

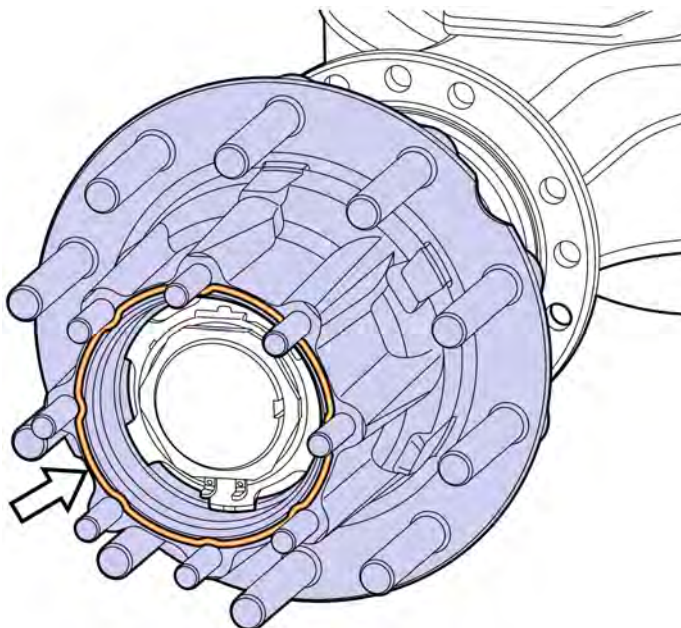
Drive Axle Flange to Hub RTV Gasket, Installation CHU, CXU, GU

FSB 773-001, Drive Axle Flange to Hub RTV Gasket, Installation

(October 2016)

Certain MACK trucks built after 09/30/2016 may use one of 3 types of gaskets on the MACK drive axles. The truck could be built with a rubber o-ring, a flat paper gasket, or Room Temperature Vulcanizing (RTV) gasket material use to seal the mating surfaces of the hub and drive axle flange. This document contains only information for the additional work needed during a Pre-Delivery Inspection (PDI) on a vehicle built with RTV used on the drive axle flange gasket. When a MACK truck is delivered as a "Decked Unit" from Macungie, the drive axles are removed for transport and a temporary cover is bolted to the hub to prevent axle lubrication from leaking during transport. Upon delivery, the drive away company driver reinstalls the drives axles with new gaskets (O-ring or paper gasket only) and hand torques all mounting fasteners. For MACK trucks delivered with RTV, the delivery driver will reinstall the axles and hand tighten fasteners without cleaning or installing new RTV gasket material. Follow the steps in this document to identify and repair MACK trucks delivered with RTV gasket during the PDI.

Note: This bulletin does not apply to MACK Trucks Australia.



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Gasket Material

Gasket Material			
Item #	Description	Part Number	Qty
1	Ultra Black RTV Silicone Gasket Maker	N/A	1

Decommissioning the Truck for Repair

You must read and understand the precautions and guidelines in Service Information, group 70, "General Safety Practices, Frame, Springs, Shocks & Wheels" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

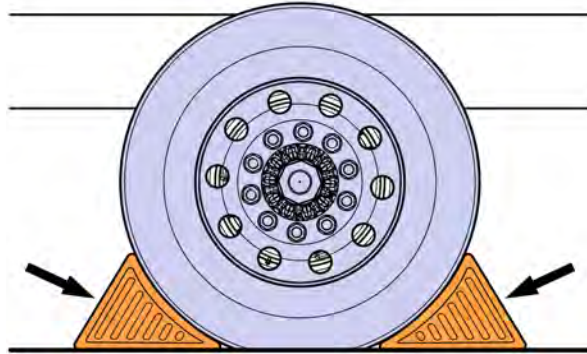
NOTE: Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.



