INFORMATION Redacted PURSUANT TO THE FREEDOM
OF INFORMATION ACT (FOIA), 5 U.S.C. 552(B)(6)

PE17-002

NISSAN

7/28/2017

ATTACHMENT E

REDACTED_PE17_002_Q8_LIST OF ACTIONS

CONFIDENTIAL BUSINESS INFORMATION

PE17-002 ABS Actuator

Action Title	Start Date	End Date	Objective Summary (Purpose)	Responsible Group	Conclusion Summary	Pages
NA-PRO-2007-01452	10/5/2007	12/8/2007	2008MY X61A(Titan, Armada, QX56) ABS Light On - Expected C/Unit Internal Failure	FQI/Design	CONFIDENTIAL BUSINESS INFORMATION [redacted]	1 - 37
NA-PRO-2011-01246	6/7/2011	1/9/2012	2011MY Z51 (Murano) - Brake Pedal sinks to the floor, ABS Controller	Continental		38 - 75
NA-PRO-2013-04322	1/29/2014	4/17/2014	D40 (Frontier) ABS Actuator - Brake MIL On	Continental		76 - 105
Q8 Response and Flow Chart	5/17/2017	TBD	Question 8 response	Technical Compliance		106 - 108
Analysis of Reviewed Vehicle	5/17/2017	7/28/2017	Analysis of incident part	CQO		109
Conti Visit	7/10/2017	7/10/2017	Disassemble N=2 ABS actuators	Continental		110 - 119
VRTC Joint Inspection of Incident Vehicle	7/24/2017	TBD	Review customer incident vehicle. Disassemble ABS actuator	NHTSA		N/A

PE17-002

NISSAN

7/28/2017

ATTACHMENT E

REDACTED_PE17_002_REQUEST 8 RESPONSE



CARS / RAPIDA

Project Report

Project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Contents:

PRO	Status	Status Date	Target	Responsible		
	NA-PRO-2007-01452	Closed	08-Dec-2007		-	
MREP	Status	Status Date	Target	Responsible		
	NA-MREP-2007-01422	Closed	08-Dec-2007	13-Dec-2007	-	
FIR	Linked	Country	Author	Subject		
	NA-FIR-2007-00708	01-Oct-2007		-	2008MY X61A(J/T/A60) ABS lights ON	
IPS	Status	Status Date	Target	Responsible		
	NA-IPS-2007-01473	Closed	29-Oct-2007		-	
PS	Issued	function				
	NA-PS-2008-01049	02-Dec-2008	update		-	
	NA-PS-2008-00644	11-Nov-2008	update		-	
REQ	Status	Status Date	Target	Responsible		
	NA-PIR-2007-00561	Closed	15-Nov-2007		-	
CD	Status	Status Date	Target	Responsible	Related REQ#	
	NA-CD-2007-00831	Closed	06-Nov-2007		-	NA-PIR-2007-00561
ADR	Status	Status Date	Target	Responsible	Related CD#	
	NA-ADR-2007-00516	Closed	30-Nov-2007		-	NA-CD-2007-00831
	NA-ADR-2007-00515	Closed	19-Nov-2007		-	NA-CD-2007-00831
AD	Status	Status Date	Target	Responsible		
	NA-AD-2007-01036	Closed	15-Jan-2009		-	

Project

Reference # : NA-PRO-2007-01452 Status : Closed
Target : Responsible : (--)
Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Classification code :

Priority : M -Normal Taskforce report : Yes
Priority explanation : Restricted Access :
Priority justification :
Model : A60 Local reference nr :
Engine type :
Model year : 2008 Transmission type :
System : Chassis
Facilitator :

Q-Start Date : Q1 End date :
Q-Start Time : Q1 End Time :
Q2 End Date :
Q2 End Time :
Start & End time Format: HH:MM (where applicable)

Related documents

Related Documents

CMC	Status	Status Date	Target	Responsible
-CMC-2007-01018	Closed	30-Jun-2008	30-Jun-2008	-

MREP	Status	Status Date	Target	Responsible
NA-MREP-2007-01422	Closed	08-Dec-2007	13-Dec-2007	-

FIR	Linked	Country	Author	Subject
NA-FIR-2007-00708	01-Oct-2007	U.S.A.	Shigehisa MARUYAMA-NA - NA-NNA-PEI	2008MY X61A(J/T/A60) ABS lights ON

IPS	Status	Status Date	Target	Responsible
NA-IPS-2007-01473	Closed	29-Oct-2007		-

PS	Issued	function	Target	Responsible
NA-PS-2008-01049	02-Dec-2008	update		-
NA-PS-2008-00644	11-Nov-2008	update		-

REQ	Status	Status Date	Target	Responsible
NA-PIR-2007-00561	Closed	15-Nov-2007		-

CD	Status	Status Date	Target	Responsible	Related REQ#
NA-CD-2007-00831	Closed	06-Nov-2007		-	NA-PIR-2007-00561

ADR	Status	Status Date	Target	Responsible	Related CD#
NA-ADR-2007-00516	Closed	30-Nov-2007		-	NA-CD-2007-00831

NA-ADR-2007-00515	Closed	19-Nov-2007	-	NA-CD-2007-00831

File Attachment	Attachment Type	Attachment Description	Parent Reference
Open	EX	Preliminary investigation results for ABS Units with supplier	NA-PRO-2007-01452
Open	6-panel chart	6-Panel for 08MY A60	NA-PRO-2007-01452
Open	6-panel chart	6-Panel for 08MY JA60	NA-PRO-2007-01452
Open	6-panel chart	6-Panel for 08MY TA60	NA-PRO-2007-01452
Open	PDF	8D From Supplier	NA-PIR-2007-00561
Open	EX	Parts Spreadsheet Revised from Supplier	NA-PIR-2007-00561
Open	EX	Warranty data for 2008MY X61A-ABS	NA-PRO-2007-01452
Open	WD	Executive summary for X61A - ABS C/Unit	NA-PIR-2007-00561

AD	Status	Status Date	Target	Responsible
NA-AD-2007-01036	Closed	15-Jan-2009		-

Executive Summary Images
Picture #1 :
Picture #2 :

Adoption data

CD#	Plant	CM Type	Model	Model	VIN	VIN	Brand	Adoption
CONFIDENTIAL BUSINESS INFORMATION								

Incident details

Date of first incident :

Is / Is not analysis

	Is	Is not
What	:	
Where	:	
When	:	
Extent	:	

Customer complaint : CUST STATES VDC,SLIP, AND BRAKE LITE ARE ON,, WATER TEMP WILL DROP DOWN TO 0 WHILE RUNNING

Details of concern : 127 RAN CONSULT-VEH HAD STORED CODE U1001-CAN COMMUNICATIONS FAILURE. TRACED CHASSIS WIRING HARNESS AND

Incident conditions :

Investigation results :

Repairs done & results :

Reported VINs: 1

VIN	TR/FIR	Production	Sold Date	Incident	Mileage	Engine	Transmission

	Source	Date		Date			
5N1BA08D28N604804	U.S.A.	15-May-2007	No Sold.Date	07-Jun-2007	127 Miles	No Engine type	No Transmission type

Parts details

Part nr	Part name	Supplier	Quantity available
1.47660-ZC32C	ACTUATOR ASSY - ANTI SKID	Continental	1
2.			
3.			
4.			

Warranty data

Concern ranking:
Number of buy-back cases :
Total warranty cost :
Number of claims :
Cost per claim :
Estimated incident ratio :
Analysis conditions :

Relevant PNC-Tag Pairs E.g.:79905-KQ7 (separate with ';') : 47600-CTJ; 47600-CTH; 47600-CTG; 47600-CAJ; 47600-CAH; 47600-CAG; 47600-CXJ; 47600-CXH; 47600-CXG

Warranty reduction data

	Warranty cost	Number of claims
Total	:	
Sold	:	
Selling	:	
1 yr total	:	
1 yr sold	:	
1 yr selling	:	

Detailed warranty data

Model :
Type :
Engine :
Transmission :
Cost per vehicle :
Incident ratio :

Survey related

IQS4 question nr :
JD Power :
APEAL question nr :

Archive

FES engineer : K.Matsuzawa
File location / number :
Project start date :
Close date : 08-Dec-2007
Last correspondence :
Destroy date :

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: Warning Light On: Brake/ABS

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible	:				

Sharing : No

Admin only

Deadline date :
Archive Date : 08-Dec-2019

Current user : Shigehisa MARUYAMA-NA
Authors : NONE
Readers : GCP_NA_NNA_PEI
Shigehisa MARUYAMA-NA
GCP_PI
GCP_NONMARKET
GCP_NA_NNA_PEI

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
01-Oct-2007	Save	Draft	Shigehisa MARUYAMA-NNA NA		Shigehisa MARUYAMA-NA		
05-Oct-2007	Publish	Public	Shigehisa MARUYAMA-NNA NA		Shigehisa MARUYAMA-NA		
08-Dec-2007	(Close by MREP)	Closed	Shigehisa MARUYAMA-NNA NA				

Comments

Market Reply

Reference # : NA-MREP-2007-01422 Status : Closed
Target : 13-Dec-2007 Responsible : (--)
Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Reply Type	: Final reply	TSB Issue or Not	: --Select--
Model	: A60; JA60; TA60	TSB No.	:
Model year	: 2008	TSB Issue Date	:
System	: Chassis	Reason Why TSB Not Issued	:
Engine type	:	TSB Reminder Date	:
Transmission type	:		
TR/PRO result	: No applicable TR		
Restricted Access	:		
C/M Effectiveness Check	: Yes		
C/M Effectiveness check Date	: 21-Jan-2008		

Details of Concern

127 RAN CONSULT-VEH HAD STORED CODE U1001-CAN COMMUNICATIONS FAILURE. TRACED CHASSIS WIRING HARNESS AND

Investigation Results & root causes

Investigation Results:

Root cause:
5 units listed on attached spreadsheet. 1 parts was submitted to the supplier for investigation. 5N1BA08D28N[redacted]was noted as a capacitor issue with 8D attached.

Conclusions

CONFIDENTIAL BUSINESS INFORMATION
[redacted]

Related documents

Link to project : NA-PRO-2007-01452 — 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP
Priority: M -Normal

Related Documents

FIR	Linked	Country	Author	
NA-FIR-2007-00708	01-Oct-2007	U.S.A.	Shigehisa MARUYAMA-NA - NA-NNA-PEI	2008MY X61A(J/T/A60) ABS lights ON

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	:

Countermeasures

CONFIDENTIAL BUSINESS INFORMATION

[redacted]

Parts info

	Part 1	Part 2	Part 3	Part 4
Part name	:			
New #	:			
Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

	Part 5	Part 6	Part 7	Part 8
Part name	:			
New #	:			
Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

	Part 9	Part 10	Part 11	Part 12
Part name	:			
New #	:			
Old #	:			

Supplier :
Lot # :
Instruction old parts :

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date : 13-Dec-2007
Archive Date :

Current user : Jim BLENKARN
Authors : NONE
Readers : GCP_NA_NNA_PEI
Shigehisa MARUYAMA-NA
GCP_NA_NSC
GCP_PI
GCP_NONMARKET
GCP_NA_NNA_PEI

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
30-Nov-2007	Save	Draft	Shigehisa MARUYAMA-NNA NA		Shigehisa MARUYAMA-NA		
30-Nov-2007	Request Approval	Awaiting Approval	Shigehisa MARUYAMA-NNA NA		Jim BLENKARN		
08-Dec-2007	Close as final	Closed	Jim BLENKARN	NNA			

Send Prior Notification to User 1 :
User 2 :
User 3 :
User 4 :

User 5 :
User 6 :
Pre-Notified : ()

ARCHIVE ARCHIVE ARCHIVE ARCHIVE ARCHIVE ARCHIVE

Field Investigation Report

Reference # : NA-FIR-2007-00708 Status : Closed
Target :
Responsible : (--)
Subject : 2008MY X61A(J/T/A60) ABS lights ON

General

Priority	: M -Normal	Restricted Access	:
Model	: TA60	Taskforce report	: Yes
		Customer impact	: L -Low or No F1 Impact
Model year	: 2008	F1 cause	:

Related documents

Link to project	: NA-PRO-2007-01452	2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Related Documents

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	:
Tread code	: 03 -Brakes-Service	F, s, s, s	: No

Investigation details

Investigation date	: 21-Sep-2007	Country/State/Province: Smyrna, TN

Dealer code	:	Dealer Name	: NNA-FQI

Attendee Information

Name	Organisation
1. Shigehisa MARUYAMA	NNA-FQI
2. Gaurav Vij	Continental
3.	
4.	

