



Case: [REDACTED]

Content cannot be displayed: You do not have sufficient privileges to access the page: /apex/TLAlertPage

General

Caller Name	[REDACTED]	Dealer	HUGH WHITE NISSAN ATHENS
NNAnet user ID	XD950007	Contact Name	Chris Jones
Tech Preferred Phone	917408181973	Customer Name	
Tech Preferred Email	christopherjones12@hotmail.com	Case Record Type	TECH LINE Cases
Preferred Contact Method	Email	Case Owner	Phillip Page
Repair/Work Order	50020862	Mobile Phone	
Job/Line Number	A	Texting Status	
Created Day	Tuesday		

Incident Information

Customer Comments	A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.	Customer Name	[REDACTED]
Verified	Yes	Vehicle	1N6BA1F40 [REDACTED]
Question for TECH LINE	Have you seen this before?	VIN	1N6BA1F40 [REDACTED]
Service Manual General Section	Engine	Archived VIN Make	
Service Manual Specific Section	Engine Control System	Archived VIN Year	2016
Symptom Code Category	Experience/Occurrence	Archived VIN Model	TITAN XD
Symptom	MISFIRE	Incident/RO Date	2/7/2023
When does this concern occur?	INTERMITTENT	Calculated Days Down	356
Is single occurrence or a pattern?		Additional Days Down	
Repairs Made	NONE	Total Days Down	356
Observed Modifications & Accessories	NONE	Repair Attempts	0
		Current Mileage	66,580
		Vehicle Mileage Prior Value	61,948
		Vehicle Purchased Miles	
		Primary DTC	
		Current DTC	
		Past DTC	ECM P226C-00
		Other DTCs	

TECH LINE Information

Subject	ECM sets P226C-00 A61 EF	Resolution Action	REPLACE
Status	Pending Dealer Reply	Resolution Object	TURBOCHARGER
Confirmed Resolution	Pending	Field Inspection Indicator	<input type="checkbox"/>
Component Code Category	EF Engine Fuel Systems	NNA Field Inspection Date	
Component Code Issue	EFT TURBOCHARGER	FSSS	<input type="checkbox"/>

TECH LINE Template ECC Initial Response

FSSS Date

TREAD Component 06

Date/Time Closed 1/29/2024 3:55 PM

Description

Recommendation Detail

DTS Information

DTSM Inspection Date

DTSM Request Type

DTSM Inspection Date Confirmed?

Inspection Time/Notes Appointment Time:

Notes to Agent:

Notes for DTSM (Vehicle Concerns)

Contact Information

Name [REDACTED]

Phone [REDACTED]

Account Name HUGH WHITE NISSAN ATHENS

Mobile

Contact Type NNA Dealer Master

Email [REDACTED]

Title Service Technician

Email Opt Out

Customer ID. [REDACTED]

Reports To

Contact Record Type Contact

Inactive Contact

Address Information

Mailing Address

Other Address

Additional Information

Fax

Lead Source

Home Phone

Birthdate

Work Phone

Department

Description

System Information

Created By NNAETL, 7/31/2018 4:32 AM

Contact Owner NNAETL

Last Modified By NNAETL, 3/6/2024 11:49 PM

Activity History

Email: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

Name

Task

Due Date 1/25/2024

Assigned To Phillip Page

Last Modified Date/Time 1/25/2024 2:22 PM

Comments Additional To: christopherjones12@hotmail.com

CC:

BCC: phillip.page@nissan-usa.com

Attachment:

Subject: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

Body:

CHRIS,

TECH LINE's latest case update is below.

• Thank you. I'll get approval and closely inspect and test the EGR cooler. Thank you for helping. I didn't know about the results being in data monitor for the RTCV hysteresis

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you, _____ Phil Page TECH LINE

Updating a TECH LINE Case:Technician: Reply to this email; do not change the email subject line, Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be re

Case # [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F4C [REDACTED] Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

[A] CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS, PIN 4 HAS BATTERY VOLTAGE, PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL, PERFORMED A RTCV CALIBRATION AND COMPLETED, TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAJD TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:100DA009j8L!5002!02eLilq:ref

Email: C [REDACTED] 16 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L!5002!02eLilq:ref]

Name	[REDACTED]
Task	<input checked="" type="checkbox"/>
Due Date	1/25/2024
Assigned To	Phillip Page
Last Modified Date/Time	1/25/2024 11:19 AM
Comments	<p>Additional To: [REDACTED]</p> <p>CC:</p> <p>BCC: phillip.page@nissan-usa.com</p> <p>Attachment:</p> <p>Subject: Ca [REDACTED] 16 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L!5002!02eLilq:ref]</p> <p>Body:</p> <p>CHRIS,</p> <p>TECH LINE's latest case update is below.</p> <ul style="list-style-type: none">• If unsuccessful, we would expect FAIL or ERROR results• Let's continue with low-pressure turbocharger replacement• Because it has been reported the turbocharger was already replaced on multiple occasions, we should closely inspect for a root cause of rotary valve binding / sticking <p>The TECH LINE Survey can be accessed by: CLICKING HERE</p> <p>Thank you, _____ Phil PageTECH LINE</p> <p>Updating a TECH LINE Case:Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.</p> <p>From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.</p> <p>If no response, we will assume additional assistance is not required and the case will be closed, Closed TECH LINE cases can be reopened</p> <p>Case #: [REDACTED]</p> <p>Date Created: 2/7/2023</p> <p>VIN: 1N6BA1F4C [REDACTED] Mileage: 66,580</p>

Dealer code: 5705
Dealer name: HUGH WHITE NISSAN ATHENS

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ref:!00DA009j8L!5002!02eLilq:ref

Email: Ca [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Name
Task
Due Date 1/25/2024
Assigned To Phillip Page
Last Modified Date/Time 1/25/2024 10:34 AM
Comments

Additional To: christopherjones12@hotmail.com

CC:
BCC: phillip.page@nissan-usa.com
Attachment:

Subject: C [REDACTED] 16 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Body:

CHRIS,

TECH LINE's latest case update is below.

