



INSTALLATION INSTRUCTIONS FOR TPKA-200 (DOWX080850 – DOWX080879)

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

Upon receiving the top platform kit (midrail, toeguard, 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.
2. Midrail height should be half the distance between grating and handrail (see Fig. 1).
3. Secure the two large midrail assemblies to handrail supports with U-support bracket. Once the midrail height has been set, drill two 9/16" dia. holes into handrail support using U-support bracket as template. Use 1/2"-13X1 1/2" hex bolts and 1/2"-13 top lock nuts for fastening (see Fig. 2 and Fig. 3. See dwg. TPKA-200 for midrail locations). Do not tighten fasteners all the way.

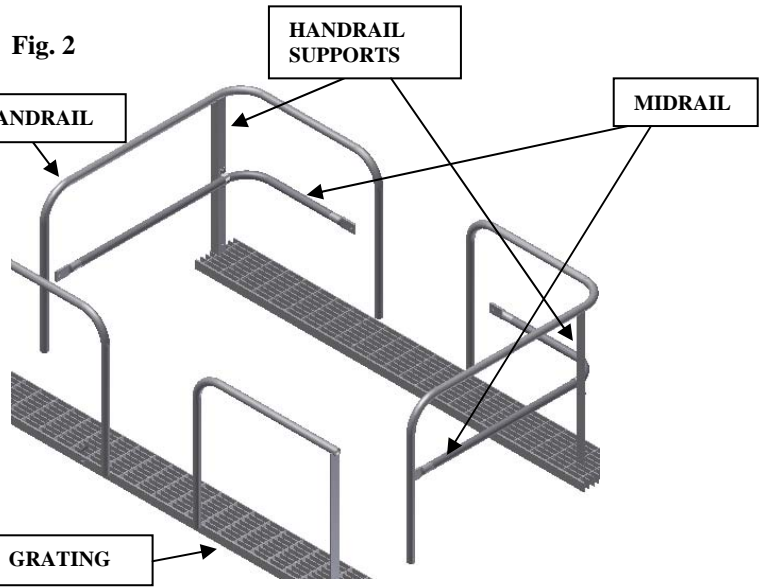
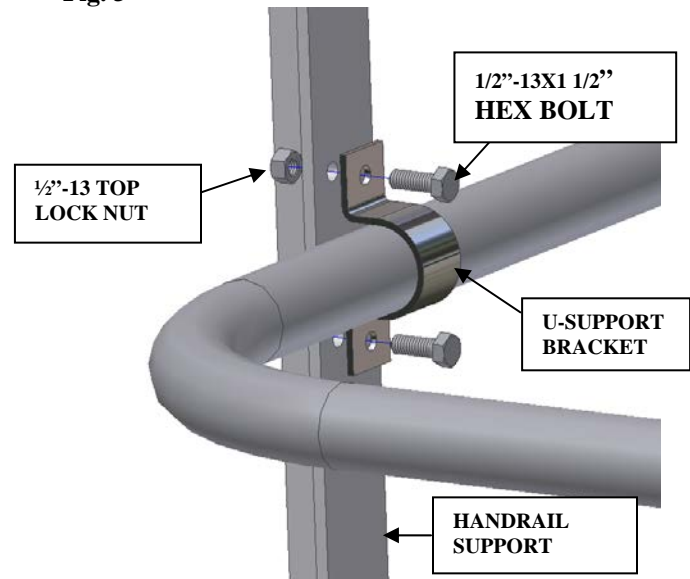


Fig. 2

Fig. 1



Fig. 3



4. Attach the vertical stanchions to horizontal part of handrail, loosely. Use the Clamp and 1/2"-13X1 1/2" hex bolt and 1/2"-13 top lock nut to secure everything (see Fig. 4 and dwg. TPKA-200).
5. Secure large and small midrail assemblies to vertical stanchion with 1/2"-13X1 1/2" hex bolts and 1/2"-13 top lock nuts. Drill 9/16" dia. hole through grating using the bottom part of vertical stanchion as template. Secure everything loosely with 1/2"-13X1 1/4" hex bolt and 1/2"-13 top lock nut (see Fig. 5 and dwg. TPKA-200).
6. Using the opposite flat end of two small midrail assemblies as template, drill 9/16" dia. hole through handrail support. Secure everything loosely with 1/2"-13X1 1/2" hex bolt and 1/2"-13 top lock nut (see dwg. TPKA-200).
7. Attach the free flat end of large midrail assemblies to vertical part of handrail, loosely. Use the Clamp and 1/2"-13X1 1/2" hex bolt and 1/2"-13 top lock nut to secure everything (see Fig. 6 and dwg. TPKA-200).
8. Tighten all the fasteners.

