

# Micro Bird Chevrolet/GMC Rear Axle Spindle Nut Update

## Service/Sales Update #24-0309



### New Style Axle Spindle Nut Requires Special Tool and Procedure

We have found that on the new G-Series General Motors product with dual rear wheels, the rear axle spindle nut (FIGURE #1) is of new design and requires a special socket, Proshear #DT-52987 (FIGURE #2) to service. Being of a new design, it also requires an updated torquing procedure to properly adjust which is explained in the following pages.



FIGURE #1

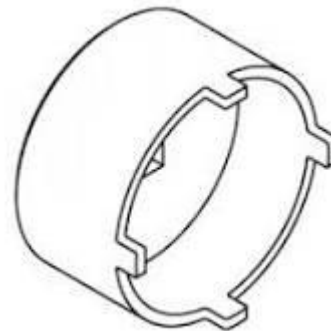


FIGURE #2

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# Wheel Bearing Adjustment

## Special Tools

DT-52987 ProShear Nut Socket – 2.0 inch

Equivalent regional tools: [Special Tools](#)

## Visual/Physical Inspection

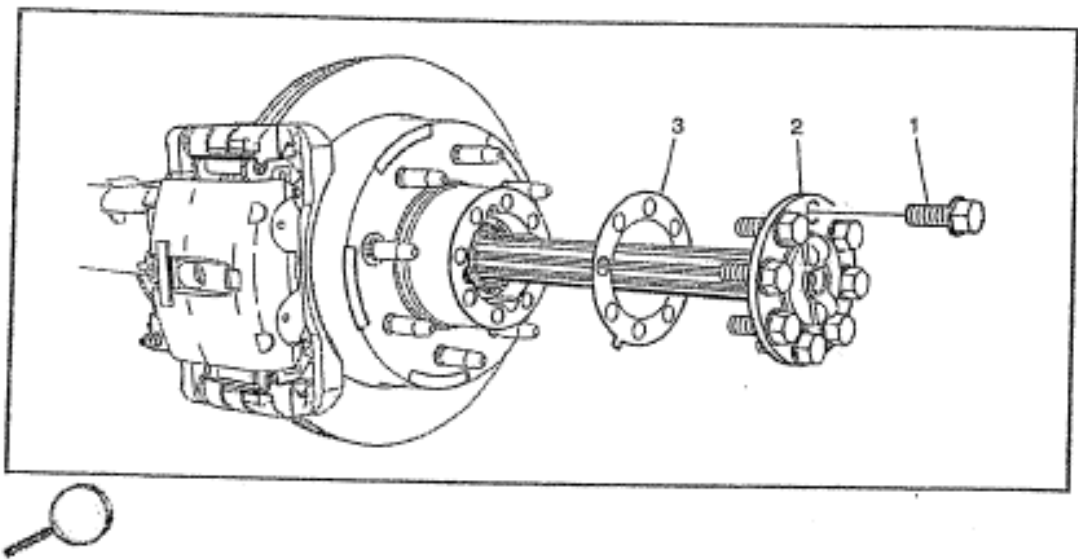
**Note:** Ensure the brakes are fully released and do not drag.

Pull or push the tire at the top back and forth in order to test the wheel bearing play.

- Use a pry bar under the tire as an alternative.
- If the wheel bearing adjustment is correct, the movement will be barely noticeable.
- If the movement is excessive, adjust the bearings.

