



RYKER Mandatory Certification Form - 140046

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Version 1

Language English

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Article Detail

Problem:

The front wheel installation is a critical operation and must be performed as explained in the PDI bulletin. **The front wheel nuts need to be torqued @300Nm**, refer to [ROADSTER 2019-3 On-Road Ryker - Importance of Wheel Installation Procedures](#)

Failure to follow the installation instructions may result in significant damages. Inaccurate torque value to wheel nuts may lead to vibration and damage to the wheel components. Incorrect installation of the RED locking clip could lead to wheel loss.

Solution:

Use the updated version of the Pre-Delivery Check List available in the knowledge center [RYKER 2019-2022 Predelivery Check List \(All\)](#) same as the PDF version attached below. The revised version includes the mandatory Certification form of the Front Wheels Installation and has to be signed by the technician & the Master tech or Service manager. Also, the customer has to sign this form to certify that he receives a copy of this document from the dealer. This new mandatory form has been implemented in the MY21 PDI bulletin.

Do not use the old Pre-Delivery Check List version shipped with the Ryker units

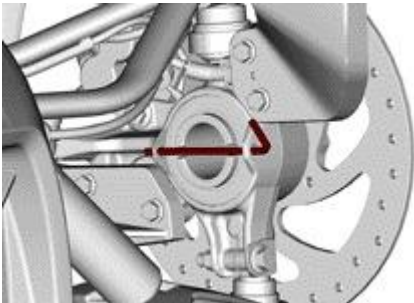
Inspection Procedure:



WARNING

It is mandatory to follow the next steps very carefully as those can result in the lost of a wheel if not properly done.

1. Lock the wheel hub with a locking device (such as a long Allen key or a tempered steel rod).

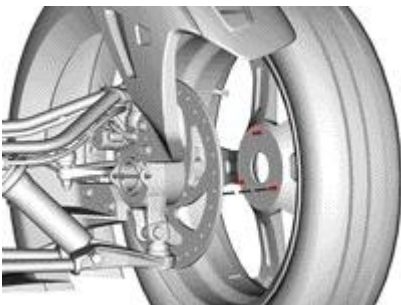


2. Install front wheels.

- 2.1 Align the dowel pins of the rim with the brake disk holes.

NOTICE All contact surfaces of the wheel, wheel hub, brake disc and the thread in the wheel hub must be free of abrasion, sand, dust or chips.

Do not use fluids of any kind to wash the surfaces, use only dry soft cloth.



- 2.2 Install the conical washers and the center lock wheel nuts. Hand tighten.



WARNING

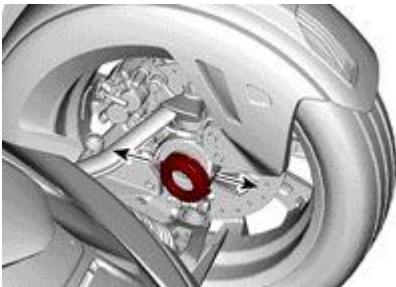
Ensure to install the Counter clockwise center lock wheel nut on RH side and the Clockwise center lock wheel nut on LH

side.

NOTICE The front right wheel nut has left-hand threads. You must turn the nut counterclockwise to tighten it. Always refer to the decal on the nut.



3. Install the inner hub cap by first inserting one locating pin, then insert the second one by pressing lightly on its tab. Ensure both pins are secured in place.



4. Put the vehicle on the ground.

5. Tighten the center lock wheel nuts to specification.

NOTICE Never use impact tools to tighten wheel nuts.

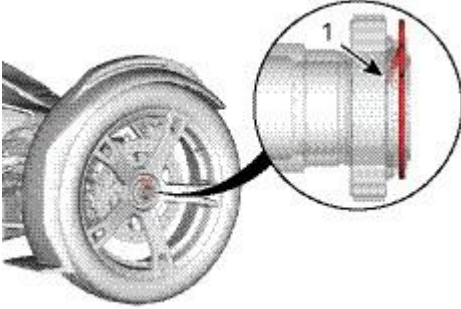
REQUIRED TOOL	
65MM SOCKET (P/N 529 036 457)	
TIGHTENING TORQUE	
Center lock wheel nut	300 ± 15 N•m (221 ± 11 lbf•ft)

Tighten the nut to the nominal value, then tighten further to align the hole.

NOTICE Never untighten the nut to align the RED locking clip hole.

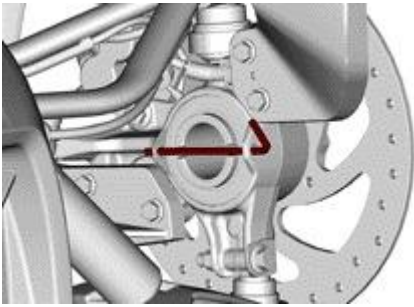
WARNING

Failure to install the RED locking clip may cause the loss of a wheel if the center lock wheel nut becomes loose.



1. *Folded end pointing inside the drive axle*

5. Remove the locking device from the wheel hub.



Warranty:

N/A

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[RYKER Predelivery Check List.pdf](#)