OMB Control No.: 2127-0004

Part 573 Safety Recall Report

21V-256

Manufacturer Name: Daimler Trucks North America, LLC

Submission Date: JUN 15, 2021 NHTSA Recall No.: 21V-256 Manufacturer Recall No.: FL-884



Manufacturer Information:

Manufacturer Name: Daimler Trucks North America, LLC

Address: 4747 N. Channel Avenue

Portland OR 97217-3849

Company phone: 800-745-8000

Population:

Number of potentially involved: 17,822 Estimated percentage with defect: 2 %

Vehicle Information:

Vehicle 1: 2021-2022 Freightliner Cascadia

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering

arm bolts (N308676020025).

Production Dates: JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 2: 2021-2022 Freightliner 114SD

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering

arm bolts (N308676020025).

Production Dates: JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 3: 2021-2022 Freightliner 108SD

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering

arm bolts (N308676020025).

Production Dates: JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 4 : Vehicle Type : Body Style :	2021-2022 Frei	ghtliner 122SD				
Power Train :	NR					
Descriptive Information :	Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).					
Production Dates :	JAN 12, 2021 - A	APR 06, 2021				
VIN Range 1:	Begin:	NR	End:	NR	■ Not sequential	
	3					
Vehicle 5:	2021-2022 Frei	ghtliner Busine	ss Class	M2		
Vehicle Type :						
Body Style :						
Power Train :	NR					
Descriptive Information :	Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).					
Production Dates :	JAN 12, 2021 - A	APR 06, 2021				
VIN Range 1:	Begin:	NR	End:	NR	■ Not sequential	
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Vehicle 6:	2021-2022 Wes	stern Star 4700				
Vehicle Type :						
J I						
Body Style :						
V 2						
Body Style : Power Train :	NR		ect tie r	od arm bolts (N30867602	0022) and steering	
Body Style : Power Train :	NR Vehicles built w arm bolts (N308	8676020025).	ect tie r	od arm bolts (N30867602	0022) and steering	
Body Style : Power Train : Descriptive Information :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A	8676020025).	ect tie r End :		0022) and steering ☐ Not sequential	
Body Style : Power Train : Descriptive Information : Production Dates :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A	8676020025). APR 06, 2021				
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A	8676020025). APR 06, 2021 NR				
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A Begin :	8676020025). APR 06, 2021 NR				
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A Begin: 2021-2022 Wes	8676020025). APR 06, 2021 NR				
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 : Vehicle Type :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A Begin: 2021-2022 Wes	8676020025). APR 06, 2021 NR				
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 : Vehicle Type : Body Style : Power Train :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A Begin: 2021-2022 Wes	8676020025). APR 06, 2021 NR stern Star 4900	End:		☐ Not sequential	
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 : Vehicle Type : Body Style : Power Train :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A Begin: 2021-2022 Wes NR Vehicles built w arm bolts (N308	8676020025). APR 06, 2021 NR Stern Star 4900 with certain susp 8676020025).	End:	NR	☐ Not sequential	
Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 : Vehicle Type : Body Style : Power Train : Descriptive Information :	NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A Begin: 2021-2022 Wes NR Vehicles built w arm bolts (N308 JAN 12, 2021 - A	8676020025). APR 06, 2021 NR Stern Star 4900 with certain susp 8676020025).	End:	NR rod arm bolts (N30867602	☐ Not sequential	