• This indicates the test has been performed

• To check the current status, we should check the RTCV HYSTERESIS STATUS in ENGINE Data Monitor

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you, _____ Phil Page TECH LINE

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Case [REDACTED]

Date Created: 2/7/2024

VIN: 1N6BA1F40C [REDACTED] Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

[A] CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

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ref:!00DA009j8L!5002!02eLilq:ref

Email: Ca [REDACTED] 16 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Name
Task
Due Date 1/25/2024
Assigned To Phillip Page
Last Modified Date/Time 1/25/2024 9:09 AM
Comments Additional To: christopherjones12@hotmail.com

CC:
BCC: phillip.page@nissan-usa.com
Attachment:

Subject: Cas [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Body:

CHRIS,

TECH LINE's latest case update is below.

- We are not requiring duplication. This was recommended by your shop foreman• We understand duplication is not always possible
- The RTCV actuator can be tested using the hysteresis test
- If RTCV passes hysteresis testing, we should replace the low-pressure turbocharger
- During replacement, we should check the EGR cooler for leaks
- We are looking for any reason the rotary valve may bind after part replacement (such as coolant consumption or oil leaks)

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Case [REDACTED]

Date Created: 2/1/2024

VIN: 1N6BA1F40C [REDACTED] leage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES: CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

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Email: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Name
Task
Due Date
Assigned To
Last Modified Date/Time
Comments

1/25/2024

Phillip Page

1/25/2024 7:36 AM

Additional To: christopherjones12@hotmail.com

CC:

BCC: phillip.page@nissan-usa.com

Attachment:

Subject: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Body:

CHRIS,

TECH LINE's latest case update is below.

- Good question! The DTC itself does not cause engine quitting

- However, the two symptoms likely have a common root cause

- The 2BAC sets when NOx emissions exceed specification

- This is typically a result of an engine performance issue and should not be our primary focus

- P203F is related to the DEF fluid level

- Low DEF fluid level or a DEF fluid level sensor issue would not cause the engine quitting symptom

- P2262 and P226C both set when the RTCV position does not meet target

- Possible causes are the RTCV, linkage, and low-pressure turbocharger

- The RTCV in an incorrect position would certainly cause some drivability concerns

- This is typically caused by the rotary valve in the low-pressure turbocharge seizing

- Duplication is certainly the best way to ensure we are addressing and repairing the customer's primary concern

- Please let us know if you have any additional questions

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you, _____ Phil Page TECH LINE

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Case # [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F4 [REDACTED] Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

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Email: Case [REDACTED], 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eL!q:ref]

Name	
Task	<input checked="" type="checkbox"/>
Due Date	1/23/2024
Assigned To	Phillip Page
Last Modified Date/Time	1/23/2024 10:54 AM
Comments	<p>Additional To: christopherjones12@hotmail.com CC: BCC: phillip.page@nissan-usa.com Attachment:</p> <p>Subject: Case [REDACTED], 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eL!q:ref] Body: CHRIS, TECH LINE's latest case update is below. • Please let us know if you have any questions</p> <p>The TECH LINE Survey can be accessed by: CLICKING HERE</p> <p>Thank you, _____ Phil PageTECH LINE</p> <p>Updating a TECH LINE Case:Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB. From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case. If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be reopened. Case #: [REDACTED] Date Created: 2/7/2023 VIN: 1N6BA1F [REDACTED] Mileage: 66,580 Dealer code: 5705 Dealer name: HUGH WHITE NISSAN ATHENS</p> <p>Customer's Concerns: A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE. Technician Findings: SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.</p>

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ref:!00DA009j8L!5002!02eLilq:ref

Email: Ca [REDACTED] 6 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Name
Task
Due Date
Assigned To
Last Modified Date/Time
Comments

1/23/2024

Phillip Page

1/23/2024 8:27 AM

Additional To [REDACTED]

CC:

BCC: phillip.page@nissan-usa.com

Attachment:

Subject: Cas [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Body:

CHRIS,

TECH LINE's latest case update is below.

• Hello, Chris! My name is Phil, and I will be assisting with your case today

• P226C sets when the RTCV position does not reach target

• Possible causes are the RTCV, linkage, and low-pressure turbocharger

• We most commonly see P226C related to the low-pressure turbocharger (see NTB20-071)

• As I understand, the customer had an issue with the EGR valve

• What was the DTC or symptom that led to EGR valve replacement?

• What was found during the diagnosis process?

• An EGR valve may become disabled by a leaking EGR cooler

• Coolant mixed with soot may be causing the replacement rotary valve to bind

• Let's check for any evidence of EGR cooler leaks. Replace the low-pressure turbocharger with the EGR cooler if a leak is confirmed

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Thank you, _____ Phil Page TECH LINE

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Case: [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F4 [REDACTED] Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES: CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095

DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING, 0.16V-0.2V, GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILIY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

This TECH LINE recommendation is given based solely on the information provided by the dealer. TECH LINE bases repair recommendations on time to repair, quality of repair, and ease of repair, regardless of who is paying for the repair or whether or not the vehicle is covered under warranty. Ultimately, it is the responsibility of the dealer to determine whether the work will be performed under warranty, a service contract, goodwill, customer pay, or dealer internal.

