



# RAM 2019-Up 1500 Big Brake Kit

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Periodically check all hardware for tightness.

## Kit Contents:

Front Rotor x2  
Braided Brake Lines x2  
Driver Side Caliper x1  
Pass Side Caliper x1

## Caliper Components:

Caliper Brackets x2  
Pad Retainer x2  
Brake Pad Set x2  
Brake Pad Pins x4

## Tools Needed:

Body saw  
Tape paint marker  
Sander spray paint  
21mm Socket  
Center Punch  
Rubber Hammer  
Jack  
Jack Stands

## Hardware Included:

Caliper Bolts x4  
Zip ties x8



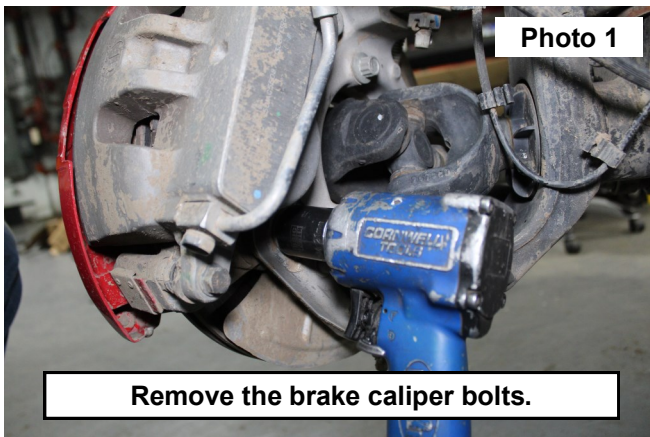
## Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

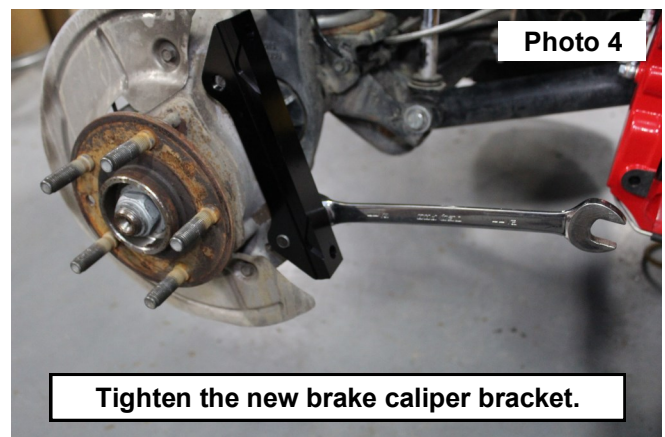
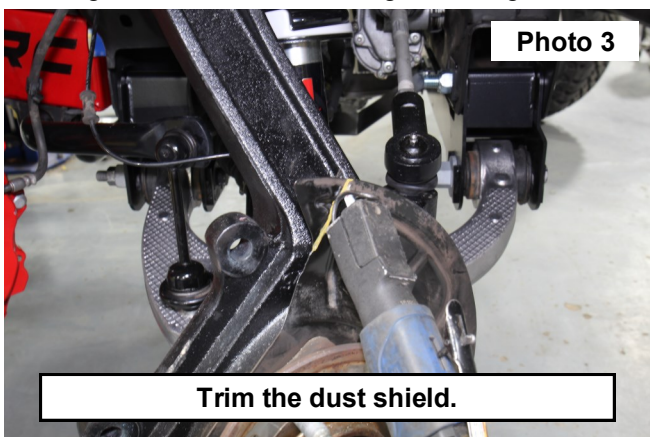


