



760 John Deere 9R 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 performing installation.
2. If applicable, remove front weights, weight bracket, toolbox, and front axle brace from front of tractor.

NOTE: If lift frame has a lift frame guard, remove the front bumper from the front of the tractor.

3. If the bulkhead bracket (PN: 18-14249 or 18-15593) is not factory installed, attach to the undercarriage (U/C) with 2 - 1/2" x 1-1/4" bolts (PN: 16-20125) and 1/2" flat washers (PN: 57-20744). Refer to parts book for bulkhead fittings, steel lines, and hose locations.
4. If bulkhead covers (PN: 44-14247 & 44-14246 or 44-15596) are not factory installed, verify that all hydraulics are installed correctly and then attach the covers to the U/C with 6 - 1/2" x 1-1/4" bolts (PN: 16-20125) and 1/2" flat washers (PN: 57-20744).
5. Attach the left and right axle brackets (PN: 18-15380-R,L) to the axle with 6 - 24mm X 150mm bolts (PN: 16-1875) and 6 - axle mount washers (PN: 57-3098) into the vertical holes on each side. Finger tighten the 24mm bolts until the brackets are against the axle. Slide the brackets outward away from center of tractor to allow room to install the undercarriage.

NOTE: Some tractors only have 4 holes in the axle. The installation instructions are still compatible, but only use 4 bolts and washers instead of 6 in Step #5.

6. Before lifting the undercarriage in place, install 2 - 7/8" X 2-1/2" bolts (PN: 16-20540) with a 7/8" flat washer (PN: 57-20818) on each bolt from the inside of the undercarriage into the 2 center bolting locations where the axle brackets will be attached to the undercarriage on each side. Refer to attached diagram for any clarification. Be careful when lifting undercarriage into place that these bolts don't hit the axle brackets.
7. Position undercarriage under tractor, center on the frame of the tractor. Lift U/C until holes in U/C line up with holes in the side of the tractor frame.

NOTE: Add shims between the U/C and the tractor frame to reduce any gap if necessary. Use shims till there is a gap of 1/16" or less on the front shim with 6 holes. See attached diagram for the proper location and orientation of each spacer.

8. Install 6 - 7/8" X 2-1/2" bolts (PN: 16-20540) with a 7/8" hardened flat washer (PN: 57-20758) on each bolt through the front holes on each side of the U/C and the tractor frame. See attached diagram for any clarification.
9. Install 10 - 7/8" X 2-1/2" bolts (PN: 16-20540) with a 7/8" heavy washer (PN: 57-3681) on each bolt through the remaining holes on each side of the U/C and the tractor frame. See attached diagram for any clarification.
10. After all the bolts are through the tractor frame, attach with a 7/8" hardened flat washer (PN: 57-20758) and a 7/8" nut (PN: 70-20598) on the 6 front bolts on each side and a 7/8" heavy flat washer (PN: 57-20818) and 7/8" nut (PN: 70-20598) on each of the remaining bolts.
11. Slide the axle brackets toward the center of the tractor and attach the left and right axle brackets to the U/C with a 7/8" heavy washer (PN: 57-3681) and a 7/8" nut (PN: 70-20598) on each bolt that was installed in Step #6.

