

WHEELS

Introduction

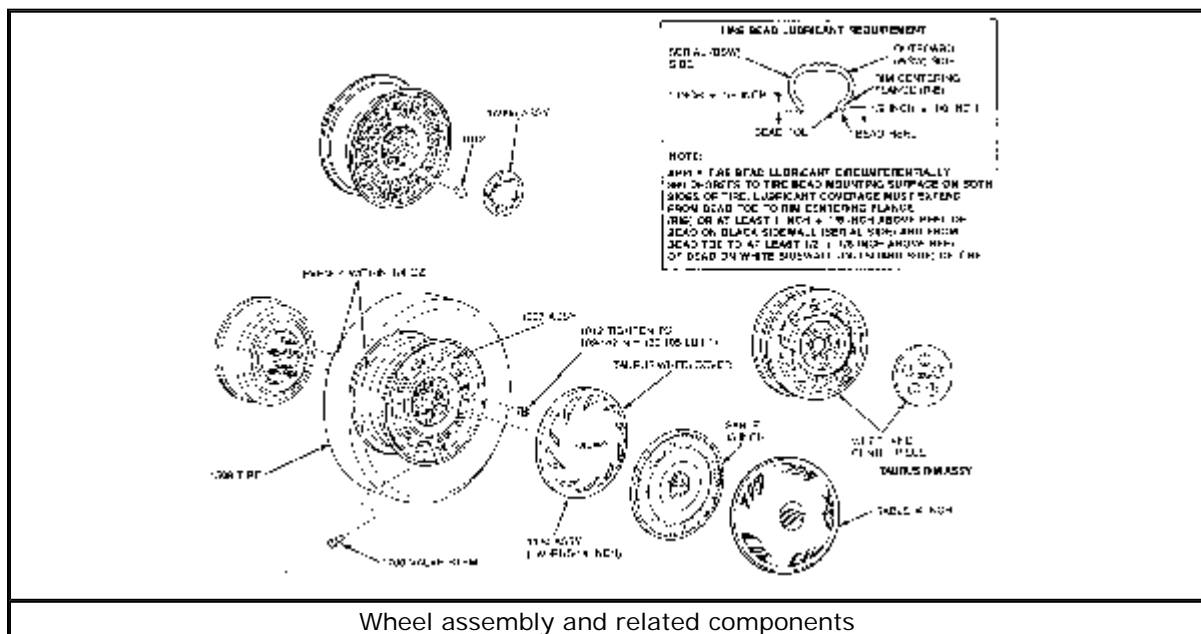
REMOVAL & INSTALLATION

All vehicles use Metric (M-12) lug nuts. Replacement lug nuts must be of the same type and thread size. Metric lug nuts are identified by the word "Metric" stamped in the top surface of the nut.

1. Position the vehicle on a level surface. Apply the emergency brake.
2. If equipped with automatic transaxle, be sure that the selector lever is in the PARK position.
3. If equipped with manual transaxle, be sure that the selector lever is gear.
4. Using the tapered end of the lug nut wrench, remove the hub cap from the wheel and tire assembly.

Aluminum wheels require a special bulge-type lug nut with an enlarged chamfer to prevent distortion of the wheel hub bolt nut seat.

5. Using the proper size lug nut wrench, loosen, but do not remove, the lug nuts from the wheel and tire assembly.
6. Raise and properly support the vehicle.
7. Finish loosening, then remove the lug nuts from the wheel and tire assembly.
8. Remove the wheel and tire assembly from its mounting.



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To install:

9. Install the tire and wheel assembly to the brake rotor or drum.
10. Install the lug nuts, then finger-tighten then in a crisscross pattern. Lower the vehicle to the ground.
11. Cross-tighten the lug nuts to 85-105 ft. lbs. (115-142 Nm).
12. Align the hub cap/wheel cover with the tire valve and cap extension, matching the hole in the cover (also identified on the backside of the wheel cover with the valve stem logo). With the palm of your hand, hit on the outside edges of the cover until it is snapped in place all the way around.

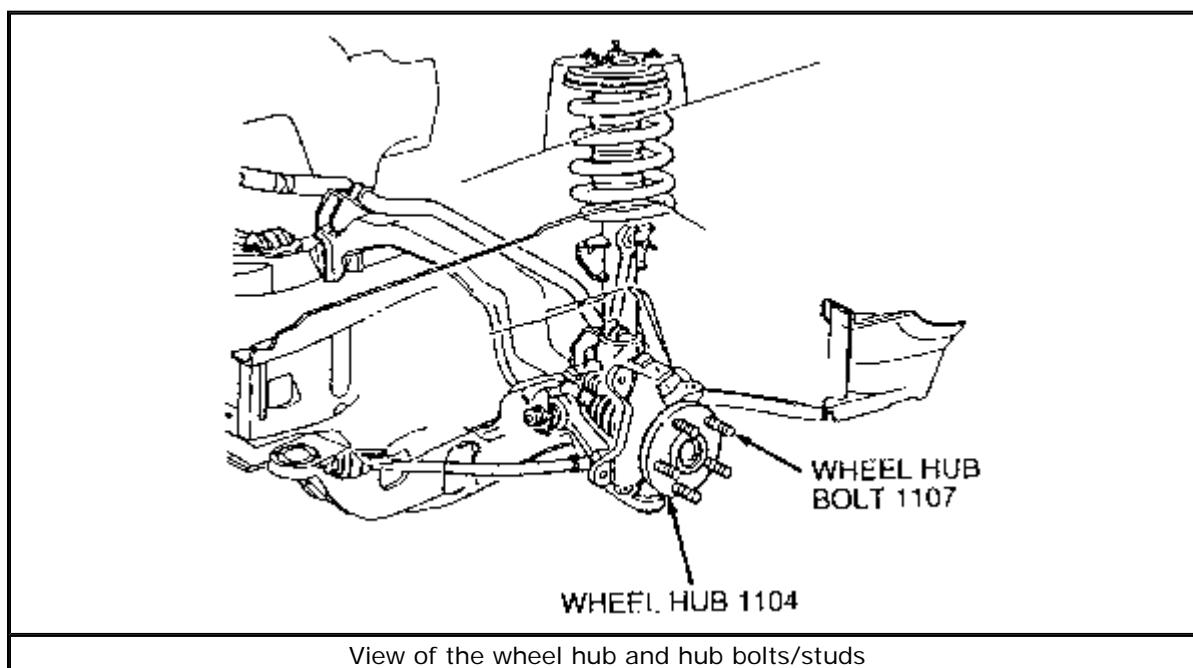
INSPECTION

Replace wheels if they are bent, dented, heavily rusted, have air leaks, elongated bolt holes or excessive lateral and radial run-out.

Also inspect wheel lug nuts and be sure that they are tightened to specification.

Wheel Lug Studs/Hub Bolts**REPLACEMENT**

1. Raise and safely support the vehicle.
2. Remove the wheel and tire assembly.
3. Remove the caliper and rotor. For details, please refer to the procedures located in *Section 9* of this manual.
4. Position the wheel hub bolt/stud to clear the steering knuckle.
5. Remove the bolt/stud from the wheel hub.



[Click to enlarge](#)

To install:

- 6. Install the bolt/stud into the wheel hub.**
 - 7. Using a lug nut, seat the bolt/stud into the wheel hub.**
 - 8. Install the caliper and rotor.**
 - 9. Install the wheel and tire assembly, then carefully lower the vehicle.**
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