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ref:!00DA009j8L!5002!02eLilq:ref

Email: Cas [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Name
Task
Due Date 1/17/2024
Assigned To Michael Lemmons
Last Modified Date/Time 1/17/2024 12:20 PM
Comments Additional To: christopherjones12@hotmail.com
CC:
BCC: michael.lemmons@nissan-usa.com
Attachment:

Subject: Cas [REDACTED] 16 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Body:

CHRIS,

Since this vehicle already had a case open for the same issues, we have copied the new information into the original case. Please reply to case 48245597 if further assistance is needed for this one.

P226C and P2262 typically are due to an issue with the Rotary turbine control valve or the turbocharger.

The freeze frame indicates the boost pressure was only 7 psi while the exhaust pressure was very high at 76 psi.

If the RTCV is not operating properly this can result in this issue.

Perform ROTARY TURBINE CONTROL VALVE ACTUATOR CALIBRATION with Consult while watching the linkage on the RTCV.

Determine if it moves through its total range properly.

Compare the linkage movement to a known good vehicle.

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you, _____ Michael L,TECH LINE

Updating a TECH LINE Case:Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be re-opened.

Case [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F4 [REDACTED] Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

[A] CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING, 0.16V-0.2V, GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL, PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILITY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:00DA09j8L_5002l2eLilq:ref

Email: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref: 00DA09j8L_5002l2eLilq:ref]

Name
Task
Due Date 2/7/2023
Assigned To Kelby Hausman
Last Modified Date/Time 2/7/2023 10:17 AM
Comments Additional To: christopherjones12@hotmail.com
CC:
BCC: kelby.hausman@nissan-usa.com
Attachment:

Subject: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref: 00DA09j8L_5002l2eLilq:ref]

Body:
Chris,
Thank you for the case information.

We typically see this caused by the RTCV actuator or the turbo.

With no circuit concerns, and no binding in the linkage, we likely have an intermittent concern with the RTCV actuator.

Let's replace the actuator.

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you, _____ Kelby Hausman TECH LINE

Updating a TECH LINE Case: Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be re-

Case # [REDACTED]
Date Created: 2/7/2023

Customer name: HUGH WHITE NISSAN ATHENS

VIN: 1N6BA1F4 [REDACTED] Mileage: 61,948

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

[A] CUSTOMER STATES: CHECK ENGINE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING, 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILITY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:_00DA09j8L._5002l02eLilq:ref

An email was sent to the Caller Name

Name
Task
Due Date
Assigned To **Kelby Hausman**
Last Modified Date/Time **2/18/2023 1:24 AM**
Comments

Attachments

processed-E07A0332-E6F1-4D2A-943E-24512AB6EA06.jpeg

Size **2.04MB**
Ownership **Michael Lemmons**
View [View file](#)
Last Modified **1/17/2024 11:56 AM**

Emails

Re: Cas [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002l02eLilq:ref]

Message Date **1/29/2024 8:12 AM**
Has Attachment
Email Address [REDACTED]
Status **Read**
Subject **Re: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002l02eLilq:ref]**
Text Body
From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Thursday, January 25, 2024 10:09 AM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002l02eLilq:ref]

TECH LINE's latest case update is below.

- We are not requiring duplication. This was recommended by your shop foreman
- We understand duplication is not always possible
- The RTCV actuator can be tested using the hysteresis test
- If RTCV passes hysteresis testing, we should replace the low-pressure turbocharger
- During replacement, we should check the EGR cooler for leaks
- We are looking for any reason the rotary valve may bind after part replacement (such as coolant consumption or oil leaks)

Thank you,

Phil Page

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be reopened.

Case : [REDACTED]

Date Created: 2/7/2022

VIN: 1N6BA1F [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

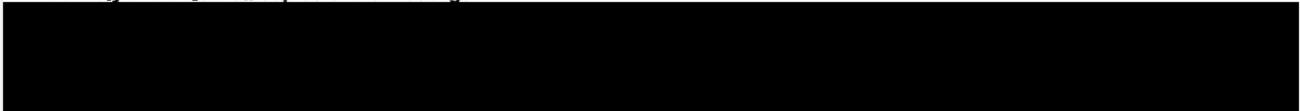
SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

This TECH LINE recommendation is given based solely on the information provided by the dealer. TECH LINE bases repair recommendations on time to repair, quality of repair, and ease of repair, regardless of who is paying for the repair or whether or not the vehicle is covered under warranty. Ultimately, it is the responsibility of the dealer to determine whether the work will be performed under warranty, a service contract, goodwill, customer pay, or dealer internal.

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ref:100DA009j8L.!5002!02eLilq:ref

Case [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.!5002!02eLilq:ref]

Message Date 1/25/2024 2:22 PM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Sent

Subject Case [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.!5002!02eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

DESCRIPTION:

• Thank you. I'll get approval and closely inspect and test the EGR cooler. Thank you for helping. I didn't know about the results being in data monitor for the RTCV hysteresis

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be reopened.

Case #: [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING [REDACTED] AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Re: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

Message Date 1/25/2024 11:39 AM
Has Attachment
Email Address christopherjones12@hotmail.com
Status Read
Subject Re: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]
Text Body Thank you. I'll get approval and closely inspect and test the EGR cooler. Thank you for helping. I didn't know about the results being in data monitor for the RTCV hysteresis

[REDACTED]

From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Thursday, January 25, 2024 12:19:15 PM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002!02eLilq:ref]

[REDACTED]

TECH LINE's latest case update is below.

- If unsuccessful, we would expect FAIL or ERROR results
- Let's continue with low-pressure turbocharger replacement
- Because it has been reported the turbocharger was already replaced on multiple occasions, we should closely inspect for a root cause of rotary valve binding / sticking

Thank you,

Phil Page
TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

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Case #: [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B, TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING, 0,16V-0,2V, GROUND SIDE IS 0,01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

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POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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[REDACTED]

ref:100DA009j8L!5002!02eLilq:ref

Case [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L!5002!02eLilq:ref]

Message Date 1/25/2024 11:19 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Sent

Subject Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L!5002!02eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

RECOMMENDATION:

- If unsuccessful, we would expect FAIL or ERROR results
- Let's continue with low-pressure turbocharger replacement
- Because it has been reported the turbocharger was already replaced on multiple occasions, we should closely inspect for a root cause of rotary valve binding / sticking

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be reopened.