Conclusions : We confirmed the incident (no communication with ABS ECU)

Incident details

Incident mileage	: 127 Miles	Date of incident :	07-Jun-2007
Town of incident	: CONROE, TX		

Background info :

Customer complaint : CUST STATES VDC,SLIP, AND BRAKE LITE ARE ON,, WATER TEMP WILL DROP DOWN TO 0 WHILE RUNNING

Details of incident : 127 RAN CONSULT-VEH HAD STORED CODE U1001-CAN COMMUNICATIONS FAILURE. TRACED CHASSIS WIRING HARNESS AND

Repairs done & results :

Action for incident parts : Collected

Vehicle details

VIN	: 5N1BA08D28N[redacted]	Engine type	:
Basic model	:	Engine nr	:
Prefix	:	Transmission type	:
Suffix	:	Transmission nr	:
Serial nr	:	Body type	:
Vehicle type	:	Grade	:
Plant code	:	Airbag	:
Production date	: 15-May-2007	ABS	:
Sold date	:	Air conditioning	:
Registration nr	:	Color code	:
Customer name	:	Truck features	:

DC Converter No	:	Inverter No	:
PBW ECU No	:	Battery Pack No	:
On Board Charge No	:	Electric PKB ECU No	:
Electric PKB ATR No	:	Electric Heater Unit No	:

Parts details

Part nr	Part name	Supplier	Quantity available
1.47660-ZC32C	ACTUATOR ASSY - ANTI SKID	Continental	1
2.			
3.			
4.			

Survey

IQS4 question nr	:	JD Power	:
APEAL question nr	:		

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					

Sharing : No

Admin only

Deadline date	:	
Archive Date	:	08-Dec-2019
Current user	:	Shigehisa MARUYAMA-NA
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Shigehisa MARUYAMA-NA GCP_NA_NSC GCP_PI GCP_NONMARKET NONE

Bring to the attention of :
User 1 :
User 2 :
User 3 :
User 4 :
User 5 :
User 6 :

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
01-Oct-2007	Save	Draft	Shigehisa MARUYAMA-NNA	NA	Shigehisa MARUYAMA-NNA	NA	
01-Oct-2007	Close	Closed	Shigehisa MARUYAMA-NNA	NA			
01-Oct-2007	(Create Link From Project)	Closed	Shigehisa MARUYAMA-NNA	NA			

Incident Parts Shipment

Reference # : NA-IPS-2007-01473 Status : Closed

Target : Responsible : (--)

Subject : 2008MY X61A(J/T/A60) ABS lights ON

General

Model : A60

Comments : This IPS is for follwoing VINs;
5N1BA08D28N[redacted]
1N6BA07F08N[redacted]
1N6BA07F98N[redacted]

General

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Related Documents

Shipment information

Shipment 1

Parts sent date : 01-Oct-2007 Parts received date : 12-Oct-2007

Shipping method : Other Airway bill nr :

Courier company : By Hand

Shipment 2

Parts sent date : Parts received date :

Shipping method : Airway bill nr :

Courier company :

Shipment 3

Parts sent date : Parts received :

date

Shipping method	:	Airway bill nr	:
Courier company	:		

Parts information

Final parts destination	:	Contact Person	Gaurav Vij
		Telephone Number	(248)393-8766
Parts delivery address	:	Company Name	Continental Automotive Systems
		Street & number	One Continental Dr.
		City	Auburn Hills
		District	MI
		Postal Code	483261581
		Country	us -U.S.A.

Pickup Territory :

Purpose of parts:

	Part nr	Part name	Supplier	Lot nr	Quantity requested	Quantity sent
1.	47660-ZC32C	ACTUATOR ASSY - ANTI SKID	Continental			3
2.						
3.						
4.						

	VIN number	Repair date	PFP	Contact person	Dealer code
1.					
2.					
3.					
4.					
5.					
6.					

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible	:				
Sharing	: No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Jessica MARTIN
Authors	:	NONE
Readers	:	GCP_USERS Shigehisa MARUYAMA-NA GCP_NA_NNA-C_PQA

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
01-Oct-2007	Send Parts	Parts Sent	Shigehisa MARUYAMA-NA	NNA	Jessica MARTIN		
29-Oct-2007	Confirm Receipt	Closed	Jessica MARTIN	NNA-C			

Project Supplement

Reference # : NA-PS-2008-01049 Status : Closed

Target : Responsible : (--)

Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Supplement function	: Update Project fields	Restricted Access	:
Model year	:	Taskforce report	: No
Priority explanation	:	Facilitator	:
Priority justification	:		
Model	:	Local reference nr	:
		Engine type	:
System	:	Transmission type	:
Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: Warning Light On: Brake/ABS
Concern ranking:		Number of buy-back cases	:
Total warranty cost	:	Number of claims	:
Cost per claim	:	Estimated incident ratio	:

Analysis conditions :

Q-Start Date :
Q-Start Time :
Q1 End date :
Q1 End Time :
Q2 End Date :
Q2 End Time :

Start & End time Format: HH:MM (where applicable)

General comments :

Related documents

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Related Documents

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Hoyt SMITH
Authors : NONE
Readers : GCP_NA_NNA_PEI
Hoyt SMITH
GCP_PI
GCP_NONMARKET
GCP_NA_NNA_PEI

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
02-Dec-2008	Save	Draft	Hoyt SMITH	NNA	Hoyt SMITH		

02-Dec-2008	Close	Closed	Hoyt SMITH	NNA

ARCHIVE ARCHIVE ARCHIVE ARCHIVE ARCHIVE ARCHIVE

Project Supplement

Reference # : NA-PS-2008-00644 Status : Closed

Target : Responsible : (--)

Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Supplement function	: Update Project fields	Restricted Access	:
Model year	:	Taskforce report	: No
Priority explanation	:	Facilitator	:
Priority justification	:		
Model	:	Local reference nr	:
		Engine type	:
System	:	Transmission type	:
Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: Warning Light On: Brakes/ABS
Concern ranking:		Number of buy-back cases	:
Total warranty cost	:	Number of claims	:
Cost per claim	:	Estimated incident ratio	:

Analysis conditions :

Q-Start Date :
Q-Start Time :
Q1 End date :
Q1 End Time :
Q2 End Date :
Q2 End Time :

Start & End time Format: HH:MM (where applicable)

General comments :

Related documents

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Related Documents

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Hoyt SMITH
Authors : NONE
Readers : GCP_NA_NNA_PEI
Hoyt SMITH
GCP_PI
GCP_NONMARKET
GCP_NA_NNA_PEI

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
11-Nov-2008	Save	Draft	Hoyt SMITH	NNA	Hoyt SMITH		

11-Nov-2008	Close	Closed	Hoyt SMITH	NNA

ARCHIVE ARCHIVE ARCHIVE ARCHIVE ARCHIVE ARCHIVE

Preliminary Investigation Request

Reference #	: NA-PIR-2007-00561	Status	: Closed
Target	:	Responsible	: (--)
Subject	: 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP		

General

Classification code	:		
C-Speed Leadtime	:	LT updated on	:
Request type	: PIR - Preliminary Investigation Request		
Priority	: M -Normal	Engine type	:
Model	: A60	Transmission type	:
Restricted Access	:	Res. Department	:
Joint Analysis	: No	Res. Company	:
	:	Market	:
Concern details	: 127 RAN CONSULT-VEH HAD STORED CODE U1001-CAN COMMUNICATIONS FAILURE. TRACED CHASSIS WIRING HARNESS [8 ABS C/Units have been handed over to supplier]		
TaskForce Report	: Yes		
PI Request	: - Please follow-up the supplier to detail investigation for 8 sets of ABS units. - Please provide FQI with investigation results. - Please inform FQI of countermeasure information, if you get.		
Pre-select Destination	:		

Related documents

Project Integration Candidate	:	
Link to project	: NA-PRO-2007-01452	2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Related Documents

CD	Status	Status Date	Target	Responsible	Related REQ#
NA-CD-2007-00831	Closed	06-Nov-2007		-	NA-PIR-2007-00561
ADR	**Status**	**Status Date**	**Target**	**Responsible**	**Related CD#**
NA-ADR-2007-00516	Closed	30-Nov-2007		-	NA-CD-2007-00831
NA-ADR-2007-00515	Closed	19-Nov-2007		-	NA-CD-2007-00831

File Attachment	Attachment Type	Attachment Description
Open	PDF	8D From Supplier
Open	EX	Parts Spreadsheet Revised from Supplier

Open WD Executive summary for X61A - ABS C/Unit

Adoption data

CD#	Plant	CM Type	Model	Model	VIN	VIN	Brand	Adoption
CONFIDENTIAL BUSINESS INFORMATION								

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	:

Reply

Details

Relevant for recurrence prevention : Yes

Investigation results :

Incident duplication results :

Root cause : 5 units listed on attached spreadsheet. 1 parts was submitted to the supplier for investigation. 5N1BA08D28N604804 was noted as a capacitor issue with 8D attached.

First Aid Countermeasure :

Temporary Countermeasure :

Permanent Countermeasure :

Conclusion CONFIDENTIAL BUSINESS INFORMATION

Supplier 1 Request investigation? :

Supplier 2 Request investigation? :

Is / Is not analysis

	Is	Is not
What	:	
Where	:	
When	:	
Extent	:	

Workflow & History

Cross-regional

PI Responsible person :

Security

	Region	Organisation	Department	Name	Role
Responsible	:				

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Shigehisa MARUYAMA-NA
Authors : NONE
Readers : GCP_NA_NNA_PEI
Shigehisa MARUYAMA-NA
GCP_NONMARKET
GCP_PI
Jessica MARTIN
GCP_NA_NNA-C_PQA
GCP_NA_NNA_PEI

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
08-Oct-2007	Save	Draft	Shigehisa MARUYAMA-NA	NNA	Shigehisa MARUYAMA-NA		
10-Oct-2007	Request Approval	Awaiting Approval	Shigehisa MARUYAMA-NA	NNA	Koji MATSUZAWA-NA		
10-Oct-2007	Reassign	Awaiting Approval	Koji MATSUZAWA-NA	NNA	Jim BLENKARN		
12-			Jim		Jessica		

Oct-2007	Assign	Assigned	BLENKARN	NNA	MARTIN	
17-Oct-2007	Request Investigation	Investigation	Jessica MARTIN	NNA-C	Lou Credle	Jessica MARTIN
05-Nov-2007	Close Investigation	Assigned	Jessica MARTIN	NNA-C	Jessica MARTIN	
06-Nov-2007	Close	Public	Jessica MARTIN	NNA-C	Shigehisa MARUYAMA-NA	
15-Nov-2007	Close	Closed	Shigehisa MARUYAMA-NA	NNA		

