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> OnGuard Fault Code 516499/12 when park brake relea...

Options



 Chris_Sutherland
Knuckle Buster

06-26-2018 11:32 AM

OnGuard Fault Code 516499/12 when park brake released

I am currently dealing with a Werner 2016 Cascadia that intermittently throws OnGuard fault code 516499/12 when the park brake is released with the engine running. It never does it with just the key on. Code goes inactive when park brake is set. Someone at my shop suggested that it could be a bad park brake switch. I disconnected the switch and jumped the wires together and was able to duplicated the fault several times by pulling out one end of the jumper and plugging it back in. Looked up troubleshooting (if you can call it that) for the code, it's pointing the finger at the ABS module. Does anybody have any idea how the park brake switch circuit would tie into the ABS?

A.J. Wathen
Service Tech
Kansas City Freightliner

Labels :

Cascadia

Electronics | Controls | Configuration | Communication | and Diagnostics

Service

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516499 abs cascadia onguard park brake parking brake



6 Kudos

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Talbert_Simonia

King Pin

06-26-2018 06:51 PM

Do you have a VIN for the unit. It communicates on J1939 for the OnGuard to the Sam Cabin and the ABS system

Add tags



0 Kudos

Reply



Chris_Sutherland

Knuckle Buster

06-27-2018 08:37 AM

GU1337

Add tags



0 Kudos

Reply

**ADMIN Justin_Johnson1**

Community Manager

07-10-2018 01:48 PM

Hi Alynn, do you remember what you ended up finding with this unit?

Add tags



0 Kudos

Reply

**Chris_Sutherland**

Knuckle Buster

07-13-2018 06:30 AM

Unfortunately, we never found anything with it. About a week or two ago, it stopped doing it and we have no idea why. I pulled it into the shop one morning (after having already spent a week trying to figure it out), the fault occurred, it went inactive when I set the parking brake, and from that point on I was not able to duplicate it anymore. CAC advised us to inform Werner of what was going on with it and release it.

Add tags



1 Kudo

[Reply](#)**ADMIN Justin_Johnson1**

Community Manager

07-13-2018 07:32 AM

Thanks for the update. We appreciate it.

[Add tags](#)

1 Kudo

[Reply](#)**Michael_Palumbo**

King Pin

07-10-2018 03:58 PM

It ties together for adaptive cruise control. Are there any stored ABS codes?

I see in the claims history the park brake pressure switch was replaced 04/26/18, for the FL576 recall. I'm wondering if that is when this issue started.

If memory serves the recall has us remove one of the pins, cut off the rubber weather seal the reinsert the pin. Perhaps the pin lock tab is not fully engaged and floating in the connector. The recall does not really say why but I've done this repair on a back pressure sensor for Sprinters vans because a vent hole could not breath past the seals causing erratic readings. I would also check the pin drag.

Whether you think you can or you think you can't, you're right. — Henry Ford

[Add tags](#)

1 Kudo

[Reply](#)

 Michael_Palumbo
King Pin

07-10-2018 04:22 PM

Typo I meant FL756

Whether you think you can or you think you can't, you're right. — Henry Ford

Add tags



0 Kudos

[Reply](#)

 Charlie_Wyble
Knuckle Buster

07-10-2018 06:39 PM

Does in have a X-Guard on,if so they interfear with radar.

Add tags



0 Kudos

[Reply](#)

 Michael_Palumbo
King Pin

07-11-2018 03:50 AM



516499	12	Amber	OnGuard™ System Disabled	Malfunction in the Anti-Lock Braking System caused OnGuard™ to be temporarily disabled	Cruise Control parameter enabled. • Use Meritor WABCO TOOLBOX™ PC Diagnostics to test the Anti-Lock Braking System. • Verify the correct radar part number is installed on the vehicle. • Verify the correct ABS ECU part number is used on the vehicle. • Cycle the ignition to clear DTCs after ABS servicing.
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I went back to fl756 to re read it. It is for the serve brake switch, not the parking switch. Looking at the bullet points I'll go with my first thought, are there any stored codes in the abs module.

Whether you think you can or you think you can't, you're right. — Henry Ford

Add tags



2 Kudos

Reply



Chris_Sutherland
Knuckle Buster

07-13-2018 06:22 AM

No codes in the ABS module.

Add tags



0 Kudos

Reply



 Michael_Palumbo
King Pin

07-13-2018 03:38 PM

I'd verify the second and third bullet points. If I found something wrong with those two points I'd fix it, then apply the last bullet point. If I found nothing wrong on the first three bullet points, I would skip the last bullet point then fill out the pre-call check list and call Meritor, since both OnGuard and ABS are Meritor products.

Whether you think you can or you think you can't, you're right. — Henry Ford

Add tags



0 Kudos

Reply



 Blake_Austin1
Knuckle Buster

11-02-2018 11:26 AM

I AM HAVING THE EXACT SAME ISSUE ON WERNER GU0410. WABCO CALL CENTER SAYS ITS AN OEM ISSUE TO GET HELP FROM THE OEM SUPPORT.

Add tags



0 Kudos

Reply



 Kyle_Siebert
Optimus Prime

11-02-2018 12:09 PM

I wonder if that wabco bulletin for 250k Radar on 500k truck has anything to do with this.

Add tags



0 Kudos

Reply



Kyle_Siebert
Optimus Prime

11-02-2018 12:23 PM

TP-16148

Of course it doesn't exist anymore. Seems to have been maybe clumped into (TP-18032 OnGuardACTIVE ECR 2.3 Software Update

Add tags



0 Kudos

Reply



Kyle_Siebert
Optimus Prime

11-02-2018 12:43 PM

Does the abs ecu self test?

Add tags



0 Kudos

Reply



 Blake_Austin1
Knuckle Buster

11-02-2018 12:54 PM

YES ABS SELF TESTS. ALSO IS COMMUNICATING PROPERLY WITH ALL OTHER MODULES ACCEPT ONGAURD. I FOLLOWED TP18032 AND UPDATED THE PARAMETERS. NO CHANGE.

Add tags



0 Kudos

Reply



 Blake_Austin1
Knuckle Buster

11-02-2018 12:56 PM

WELL I SHOULD NOT SAY NO CHANGE. NOW THE FAULT IS NOT JUST WITH THE PARK BRAKE RELEASED. BUT EITHER WAY IT DID NOT FIX IT.

Add tags



0 Kudos

Reply



 Blake_Austin1
Knuckle Buster

11-09-2018 03:18 PM

ABS ECU WAS THE FINAL REPAIR ON MINE AS WELL.

Add tags



5 Kudos

Reply



 Ryan_Hall
Knuckle Buster

05-03-2021 04:27 AM

Hey Blake, I know its been awhile since this post but what did you end up finding out. I am currently having the same issue. I see the last thing you did was put an ABS module on. I was just curious if that fixed your issue or if it ended up being something else. Thanks!

Add tags



0 Kudos

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