

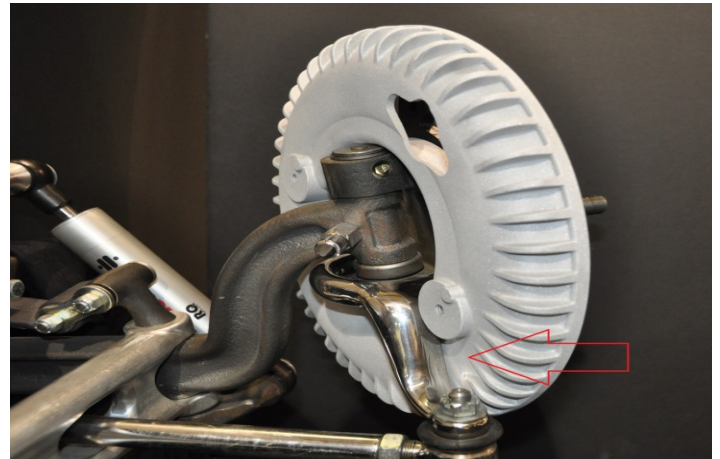
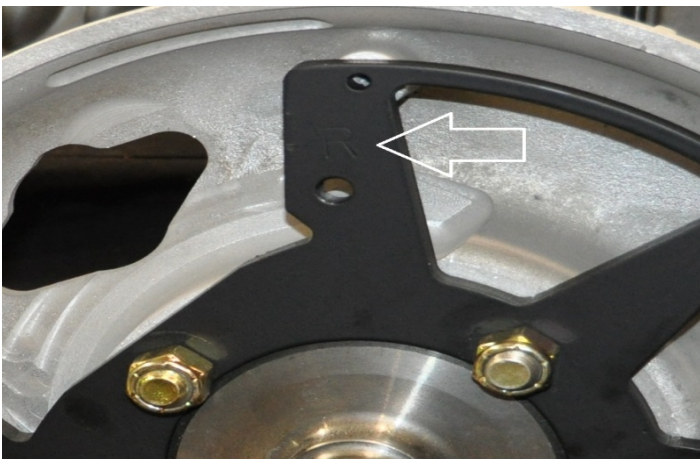


Thank you for selecting our products for your vehicle. It is our intent to provide the highest quality product that will provide years of problem free service while also being easy to install, bleed and maintain. You will find the parts and hardware listed below that is included in this kit. We want to make sure you do not have any issues. If you have any questions during the assembly please do not hesitate to call us for assistance.
(256) 492-5989



1. Start the installation with the spindles attached to the axle. All brake parts except the rotors are specific for each side and are marked accordingly. If you are working with a final painted or plated axle protect with blue painters tape or by wrapping with a soft cloth. Slide the appropriate backing plate over the spindle and allow to rest on the axle.

2. Install the caliper/backing plate brackets. Notice each caliper/backing plate bracket is stamped L on one side R on the opposite side. The appropriate mark should be facing out and installed at 12 o'clock. Use 1/2-20 X 1 1/2" bolts with washers and nylock nuts on the top two mounting holes.



3. Location of stamped mark on caliper/backing plate bracket

4. Install the steering arms using the supplied 1/2-20X1 1/4" bolts. Some steering arms may require a different length bolt and or a nylock nut as well. At this time slide the backing plate up the axle onto the bracket and check clearance of backing plate to steering arm in the area noted above.



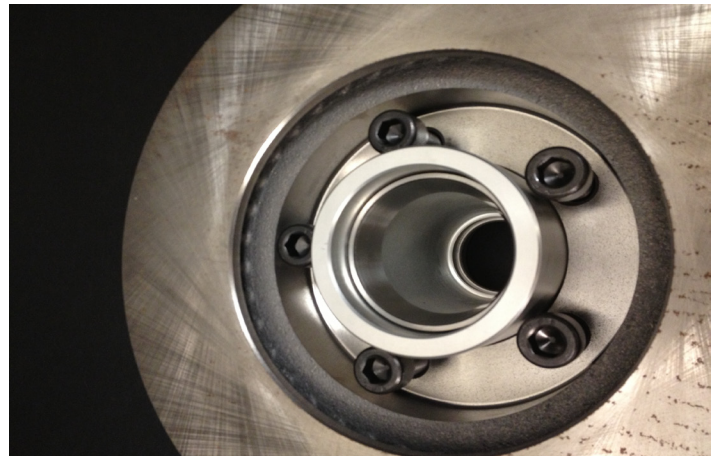
5. Some steering arms may require a spacer between the arm and spindle as shown above to provide proper clearance to the backing plate.



