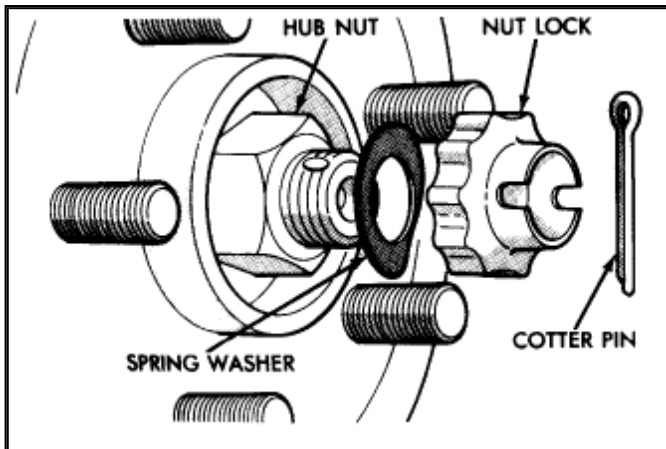


1994 Dodge Truck Caravan V6-201 3.3L[Vehicle Level](#) → [Steering and Suspension](#) → [Suspension](#) → [Wheel Bearing](#) → [Service and Repair](#) → [Front](#) ←**Front**[Notes](#)

This hub and bearing assembly is being used on certain extended wheelbase Caravan, Voyager and Mini Ram Vans. This unit is serviced as a complete assembly, and is attached to the steering knuckle by four mounting screws that are removed from the rear of the knuckle assembly.

Remove

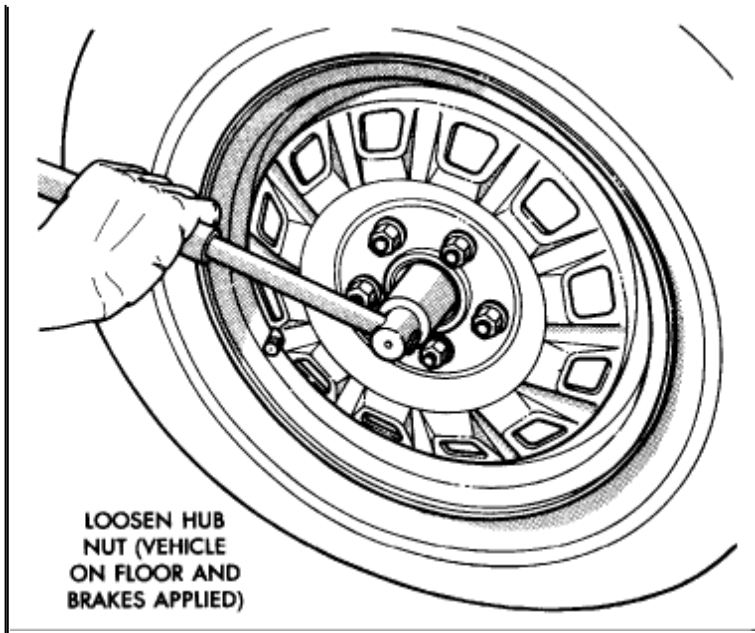


Zoom

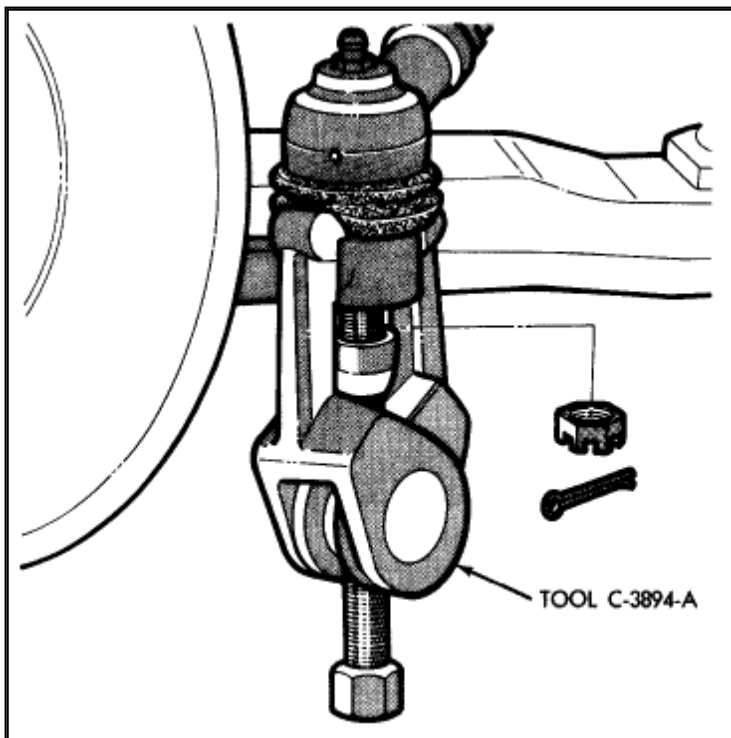
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1. Remove cotter pin, nut lock, and spring washer.

