



# NH T7000 Standard & TerraGlide Suspended Axle Front Push Pole 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. Position the front push pole under the tractor and center with the frame of the tractor.
  3. Support the front linkage frame and remove the long pivot pin that holds the lift arms to the frame.
  4. Lift the front of the front push pole.
  5. Once the ears are aligned with the frame and the lift arms of the front 3-point, insert the front push pole pin (PN: 43-14490).
  6. Once the pin is in place, insert a spacer (PN: 19-13515) in the open space between the legs of the pin head. Insert a 3/4" bolt (PN: 16-20217) with a 3/4" flat washer (PN: 57-20747) through the spacer and the hole of the push pole. See attached diagram for clarification.
  7. After the bolt is in, install a 3/4" nut (PN: 70-20607) on the bolt.
  8. On the opposite side, slide the pin plate (PN: 44-14492) over the end of the pin. Once the plate is in the groove on the pin, push the plate tight against the groove so that the plate will keep the pin from sliding out.
  9. Install a 3/4" bolt (PN: 16-20217), 3/4" washer (PN: 57-20747) and 3/4" nut (PN: 70-20607) through the slotted hole of the pin plate. Verify that the plate is tight against the pin and tighten the bolt.
  10. Torque the 3/4" bolts to 257 ft-lbs.

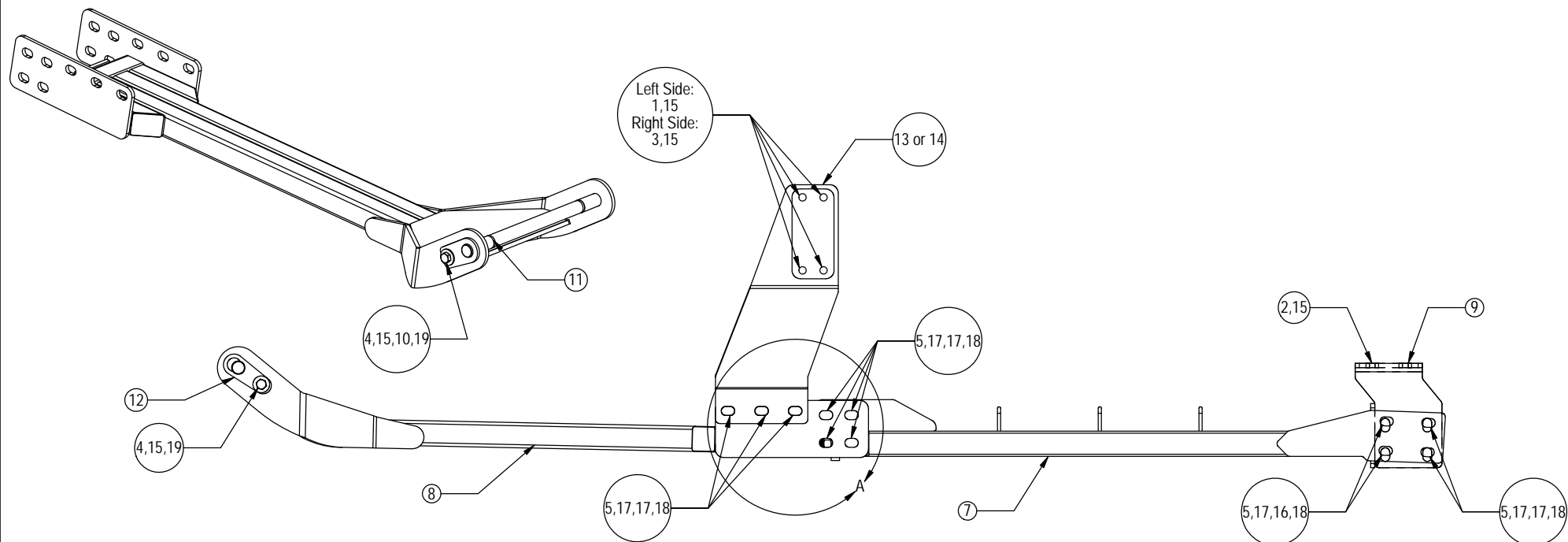
**NOTE:** If your machine has the front loader kit installed, remove the brackets. If there is a spacer with the exhaust support, the spacer will be used when installing the right rail in Step #12.

