

INSTALLATION INSTRUCTIONS FOR TPKA-218

GENERAL NOTES: - ALL 1/2" FASTENERS TO BE CHISEL CHECKED.
- ALL SHARP EDGES TO BE DEBURRED.

Upon receiving the top platform kit (midrail, toe guard, vertical stanchions, brackets, fasteners) inspect to make sure it has not been damaged in shipment and that all items listed in the parts list are present and accounted for.

MIDRAIL INSTALLATION:

1. When installing midrail, preferably, a loose fit up should be done first (see Fig. 1 & dwg. TPKA-218).
2. Midrail height should be half the distance between grating and handrail (see Fig. 2 & dwg. TPKA-218).
3. Once the midrail height has been set drill 9/16" holes through handrail support using midrail as template. Secure midrail to handrail supports with 1/2"-13X1 1/2" hex bolt and 1/2"-13 top lock nut (see Fig. 3 & dwg. TPKA-218). Do not tighten fasteners all the way.
4. Attach the vertical stanchions to horizontal part of handrail, loosely. Use the Clamp, 1/2"-13X1 1/2" hex bolt and 1/2"-13 top lock nut to secure everything (see Fig. 4 & dwg. TPKA-218).

Fig. 1

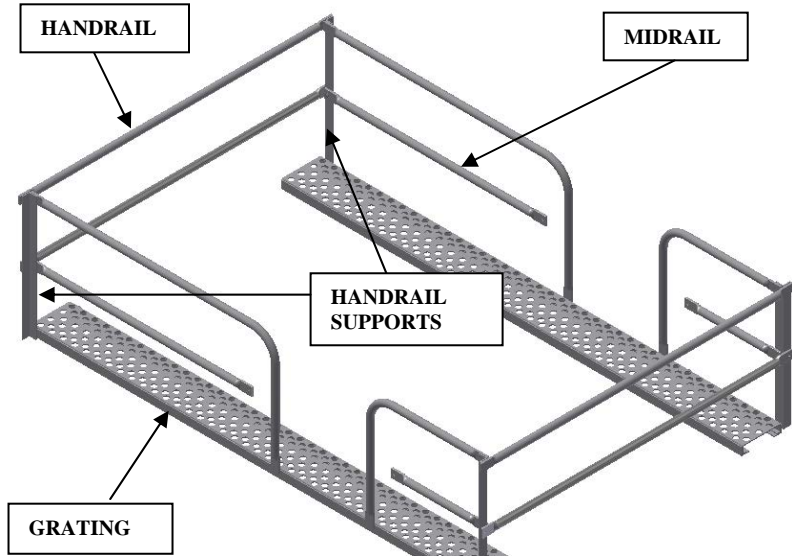


Fig. 2

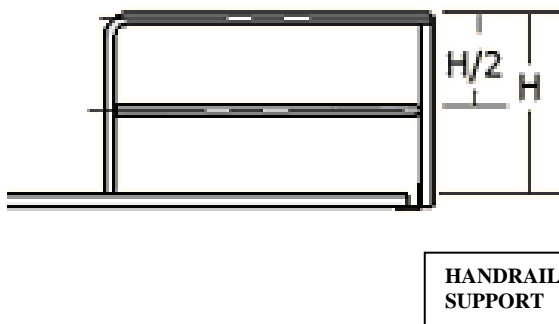
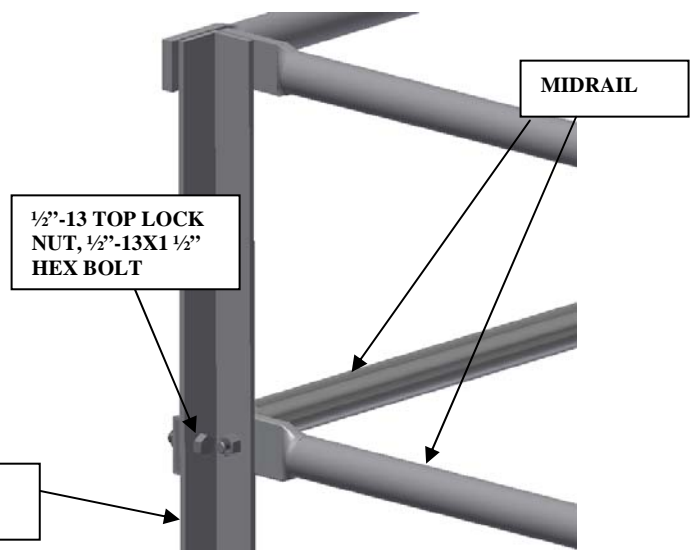
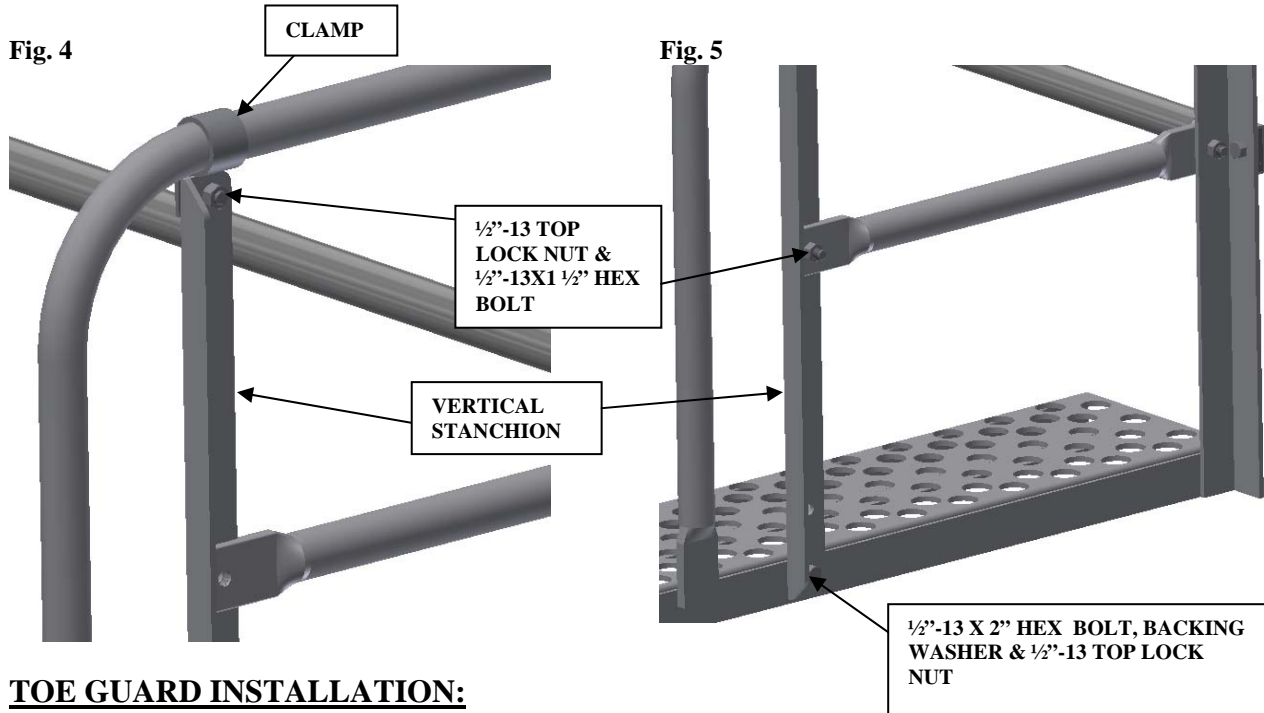


