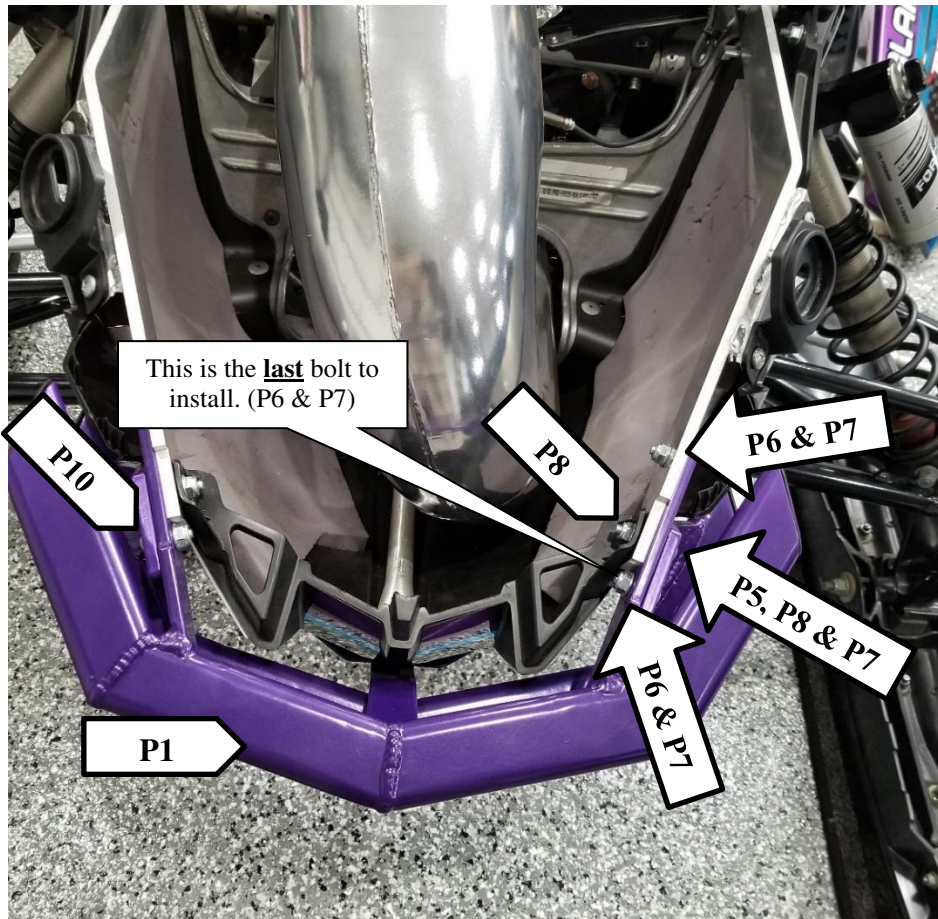
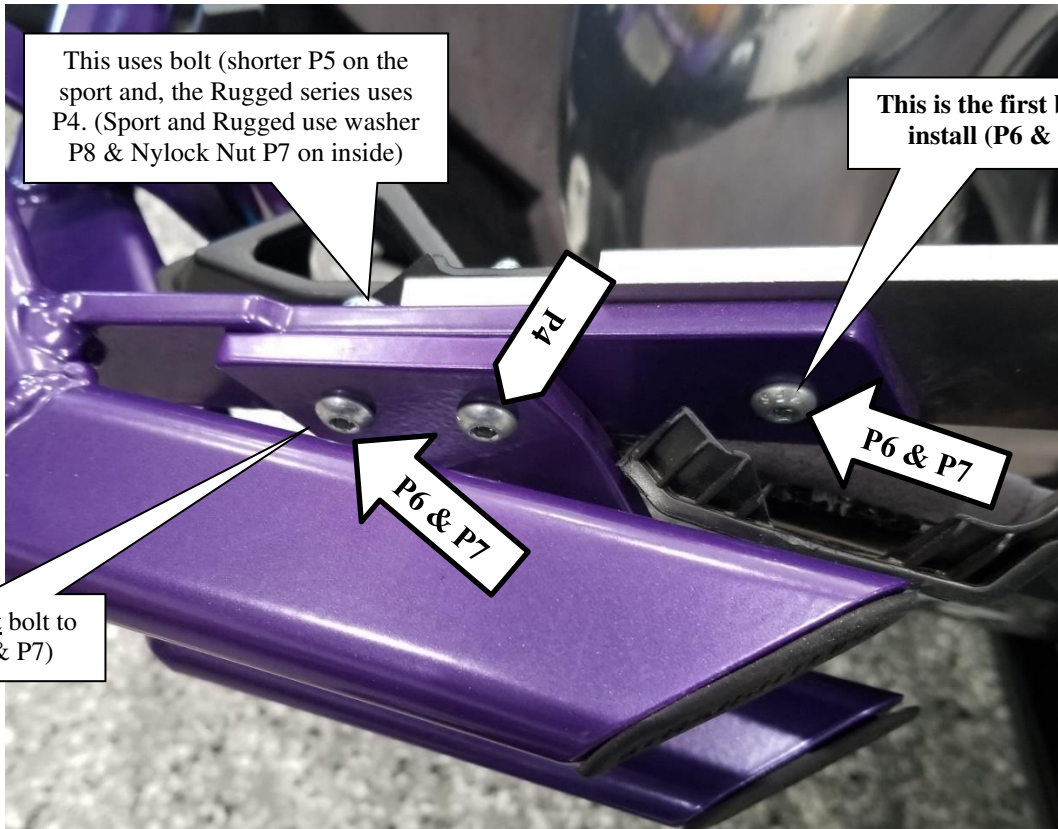


