VEHICLE GROUP CHAIRMAN'S

Attachment D
MCI Maintenance Manual
(2 Pages)

GENERAL DESCRIPTION

Wheel Attachment

The wheels are hub-piloted and mounted with two-piece flange nuts (Figure 1) that contact the wheel disc face around the bolt hole. The wheels are located by the hub-to-wheel interface. The wheel studs and nuts are metric. The nuts are right and left-hand threaded on opposite sides of the coach. The stud mount dual wheels use an outer nut, which sandwiches both wheels together against the hub.

Wheels

NOTE: Wheels conform to The Tire and Rim Association specification SAE J694.

The wheel size on the E-Model is also different from previous MCI coaches. Due to the 16,000 lb. front axle rating, only 22.5 X 9.00 wide wheels are sufficiently rated to carry this load with 315/80R22.5 tires.

NOTE: This tire mounted on a 8.25 wide wheel is also insufficiently rated to carry this load.

Both steel and aluminum rims are 22.5 x 9.00". The aluminum wheels are polished and have 10 hand holes. The steel wheels are painted and have 5 hand holes.

CAUTION

Use only hub mount wheels and metric, two-piece flange nuts.

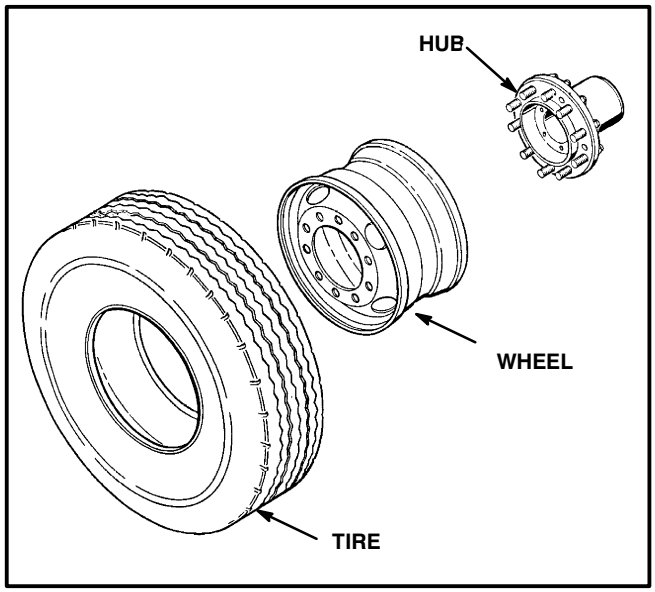

FIGURE 1

MAINTENANCE

WARNING

Never work under a unit supported only by a jack. Always support the coach with stands. Turn off the main battery disconnect switch. Block the wheels before releasing the park brake.

PERIODIC INSPECTION

1. Ensure that wheel stud nuts are properly torqued. See **Torque Chart**.

NOTE: Tighten wheel stud nuts every 100 miles (160 km) for the first 500 miles (800 km), and whenever new wheels have been installed.

2. Inspect all wheels for cracks, bent bead rims or other damage.

NOTE: A worn hub face could be caused by running with the wheels too loose. If the wear is not excessive, the entire hub face can be machined flat. Replace a badly worn hub. Replace any broken or cracked hubs.

CAUTION

Painting wheels can affect the torque retention of the wheel mounting nuts. Paint thickness and hardness can affect the torque retention of the nuts. 3.0 mil is the maximum thickness allowed.

Wheel mounting nuts lose torque very quickly on freshly-painted wheels. Allow paint to cure before putting the wheels into service. Baking will accelerate curing. Air drying requires approximately seven days.

An excessively thick coat of paint can cause a rapid loss of torque on the wheel nuts as the paint wears away. Remove any excessive paint from critical mounting surfaces.

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