

# STRAIGHTLINE PERFORMANCE

## Polaris MATRYX HNG Bumper 182-121, 182-124 (Instructions and BOM)

### Bumper installation instructions

1. **NOTE: You will have 2 extra M6x1.0x20mm bolts, 4 extra 6mm washers & 2 Extra 6mm Locking nuts in the kit when completely installed.**
2. Remove the stock bumper by unbolting all the bolts from the inside of tunnel and remove the entire stock bumper. Remove stock reflector above bumper on rear tunnel
  - a. The HNG bumper comes complete with all necessary hardware; **Don't use stock bolts and nuts.**
  - b. **Important!! Do Not install nuts inside tunnel. Button head bolts with washer are to be installed from the inside and nuts are to be visible /facing outwards. Failure to do so may cause damage to track.**
3. Install the HNG plugs as shown below.
  - a. Install the "main" alignment bolt at as shown below first. Install all bolts from the inside out (nuts are on the outside of tunnel) The "alignment bolt will not use a washer; do not use a washer on the inside of the tunnel.
  - b. **(Important Step) After installing the main alignment bolt, Push Side plate all the way forward and down, then mark and drill second to front hole,**
  - c. Use ¼" Drill bit to drill out the remaining holes using bolt and washer combination as shown in the final picture.
  - d. Finger tighten bolts until all the holes are completely filled.

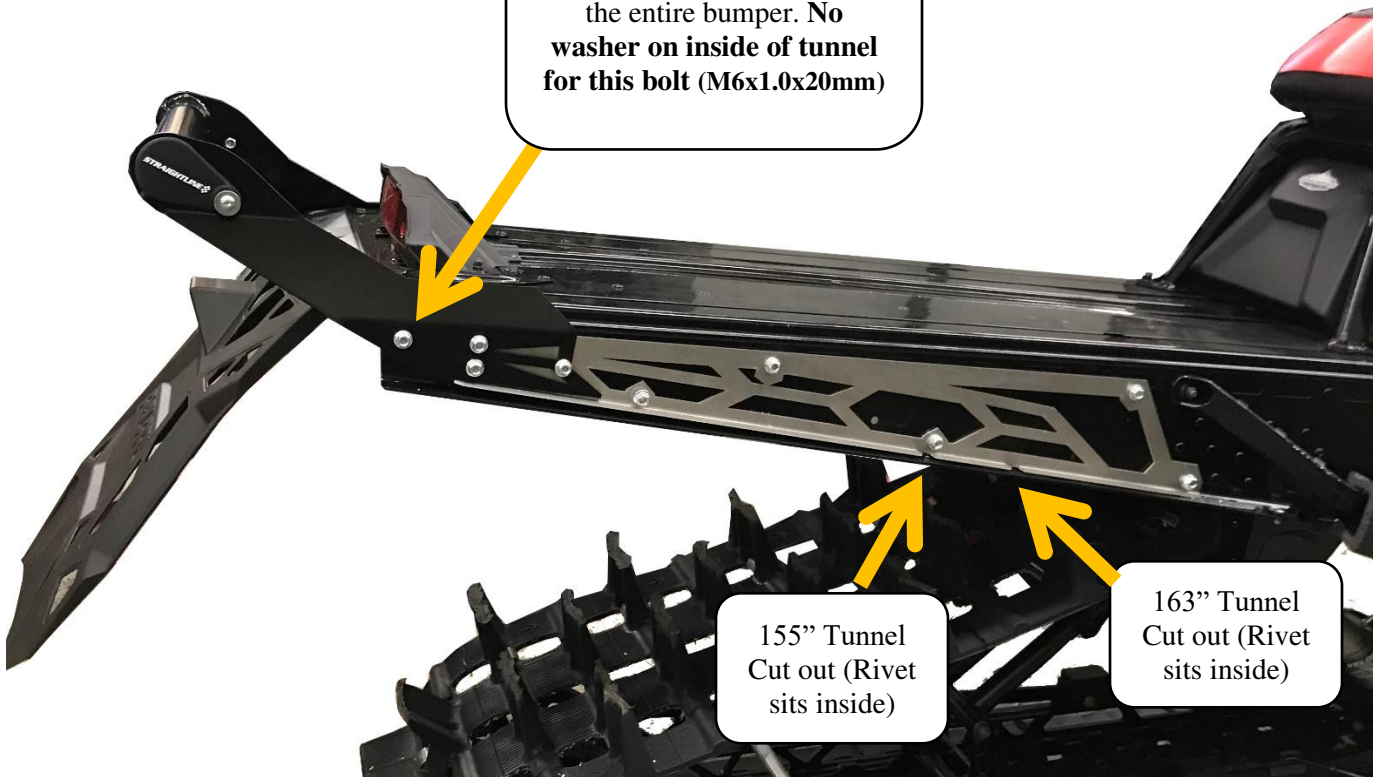
Drill/ Remove 3/16" Pop rivet  
before installation (only rivet  
with hollow center)





Install crush limiter into the center of the bumper plug. Then install a M6x1.0x20 bolt with Washer then secure with M6 Nylock nut inside to install the plug.

