



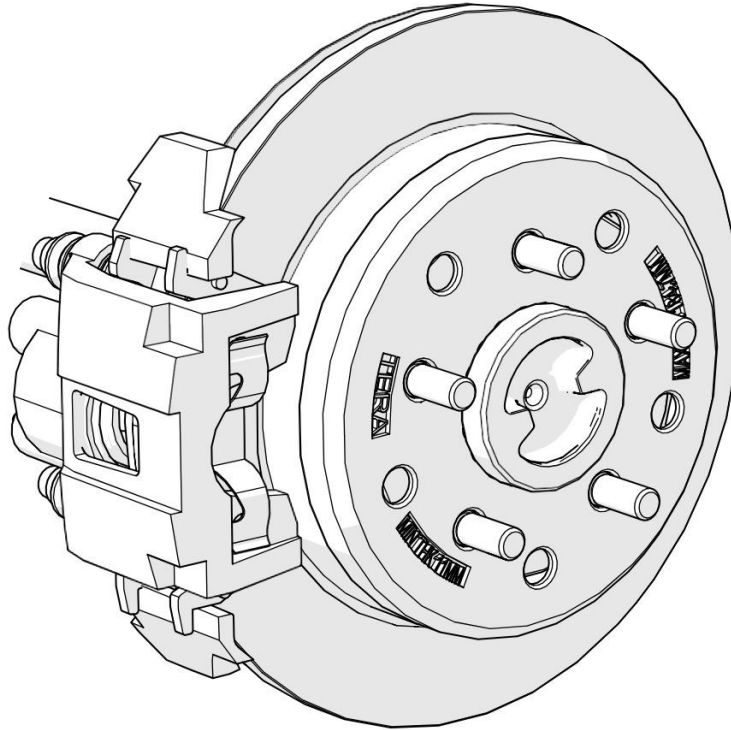
TJ Rear Disk Brake Conversion Kit

www.teraflex.com

Kit # 4354420

Kit # 4354400

Kit # 4354410



Important Notes:

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. A factory service manual should be used in conjunction with these installation instructions.

This kit DOES NOT INCLUDE the proper emergency brake cables. TJ Wranglers order Tera part #TL869.

Some factory rims will not fit with this kit, including factory steel wheels. Some aftermarket wheels require a longer stud to compensate for new rotor thickness. NAPA Auto Parts Belknap #641-3204