## INSTALLATION INSTRUCTIONS

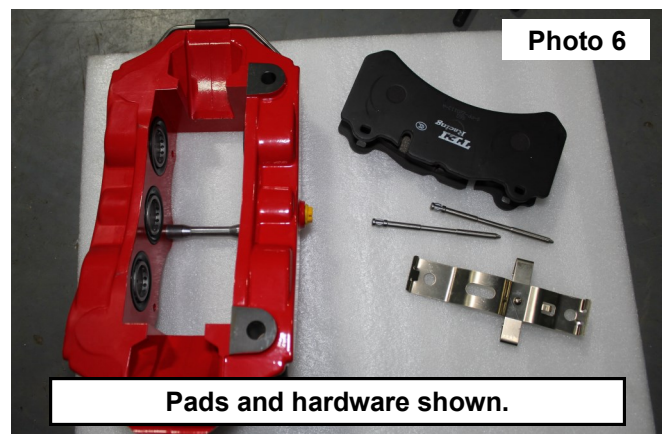
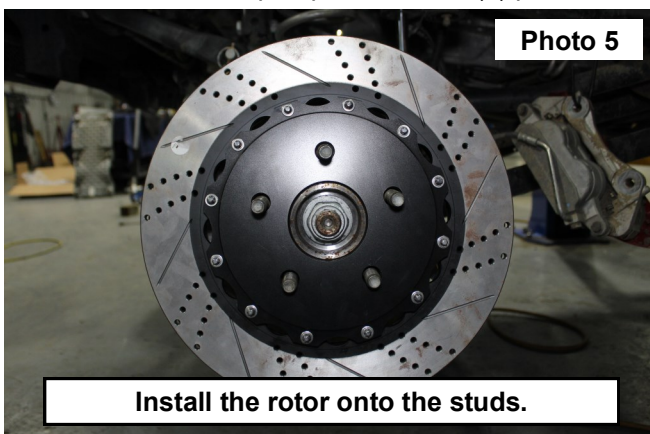
1. Lift the front vehicle up using a jack, place jack stands under the frame and lower the vehicle down. Remove wheels and tires.
2. Remove the (2) brake caliper bolts using a 21mm socket. Then remove the caliper and hang in a safe location from the frame. **See Photo 1.**
3. The OE dust shield will need to be trimmed for the install of the new caliper.
4. Use a straight edge to draw a line using tape or a paint marker onto the dust shield. Test fit the caliper mount and caliper if needed to locate trim area. **See Photo 2.**



5. Use a body saw to trim the dust shield, sand and paint the edge of the dust shield. **See Photo 3.**
6. Install the new brake caliper bracket onto the knuckle using the removed OE bolts. Make sure the bracket is sitting flat against the OE knuckle. Tighten using a 21mm socket. **See Photo 4.**

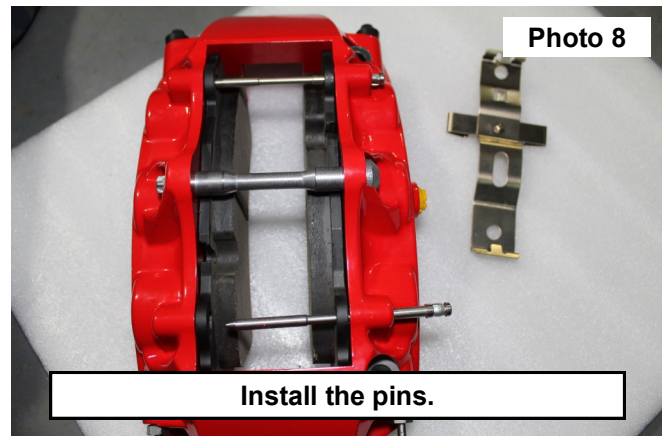


7. Install the rotor onto the studs of the axle hub. **See Photo 5.**
8. Locate the new caliper, pads with the (2) pins and the center bracket. **See Photo 6.**

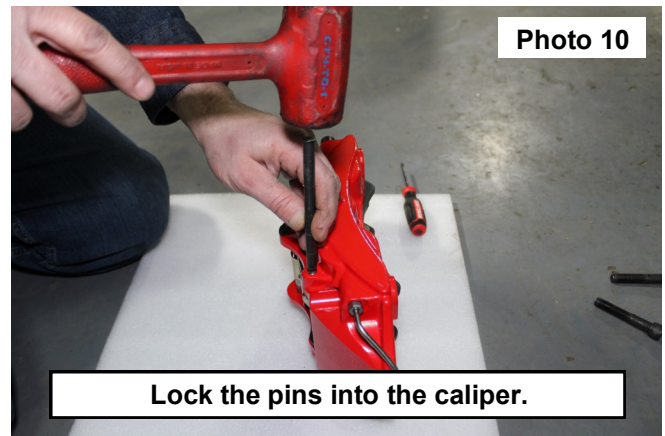
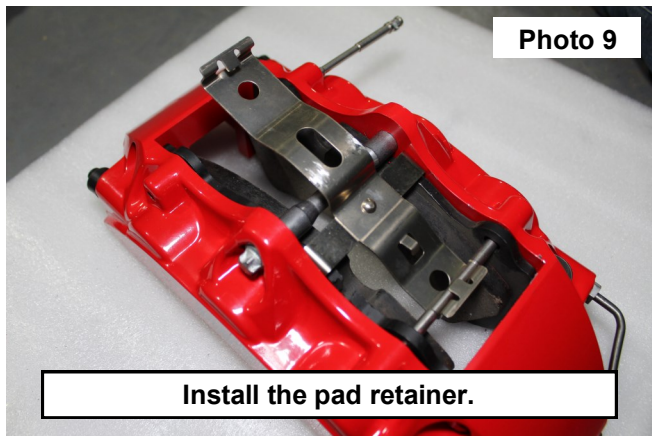