Case #: [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING, 0,16V-0,2V, GROUND SIDE IS 0,01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

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POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Re: Cas [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

Message Date 1/25/2024 11:02 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Read

Subject Re: Cas [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

Text Body Just says test done.

[REDACTED]

From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Thursday, January 25, 2024 11:34:31 AM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

[REDACTED]

TECH LINE's latest case update is below.

- This indicates the test has been performed
- To check the current status, we should check the RTCV HYSTERESIS STATUS in ENGINE Data Monitor

[REDACTED]

Thank you,

Phil Page
TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

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Case #: [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1F40 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

7A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

This TECH LINE recommendation is given based solely on the information provided by the dealer. TECH LINE bases repair recommendations on time to repair, quality of repair, and ease of repair, regardless of who is paying for the repair or whether or not the vehicle is covered under warranty. Ultimately, it is the responsibility of the dealer to determine whether the work will be performed under warranty, a service contract, goodwill, customer pay, or dealer internal.

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ref:100DA009j8L.15002102eLilq:ref

Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.15002102eLilq:ref]

Message Date 1/25/2024 10:34 AM
Has Attachment
Email Address christopherjones12@hotmail.com
Status Sent
Subject Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.15002102eLilq:ref]
Text Body CHRIS,

TECH LINE's latest case update is below.

RECOMMENDATION:

- This indicates the test has been performed
- To check the current status, we should check the RTCV HYSTERESIS STATUS in ENGINE Data Monitor

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed. Closed TECH LINE cases can be reopened.

Case # [REDACTED]

Date Created: 2/7/2024

VIN: 1N6BA1F4C [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B, TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILLY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Re: Case # [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLi!q:ref]

Message Date 1/25/2024 10:24 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Read

Subject Re: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

Text Bod

From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Thursday, January 25, 2024 10:09:42 AM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: Ca [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

TECH LINE's latest case update is below.

- We are not requiring duplication, This was recommended by your shop foreman
- We understand duplication is not always possible
- The RTCV actuator can be tested using the hysteresis test
- If RTCV passes hysteresis testing, we should replace the low-pressure turbocharger
- During replacement, we should check the EGR cooler for leaks
- We are looking for any reason the rotary valve may bind after part replacement (such as coolant consumption or oil leaks)

Thank you,

Phil Page

TECH LINE

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Case # [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH

DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILITY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:100DA009j8L.!5002I02eLilq:ref

Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.!5002I02eLilq:ref]

Message Date 1/25/2024 9:09 AM
Has Attachment
Email Address christopherjones12@hotmail.com
Status Sent
Subject Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.!5002I02eLilq:ref]
Text Body CHRIS,

TECH LINE's latest case update is below.

RECOMMENDATION:

- We understand duplication is not always possible
- We are not requiring duplication. This was recommended by your shop foreman

- The RTCV actuator can be tested using the hysteresis test
- If RTCV passes hysteresis testing, we should replace the low-pressure turbocharger
- During replacement, we should check the EGR cooler for leaks
- We are looking for any reason the rotary valve may bind after part replacement (such as coolant consumption or oil leaks)

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

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Case # [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

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POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Re: Cas [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:I00DA009j8L.I5002I02eLilq:ref]

Message Date 1/25/2024 8:36 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Read

Subject Re: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:I00DA009j8L.I5002I02eLilq:ref]

Text Body So far we've driven the vehicle 50 miles and yet to stall or dtc to reset. What should I do in that situation? I understand we need to duplicate the concern but it's not always that easy. Her coolant reservoir is full should I still remove the egr cooler and inspect for leaks?



From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Thursday, January 25, 2024 8:36:33 AM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002I02eLilq;ref]

TECH LINE's latest case update is below.

- Good question! The DTC itself does not cause engine quitting
- However, the two symptoms likely have a common root cause
- The 2BAC sets when NOx emissions exceed specification
- This is typically a result of an engine performance issue and should not be our primary focus
- P203F is related to the DEF fluid level
- Low DEF fluid level or a DEF fluid level sensor issue would not cause the engine quitting symptom
- P2262 and P226C both set when the RTCV position does not meet target
- Possible causes are the RTCV, linkage, and low-pressure turbocharger
- The RTCV in an incorrect position would certainly cause some drivability concerns
- This is typically caused by the rotary valve in the low-pressure turbocharge seizing
- Duplication is certainly the best way to ensure we are addressing and repairing the customer's primary concern
- Please let us know if you have any additional questions

Thank you,

Phil Page
TECH LINE

Updating a TECH LINE Case:

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From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

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Case # [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY, CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE, PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILITY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:100DA009j8L.15002102eLilq:ref

C [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.15002102eLilq:ref]

Message Date 1/23/2024 7:36 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Sent

Subject Ca [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.15002102eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

RECOMMENDATION:

- Good question! The DTC itself does not cause engine quitting
- However, the two symptoms likely have a common root cause

- The 2BAC sets when NOx emissions exceed specification
- This is typically a result of an engine performance issue and should not be our primary focus

- P203F is related to the DEF fluid level
- Low DEF fluid level or a DEF fluid level sensor issue would not cause the engine quitting symptom

- P2262 and P226C both set when the RTCV position does not meet target
- Possible causes are the RTCV, linkage, and low-pressure turbocharger
- The RTCV in an incorrect position would certainly cause some drivability concerns
- This is typically caused by the rotary valve in the low-pressure turbocharger seizing