Fig. 3

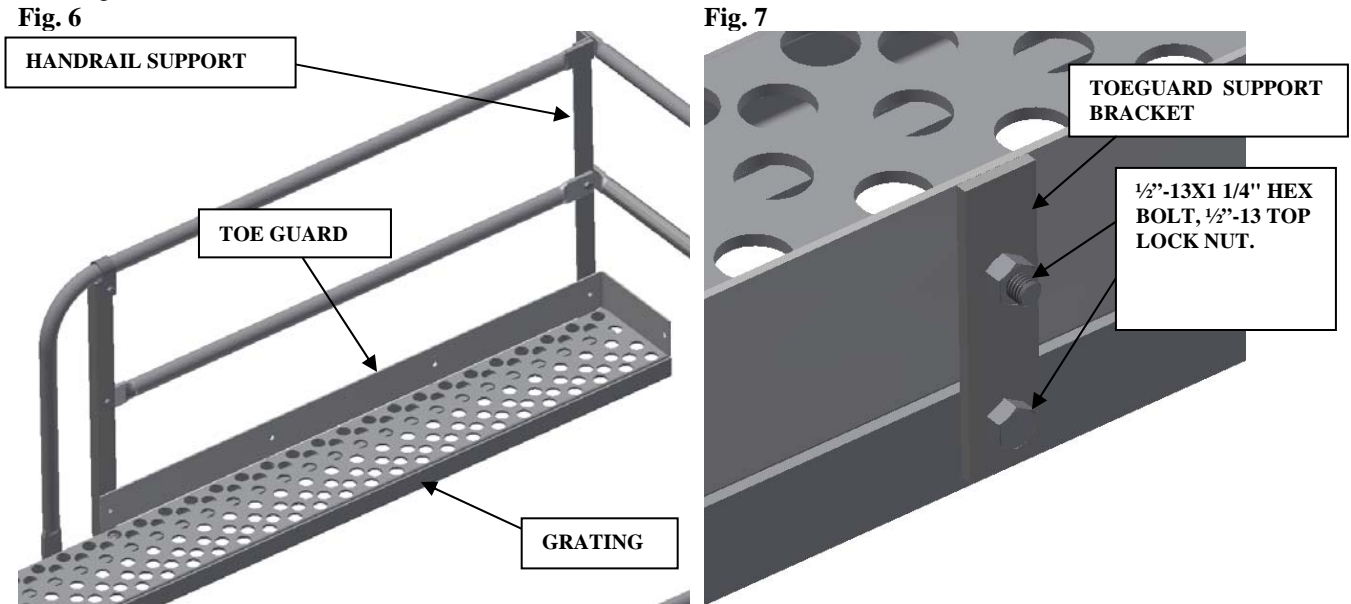


5. Loosely, secure midrail to vertical stanchion with 1/2"-13X1 1/2' hex bolt and 1/2"-13 top lock nut. Drill 9/16" hole through bottom part of vertical stanchion and grating. Secure vertical stanchion to grating with 1/2"-13 X 2" hex bolt and 1/2'-13 top lock nut (see Fig. 5 & dwg TPKA-218).
6. Fully tighten all the fasteners.



TOE GUARD INSTALLATION:

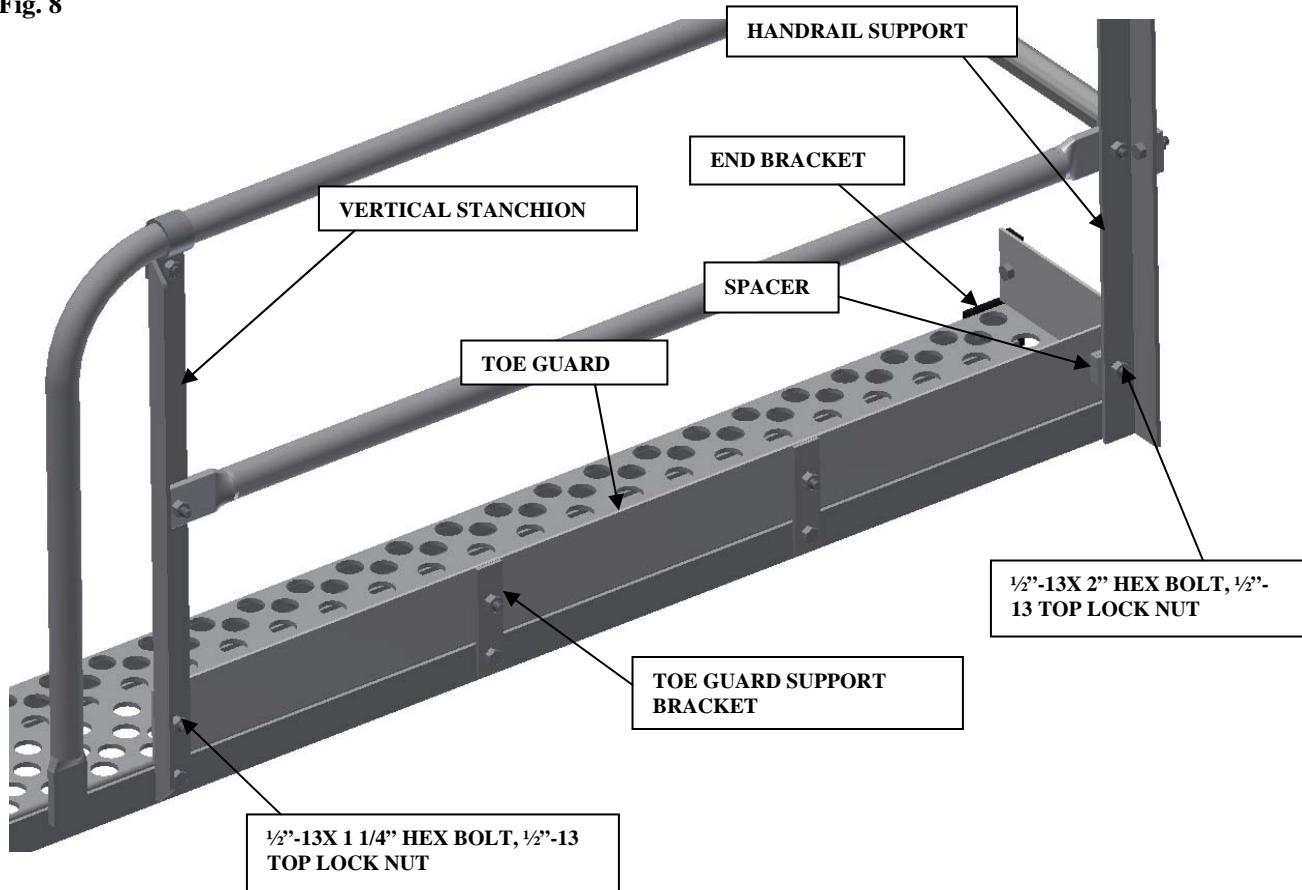
1. Position toe guard as shown in Fig. 6. Also, see dwg TPKA-218 as reference.
2. Attach the toe guard support brackets to existing holes. Drill 9/16" hole through toe guard and grating using toe guard support bracket as template. Secure everything with 1/2"-13 x 1 1/4" hex bolts and 1/2"-13 top lock nuts (see Fig. 7 & dwg TPKA-218).



