Component Procedures: Wheel Bearing

Table of Contents

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Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Front Suspension > Hub & Bea?	13580685	1 - Hub & Bearing	287.18	

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Front Suspension > Suspension Components > Hu?	B	1.1	0.6
Remove & Replace	Front Suspension > Suspension Components > Hu?	B	2.0	0.0
Remove & Replace	Rear Suspension > Suspension Components > Hub?	B	1.0	0.8
Remove & Replace	Rear Suspension > Suspension Components > Hub?	B	1.8	0.0

Rear Suspension (Article 13571)

Non Standards
- Rear Wheel Bearing and Hub Replacement (13572)

Front Suspension (Article 13533)

Non Standards
- Front Wheel Bearing and Hub Replacement (LFX) (13534)

Wheel Bearings Diagnosis (Article 13613)

Step Action Values Yes No
1 Did you review the General Description and perform the necessary inspections? — Go to Step 2 Go to Symptoms
- Suspension General Diagnosis
2 Install the J 39570 - Chassis Ear . Road test the vehicle to verify the location of the noise. Drive the vehicle on a smooth road at a moderate speed range. While driving, turn the wheel to the left and the right to apply loads to each wheel corner. Is the noise present at the wheel bearing ? 48–72 kph (30–45 mph) Go to Step 7 Go to Step 3
- Install the J 39570 - Chassis Ear .
- Road test the vehicle to verify the location of the noise. Drive the vehicle on a smooth road at a moderate speed range. While driving, turn the wheel to the left and the right to apply loads to each wheel corner.
3 Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle . Remove the tire and wheel. Refer to Tire and Wheel Removal and Installation . Ensure the wheel drive shaft nut is properly tightened. Refer to Fastener Specifications . Are the nuts fastened to the correct specified value? — Go to Step 4 Go to Step 8
- Raise and support the vehicle. Refer to Lifting and Jacking the Vehicle .
- Remove the tire and wheel. Refer to Tire and Wheel Removal and Installation .
- Ensure the wheel drive shaft nut is properly tightened. Refer to Fastener Specifications .
4 Mount and secure the J 8001 - Dial Indicator to the steering knuckle . Firmly push the hub flange towards the vehicle. Ensure that the dial indicator contacts the vertical surface of the hub as close as possible to the center of the flange. Firmly pull the hub flange away from the vehicle in order to inspect the total travel indicator by the dial indicator. Is the measurement greater then the specified value? 0.127 mm (0.005 in) Go to Step 7 Go to Step 5
- Mount and secure the J 8001 - Dial Indicator to the steering knuckle .
- Firmly push the hub flange towards the vehicle.
- Ensure that the dial indicator contacts the vertical surface of the hub as close as possible to the center of the flange.
- Firmly pull the hub flange away from the vehicle in order to inspect the total travel indicator by the dial indicator.
5 Inspect for tire or wheel damage. Did you find and correct the condition? Go to Step 9 Go to Step 6
6 Inspect the front and/or rear suspension . Refer to Noise Diagnosis - Front Suspension or Noise Diagnosis - Rear Suspension . Did you find and correct the condition? — Go to Step 9 Go to Step 2
7 Replace the wheel bearing. Refer to Front Wheel Bearing and Hub Replacement or Rear Wheel Bearing and Hub Replacement . Did you complete the repair? — Go to Step 9 —
8 Remove the old wheel drive shaft nut and install a NEW wheel drive shaft nut. Tighten to the specified value. Refer to Fastener Specifications . Did you complete the repair? — Go to Step 9 —

9	Road test the vehicle to verify the repair. Does the vehicle operate normally?	—	System OK Go to Step 3