1. Procedure summary

This process describes how to repair and change wheel bearings.

1.1. Related Procedures

1.2. Procedure impacts and concerns

Safety	Required PPE: gloves, safety glasses, long sleeve shirt, steel toe shoes and wheel chocks.
Quality	Clean up and dispose of used material in the proper container. Clean area where work was performed. All used material is being stored in the proper containers. All PPE is being cleaned and put away.
Cost	Depending on vehicle bearing cost and tire damage .

1.3. Responsibilities and owners

Document Owner	Manage content and distribution	Carlos Apodaca
Process Owner	Responsible for content and process validation	Carlos Apodaca
Site Manager	Responsible for implementation and conformance	Rebecca White

2. Process

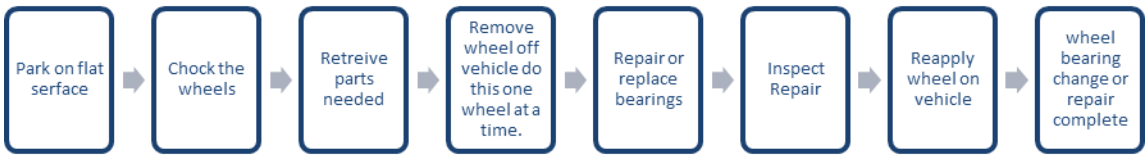
2.1. Process description

Process on how to remove or repair and install wheel bearings safely.

2.2 Tools needed to perform job.

Hydraulic Jack	Rags
Jack stands	Cleaning solvent
Lug wrench	Wheel bearing Grease
Rubber mallet	Wheel chocks
Pliers	Screw driver

2.3 Process diagram: Work Instruction



2.2. Process steps

1. Place trailer on a hard level surface.
2. Place trailer jack as close as possible to level.
3. Chock wheels on both sides of vehicle if possible.
4. Jack up vehicle
5. Place jack stand under wheel axle and remove jack.
6. Remove wheel from vehicle.
7. Pry the dust cap off of the center of the rotor using the flathead screwdriver. You may need to apply a tap or two with the rubber mallet to get it off.
8. Pull the cotter pin out of the castle nut that secures the rotor to the spindle using Needle nose pliers. Then unbolt the castle nut itself.
9. Place the flathead screwdriver inside of the area that was behind the nut and pull off the flat washer that protects the nut from the bearings.
10. Pull out the rear bearing using your fingers. It should just be resting in place.
11. Use solvents to clean both bearings.
12. Grab a handful of bearing grease and place it in the palm of your hand. Pack the replacement bearing by pressing it into the grease and turning it as you do so. The goal is to get the grease throughout all of the corners of the bearing, completely lubricating it in the process.
13. Place the greased bearing in the rotor in its original orientation. Then place the replacement seal on top and lightly tap it in place using the rubber mallet.
14. Flip the rotor over and remove the front wheel bearing. Repeat Step 12 with this bearing, and then place it back in its original orientation.
15. Slide the rotor onto the spindle. Place the washer back onto the front bearing as it was before.
16. Tighten the castle nut all the way tight, then back it off a quarter turn until the cotter pin hole is in line.
17. Put the cotter pin in the hole in the castle nut and then pull back one of the tabs to secure it in place.
18. Tap the dust cap onto the rotor and reinstall the caliper in the reverse order of removal. Then place the wheel back on and lift the vehicle off of the jack stands.
19. Do this for every wheel on the vehicle.

3. Required documents

3.1. Input documents

<Input document and storage instructions>	<Input document number>

3.2. Output documents

<Output document and storage instructions>	<Output document number>

4. Document control

4.1. Revision history

R0 – Initial Release – <Editor name>	<Date>
R1 – <Editor name>	<Date>

4.2. Document approval

<Name> <Approval date>

4.3. Document reviewers

<Name> <Last reviewed date>
<Name> <Last reviewed date>

5. Risk analysis

<Risk name>	<Mitigation plan>	<Owner>	<RPN>