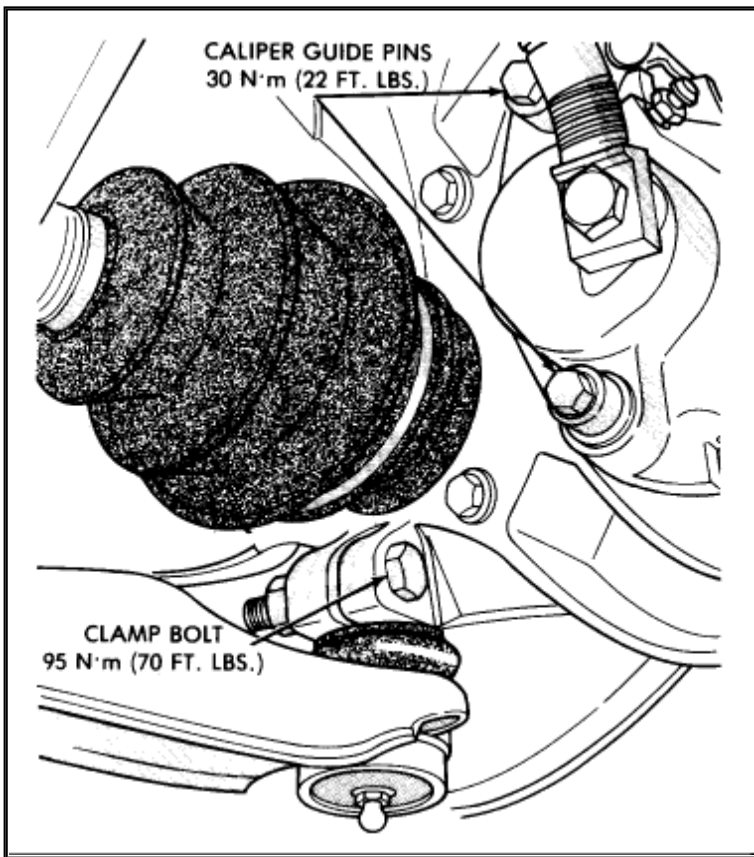


[Zoom](#)[Sized for Print](#)

2. Loosen hub nut while the vehicle is on the floor with the brakes applied. The hub and driveshaft are splined together through the knuckle (bearing) and retained by the hub nut.
3. Raise vehicle.
4. Remove hub nut, washer, and wheel and tire assembly.

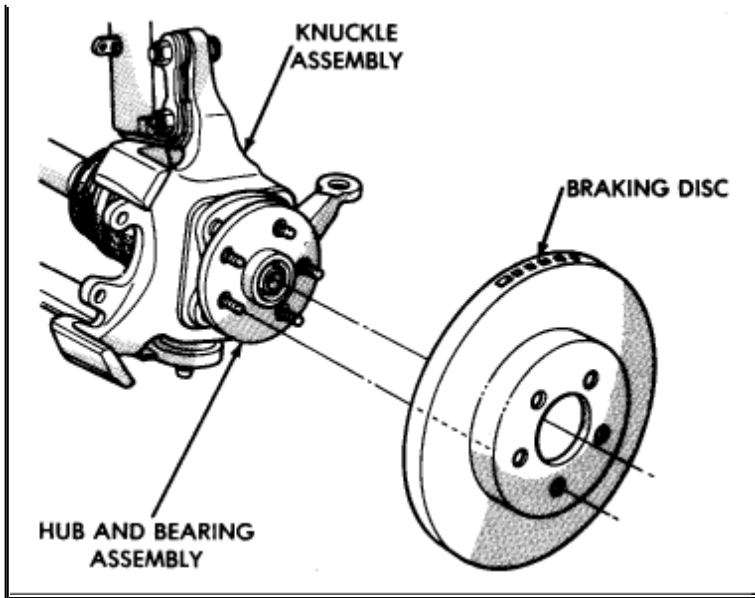
[Zoom](#)[Sized for Print](#)