Comments

Send Prior Notification to
User 1 : Stan SWARTFIGUER(NA-NNA-PEI)
User 2 :
User 3 :
User 4 :
User 5 :
User 6 :
Pre-Notified : ()

Countermeasure Data

Reference # : NA-CD-2007-00831 Status : Closed
Target : Responsible : (--)
Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Design note data

Model : A60
C/M type :
% Effectiveness :
Restricted Access :

	Principle DN	D/N 2	D/N 3	D/N 4	D/N 5
DN #	:				
DN issue section	:				
DN issue date	:				
Planned adoption date	:				
Change of cost	:				
Change of weight	:				

Pre-select Destination :

PCN Judgement : No
Reason :

Related documents

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP
Link to Parent : NA-PIR-2007-00561 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Related Documents

ADR	Status	Status Date	Target	Responsible	Related CD#
NA-ADR-2007-00516	Closed	30-Nov-2007		-	NA-CD-2007-00831
NA-ADR-2007-00515	Closed	19-Nov-2007		-	NA-CD-2007-00831

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date

CONFIDENTIAL BUSINESS INFORMATION

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660-ZC32C
SM category	: BRV -VDC (Dynamics Control-ABS/TCS)	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	:

Countermeasure details

Root cause reference	: 5 units listed on attached spreadsheet. 1 parts was submitted to the supplier for investigation. 5N1BA08D28N604804 was noted as a capacitor issue with 8D attached.
Countermeasure Details	:
Verification of C/M	:
Horizontal deployment model	:
Horizontal deployment (Q6)	:
Horizontal deployment	:
Recurrence prevention (Q5)	:
Recurrence prevention	:
Service notification	:
Corrective actions	: CONFIDENTIAL BUSINESS INFORMATION [redacted]
Materials	:
Load	:
Manufacturing method	:
Comments	:

Countermeasure parts

	Part 1	Part 2	Part 3	Part 4
Part name	:			
New part #	:			
Old part #	:			
Supplier	:			
Supersession instruction	:			

	Part 5	Part 6	Part 7	Part 8
Part name	:			
New part #	:			
Old part #	:			
Supplier	:			
Supersession instruction	:			

	Part 9	Part 10	Part 11	Part 12
Part name	:			
New part #	:			
Old part #	:			
Supplier	:			
Supersession instruction	:			

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible	:				

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Jessica MARTIN
Authors : NONE
Readers : GCP_NA_NNA-C_PQA
Jessica MARTIN
GCP_NA_NONMARKET
GCP_PI
GCP_NONMARKET
GCP_NA_NNA-C_PQA

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
06-Nov-2007	Request Approval	Awaiting Approval	Jessica MARTIN	NNA-C	Jessica MARTIN		

06-Nov-2007	Assign to window	In Process	Jessica MARTIN	NNA-C	Jessica MARTIN
06-Nov-2007	Close	Closed	Jessica MARTIN	NNA-C	

Send Prior Notification to
User 1 :
User 2 :
User 3 :

ARCHIVE

Adoption Data Request

Reference # : NA-ADR-2007-00516 Status : Closed

Target : Responsible : (--)

Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Adoption Type : Part adoption

Model : A60; JA60; TA60

Request for :

Relevant plants : NNA-C (Jessica MARTIN)
NNA-C (Brad LOWE)

Background

Countermeasure details : CONFIDENTIAL BUSINESS INFORMATION [redacted]

	Principle DN	D/N 2	D/N 3	D/N 4	D/N 5
DN #	:				
DN issue date	:				

Part / Unit C/M details request

C/M lot nr :

Unit model :

C/M unit nr :

C/M date of part / unit :

RAN nr :

Related documents

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Link to Parent : NA-CD-2007-00831 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date
No Adoption Data found								

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Brad LOWE
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Shigehisa MARUYAMA-NA GCP_PI GCP_NONMARKET GCP_NA_NNA-C_PQA

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
07-Nov-2007	(Request Adoption Adoption)	Adoption Requested	Shigehisa MARUYAMA-NNA NA		Brad LOWE		
30-Nov-2007	Close	Closed	Brad LOWE	NNA-C			

Adoption Data Request

Reference # : NA-ADR-2007-00515 Status : Closed

Target : Responsible : (--)

Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Adoption Type : Part adoption

Model : A60; JA60; TA60

Request for :

Relevant plants : NNA-C (Jessica MARTIN)
NNA-C (Brad LOWE)

Background

Countermeasure details : CONFIDENTIAL BUSINESS INFORMATION [redacted]

Principle DN D/N 2 D/N 3 D/N 4 D/N 5

DN # :

DN issue date :

Part / Unit C/M details request

C/M lot nr :

Unit model :

C/M unit nr :

C/M date of part / unit :

RAN nr :

Related documents

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Link to Parent : NA-CD-2007-00831 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date
CONFIDENTIAL BUSINESS INFORMATION [redacted]								

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible	:				

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Jessica MARTIN
Authors : NONE
Readers : GCP_NA_NNA_PEI
Shigehisa MARUYAMA-NA
GCP_PI
GCP_NONMARKET
GCP_NA_NNA-C_PQA

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
07-Nov-2007	Save	Draft	Shigehisa MARUYAMA-NNA NA		Shigehisa MARUYAMA-NA		
07-Nov-2007	Request Adoption	Adoption Requested	Shigehisa MARUYAMA-NNA NA		Jessica MARTIN		
19-Nov-2007	Close	Closed	Jessica MARTIN	NNA-C			

Adoption Data

Reference # : NA-AD-2007-01036 Status : Closed

Target : Responsible : (--)

Subject : 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

General

Plant : Canton

C/M type	Model	Model Year	VIN nr	VIN type / line #	Brand	Adoption date
CONFIDENTIAL BUSINESS INFORMATION						

Related documents

Link to project : NA-PRO-2007-01452 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Link to Parent : NA-ADR-2007-00515 2008MY X61A(J/T/A60) ABS lights ON - expected C/Unit internal INOP

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :

Archive Date :

Current user : Jessica MARTIN

Authors : NONE

Readers	:	GCP_PI GCP_NA_NONMARKET GCP_NA_NNA-C_PQA Jessica MARTIN

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
19-Nov-2007	Close	Closed	Jessica MARTIN	NNA-C			
15-Jan-2009	Save	Closed	Steve LOWRY	NNA			added Plant from VIN



Project Report

Project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Contents:

PRO	Status	Status Date	Target	Responsible		
	NA-PRO-2011-01246	Closed	09-Jan-2012		-	
MREP	Status	Status Date	Target	Responsible		
	NA-MREP-2012-00088	Closed	09-Jan-2012		-	
TR	Linked	Country	Author	Subject		
	NA-TR-2011-01016	09-Jan-2012		-	2011 Z51 Murano brake pedal sinks to floor, ABS Controller	
IPS	Status	Status Date	Target	Responsible		
	NA-IPS-2011-01285	Closed	02-Aug-2011		-	
	NA-IPS-2011-01208	Closed	06-Jun-2011		-	
REQ	Status	Status Date	Target	Responsible		
	NA-PIR-2011-00309	Closed	06-Oct-2011		-	
CD	Status	Status Date	Target	Responsible	Related REQ#	
	JP-CD-2011-01134	Closed	05-Oct-2011		-	NA-PIR-2011-00309
ADR	Status	Status Date	Target	Responsible	Related CD#	
	JP-ADR-2011-00558	Closed	20-Dec-2011		-	JP-CD-2011-01134
AD	Status	Status Date	Target	Responsible		
	JP-AD-2011-01842	Closed	20-Dec-2011		-	

Project

Reference # : NA-PRO-2011-01246 Status : Closed
Target : Responsible : (--)
Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

General

Priority	: I -Important	Taskforce report	: No
Priority explanation	:	Restricted Access	:
Priority justification	:		
Model	: Z51	Local reference nr	:
		Engine type	: VQ35
Model year	: 2011	Transmission type	: A
System	: Chassis		
Facilitator	:		
Q-Start Date	:	Q1 End date	:
Q-Start Time	:	Q1 End Time	:
		Q2 End Date	:
		Q2 End Time	:

Start & End time Format: HH:MM (where applicable)

Related documents

Related Documents

MREP	Status	Status Date	Target	Responsible
NA-MREP-2012-00088	Closed	09-Jan-2012		-

TR	Linked	Country	Author	Subject
NA-TR-2011-01016	07-Jun-2011	U.S.A.	Charles SEYMOUR - NA-TSM-ALL	2011 Z51 Murano brake pedal sinks to floor, ABS Controller

IPS	Status	Status Date	Target	Responsible
NA-IPS-2011-01285	Closed	02-Aug-2011		-
NA-IPS-2011-01208	Closed	06-Jun-2011		-

REQ	Status	Status Date	Target	Responsible
NA-PIR-2011-00309	Closed	06-Oct-2011		-

CD	Status	Status Date	Target	Responsible	Related REQ#
JP-CD-2011-01134	Closed	05-Oct-2011		-	NA-PIR-2011-00309

ADR	Status	Status Date	Target	Responsible	Related CD#
JP-ADR-2011-00558	Closed	20-Dec-2011		-	JP-CD-2011-01134

File Attachment	Attachment Type	Attachment Description	Parent Reference

Open	WD	11MY Murano (Z51) Brk Pedal Sinks to Floor - Incident Summary	NA-PIR-2011-00309
Open	EX	Investigation result reply sheet (plant)	NA-PIR-2011-00309
Open	TX	Password to open suplier report	NA-PIR-2011-00309
Open	PDF	Part investigation report (supplier)	NA-PIR-2011-00309
Open	Vid	Video showing brake pedal sinking under moderate pressure. Engine running, fluid level full, no external fluid leaks visible	NA-TR-2011-01016
Open	Vid	Incident Duplication Video	NA-PIR-2011-00309
Open	EX	Z51 Warranty Verbatim - Pedal to Floor Investigation	NA-PIR-2011-00309

AD	Status	Status Date	Target	Responsible
JP-AD-2011-01842	Closed	20-Dec-2011		-

Executive Summary Images
Picture #1 :
Picture #2 :

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date
CONFIDENTIAL BUSINESS INFORMATION								

Incident details

Date of first incident :

Is / Is not analysis

	Is	Is not
What	:	
Where	:	
When	:	
Extent	:	

Customer complaint : Customer states the brake pedal feels mushy when braking at a stop

Details of concern : 1.how did the customer notice the incident
Brake pedal sinks to 1" before floor before brakes apply

2.What are the incident conditions

3.Inspection done & result
Technician confirmed customer's incident conditions of mushy pedal feel.
TSM observed no warning lights illuminated on meter
TSM inspected vehicle for visual signs of fluid leakage- None found
TSM confirmed brake fluid level in reservoir was full.
TSM inspected vehicle and duplicated the customers incident

conditions with the engine running. (video)
TSM observed the brake pedal would sink to approximately 25mm from floor before a solid pedal feel was felt.
Application of the throttle when the brake pedal was fully depressed did not result in movement the vehicle in F or R.
TSM recommended replacement of brake master cylinder and booster assembly. Incident remains after replacement.
TSM confirmed technician did NOT use a pressure bleeder on the system when repairs were performed.
TSM recommended replacement of ABS control unit - Incident conditions have been resolved.
ABS controller collected for inspection by engineering.

Incident conditions :

Investigation results :

Repairs done & results : 1. Repairs done
ABS controller replaced, brake system bled of air, fluid levels checked.
Brake pedal height is consistent with KGV
Vehicle road tested - OK

2. Results
Incident conditions resolved.

Reported VINs: 1

VIN	TR/FIR Source	Production Date	Sold Date	Incident Date	Mileage	Engine	Transmission
JN8AZ1MW3BW159596	U.S.A.	27-Oct-2010	4 -Apr-2011	16-May-2011	946 Miles	VQ35	A

Parts details

Part nr	Part name	Supplier	Quantity available
1.47660-1SW0B	ABS Controller/Actuator		1
2.			
3.			
4.			

