



Fendt 700

OEM Front 3-Point Hitch Support Installation Instructions

For Models:

Fendt 700:

714, 716, 718, 720, 722, 724

Purchase Date
Serial Number
Model Number
Tractor Model
Dealer

To The Owner

This manual contains information concerning the installation of the front support. 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.



Serial Number Location

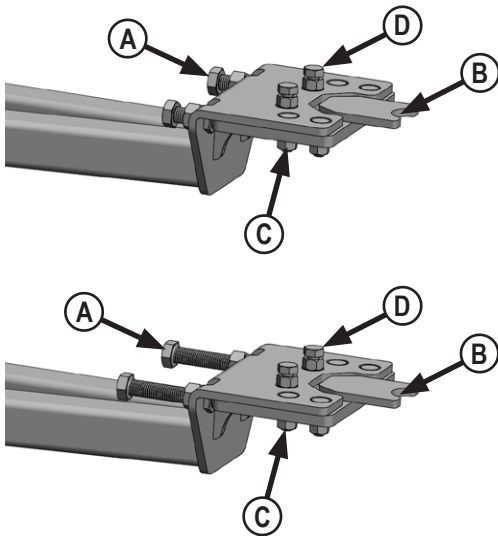
Note:

- 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 pages 4-5.
- 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.

Pre-Installation



1. For Tier 4 Interim tractors, install 2 - 1" x 3" bolts and 2 - 1" nuts at rear of support frame. Tighten bolts until end of bolt is flush with the weld in nut (A). The bolts will be adjusted in Step #13. Keep nuts against bolt head. Continue with Step #3
2. For S4 and later tractors, install 2 - 1" x 6" bolts and 2 - 1" nuts at rear of support frame. Tighten bolts until end of bolt is flush with the weld in nut (A). The bolts will be adjusted in Step #13. Keep nuts against bolt head. Continue with Step #3
3. Attach push bracket (B) to rear of support frame with 4 - 3/4" flat washers and 4 - 3/4" nuts (C). Install bracket with small plate on top. Push bracket forward up against 1" bolts installed in Step #1 or #2.
4. Install 2 - 3/4" x 1-3/4 bolts with 2 - 3/4" nuts (D) in top of rear plate on support frame. Turn bolts in to allow room for installing support frame.

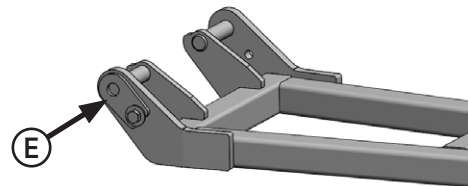
Installation

5. Center front support under tractor.
6. Support front lifting arms and remove retaining hardware and pins attaching front lifting arms to tractor.

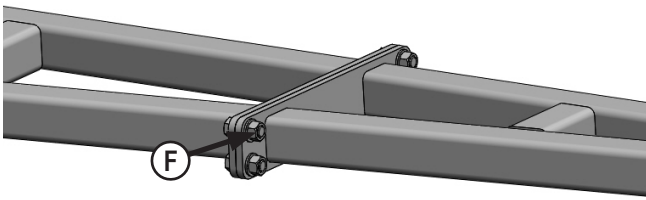


Caution: When lifting front and rear support, watch for potential pinching of hoses or other components to prevent any damage.

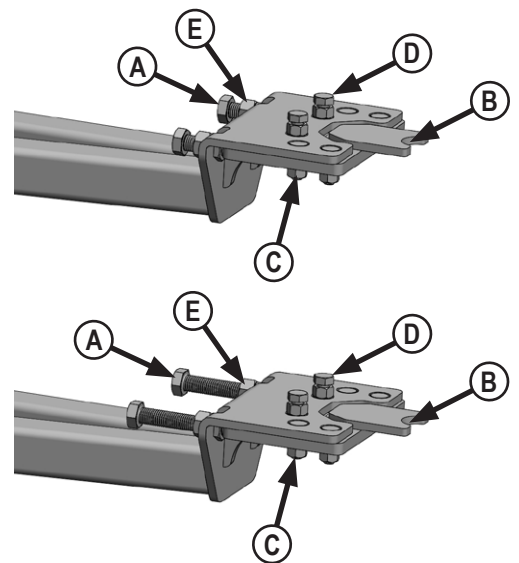
7. Raise front support until support ears line up with tractor frame ears and front lifting arms.