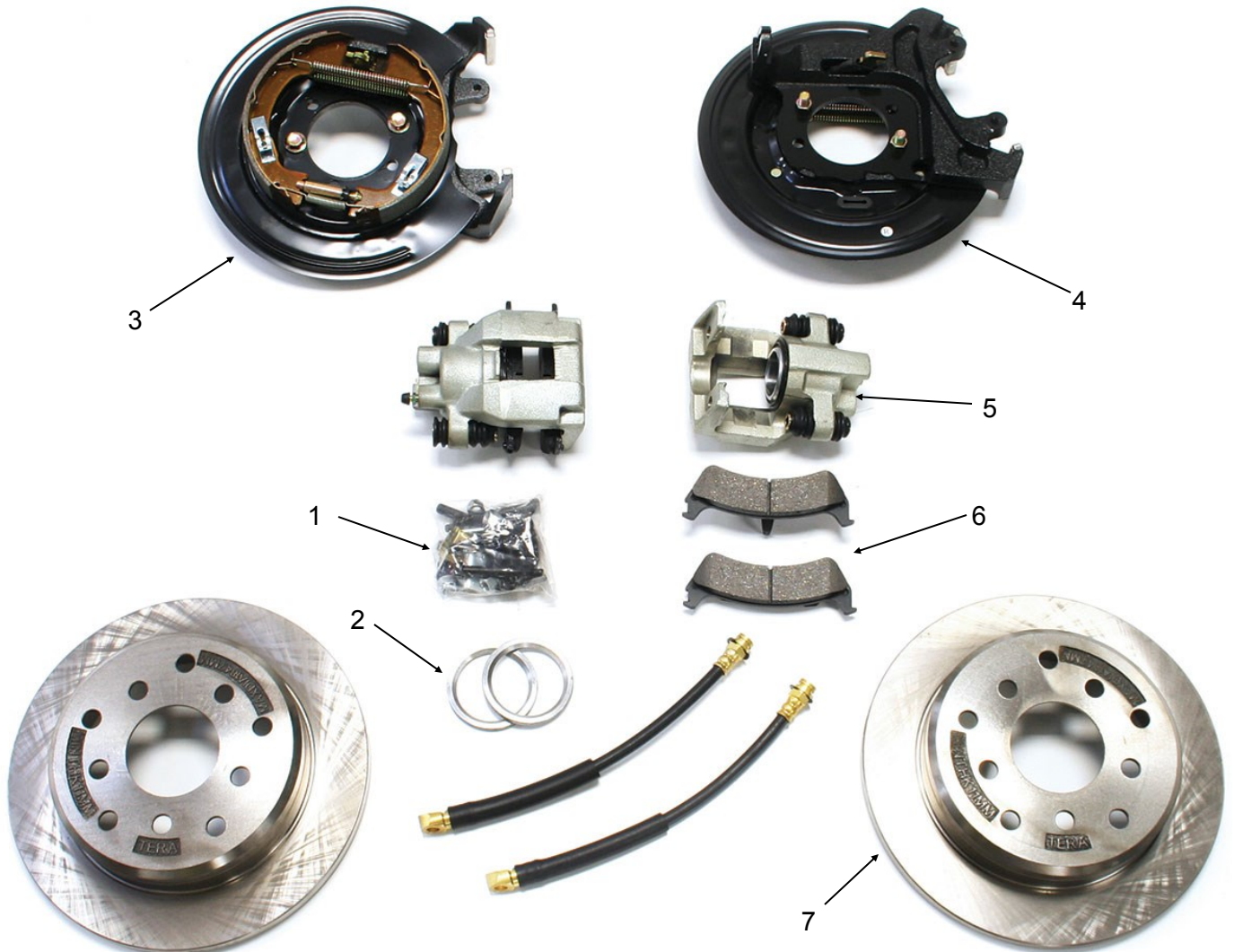
This kit does not work with ABS sensors. You will not be able to install the ABS sensors into the disk brake mount backing plate.

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

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view in order to act as constant reminder when operating the vehicle. It is your responsibility to install the sticker. If it is missing from your kit, free replacements are available upon request.

Tools needed:

- This installation guide
- Basic mechanics tool set
- Mallet or dead blow hammer
- Press (Non-C Clip Only)
- RTV Gasket Maker



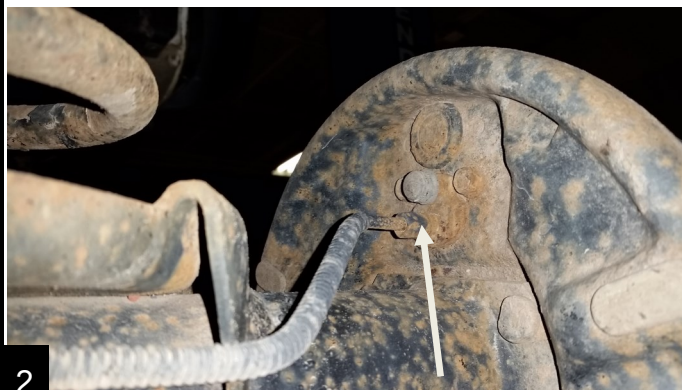
Parts List			
Item Number	Part Number	Description	Quantity
1	600608	Hardware Pack - Includes Hoses	1
2	86261	Preload Spacer	2
3	86211	LH Plate Assembly	1
4	86212	RH Plate Assembly	1
5	862300	Brake Caliper	2
6	8624	Brake Pad Kit	1
7	8622	Brake Rotor	2

With the vehicle on the ground, remove the emergency brake cable from the bracket on the underside of the body tub.



