

FH-400 Case Magnum Tier 3 - Mid Frame

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 weights and weight bracket from front of tractor if necessary.
 - **3.** Remove the bolts from the radar. Insert the radar spacer (PN: 53-13335) and reattach the radar with 20mm x 100mm bolts (PN: 16-1877)
 - **4.** Position the undercarriage (U/C) under the tractor and center with the frame of the tractor.
 - **5.** Lift the U/C until the holes on the tractor line up with the holes on the U/C.
 - **6.** At the front of the tractor, use 8 20mm x 70mm bolts (PN: 16-1876) with a 3/4" SAE flat washer (PN: 57-20757) on each bolt to attach the U/C to the front of the tractor. Tighten finger tight. See the attached diagram for any clarification.
 - 7. Use 7 20mm x 50mm bolts (PN: 16-1878) with a 3/4" flat washer (PN: 57-20747) on each bolt in the holes of the left rail (PN: 44-13354-L) to attach the left rail to the tractor frame.
 - 8. Remove the ground boss from the right side of the tractor. The boss will be reinstalled in Step #9.
 - **9.** Use 1 20mm x 100mm bolt (PN: 16-1877) with the ground boss and a 3/4" flat washer (PN: 57-20747) through the top rear hole of the right rail (PN: 44-13354-R) to attach the right rail to the tractor frame. See the attached diagram for any clarification.
- **10.** Use 6 20mm x 50mm bolts (PN: 16-1878) with a 3/4" flat washer (PN: 57-20747) on each bolt through the remaining holes of the right rail to attach the right rail to the tractor frame.
- **11.** Attach the left and right rails to the left and right sides of the undercarriage with 3 1" bolts (PN: 16-20560), 6 1" heavy duty flat washers (PN: 57-20819), and 3 1" nuts (PN: 70-20599) for each side.
- 12. Once all bolts are installed, torque the front 20mm bolts to 432 ft-lbs.
- **13.** Torque the 20mm bolts on the side rails to 432 ft-lbs.
- **14.** Torque the 1" bolts attaching the side rails to the U/C to 903 ft-lbs.
- **15.** Carefully remove the bolts holding the drawbar bracket to the tractor rear axle housing. Discard the removed bolts.
- **16.** Attach the push pole bracket (PN: 18-13333) to the drawbar under the rear axle with 4 18mm bolts (PN: 16-1815080) and a 3/4" flat washer (PN: 57-20747) on each bolt. See attached diagram for the correct orientation of the bracket.

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- **17.** Push the push pole bracket back until it is tight against the tractor's drawbar bracket.
- **18.** Torque the 18mm x 80mm bolts to 405 ft-lbs.
- **19.** 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). Turn the 1" bolts in for installation. The bolts will be adjusted after the push pole is installed. See the attached diagram for proper installation of the bolts and nuts.
- **20.** Position the push pole (PN: 17-13399) under the tractor. See the attached diagram for the correct orientation of the push pole.
- **21.** Lift the end of the push pole with the installed bolts and nuts from Step #19 up to the U/C.
- **22.** Attach the push pole to the U/C with 4 1" x 2-1/2" bolts (PN: 16-20560), 8 1" flat heavy duty washers (PN: 57-20819), and 4 1" nuts (PN: 70-20599) for each side. Tighten finger tight.
- 23. Attach the rear of the push pole to the push pole bracket with 8 1" x 2-1/2" bolts (PN: 16-20560), 16 1" SAE flat washers (PN: 57-20759), and 8 1" nuts (PN: 70-20599). Finger tighten the bolts and nuts.
- **24.** Push the push pole as far forward as possible. Torque the eight rear 1" bolts on the push pole to 903 ft-lbs. and then torque the eight front 1" bolts on the push pole to 903 ft-lbs.
- **25.** 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.
- **26.** Tighten the nuts up tight against the push pole. Use the nuts to lock the bolts in place.
- **27.** After first 8 hours of use, re-torque all bolts.
- 28. Check all fasteners regularly to ensure proper operation of equipment.