5. Disconnect tie rod end from steering arm with Tool C-3894-A.

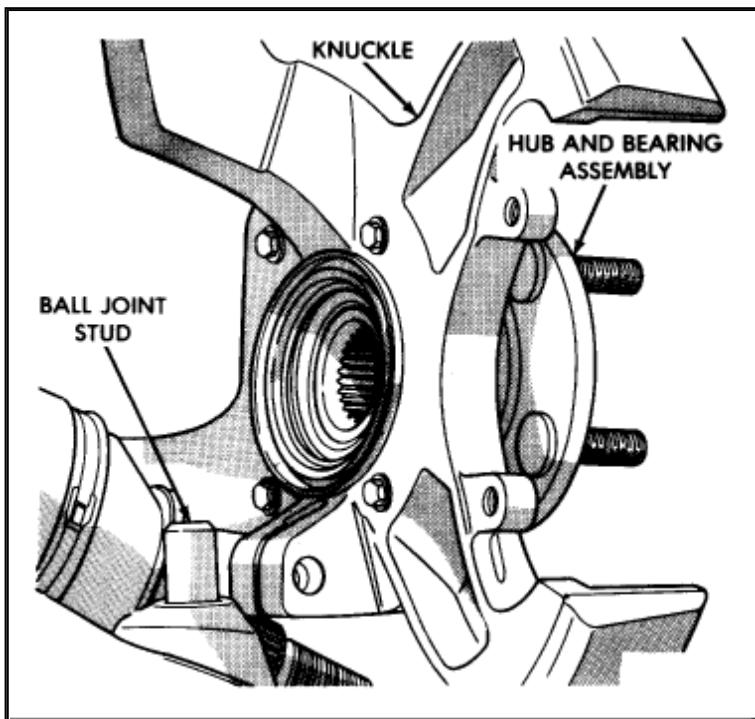
[Zoom](#)[Sized for Print](#)

6. Remove clamp bolt securing ball joint stud into steering knuckle.



[Zoom](#)[Sized for Print](#)

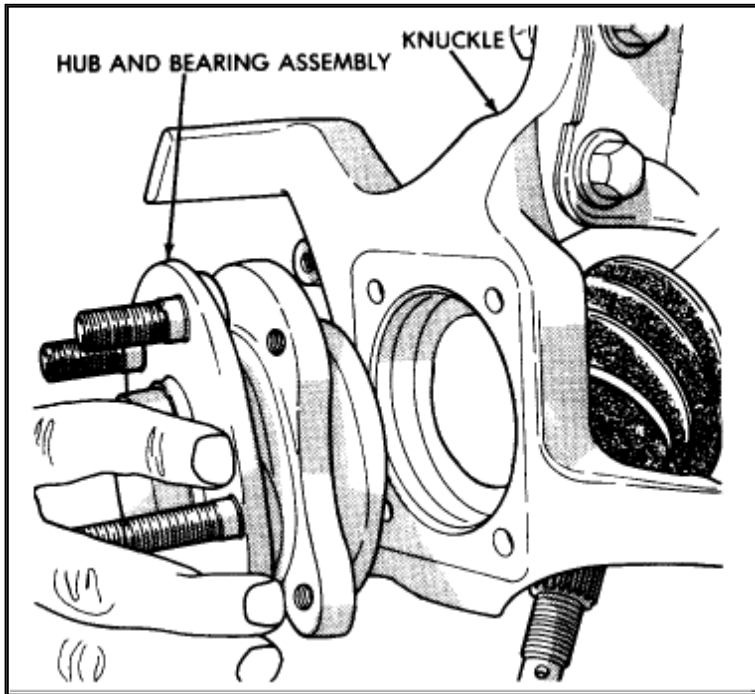
7. Remove caliper guide pins and separate caliper assembly from braking disc. **SUPPORT CALIPER WITH WIRE HOOK AND NOT BY HYDRAULIC HOSE** . Remove braking disc.