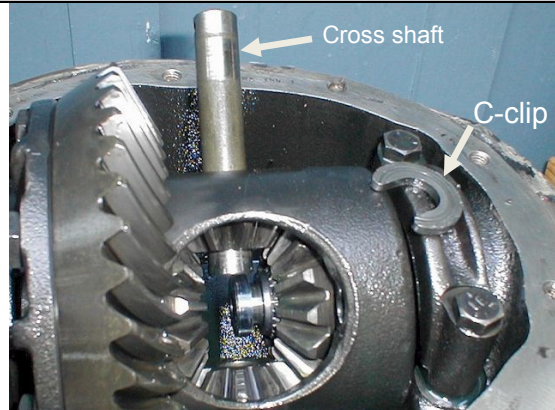
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Raise the vehicle off the ground and support with jack stands. Remove brake drums and unhook the hard brake lines from the wheel cylinder using a 3/8" line wrench.



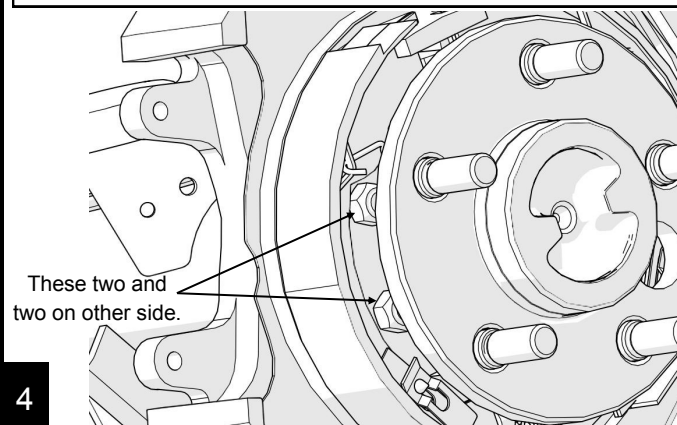
2

C-clip axle removal– Remove differential cover, unbolt the cross pin with an 8mm or 1/4" wrench and remove it from the carrier. Push the axles in about 1/2 inch to remove the C-clips. Remove C-clips and pull the axles from the housing.



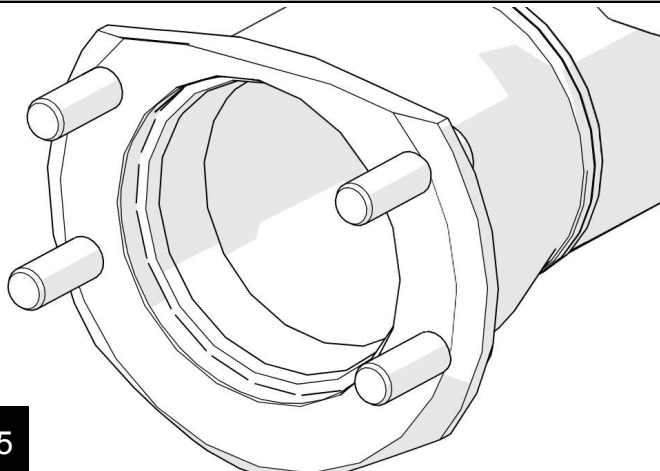
3

Semi-float applications– Remove the 4 nuts holding the axle shaft into the housing with a 9/16" socket and pull the axle shaft from the housing. Leakage is possible.



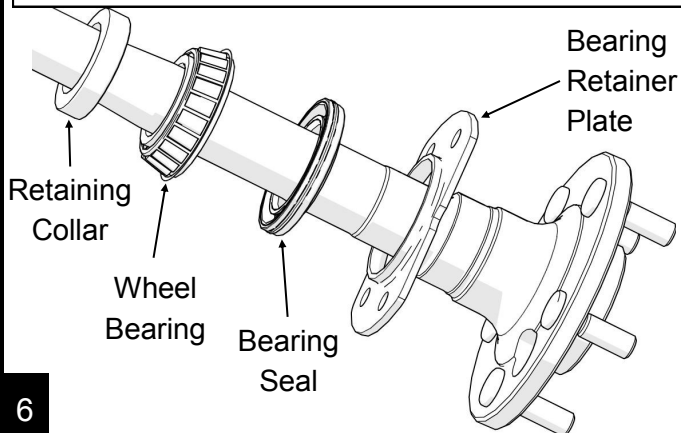
4

Remove the backing plate and wipe the bearing pocket surface clean of grease and contaminants.



