



John Deere 8020

Undercarriage Installation Instructions

For Models:

8020 without ILS: 8120, 8220, 8320, 8420

Purchase Date
Serial Number
Model Number
Tractor Model
Dealer

To The Owner

This manual contains information concerning the installation of the undercarriage. You have purchased dependable, long lasting equipment, but only by proper care and operation can you expect to receive the performance and long service built into our products. Please have all operators read this manual carefully and keep the manual available for ready reference. If you have any questions or concerns, contact Grouser Products.

Caution:

- Always use caution when working around any equipment.
- Always wear safety glasses.
- Follow tractor manufacturer's safety guidelines when installing this product.
- Use paint where necessary to prevent rust.
- Do not modify or permit anyone else to modify or alter the equipment and its components without first consulting Grouser Products.

Note:

- When installing hardware, only finger tighten until all hardware is in place.
- A full diagram of the assembly with the full list of parts is on page 3.
- Unstrap and remove any components that are attached for shipping.
- Read all instructions prior to performing installation.



To ensure the safety of those working under and around the machine, apply parking brake, remove key from ignition, and block tires before working on the machine.

Installation

1. Remove weights and weight bracket from front of tractor if necessary.
2. Attach conversion bracket (PN: 18-11620) to rear of the U/C with 4 - 3/4" x 1-3/4" bolts and a 3/4" flat washer on each bolt.

NOTE: Bolt head and washer should be on the U/C side.

NOTE: Verify that end of bolts are flush with conversion bracket. If not flush, grind down end of bolt to ensure that bolt is indeed flush with bracket.

3. Position undercarriage under tractor and center with frame of tractor.

NOTE: When lifting undercarriage, watch for potential pinching of hoses or any other components to prevent damage.

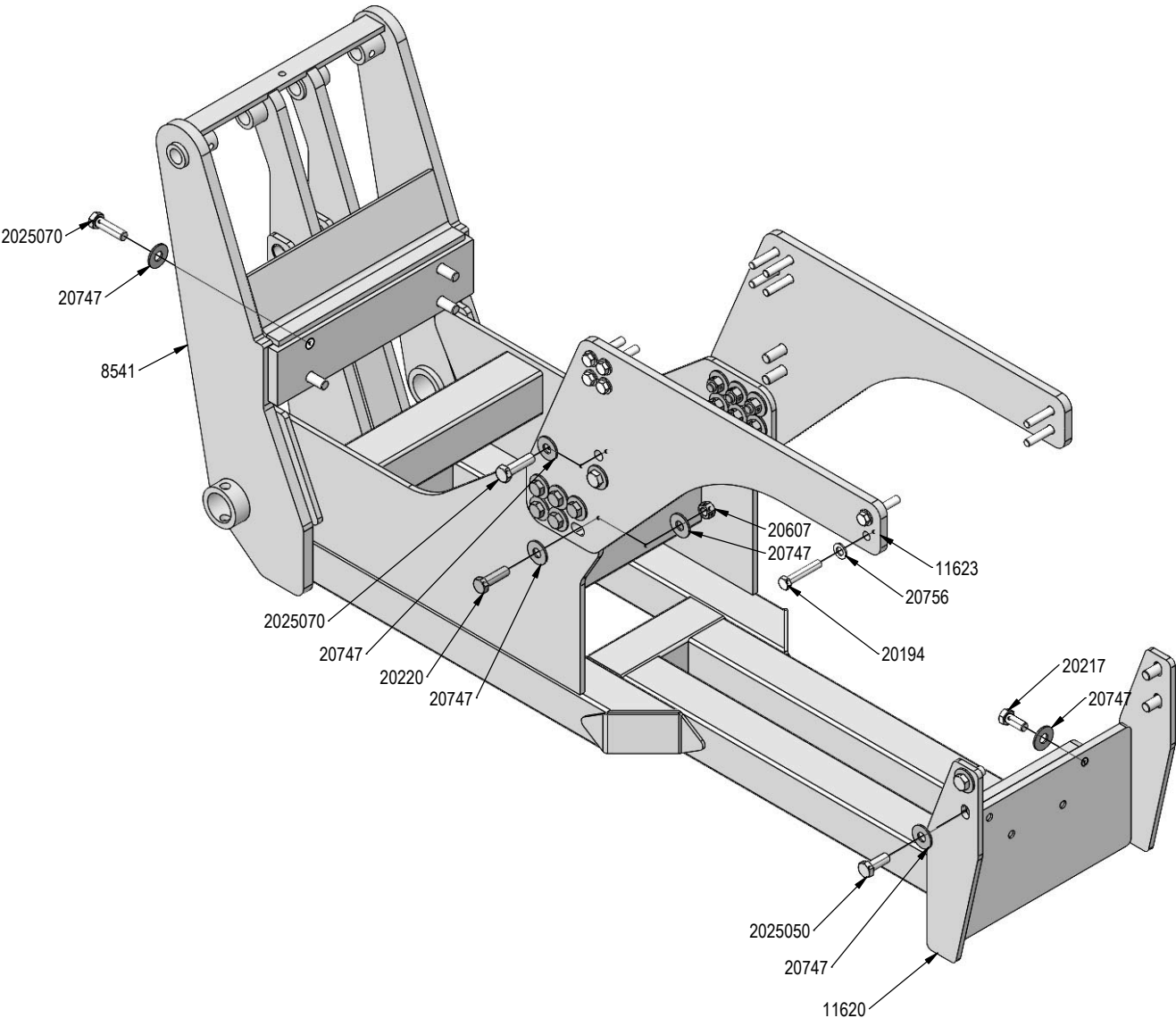
4. Lift undercarriage until holes on tractor line up with undercarriage holes.
5. At front of tractor, use 4 - 20mm x 70mm bolts with a 3/4" washer on each bolt to attach the undercarriage to front of tractor. See attached diagram for clarification.
6. Raise rear of undercarriage until holes on tractor line up with bracket holes.
7. Attach bracket to tractor with 4 - 20mm x 50mm bolts with a 3/4" washer on each bolt.
8. Attach side rails to sides of the U/C with 6 - 3/4" x 2-1/2" bolts, 12 - 3/4" flat washers, and 6 - 3/4" nuts for each side rail.
9. Start 6 - 5/8" x 3-1/2" bolts with a 5/8" flat washer on each bolt through the top holes of the left and right rail and the tractor frame.
10. Start 2 - 20mm x 70mm bolts with a 3/4" flat washer on each bolt through the lower two holes of the left and right rail and the tractor frame.
11. Once all bolts are installed, torque all 20mm bolts to 432 ft-lbs., all 3/4" bolts to 257 ft-lbs., and all 5/8" bolts to 154 ft-lbs.