3. When installing front mount with or without skid plate, install bolt front support (P4 Qty. 1 P8 Qty 2, P7 Qty. 1) in front lower support (stock location) per pictures below.

**\*\*\*Skid plate install:** Skid Plate must mount behind bracket.



4. **Lower Wing Installation:** Install the lower wing (P10). Slide it up from the bottom and install onto the two front holes on P1. You will fasten the bottom wing using picture below for assembly. The areas that have three plates will require the longer (P4) bolts.



**DO NOT TIGHTEN ANY BOLTS UNTIL FULLY ASSEMBLED**

5. **Skid plate install:** flip machine on its side or elevate on a lift stand to gain access to rear holes on the skid plate. Drill Bottom holes (1/4" drill bit) to fit Straightline supplied hardware and mount lower skid plate. Removal of the exhaust pipe is recommended if it has not been done already.



Drill Bottom holes to install Straightline supplied hardware and mount lower skid plate. Removal of the exhaust may be required.

6. With bumper fully installed, set hood onto sled in proper position. Engage rear hood fasteners to assure hood is properly set in place. Remove plastic hood lock brackets from the left and right side of original bumper by drilling out the two rivets per side. Set the hood lock brackets in place on the left and right positions on the sled as shown in the picture below. Install rivet in rear hole position to fasten lock bracket in proper place with hood opening. Remove hood, install rivet in front position of lock bracket on the left and right side of the sled.

With hood properly located, put the plastic lock brackets in place.



Install rivet in this location first to properly align bracket with hood on both sides

### Rugged Series Fully Assembled Warranty

Be sure the Straightline Bumper Assemblies have no manufacture defects. **If the bumper has been installed there are no warranties for fitment.**

Quantity	Item #	Descriptions	In Box
1	WS-568L	Left Bumper Support Bracket	
1	WS-568R	Right Bumper Support Bracket	
1	182-118 Wing	Complete Upper Wing Assembly	
1	10200-11162	Sport Series Hardware Kit	
4	0126201	3/16 Rivet	
1		Straightline Sticker	

**Checked and Packaged By**

**Install video: can be found on our Youtube channel**

**Straightlineperfinc**

Technical questions please email [tech@straightlineperformance.com](mailto:tech@straightlineperformance.com)

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