[Zoom](#)[Sized for Print](#)

8. Separate ball joint stud from knuckle assembly. Pull knuckle assembly out

and away from driveshaft. **NOTE:** Care must be taken not to separate the Inner C/V joint during this operation. Do not allow driveshaft to hang by inner C/V joint, driveshaft must be supported.

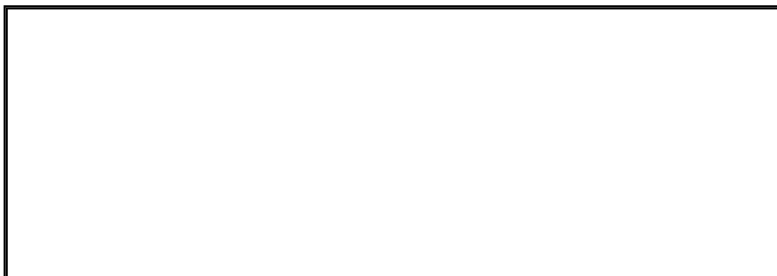
9. Remove the four hub and bearing assembly mounting screws from rear of steering knuckle.

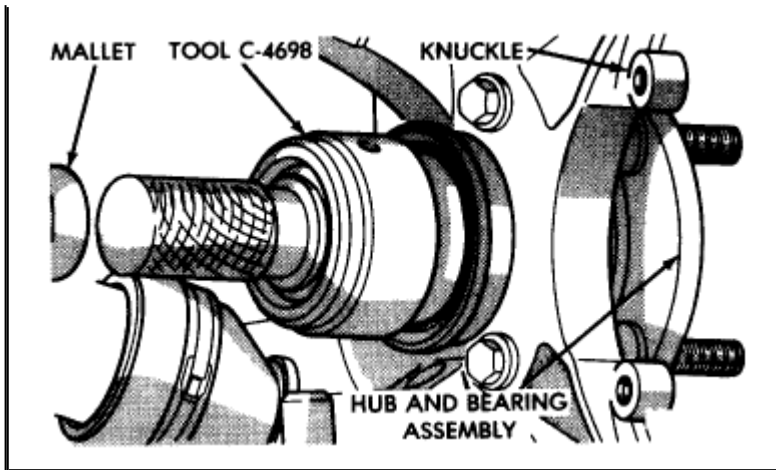
[Zoom](#)[Sized for Print](#)

10. Remove hub and bearing assembly. Replacement of the grease seal is recommended whenever this service is performed.

Installation

1. Install new hub and bearing assembly and tighten screws in a criss-cross pattern to **45 ft.lbs. (65 Nm.)**. **CAUTION:** Knuckle and bearing mounting surfaces must be smooth and completely free of foreign material or nicks.
2. Position new seal in recess and assemble installer Tool C-4698 tool is provided with a handle and dual purpose drive head for installing seal into knuckle and (head reversed) for installing wear sleeve into C/V joint housing).

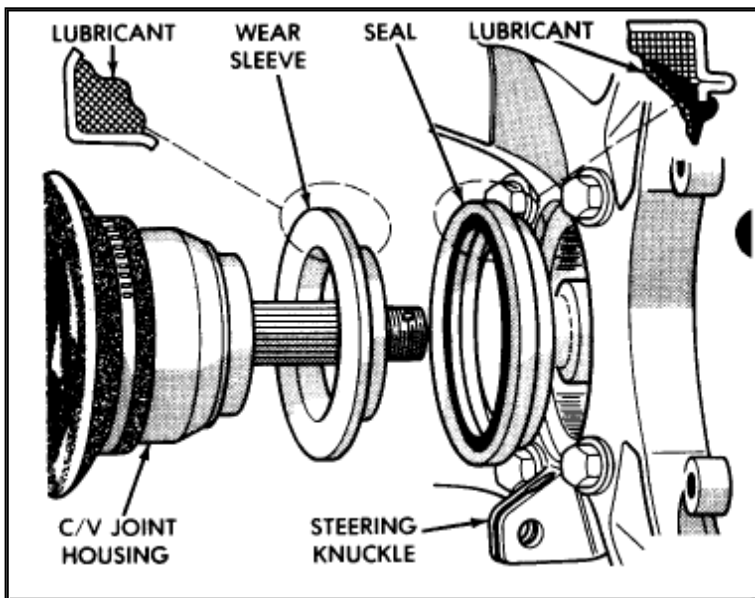




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3. Assemble tool and install seal. **CAUTION:** During any service procedures where knuckle and driveshaft are separated, thoroughly clean seal and wear sleeve and relubricate BOTH components.

