



Product Support Bulletin

Subject:	Recommended Wheel & Tire Service Maintenance
Product:	MQ Power Equipment Trailers
Model(s):	All
Serial #:	All
Bulletin:	7-2000-5
Issue Date:	07/05/00
Revised Date:	
Issued By:	Brian Kight
Approved By:	Jim Rose

Recommended Wheel & Tire Service Maintenance MQ Power Equipment Trailers

Tires and wheels are very important and critical components of the trailer running gear system. When servicing or replacing the trailer running gear it is important that the wheels, tires and axles are properly matched.

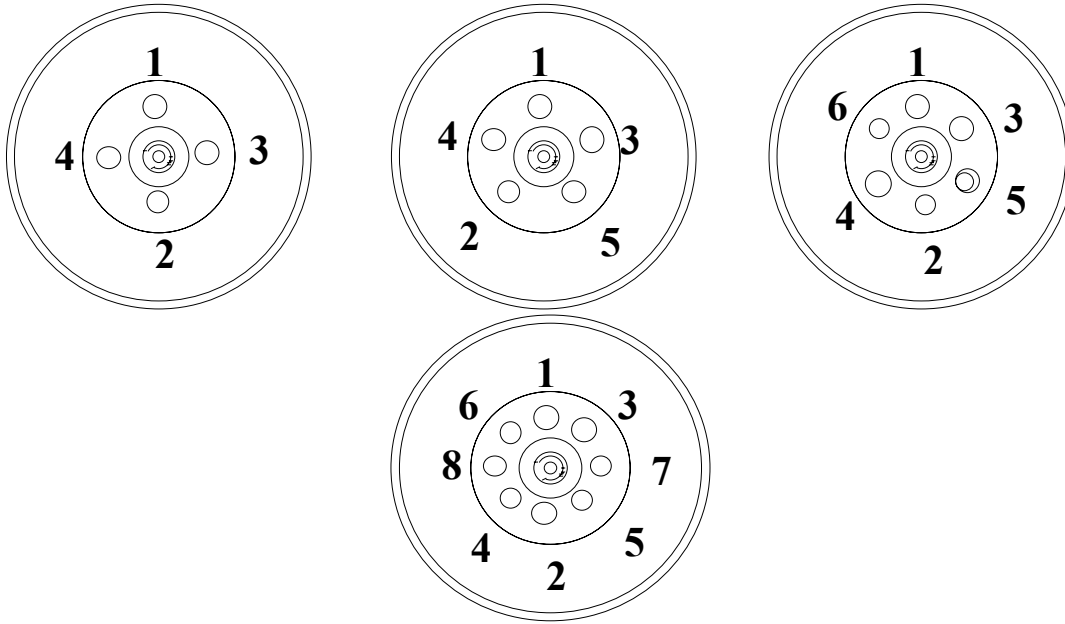
When replacement wheels and tires are considered, ensure the wheel bolt circle dimensions are proper for the axle hub. Make sure each have enough load carrying capacity and pressure rating to match the maximum load of the tire and trailer. Note: Care should be taken to match any replacement wheel with the same wheel offset and rim contour as originally equipped. Caution: Never attempt to repair or modify a wheel.

Tire inflation pressure is an important factor in tire life. Inflation pressure should be as recommended by the tire manufacturer for the load. Pressure should be checked cold before operation. Check inflation pressure weekly during use to insure maximum tire life and tread wear.

It is very important to apply and maintain proper wheel mounting torque on the trailer axle. Torque is a measure of the amount of tightening applied to a fastener (nut or bolt). Torque wrenches are the best method to assure the proper amount of torque is being applied to a fastener.

Wheel nuts or bolts must be applied and maintained at the proper torque levels to prevent loose wheels, broken studs and possible separation of wheels from the axle. Only use replacement fasteners, which are matched to the cone angle of the wheel.

The proper procedure for attaching trailer wheels is as follows:



1. Reference the appropriate wheel bolt pattern.
2. Start all nuts or bolts by hand to prevent cross threading.
3. Tighten nuts or bolts in sequence.
4. The tightening of the fasteners should be done in stages.

Following the recommended sequence, tighten fasteners per the wheel torque chart listed:

Wheel Size	1st Stage	2nd Stage	3rd Stage
12"	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
13"	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
14"	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
15"	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs
16"	20-25 ft/lbs	50-60 ft/lbs	90-120 ft/lbs

Wheel nuts or bolts should be torqued prior to initial road use and after each wheel removal. Check and re-torque after the first 10 miles, 25 miles, and every 50 miles for the first 200 miles. Check periodically thereafter.