Note: The installer is responsible to route hoses in a practical manner, to protect the hoses around sharp corners and moving objects, and secure hoses.

Maintenance

1. After first 8 hours of use, re-torque all bolts.
2. Check all fasteners regularly to ensure proper operation of equipment.
3. Inspect all equipment for existing or potential damages every 10 hours or less.

PART NO.	Qty.	DESCRIPTION
8541	1	Undercarriage Weld
11620	1	8000 U/C - 8020 Adapter
11623	2	Plate, Side Rail
20756	12	5/8" SAE Hardened Flat Washer - 1-5/16" OD
20194	12	5/8" X 3-1/2" Hex Bolt Gr 5 NC CZ
2025070	8	M20-2.5 x 70mm Class 10.9 Hex Bolt CZ
20747	40	3/4" Flat Washer CZ
20220	12	3/4" X 2-1/2" Hex Bolt Gr 5 NC CZ
20607	12	3/4" Hex Center Lock Nut Gr 5 NC CZ
2025050	4	M20-2.5 x 50mm Class 10.9 Hex Bolt CZ
20217	4	3/4" X 1 3/4" Hex Bolt Gr 5 NC CZ



Improvements

Grouser Products Inc. is continually striving to improve its products. We reserve the right to change prices, specification, or equipment at any time without notice. We also reserve the right to make improvements or changes when it becomes practical and possible to do so without incurring any obligation to make changes or additions to the equipment sold previously.

Warranty

Grouser Products warrants to the original purchaser of each item that the product be free from defects in material and workmanship under normal use and service for a period of **two (2) years for Agriculture Series Blades and one (1) year for Heavy Duty Series from date of original retail delivery.**

The obligation of the consumer under this warranty:

1. To read the operators manual and to operate, lubricate, maintain and store equipment in accordance with the instructions listed in the operators manual.
2. To inspect equipment and if any part needs repair or replacement when continued use would cause damage or wear to other parts or safety.
3. All equipment or parts claimed to be defective in material or workmanship must be made available for inspection at the place of business of a dealer authorized to handle the equipment covered by this warranty, or, upon request by Grouser Products, shipped to the Grouser Products factory in West Fargo, North Dakota.

The obligation of the dealer under this warranty:

1. Complete warranty registration form and submit within 30 days of sale.
2. Contact Grouser Products for authorization prior to performing any warranty repairs or part replacement.
3. Complete warranty request form and submit with photos and supporting documentation.

The obligation of Grouser Products under this warranty:

1. Repair or replace, any equipment or parts, in the judgment of Grouser Products to be defective in material or workmanship.
2. Grouser Products will cover the cost of parts and ground shipping at dealer invoice only.
3. Grouser Products shall have no obligation to bear the cost of labor or transportation in connection with replacement or repair of any such defective parts.

This warranty does not cover:

1. Depreciation or damage caused by normal wear, accident, improper assembly, improper adjustments.
2. Improper maintenance including lack of proper lubrication, or improper use. Including loose bolts, nuts, or fitting due to over tightening or vibration after 20 hours of operation.
3. Repairs or alterations without authorization from a Grouser Products representative.
4. Grouser Products shall have no liability if the equipment has been altered or reworked without the written authorization of Grouser Products.

Grouser Products' parts, which are furnished under this warranty and properly installed, shall be warranted to the same extent as the original parts under this warranty if, and only if, such parts are found to be defective within the original warranty period covering the original equipment.

NO EMPLOYEE OR REPRESENTATIVE OF GROUSER PRODUCTS IS AUTHORIZED TO CHANGE THE WARRANTY IN ANY WAY OR GRANT ANY OTHER WARRANTY.

Contact Us

As always, if you have any questions about your system or other products made by Grouser, feel free to contact us.



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