

# FITTING INSTRUCTION FOR REAR BRAKE CONVERSION KIT HUC002



Ensure you are wearing eye and hand protection when conducting any potentially dangerous parts of this operation.

If it is not your vehicle, make sure you drive it before, so you can compare it to the vehicle following the conversion.

Raise the vehicle up and support safely.

Remove the rear wheels.

Clamp the flexible brake hoses to minimise fluid loss.

## DISSASSEMBLY

Remove the original brake drum and brake shoes.

Disconnect the solid brake line from the back of the wheel cylinder.



Carefully remove the ABS sensor and place it out of way.



Remove the handbrake cable from the backing plate.



Remove the four axle flange mounting nuts.



Remove the axle from the vehicle.



Remove the axle housing seal, clean and inspect.



Remove the circlip.



Bearing, housing and backing plate can now be removed using a press.



Remove the collar and spacer noting the orientation.

Knock out the four studs from the axle bearing housing.



Remove the seal from the bearing housing and then use the press to remove the bearing.



Press off the tone wheel taking care not to damage it.

Note the orientation of the tone wheel before removing.

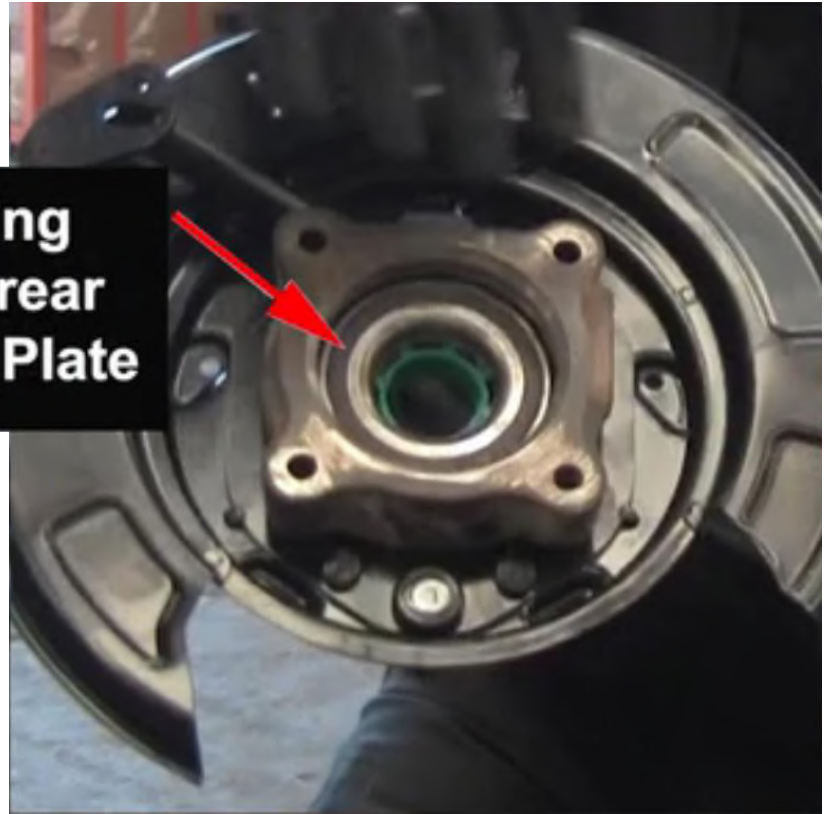
## Assembly

Remove the handbrake assembly from the backing plate, noting how it is assembled.

Press the new bearing into the housing.

