



Straightline Ski-Doo 850 G4 HNG Bumper (Instructions and BOM)

Bumper installation instructions

1. Remove the stock bumper by unbolting all the bolts from the inside of tunnel and remove the entire stock bumper.
 - 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 are to be installed from the inside and nuts are to be visible /facing outwards. Failure to do so may cause damage to track.**
2. 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; this is the only one that does not use a washer on the inside of the tunnel.
 - b. After installing the main alignment bolt, you can install the other stock ones as shown in the picture.
 - c. Do not tighten any bolt until all the stock holes are completely filled.
 - d. Drill out the remaining holes as shown in the pictures and install



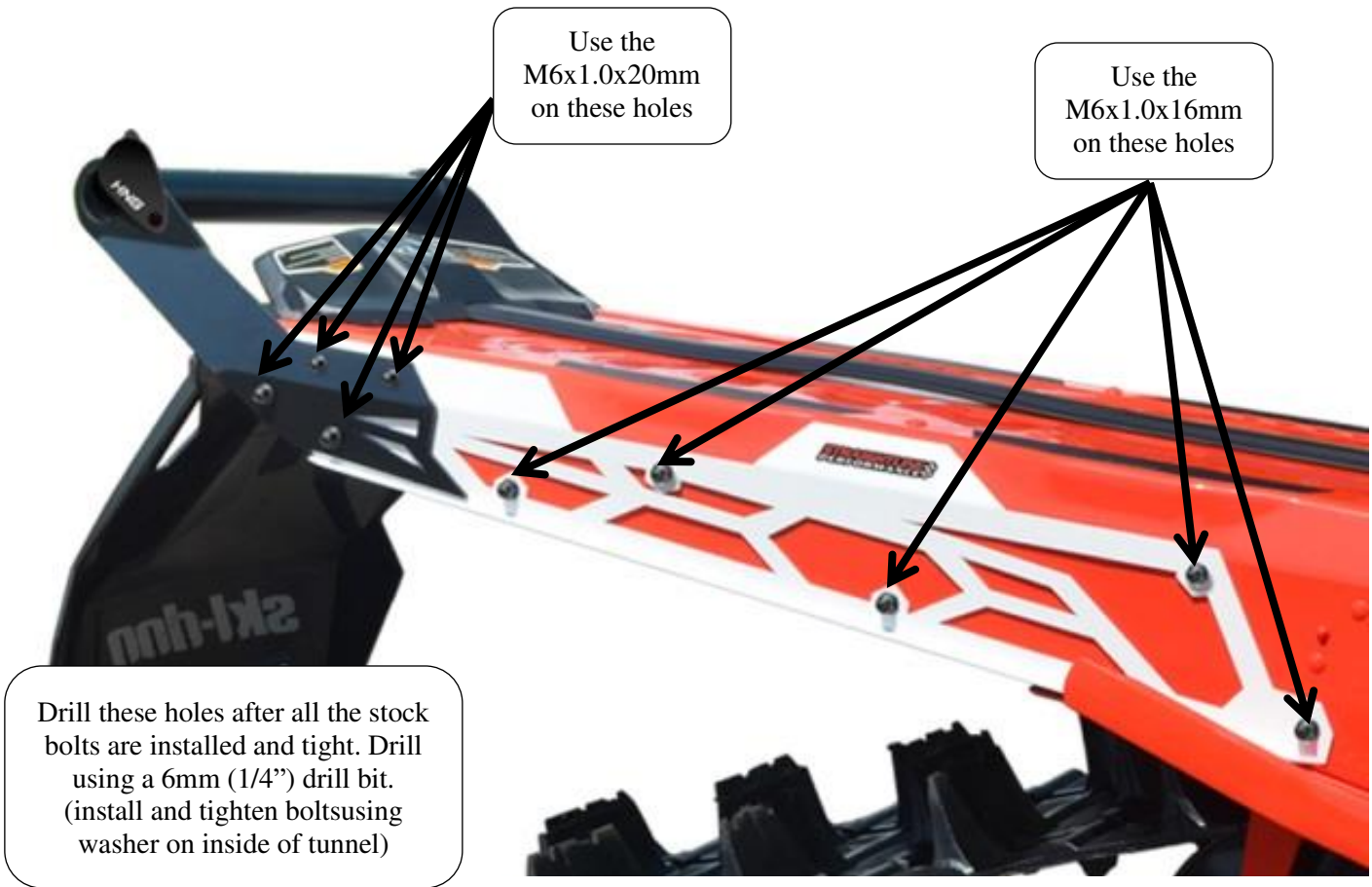
Install crush limiter into the center of the bumper plug. Then install a M6x1.0x20 bolt with Washer then secure with M6 Nylock nut inside to install the plug. Use a washer on the outside only, no washer on the inside.

Install this bolt first.
This is the main alignment bolt for the entire bumper. **No washer on inside of tunnel for this bolt only (M6x1.0x20)**



These are the stock bolt holes. Install all of them before tightening completely.
Use a washer on inside of tunnel





BOM Check One: 183-234, 183-235, 183-236

Only 1 size will be marked

Quantity	Item #	Descriptions	In Box
1	HNGSD146SPR	Right Tunnel Plate	
1	HNGSD146SPL	Left Tunnel Plate	
1	HNGSD154SPR	Right Tunnel Plate	
1	HNGSD154SPL	Left Tunnel Plate	
1	HNGSD165SPR	Right Tunnel Plate	
1	HNGSD165SPL	Left Tunnel Plate	
1	HNGSDMR/HNGSD ML/HNG-Tube	Complete Rear Bumper Mounting and 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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