

FH-400 Case Magnum Suspended Axle 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 10 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 and right rail (PN: 44-12995-R,L) to attach the rails to the tractor frame.
 - **8.** If there is a ground boss where the side rails attached to the tractor, use a 20mm x 100mm bolt (PN: 16-1877) with a 3/4" washer (PN: 57-20747) along with the ground boss instead of a 20mm x 50mm bolt.
 - **9.** 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.
- **10.** Once all bolts are installed, torque the front 20mm bolts to 432 ft-lbs.
- 11. Torque the 20mm bolts on the side rails to 432 ft-lbs.
- **12.** Torque the 1" bolts attaching the side rails to the U/C to 903 ft-lbs.
- **13.** Carefully remove the front bolts holding the drawbar bracket to the tractor rear axle housing. Discard the removed bolts.
- **14.** Install a 1" x 3" bolt (PN: 16-20562) and a 1" nut (PN: 70-20599) on the front end of the push pole (PN: 17-14955). Turn the 1" bolt in for installation. The bolt will be adjusted after the push pole is installed. See the attached diagram for proper installation of the bolt and nut.
- **15.** Position the push pole (PN: 17-14955) under the tractor. See the attached diagram for the correct orientation of the push pole.

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- **16.** Attach the rear of the push pole to the drawbar under the rear axle with 2 18mm bolts (PN: 16-1815080) and a 3/4" flat washer (PN: 57-20747) on each bolt. See attached diagram clarification.
- 17. Lift the end of the push pole with the installed bolt and nut from Step #14 up to the U/C.
- **18.** Attach the push pole to the U/C with 2 1" x 2-1/2" bolts (PN: 16-20560), 4 1" flat heavy duty washers (PN: 57-20819), and 1 1" nuts (PN: 70-20599) for each side. Tighten finger tight.
- **19.** Push the push pole back tight against the drawbar bracket.
- 20. Torque the 18mm x 80mm bolts to 405 ft-lbs.
- **21.** Torque the 4 front 1" bolts on the push pole to 903 ft-lbs.
- **22.** Unscrew the 1" x 3" bolt at the front of the push pole until it is tight against the U/C. Torque the 1" bolt to 90-95 ft-lbs.
- **23.** Tighten the nuts up tight against the push pole. Use the nuts to lock the bolts in place.
- **24.** After first 8 hours of use, re-torque all bolts.
- **25.** Check all fasteners regularly to ensure proper operation of equipment.