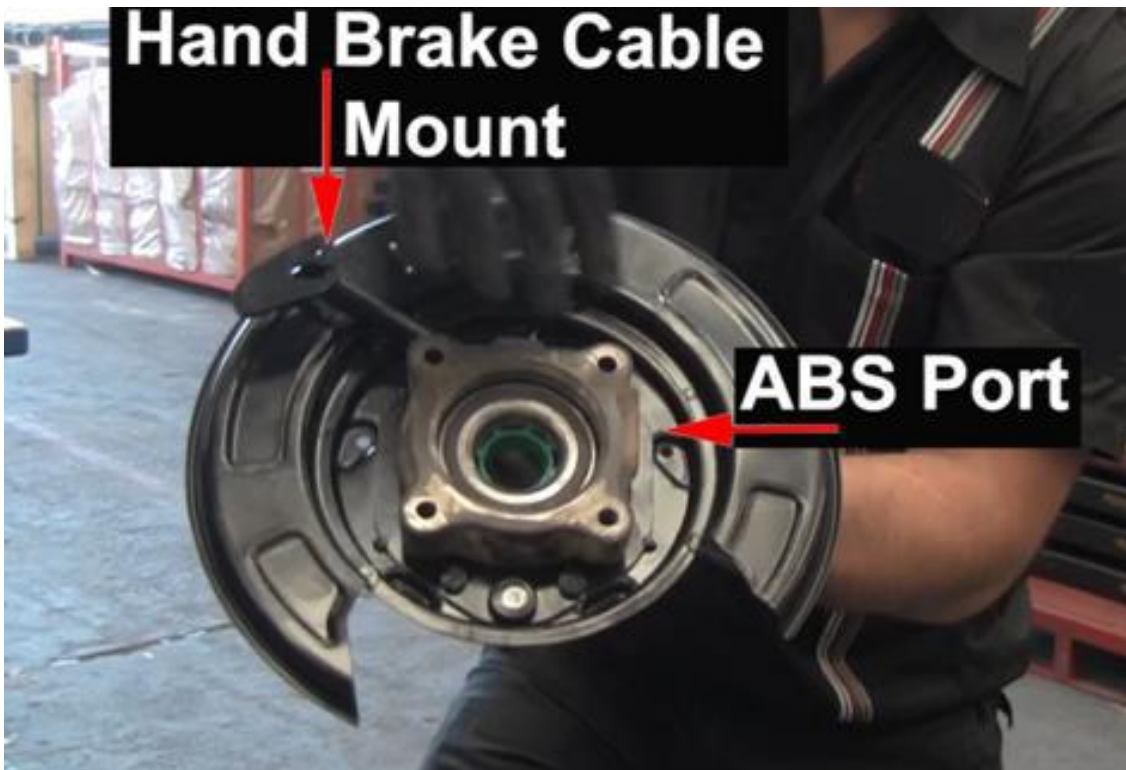


**ABS Sensor Ring  
Must Face the rear  
of the backing Plate**



**When pressing the bearing  
make sure the tool  
only aligns on the outer  
bearing shell to protect  
the ABS Sensor Ring**





Press the new longer studs into place locking the assembly.



Fit the supplied axle seal to the bearing housing.

Assemble the backing plate, spacer and retaining collar onto the axle in the press.

Install the circlip.



Replace the inner housing seal if required.

Place the axle back into the housing being careful not to damage the seal.