- Duplication is certainly the best way to ensure we are addressing and repairing the customer's primary concern
- Please let us know if you have any additional questions

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

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Case : [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F40 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Message Date 1/24/2024 1:58 PM
Has Attachment
Email Address christopherjones12@hotmail.com
Status Read
Subject Re: Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:I00DA009j8L.I5002I02eLilq:ref]
Text Body Does the dtcs P2BAC-00, P203F-00, P2262-00 and P226C-00 cause engine to stall? Trying to get vehicle to duplicate first. I'm not familiar with the diesels and I do struggle with them. I spoke with the shop foreman and said that wouldn't cause the vehicle to stall and wants to try and duplicate it first,

From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Tuesday, January 23, 2024 11:54:43 AM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: Case [REDACTED] 16 TITAN XD; ECM sets P226C-00 A61 EF [ref:I00DA009j8L.I5002I02eLilq:ref]

CHRIS,

TECH LINE's latest case update is below.

- Please let us know if you have any questions

Thank you,

Phil Page

TECH LINE

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Case : [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

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ref:!00DA009j8L.!5002!02eLilq:ref

016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLilq:ref]

2/2024 10:54 AM

Has Attachment



Email Address christopherjones12@hotmail.com

Status Sent

Subject C: 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

RECOMMENDATION:

- Please let us know if you have any questions

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

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Case [REDACTED]

Date Created: 2/7/2024

VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST, CURRENT ECM PART NUMBER IS 23710-EZ43B, TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILLY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

This TECH LINE recommendation is given based solely on the information provided by the dealer. TECH LINE bases repair recommendations on time to repair, quality of repair, and ease of repair, regardless of who is paying for the repair or whether or not the vehicle is covered under warranty. Ultimately, it is the responsibility of the dealer to determine whether the work will be performed under warranty, a service contract, goodwill, customer pay, or dealer internal.

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Re: Case [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002|02eLilq:ref]

Message Date 1/23/2024 10:36 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Read

Subject Re: Cas [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002|02eLilq:ref]

Text Body I'm not sure where or who replaced the EGR Valve or if customer was confused on the part replaced. I didn't see anything in the database history.

I will get approval to tear down to inspect the EGR Cooler for leaks.

From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Tuesday, January 23, 2024 9:27:03 AM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: [REDACTED] 016 TITAN XD: ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002I02eLilq:ref]

TECH LINE's latest case update is below.

- Hello, Chris! My name is Phil, and I will be assisting with your case today
- P226C sets when the RTCV position does not reach target
- Possible causes are the RTCV, linkage, and low-pressure turbocharger
- We most commonly see P226C related to the low-pressure turbocharger (see NTB20-071)

- As I understand, the customer had an issue with the EGR valve
- What was the DTC or symptom that led to EGR valve replacement?
- What was found during the diagnosis process?

- An EGR valve may become disabled by a leaking EGR cooler
- Coolant mixed with soot may be causing the replacement rotary valve to bind
- Let's check for any evidence of EGR cooler leaks. Replace the low-pressure turbocharger with the EGR cooler if a leak is confirmed

Thank you,

Phil Page

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

If no response, we will assume additional assistance is not required and the case will be closed, Closed TECH LINE cases can be reopened.

Case # [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH

DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILITY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:100DA009j8L.!5002102eLilq:ref

6 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.!5002102eLilq:ref]

Message Date 1/23/2024 8:27 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Sent

Subject C [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:100DA009j8L.!5002102eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

RECOMMENDATION:

- Hello, Chris! My name is Phil, and I will be assisting with your case today
- P226C sets when the RTCV position does not reach target
- Possible causes are the RTCV, linkage, and low-pressure turbocharger
- We most commonly see P226C related to the low-pressure turbocharger (see NTB20-071)

- As I understand, the customer had an issue with the EGR valve
- What was the DTC or symptom that led to EGR valve replacement?
- What was found during the diagnosis process?

- An EGR valve may become disabled by a leaking EGR cooler
- Coolant mixed with soot may be causing the replacement rotary valve to bind
- Let's check for any evidence of EGR cooler leaks. Replace the low-pressure turbocharger with the EGR cooler if a leak is confirmed

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Phil Page

TECH LINE

Updating a TECH LINE Case:

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From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

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Case #: [REDACTED]

Date Created: 2/7/2023

VIN: 1N6BA1F [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS, PIN 4 HAS BATTERY VOLTAGE, PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

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Phillip M Page
Technical Support Specialist
Aftersales Dealer Support – TECH LINE
Nissan North America, Inc.

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Re: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLi!q:ref]

Message Date 1/22/2024 3:28 PM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Read

Subject Re: Case [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLi!q:ref]

Text B

From: TECH LINE Email to Case <techlinesfdc@nissan-usa.com>
Sent: Wednesday, January 17, 2024 1:20:27 PM
To: christopherjones12@hotmail.com <christopherjones12@hotmail.com>
Subject: C [REDACTED] 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L!5002I02eLilq;ref]

Since this vehicle already had a case open for the same issues, we have copied the new information into the original case. Please reply to case [REDACTED] if further assistance is needed for this one.
P226C and P2262 typically are due to an issue with the Rotary turbine control valve or the turbocharger.
The freeze frame indicates the boost pressure was only 7 psi while the exhaust pressure was very high at 76 psi.
If the RTCV is not operating properly this can result in this issue.
Perform ROTARY TURBINE CONTROL VALVE ACTUATOR CALIBRATION with Consult while watching the linkage on the RTCV.
Determine if it moves through its total range properly.
Compare the linkage movement to a known good vehicle.

Thank you,

Michael L.

