



# FH-400 John Deere 9000 Kneeler Series

## Undercarriage Installation Instructions

### **Caution:**

- Always use precaution when working around any equipment.
- Always wear safety glasses.
- Follow tractor manufacture's safety guidelines when installing this product.
  1. Read all instructions prior to performing installation.
  2. Remove toolbox and front axle support if equipped.
  3. Position undercarriage (U/C) under tractor, center on the frame of the tractor.
  4. Lift U/C until vertical holes in U/C line up with the vertical axle mount holes.
  5. Install 8 - 24mm X 150mm bolts (PN: 16-1875) with an axle mount washer (PN: 57-3098) on each bolt into the vertical holes on the axle. Finger tighten the bolts.
  6. Insert all 7/8" x 3" bolts (PN: 16-20542) with a 7/8" heavy flat washer (PN: 57-8836) on each bolt into the horizontal holes on the U/C and tractor frame.
  7. After the bolts are through the tractor frame, attach with a 7/8" flat washer (PN: 57-20818) and a 7/8" nut (PN: 70-20598) on each bolt. See attached diagram for clarification.

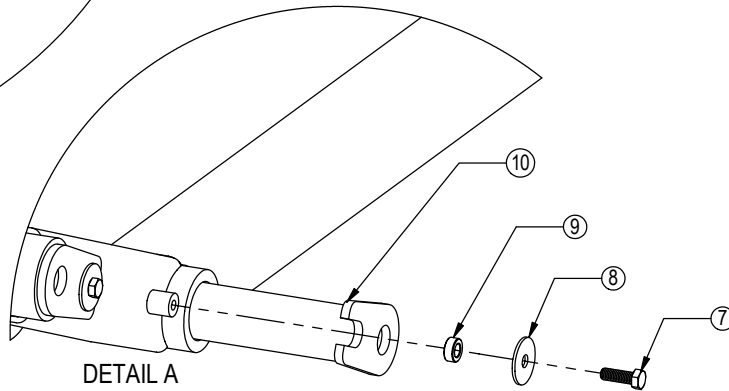
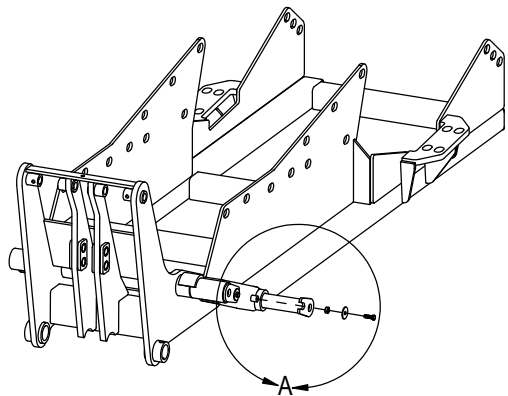
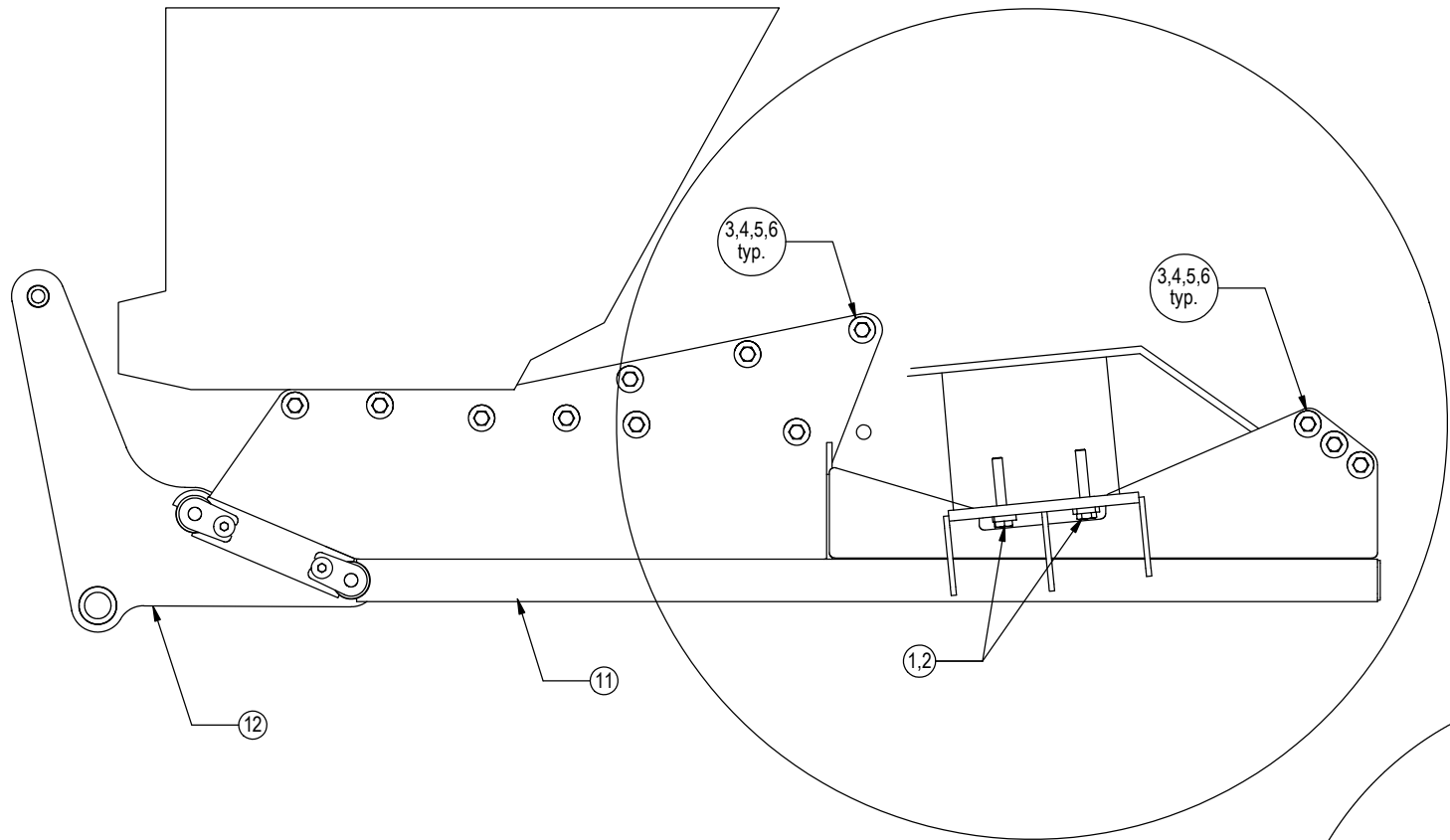
**Note: Some tractor frames may require existing holes sizes to be increased to 15/16" to accept the 7/8" mounting bolts.**