**Use a washer on the outside only, no washer on the inside.**



**Install this bolt first.** This is the main alignment bolt for the entire bumper. **No washer on inside of tunnel for this bolt (M6x1.0x20mm)**

155" Tunnel Cut out (Rivet sits inside)

163" Tunnel Cut out (Rivet sits inside)

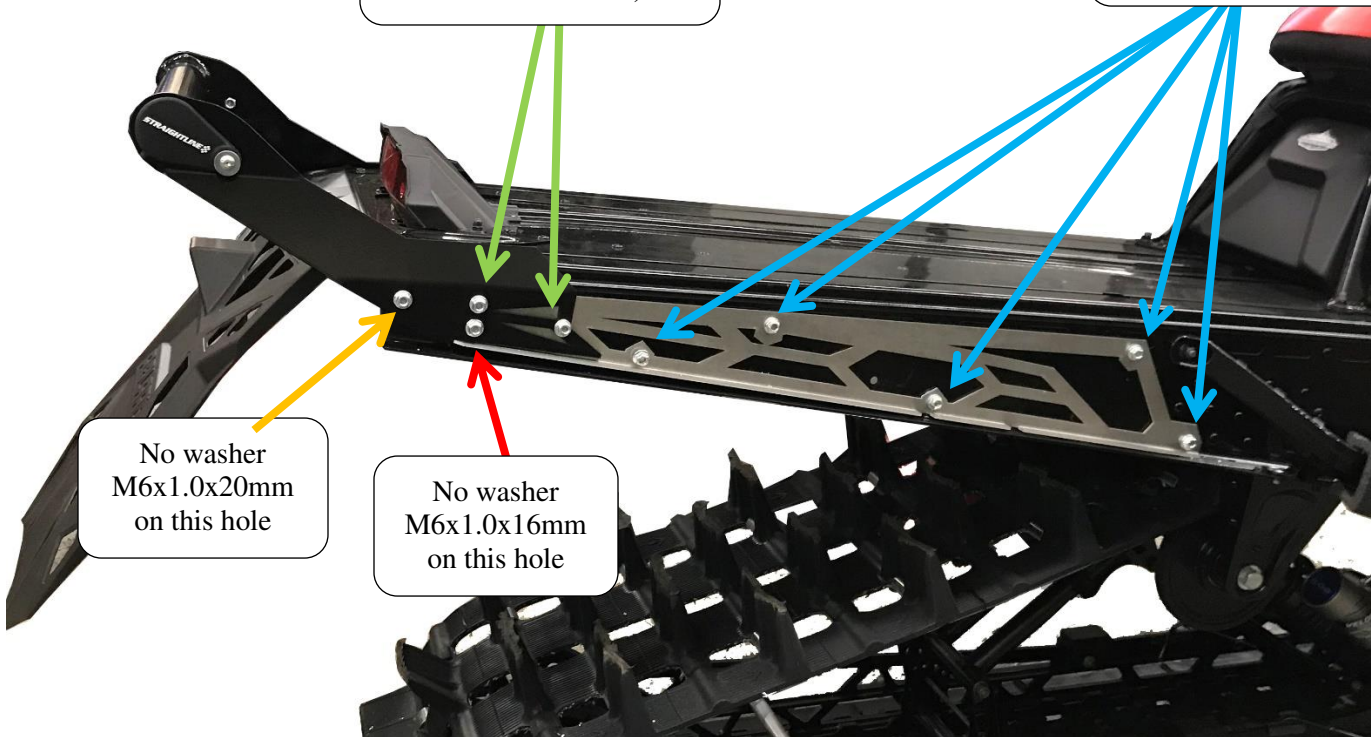
**Push bumper plate forward and down.**

Mark Second to front hole (Make sure you are not going to drill stock rivet) drill pilot hole using 1/8" or similar drill bit then drill with 1/4" or 6mm drill bit



Use the M6x1.0x20mm on these holes (install washer on inside)

Use the M6x1.0x16mm on these holes (install washer on inside)



**Use 1/4" or 6 mm drill bit to continue drilling hole locations using bumper plate as a template (install bolts finger tight as you work your way around for alignment purposes)**

# Complete installation by Tightening all bolts

## BOM Check One:

Quantity	Item #	Descriptions	In Box
1	HNGMAT155SPR	Right Tunnel Plate	
1	HNGMAT155SPL	Left Tunnel Plate	
1	IT-182-121-HND	Rear Bumper Handle	
1	HNG-Bolt Kit	Complete Hardware Assembly	
1	HNG-Plug-R	Right Rear Bumper Plug	
1	HNG-Plug-L	Left Rear Bumper Plug	
1	HNG-Bag	Complete HNG Bag	
2	240877	Bumper Plug Crush Limiter	
1		Straightline Sticker	

Checked and Packaged By

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