3. Drill 9/16" hole through toe guard and handrail support. Use two spacers per toe guard to bridge the gap between toe guard and handrail support. Secure everything with 1/2"-13 x 2" hex bolt and 1/2"-13 top lock nut (see Fig. 8 & dwg TPKA-218).

4. Secure toe guard to vertical stanchion with ½”-13X 1 ¼” hex bolt and ½”-13 top lock nut (see Fig. 8 & dwg TPKA-218).
5. Drill 9/16” hole through side of grating by using the end bracket as a template. Secure everything with ½”-1 ¼” hex bolts and ½”-13 top lock nuts (see Fig. 8 & dwg TPKA-218).
6. Repeat steps 1-5 for remaining three toe guards. Some toe guards don’t require toe guard support brackets. Use drawing TPKA-218 as reference.

Fig. 8

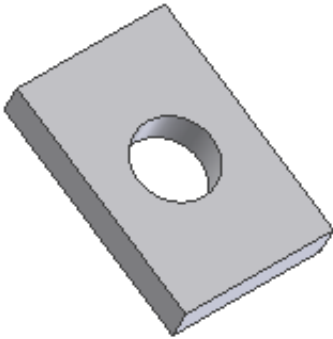






PARTS LIST:

<p>2 – TOE GUARD (E38555)</p> 	<p>2 – TOE GUARD (E38560)</p> 	<p>2 - MIDRAIL (E38536)</p> 
<p>2 – MIDRAIL (E38540)</p> 	<p>2 – VERTICAL STANCHION (ANGLE 2" X 2" – C34738)</p> 	<p>2 – VERTICAL STANCHION (C34739)</p> 
<p>2 – MIDRAIL (E38551)</p> 	<p>4 – PIPE CLAMP 1 ¼" (A25327)</p> 	<p>4 – BRACKET (A38557)</p> 
<p>2 – END BRACKET (A26501)</p> 	<p>2 – END BRACKET (A26500)</p> 	<p>4 – BACKING WASHER ½" (A26551)</p> 



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8 – SPACER (A38556)	44 – TOP LOCK NUT ½”-13 (LN70800)	12 – HEX BOLT ½”-13X1 ¼” (HB13209)
		
24 – HEX BOLT ½”-13X1 ½” (BVG316)	8 – HEX BOLT ½”-13X2” (HB13211)	
		

TOOLS REQUIRED:

- Hammer
- ¾" Wrench
- ¾" Ratchet
- Power Drill or Pneumatic 9/16" dia. punch or Hydraulic 9/16" dia. punch
- High Speed 9/16" Drill Bit.
- Electric grinder.
- Heavy duty pliers.
- Heavy duty clamp.