

DTNA Solutions > Discussions and Feedback > Tech Talk
> New Cascadia JJ8477: Secondary Air Pressure Drops ...



Keith_Krebs

Piston Head

06-11-2018 11:23 AM

New Cascadia JJ8477: Secondary Air Pressure Drops in 10th Gear

Did you ever find a solution to this. I have a new Cascadia, vin jj8477, that when you get to 10th gear the secondary air pressure drops to where you get low pressure warning. no low air pressure for the trans warning. As you start to slow down to pull over the air leak stops. performed transmission air leak test and passed.

Add tags



4 Kudos

Reply



ADMIN

Justin_Johnson1

Community Manager

06-12-2018 07:45 AM

Hi Keith, I branched this off into a new thread for you from an older post. I hope it will raise the profile so others can help.

Please let us know what you end up finding out.

Add tags



0 Kudos

Reply



Keith_Krebs

Piston Head

06-12-2018 08:08 AM



Thank you, I will update when we solve the issue.

Keith Krebs | Shop Foreman

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Add tags



1 Kudo

Reply



Keith_Govenlock

Piston Head

06-12-2018 08:58 AM

Check the air lines for the ALM system. We had one here that had a cut in the air line on the axle housing.

Add tags

[Reply](#)

Keith_Krebs

Piston Head

06-12-2018 12:33 PM



Not able to locate the definition for ALM any where in the shop manual. Can you tell me what it stands for? Thank you.

Keith Krebs | Shop Foreman

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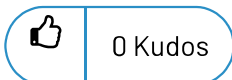
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Kyle_Siebert

Optimus Prime

06-12-2018 08:39 PM

ALM, active lube management. It's for the new final drive axles. There's a plastic oil deflector around the ring gear that under low torque allows oil to stop flowing into the oil deflector allowing less parasitic load. It uses air pressure to hold the valve closed, preventing oil from getting into the deflector.

Under high torque air pressure is vented to a valve in the rear end and this allows oil to flow into the deflector.

Add tags



1 Kudo

Reply



Keith_Govenlock

Piston Head

06-13-2018 03:26 AM

In parts pro you will see the unit is equipped with the system Kyle is describing.

Add tags



1 Kudo

Reply



Keith_Krebs

Piston Head

06-15-2018 08:21 AM

It was in fact the ALM . There is a T fitting in the left frame rail where the 1/4 purple air line goes in and splits off for the ALM. The line had come disconnected. If you look in the shop service manual there is no mention of the ALM, but it is available in parts pro, drawing number D12-27626-000.

[View solution in original post](#)

Add tags



3 Kudos

Reply



 Keith_Govenlock
Piston Head

06-15-2018 08:33 AM

Good to hear you were able to find it.

Add tags



1 Kudo

Reply



 Damian_Littleto
Lube Tech

05-13-2021 09:52 AM

Does any one know if there is a way to command the alm on to test the system for leaks besides just disconnecting the purple line at the alm and manually pressure testing it? I have a unit in right now that has this issue and found the t fitting in the frame rail and the brass fitting at the rear diff to be leaking but it was a 2 man job to air up to find said leaks.

Add tags



0 Kudos

Reply

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