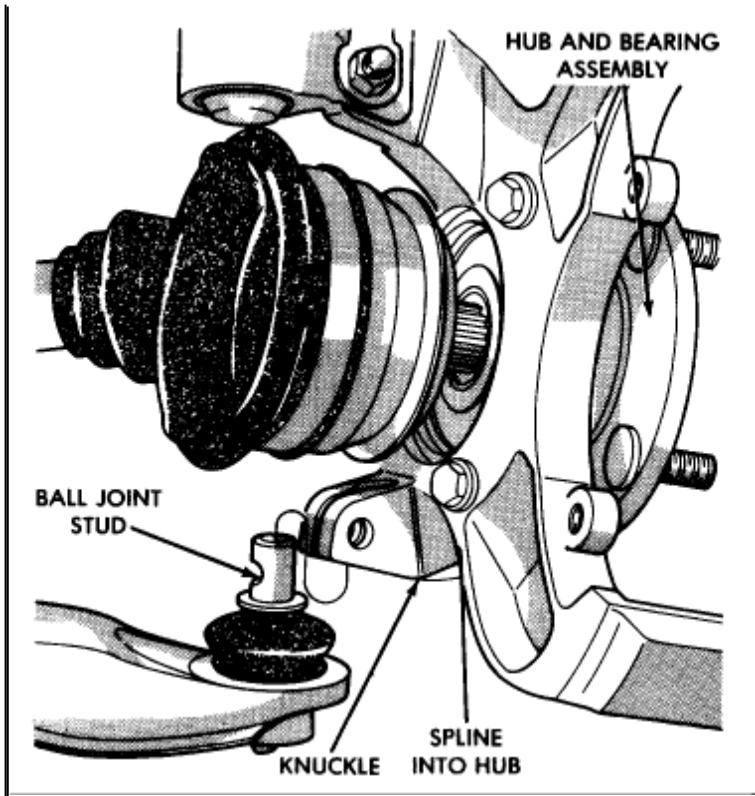


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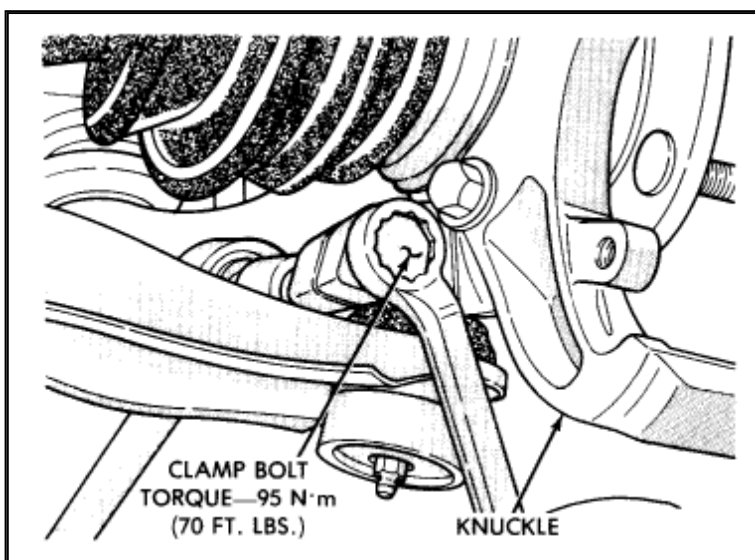
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4. Lubricate the full circumference of the seal (and wear sleeve) with MOPAR Multi-Purpose Lubricant or equivalent.



