



Wheel Lug Nuts Loosen

Product: Reelmaster 5010 Series

May 25, 2007

Affected Units:

Reelmaster 5210

Reelmaster 5410

Reelmaster 5510

Reelmaster 5610

Models:

03660

03670

03680

03690

Serial Numbers:

260000101 - 270000551

260000101 - 270000716

260000101 - 270000729

260000101 - 270000632

Situation:

As with all wheels, there is a retorque required to ensure the Lug Nuts remain torqued to specification. The time between retorque intervals is influenced by wheel design, stud size, thread pitch and loading during use. The Recommended Maintenance Schedule listed in the Operator's Manual lists a retorque at 1 hour and 10 hours. This recommendation refers to operating time not hour meter reading. **Note:** The hour meter tracks time with the *Key-On* and does not necessarily reflect operational time.

The torque recommendation is 70 to 90 ft-lbs (94 to 122 N-m). The use of a torque wrench is mandatory. Tightening with air tools or any tool other than a torque wrench will not provide consistent clamp load and does not satisfy the recommendation.

On the units within the serial number listed, there is a likelihood one or more of the Wheel Studs were not completely seated after being pressed into the Wheel Hubs. As the Wheel Studs seat during use, the Lug Nuts lose clamp load. When the Wheel Studs are seated, the clamp load is maintained. If the torque recommendations are not followed, the Lug Nuts will loosen due to reduced clamp load, and damage can occur from operating in a loosened state.

Correction:

Lug Nuts coming loose would indicate that either the Lug Studs were not seated, the torque recommendation is not being followed, or both. In either case we recommend that the lug nuts be torqued daily until the Lug Nuts hold their torque. This should only take a few days' time, then abide by the recommendations in the operator's manual.

This information applies to the units within the serial number range listed; production was changed to address Wheel Stud seating. Refer to and abide by the recommendations in your Operator's Manual for all other instances.

Units that require retorque beyond a few days could be an indication of damaged components. Should the situation continue beyond a few days contact your Local Authorized Toro Distributor. Your Local Authorized Toro Distributor can be found by following this link
<http://www.toro.com/locator/index.html> .