**Note: The front four 15/16" holes will have to be drilled into the tractor frame. The drilling will be done in Step 9.**

8. Once all usable bolt holes have been used, torque the vertical 24mm bolts to 909 ft-lbs. and the horizontal 7/8" bolts to 600 ft-lbs.
9. Using the U/C as a guide, drill 4 - 15/16" holes through the side of the tractor frame.

**Caution: When drilling, be aware of all parts behind the material being drilled so that you do not mistakenly hit or puncture the incorrect parts.**
10. Install the remaining 7/8" bolts into the previously drilled holes. Refer to Steps 6 and 7 for proper installation of bolts, washers and nuts. See attached diagram for clarification
11. Torque the remaining 7/8" diameter bolts to 350 ft-lbs.
12. After first 8 hours of use, re-torque all bolts.
13. Check all fasteners regularly to ensure proper operation of equipment.

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Item No.	Qty.	Part No.	Description
1	8	16-1875	24mm x 3.0mm x 150mm Metric Hex Bolt Gr 10.9
2	8	57-3098	2.50 O.D. x 1.05 I.D. x .50 Thick
3	24	16-20542	7/8" X 3" Hex Bolt Gr 8 NC
4	24	57-8836	2.50 O.D. x .875 I.D. x .50 Thick
5	24	57-20818	7/8" Flat Washer Heavy Duty Gr 8
6	24	70-20598	7/8" Hex Nut Gr 8 NC
7	2	16-20126	1/2" X 1-1/2" Hex Bolt Gr 5 NC
8	2	57-20794	1/2" Fender Washer (2.00" ODx .500"ID x .125")
9	2	44-8490	Non rotating pin spacer
10	2	43-1355	Fh-400 Kneeler Pin Assy
11	1	54-1350	FH-400 UC JD 9000 Series Kneeler
12	1	43-9610R1	FH-400 Mount (Kneeler)

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TITLE		DWG. NO.
JD 9000 FH400		1424
Date:	Scale:	Sheet:
7/11/06	None	1