Warranty data

Concern ranking: Number of buy-back cases :

Total warranty cost : Number of claims :

Cost per claim : Estimated incident ratio :

Analysis conditions :

Relevant PNC-Tag Pairs E.g.:79905-KQ7 (separate : 47600-KMM

with ';')

Warranty reduction data

	Warranty cost	Number of claims
Total	:	
Sold	:	
Selling	:	
1 yr total	:	
1 yr sold	:	
1 yr selling	:	

Detailed warranty data

Model	:	Type	:
Engine	:	Transmission	:
Cost per vehicle	:	Incident ratio	:

Survey related

IQS4 question nr	:	JD Power	:
APEAL question nr	:		

Archive

FES engineer	:
File location / number	:
Project start date	:
Close date	: 09-Jan-2012
Last correspondence	:
Destroy date	:

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: DE -brake pedal height change	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.00

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible	:				

Sharing : No

Admin only

Deadline date	:	
Archive Date	:	09-Jan-2019
Current user	:	Keith SWAN
Authors	:	NONE
Readers	:	GCP_PI GCP_NONMARKET Keith SWAN GCP_NA_NNA_PEI NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
07-Jun-2011	Publish	Public	Keith SWAN	NNA	Keith SWAN		
09-Jan-2012	(Close by MREP)	Closed	Keith SWAN	NNA			

Comments

Market Reply

Reference # : NA-MREP-2012-00088
Status : Closed
Target :
Responsible : (--)
Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

General

Reply Type	: Final reply	TSB Issue or Not	: No
Model	: Z51	TSB No.	:
Model year	: 2011	TSB Issue Date	:
System	: Chassis	Reason Why TSB Not Issued	: 1 -Appropriate field fix repair has been already guided.
Engine type	: VQ35	TSB Reminder Date	:
Transmission type	: A		
TR/PRO result	: Countermeasure		
Restricted Access	:		
C/M Effectiveness Check	: No		
C/M Effectiveness check Date	:		

Details of Concern

1.how did the customer notice the incident

Brake pedal sinks to 1" before floor before brakes apply

2.What are the incident conditions

3.Inspection done & result

Technician confirmed customer's incident conditions of mushy pedal feel.
TSM observed no warning lights illuminated on meter
TSM inspected vehicle for visual signs of fluid leakage- None found
TSM confirmed brake fluid level in reservoir was full.
TSM inspected vehicle and duplicated the customers incident conditions with the engine running. (video)
TSM observed the brake pedal would sink to approximately 25mm from floor before a solid pedal feel was felt.
Application of the throttle when the brake pedal was fully depressed did not result in movement the vehicle in F or R.
TSM recommended replacement of brake master cylinder and booster assembly. Incident remains after replacement.
TSM confirmed technician did NOT use a pressure bleeder on the system when repairs were performed.
TSM recommended replacement of ABS control unit - Incident conditions have been resolved.
ABS controller collected for inspection by engineering.

Investigation Results & root causes

Investigation Results:

Supplier:Continental Teves Co. P/N: 47660-1SW0A
P/Name: Actuator & ECU ASSY-ANTI SKID

[redacted] Offline:27-Oct-2010 Sold: 4-Apr-2011 Incident:16-May-2011
Milage: 946 Miles

Customer states the brake pedal feels mushy when braking at a stop.
Incident was resolved after replacement of the ABS C/U.

1)At normal pressure : Leakage was found from NC valve for RR brake.
2)Measurement of electric power of operating valve : Abnormal value was found from NC valve for RR brake. (Other valves were OK)
3)ABS operation test : NG of reducing pressure performance on RR brake.
Results, increasing pedal stroke was caused by faulty operation of NC valve (RR brake).

Some contamination might be in NC valve.

1) Cutting above N.C valve, take out internal parts from parts.
2) Cleaning internal parts and residual fluid by alcohol.
Filtration of cleaning requid to collect the contamination.
3) Results, No contamination and no damage on internal parts.
No contamination in the all path of ACTR.

Production date of valve : 2010/10/17 No abnormal condition (Passed on the

first try)
Production date of ACTR : 2010/10/23 No abnormal condition (Passed function test on the first try)

Root cause was not found from investigation results.
However, a contamination might cause the faulty operation of NC valve (RR brake).

1 To add alcohol cleaning of parts feeder : 2011.9
2 To increase frequency of facility cleaning (1 time/day to 3 times/day) : 2011.8.22
3)To feedback above countermeasures to "Cleaning planning Sheet" : 2011. 8. 27

4)To conduct special control of valve cleanness at plant QA.(tear down inspection) :8/22 9/end)

Root cause:
Internal leakage at NC valve due to contamination.

Conclusions

CONFIDENTIAL BUSINESS INFORMATION

[redacted]

Related documents

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller
Priority: I -Important

Related Documents

TR	Linked	Country	Author	
NA-TR-2011-01016	09-Jan-2012	U.S.A.	Charles SEYMOUR - NA-TSM-	2011 Z51 Murano brake pedal sinks to floor, ABS Controller

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: DE -brake pedal height change	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.00

Countermeasures

CONFIDENTIAL BUSINESS INFORMATION

[redacted]

Parts info

	Part 1	Part 2	Part 3	Part 4
Part name	:			
New #	:			
Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

	Part 5	Part 6	Part 7	Part 8
Part name	:			
New #	:			

Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

	Part 9	Part 10	Part 11	Part 12
Part name	:			
New #	:			
Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Keith SWAN
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Keith SWAN GCP_NA_NSC GCP_PI GCP_NONMARKET NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
09-Jan-2012	Request Approval	Awaiting Approval	Keith SWAN	NNA	Keith SWAN		
09-Jan-2012	Close as final	Closed	Keith SWAN	NNA			

Send Prior Notification to
User 1 :
User 2 :
User 3 :
User 4 :
User 5 :
User 6 :
Pre-Notified : ()

ARCHIVE

Technical Report

Reference # : NA-TR-2011-01016 Status : Closed
Target : Responsible : (--)
Subject : 2011 Z51 Murano brake pedal sinks to floor, ABS Controller

General

Local reference#	: CS-11-081	AuthorNSC	: Charles SEYMOUR
Priority	: H -High Priority	Author organisation	: TSM
Request	: PI -Part Investigation	Originating country	: U.S.A.
		Destination region	: NA -North America
Taskforce report	No	Restricted Access	:
Model	: Z51	Source of information	: Vehicle Evaluation (w/o customer)
		Customer impact	: H -High Impact
Model year	: 2011	F1 cause	:
Priority & request comments	:		

VIN	: JN8AZ1MW3BW[redacted]	Production date	: 27-Oct-2010
Basic model	: MUR	Sold date	: 4 -Apr-2011
Prefix	:	Engine type	: VQ35
Suffix	:	Engine nr	: 454202
Serial nr	:	Transmission type	: A
Vehicle type	:	Transmission nr	:
Plant code	: W		

Related documents

Link to project	: NA-PRO-2011-01246	2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller
Link to Market Reply	: NA-MREP-2012-00088	2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

:

Related Documents

IPS	Status	Status Date	Target	Responsible
NA-IPS-2011-01208	Closed	06-Jun-2011	-	

File Attachment	Attachment Type	Attachment description
Open	Vid	Video showing brake pedal sinking under moderate pressure. Engine running, fluid level full, no external fluid leaks visible

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660-1SW0B
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: DE -brake pedal height change	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	:
Tread code	: 03 -Brakes-Service	F, s, s, s	: No

Incident details

Incident mileage	: 946 Miles	Date of incident	: 16-May-2011
Country or town of incident	: Alexandria, VA		
Dealer code	: 3497	Dealer issue date	:
Dealer name	: Passport Nissan		

Customer complaint : Customer states the brake pedal feels mushy when braking at a stop

Details of incident : 1.how did the customer notice the incident
Brake pedal sinks to 1" before floor before brakes apply

2.What are the incident conditions

3.Inspection done & result
Technician confirmed customer's incident conditions of mushy pedal feel.
TSM observed no warning lights illuminated on meter
TSM inspected vehicle for visual signs of fluid leakage- None found

TSM confirmed brake fluid level in reservoir was full.
TSM inspected vehicle and duplicated the customers incident conditions with the engine running. (video)
TSM observed the brake pedal would sink to approximately 25mm from floor before a solid pedal feel was felt.
Application of the throttle when the brake pedal was fully depressed did not result in movement the vehicle in F or R.
TSM recommended replacement of brake master cylinder and booster assembly. Incident remains after replacement.
TSM confirmed technician did NOT use a pressure bleeder on the system when repairs were performed.
TSM recommended replacement of ABS control unit - Incident conditions have been resolved.
ABS controller collected for inspection by engineering.

Repairs done & results : 1. Repairs done
ABS controller replaced, brake system bled of air, fluid levels checked.
Brake pedal height is consistent with KGV
Vehicle road tested - OK

2. Results
Incident conditions resolved.

Vehicle details

VIN	: JN8AZ1MW3BW159596	Engine type	: VQ35
Basic model	: MUR	Engine nr	: 454202
Prefix	:	Transmission type	: A
Suffix	:	Transmission nr	:
Serial nr	:	Body type	:
Vehicle type	:	Grade	:
Plant code	: W	Airbag	: YES
Production date	: 27-Oct-2010	ABS	: NO
Sold date	: 4 -Apr-2011	Air conditioning	: NO
Registration nr	:	Color code	: AX5
Customer name	: YEMANE MUSSENA	Truck features	:
DC Converter No	:	Inverter No	:
PBW ECU No	:	Battery Pack No	:
On Board Charge No	:	Electric PKB ECU No	:
Electric PKB ATR No	:	Electric Heater Unit No	:

Parts details

Part nr	Part name	Supplier	Quantity available
1.47660-1SW0B	ABS Controller/Actuator		1
2.			
3.			
4.			

Estimates & Survey

NSC Estimates

Incident ratio :
Cost of repair :
Average mileage :

Survey

IQS4 question nr : RH05 - Ride&Handling- Brake pedal feels mushy/soft
JD Power :
APEAL question nr : RHB03 -Brakes- Overall rating

Archive

Destroy date :

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :
Archive Date : 07-Jun-2018

Current user : Keith SWAN
Authors : ___
Readers : Charles SEYMOUR
GCP_NA_TSM_ALL
Keith SWAN

Keith SWAN
GCP_NA_NSC
GCP_NA_PI
GCP_PI_MGR
GCP_NA_NONMARKET
GCP_JP_PI
GCP_NA_NNA_PEI
GCP_PI
GCP_NONMARKET
NONE

Bring to the attention of
User 1 : Keith SWAN(NA-NNA-PEI)
User 2 :
User 3 :
User 4 :
User 5 :
User 6 :

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
19-May-2011	Save	Draft	Charles SEYMOUR	TSM	Charles SEYMOUR		
27-May-2011	Request Approval	Awaiting Approval	Charles SEYMOUR	TSM	Jerry PUETZ NSC		
27-May-2011	Publish	Public	Jerry PUETZ NSC	TSM	Rob PAYNE		
31-May-2011	Reassign	Public	Rob PAYNE	NNA	Keith SWAN		
07-Jun-2011	(Link to Project from Project)	Linked	Keith SWAN	NNA	Keith SWAN		NA-PRO-2011-01246
09-Jan-2012	(close by MREP)	Closed	Keith SWAN	NNA			

Incident Parts Shipment

Reference # : NA-IPS-2011-01285 Status : Closed
Target : Responsible : (--)
Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

General

Model : Z51

Comments :

General

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Related Documents

Shipment information

Shipment 1
Parts sent date : 06-Jun-2011 Parts received date : 09-Jul-2011

Shipping method : Air Airway bill nr : 797172036597
Courier company : FedEx

Shipment 2
Parts sent date : Parts received date :

Shipping method : Airway bill nr :
Courier company :

Shipment 3
Parts sent date : Parts received date :

Shipping : Airway bill nr :

method		
Courier company	:	

Parts information

Final parts destination	:	Contact Person	Kouichi Oyama
		Telephone Number	046-270-3859
Parts delivery address	:	Company Name	NISSAN MOTOR CO. Ltd.
		Street & number	560-2 Okatsukoku
		City	Atsugi-shi
		District	Yokohama-shi
		Postal Code	243-0192
		Country	jp -Japan

Pickup Territory :

Purpose of parts:

	Part nr	Part name	Supplier	Lot nr	Quantity requested	Quantity sent
1.	47660-1SW0B	ABS Controller/Actuator			1	
2.						
3.						
4.						

