



## Mack MMD Alternator Pulley

**Service Category** Service Department

**Section** Function Group 321

**Technician Skill Level** C

**Market** North America

**Applicability**

**Mack**

Model Years	Models
2020 - 2022	MD6, MD7

**Introduction**

Mack Trucks has determined that certain Medium Duty Trucks may have an incorrect Alternator Pulley. On affected vehicles the alternator pulley has the incorrect groove pitch which may cause premature belt wear and in some instances the belt can slip off. To correct this issue the alternator pulley will need to be replaced with an updated part and a new alternator belt installed.

**Production Change Information**

This bulletin applies to vehicles built within the specified production changes below.

Brand	Engine	Emission Level	Starting Build Date	Ending Build Date
Mack	ISB 6.7	EM-USA17 & EM-USA21	18-November-2019	17-August-2021

**Warranty Information**

<b>This repair may be eligible for reimbursement if a product failure was experienced with in time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.</b>		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		<b>B</b>
<b>Main Labor Code</b>	<b>Description</b>	<b>Hours</b>
1720-16-09-01	Campaign, General X5	<b>0.5</b>
<b>Causal Part</b>	78569986	
<b>SCC Authorization Code</b>	<b>S7627</b>	
<b>Expiration Date</b>	<b>Updated- August 28, 2023</b>	

## Parts Information

Part Numbers	Part Names	Quantity
78635625	Alternator Pulley	1
23749479 or Equivalent	Alternator Belt	1

## Required Tools & Equipment

- Properly calibrated torque wrench or torque equipment
- 5/16 Allen socket
- 15/16 crows foot wrench
- 1/2 drive ratchet