**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 #12. Reattach the exhaust to the exhaust support.

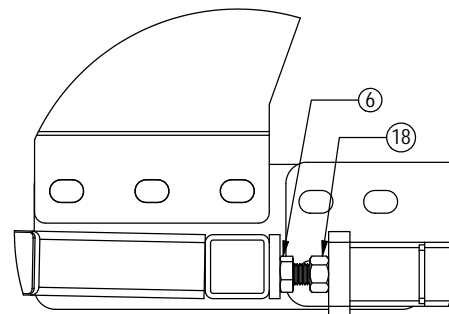
11. Use 4 - 20mm x 90mm bolts (PN: 16-1510) with a 3/4" flat washer (PN: 57-20747) on each bolt in the holes of the left rail (PN: 46-11985-L) to attach the left rail to the tractor frame.
12. Use 4 - 20mm x 100mm bolts (PN: 16-1877) with a 3/4" flat washer (PN: 57-20747) on each bolt in the holes of the right rail (PN: 46-11985-R) to attach the spacer, exhaust support, and right rail to the tractor frame. See attached diagram for any clarification.

- 13.** Attach the left and right rails to the left and right sides of the front push pole 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.
- 14.** Once all bolts are installed, torque the 20mm bolts to 432 ft-lbs. and all 1" bolts to 903 ft-lbs.
- 15.** Remove the four bolts from the drawbar under the rear axle.
- 16.** Attach the push pole bracket (PN: 18-11983) 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).
- 17.** Push the push pole bracket back until it is tight against the tractor's drawbar bracket. Torque the 18mm bolts to 405 ft-lbs. See attached diagram for any clarification.
- 18.** 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.
- 19.** Lift the end of the push pole (PN: 17-13399) with the installed bolts and nuts from Step #18 up to the front push pole.
- 20.** Attach the push pole to the front push pole 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.
- 21.** Lift the rear of the push pole up to the push pole bracket. Insert 4 - 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.
- 22.** 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.
- 23.** 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.
- 24.** 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.
- 26.** After first 8 hours of use, re-torque all bolts.
- 27.** Check all fasteners regularly to ensure proper operation of equipment.

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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	16-1877	20mm x 2.5mm x 100mm Metric Hex Bolt Gr.10.9
4	2	16-20217	3/4" x 1-3/4" Hex Bolt G.r 5 NC
5	22	16-20560	1" x 2-1/2" Hex Bolt Gr.8 NC
6	2	16-20562	1" x 3" Hex Bolt Gr.8 NC
7	1	17-13399	FH-400 MX Magnum Push Pole (4 tube)
8	1	17-14500	NH T7000 Front Push Pole
9	1	18-11983	FH-400 Case Puma & NH T7000 Push Pole Bracket
10	1	19-13515	3/4" ID Non-Rotating Pin Spacer
11	1	43-14490	NH T7000 Front Push Pole Pin
12	1	44-14492	NH T7000 Pin Plate
13	1	46-11985-L	FH-400 Case Puma & NH T7000 Rail Left
14	1	46-11985-R	FH-400 Case Puma & NH T7000 Rail Right
15	14	57-20747	3/4" Flat Washer
16	4	57-20759	1" SAE Flat Washer - 2" OD
17	40	57-20819	1" Flat Washer Heavy Duty Gr 8 (USS)
18	24	70-20599	1" Hex Nut Gr.8 NC
19	2	70-20607	3/4" Hex Center Lock Nut



DETAIL A  
SCALE 1:9



**GROUSER PRODUCTS INC.**

755 2nd Ave NW Phone 701.282.7710  
West Fargo, ND 58078 Fax 701.282.8131  
WWW.GROUSER.COM

TITLE: NH T7000 Front Push Pole Assy.

Date: 12/10/2010 DWG. NO.: 14500-A



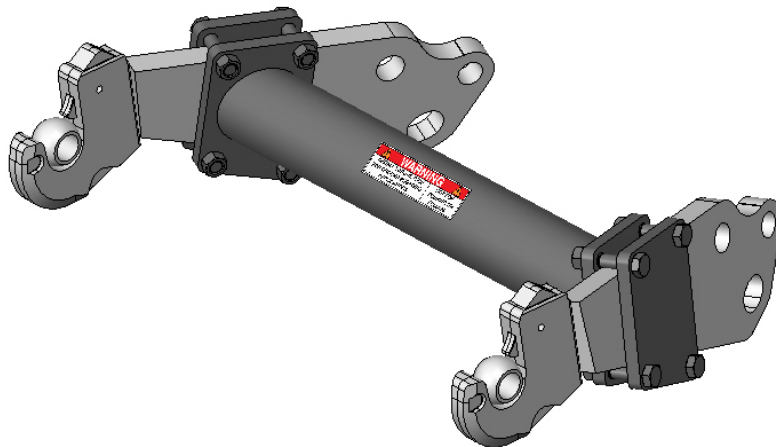
# Torque Arm - Front Hitch

## 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.
- Read all instructions prior to installation.
  1. Set the front hitch arms to the fixed position. The front hitch arms cannot be in float with the torque arm installed.