Vehicle 8:	2021-2022 Wes	stern Star 5700				
Vehicle Type :						
Body Style :						
Power Train :	NR					
Descriptive Information :	Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).					
Production Dates :	JAN 12, 2021 - A	APR 06, 2021				
VIN Range 1:	Begin:	NR	End: NR	☐ Not sequential		
Vehicle 9:	2021-2022 Fre	ghtliner Custon	n Chass S2 Chassis			
Vehicle Type :						
Body Style :						
Power Train :	NR					
Descriptive Information :	Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering arm bolts (N308676020025).					
Production Dates :	JAN 12, 2021 - A	APR 06, 2021				
VIN Range 1:	Begin:	NR	End: NR	■ Not sequential		
W 11 1 40	0001 0000 F		Cl VD Cl ·			
		ightliner Custon	n Chass XB Chassis			
Vehicle Type :						
Body Style :						
v v						
Power Train :	NR	٠		20022)		
Power Train :	NR	-	ect tie rod arm bolts (N3086760)	20022) and steering		
Power Train :	NR Vehicles built w arm bolts (N30	8676020025).	ect tie rod arm bolts (N3086760	20022) and steering		
Power Train : Descriptive Information :	NR Vehicles built w arm bolts (N30 JAN 12, 2021 - A	8676020025).	ect tie rod arm bolts (N3086760) End: NR	20022) and steering		
Power Train : Descriptive Information : Production Dates : VIN Range 1 :	NR Vehicles built warm bolts (N300 JAN 12, 2021 - A Begin:	8676020025). APR 06, 2021 NR		J		
Power Train : Descriptive Information : Production Dates : VIN Range 1 :	NR Vehicles built warm bolts (N30) JAN 12, 2021 - A Begin: 2021-2022 Free	8676020025). APR 06, 2021 NR	End: NR	J		
Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 11 :	NR Vehicles built warm bolts (N30) JAN 12, 2021 - A Begin: 2021-2022 Frei	8676020025). APR 06, 2021 NR	End: NR	J		
Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 11 : Vehicle Type :	NR Vehicles built warm bolts (N30) JAN 12, 2021 - A Begin: 2021-2022 Free	8676020025). APR 06, 2021 NR	End: NR	J		
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Power Train: Descriptive Information: Production Dates: VIN Range 1: Vehicle 11: Vehicle Type: Body Style: Power Train:	NR Vehicles built warm bolts (N30) JAN 12, 2021 - A Begin: 2021-2022 Free NR Vehicles built warm bolts (N30)	8676020025). APR 06, 2021 NR ghtliner Custon with certain susp 8676020025).	End: NR n Chass XC Chassis	☐ Not sequential		
Power Train: Descriptive Information: Production Dates: VIN Range 1: Vehicle 11: Vehicle Type: Body Style: Power Train: Descriptive Information:	NR Vehicles built warm bolts (N30) JAN 12, 2021 - A Begin: 2021-2022 Free NR Vehicles built warm bolts (N30) JAN 12, 2021 - A	8676020025). APR 06, 2021 NR ghtliner Custon with certain susp 8676020025).	End: NR n Chass XC Chassis	☐ Not sequential		

Vehicle 12: 2021-2022 Freightliner Custom Chass MT Chassis

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: Vehicles built with certain suspect tie rod arm bolts (N308676020022) and steering

arm bolts (N308676020025).

Production Dates: JAN 12, 2021 - APR 06, 2021

VIN Range 1 : Begin : NR End : NR Not sequential

Description of Defect:

Description of the Defect: Suspect bolts used to assemble Detroit front axle assemblies have a lengthwise

"seam" defect potentially leading to bolt failure.

FMVSS 1: NR FMVSS 2: NR

Description of the Safety Risk: Single bolt fracture may lead to decrease in steering response and both bolts

failing would lead to complete loss of steering/directional control of the

vehicle increasing the risk of a crash.

Description of the Cause: NR

Identification of Any Warning Decrease in steering response

that can Occur:

Involved Components:

Component Name 1: Steering Arm Bolt, Tie Rod Bolt

Component Description: NR

Component Part Number: N308676020025, N308676020022

Supplier Identification:

Component Manufacturer

Name: Cold Heading Company

Address: 21777 Hoover Rd

Warren 48089

Country: United States

Chronology:

Late February, 2021, despite having no warranty claims nor other indications of failures on customer vehicles, DTNA axle assembly plant reported tie rod bolt and steering arm bolt quality concerns and began containment. Quality alert was issued for axle assembly plant locations. Early March, 2021 DTNA defined suspect bolt lots and cleared inventory. Suspect bolts were sent to supplier for additional analysis. Late March, 2021, DTNA received initial metallurgical report for supplier showing potential for long term fatigue failure. Discussions with supplier ongoing. Early April 2021, even though DTNA is not aware of any field failures related to this concern, DTNA decided to conduct a voluntary safety recall while continuing to investigate the population.

Description of Remedy:

Description of Remedy Program : Tie rod arm bolts and steering arm bolts will be replaced. Repairs will be

performed by Daimler Trucks North America authorized service facilities. Details of the reimbursement plan will be included in the owner's

notification letter.

How Remedy Component Differs NR

from Recalled Component:

Identify How/When Recall Condition NR

was Corrected in Production:

Recall Schedule:

Description of Recall Schedule: Customer notification will be made by first class mail using Daimler

Trucks North America records to determine the customers affected.

Planned Dealer Notification Date: JUN 10, 2021 - JUN 10, 2021 Planned Owner Notification Date: JUN 10, 2021 - JUN 10, 2021

* NR - Not Reported