Fig. 4

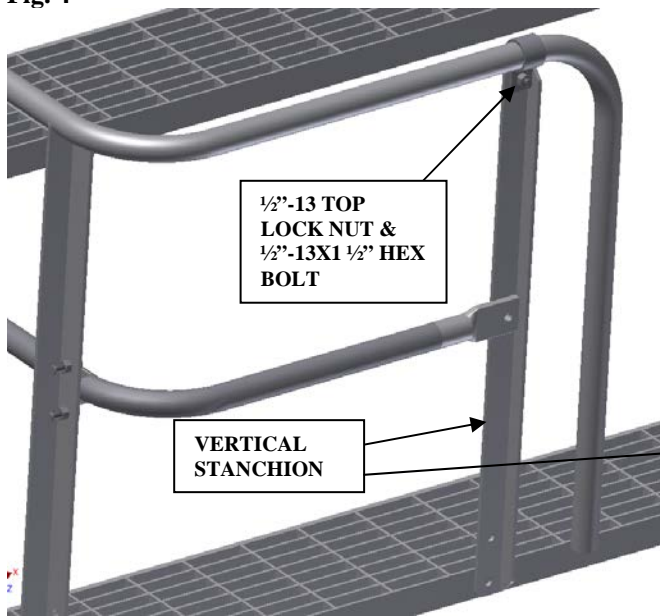


Fig. 5

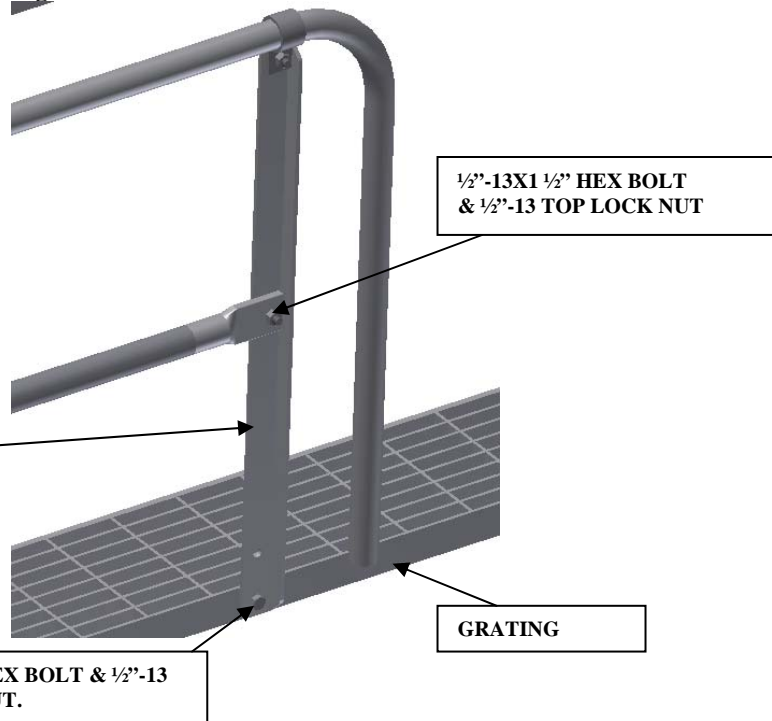
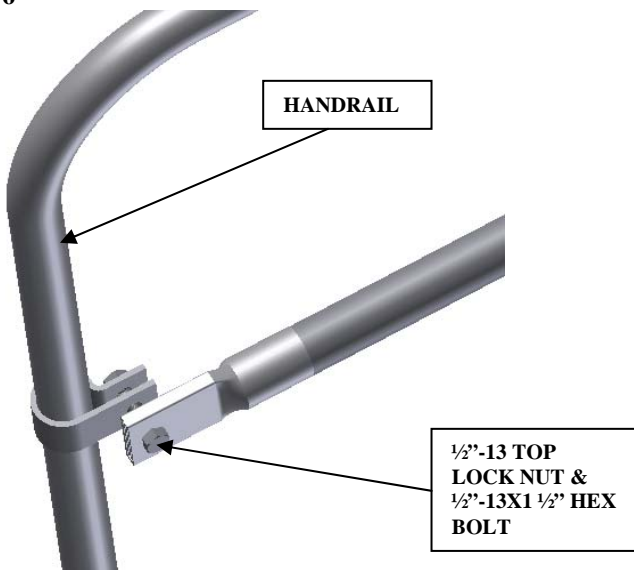


