



Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas	2018-2019	All	All	CA_JC000001	CA_KC519448

Condition

40 18 01 December 18, 2018 **2053205/1**

Front Suspension Strut Noise

Customer states there is a noise from the front suspension while driving at slow speeds over bumps.

Technical Background

Original dust boot design is too long, causing contact with the bump stop and creating a noise.

Production Solution

Improved shorter dust boot, implemented with VIN: CA_KC519449.

Service

Diagnostic Procedure:

1. Watch both attached videos (“howtoproducenoise” and “checkdustbootbellowmovement”).

 **Note:**

The dust boots (bellows) should move/rotate freely similar to the movement found in the video.

2. If the noise is duplicated like in the video, check the dust boots (bellows) for movement.

3. If the dust boots (bellows) make noise or do **NOT** move and rotate freely like in the video, replace both dust boots (bellows).

 **Note:**

The wheel bearing must not be under load when the drive axle threaded connection on the wheel side is loose.

If the wheel bearings are under the load of the vehicle weight, the wheel bearing will be damaged. This reduces the service life of the wheel bearings.



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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
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Atlas	2018-2019	All	All	CA_JC000001	CA_KC519448
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)		
4091	0020	--	Use applicable when indicated in Elsa (L/R)		
Parts Manufacturer	Atlas			WVO ²⁾	
Labor Operation ³⁾: Remove and Install Front Wheels		44052000 = 30 TU			
Labor Operation ³⁾: Remove and Install Front Struts		40852050 = 150 TU			
Labor Operation ³⁾: Remove and Install Dust Boot (Bellow)		40912050 = 60 TU			
Causal Part: Dust Boot (Bellow)		3QF413175			
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = Actual GFF print out			NO	
Road Test	01210002 = 10 TU 01210004 = 10 TU			YES	
Technical Diagnosis	01320000 = 30 TU max.			YES	
Claim Comment: Input "As per Technical Bulletin 2053205" in comment section of Warranty Claim.					
¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only					



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- 2) Code per warranty vendor code policy.
- 3) Labor Time Units (TUs) are subject to change with ELSA updates.
- 4) Documentation required per Warranty Policies and Procedures Manual.

Required Parts and Tools

Tool Description	Tool No:
Spreader Tool	-3424-
Torque Wrench 1332 40-200Nm	-VAG1332-
Engine and Gearbox Jack	-VAS6931-
Drive Shaft Remover	-T10520-
Socket AF 24 mm	-T10361A-
Digital Torque Wrench	-VAG1756A-
Shock Absorber Set	-T10001-
Torque Wrench 1332 Insert - Ring Wrench - 21mm	-VAG1332/7-
Spring Compressor Kit	-VAG1752-
Commercially Available Ratchet	N/A
Engine/Gearbox Jack Adapter - Wheel Hub Support	-T10149-

Part No:	Part Description	Quantity
3QF413175*	Bellow	2
N91021601	Shouldered Hex. Nut	2
N0150816	Nuts - Coupling Rod	2
N91233201	Nuts - Ball joint	6
N10106402	Nut - Shock absorber to wheel bearing housing	2



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N90954802	Bolt - Shock absorber to wheel bearing housing	2
WHT005437	Bolt - Drive Axle Bolt	2
N91246401	Bolts - Upper shock mount tower	6

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

Document Control Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2053205/1	12/18/18	V401801	Original publication.