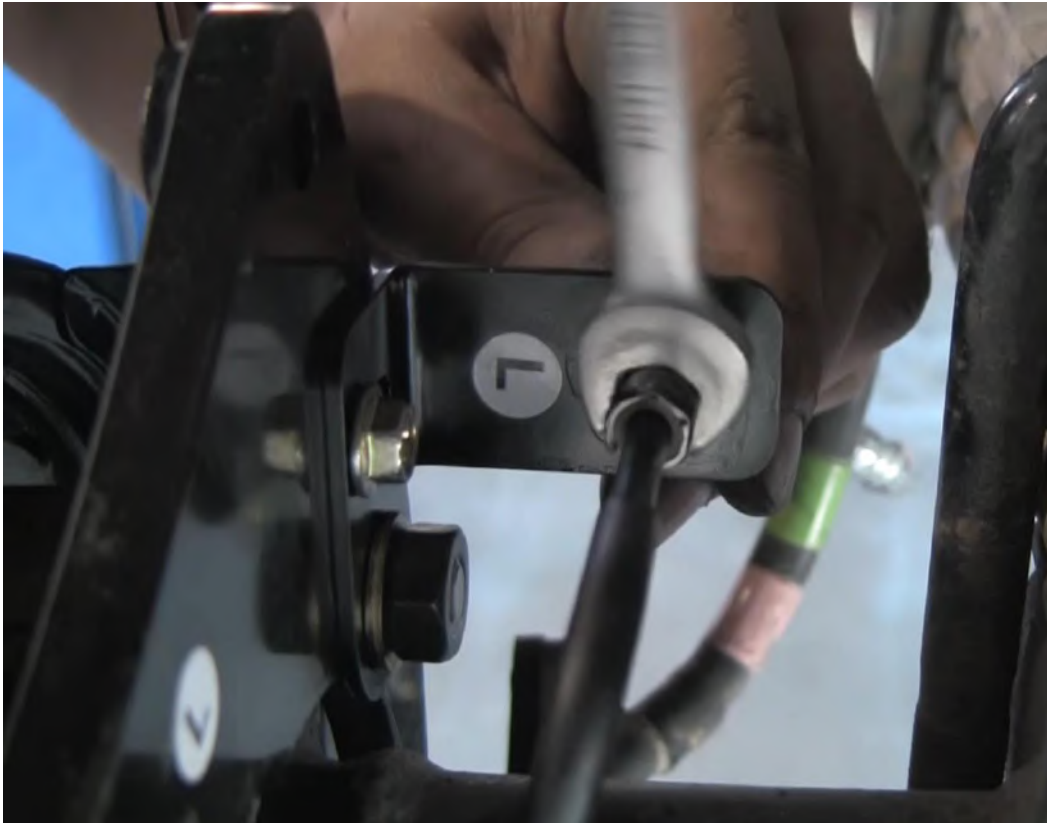


If any oil has leaked from the axle while disassembled, top up the diff oil now.

Place the calliper bracket #17 and hose bracket #7, onto the studs ensuring they are on the correct side of the vehicle.



Connect the brake tube onto the brake line at the bracket.



Apply LOCTITE (NO.271) or similar to the threads.

Refit the ABS sensor into the housing, making sure the area is clean.



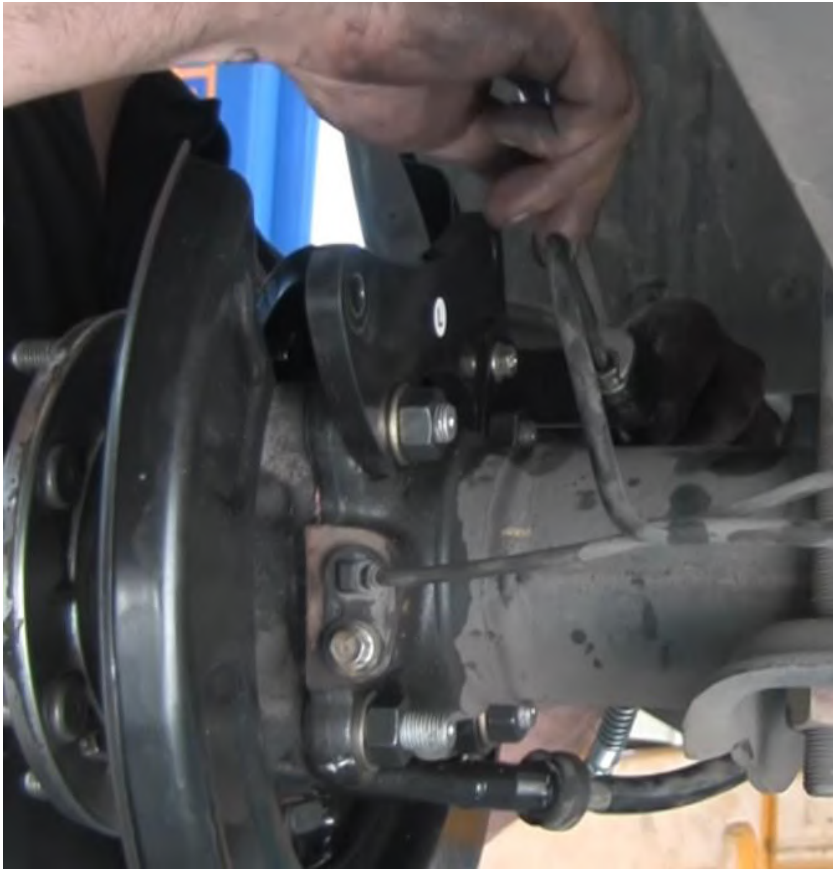
Fit the handbrake cable onto the backing plate. #21 & #22



Refit handbrake assembly #9 and the hand brake cable.