6. Double check that the backing plate slides easily on and off the bracket and has proper clearance to the steering arm.



7. Install the rotor onto the back of the hub assembly making sure that the mating surfaces are clean of dust/dirt.



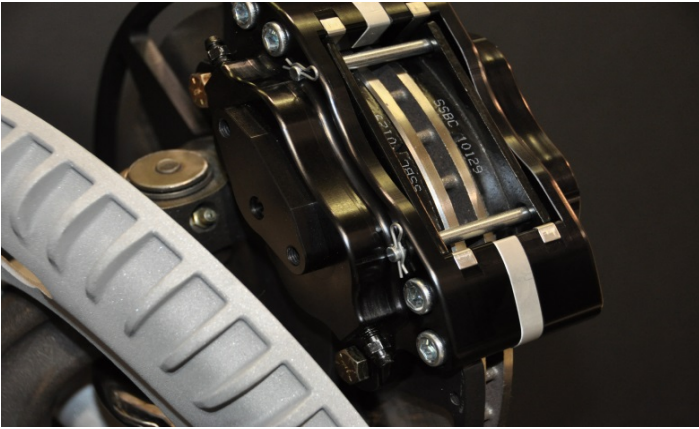
8. Install the supplied 1/2"-20X 1 1/4" socket head bolts, use Loctite on the threads and torque to 85 ft.lbs.



9. Pack the wheel bearings with a high quality grease, install the rear (large) bearing and seal. Slide the rotor onto the spindle and install the front bearing, washer and nut. Preload the bearings and install cotter key.



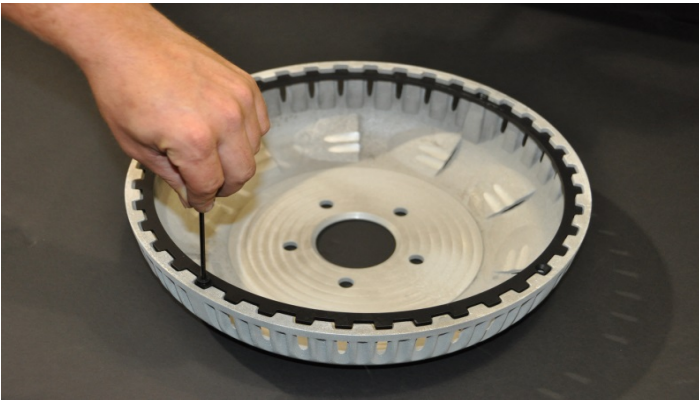
10. Remove the hairpin clips from the two pins in each caliper to install the brake pads. Reinstall clips once the pins are in place with the pads installed.



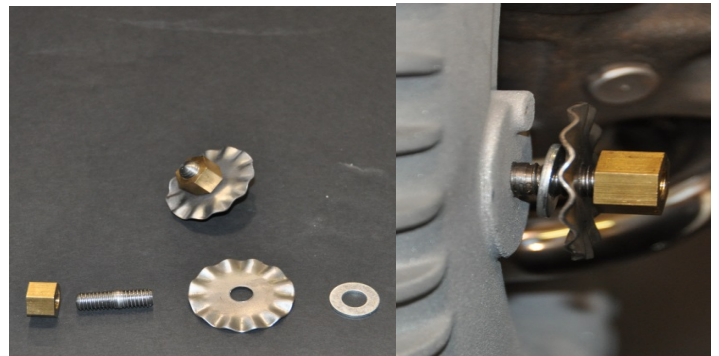
11. Slide the backing plate down the axle to allow enough room to install caliper and bolts. Install calipers using the supplied 3/8-24X1" bolts with lock washers, use a small amount of blue Loctite on each bolt. The left caliper is part #A22225 Right #A22224