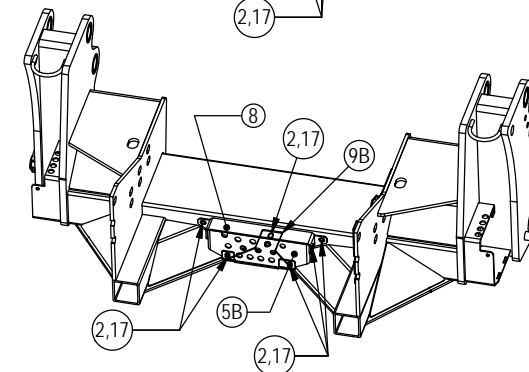
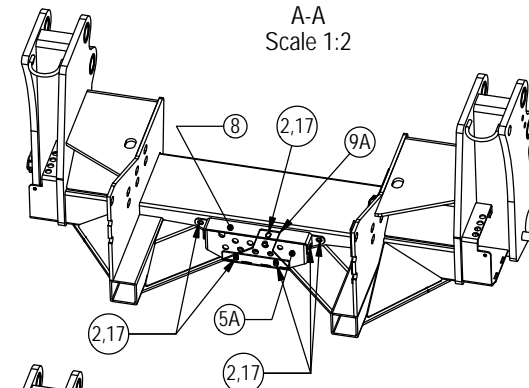
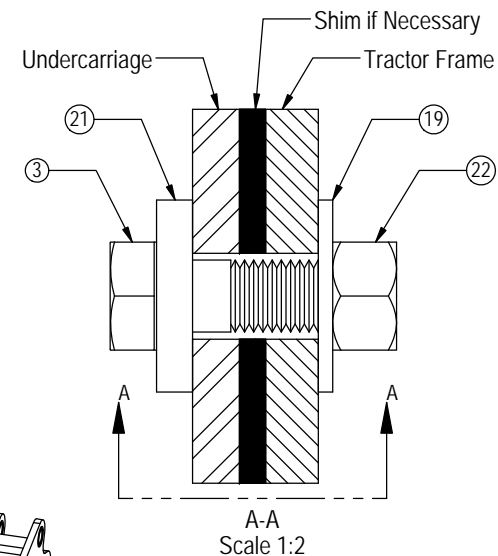
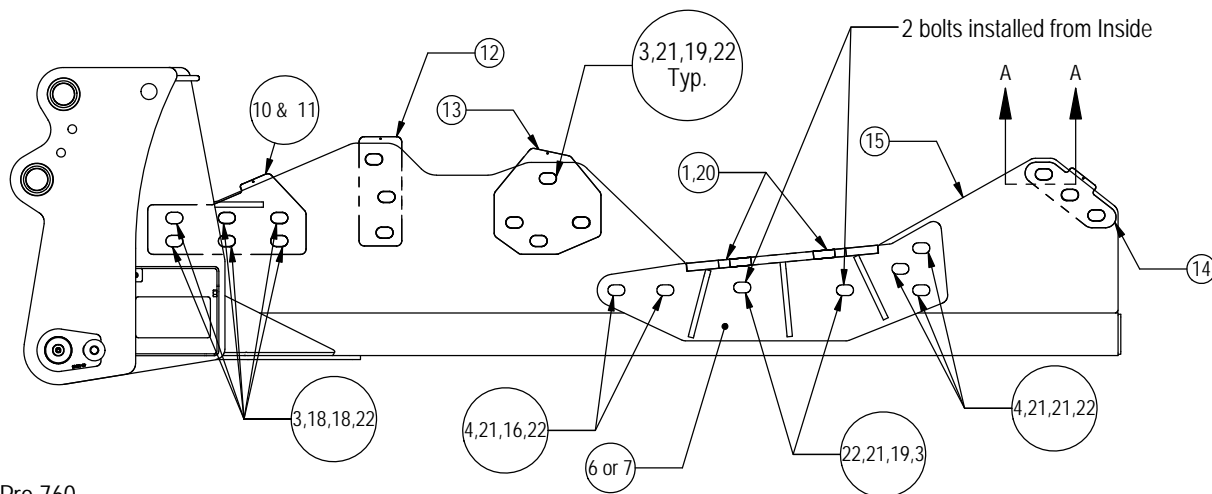
12. Install 5 - 7/8" X 3" bolts (PN: 16-20542) with a 7/8" heavy washer (PN: 57-3681) on each bolt for the remaining holes in each of the axle brackets. Bolts can be installed from the outside
13. After all the bolts are through the U/C holes, attach with a 7/8" clipped heavy washer (PN: 57-15594) and a 7/8" nut (PN: 70-20598) on the front 2 bolts on each side.
14. Use a 7/8" heavy washer (PN: 57-3681) and a 7/8" nut (PN: 70-20598) on the remaining bolts.
15. Verify that all bolts are tight and spacers are used where needed between the tractor frame and undercarriage.
16. Torque 7/8" bolts on one side of the undercarriage to 600 ft-lbs.
17. Add shims on opposite side of undercarriage if needed to insure a gap of 1/16" or less.
18. Torque the 24mm bolts to 909 ft-lbs., torque the 7/8" bolts on the axle bracket to 600 ft-lbs. and then torque the remaining 7/8" bolts to 600 ft-lbs.
19. After first 8 hours of use, re-torque all bolts.
20. Check all fasteners regularly to ensure proper operation of equipment.

Special Note

John Deere 9R tractors (non scraper versions) can experience a condition that will cause a cavitation or squealing in the hydraulic pump. This cavitation will cause a chatter when the operator raises their blade. Another symptom is a spongy feel in the lift circuit that will result in the blade wanting to ride up the pile instead of stay where the operator intended.

If you are experiencing these conditions and would like to fix it, please refer to John Deere Accumulator Kit RE337241

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Item #A for Ag Pro 760
 Item #B for Ag Pro 12-20
 Note: Install all bolts before tightening.

Item No.	Qty.	Part No.	Description
1	12	16-1875	24mm x 3.0mm x 150mm Metric Hex Bolt Gr. 10.9
2	8	16-20125	1/2" x 1-1/4" Hex Bolt Gr 5 NC
3	36	16-20540	7/8" x 2-1/2" Hex Bolt Gr 8 NC
4	10	16-20542	7/8" x 3" Hex Bolt Gr 8 NC
5A	1	18-14249	Bracket, Bulkhead - 760 AG Pro
5B	1	18-15593	Bracket, Bulkhead - 760 AG Pro 12-20
6	1	18-15380-L	760 JD 9R Axle Bracket Left
7	1	18-15380-R	760 JD 9R Axle Bracket Right
8	1	44-14247	Plate, Top Bulkhead Cover - 760 Ag Pro
9A	1	44-14246	Plate, Bottom Bulkhead Cover - 760 Ag Pro
9B	1	44-15596	Plate, Bottom Bulkhead Cover - 760 AG Pro 12-20
10	2	44-15543	760 JD 9R - 1/8" Shim Plate - Front
11	2	44-16811	760 JD 9R - 16 gage Shim Plate - Front
12	2	44-11847	660 & 760 JD 9030W & 9R - Shim Plate - Mid-Front
13	2	44-15573	760 JD 9R - Shim Plate - Mid-Rear
14	2	44-11849	660 & 760 JD 9030W & 9R - Shim Plate - Rear
15	1	54-15730	760 JD 9R Undercarriage
16	4	57-15594	2.25" O.D. x .875" I.D. x .375" Washer CZ Plated (Clipped Washer)
17	8	57-20744	1/2" Flat Washer
18	24	57-20758	7/8" SAE Hardened Flat Washer - 1-3/4" OD
19	24	57-20818	7/8" Flat Washer Heavy Duty Gr. 8 (USS)
20	12	57-3098	2.50" O.D. x 1.05" I.D. x .50" Washer CZ Plated (JD Axle Washer)
21	40	57-3681	2.25" O.D. x .875" I.D. x .375" Washer CZ Plated (JD Axle Washer)
22	46	70-20598	7/8" Nex Nut Gr 8 NC



GROUSER PRODUCTS INC.

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

TITLE: 760 JD 9R Series UC Assy.

Date: 7/26/2012

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