Refit the brake line to the new mount. #15



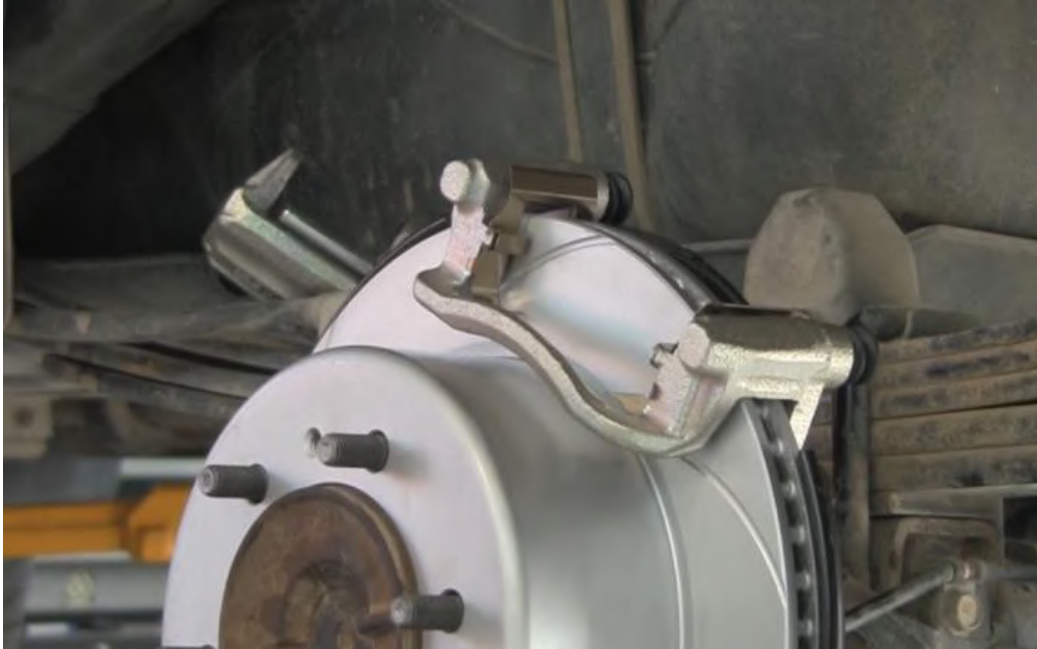
Before fitting the new brake rotor, make sure the axle face is clean.



