

<BULLETIN DRAFT>

No. 22PBB –

NHTSA 22V277 – TC 2022-210

22PBB – Dana Front Axle Steer Arm Fasteners

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8/12/2022

Title (metadata)	22PBB – Dana Front Axle Steer Arm Fasteners – NHTSA ID: 22V277, TC: 2022-210
Bulletin No.	22PBB – NHTSA 22V277 – TC 2022-210
Description	22PBB – Dana Front Axle Steer Arm Fasteners
Supplier	Dana
Section	Front Axle - 11
What's New Abstract	Safety Recall – The Dana D-Series front axle steer arm fasteners that attach the steer arm to the steering knuckle may fail. The operator could be unaware of an issue until both fasteners fail and result in loss of steering control, increasing the risk of a crash. Please see attached repair procedure and parts list.
Revision	
Introduction	On certain vehicles with the Dana D-Series front axle, the steer arm fasteners that attach the steer arm to the steering knuckle may fail. These rare cases are understood to have occurred during low-speed maneuvering when steering forces are highest. The operator could be unaware of an issue until both fasteners fail and result in loss of steering control, increasing the risk of a crash.
Situation (Chassis Affected)	PB--- 9,048 (8,681 US / 367 Canada) 330, 337, 348, 365, 367, 389, 520, 567, and 579 chassis model year 2018 through 2020 vehicles built from 08/01/2017 through 05/31/2019 with a Dana D-Series front axle.
Resolution	Safety Recall Service all affected chassis that enter your dealership, even if the customer has no issue with the chassis.

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	<ol style="list-style-type: none"> 1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list. 2. If you are not using Service Management to start repair orders, review SIR for “Complete” or “In Process” next to the “22PBB” campaign code prior to performing this repair. 3. Follow the procedure to remove and replace the steer arm fasteners. 																								
<p>Warranty Parts</p>	<p>There is no time or mileage limit for this recall. Peterbilt will pay for parts at dealer net plus applicable mark up and labor:</p> <ul style="list-style-type: none"> • 0.9 hours labor to remove and replace the front axle steering arm fasteners. Use Quick Claim Code 22PBBA. *Note: Please replace one bolt at a time to avoid separating the steering arm from the knuckle, (as detailed in the repair procedure). • If any bolt is found to be missing, broken, or damaged in any way, please STOP and call Dana Real Time Warranty at 877-777-5360, Option #3 • If it appears any other steering parts need to be replaced, (listed as “Optional” in the repair procedure), please STOP and call Dana Real Time Warranty at 877-777-5360, Option #3 • File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first. Please reference 22PBBA. <p>File the claim within 14 days in accordance with Warranty Policy.</p>																								
<p>Warranty Parts Background</p>	<p>Take-Off Parts Disposition: Destroy parts 30 days after the claim has been paid.</p> <table border="1" data-bbox="358 1339 1193 1850"> <thead> <tr> <th colspan="4">PRWS CLAIM CODING</th> </tr> </thead> <tbody> <tr> <td>Campaign Code:</td> <td>22PBB</td> <td>Campaign Type</td> <td>Safety Recall</td> </tr> <tr> <td>Claim Category:</td> <td>Truck</td> <td>Repair Type</td> <td>Proactive</td> </tr> <tr> <td>Customer Concern Code</td> <td>199</td> <td>Causal Code</td> <td>A1</td> </tr> <tr> <td>Corrective Action Code</td> <td>12</td> <td>Responsibility Code:</td> <td>Camp or Supplier</td> </tr> <tr> <td>Failure Location</td> <td>011-001-004</td> <td>Causal Part</td> <td>10000180</td> </tr> </tbody> </table>	PRWS CLAIM CODING				Campaign Code:	22PBB	Campaign Type	Safety Recall	Claim Category:	Truck	Repair Type	Proactive	Customer Concern Code	199	Causal Code	A1	Corrective Action Code	12	Responsibility Code:	Camp or Supplier	Failure Location	011-001-004	Causal Part	10000180
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	<table border="1"> <tr> <td>Supplier Code</td> <td>Dana 05679AB</td> <td>SRT Code</td> <td>B22-PBB 0.9 hrs – replace steering arm fasteners</td> </tr> <tr> <td>Display in SIR</td> <td>Always Visible</td> <td>Editable by dealer?</td> <td>No</td> </tr> <tr> <td>KW AutoPay</td> <td>Choose an item.</td> <td>PB AutoPay</td> <td>No</td> </tr> </table>	Supplier Code	Dana 05679AB	SRT Code	B22-PBB 0.9 hrs – replace steering arm fasteners	Display in SIR	Always Visible	Editable by dealer?	No	KW AutoPay	Choose an item.	PB AutoPay	No						
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Procedure	<p>Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained.</p> <p>See the attached Procedure.</p>																		
Links	<p>Chassis List Procedure U.S. Customer Letter Canada Customer Letter (English) Canada Customer Letter (French)</p>																		
Channels	<p>KWUS <input type="checkbox"/> KWCA <input type="checkbox"/> KWGS <input type="checkbox"/> PBUS <input checked="" type="checkbox"/> PBCA <input checked="" type="checkbox"/> Same bulletin published to KW & PB regions? No</p>																		
Publish On	<p>Click or tap to enter a date.</p>																		

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STANDARD REPAIR TIME PROCESS DOCUMENTATION

SRT	SRT TIME	ACTUAL TIME	TIME STUDY DATE	MODEL
N/A	.9	51:37	06/15/22	389

RE-INSTALL IN REVERSE ORDER

DANA STEERING ARM BOLTS REMOVE AND REPLACE



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STANDARD REPAIR TIME PROCESS DOCUMENTATION

DANA STEERING ARM BOLTS REMOVE AND REPLACE

Tools:



3/4 torque wrench

Snap ring pliers

1/4 inch wratchet

3/8 impact

Small flat tip screw-
driver

8mm Allen socket

Rubber hammer

10mm wrench

Steel hammer

30mm socket

3/4 impact

2 inch socket

Heelbar

1 3/16 socket

Diagonal cutters

1 5/16 socket

Pliers

Equipment:

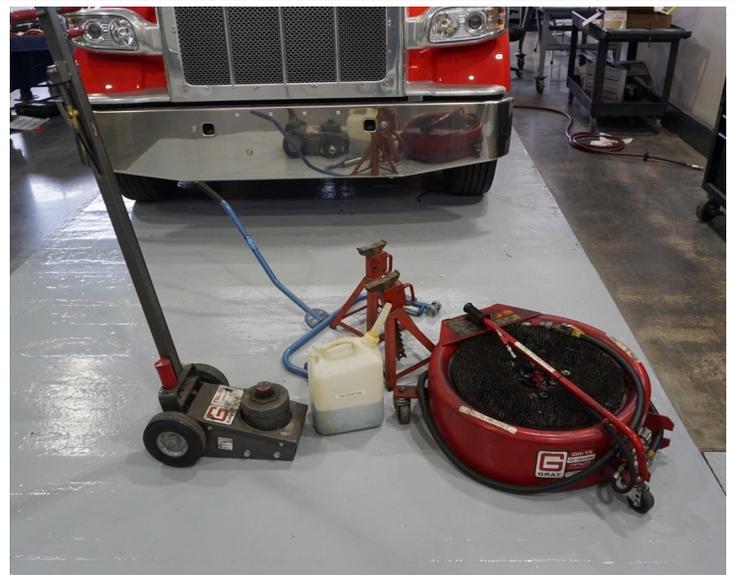
Floor jack

Drain pan

Jack stands

75W 90W oil

Wheel dolly





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STANDARD REPAIR TIME PROCESS DOCUMENTATION

DANA STEERING ARM BOLTS REMOVE AND REPLACE

Step 1: Lift axle onto jack stands



Step 2: R&R tire.



Step 3: R&R brake pads.





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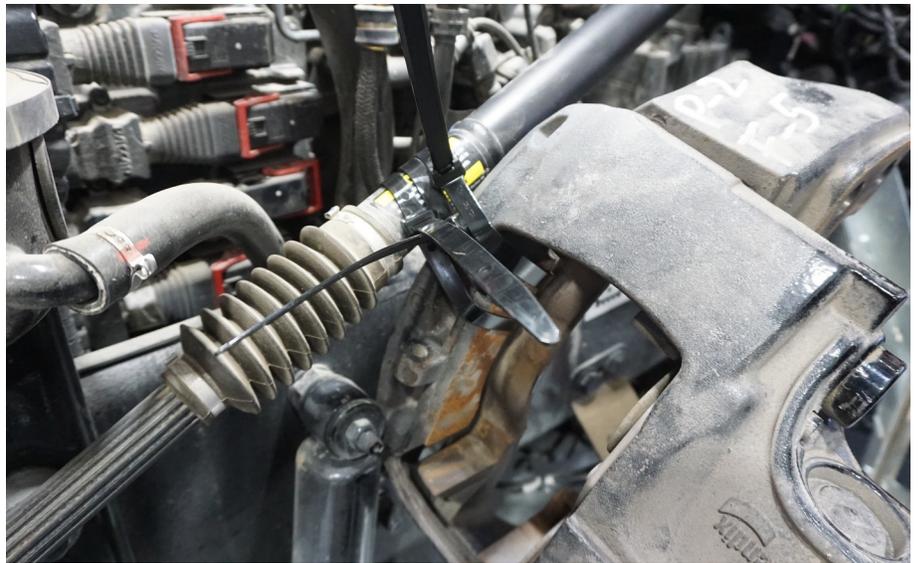
STANDARD REPAIR TIME PROCESS DOCUMENTATION

DANA STEERING ARM BOLTS REMOVE AND REPLACE

Step 4: R&R speed sensor cable zip ties and clips and move away from rotor assembly.



Step 5: R&R brake caliper carrier mounting bolts and support. (6 bolts)



Step 6: Drain oil from hub. (1 8mm Allen plug)

Note* Use new hub oil





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STANDARD REPAIR TIME PROCESS DOCUMENTATION

DANA STEERING ARM BOLTS REMOVE AND REPLACE

Step 7: R&R Hub oil cover. (6 13mm bolts)

Note* Use new hub cap seal.



Step 8: R&R snap ring from hub assembly.



Step 9: R&R nut from hub assembly. (2 inch nut) Remove hub assembly.

Note* Hub nut torque will depend on the hub manufacturer.





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Step 10: R&R wheel seal.

Note* use new wheel seal.



Step 11: R&R both 20mm bolts one at a time to avoid separating the arm from the knuckle.

Torque: 650Nm—675Nm (480—498 lbs ft).



Step 12: Clean spindle for reinstallation.

Note* Do not use Loctite, any other thread locking compound or when installing. Threads must be free of oil, grease, and/or other contaminants prior to assembly.





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STANDARD REPAIR TIME PROCESS DOCUMENTATION

DANA STEERING ARM BOLTS REMOVE AND REPLACE

Notes:

Any optional or extra parts that need to be replaced will need to run through the Dana pre-call checklist and the Dana Real Time Warranty number (Option #3) included in the repair procedure.

If a bolt is found to be missing, broken, or damaged, we recommend Dana real-time involvement to examine if additional parts are needed. (877-777-5360 Option #3)

Do not use Loctite, any other thread locking compound or lube when installing. Threads must be free of oil, grease, and/or other contaminants prior to assembly.