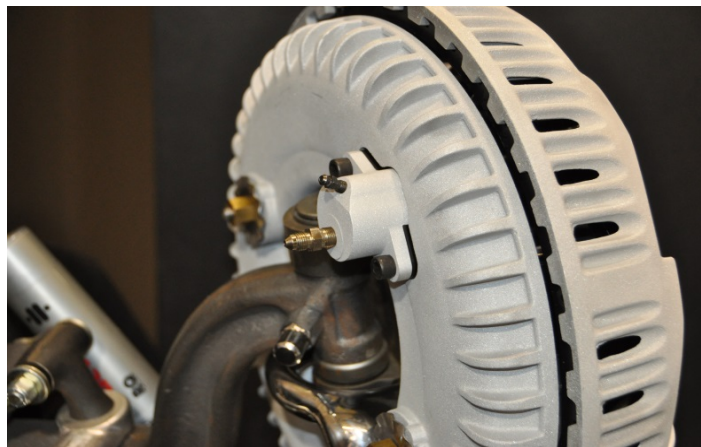
12. Slide the backing plate into position again to double check clearance to caliper, install one #10-24X3/4" Allen bolt to temporary hold into position.



13. Install the painted metal ring into each drum cover using the supplied #10-24X5/8" Countersunk bolts



14. Install each stud with the short end into each backing plate, then the spacer, wave washer and brass nut. Use blue Loctite on stud to backing plate and brass nut to stud



15. Locate the correct dummy wheel cylinder for each side, install the supplied O-ring into each caliper before bolting the wheel cylinder in place with the supplied 5/16X24 Bolts. Use a small amount of blue Loctite on each bolt. The wheel cylinder is 1/8 NPT. Install brake line and any adaptor needed for your application. Install the dummy bleeder valve using blue Loctite (THIS BLEEDER HAS NO FUNCTION, DO NOT USE IT TO BLEED THE SYSTEM)



16. Remove the one #10 bolt holding the backing plate in place and allow it to slide over the spindle and down the axle. You are now ready to bleed the brakes.



17. Start at the right rear and work to the caliper that is closest to the master cylinder. If you do not have a pressure or vacuum bleeder follow these directions to remove all air from the system without having a mess to clean up when completed. Loosen the two top bleeders on one caliper. install the supplied pieces of 1/4" clear hose on each bleeder. insert the tubes into a container of brake fluid and pump the pedal until all air is removed. Be sure to pause at the top and bottom of each stroke of the pedal and also check the master cylinder reservoir during the process to make sure it does not empty.



Johnson's hot rod shop

Packing List

Qty	Item	
1	aluminum backing plate right side	
1	aluminum backing plate left side	
1	aluminum drum cover right side	
1	aluminum drum cover left side	
1	aluminum dummy wheel cylinder right side	
1	aluminum dummy wheel cylinder left side	
1	caliper right side part # A22224	
1	caliper left side part # A22225	
2	steel caliper/backing plate bracket make sure the correct stamped side is installed facing out	
2	steel drum rings	
2	brake rotors	
2	aluminum hubs with studs and bearing race	
2	inner bearings part # 24162 PT15118	
2	outer bearings part # 2411 PTLM11949	
2	inner seals part # 15635	
2	grease caps	
2	spindle washers	
2	spindle nuts	
2	cotter keys	
2	O-rings for wheel cylinder to caliper seal	
4	aluminum wave washers	
4	brake pads (replacement part # D43	
4	1/2" -20 X 1" bolts	
4	1/2" -20 X 1 1/2" bolts	
4	1/2" HD washers	
4	1/2" washers	
4	3/8"-16 studs	
4	3/8" washers	
4	3/8"-24 X 1" bolts	
4	3/8" lock washers	
8	3/8" brass nuts	
8	10-24 X5/8" countersunk allen bolts	
8	10-24 x 3/4" socket head allen bolts	
4	5/16X-24 BOLT	
4	5/16 AN WASHER	
10	1/2"-20 X 1 1/4" socket head allen bolts	

inspected and packed by: _____