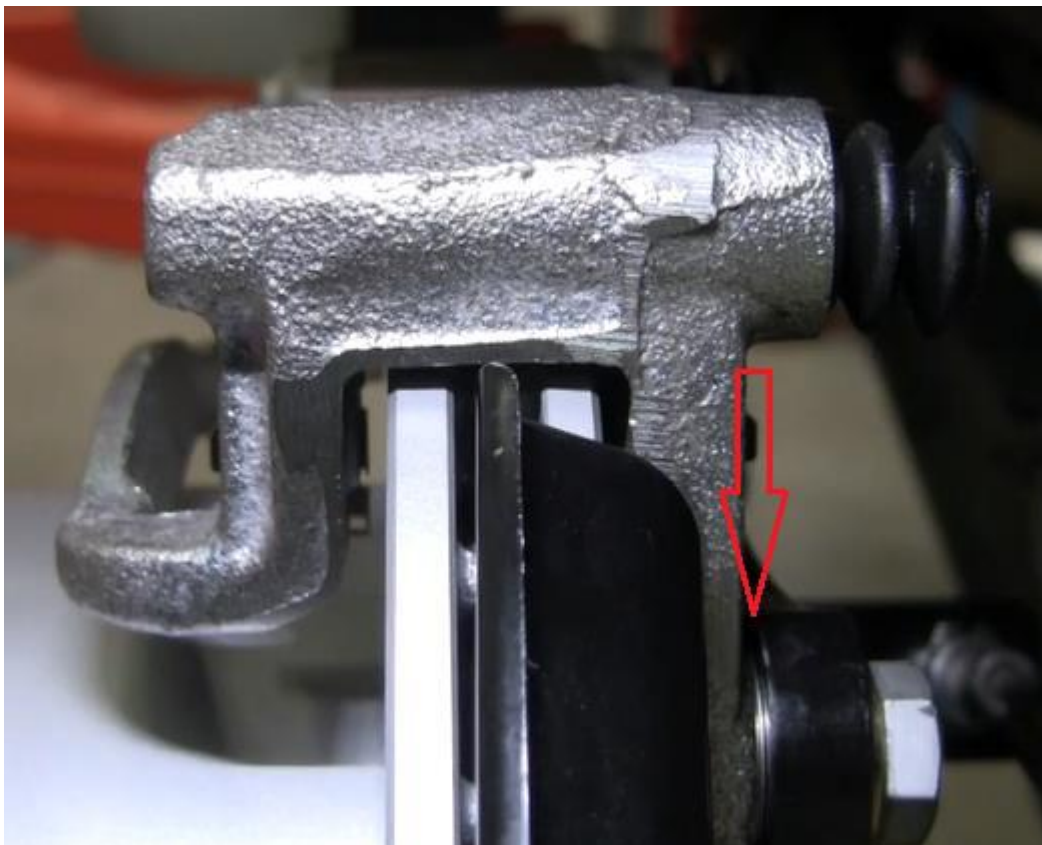
Fit the new brake rotor.

Unpack the new caliper being careful to use the correct side.

Remove the carrier from the caliper and bolt it to the bracket. #5



Using the shims supplied #10 make sure the bracket housing is central to the Rotor.

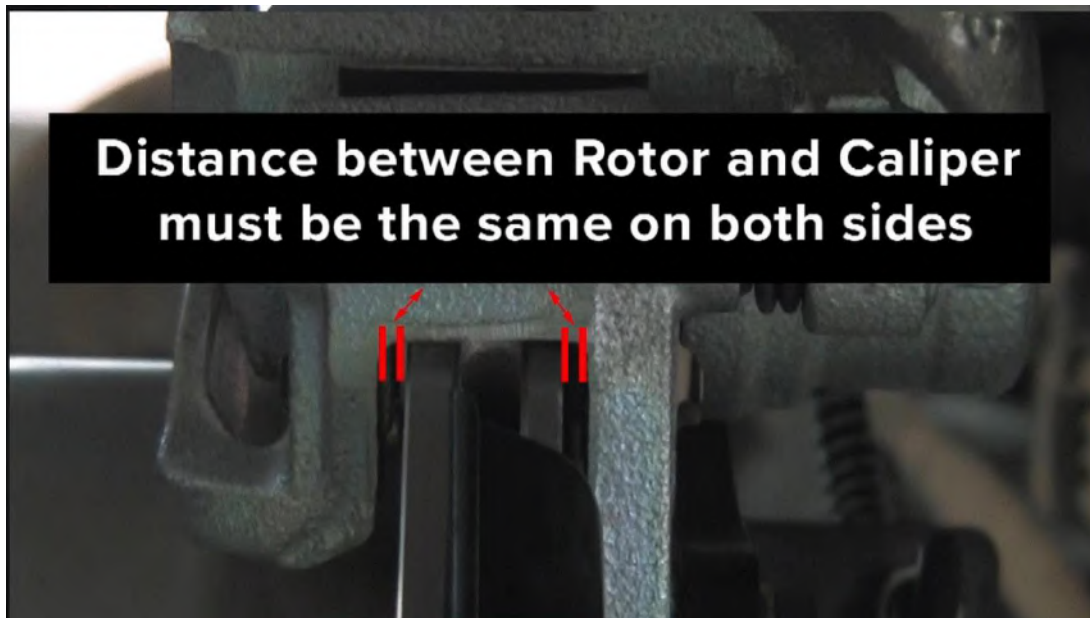


In the below image:

If the gap is smaller on the right place the shims between the bracket and the housing.