Fig. 6



TOE GUARD INSTALLATION:

1. Trim toe guard to length. Position toe guard as shown in Fig. 7.
2. Drill 9/16" dia. hole through toe guard using vertical stanchion as template. Secure everything with 1/2"-13X1 1/4" hex bolt and 1/2"-13 top lock nut (see Fig. 8 and dwg. TPKA-200).

Fig. 7

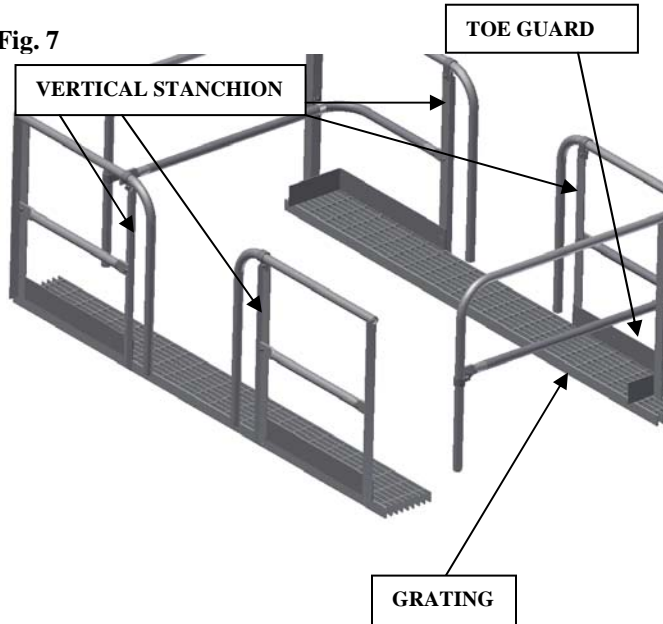
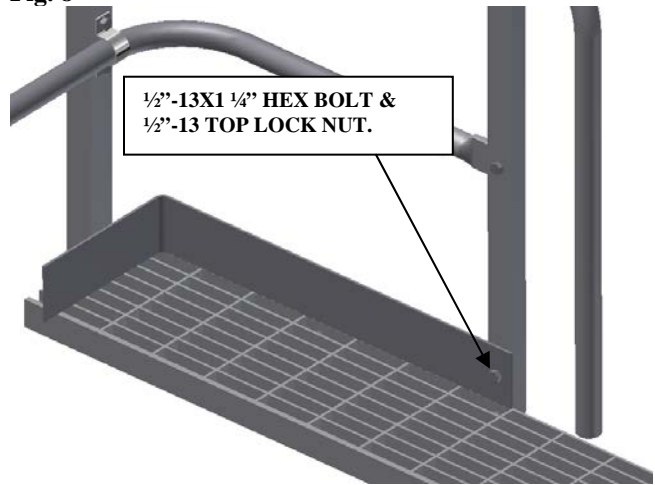


Fig. 8



3. Drill 9/16" dia. hole through toe guard and handrail support. Place two Spacer C's in between toe guard and handrail support and secure everything with 1/2"-13X2" hex bolt and 1/2"-13 top lock nut (see Fig. 9 and dwg. TPKA-200).
4. Drill 9/16" dia. hole through toe guard and handrail support on the smaller midrail assembly side of the operating platform. Secure everything with 1/2"-13X1 1/4" hex bolt and 1/2"-13 top lock nut (see dwg. TPKA-200).
5. Drill 9/16" dia. holes through toe guard and grating using toe guard support bracket as template. Secure everything with 1/2"-13X1 1/4" hex bolts and 1/2"-13 top lock nuts (see Fig. 10 and dwg. TPKA-200).