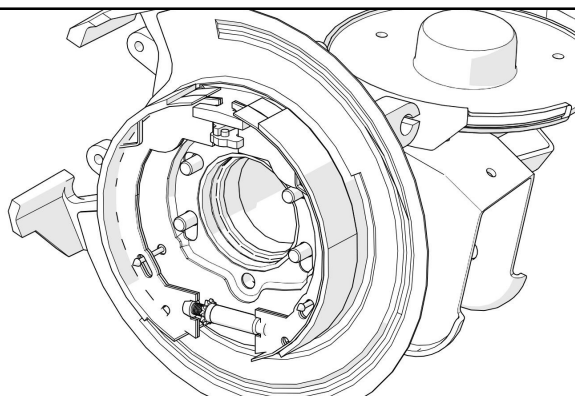
5

For semi-float applications– Press the old bearings and seals from the axle shafts. Do NOT remove bearings and seals for c-clip axles.



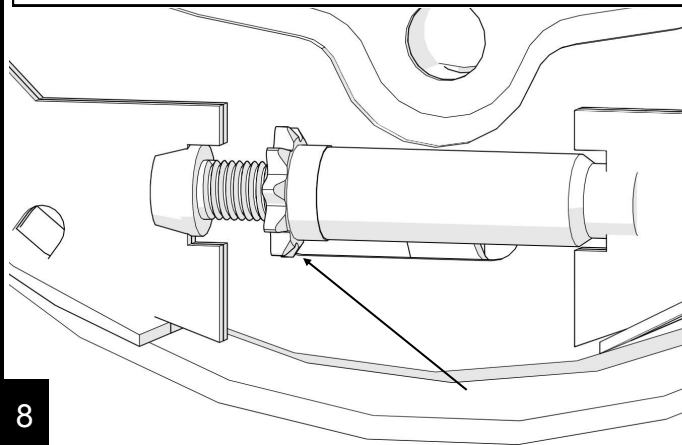
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Installation. Install the disk brake mounting plate onto the axle flange with new supplied retaining bolts. Backing plates are identified as Left and Right side (C-clip applications reuse existing bolts)



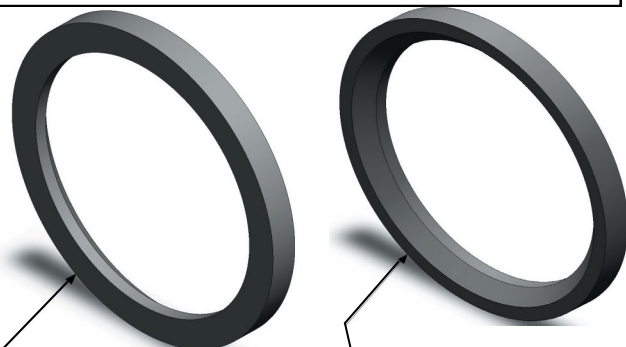
7

Adjust the internal drum brake with the adjuster until there is just enough room for the rotor to slide over the shoes. This adjustment will set your parking brake tension.