If the gap is smaller on the left, place the shims between the bracket and the carrier.

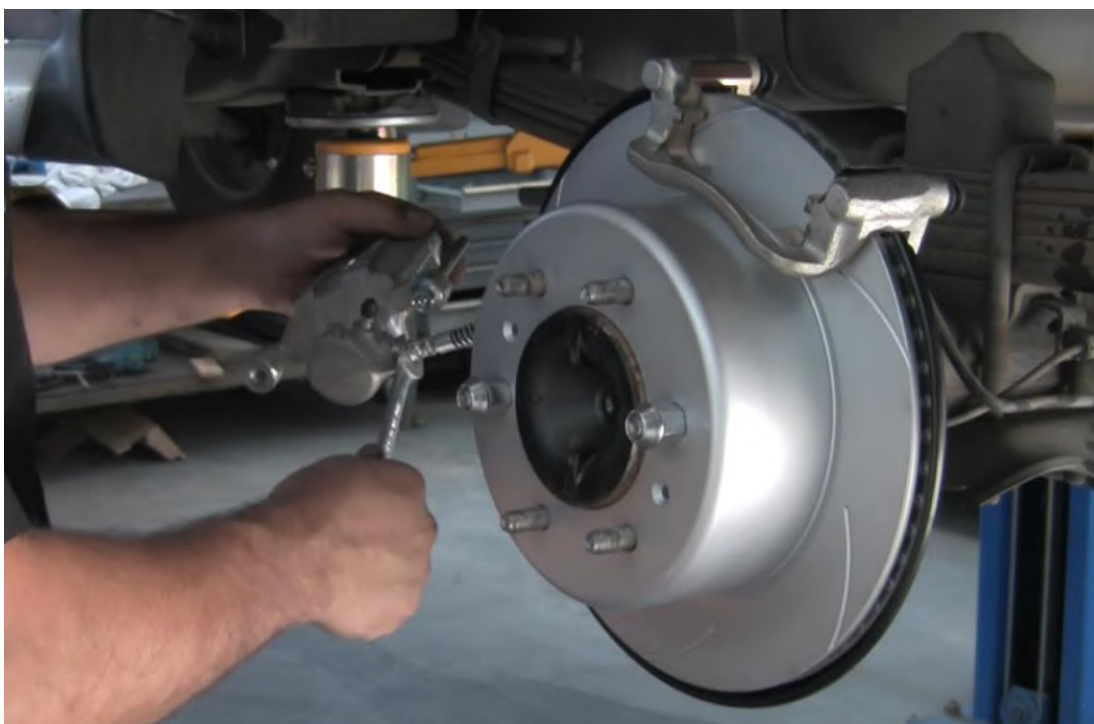
Also check that the distance is the same on the other side of the carrier.



Apply LOCTITE and tighten cradle mounting bolts and recheck alignment.

Fit the brake pads, using supplied lubricant on any pad to metal surfaces only.

Fit the new caliper to the brake hose, ensuring it is not twisted when assembled. #2



Fit the caliper using the retaining bolts and tighten.



Recheck all bolts are to the correct torque.

Remove clamps from flexible brake hose.

Bleed the brakes to remove the air from the system, making sure you top up the reservoir as you go and use the correct Dot rated fluid.



Adjust the handbrake shoes to the required tension via the access port in the backing plate. #20



Check the handbrake operation inside the vehicle.

Do a final check of the mounting bolts and replace the wheels.

Lower the vehicle to the ground and recheck the wheel nuts.

Road test the vehicle to bed in the new rear pads and check the hand brake operation while listening for any unexpected noises or vibrations.