	VIN number	Repair date	PFP	Contact person	Dealer code
1.					
2.					
3.					
4.					
5.					
6.					

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Kouichi OYAMA
Authors : NONE
Readers : GCP_USERS
Keith SWAN
GCP_JP_NML_CEQ
NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
07-Jun-2011	Send Parts	Parts Sent	Keith SWAN	NNA	Kouichi OYAMA		
02-Aug-2011	Confirm Receipt	Closed	Kouichi OYAMA	NML			

Incident Parts Shipment

Reference # : NA-IPS-2011-01208 Status : Closed
Target : Responsible : (--)
Subject : 2011 Z51 Murano brake pedal sinks to floor, ABS Controller

General

Model : Z51

Comments :

General

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller
Link to Parent : NA-TR-2011-01016 2011 Z51 Murano brake pedal sinks to floor, ABS Controller

Related Documents

Shipment information

Shipment 1
Parts sent date : 01-Jun-2011 Parts received date : 06-Jun-2011

Shipping method : Courier Airway bill nr : 7948 1678 6682
Courier company : FedEx

Shipment 2
Parts sent date : Parts received date :

Shipping method : Airway bill nr :
Courier company :

Shipment 3
Parts sent date : Parts received date :

Shipping method	:	Airway bill nr	:
Courier company	:		

Parts information

Final parts destination	:	Contact Person	Keith Swan
		Telephone Number	
Parts delivery address	:	Company Name	Nissan - Field Quality Center (MI)
		Street & number	39001 Sunrise Drive
		City	Farmington Hills
		District	Michigan
		Postal Code	48331
		Country	us -U.S.A.

Pickup Territory :

Purpose of parts:

	Part nr	Part name	Supplier	Lot nr	Quantity requested	Quantity sent
1.	47660-1SW0B	ABS Controller/Actuator			1	1
2.						
3.						
4.						

	VIN number	Repair date	PFP	Contact person	Dealer code
1.					
2.					
3.					
4.					
5.					
6.					

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Keith SWAN
Authors	:	NONE
Readers	:	GCP_NA_TSM_ALL Charles SEYMOUR GCP_USERS GCP_NA_NNA_PEI NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
27-May-2011	Save	Draft	Charles SEYMOUR	TSM	Charles SEYMOUR		
02-Jun-2011	Send Parts	Parts Sent	Charles SEYMOUR	TSM	Keith SWAN		
06-Jun-2011	Confirm Receipt	Closed	Keith SWAN	NNA			

Preliminary Investigation Request

Reference # : NA-PIR-2011-00309 Status : Closed
Target : Responsible : (--)
Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

General

C-Speed Leadtime	:	LT updated on	:
Request type	: PIR - Preliminary Investigation Request		
Priority	: I -Important	Engine type	: VQ35
Model	: Z51	Transmission type	: A
Restricted Access	:	Res. Department	: MFG
Joint Analysis	: No	Res. Company	: NML -Nissan Motor Co.,Ltd
	:	Market	: North America

Concern details : Subject:
2011MY Murano (Z51) – Brake Pedal Sinks to Floor [ABS C/U]

Incident Description:
Customer states the brake pedal feels mushy when braking at a stop.

Investigation Results:
TSM Charlie Seymour performed the inspection with dealer technician:
1. Brake pedal feel was confirmed in customer vehicle (see video attached to GCAR). Brake pedal would sink to approximately 25mm from floor before a solid pedal was felt. Apply the throttle with the brake pedal fully depressed did not result in movement of the vehicle (brakes were engaged).
2. No warning lights were illuminated on meter
3. No evidence of fluid leakage was found.
4. Brake fluid level in master cylinder reservoir was full
5. TSM first recommended replacement of the master cylinder and booster assembly. Incident conditions remained after master cylinder and booster were replaced.
6. TSM then recommended replacement of the ABS C/U. Incident was resolved.
7. ABS C/U from vehicle VIN#JN8AZ1MW3BW[redacted]6 was collected and subsequently shipped to NML for evaluation.

Key Duplication Conditions:
ABS C/U from incident vehicle was installed on a known good vehicle. Customer complaint conditions followed the incident part. See video attached to GCAR for incident duplication demonstration.

Incident Magnitude:
• Claim Count:
o Four customer complaints of "pedal to floor" or "low pedal"

were identified in the warranty data for PNC 47600.
o 2009MY = 3; 2011MY = 1
• Current 3MIS = 0.00%

C-Start Date & Explanation:
This is an "I" rank PIR; C-Speed does not apply.

PIR % Coverage of Customer Concern:
[1%] This PIR covers 1% of warranty related to PNC 47600 based on warranty verbatim analysis.

Incident Part Shipment / Contact Info:
Incident part shipped to the attention of Kouichi Oyama.
Shipment Date: 01-June-2011
Shipment Arrival: 13-June-2011
FedEx Tracking #: [redacted]
GCARS Tracking: NA-IPS-2011-01208

Supporting Data Attachments:
1. 11MY Murano (Z51) Brk Pedal Sink to Floor - Incident Summary (DOC)
2. Z51 Warranty Verbatim - Pedal to Floor Investigation (XLS)
3. Incident Duplication video (WMV)

TaskForce Report : No

PI Request : Please investigate the root cause of the ABS C/U allowing the brake pedal travel to approximately 25mm from the floor. Please provide investigation report, countermeasure details, estimation of countermeasure effectiveness and recurrence prevention plan (if applicable).

Pre-select Destination :

Related documents

Project Integration Candidate :

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Related Documents

CD	Status	Status Date	Target	Responsible	Related REQ#
JP-CD-2011-01134	Closed	05-Oct-2011		-	NA-PIR-2011-00309

ADR	Status	Status Date	Target	Responsible	Related CD#
JP-ADR-2011-00558	Closed	20-Dec-2011		-	JP-CD-2011-01134

File Attachment	Attachment Type	Attachment Description
Open	WD	11MY Murano (Z51) Brk Pedal Sinks to Floor - Incident Summary
Open	EX	Investigation result reply sheet (plant)
Open	TX	Password to open suplier report
Open	PDF	Part investigation report (supplier)
Open	Vid	Incident Duplication Video
Open	EX	Z51 Warranty Verbatim - Pedal to Floor Investigation

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date
CONFIDENTIAL BUSINESS INFORMATION								

Coding block

Unit code	: DCH_Brakes -Brakes	PFP	: 47660
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: DE -brake pedal height change	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.00

Reply

Details

Relevant for recurrence prevention : Yes

Investigation results :

Supplier:Continental Teves Co. P/N: 47660-1SW0A
P/Name: Actuator & ECU ASSY-ANTI SKID

C/#: [redacted] Offline:27-Oct-2010 Sold: 4-Apr-2011 Incident:16-May-2011
Milage: 946 Miles

Customer states the brake pedal feels mushy when braking at a stop.
Incident was resolved after replacement of the ABS C/U.

1)At normal pressure : Leakage was found from NC valve for RR brake.
2)Measurement of electric power of operating valve : Abnormal value was found from NC valve for RR brake. (Other valves were OK)
3)ABS operation test : NG of reducing pressure performance on RR brake.
Results, increasing pedal stroke was caused by faulty operation of NC valve (RR brake).

Some contamination might be in NC valve.

1) Cutting above N.C valve, take out internal parts from parts.
2) Cleaning internal parts and residual fluid by alcohol.
Filtration of cleaning requid to collect the contamination.
3) Results, No contamination and no damage on internal parts.
No contamination in the all path of ACTR.

Production date of valve : 2010/10/17 No abnormal condition (Passed on the first try)
Production date of ACTR : 2010/10/23 No abnormal condition (Passed function test on the first try)

Root cause was not found from investigation results.
However, a contamination might cause the faulty operation of NC valve (RR brake).

1 To add alcohol cleaning of parts feeder : 2011.9
2 To increase frequency of facility cleaning (1 time/day to 3 times/day) : 2011.8.22
3)To feedback above countermeasures to "Cleaning planning Sheet" : 2011. 8. 27

4)To conduct special control of valve cleanness at plant QA.(tear down inspection) :8/22 9/end)

Incident duplication results : Stroke incresing duplicated on simulator at only RR line test. (test of other line (FR,FL,RL) were OK)

Root cause : Internal leakage at NC valve due to contamination.

First Aid Countermeasure :

Temporary Countermeasure :

Permanent Countermeasure :

Conclusion

CONFIDENTIAL BUSINESS INFORMATION

Supplier 1
Request investigation? : Yes
Supplier code : B220 - CONTINENTAL TEVES AG & CO.
Received at supplier : 22-Aug-2011
Supplier reply date : 08-Sep-2011

Supplier 2
Request investigation? : No
Is / Is not analysis

		Is	Is not
What	:		
Where	:		
When	:		
Extent	:		

Workflow & History

Cross-regional

PI Responsible person	:	

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Tom COLE
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Keith SWAN GCP_PI GCP_NONMARKET GCP_NA_NTCNA-AZ_Quality and Reliability GCP_JP_NML_CEQ Takayuki MURAKAMI GCP_JP_Kyushu_Quality Assurance Masanobu BABA GCP_JP_Kyushu_W32 Window NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
14-Jun-2011	Save	Draft	Keith SWAN	NNA	Keith SWAN		
14-Jun-2011	Request Approval	Awaiting Approval	Keith SWAN	NNA	Tom COLE		
15-Jun-2011	Assign	In Process	Tom COLE	NNA	Yoshiaki INOUE		
26-Jul-	Reassign	In Process	Yoshiaki	NML	Kouichi		

2011			INOUE		OYAMA		
01-Aug-2011	Reassign	In Process	Kouichi OYAMA	NML	Kiyoji NAKAYAMA		
01-Aug-2011	Assign	Assigned	Kiyoji NAKAYAMA	NML	Takayuki MURAKAMI		
06-Aug-2011	Assign to window	Assigned to window	Takayuki MURAKAMI	Kyushu	Masanobu BABA		
07-Aug-2011	Request Solution	Solution Development	Masanobu BABA	Kyushu	Syuuji MIENO		
13-Sep-2011	Reassign	Solution Development	Syuuji MIENO	Kyushu	Masanobu BABA		
14-Sep-2011	Request Solution Approval	Solution Development	Masanobu BABA	Kyushu	Ryuichi SETOGUCHI	Masanobu BABA	
14-Sep-2011	Return Solution	Assigned to window	Masanobu BABA	Kyushu	Masanobu BABA		
14-Sep-2011	Return to previous window	Assigned	Masanobu BABA	Kyushu	Takayuki MURAKAMI		
17-Sep-2011	Request Approval	Assigned	Takayuki MURAKAMI	Kyushu	Yuuji HARARA	Takayuki MURAKAMI	
17-Sep-2011	Request Approval	Assigned	Takayuki MURAKAMI	Kyushu	Hiroyuki1 SUZUKI	Takayuki MURAKAMI	
17-Sep-2011	Close	In Process	Takayuki MURAKAMI	Kyushu	Kiyoji NAKAYAMA		
17-Sep-2011	Reassign	In Process	Kiyoji NAKAYAMA	NML	Yoshiaki INOUE		
18-Sep-2011	Reassign	In Process	Yoshiaki INOUE	NML	Kouichi OYAMA		
05-Oct-2011	Reassign	In Process	Kouichi OYAMA	NML	Tsutomu MIYASHITA		
05-Oct-2011	Close	Public	Tsutomu MIYASHITA	NML	Keith SWAN		
05-Oct-2011	Reassign	Public	Keith SWAN	NNA	Tom COLE		
06-Oct-2011	Close	Closed	Tom COLE	NNA			