8. Install new pins and secure with 2 - 3/4" x 2-1/2" bolts, 2 - 3/4" flat washers, 2 - spacers and 2 - 3/4" nuts (E).



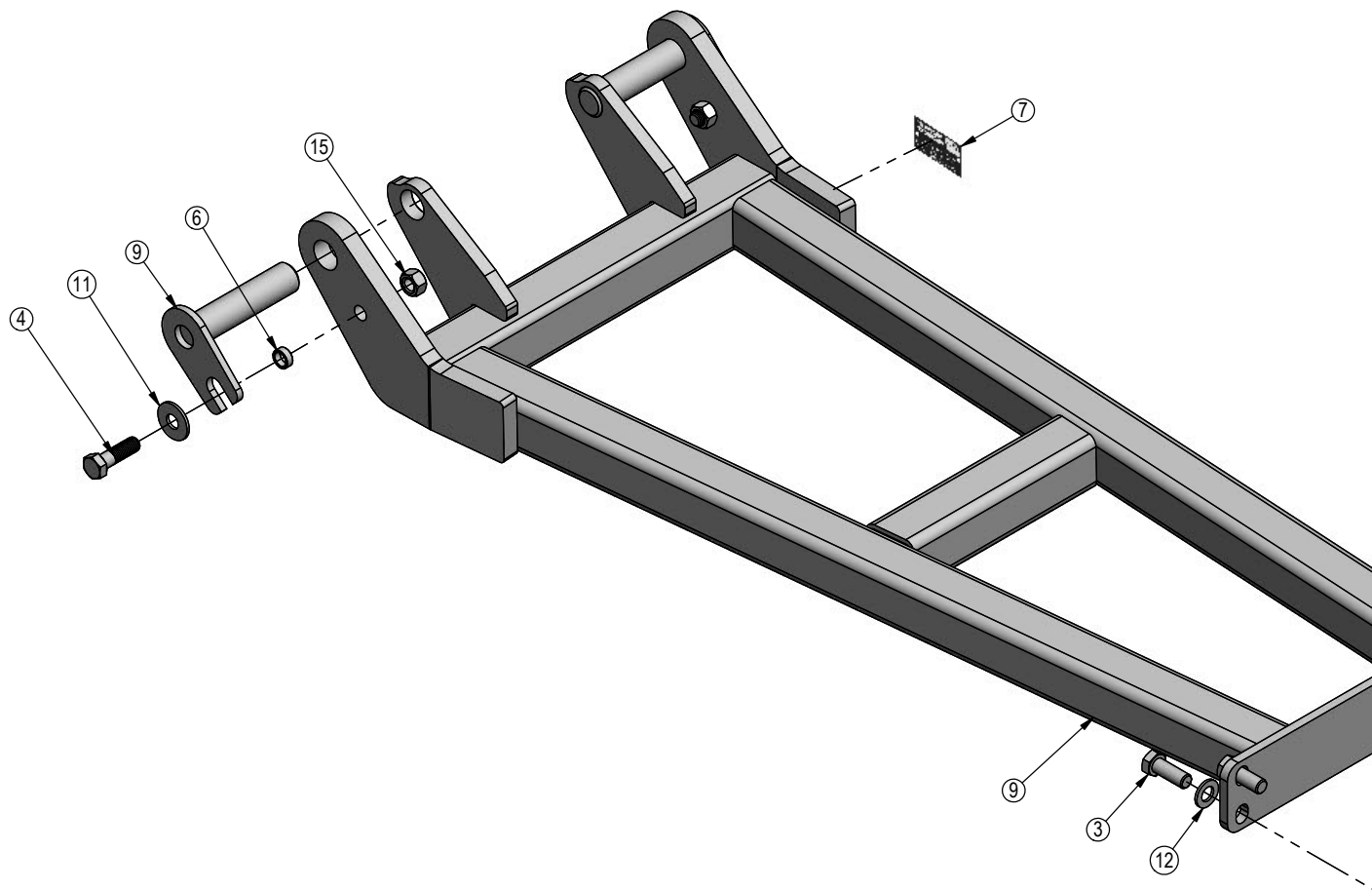
9. Raise rear support frame and place rear push bracket on top of drawbar bracket.
10. Attach front support frame to rear support frame with 4 - 3/4" x 2" bolts, 8 - 3/4" flat washers and 4 - 3/4" nuts (F).
11. Torque front 3/4" bolts (E) to 257 ft-lbs.
12. Torque middle 3/4" bolts (F) to 257 ft-lbs.