DANGER

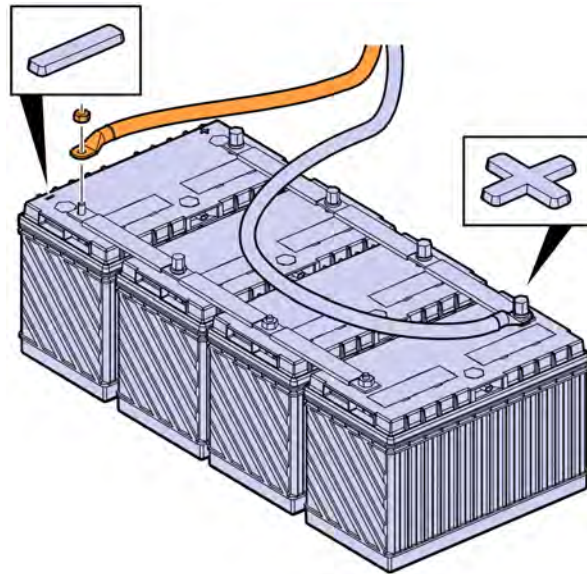
Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

- 1 Park the vehicle on a level surface.
- 2 Apply the parking brake.
- 3 Place the transmission in neutral or park.
- 4 Install the wheel chocks on the rear wheels.



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- 5 Disconnect the cable from the battery's negative terminal.



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Drive Axle Flange to Hub RTV Gasket, Installation

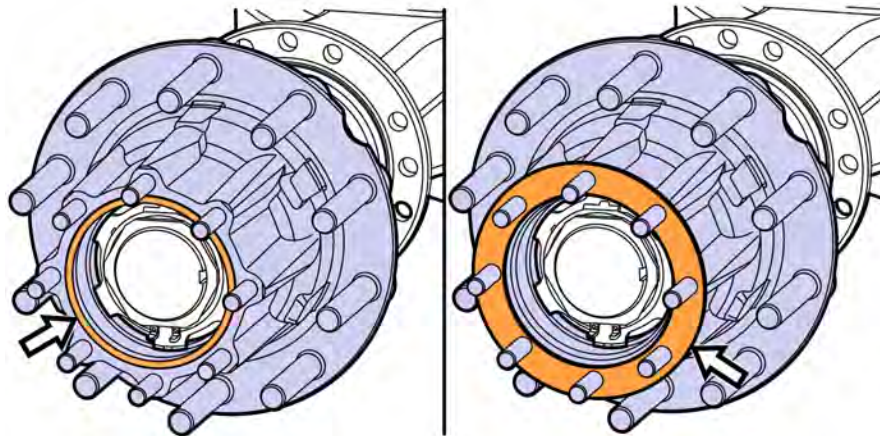
- 1 During PDI, Identify whether or not the truck has an RTV gasket by looking for the green colored tag with **RTV** written on it attached to the keys as shown in the figure below.

Note: If the green colored tag with **(RTV)** written on it is attached to the keys, additional steps are required to repair the truck axle shaft flange during PDI. Proceed to step 2 for installation of RTV gasket.



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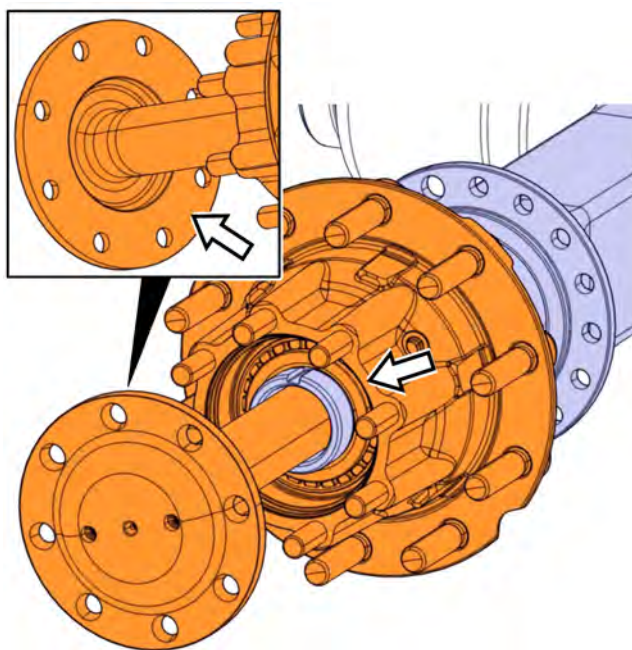
Note: If the truck was built with an o-ring or flat paper gasket on the truck axle shaft flange, the delivery driver will install new o-rings (part number 3199066) or flat paper gaskets (part number 3973009) when they reinstall the drive axles.