Comments

Syuuji MIENO **JP_Kyushu_W32 Window** **13-SEP-2011**

Status Comment

Answer post W32
Manager SETOGUCHI RYUICHI 2011/09/12
Charge MIENO SYUUJI 2011/09/12

Send Prior Notification to
User 1 : Tomotaka KAGEYAMA(NA-NNA-PEI)
User 2 : David D'AMATO II(NA-NTCNA-AZ-Quality and Reliability)
User 3 : Rob PAYNE(NA-NNA-PEI)
User 4 :
User 5 :
User 6 :
Pre-Notified : ()

Countermeasure Data

Reference # : JP-CD-2011-01134 Status : Closed
Target : Responsible : (--)
Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Design note data

Model : Z51
C/M type : PCM -Production C/M
% Effectiveness :
Restricted Access :

	Principle DN	D/N 2	D/N 3	D/N 4	D/N 5
DN #	:				
DN issue section	:				
DN issue date	:				
Planned adoption date	:				
Change of cost	:				
Change of weight	:				

Pre-select Destination :

PCN Judgement : No
Reason :

Related documents

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller
Link to Parent : NA-PIR-2011-00309 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Related Documents

ADR	Status	Status Date	Target	Responsible	Related CD#
JP-ADR-2011-00558	Closed	20-Dec-2011		-	JP-CD-2011-01134

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date

CONFIDENTIAL BUSINESS INFORMATION

Coding block

Unit code : DCH_Brakes -Brakes PFP : 47660

SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: DE -brake pedal height change	Ct code	: 32 -internal failure
DTC code	:	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.00

Countermeasure details

Root cause reference	:
Countermeasure Details	:
Verification of C/M	:
Horizontal deployment model	:
Horizontal deployment (Q6)	:
Horizontal deployment	:
Recurrence prevention (Q5)	:
Recurrence prevention	:
Service notification	:
Corrective actions	:
Materials	:
Load	:
Manufacturing method	:
Comments	: Answer post W32 Manager SETOGUCHI RYUICHI 2011/09/12 Charge MIENO SYUUJI 2011/09/12

Countermeasure parts

	Part 1	Part 2	Part 3	Part 4
Part name	:			

		Part 5	Part 6	Part 7	Part 8
New part #	:				
Old part #	:				
Supplier	:				
Supersession instruction	:				

		Part 9	Part 10	Part 11	Part 12
Part name	:				
New part #	:				
Old part #	:				
Supplier	:				
Supersession instruction	:				

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Tsutomu MIYASHITA
Authors : NONE
Readers : GCP_JP_Kyushu_Quality Assurance
Takayuki MURAKAMI
GCP_JP_NONMARKET
GCP_PI
GCP_JP_NML_CEQ
GCP_NONMARKET
NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
17-Sep-2011	Save	Draft	Takayuki MURAKAMI	Kyushu	Takayuki MURAKAMI		
17-Sep-2011	Request Approval Assign	Awaiting Approval	Takayuki MURAKAMI	Kyushu	RYUICHI SETOGUCHI	Takayuki MURAKAMI	

17-Sep-2011	to window	In Process	Takayuki MURAKAMI	Kyushu		Takayuki MURAKAMI	
17-Sep-2011	Request Approval	In Process	Takayuki MURAKAMI	Kyushu		Yuuji HARARA	Takayuki MURAKAMI
17-Sep-2011	Request Approval	In Process	Takayuki MURAKAMI	Kyushu		Hiroyuki1 SUZUKI	Takayuki MURAKAMI
17-Sep-2011	Publish to PI	Public	Takayuki MURAKAMI	Kyushu		Kiyoji NAKAYAMA	
17-Sep-2011	Request Approval	Public	Kiyoji NAKAYAMA	NML		Yoshiaki INOUE	
18-Sep-2011	Request Approval	Public	Yoshiaki INOUE	NML		Kouichi OYAMA	
05-Oct-2011	Request Approval	Public	Kouichi OYAMA	NML		Tsutomu MIYASHITA	
05-Oct-2011	Close	Closed	Tsutomu MIYASHITA	NML			

Send Prior Notification to
User 1 :
User 2 :
User 3 :

Adoption Data Request

Reference # : JP-ADR-2011-00558 Status : Closed
Target : Responsible : (--)
Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

General

Adoption Type : Part adoption
Model : Z51
Request for :
Relevant plants Kyushu (Takayuki MURAKAMI)

Background

Countermeasure details: 【源流対策】
1) 工程内設備のﾊﾟｰﾂﾌｨｰﾀﾞｰのｱﾙｺｰﾙ清掃追加。・・・（製造 2011.9～）
2) 工程内清掃頻度変更。・・・清掃頻度 1回/日 → 3回/日（始業時・昼専終了時・深夜勤務開始時に実施、製造 2011.8.22～）
3)上記対策を決めごと『定期清掃計画表改定』に落とし込み。・・・（製造 2011. 8. 27）
【流出対策】
1)ﾊﾞﾙﾌﾞ清浄度 特別重点管理実施・・・ﾊﾞﾙﾌﾞ清浄度検査実施後の分解観察、、異物混入有無確認を実施。
（工場品質 8/22～9/末） 現在（9/4）までの実施結果、ﾊﾞﾙﾌﾞ内部への異物混入は検出されてなく継続実施中。

	Principle DN	D/N 2	D/N 3	D/N 4	D/N 5
DN #	:				
DN issue date	:				

Part / Unit C/M details request

C/M lot nr :
Unit model :
C/M unit nr :
C/M date of part / unit :
RAN nr :

Related documents

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Link to Parent : JP-CD-2011-01134 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Takayuki MURAKAMI
Authors	:	NONE
Readers	:	GCP_JP_Kyushu_Quality Assurance Takayuki MURAKAMI GCP_PI GCP_NONMARKET GCP_JP_Kyushu_W32 Window NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
17-Sep-2011	Save	Draft	Takayuki MURAKAMI	Kyushu	Takayuki MURAKAMI		
17-Sep-2011	Request Adoption	Adoption Requested	Takayuki MURAKAMI	Kyushu	Takayuki MURAKAMI		
17-Sep-2011	Reassign	Adoption Requested	Takayuki MURAKAMI	Kyushu	Syuuji MIENO		
16-Dec-2011	Reassign	Adoption Requested	W32 IKOU	Kyushu	Takayuki MURAKAMI		
20-Dec-2011	Close	Closed	Takayuki MURAKAMI	Kyushu			

Adoption Data

Reference # : JP-AD-2011-01842 Status : Closed

Target : Responsible : (--)

Subject : 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

General

Plant : Kyushu

C/M type	Model	Model Year	VIN nr	VIN type / line #	Brand	Adoption date
CONFIDENTIAL BUSINESS INFORMATION [redacted]						

Related documents

Link to project : NA-PRO-2011-01246 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Link to Parent : JP-ADR-2011-00558 2011MY Z51 (Murano) - Brake pedal sinks to floor, ABS Controller

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :

Archive Date :

Current user : Takayuki MURAKAMI

Authors : NONE

Readers : GCP_PI
GCP_JP_NONMARKET

GCP_JP_Kyushu_Quality Assurance
Takayuki MURAKAMI
NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
20-Dec-2011	Close	Closed	Takayuki MURAKAMI	Kyushu			



CARS / RAPIDA

Project Report

Project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on

Contents:

PRO	Status	Status Date	Target	Responsible		
	NA-PRO-2013-04322	Closed	17-Apr-2014	-		
MREP	Status	Status Date	Target	Responsible		
	NA-MREP-2014-01638	Closed	17-Apr-2014	-		
IPS	Status	Status Date	Target	Responsible		
	NA-IPS-2014-00149	Closed	10-Apr-2014	-		
	NA-IPS-2013-03622	Closed	30-Jan-2014	-		
REQ	Status	Status Date	Target	Responsible		
	NA-PIR-2014-00064	Closed		-		
CD	Status	Status Date	Target	Responsible	Related REQ#	
	NA-CD-2014-01375	Closed	01-Apr-2014	-		NA-PIR-2014-00064
AD	Status	Status Date	Target	Responsible		
	NA-AD-2014-01502	Closed	02-Apr-2014	-		

Project

Reference # : NA-PRO-2013-04322 Status : Closed
Target : Responsible : (--)
Subject : D40 ABS Actuator - Brake MIL on

General

Priority	: S -Standard	Taskforce report	: No
Priority explanation	:	Restricted Access	:
Priority justification	:		
Model	: D40	Local reference nr	:
		Engine type	:
Model year	: 2013; 2014	Transmission type	:
System	: Chassis		
Facilitator	:		
Q-Start Date	:	Q1 End date	:
Q-Start Time	:	Q1 End Time	:
		Q2 End Date	:
		Q2 End Time	:

Start & End time Format: HH:MM (where applicable)

Related documents

Related Documents

MREP	Status	Status Date	Target	Responsible	
NA-MREP-2014-01638	Closed	17-Apr-2014		-	
IPS	**Status**	**Status Date**	**Target**	**Responsible**	
NA-IPS-2014-00149	Closed	10-Apr-2014		-	
NA-IPS-2013-03622	Closed	30-Jan-2014		-	
REQ	**Status**	**Status Date**	**Target**	**Responsible**	
NA-PIR-2014-00064	Closed			-	
CD	**Status**	**Status Date**	**Target**	**Responsible**	**Related REQ#**
NA-CD-2014-01375	Closed	01-Apr-2014		-	NA-PIR-2014-00064

File Attachment	Attachment Type	Attachment Description	Parent Reference
Open	EX	3N1CE2CP6EL[redacted]8D	NA-PIR-2014-00064
Open	PDF	1N6AD0ER2DN[redacted] 8D	NA-PIR-2014-00064
Open	PDF	1N6AD0CW2DN[redacted] 8D	NA-PIR-2014-00064
Open	PDF	1N6AD0ER1DN[redacted] 8D	NA-PIR-2014-00064
Open	PDF	1N6AD0EV6DN[redacted] 8D	NA-PIR-2014-00064
Open	PDF	1N6AD0ERXD[redacted] 8D	NA-PIR-2014-00064
Open	PDF	1N6AD0EV7DN[redacted]8D	NA-PIR-2014-00064

Open	EX	Warranty data as of 1-21-2014	NA-PIR-2014-00064
Open	EX	Supplier Summary	NA-PIR-2014-00064
Open	EX	Warranty data for incident parts	NA-IPS-2013-03622
Open	WD	Incident Summary	NA-PIR-2014-00064

AD	Status	Status Date	Target	Responsible
NA-AD-2014-01502	Closed	02-Apr-2014		-

Executive Summary Images
Picture #1 :
Picture #2 :

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date

CONFIDENTIAL BUSINESS INFORMATION

Incident details

Date of first incident :

Is / Is not analysis

	Is	Is not
What	:	
Where	:	
When	:	
Extent	:	

Customer complaint : Cust Comm: C S THAT THE ABS SLIP LIGHTS ARE INTERMITTENTLY COMING ON PLEASE ADVISE
Tech Comm: 1343 CUST STATES THE ABS AND SLIP LIGHT ARE INTERMITTENTLY COMING ON TEST DROVE AND LIGHTS CAME ON DURING TEST

Details of concern : Brake MIL on, not due to fluid leak.