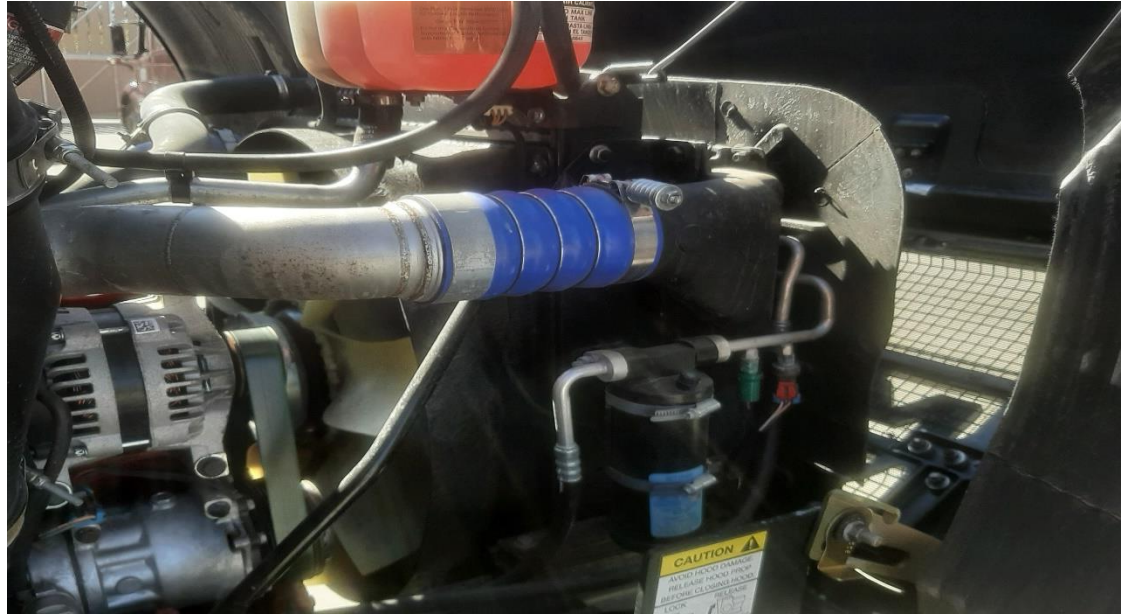
## Calibration Information

N/A

## Repair Procedure

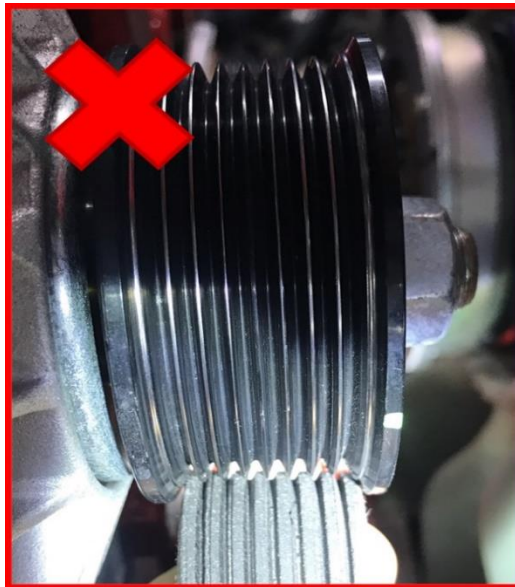
1. Secure vehicle for service.
2. Raise hood.