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

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Case # [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA1F4 [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

?A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY, CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILITY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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ref:!00DA009j8L.!5002!02eLilq:ref

Cas [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLilq:ref]

Message Date 1/17/2024 12:20 PM

Has Attachment

Email Address [REDACTED]

Status Sent

Subject Case 48245597; 2016 TITAN XD; ECM sets P226C-00 A61 EF [ref:!00DA009j8L.!5002!02eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

Replied to tech:

Since this vehicle already had a case open for the same issues, we have copied the new information into the original case.

Please reply to cas: [REDACTED] if further assistance is needed for this one.

P226C and P2262 typically are due to an issue with the Rotary turbine control valve or the turbocharger.

The freeze frame indicates the boost pressure was only 7 psi while the exhaust pressure was very high at 76 psi.

If the RTCV is not operating properly this can result in this issue.

Perform ROTARY TURBINE CONTROL VALVE ACTUATOR CALIBRATION with Consult while watching the linkage on the RTCV.

Determine if it moves through its total range properly.

Compare the linkage movement to a known good vehicle.

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Michael L.

TECH LINE

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Case # [REDACTED]
Date Created: 2/7/2023
VIN: 1N6BA [REDACTED]

Mileage: 66,580

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY, CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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Michael Lemmons
Nissan North America, Inc.
Technical Support Specialist, TECH LINE
Michael.Lemmons@nissan-usa.com
phone [REDACTED]
fax: +1 615-967-3314

Case # [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref: _00DA09j8L._5002I2eLilq:ref]

Message Date 2/7/2023 10:17 AM

Has Attachment

Email Address christopherjones12@hotmail.com

Status Sent

Subject Case # [REDACTED] 016 TITAN XD; ECM sets P226C-00 A61 EF [ref: _00DA09j8L._5002I2eLilq:ref]

Text Body CHRIS,

TECH LINE's latest case update is below.

Recommendation:

Thank you for the case information.

We typically see this caused by the RTCV actuator or the turbo.

With no circuit concerns, and no binding in the linkage, we likely have an intermittent concern with the RTCV actuator.

Let's replace the actuator.

The TECH LINE Survey can be accessed by: [CLICKING HERE](#)

Thank you,

Kelby Hausman

TECH LINE

Updating a TECH LINE Case:

Technician: Reply to this email; do not change the email subject line. Email file attachments are limited to 6MB.

From ASIST, Select TECH LINE Support Request, Enter your dealer code and select Update a Case.

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Case #: [REDACTED]
Date Created: 2/7/2023
Customer name: HUGH WHITE NISSAN ATHENS
VIN: 1N6BA1F4[REDACTED]

Mileage: 61,948

Dealer code: 5705

Dealer name: HUGH WHITE NISSAN ATHENS

Customer's Concerns:

| A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.

Technician Findings:

SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING, 0,16V-0,2V, GROUND SIDE IS 0,01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.:

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immediately and delete all copies of the message.

Kelby Hausman
Technical Support Specialist
Aftersales Dealer Support – TECH LINE

Nissan North America, Inc.
[Redacted]
Fax: +1 615-984-5234

Case Comments

<p>1/25/2024 2:21 PM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • Thank you. I'll get approval and closely inspect and test the EGR cooler. Thank you for helping. I didn't know about the results being in data monitor for the RTCV hysteresis</p>	<p>1/25/2024 11:18 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment RECOMMENDATION: • If unsuccessful, we would expect FAIL or ERROR results • Let's continue with low-pressure turbocharger replacement • Because it has been reported the turbocharger was already replaced on multiple occasions, we should closely inspect for a root cause of rotary valve binding / sticking</p>
<p>1/25/2024 11:14 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • Just says test done.</p>	<p>1/25/2024 10:34 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment RECOMMENDATION: • This indicates the test has been performed • To check the current status, we should check the RTCV HYSTERESIS STATUS in ENGINE Data Monitor</p>
<p>1/25/2024 10:34 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • Does this indicate the test passed? • No dtcs stored after I did the active test on the RTCV Hysteresis test.</p>	<p>1/25/2024 9:08 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment RECOMMENDATION: • We understand duplication is not always possible • We are not requiring duplication. This was recommended by your shop foreman • The RTCV actuator can be tested using the hysteresis test • If RTCV passes hysteresis testing, we should replace the low-pressure turbocharger • During replacement, we should check the EGR cooler for leaks • We are looking for any reason the rotary valve may bind after part replacement (such as coolant consumption or oil leaks)</p>
<p>1/25/2024 9:08 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • So far we've driven the vehicle 50 miles and yet to stall or dtc to reset. • What should I do in that situation? • I understand we need to duplicate the concern but it's not always that easy. • Her coolant reservoir is full should I still remove the egr cooler and inspect for leaks?</p>	<p>1/25/2024 7:36 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment RECOMMENDATION: • Good question! The DTC itself does not cause engine quitting • However, the two symptoms likely have a common root cause • The 2BAC sets when NOx emissions exceed specification • This is typically a result of an engine performance issue and should not be our primary focus • P203F is related to the DEF fluid level • Low DEF fluid level or a DEF fluid level sensor issue would not cause the engine quitting symptom</p>
<p>1/25/2024 7:31 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • Does the dtcs P2BAC-00, P203F-00, P2262-00 and P226C-00 cause engine to stall? • Trying to get vehicle to duplicate first. • I'm not familiar with the diesels and I do struggle with them. • I spoke with the shop foreman and said that wouldn't cause the vehicle to stall and wants to try and duplicate it first.</p>	<p>Comment RECOMMENDATION: • P2262 and P226C both set when the RTCV position does not meet target • Possible causes are the RTCV, linkage, and low-pressure turbocharger • The RTCV in an incorrect position would certainly cause some drivability concerns • This is typically caused by the rotary valve in the low-pressure turbocharger seizing • Duplication is certainly the best way to ensure we are addressing and repairing the customer's primary concern • Please let us know if you have any additional questions</p>
<p>1/23/2024 10:44 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • I'm not sure where or who replaced the EGR Valve or if customer was confused on the part replaced. I didn't see anything in the database history. • I will get approval to tear down to inspect the EGR Cooler for leaks.</p>	
<p>1/23/2024 8:25 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment DESCRIPTION: • I compared a 2018 titan we had on the lot and seemed to be the same as the customers car.</p>	<p>1/23/2024 10:54 AM</p> <p>User Phillip Page Public <input checked="" type="checkbox"/></p> <p>Comment RECOMMENDATION: • Please let us know if you have any questions</p>