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- 2 Ensure the hub and axle shaft mating surfaces are dry, free of debris, burrs, and score lines.

Note: RTV will not adhere properly with any oil on the hub or axle flange surface. Ensure the mating surfaces are dry before applying a new bead of RTV gasket material.

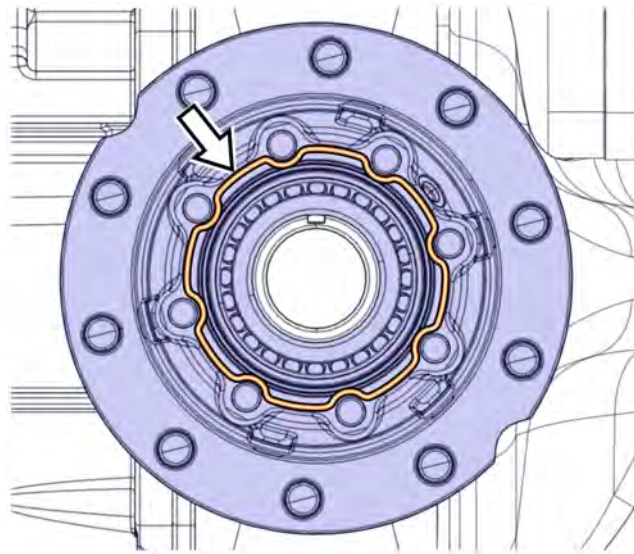


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- 3 Apply a continuous 5 mm (0.19 in) bead of Ultra Black RTV Silicone Gasket Maker to the hub as shown in the figure below.



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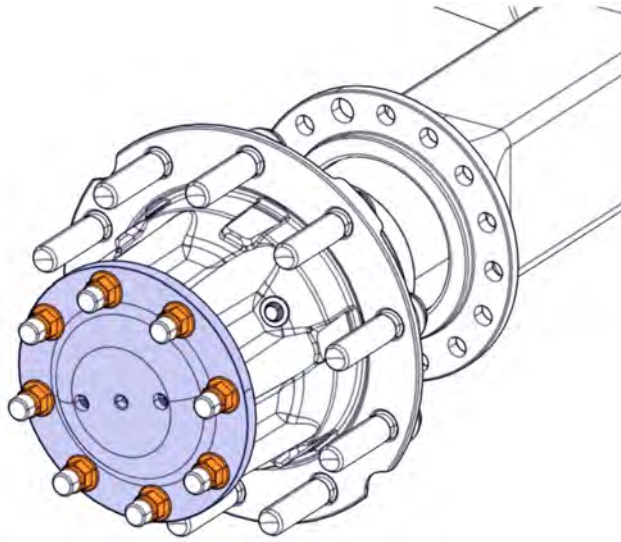
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- 4 Immediately install axle shaft onto hub mounting surface to avoid premature curing of the RTV gasket material.

Note: The axle shaft installation may require the need to push down on the axle shaft while rotating clockwise and counterclockwise to seat into the axle housing.

Note: Never attempt to engage the axle shaft into the axle housing by running down the axle shaft flange nuts.