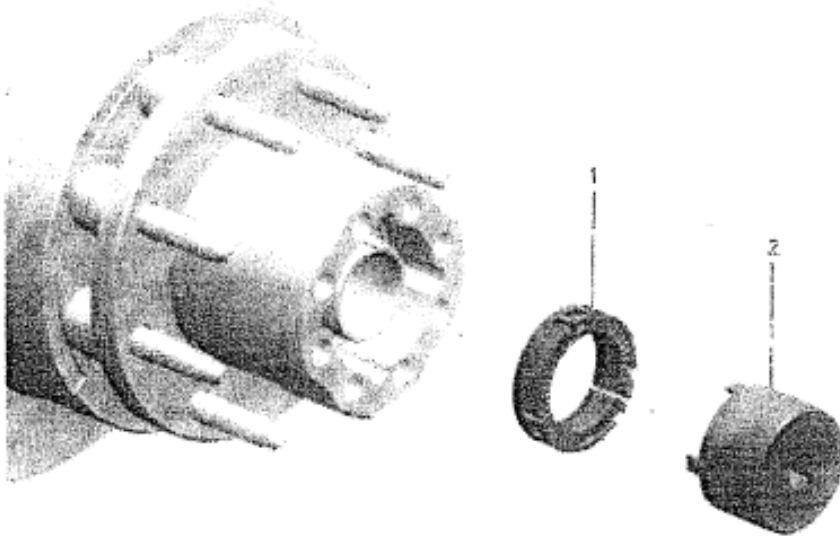
## Adjustment Procedure

1. Raise the vehicle. [Lifting and Jacking the Vehicle](#)
2. Remove the tire and wheel assembly. [Tire and Wheel Removal and Installation](#)



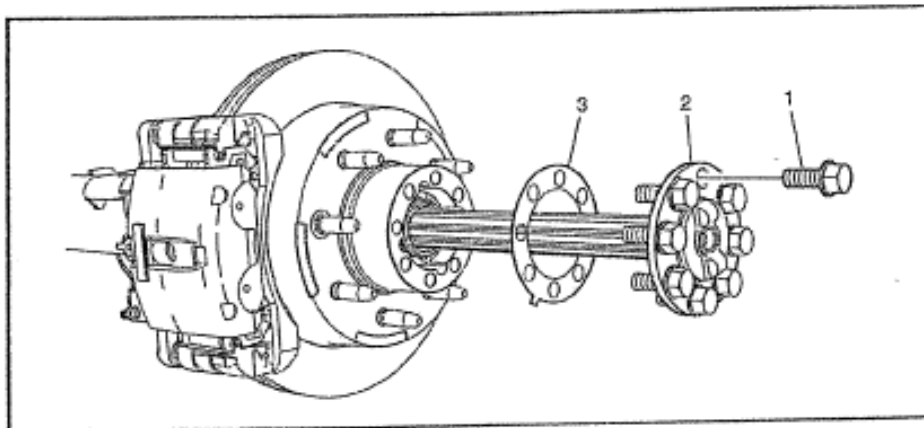
3. Rear Axle Shaft » Remove [Rear Axle Shaft and Gasket Replacement](#)

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**Caution:** Refer to [Fastener Caution](#).

4. Using the *DT-52987 ProShear Nut Socket – 2.0 Inch (2)*, loosen the rear wheel bearing adjust nut (1).
5. Using the *DT-52987 ProShear Nut Socket – 2.0 inch (2)*, Tighten the rear wheel bearing adjust nut (1) to **100 Y (74 lb ft)** . While rotating the hub assembly in the opposite direction to the way the rear wheel bearing adjust nut (1) is turning.



6. Rear Axle Shaft » Install [Rear Axle Shaft and Gasket Replacement](#)

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# DT-52987 ProShear Nut Socket - 2.0 in

The wheel hub and brake rotor assembly is held on the full-floating rear axle by a hub nut against the hub bearing. The hub nut is used to retain the hub and rotor assembly in position, and also controls the bearing preload and hub end play. Certain axles are changing to a ProShear hub nut for improved performance.

These ProShear nuts are a unitized design, which replaces the current nut, lock, and key design. DT-52987 fits the ProShear nut used on 10.5" DRW rear axles in full-size van models. The ProShear nut cannot be driven correctly without using DT-52987, and failure to use DT-52987 will not allow the nut to be removed without damage, or to be installed to reach the correct preload and end play.

Application: Chevrolet Express, GMC Savana with 10.5" rear axle with Dual Rear Wheels (DRW)



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# CONTACT US WITH ANY QUESTIONS

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