



FH-400 CAT 35, 45, 55 Series

Undercarriage Installation Instructions

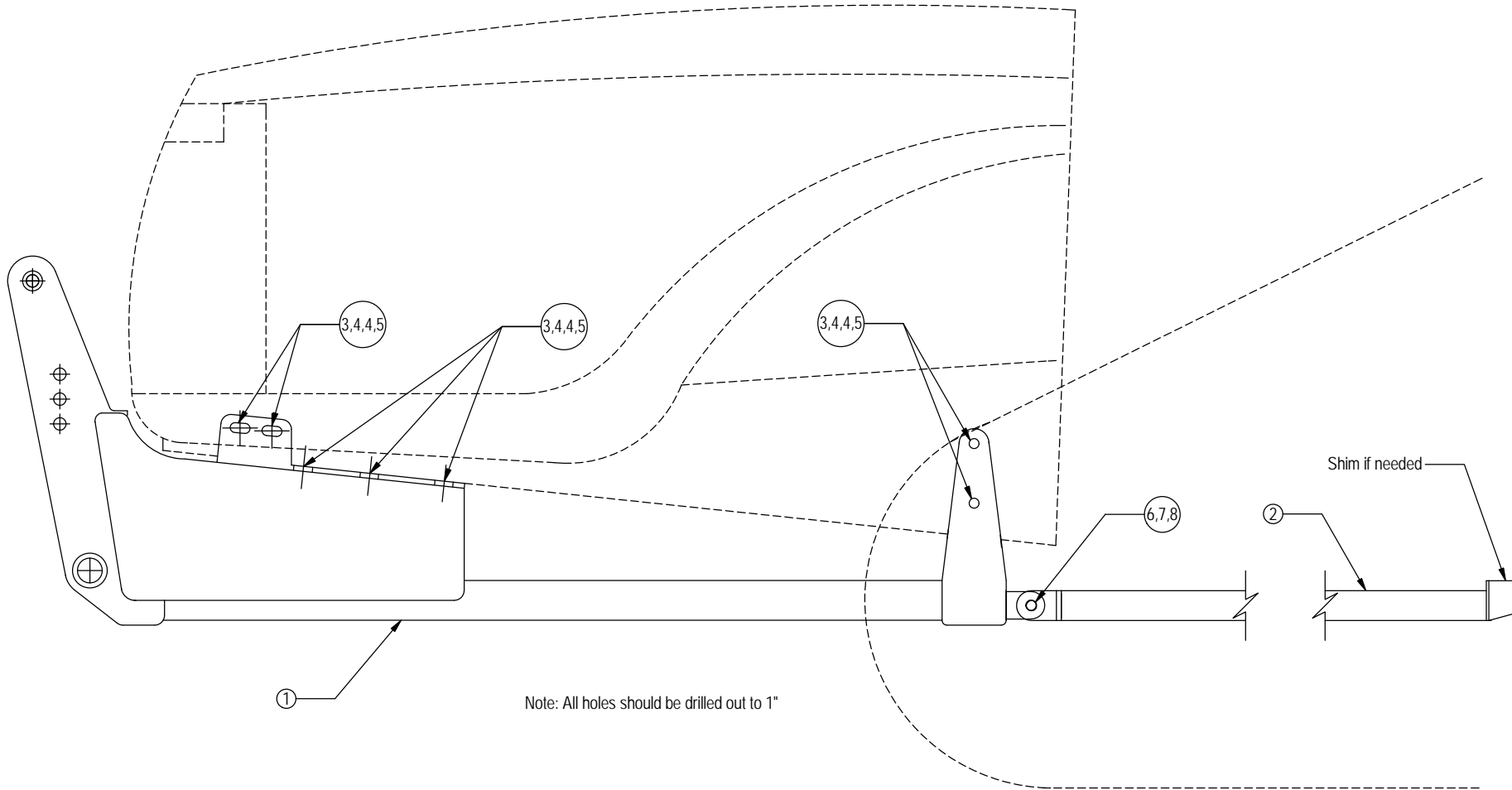
Caution:

- 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 mounting bracket from front or bottom of tractor.
 3. Position the undercarriage (U/C) under the tractor and center with the frame of the tractor.
 4. Drill out the existing front and rear side holes on the tractor frame to 1". See attached diagram for clarification.

Caution: When drilling, be aware of all parts behind the material being drilled so that you do not mistakenly hit or puncture components on engine side of tractor frame.
 5. Lift the U/C until the holes on the U/C line up with the holes on the tractor frame.
 6. Insert 8 - 7/8" x 2-1/4" bolts (PN: 16-20539) with a 7/8" flat washer (PN: 57-20818) on each bolt into the previously drilled out holes.
 7. After all 8 bolts are through the tractor frame, attach with a 7/8" flat washer (PN: 57-20818) and 7/8" nut (PN: 70-20598) on each bolt. Tighten finger tight.
 8. Inspect the bottom of the tractor side frame rails. If holes exist, drill out 3 holes on each side to 1"
 9. If holes do not exist, use the U/C frame as a guide and drill 6 vertical 1" holes through 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 components on engine side of tractor frame.
 10. Install 6 - 7/8" x 2-1/4" bolts (PN: 16-20539) with a 7/8" flat washer (PN: 57-20818) on each bolt in the previously drilled holes. See attached diagram for clarification.
 11. After all 6 bolts are through the tractor frame, attach with a 7/8" flat washer (PN: 57-20818) and 7/8" nut (PN: 70-20598) on each bolt.
 12. Once all bolts are installed, torque all the bolts to 600 ft-lbs.
 13. Lift the push pole up. Put the end cap of the push pole over the drawbar. With the push pole tight against the drawbar, measure the distance between the ear hole of the push pole and the ear hole of the U/C.
 14. Take the push pole down and add shims (PN: 44-7221) to provide the extra length needed to line up the ear hole of the push pole with the ear hole of the U/C to attach the push pole.

Note: Adjust drawbar if drawbar is not in the right location and more length is needed.
 15. Attach push pole to the U/C with 1" pin (PN: 43-3472), 1" flat washer (PN: 57-20749), and pin clip (PN: 43-7767).
 16. After first 8 hours of use, re-torque all bolts.
 17. Check all fasteners regularly to ensure proper operation of equipment.



Note: All holes should be drilled out to 1"

ITEM NO.	QTY	PART NO.	DESCRIPTION
1	1	15-1675	FH-400 UC Challenger 35, 45, 55 Series Rev1
2	1	17-3650	FH-400 Challenger 35, 45, 55 Push Pole (73.75")
3	14	16-20539	7/8" X 2-1/4" Hex Bolt Gr. 8 NC
4	28	57-20818	7/8" Flat Washer Heavy Duty Gr. 8 (USS)
5	14	70-20598	7/8" Hex Nut Gr. 8 NC
6	1	43-3472	1" Pin
7	1	57-20749	1" Flat Washer
8	1	43-7767	Pin Clip
9	8	44-7221	Shim



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TITLE Cat 35, 45, 55 Mounting Inst.		DWG. NO. 54-3491
Date: 2/25/08	Scale:	Sheet: 1