**!!!The front hitch arms cannot be in float with the torque arm installed!!! Refer to tractor manufacturer's operator's manual for front hitch arms fixed position pin location.**
  2. Position the torque arm between the front hitch arms. The longest edge of the plate should be closest to the tractor and the angled edge on the bottom. See the photo below for correct orientation.
  3. Support the torque arm and install a bolting plate with 4 - 3/4" x 3-1/2" bolts and 4 - 3/4" nuts on each side.
  4. Once the bolts are all installed, push the torque arm evenly towards the tractor. Keep the torque arm parallel to the front of the tractor.
  5. Torque the 3/4" bolts to 100 ft-lbs.
  6. After first 8 hours of use, re-torque all bolts.
  7. Check all fasteners regularly to ensure proper operation of equipment.

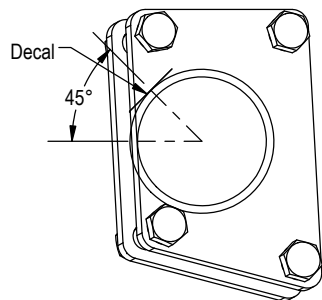
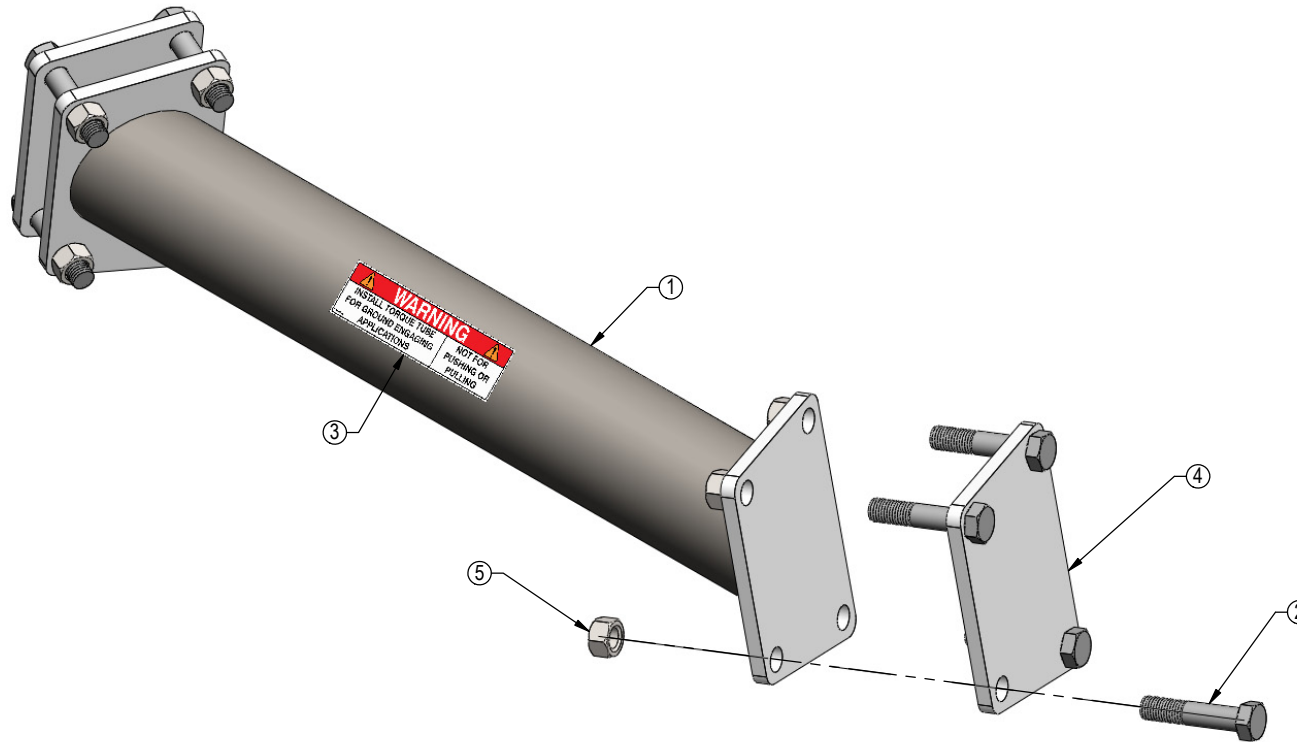


**Note:** The style of front hitch arms may vary slightly.



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ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	11-19719	Torque Arm
2	8	16-20224	3/4" x 3-1/2" Gr.5 Hex Bolt NC
3	1	27-40405	Warning Decal - Torque Arm
4	2	44-19716	Plate
5	8	70-20607	3/4" Center Lock Hex Nut NC



Placement of Warning Decal



**GROUSER PRODUCTS INC.**

755 2nd Ave NW Phone 701.282.7710  
 West Fargo, ND 58078 Fax 701.282.8131  
 WWW.GROUSER.COM

TITLE: Torque Arm for Front Hitches

Date: 2-16-2017

DWG. NO.: 19719-A