1/17/2024 11:56 AM

1/23/2024 8:26 AM

User **Michael Lemmons**
 Public

From Duplicate Case: [01/17/2024 11:10 AM]

Customer Comments: A) CS: THINKS THERE IS AN ISSUE WITH THE TURBO, CEL WAS ON AND IT DIED IN THE MIDDLE OF THE ROAD PLEASE CHECK AND ADVISE

Technician Findings: SCANNED VEHICLE AND FOUND DTCS P226C-00, P2262-00, P203F-00 AND P2BAC-00. WE REPLACED THE RTCV ON 2/7/23 WITH 61, 948 MILES ON IT. VEHICLE SET P226C-00. I ALSO FOUND OUT THAT SHE HAS HAS MULTIPLE TURBOS PUT ON. I DID NOT KNOW THIS IN THE BEGINNING. I REVIEWED THE DBS AND FOUND THE HISTORY. 2-18-21 WITH 53,854 NOURSE NISSAN PERFORMED TSB NTB20-071 FOR SETTING DTCS P226C-00, 3-20-2020 WITH 51,292 NISSAN NOURSE REPLACED THE RTCV ACTUATOR FOR DTC P226C-00 AND P00AF-00, 3-29-18 WITH 43,305 MILES RICART REPLACED LONG BLOCK FOR KNOCKING NOISE, THEN 12-5-16 WITH 14,512 NISSAN NOURSE PERFORMED RECALL PC471 FOR REPLACING THE HIGH PRESSURE TURBO. I FOLLOWED THE DIAG PROCEDURE AND YET TO SET THE DTC. I DROVE VEHICLE APPROX 25 MILES AND NOTHING HAS SET. I VERIFIED I HAVE POWER ON PIN 4 AN GROUND ON PIN 1 AT THE RTCV AND IS GOOD. I WENT AHEAD AND CHECKED THE POWER AND GROUNDS WHILE THE RTCV WAS MOVING DURING CALIBRATION. I REMOVED THE LINK TO THE TURBO AND TIMES IT FELT LIKE IT WAS BINDING BUT NOT SURE IF I WAS JUST IN AN ODD ANGLE CAUSING IT. I TRIED DOING THE RTCV HYSTERESIS TEST AND AT FIRST CONSULT WOULDNT GO THROUGH. AFTER I DROVE THE VEHICLE I TRIED AGAIN AND ALL IT SAID WAS TEST DONE AT THE BOTTOM THEN NEXT PAGE SAID COMPLETED SO NOT SURE IF IT PASSED. SHOULD WE REMOVE THE TURBOS AND INSPECT AT THIS POINT?

Repairs Made: RTCV ACTUATOR
 Verified: Yes
 Past DTC: ECM P226C-00 ECM P2262-00 ECM P2BAC-00 ECM P203F-00
 Question for TECH LINE: Have you seen this before?

2/7/2023 10:17 AM

User **Kelby Hausman**
 Public

Recommendation:
 Thank you for the case information.

Comment **We typically see this caused by the RTCV actuator or the turbo. With no circuit concerns, and no binding in the linkage, we likely have an intermittent concern with the RTCV actuator. Let's replace the actuator.**

User **Phillip Page**
 Public

RECOMMENDATION:

- Hello, Chris! My name is Phil, and I will be assisting with your case today
- P226C sets when the RTCV position does not reach target
- Possible causes are the RTCV, linkage, and low-pressure turbocharger
- We most commonly see P226C related to the low-pressure turbocharger (see NTB20-071)

Comment

- As I understand, the customer had an issue with the EGR valve
- What was the DTC or symptom that led to EGR valve replacement?
- What was found during the diagnosis process?

- An EGR valve may become disabled by a leaking EGR cooler
- Coolant mixed with soot may be causing the replacement rotary valve to bind
- Let's check for any evidence of EGR cooler leaks. Replace the low-pressure turbocharger with the EGR cooler if a leak is confirmed

1/17/2024 12:19 PM

User **Michael Lemmons**
 Public

Replied to tech:
 Since this vehicle already had a case open for the same issues, we have copied the new information into the original case. Please reply to case [REDACTED] further assistance is needed for this one. P226C and P2262 typically are due to an issue with the Rotary turbine control valve or the turbocharger.

Comment The freeze frame indicates the boost pressure was only 7 psi while the exhaust pressure was very high at 76 psi. If the RTCV is not operating properly this can result in this issue. Perform ROTARY TURBINE CONTROL VALVE ACTUATOR CALIBRATION with Consult while watching the linkage on the RTCV. Determine if it moves through its total range properly. Compare the linkage movement to a known good vehicle.

