



# FH-400 NH T7000 Supersteer Frame Mount

## Undercarriage Installation Instructions

### **Caution:**

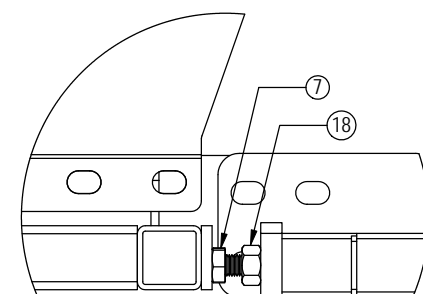
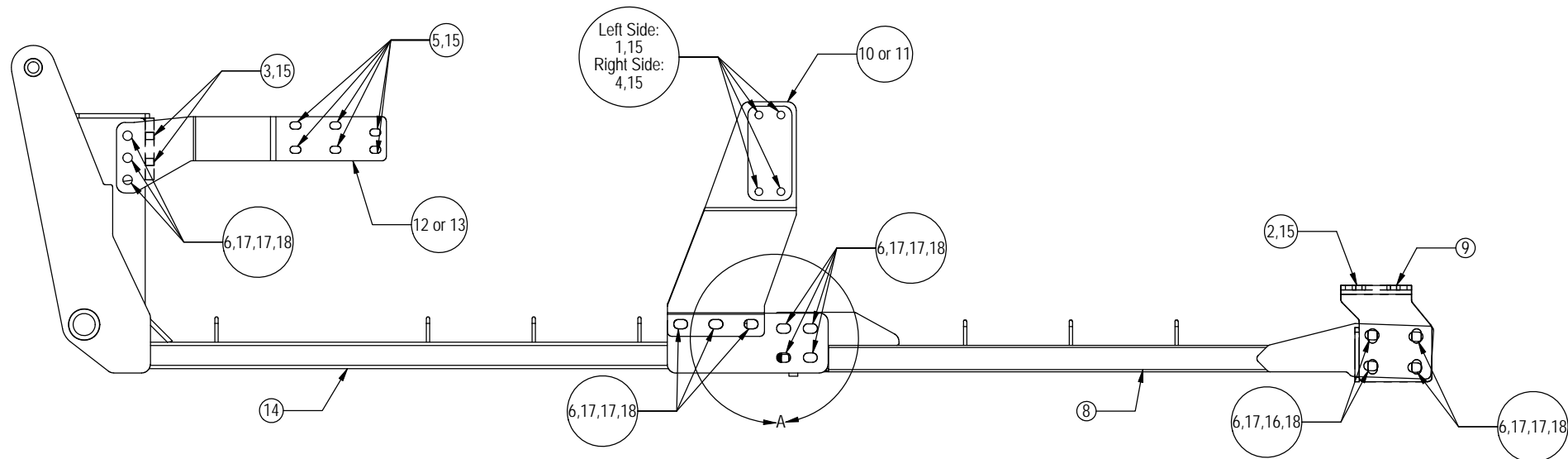
- Always use precaution when working around any equipment.
- Always wear safety glasses.
- Follow tractor manufacturer's safety guidelines when installing this product.
  1. Read all instructions prior to installation.
  2. Remove the weights and weight bracket from the front of tractor.
  3. Position the undercarriage (U/C) under the tractor and center with the frame of the tractor.
  4. Lift the U/C until the holes on the tractor line up with the holes on the U/C.
  5. At the front of the tractor, use 4 - 20mm x 70mm bolts (PN: 16-1876) with a 3/4" flat washer (PN: 57-20747) on each bolt to attach the U/C to the front of the tractor. Tighten finger tight. See the attached diagram for any clarification.

**NOTE:** If your machine has the front loader kit installed, remove the brackets. If there is a spacer with the exhaust support, the spacer will be used when installing the right rail in Step #7.

**NOTE:** If your machine does not have the front loader kit installed, remove the hardware attaching the exhaust support to the right side of the tractor. If there is a spacer with the exhaust support, the spacer will be used when installing the right rail. Remove the hardware attaching the exhaust to the exhaust support. While keeping the exhaust in the same location, slide the support out to make room for installing the right rail in Step #7. Reattach the exhaust to the exhaust support.
  6. Use 4 - 20mm x 90mm bolts (PN: 16-1510) with a 3/4" flat washer (PN: 57-20747) on each bolt in the holes of the left rail (PN: 46-12518-L) to attach the left rail to the tractor frame.
  7. Use 4 - 20mm x 100mm bolts (PN: 16-1877) with a 3/4" flat washer (PN: 57-20747) on each bolt in the holes of the right rail (PN: 46-12518-R) to attach the spacer, exhaust support, and right rail to the tractor frame. See attached diagram for any clarification.
  8. Attach the left and right rails to the left and right sides of the undercarriage with 3 - 1" x 2-1/2" bolts (PN: 16-20560), 6 - 1" heavy flat washers (PN: 57-20819), and 3 - 1" nuts (PN: 70-20599) for each side.
  9. Attach the front left and right rails (PN: 46-12524-R,L) to the undercarriage with 3 - 1" x 2-1/2" bolts (PN: 16-20560), 6 - 1" heavy flat washers (PN: 57-20819), and 3 - 1" nuts (PN: 70-20599) for each side.
  10. Attach the front left and right rails (PN: 46-12524-R,L) to the side of the tractor frame with 6 - 20mm x 50mm bolts (PN: 16-1878), 6 - 3/4" flat washers (PN: 57-20747) for each side. See the attached diagram for any clarification.
  11. Once all bolts are installed, torque the front 20mm bolts to 432 ft-lbs., the remaining 20mm bolts to 432 ft-lbs., and all 1" bolts to 903 ft-lbs.