8

Non- C-clip applications- Install the retaining plate and preload spacer on the axle shaft. **Note: the orientation of the preload spacer is axle dependent.**



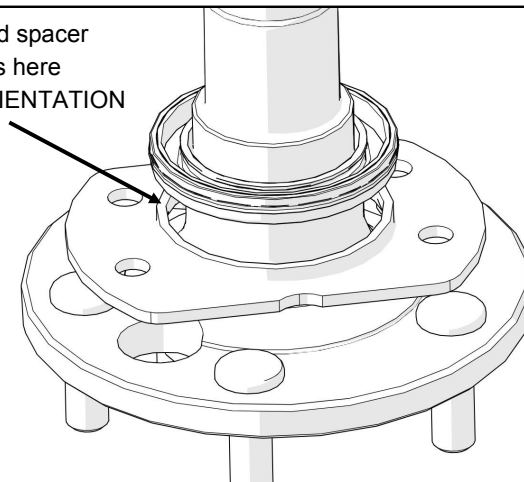
Dana 35- Flat side against the seal.

Dana 44- Chamfered edge against the seal.

9

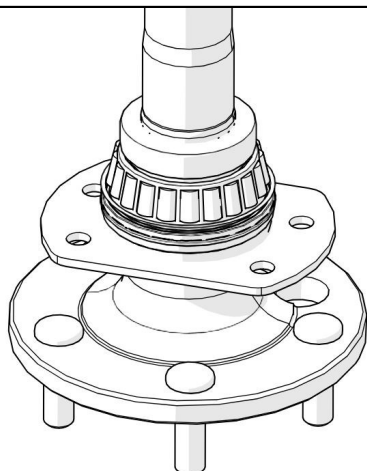
Grease the shaft where the seal will be installed and install the seal onto the shaft.

Preload spacer goes here
NOTE ORIENTATION



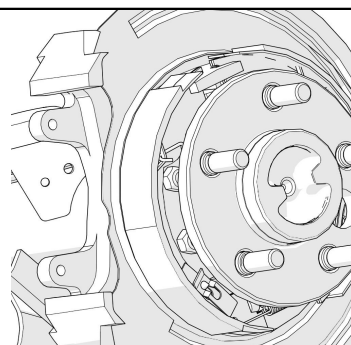
10

Press the new bearing and retaining collar onto the axle shaft.



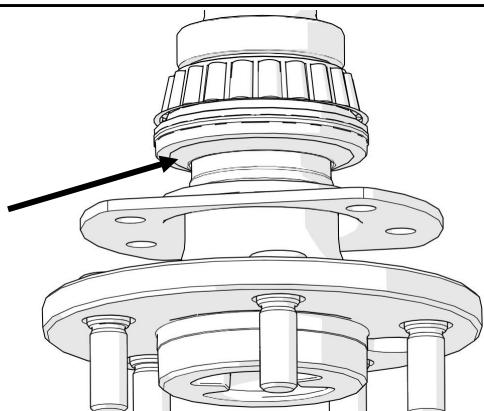
11

C-clip Axles- Slide the axles all the way into the housing careful not to damage the splines or bearing surface, install c-clips and cross shaft, clean old silicone from the housing and reinstall the differential cover with new gasket or silicone. Refill housing with new oil. C-clips applications proceed to step 16



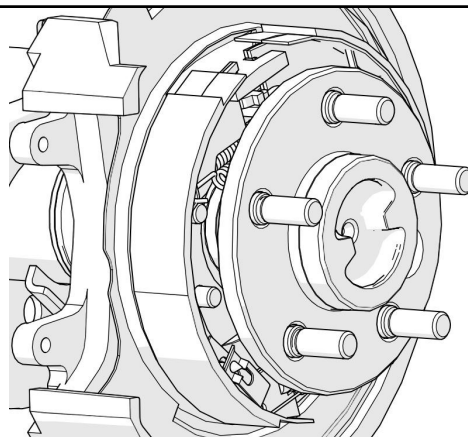
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Non-clip axles– Slide the shafts 3/4 of the way into the housing, apply grease to the outside of the bearing seal and slide the preload spacer onto the seal. The grease will help hold the spacer.