Incident conditions : For the 2013-14MY vehicles, the average mileage of the 37 ABS incidents was 2,631 miles with an average of 46 Days in Service.

Investigation results : Incident parts have been collected for detail analysis by the supplier.

Repairs done & results : The Dealer replaced the ABS unit to resolve the incident.

Reported VINs: 0

VIN	TR/FIR Source	Production Date	Sold Date	Incident Date	Mileage	Engine	Transmission

-> No reported VINs

Parts details

Part nr	Part name	Supplier	Quantity available
1.476609BFxx	ACTUATOR ASSY-ANTISKID	CONTINENTAL TEVES INC	10
2.			
3.			
4.			

Warranty data

Concern ranking	: 61	Number of buy-back cases	: unk
Total warranty cost	: $40,557	Number of claims	: 37
Cost per claim	: $1,096	Estimated incident ratio	: CONFIDENTIAL BUSINESS INFORMATIO

Analysis conditions : CONFIDENTIAL BUSINESS INFORMATION

Relevant PNC-Tag Pairs E.g.:79905-KQ7 (separate with ';') : 47600-STP; 47600-STO

Warranty reduction data

	Warranty cost	Number of claims
Total	:	
Sold	:	
Selling	:	
1 yr total	:	
1 yr sold	:	
1 yr selling	:	

Detailed warranty data

Model	:	Type	:
Engine	:	Transmission	:
Cost per vehicle	:	Incident ratio	:

Survey related

IQS4 question nr	: DEXP06:Brakes Performance	JD Power	:
APEAL question nr	:		

Archive

FES engineer	:		
File location / number	:		
Project start date	:		
Close date	:	16-Apr-2014	
Last correspondence	:		
Destroy date	:		

Coding block

Unit code	: MLN_D40 -Model Line, North America, D40	PFP	: 47660
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	: C1126;C1109;C1145	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.0673

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	: No					

Admin only

Deadline date	:	
Archive Date	:	17-Apr-2017
Current user	:	Garey GUZMAN
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Garey GUZMAN GCP_PI GCP_NONMARKET None NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
12-Dec-2013	Save	Draft	Garey GUZMAN	NNA	Garey GUZMAN		
29-Jan-2014	Publish	Public	Garey GUZMAN	NNA	Garey GUZMAN		
30-Jan-	(Set Active		Garey		Garey		

2014	by Request)	Active	GUZMAN	NNA	GUZMAN
17-Apr-2014	(Close by MREP)	Closed	Garey GUZMAN	NNA	

Comments

Market Reply

Reference # : NA-MREP-2014-01638
Status : Closed
Target :
Responsible : (--)
Subject : D40 ABS Actuator - Brake MIL on

General

Reply Type : Final reply

Model : D40
Model year : 2013; 2014

System : Chassis

Engine type :

Transmission type :

TR/PRO result : Countermeasure

Restricted Access :

C/M Effectiveness Check : No

C/M Effectiveness check Date :

TSB Issue or Not : No

TSB No. :
TSB Issue Date :

Reason Why TSB Not Issued : 1 -Appropriate field fix repair has been already guided.

TSB Reminder Date :

Details of Concern
Brake MIL on, not due to fluid leak.

Investigation Results & root causes

Investigation Results:

1N6AD0ER8DN[redacted] NTF

1N6AD0CU1D[redacted] NTF

1N6AD0ER2DN[redacted] PCU03 VO8 cannot keep the low side short to GND for the duration of the acitve test. The failure was reporduced on the PCU03 tester. Part will be shipped to supplier for further info. Please see attached report for additional info.S: PCU03 VALVEL G-S.

1N6BD0CT5D[redacted] NTF

1N6AD0CW2DN[redacted] NTF (

1N6AD0ER1DN[redacted] No communication at room temperature and 300mA consumption. Error/Error_N signals are not correct. Reset_N stays HIGH until IGN off (OK). No activity on CLKOUT.
VCC3 -> GND = 65.5 ohms
VCC5 -> GND = 1.01 kohms
VCCA -> GND = 53.7 ohms
VCCA = 1.95V
VCC3 = 3.3V
VCC5 = 5V The MCU PEC3 was removed from the PCB and the failure mode reproduced in a socket tester.

1N6AD0EV6DN[redacted] was received with CAN_BUS_OFF fault code. The unit passes functional testing. Cracks were found on the outside of the ECU enclosure. Close with customer-handling.

1N6AD0ERXD[redacted] Misdiagnosis (Externally triggered, all tests done also 6 hrs in AAET (Automated Active Endurance Test) without any failure entries, visual inspection showed no abnormalities. " Unit was received due to no comm with abs module and speedo not opp. Freeeframe was analyzed and undervoltage occured 2 times 27 ignitions cycles ago.

1N6AD0EV7DN[redacted] NTF

1N6AD0EV7DN[redacted] Failure code Mcu_wrong_int_or_reset_source was found in the EEPROM. At room temperature intermittently the fault code is reproduced. Internal visual inspection showed no abnormalities. Voltage levels (VCCA, VCC3, VCC5) are correct. The component was tested in the socket tester and intermittently failure codes OS_fatal_error and PCU_watchdog were reproduced too. PEC3 to be shipped to TI for further analysis.

Root cause:
1N6AD0EV7[redacted] Metal_Void fab defectivity
3N1CE2CP6E[redacted] Vacuum nozzel design
1N6AD0ER2[redacted] Fab – random defectivity – poly particle
1N6AD0ER1[redacted] Metal_Void fab defectivity

Conclusions
[D40-47660-100]

CONFIDENTIAL BUSINESS INFORMATION



Related documents

Link to project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on Priority: S -Standard

Related Documents

Coding block

Unit code	: MLN_D40 -Model Line, North America, D40	PFP	: 47660
SM category	: BRA -ABS Brake System	Additional PFP	:

Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	: C1126;C1109;C1145	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.0673

Countermeasures

CONFIDENTIAL BUSINESS INFORMATION



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Parts info

	Part 1	Part 2	Part 3	Part 4
Part name	:			

New #	:
Old #	:
Supplier	:
Lot #	:
Instruction old parts	:

	Part 5	Part 6	Part 7	Part 8
Part name	:			
New #	:			
Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

	Part 9	Part 10	Part 11	Part 12
Part name	:			
New #	:			
Old #	:			
Supplier	:			
Lot #	:			
Instruction old parts	:			

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					

Sharing : No

Admin only

Deadline date	:
Archive Date	:

Current user	:	Jay GADOMSKI
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Garey GUZMAN GCP_NA_NSC GCP_PI GCP_NONMARKET NONE

GCP_JP_NMEF_ALL

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
09-Apr-2014	Save	Draft	Garey GUZMAN	NNA	Garey GUZMAN		
17-Apr-2014	Request Approval	Awaiting Approval	Garey GUZMAN	NNA	Jay GADOMSKI		
17-Apr-2014	Close as final	Closed	Jay GADOMSKI	NNA			

Send Prior Notification to :
User 1 :
User 2 :
User 3 :
User 4 :
User 5 :
User 6 :
Pre-Notified : ()

Incident Parts Shipment

Reference # : NA-IPS-2014-00149 Status : Closed
Target : Responsible : (--)
Subject : D40 ABS Actuator

General

Model : D40

Comments : This IPS documents shipment of Warranty Return parts to the Supplier for further invesitgation. The parts are from the following VINs:
1N6AD0EV7D[redacted]
1N6AD0EV7D[redacted]

General

Link to project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on

Related Documents

Shipment information

Shipment 1
Parts sent date : 23-Jan-2014 Parts received date : 03-Feb-2014
Shipping method : Courier Airway bill nr :
Courier company : FedEx

Shipment 2
Parts sent date : Parts received date :
Shipping method : Airway bill nr :
Courier company :

Shipment 3

Parts sent date	:	Parts received date	:
Shipping method	:	Airway bill nr	:
Courier company	:		

Parts information

Final parts destination	:	Contact Person	WRC / Keith Damon
		Telephone Number	248-393-5852
Parts delivery address	:	Company Name	Continental Automotive
		Street & number	One Continental Drive
		City	Auburn Hills
		District	MI
		Postal Code	483269280
		Country	us -U.S.A.

Pickup Territory :

Purpose of parts:

	Part nr	Part name	Supplier	Lot nr	Quantity requested	Quantity sent
1.	476609BFxx	ACTUATOR ASSY-ANTISKID	CONTINENTAL TEVES INC			2
2.						
3.						
4.						

	VIN number	Repair date	PFP	Contact person	Dealer code
1.					
2.					
3.					
4.					
5.					
6.					

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Garey GUZMAN
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Garey GUZMAN GCP_USERS NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
22-Jan-2014	Save	Draft	Garey GUZMAN	NNA	Garey GUZMAN		
10-Apr-2014	Send Parts	Parts Sent	Garey GUZMAN	NNA	WRC / Keith Damon Continental	Garey GUZMAN	
10-Apr-2014	Confirm Receipt	Closed	Garey GUZMAN	NNA			

Incident Parts Shipment

Reference # : NA-IPS-2013-03622 Status : Closed
Target : Responsible : (--)
Subject : D40 ABS Actuator

General

Model : D40

Comments : This IPS documents shipment of Warranty Return parts to the Supplier for further invesitgation. The parts are from the following VINs:
1N6AD0CW2D
1N6AD0ER1DN
1N6AD0ER2DN
1N6AD0ER8DN
1N6AD0EV6DN
1N6BD0CT5DN
1N6AD0CU1DN
1N6AD0ERXDN
[redacted]

General

Link to project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on

Related Documents

File Attachment	Attachment Type	Attachment description
Open	EX	Warranty data for incident parts

Shipment information

Shipment 1
Parts sent date : 12-Dec-2013 Parts received date : 18-Dec-2013
Shipping method : Courier Airway bill nr :
Courier company : FedEx

Shipment 2
Parts sent date : Parts received :

date

Shipping method	:	Airway bill nr	:
Courier company	:		

Shipment 3

Parts sent date	:	Parts received date	:
Shipping method	:	Airway bill nr	:
Courier company	:		

Parts information

Final parts destination	:	Contact Person	WRC
		Telephone Number	248-393-5852
Parts delivery address	:	Company Name	Continental Automotive
		Street & number	One Continental Drive
		City	Auburn Hills
		District	MI
		Postal Code	483269280
		Country	us -U.S.A.

Pickup Territory :

Purpose of parts: Further investigation

	Part nr	Part name	Supplier	Lot nr	Quantity requested	Quantity sent
1.	476609BFxx	ACTUATOR ASSY-ANTISKID	CONTINENTAL TEVES INC			8
2.						
3.						
4.						

	VIN number	Repair date	PFP	Contact person	Dealer code
1.					
2.					

3.
4.
5.
6.