13. Evenly tighten 1" bolts (A) at rear of rear support until push bracket (B) is tight against tractor casting. Torque 1" bolts to 90-95 ft-lbs.
14. Tighten nuts (E) against rear support frame to lock 1" bolts in place
15. Tighten bottom 3/4" nuts (C) against rear support frame. Torque 3/4" bolts to 257 ft-lbs.
16. Evenly unscrew top 3/4" bolts (D) at rear of rear support until tight against tractor casting. **FINGER TIGHTEN ONLY.**
17. Tighten 3/4" nuts (D) against top plate of rear support frame to lock the 3/4" bolts in place. **DO NOT OVERTIGHTEN.**
18. **Check the steering clearance at front support ears.** The minimum clearance between front support pin and tire should be about 1". If necessary, purchase steering stops from your local dealership.

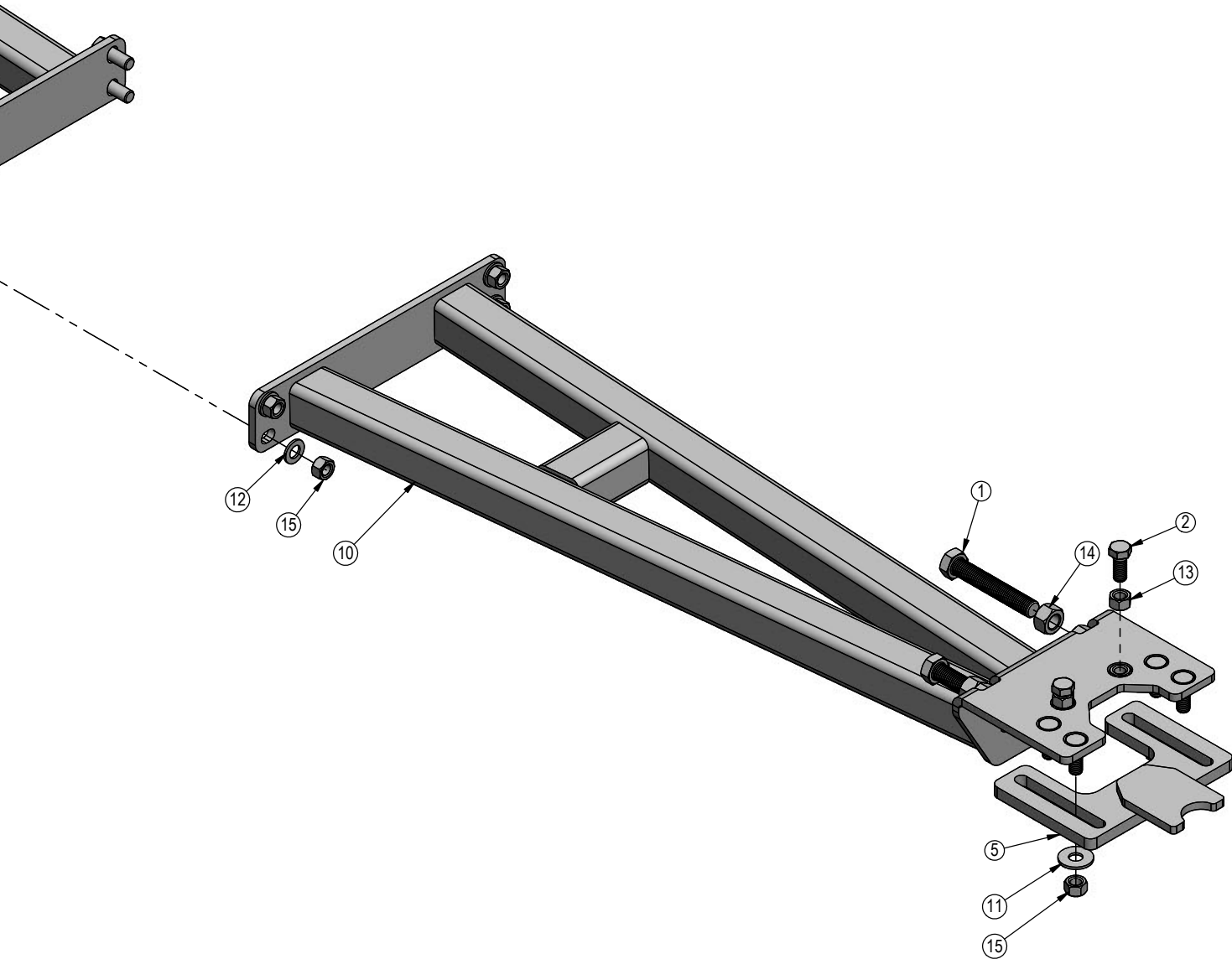
Maintenance

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.



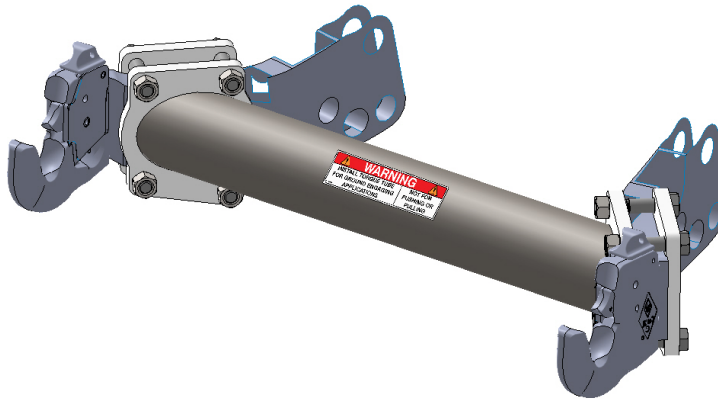
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1A	2	16-20562	1" x 3" Hex Bolt Gr 8 NC
1B	2	16-17271	1" X 6" Hex Bolt Gr 8 NC (Full Thread)
2	2	16-20217	3/4" x 1-3/4" Hex Bolt Gr 5 NC
3	4	16-20218	3/4" x 2" Hex Bolt Gr.5 NC
4	2	16-20220	3/4" x 2-1/2" Hex Bolt Gr 5 NC
5	1	18-40473	Bracket, Rear
6	2	19-13515	Spacer, NR Pin
7	1	NA	Grouser Dozer Metal Serial Tag
9	2	43-16895	Pin Weld
9	1	54-43700	Undercarriage, Front
10	1	54-43705	Undercarriage, Rear
11	6	20747	3/4" Flat Washer
12	8	57-20757	3/4" Flat Washer - 1-1/2" OD
13	2	70-20587	3/4" Hex Nut Gr 5 NC
14	2	70-20589	1" Hex Nut Gr 5 NC
15	10	70-20607	3/4" Center Lock Hex Nut