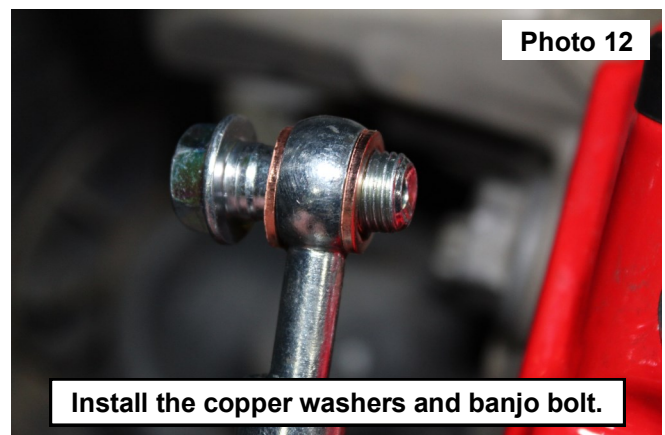
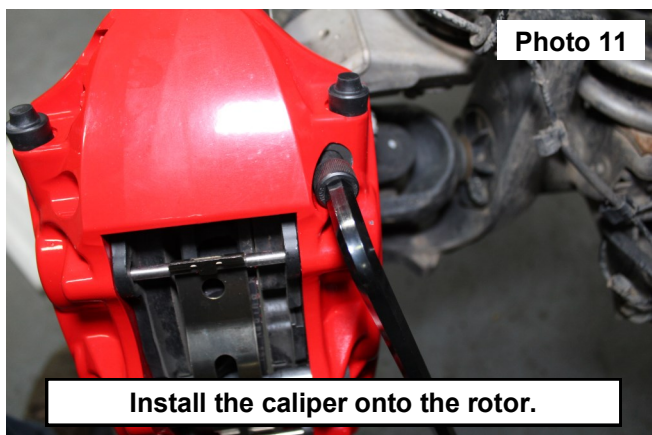
9. Install the brake pads into the caliper. **See Photo 7.**
10. Install one brake pad retainer pin into the brake caliper to secure the pads. **See Photo 8.**



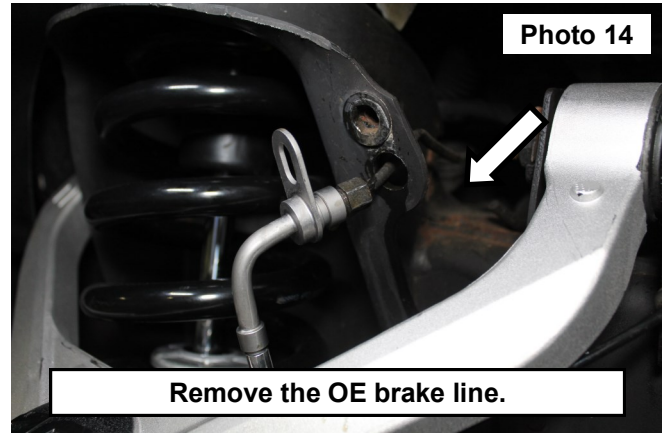
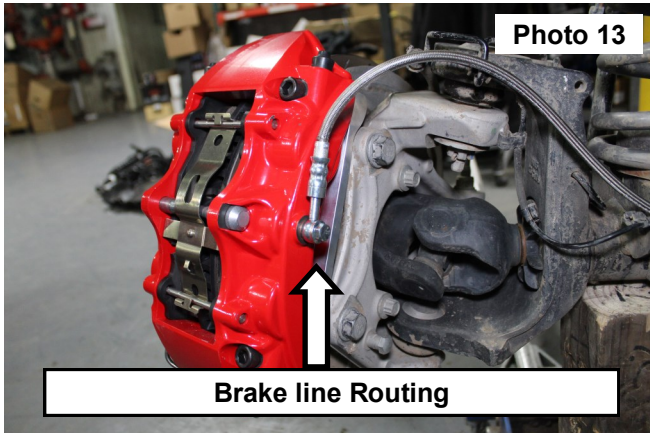
11. Install the pad retainer under the first pin installed, then pressing the retainer down into place install the second pin over the retainer. **See Photo 9.**
12. Use a center punch to lock the (2) pins into the brake caliper. **See Photo 10.**