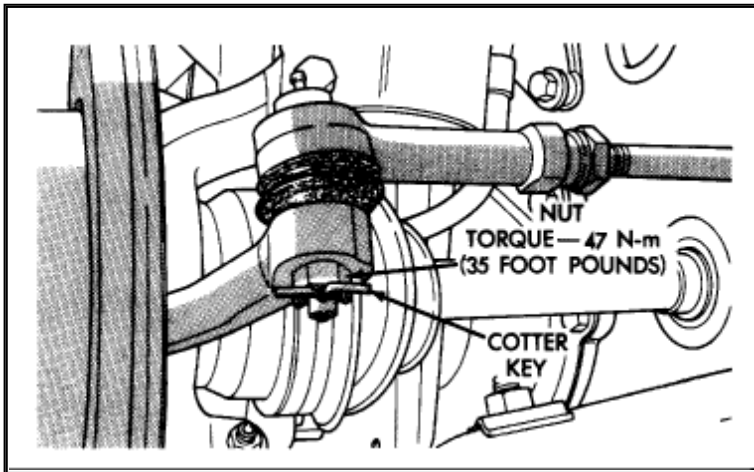
[Zoom](#)[Sized for Print](#)

5. Install driveshaft through hub, then install steering knuckle assembly on lower control arm ball joint stud.

[Zoom](#)[Sized for Print](#)

6. Install original (or equivalent) ball joint to knuckle clamp bolt, torque to **95**

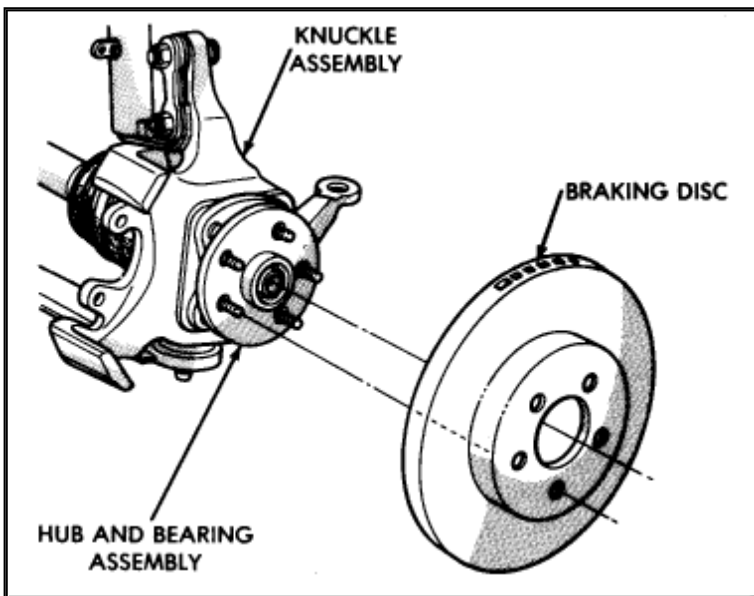
Nm (70 ft.lbs.) .



Zoom

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7. Install tie rod end into steering arm, tighten nut to **47 Nm (35 ft.lbs.)** torque and install cotter key.