- 12.** Remove the four bolts from the drawbar bracket under the rear axle. Keep the drawbar bracket in the original location.
- 13.** Attach the push pole bracket (PN: 18-12521) to the drawbar under the rear axle with 4 - 18mm x 80mm bolts (PN: 16-1815080) and 4 - 3/4" flat washers (PN: 57-20747). See attached diagram for any clarification.
- 14.** Push the push pole bracket back until it is tight against the tractor's drawbar bracket. Torque the 18mm bolts to 405 ft-lbs.
- 15.** Install 2 - 1" x 3" bolts (PN: 16-20562) and 2 - 1" nuts (PN: 70-20599) on the front end of the push pole (PN: 17-13399). See attached diagram for any clarification.
- 16.** Lift the end of the push pole (PN: 17-13399) with the installed bolts and nuts from Step #15 up to the U/C.
- 17.** Attach the push pole to the U/C with 4 - 1" x 2-1/2" bolts (PN: 16-20560), 8 - 1" heavy flat washers (PN: 57-20819), and 4 - 1" nuts (PN: 70-20599) for each side. Finger tighten the bolts and nuts.
- 18.** Lift the rear of the push pole up to the push pole bracket. Insert 8 - 1" x 2-1/2" bolts (PN: 16-20560) with a 1" heavy flat washer (PN: 57-20819) on each bolt through the holes on the push pole and bracket.
- 19.** After the bolts are through the holes on the push pole bracket, install a 1" SAE flat washer (PN: 57-20759) and a 1" nut (PN: 70-20599) on the front four bolts. Install a 1" heavy flat washer (PN: 57-20819) and a 1" nut (PN: 70-20599) on the rear four bolts. Finger tighten the bolts and nuts.
- 20.** Push the push pole as far forward as possible. Torque the rear 1" bolts on the push pole to 903 ft-lbs. and then torque the front 1" bolts on the push pole to 903 ft-lbs.
- 21.** Unscrew the two 1" x 3" bolts at the front of the push pole until they are tight against the U/C. Torque the 1" bolts to 90-95 ft-lbs. Tighten the nuts up tight against the push pole.
- 22.** After first 8 hours of use, re-torque all bolts.
- 23.** Check all fasteners regularly to ensure proper operation of equipment.

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DETAIL A  
SCALE 1 : 9

Item No.	Qty.	Part No.	Description
1	4	16-1510	20mm x 2.5mm x 90mm Metric Hex Bolt Gr.10.9
2	4	16-1815080	18mm x 1.5mm x 80mm Metric Hex Bolt Gr. 10.9
3	4	16-1876	20mm x 2.5mm x 70mm Metric Hex Bolt Gr.10.9
4	4	16-1877	20mm x 2.5mm x 100mm Metric Hex Bolt Gr.10.9
5	12	16-1878	20mm x 2.5mm x 50mm Metric Hex Bolt Gr.10.9
6	28	16-20560	1" x 2-1/2" Hex Bolt Gr.8 NC
7	2	16-20562	1" x 3" Hex Bolt Gr.8 NC
8	1	17-13399	FH-400 MX Magnum Push Pole (4 tube)
9	1	18-12521	FH-400 NH T7000 Push Pole Bracket
10	1	46-12518-L	FH-400 NH T7000 Supersteer Rear Rail Left
11	1	46-12518-R	FH-400 NH T7000 Supersteer Rear Rail Right
12	1	46-12524-L	FH-400 NH T7000 Supersteer Front Rail Left
13	1	46-12524-R	FH-400 NH T7000 Supersteer Front Rail Right
14	1	54-12525	FH-400 UC NH T7000 Supersteer Frame Mount
15	28	57-20747	3/4" Flat Washer
16	4	57-20759	1" SAE Flat Washer - 2" OD
17	52	57-20819	1" Flat Washer Heavy Duty Gr 8 (USS)
18	30	70-20599	1" Hex Nut Gr.8 NC

**GROUSER PRODUCTS INC.**

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TITLE: FH-400 U/C  
NH T7000 Supersteer

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