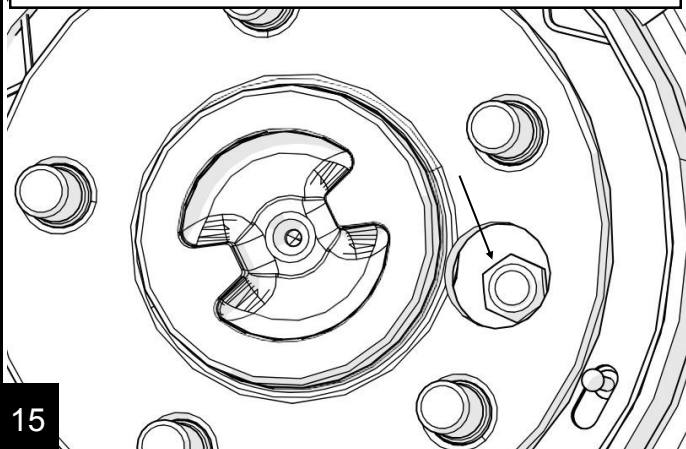
13

Carefully slide the axle in the rest of the way into the housing. Push the axle in by hand, DO NOT force the axle. Seal, splines and/or bearing damage may result.



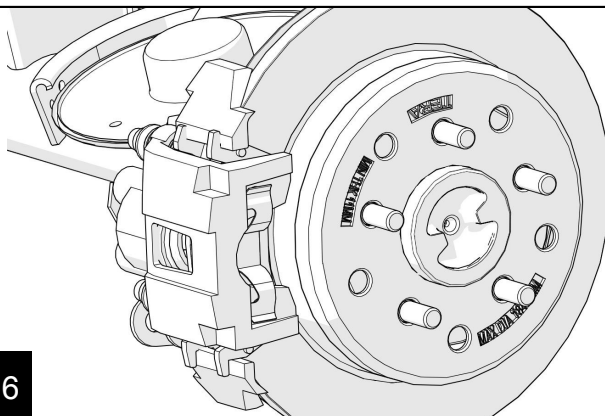
14

Install and tighten the nuts onto the retainer bolts through the access holes in the axle shaft with a 9/16" socket and install the brake rotor. Torque to 45 ft-lbs.



15

Install the rotor then install the brake pads into the caliper with the bleeder in the highest position. Note: install the inside pad first. Use the two supplied 8mm bolts, install the caliper onto the mounting plate. Torque to 11 ft-lbs.



16

Install new brake hoses using new copper washers on the supplied banjo bolt. Install one copper washer onto the banjo bolt, slide the female end of the brake line onto the bolt, install another copper washer and install onto the caliper. Torque to 23 ft-lbs

Copper Washers



17

Weld the brake line mounting tab onto the axle tube. Then install the brake line through the tab and install C clip.



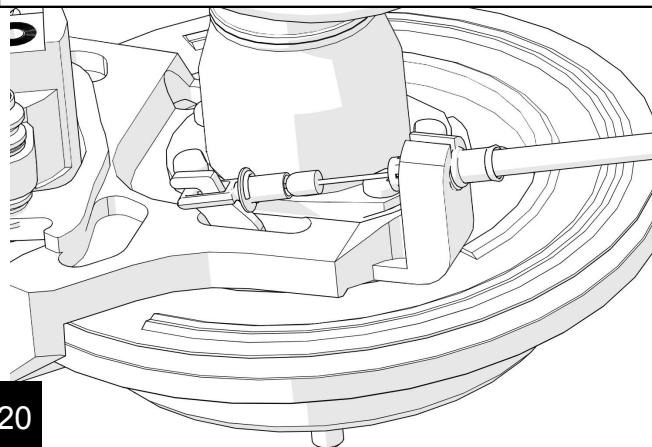
18

Connect the hard brake lines to the new soft lines and bleed the brakes starting with the passenger side then the drivers side. Note: You will need to purchase shorter metal lines from an auto parts supplier.



19

Install the emergency cable onto the lever at the mounting plate. TJ Wranglers order Tera part #TL869 for proper cables.



20

Reinstall tires torqueing lug nuts to 110 ft-lbs. Set the vehicle on the ground. Attach the emergency brake cables to the bracket under the body.