Fig. 9

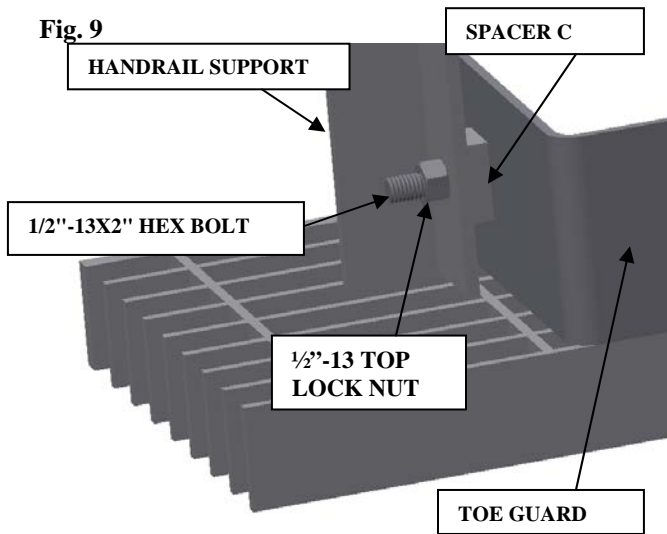
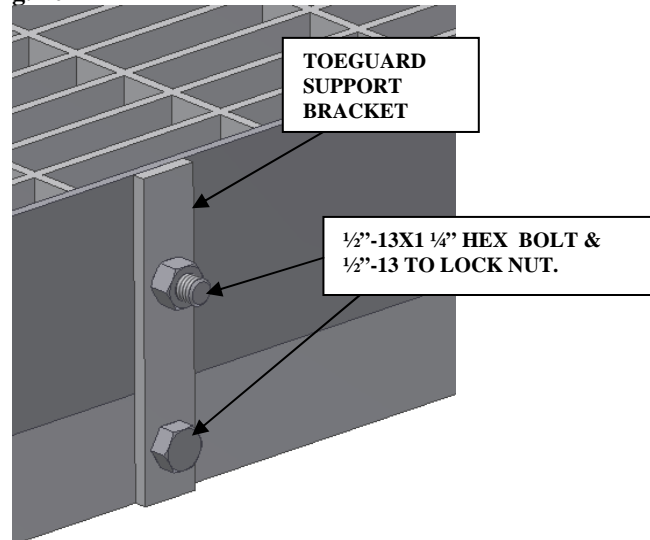







Fig. 10



PARTS LIST:

2 - TOE GUARD (E32545)	2 - TOE GUARD (E32540)	2 - PIPE U-SUPPORT BRACKET 1 1/4" (A23150)
		
4 - SPACER C (A24085)	2 - VERTICAL STANCHION (ANGLE 2" X 2" - C32511)	2 - VERTICAL STANCHION (ANGLE 2" X 2" - C32513)
		
6 - PIPE CLAMP 1 1/4" (A25541)	2 - MIDRAIL ASSEMBLY (E32508)	2 - MIDRAIL ASSEMBLY (E32514)
		

36 – TOP LOCK NUT 1/2"-13 (LN70800)	18 – HEX BOLT 1/2"-13X1 1/4" (HB13207)	2 – HEX BOLT 1/2"-13X2" (MB200)
		
16 – HEX BOLT 1/2"-13X1 1/2" (HB13209)	4 – BRACKET (A26978)	
		

TOOLS REQUIRED:

- Hammer
- 3/4" Wrench
- 3/4" Ratchet
- Power Drill or Pneumatic 9/16" dia. punch or Hydraulic 9/16" dia. punch
- High Speed 9/16" Drill Bit
- Metal cutting power saw
- Electric grinder
- Heavy duty pliers
- Heavy duty clamp