

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001

**MAINTENANCE
INFORMATION**

Mi02-17A



DATE: September 2003	SECTION: 13 - Wheels, Hubs Tires
SUBJECT :	WHEEL MAINTENANCE

Revision : A

Torque value reduced

Dec 11, 2020

Important Notice: This modification is recommended by Prévost Car to increase your vehicle's performance. Note that no reimbursement will be awarded for carrying out this modification.

APPLICATION

Model	VIN
XL2 Vehicles Model Year : All	
H3 Vehicles Model Year : All	All vehicles.

DESCRIPTION

Wheel maintenance consists of periodic inspections. Check all parts for damage and make sure that wheel nuts are tightened to the proper torque. In the case of a new vehicle, or after a wheel installation, stud nuts should be tightened every 100 miles (160-km) for the first 500 miles (800-km) to allow setting in of clamping surfaces.

Wheel studs and nuts must be kept free from grease and oil. No lubricant whatsoever should be used. Cleanliness of the wheel and its rotor mating surfaces is important for proper wheel mounting.

However, for hub mounted wheels, it is recommended to add some rust protection lubricant on the pilot diameter of the hub (to facilitate future removal).

PROCEDURE

Warning: Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

Wheel surfaces in contact with hubs, nuts or other wheels should be kept free of all rust, grease and paint (except for initial "E" coat protection, applied to stop rusting and to facilitate wheel removal). The reason

for this is to assure that all faces are clamped together without buildup of any coating. The threads of the wheel studs and the wheel nuts should be clean and undamaged.

Note: *When painting wheels, make sure to mask all surfaces identified above.*

Using a calibrated torque wrench, tighten wheel nuts to **450 - 500 ft-lbs (610 - 678 Nm)** torque. Do not use power tools or long bars for tightening. Tighten wheel nuts alternately as shown in figure 1.

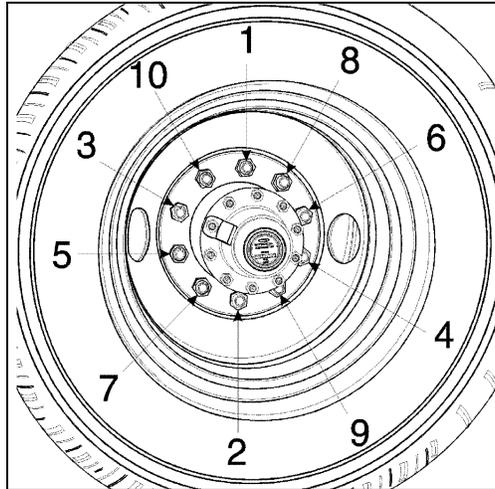


FIGURE 1: TIGHTENING SEQUENCE

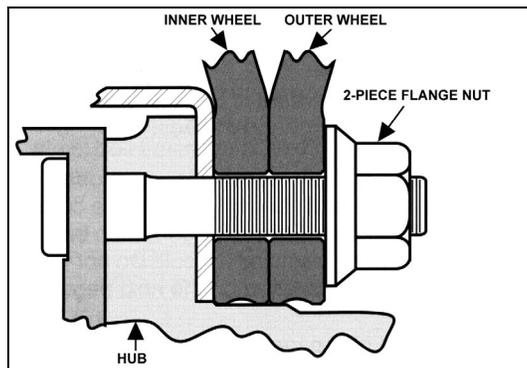


FIGURE 2: HUB-MOUNTED WHEELS

Note: *Tightening should not be done immediately after prolonged braking or when wheel ends are hot.*

Check wheel nut torque at every 100 miles (160 km) for 500 miles (800 km) after fitting wheels. Let cool before checking. If any relaxation of the initial **450 - 500 ft-lbs (610 - 678 Nm)** torque has occurred, retighten. Relaxation of initial torque may occur because of the “bedding down” of the hub and wheel surfaces.

Note: *Torque relaxation occurs when wheel ends are hot but should revert to original setting when cool. Retightening when hot will produce a higher torque reading than recommended.*

Care of wheels

Check for cracks in wheels, especially around the fixing holes, studs, nuts and washers. If in doubt, renew.

Do not simply retighten very loose wheel fixings or wheels that are continually becoming loose. Find out why they are loose and whether any damage has been caused.

Use trained personnel and keep records of all attention to wheels and fixings, including which parts were renewed and when.

Waste disposal:

Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)