TERAFLEX

PRODUCT INSTALLATION GUIDE

JK BIG BRAKE KIT

Part # 4303400
Part # 4303420

Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications.

Refer to the parts list to ensure that all necessary components and hardware have been included. If any parts are missing please contact your local retailer for assistance.

Tools Needed:
10,14,15,17,18,21mm sockets & wrenches
3/8” or 1/2” ratchets
Torque wrench
Diagonal cutting pliers
Brake clean
Brake fluid (DOT 3)
Mechanics wire
Blue thread locker
Jack and Jack stands

Part #4303400

Component item ID	Item name	QTY per asy.
303430	Brake pad set, 2 pads &clips	2
4303416	Brake Caliper	2
4303410	Brake rotor	2

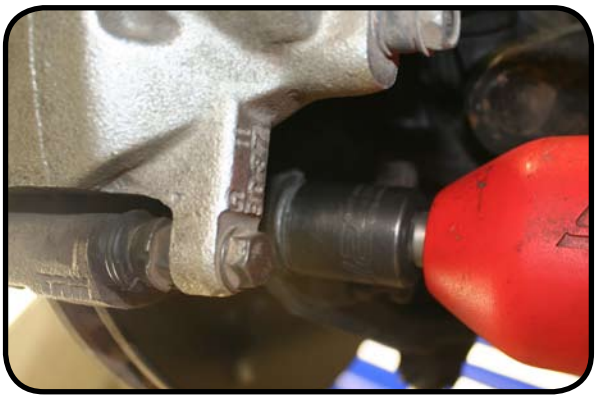
Part #4303420

Component item ID	Item name	QTY per asy.
303430	Brake pad set, 2 pads &clips	2
4303416	Brake Caliper	2
4303512	Brake rotor Slotted	2

Installation:

1. Place the vehicle in park and pull the park brake.
2. Loosen the lug nuts, using an 18mm socket, on the front two wheels. DO NOT REMOVE THE LUG NUTS!

3. Jack up the front of the vehicle and support with jack stands.
4. Remove the lug nuts and the front wheels.
5. Using a 21mm socket remove the two caliper anchor bolts and remove the caliper. Support the caliper so it does not hang from the brake line. This can damage the brake line.
6. If there are clips holding on your rotor remove them by cutting them off with diagonal cutting pliers. Then remove the rotor.

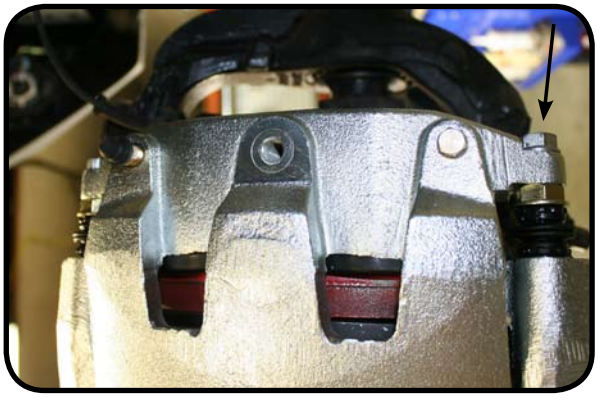


7. Install the new rotor. Hold the rotor in place by using a couple of lug nuts.

8. Install the new TeraFlex caliper using the factory hardware. Torque the anchor bracket bolts to 120 Ft-lbs and use blue thread locker.

9. Install the brake pads into the caliper by removing the lower pin bolt using a 14mm socket. If the bolt rotates the inside pin use a 17mm wrench to hold it. Remove the adhesive strip from the pad. Make sure that the clips are on the ends of the pads and slide them end from the outside into the anchor bracket.

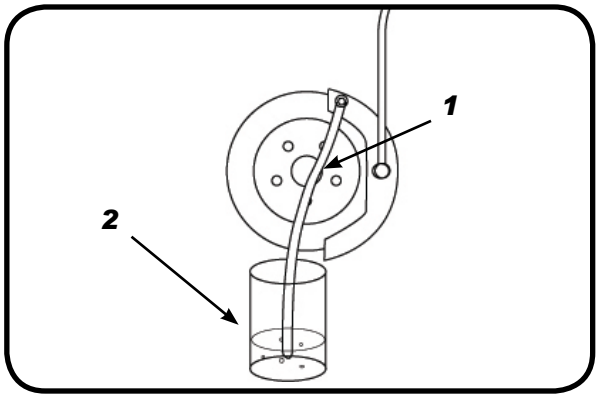
10. Lower the caliper and insert the caliper pin bolt. Torque to 26 ft-lbs.



11. Remove the brake line from the old caliper and reuse all of the factory hardware and install it into the new TeraFlex caliper. Torque the banjo bolt to 23 Ft-lbs.

12. Clean brake caliper and rotor using brake clean and a rag. Make sure that all of the shipping oil or brake fluid is cleaned from the stopping surface.

13. Remove reservoir filler cap and fill up reservoir with DOT 3 brake fluid.
14. You will need two people for this unless you have a brake bleeder tool. Attach one end of the bleed hose (1) to bleeder and insert opposite end in glass container (2) partially filled with brake fluid. Be sure end of bleed hose is immersed in fluid.Bleed procedure should be in this order (1) Right rear (2) Left rear (3) Right front (4) Left front.



15. Open up the bleeder, then have a helper press down the brake pedal. Once the pedal is down close the bleeder. Repeat bleeding until fluid stream is clear and free of bubbles. Then move to the next wheel.
16. Before moving the vehicle verify the pedal is firm and not mushy.
17. Top off brake fluid and install the reservoir cap.
18. Remove the lug nuts that you used to hold the rotor in place.
19. Install the wheels using a 18mm socket and torque them to 85-125 Ft-lbs.
20. Jack up the vehicle and remove the jack stands and lower the vehicle.

BRAKE BED-IN PROCEDURE

To correctly break in your brakes you will need to fallow these crucial steps.

All brake pads must be bedded-in with the rotor they will be used against to maximize brake performance. The bedding-in process involves a gradual build up of heat in the rotors and pad compound. This process will lay down a thin layer of transfer film on to the rotor surface. Following the bed-in procedures provided will assure a smooth, even layer of transfer film on the rotor and will minimize brake judder, noise and vibration.

21. Do 10 stops from 30mph to 10mph using moderate braking pressure and allowing approximately 30 seconds between stops for cooling. Do not drag your pads during these stops or come to a complete stop. After the 10th stop , allow the brakes to cool for 15 minutes. Do not engage brakes while the vehicle is not in motion.
22. Now do 5 stops from 60mph to 15mph and drive for 1/2 mile in between stops. Then let brakes cool for 30 minutes.
23. After brakes are cooled, the break in procedure is complete. The brakes will be completely bed-in after 400 to 500 miles. Try to avoid heavy braking during this period and do not tow a trailer until the 500 mile break in is complete.