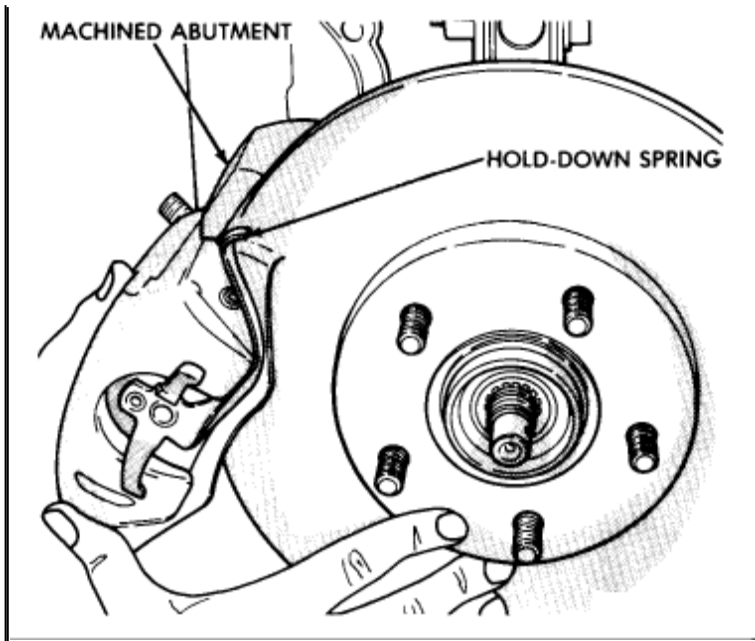


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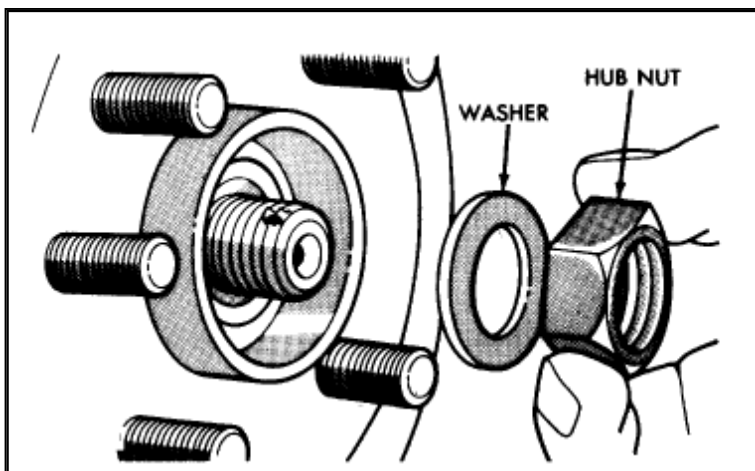
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8. Install braking disc.



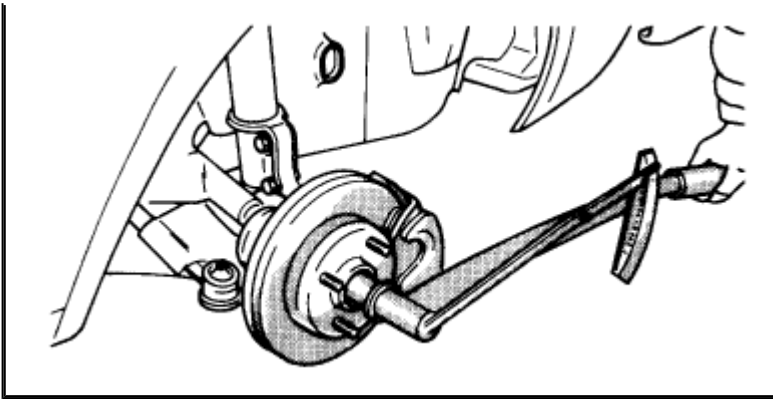
[Zoom](#)[Sized for Print](#)

9. Carefully lower caliper over braking disc and guide hold-down spring under machined abutment on knuckle assembly. Install guide pins and tighten to **25-35 Nm (18-26 ft.lbs.)**. When installing guide pins, use extreme caution not to cross the threads.

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10. Install washer and hub nut after cleaning foreign matter from threads.

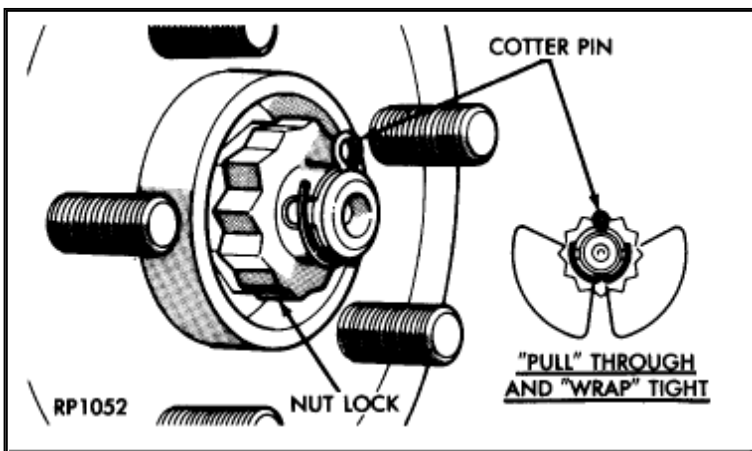




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11. With brakes applied, tighten nut to **180 ft.lbs. (244 Nm)**.



Zoom

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12. Install spring washer, nut lock, and new cotter pin. Wrap cotter pin prongs tightly around nut lock.
13. Install wheel and tire assembly. Tighten wheel nuts to **85 ft.lbs. (115 Nm)**.