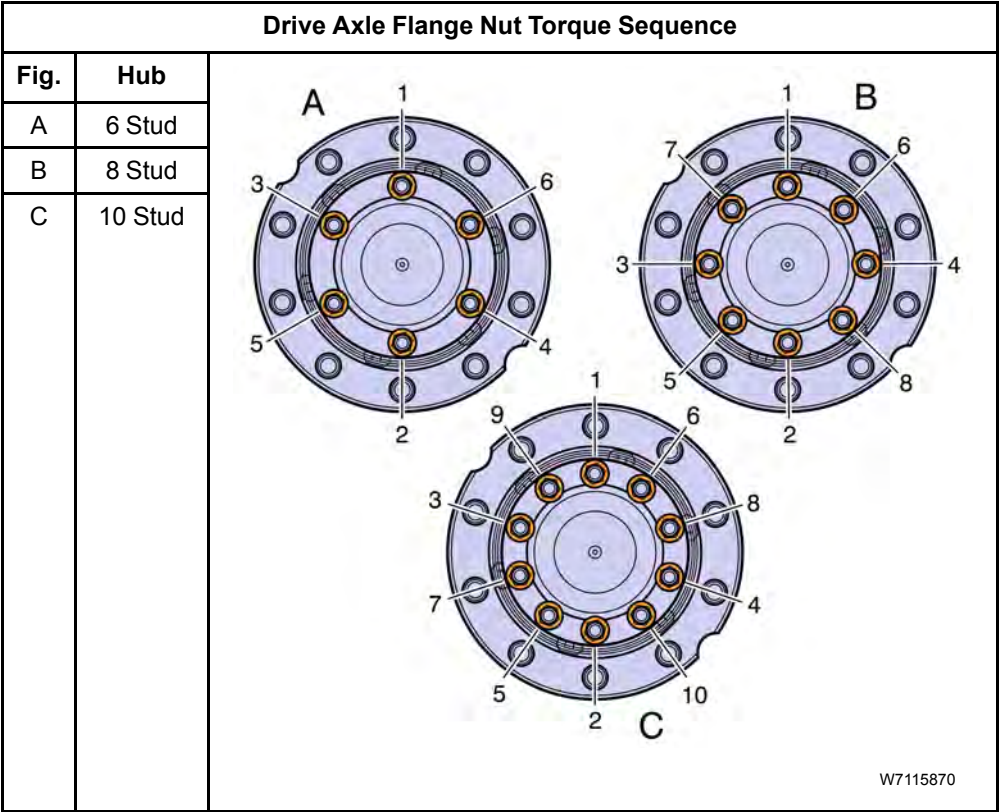
- 5 Install the tapered cones, washers, and lock nuts onto hub studs.



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- 6 If applicable, ensure differential is filled to the proper fluid level.

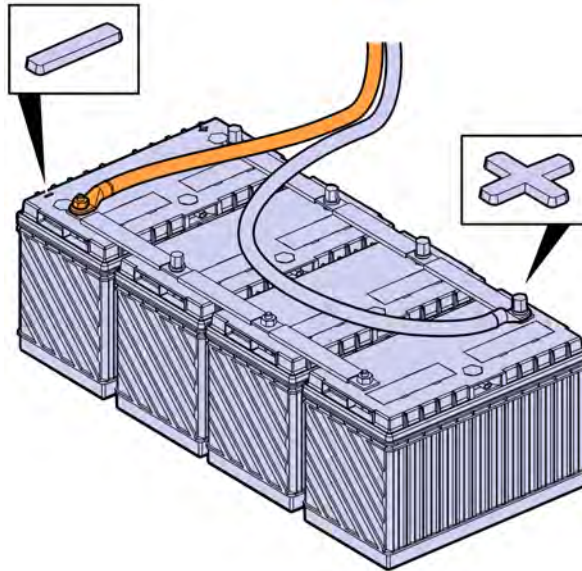
- 7 Tighten the axle shaft flange lock nuts to 136 ± 20 Nm (100 ± 15 ft-lb) and in the sequence shown in the figure below.



- 8 Ensure all residual oil is cleaned from wheel and all other surfaces after repair.

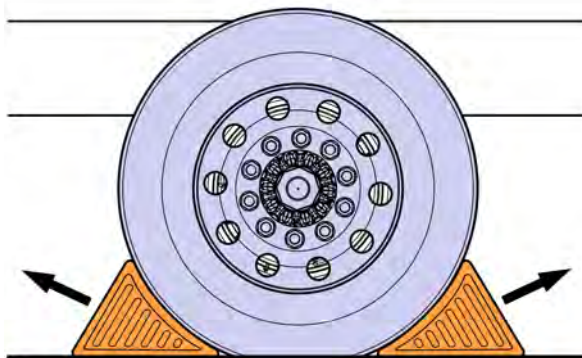
Commissioning the Truck for Operation

- 1 Connect the cable to the battery's negative terminal.



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- 2 Remove the wheel chocks from the rear wheels.



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Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01
Labor Code	
Primary Labor Code (Drive Axle Flange to Hub RTV Gasket, Installation)	7731-03-09-01 0.4 hrs. (Per Wheel End)
Causal Part	3973009

MACK Trucks North America reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.