1/17/2024 11:56 AM

User **Michael Lemmons**
 Public

From Duplicate Case: [01/17/2024 11:30 AM]

Comment HERES WHAT CUSTOMER HAS WROTE DOWN ON THE DROP OFF SLIP "CHECK ENGINE LIGHT CAME ON, WENT OFF FOR 2 DAYS, CAME BACK ON THEN TRUCK DIED ON THE ROAD BUT WAS ABLE TO START BACK UP. TURBO HAS BEEN THE ISSUE 3 TIMES BEFORE, EGR VALVE WENT BAD BEFORE" (I DONT SEE HISTORY OF THE EGR VALVE) ECM CURRENT PART NUMBER IS 23710-EZ43B. I ALSO ATTACHED FFD

2/7/2023 10:09 AM

User **Survey Site Guest User**
 Public

Comment **Customer Comments: | A) CUSTOMER STATES:CHECK ENIGNE LIGHT IS ON, PLEASE CHECK AND ADVISE.**

Technician Findings: SCANNED VEHICLE AND FOUND DTC P226C-00 AS PAST. CURRENT ECM PART NUMBER IS 23710-EZ43B. TSBS NTB16-095 DOES NOT APPLY. CHECKED POWER AND GROUNDS. PIN 4 HAS BATTERY VOLTAGE. PERFORMED VOLTAGE DROP ON THE POWER SIDE AND IS READING. 0.16V-0.2V. GROUND SIDE IS 0.01V. I CHECKED THE LINKAGE FOR ANY BINDING ON THE TURBO AND ITS SMOOTH DIDNT FEEL ANY CATCHING. REINSTALLED THE LINKAGE TO THE RTCV AND MANUALLY MOVED THE LINKAGE AND FELT SMOOTH STILL. PERFORMED A RTCV CALIBRATION AND COMPLETED. TEST DROVE VEHICLE FOR 30 MILES AND NO DTCS HAS YET TO RETURN. PERFORMED THE "RUN ROTARY TURBINE CONTROL VALVE ACTUATOR HYSTERESIS TEST" AND SAID TEST DONE.

I ASKED CUSTOMER IF THERE WAS ANY DRIVEABILLY ISSUES AND SHE SAID SHE HAS NOT HAD ANY ISSUES WITH DRIVING

THE VEHICLE SINCE THE LIGHT CAME ON.

POSSIBLE RTVC DEFECTIVE OR WHERE SHOULD I PROCEED AT THIS POINT? I DROVE VEHICLE ABOUT 30 MILES (25 MINUTES) FROM SPEEDS RANGING 55-60, 70-75 AND DOWN TO 30-35 WITH LIGHT AND HARD ACCELERATIONS AND CRUISING.

Repairs Made: NONE

Verified: Yes

Past DTC: ECM P226C-00

Question for TECH LINE: Have you seen this before?

Case History

1/29/2024 3:55 PM

User Phillip Page

Action Changed Status from Open to Pending Dealer Reply.

1/29/2024 10:10 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/29/2024 8:12 AM

User Managed Services

Action Changed Reopen Date from 1/24/2024 1:58 PM to 1/29/2024 8:12 AM. Changed Status from Pending Dealer Reply to Pending TECH LINE.

1/25/2024 2:22 PM

User Phillip Page

Action Changed Status from Pending TECH LINE to Pending Dealer Reply.

1/25/2024 11:39 AM

User Managed Services

Action Changed Status from Open to Pending TECH LINE.

1/25/2024 11:19 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/25/2024 11:02 AM

User Managed Services

Action Changed Status from Open to Pending TECH LINE.

1/25/2024 10:34 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/25/2024 10:24 AM

User Managed Services

Action Changed Status from Open to Pending TECH LINE.

1/25/2024 9:09 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/25/2024 8:36 AM

User Managed Services

Action Changed Status from Open to Pending TECH LINE.

1/25/2024 7:36 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/24/2024 1:58 PM

User Managed Services

Action Changed Reopen Date from 1/22/2024 3:28 PM to 1/24/2024 1:58 PM. Changed Status from Pending Dealer Reply to Pending TECH LINE.

1/23/2024 3:54 PM

User Phillip Page

Action Changed Status from Open to Pending Dealer Reply.

1/23/2024 10:54 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/23/2024 10:36 AM

User Managed Services

Action Changed Status from Open to Pending TECH LINE.

1/23/2024 8:27 AM

User Phillip Page

Action Changed Status from Pending TECH LINE to Open.

1/23/2024 8:11 AM

User Phillip Page

Action Changed Case Owner from TECH LINE Tier 2 to Phillip Page.

1/23/2024 7:23 AM

User Kelby Hausman

Action Changed Case Owner from Kelby Hausman to TECH LINE Tier 2.

1/22/2024 3:28 PM

User Managed Services

Action Changed Reopen Date from 1/17/2024 11:56 AM to 1/22/2024 3:28 PM. Changed Status from Pending Dealer Reply to Pending TECH LINE.

1/17/2024 12:20 PM

User Michael Lemmons

Action Changed Status from Pending TECH LINE to Pending Dealer Reply.

1/17/2024 11:56 AM

User Michael Lemmons

Action Changed First Call Resolution from Yes to No. Changed Reopen Date to 1/17/2024 11:56 AM. Changed Status from Pending Dealer Reply to Pending TECH LINE.

2/7/2023 10:16 AM

User Kelby Hausman

Action Changed Subject to ECM sets P226C-00 A61 EF, Changed Status from Pending TECH LINE to Pending Dealer Reply.

2/7/2023 10:11 AM

User Kelby Hausman

Action Changed Case Owner from TECH LINE Initial to Kelby Hausman.

2/7/2023 10:09 AM

User Survey Site Guest User

Action Changed Preferred Contact Method to Email. Changed Case Owner from TECH LINE Stage to TECH LINE Initial.

2/7/2023 10:09 AM

User Survey Site Guest User

Action Changed Status from Open to Pending TECH LINE. Changed Account Name to HUGH WHITE NISSAN ATHENS. Created.