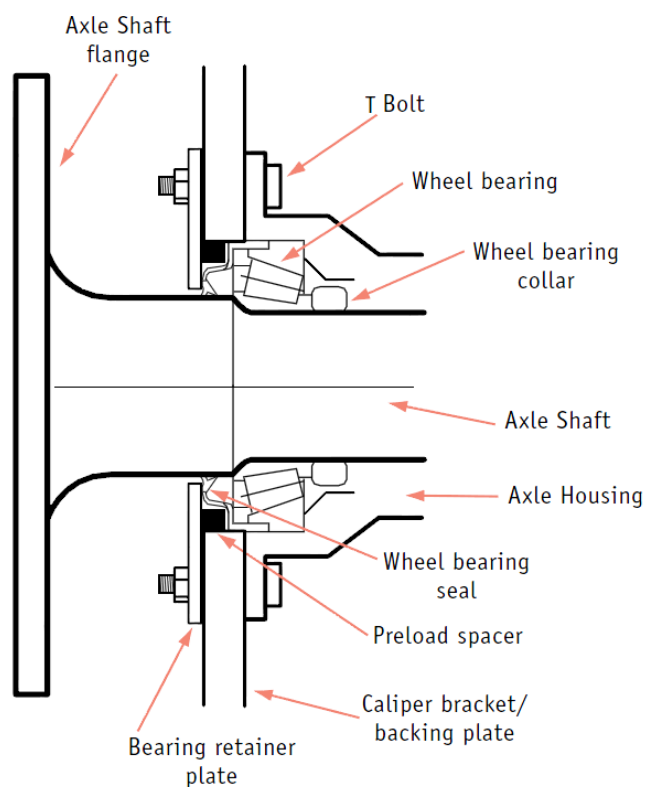


21

Adjust the parking/emergency brake until it holds the vehicle from moving while in gear.



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Maintenance Information

It's the buyers responsibility to have all suspension, drivetrain, steering and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

PRODUCT INFORMATION

MAINTENANCE INFORMATION:

It is the buyer's responsibility to have all suspension, drivetrain, steering, and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

NOTICE TO INSTALLER:

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view. This sticker is to act as a constant safety reminder when operating the vehicle. It is your responsibility as the equipment installer to install the provided sticker and to forward the product instructions to the vehicle's owner for review. If a "Warning to Driver" sticker or product installation guide were not included in the kit, FREE replacement stickers and instructions are available by request. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed.

WARNING:

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

WARNING TO DRIVER:

This vehicle has been modified to enhance off road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. Vehicle should be inspected after being off road to make sure that all the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off roading may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, steering, and brake systems. During each oil change components such as arms, tie rod ends, etc should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the TeraFlex product purchased. Mixing component brand is not recommended. TeraFlex Inc. will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function, and correct use of our products. It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 3000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3000 miles.

TERAFLEX PRODUCT WARRANTY:

TeraFlex Inc. warrants TeraFlex Suspension products to the original retail purchaser to be free of defects in material and workmanship for as long as the original purchaser owns the vehicle on which products were originally installed.

Failure to complete regular maintenance (grease every 3000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard TeraFlex product warranty apply.

All TeraLow products are covered by the TeraFlex two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

TeraFlex axles are covered by a 12-month warranty to be free of defects in materials and workmanship.

This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products or components used for racing or competition or damage due to abuse or neglect, products that fail due to the use of larger tire and wheel combinations.

All returns must be accompanied by an original invoice. It is the customer's responsibility to remove the product from the vehicle. Shipping charges are the responsibility of the customer. TeraFlex Inc. will pay the return freight if the product meets the terms of warranty.

This warranty is for the replacement or repair of defective TeraFlex products only and does not include freight charges, labor charges for removal of or installation of TeraFlex or related products or components, costs incurred due to down time of the vehicle, or lost profits due to vehicle down time.

A returned goods authorization number (RGA#) must accompany any returned products. For more information please contact a TeraFlex customer service representative.

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