

# **Component Procedures: Constant Velocity Joint Boot**

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# Component Procedures: Constant Velocity Joint Boot

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Rear Axle > Outer Boot	92228290	4 - Outer Boot	0.00	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Rear Axle > One Side	B	2.4	0.0
Replace	Rear Axle > One Side > NOTE > To R&R Axle Sha?	B	0.2	0.0
Replace	Rear Axle > Both Sides	B	4.5	0.0
Replace	Rear Axle > Both Sides > NOTE > To R&R Axle S?	B	0.2	0.0

## Rear Wheel Drive Shaft Inner Joint and Boot Replacement (Article 10908)

### Special Tools

- CH 48894 - Drive Axle Seal Clamp Pliers
- J 35910 - Drive Axle Boot Clamp Pliers

For equivalent regional tools, refer to Special Tools .

### Disassemble Procedure

- Remove the wheel drive shaft. Refer to Rear Wheel Drive Shaft Replacement .
- Remove the outer CV joint and boot. Refer to Rear Wheel Drive Shaft Outer Joint and Boot Replacement .
- Using the appropriate tool, remove and discard the outer boot clamp (3) and the inner boot clamp (2) from the CV joint (4). Click for full-size image
- Remove the CV joint boot (2) from the CV joint (3) and the wheel drive shaft (1). Click for full-size image
- Using the appropriate cleaner, remove the lubricant from the CV joint and the wheel drive shaft.

### Assemble Procedure

- Install the CV joint boot and clamp (1) on the wheel drive shaft and CV joint housing (2). Click for full-size image
- Ensure that the CV joint boot (1) is properly seated in the groove (2) in the wheel drive shaft (3). Click for full-size image
- Using the J 35910 - pliers , breaker bar, torque wrench and or ratchet (1), close the clamp (2) until the gap (3) measures 1.8 mm (0.07 in) . Click for full-size image
- Place approximately half of the lubricant (1) in the CV joint boot (2) and the other half in the CV joint (3). Click for full-size image
- Install the CV joint boot and clamp (2) CV joint housing (1).
- The following service procedure is for those vehicles equipped with the ear type boot clamp (2). For those vehicles equipped with the earless type (low profile) (1), proceed to step 8 Click for full-size image
- Using the J 35910 - pliers (3), breaker bar (5) and a torque or racket wrench (4), close the clamp until the gap measures 1.9 mm (0.07 in). Click for full-size image
- Using the CH 48894 - pliers (1), close the boot clamp (3). Click for full-size image
- Move the CV joint in a circular motion to distribute the lubricant inside the cv joint housing.
- Clean any remaining lubricant from the outside of the CV joint.
- Install the outer CV joint and boot. Refer to Rear Wheel Drive Shaft Outer Joint and Boot Replacement .
- Install the wheel drive shaft. Refer to Rear Wheel Drive Shaft Replacement .

## Rear Wheel Drive Shaft Outer Joint and Boot Replacement (Article 10910)

### Special Tools

- CH 48894 - Drive Axle Boot Clamp Pliers
- J 8059 - Snap Ring Pliers
- J 35910 - Drive Axle Boot Clamp Pliers

For equivalent regional tools, refer to Special Tools .

### Disassemble Procedure

- Remove the wheel drive shaft from the vehicle. Refer to Rear Wheel Drive Shaft Replacement .
- Install the wheel drive axle shaft in a soft jawed vice. Click for full-size image
- Using the appropriate tool, remove and discard the outer boot clamp (2) from the CV joint boot (3). Click for full-size image

- Using a pair of side cutters, remove and discard the inner boot clamp (4) from the CV joint boot (3).
- Remove the CV joint boot (3) from the CV joint housing (1).
- Using a pair of side cutters, remove and discard the outer boot clamp (3) and the inner boot clamp (1).  
Click for full-size image
- Remove the CV joint boot (2) from the CV joint housing (4).
- Using a hammer and a block of wood, remove the CV joint (2) from the wheel drive shaft (1). Click for full-size image
- Using the J 8059 - pliers , remove the retaining ring (2) from the wheel drive shaft. Click for full-size image
- Remove the CV joint boot (1) from the wheel drive shaft (2). Click for full-size image
- Inspect the wheel drive shaft CV joint. Refer to Wheel Drive Shaft Outer Joint Inspection .

#### Assemble Procedure

- Position the boot and the clamp (1) on the wheel drive shaft (2). Click for full-size image
- Ensure that the boot (1) is properly seated in the groove (2) in the wheel drive shaft (3). Click for full-size image
- Using the J 8059 - pliers , install the retaining ring (2) on the wheel drive shaft (1). Click for full-size image
- Using the J 35910 - drive axle boot clamp pliers (1), close the boot clamp (2) until the gap (3) measures 2.15 mm (0.85 in) .
- Using a block of wood and a hammer, install the CV joint (1) on the wheel drive shaft. Click for full-size image
- Place approximately half of the lubricant (2) inside the CV boot (1) and other half in the CV joint (3).  
Click for full-size image
- Remove any excess lubricant on the CV joint housing or the boot.
- If working with a wheel drive that has the ear type clamp (2), proceed to step 9. If the wheel drive shaft has the low profile clamp (1), skip step 9 and proceed to step 10. Click for full-size image
- Using the J 35910 - pliers (1), torque or ratchet wrench and breaker bar, close the boot clamp until the gap (3) measures 2.15 mm (0.85 in) . Click for full-size image
- Using the CH 48894 - pliers (1), close the boot clamp (3). Click for full-size image
- Move the CV joint in a circular motion 4 to 5 times to distribute the lubricant.
- Remove the wheel drive shaft from the vise.
- Install the wheel drive shaft. Refer to Rear Wheel Drive Shaft Replacement .