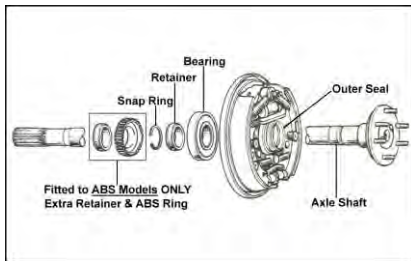
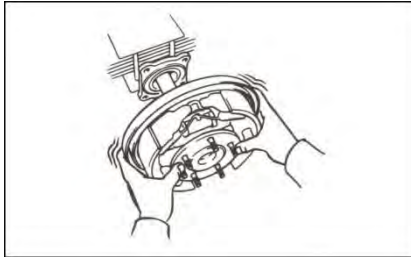


Rear Wheel Bearing / Tool1 Fitting Guide



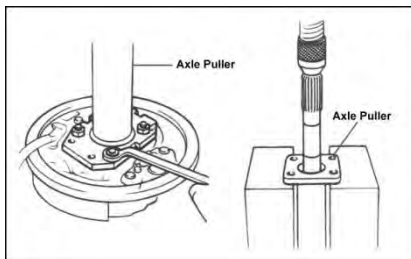
This diagram explains the set-up of rear wheel bearing half shaft found on the Toyota 4x4 rear axles with and without ABS.

ABS models require removing the outer retainer and ABS ring to access the snap ring prior to using the bearing puller.



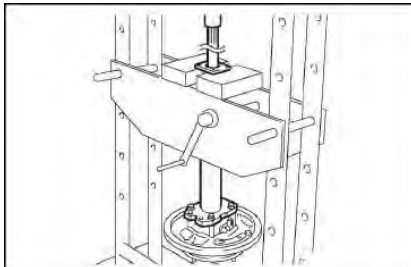
Remove the wheel and brake drum; disconnect the brake tube and hand brake cable.

Remove the 4 backing plate mounting nuts and **remove the snap ring from the shaft.**



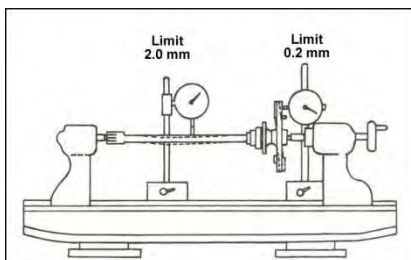
Using a **Rear Axle Shaft Puller (Pt No. TOOL1)** attach it to the backing.

When pulling the rear axle shaft out be careful not to damage the oil seal unless you are replacing it.



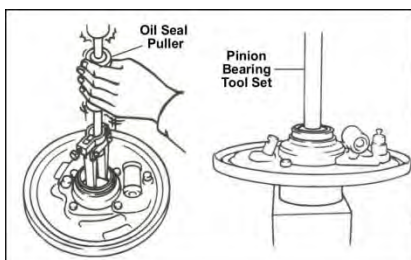
Using a press, press out the rear axle shaft from the backing plate.

When removed inspect the rear axle shaft and flange for wear, damage or runout.



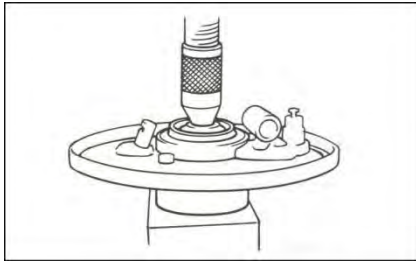
Maximum shaft runout: 2.0mm (0.079 Inch)
Maximum flange runout: 0.2mm (0.008 Inch)

If the rear axle shaft or flange is damaged or worn, or if the runout is greater than the maximum, replace the rear axle shaft.



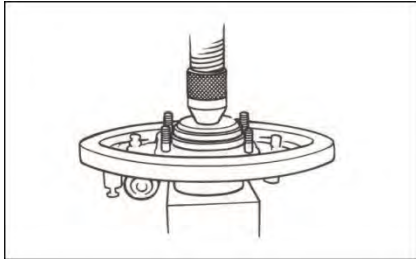
Inspect the oil seal for damage and check the oil seal lip for wear or damage.

If necessary, replace the outer oil seal using an oil seal puller and install the new oil seal with a hub & drive pinion bearing tool set.

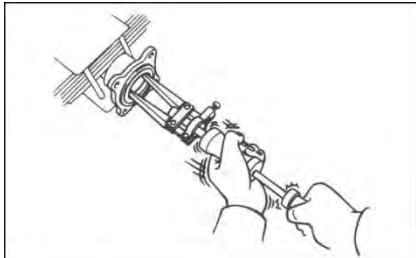


Inspect the rear axle bearing for wear or damage.

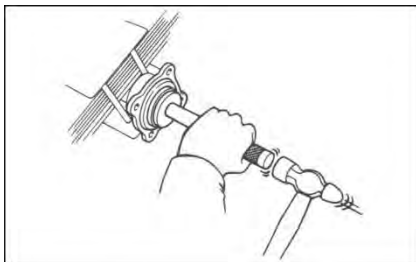
If necessary, replace the bearing by removing the bearing outer oil seal and press out the bearing using a suitable press.



Inspect bearing case and clean all surfaces with emery cloth and press the new bearing into the hub. Install new oil seal.

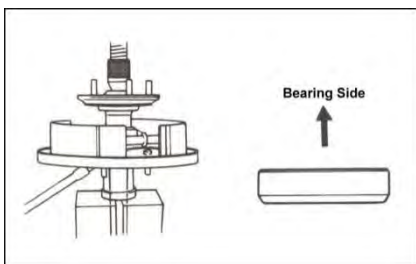


Remove inner axle oil seal.



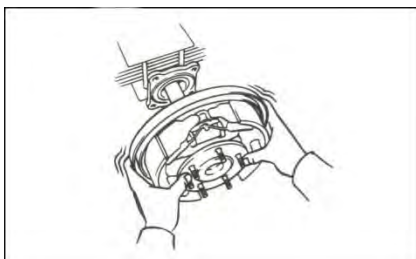
Clean surfaces and install new inner axle oil seal being careful not to damage the new seal.

Before installing the rear axle shaft into the backing plate apply MP grease to the oil seal.



Insert the backing plate and bearing retainer on the rear axle shaft.

Carefully press the rear axle shaft into the backing plate and install the new snap ring with snap ring pliers.



Install the rear axle shaft with four nuts and Torque to 700kg-cm (51 ft-lb, 69N-m). Be careful not to damage the oil seal.

When inserting the axle shaft, be careful not to hit or deform the oil deflector inside the axle housing.

Connect the brake tube, hand brake cable and install the drum and fit the wheel.

The axle shaft puller safely removes the axle shaft on a variety of Toyota models without damaging the shaft, just remember there is a half shaft retainer snap ring that needs to be removed before using the puller. Cutting a bearing, retainer or ABS ring can damage the axle beyond repair resulting in oil leaking from the shaft.