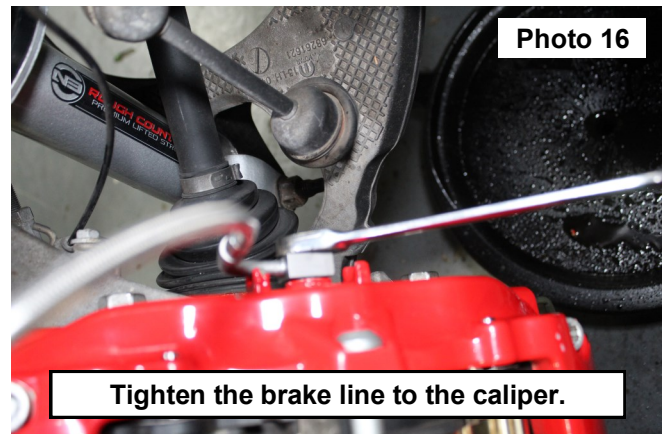
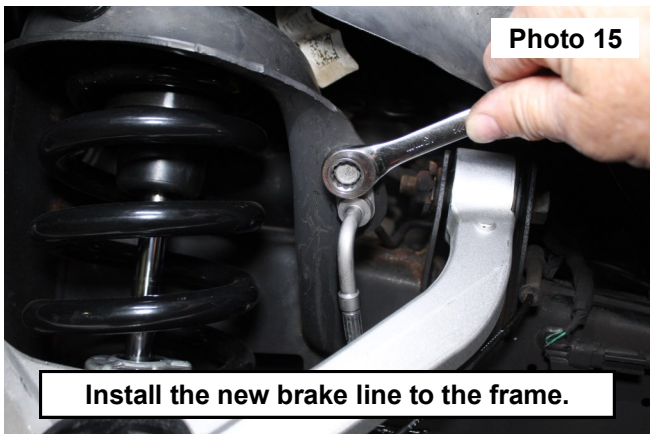
13. Install the caliper over the rotor and secure using (2) of the supplied Allen head bolts. **See Photo 11.**
14. Install the new braided brake line to the caliper using (1) supplied Banjo Bolt with (2) Copper Washers. Tighten the brake line to the caliper paying attention to the routing of the brake line ensuring it is out of harms way. **See Photo 12.**



15. Brake line shown installed to the caliper. **Photo 13.**
16. Remove the OE brake line bolt from the frame, then remove the OE brake line from the rubber line. **See Photo 14.**
17. Remove the OE brake line and caliper from the upper mounting location.



18. Connect the new brake line to the OE line on the vehicle. Then secure the brake line to the frame mount. **See Photo 15.**
19. Tighten the brake line to the caliper. **See Photo 16.**
20. Repeat steps 1-19 on the opposite side of the vehicle before going any further.
21. Bleed the brakes starting with the passengers side front wheel. Ensure there is factory specified fluid in the reservoir. Pumping the brake 3-5 times then hold to the floor. Open the bleeder on the top of the caliper to release any air in the system and fill the caliper with brake fluid, then close. Repeat this process on each side of the caliper until the brake pedal feels solid. Then repeat this brake caliper bleeding process on the drivers side of the vehicle.



22. Install the wheels and tires. Lift the vehicle and remove jack stands, then lower onto the ground. **See Photo 17.**



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