3. It may be necessary to remove the Charge Air Cooler Pipe to gain access.



4. Loosen belt and remove from alternator pulley.

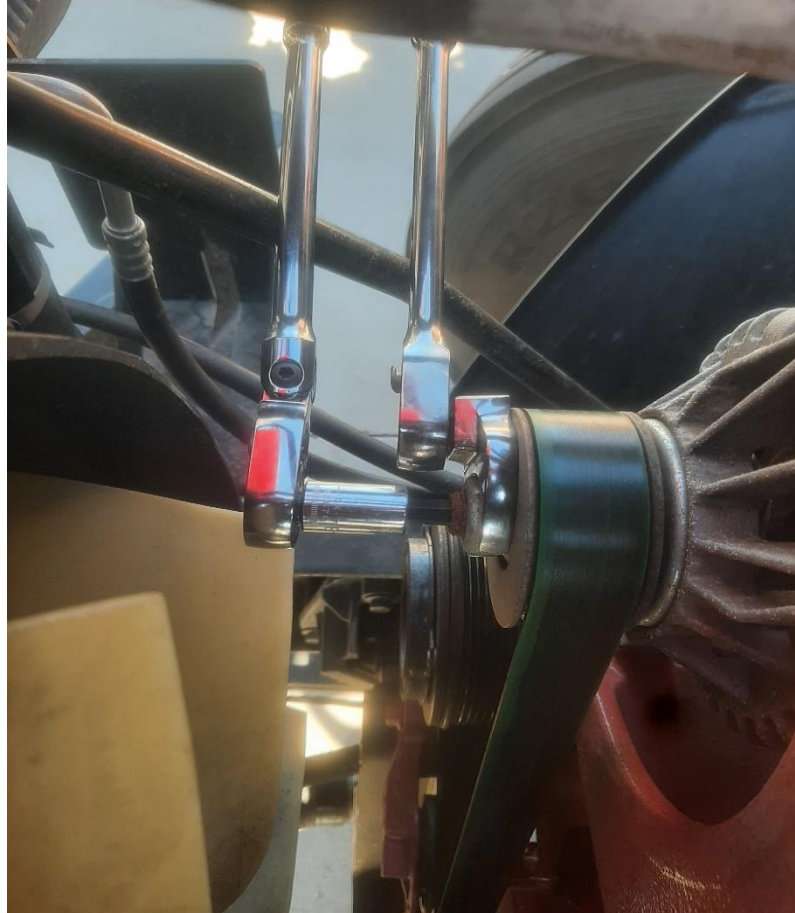
Incorrect



Correct

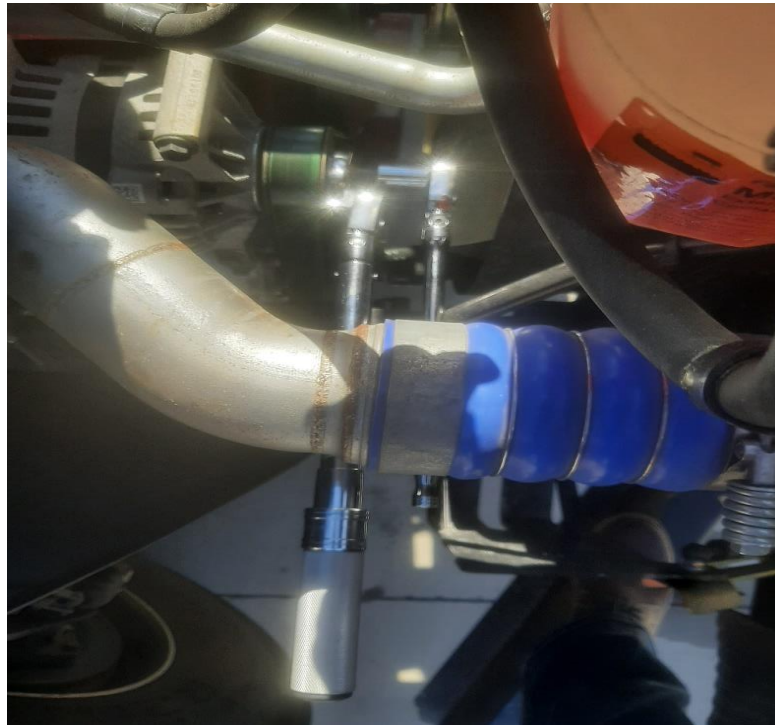


5. Use a 5/16 Allen socket and a 15/16 crows foot wrench to loosen the alternator nut.

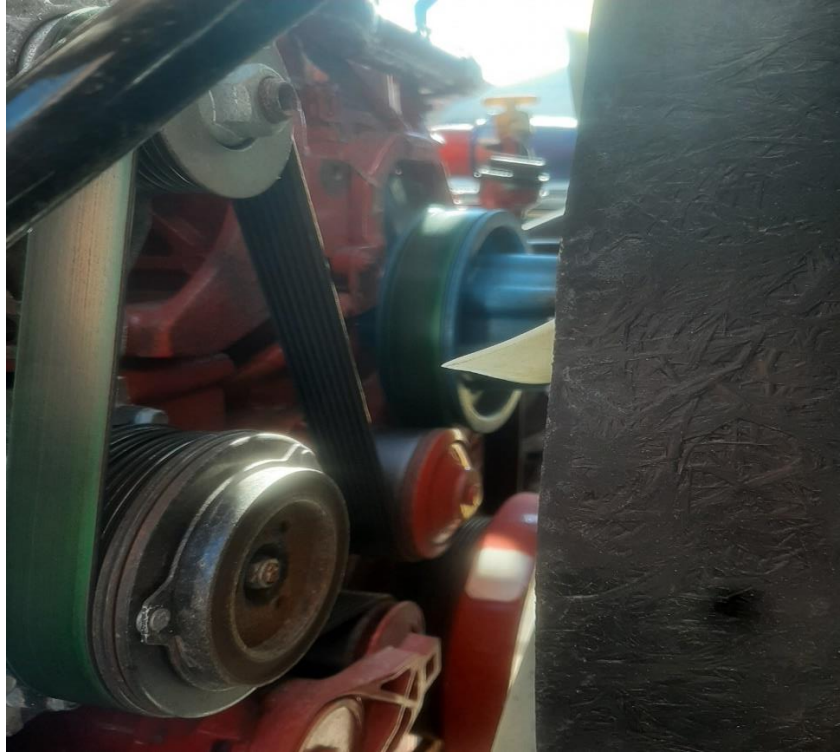


6. Remove alternator pulley and install new pulley part# **78635625**.
7. Install pulley retaining nut and hand tighten and ensure the pulley is fully seated.

8. Hold alternator shaft with a 5/16 Allen socket and with the 15/16 crows foot wrench and torque wrench, tighten the nut to a final torque of **95-108 Nm (70-80 lbf-ft)**



9. Install a new belt part# **23749479** or equivalent.



10. Run engine and ensure alternator is charging and belt runs true.

11. Close the hood and release truck.