Item #1A for Tier 4I and Item #1B for S4 and Later



Torque Arm Installation Instructions

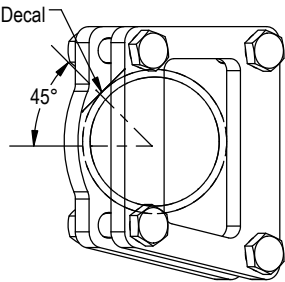
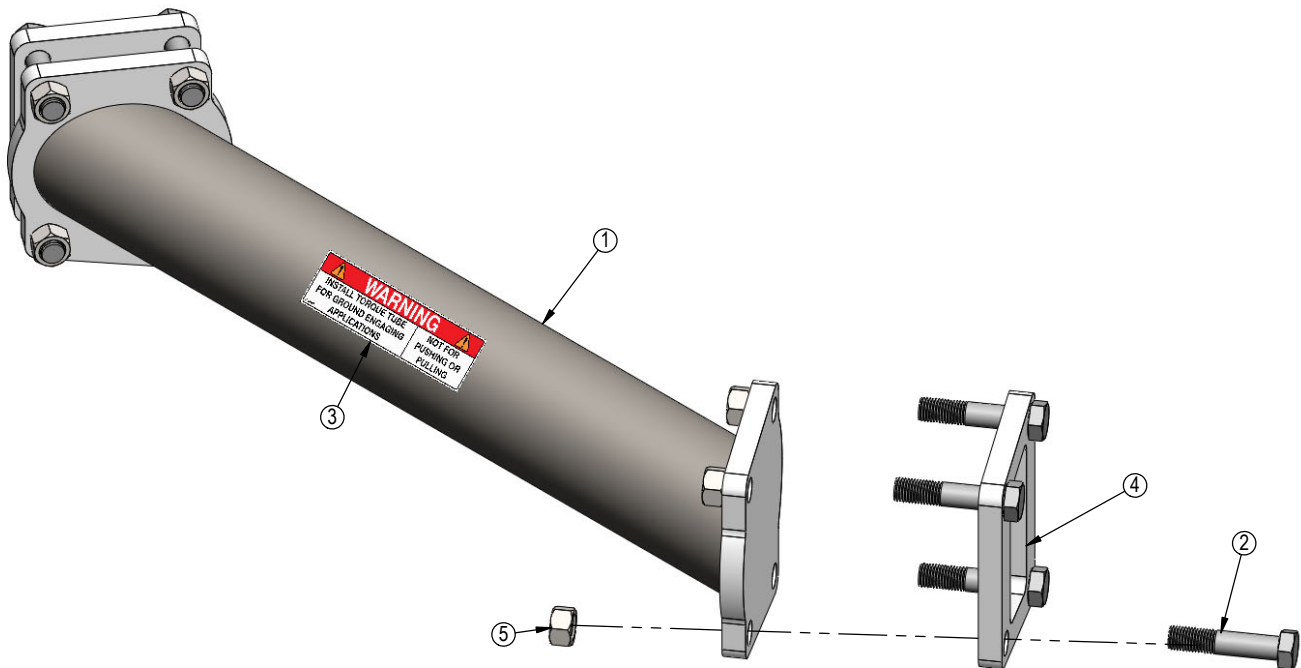
1. Set front hitch arms to fixed position. The front hitch arms cannot be in float with torque arm installed.
!!!The front hitch arms cannot be in float with the torque arm installed!!! Refer to tractor manufacturer's operator's manual for front hitch arms fixed position pin location.
 2. Position torque arm between front hitch arms. The longest edge of plate should be closest to tractor and angled edge on bottom. See photo below for correct orientation.
 3. Support torque arm and install a bolting plate with 8 - 3/4" x 3-1/2" bolts and 8 - 3/4" nuts.
 4. Once bolts are all installed, push torque arm evenly towards tractor. Keep torque arm parallel to front of tractor.
 5. Torque 3/4" bolts to 100 ft-lbs.
 6. After first 8 hours of use, re-torque all bolts.
 7. Check all fasteners regularly to ensure proper operation of equipment.
- Note:** Torque arm can not be installed when front PTO is in use.



Note: The style of front hitch arms may vary slightly.



ITEM NO.	Qty.	PART NO.	DESCRIPTION
1	1	11-42165	Torque Arm
2	8	16-20224	3/4" x 3-1/2" Gr.5 Hex Bolt NC
3	1	27-40405	Warning Decal - Torque Arm
4	2	44-42163	Plate
5	8	70-20607	3/4" Center Lock Hex Nut



Placement of Warning Decal

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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