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					
Sharing	:	No				

Admin only

Deadline date	:	
Archive Date	:	
Current user	:	Garey GUZMAN
Authors	:	NONE
Readers	:	GCP_NA_NNA_PEI Garey GUZMAN GCP_USERS NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
12-Dec-2013	Save	Draft	Garey GUZMAN	NNA	Garey GUZMAN		
30-Jan-2014	Send Parts	Parts Sent	Garey GUZMAN	NNA	WRC/Continental	Garey GUZMAN	
30-Jan-2014	Confirm Receipt	Closed	Garey GUZMAN	NNA			

Preliminary Investigation Request

Reference # : NA-PIR-2014-00064 Status : Closed
Target : Responsible : (--)
Subject : D40 ABS Actuator - Brake MIL on

General

C-Speed Leadtime	:	LT updated on	:
Request type	: PIR - Preliminary Investigation Request		
Priority	: I -Important	Engine type	:
Model	: D40	Transmission type	:
Restricted Access	:	Res. Department	: MFG
Joint Analysis	: No	Res. Company	: NNA -Nissan North America, Inc.
	:	Market	: North America

Concern details : Incident Description:
Cust Comm: C S THAT THE ABS SLIP LIGHTS ARE INTERMITTENTLY COMING ON PLEASE ADVISE
Tech Comm: 1343 CUST STATES THE ABS AND SLIP LIGHT ARE INTERMITTENTLY COMING ON TEST DROVE AND LIGHTS CAME ON DURING TEST
The customer comments consistently reference MIL on.

Investigation Results:
Warranty claim information stated that the MIL was on for the incident parts. The parts were shipped to the supplier for more detailed investigation and teardown.

Incident Magnitude:
• D40 Claim Count (PFP 47660), as of 1-21-2014

CONFIDENTIAL BUSINESS INFORMATION [redacted]

Contact Name:
Tyler Si (NNA-C PQE)

Incident Part Shipment Info:
Incident parts were shipped directly to the Supplier (Continental) per PQE via NA-IPS-2013-03622 (8 parts received 12-18-13 per Supplier) and NA-IPS-2014-00149 (2 parts shipped 1-23-2014).

Attachments List:
1. Warranty data for the incident.

TaskForce Report : No

PI Request : • Please determine root cause and issue a permanent

countermeasure.
- Please provide countermeasure effectiveness and recurrence prevention plan.
- Please provide adoption timing and VIN for C/M.

Pre-select Destination :

Related documents

Project Integration Candidate :

Link to project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on

Related Documents

CD	Status	Status Date	Target	Responsible	Related REQ#
NA-CD-2014-01375	Closed	01-Apr-2014		-	NA-PIR-2014-00064

File Attachment	Attachment Type	Attachment Description
Open	EX	3N1CE2CP6EL3[redacted]8D
Open	PDF	1N6AD0ER2DN[redacted]1 8D
Open	PDF	1N6AD0CW2DN[redacted] 8D
Open	PDF	1N6AD0ER1DN[redacted] 8D
Open	PDF	1N6AD0EV6DN[redacted] 8D
Open	PDF	1N6AD0ERXDN[redacted]
Open	PDF	1N6AD0EV7DN[redacted]
Open	EX	Warranty data as of 1-21-2014
Open	EX	Supplier Summary
Open	WD	Incident Summary

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date
CONFIDENTIAL BUSINESS INFORMATION								

Coding block

Unit code	: MLN_D40 -Model Line, North America, D40	PFP	: 47660
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	: C1126;C1109;C1145	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.0673

Reply

Details

Relevant for recurrence prevention : Yes

Investigation results : 1N6AD0ER8DN[redacted] NTF

1N6AD0CU1DN7[redacted] NTF

1N6AD0ER2DN759481 PCU03 VO8 cannot keep the low side short to GND for the duration of the acitve test. The failure was reporduced on the PCU03 tester. Part will be shipped to supplier for further info. Please see attached report for additional info.S: PCU03 VALVEL G-S.

1N6BD0CT5[redacted] NTF

1N6AD0CW2DN[redacted] NTF (

1N6AD0ER1DN[redacted]1 No communication at room temperature and 300mA consumption. Error/Error_N signals are not correct. Reset_N stays HIGH until IGN off (OK). No activity on CLKOUT.
VCC3 -> GND = 65.5 ohms
VCC5 -> GND = 1.01 kohms
VCCA -> GND = 53.7 ohms
VCCA = 1.95V
VCC3 = 3.3V
VCC5 = 5V The MCU PEC3 was removed from the PCB and the failure mode reproduced in a socket tester.

1N6AD0EV6DN726559 Unit was received with CAN_BUS_OFF fault code. The unit passes functional testing. Cracks were found on the outside of the ECU enclosure. Close with customer-handling.

1N6AD0ERXDN734585 Misdiagnosis (Externally triggered, all tests done also 6 hrs in AAET (Automated Active Endurance Test) without any failure entries, visual inspection showed no abnormalities. " Unit was received due to no comm with abs module and speedo not opp. Freeeframe was analyzed and undervoltage occured 2 times 27 ignitions cycles ago.

1N6AD0EV7DN7[redacted] NTF

1N6AD0EV7DN[redacted] Failure code Mcu_wrong_int_or_reset_source was found in the EEPROM. At room temperature intermittently the fault code is reproduced. Internal visual inspection showed no abnormalities. Voltage levels (VCCA, VCC3, VCC5) are correct. The component was tested in the socket tester and intermittently failure codes OS_fatal_error and PCU_watchdog were reproduced too. PEC3 to be shipped to TI for further analysis.

Incident duplication results :

Root cause : 1N6AD0EV7D[redacted]: Metal_Void fab defectivity
3N1CE2CP6E[redacted] Vacuum nozzel design
1N6AD0ER2D[redacted]: Fab – random defectivity – poly particle
1N6AD0ER1D[redacted]: Metal_Void fab defectivity

First Aid Countermeasure :

Temporary Countermeasure :

Permanent Countermeasure :

Conclusion :

CONFIDENTIAL BUSINESS INFORMATION

Supplier 1 Request investigation? :

Supplier 2 Request investigation? :

Is / Is not analysis

	Is	Is not
What :		
Where :		
When :		

Extent :

Workflow & History

Cross-regional

PI Responsible person :

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Garey GUZMAN
Authors : NONE
Readers : GCP_NA_NNA_PEI
Garey GUZMAN
GCP_NONMARKET
GCP_PI
Larry BENNETT
GCP_NA_NNA-C_PQA
Tyler SI
GCP_NA_NNA-C_PQE
NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
29-Jan-2014	Save	Draft	Garey GUZMAN	NNA	Garey GUZMAN		
30-Jan-2014	Request Approval	Awaiting Approval	Garey GUZMAN	NNA	Jay GADOMSKI		
30-Jan-2014	Assign	Assigned	Jay GADOMSKI	NNA	Larry BENNETT		
31-Jan-2014	Assign to window	Assigned to window	Larry BENNETT	NNA-C	Tyler SI		
02-Apr-2014	Return to previous window	Assigned	Tyler SI	NNA-C	Larry BENNETT		
04-Apr-2014	Close	Public	Larry BENNETT	NNA-C	Garey GUZMAN		
09-Apr-2014	Close	Closed	Garey GUZMAN	NNA			

Comments

Send Prior
Notification to
User 1 :
User 2 :
User 3 :
User 4 :
User 5 :
User 6 :
Pre-Notified : ()

Countermeasure Data

Reference # : NA-CD-2014-01375 Status : Closed
Target : Responsible : (--)
Subject : D40 ABS Actuator - Brake MIL on

Design note data

Model : D40
C/M type : PCM -Production C/M
% Effectiveness : 85
Restricted Access :

	Principle DN	D/N 2	D/N 3	D/N 4	D/N 5
DN #	:				
DN issue section	:				
DN issue date	:				
Planned adoption date	:				
Change of cost	:				
Change of weight	:				

Pre-select Destination :

PCN Judgement : No
Reason :

Related documents

Link to project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on
Link to Parent : NA-PIR-2014-00064 D40 ABS Actuator - Brake MIL on

Related Documents

AD	Status	Status Date	Target	Responsible
NA-AD-2014-01502	Closed	02-Apr-2014		-

Adoption data

CD#	Plant	CM Type	Model	Model Year	VIN	VIN Type	Brand	Adoption Date

CONFIDENTIAL BUSINESS INFORMATION

Coding block

Unit code : MLN_D40 -Model Line, North PFP : 47660

	America, D40		
SM category	: BRA -ABS Brake System	Additional PFP	:
Cs code	: HC -warning light on	Ct code	: 32 -internal failure
DTC code	: C1126;C1109;C1145	Warr group code	: P5 -Anti-lock brake (ABS)
Phenomenon	:	Current 3MIS Value	: 0.0673

Countermeasure details

Root cause reference	:	1N6AD0EV7	Metal_Void fab defectivity
		3N1CE2CP6	Vacuum nozzel design
		1N6AD0ER2	Fab – random defectivity – poly particle
		1N6AD0ER1	Metal_Void fab defectivity

Countermeasure: Details

CONFIDENTIAL INFORMATION

Verification of C/M : CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

[redacted]

Horizontal deployment model	:	
Horizontal deployment planned completion date(Q6)	:	
Horizontal deployment	:	
Recurrence prevention planned completion date(Q5)	:	
Recurrence prevention	:	- PFMEA - Control plan file review & update - Work instruction update
Service notification	:	
Corrective actions	:	
Materials	:	
Load	:	
Manufacturing method	:	
Comments	:	

Countermeasure parts

	Part 1	Part 2	Part 3	Part 4
Part name :				
New part # :				
Old part # :				
Supplier :				
Supersession instruction :				

	Part 5	Part 6	Part 7	Part 8
Part name :				
New part # :				

Old part #	:
Supplier	:
Supersession instruction	:

	Part 9	Part 10	Part 11	Part 12
Part name	:			
New part #	:			
Old part #	:			
Supplier	:			
Supersession instruction	:			

Workflow & History

Security

		Region	Organisation	Department	Name	Role
Responsible	:					

Sharing : No

Admin only

Deadline date	:
Archive Date	:

Current user	:	Tyler SI
Authors	:	NONE
Readers	:	GCP_NONMARKET GCP_PI Tyler SI GCP_NA_NNA-C_PQE NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
01-Apr-2014	Save	Draft	Tyler SI	NNA-C	Tyler SI		
01-Apr-2014	Close	Closed	Tyler SI	NNA-C			

Send Prior Notification to User 1	:
User 2	:
User 3	:

Adoption Data

Reference # : NA-AD-2014-01502 Status : Closed
Target : Responsible : (--)
Subject : D40 ABS Actuator - Brake MIL on

General

Plant : Canton

	C/M type	Model	Model Year	VIN nr	VIN type / line #	Brand	Adoption date
1.	Production C/M	D40	2014	1N6AD0CU0E[redacted]			02-Apr-2014
2.							
3.							
4.							
5.							

Related documents

Link to project : NA-PRO-2013-04322 D40 ABS Actuator - Brake MIL on

Link to Parent : NA-CD-2014-01375 D40 ABS Actuator - Brake MIL on

Workflow & History

Security

	Region	Organisation	Department	Name	Role
Responsible :					

Sharing : No

Admin only

Deadline date :
Archive Date :

Current user : Tyler SI
Authors : NONE
Readers : GCP_NA_NNA-C_PQE
Tyler SI
GCP_PI
GCP_NA_NONMARKET

NONE

Document History

Date	Action	New Status	By	Organisation	New Resp	Simulated by	Comments
02-Apr-2014	Save	Draft	Tyler SI	NNA-C	Tyler SI		
02-Apr-2014	Close	Closed	Tyler SI	NNA-C			

REQUEST #8 RESPONSE

NHTSA

8. Describe all assessments, analyses, tests, test results, studies, surveys, simulations, investigations, inquiries and/or evaluations (collectively, "actions") that relate to, or may relate to, the alleged defect in the subject vehicles that have been conducted, are being conducted, are planned, or are being planned by, or for, Nissan. For each such action, provide the following information:

   a. Action title or identifier;
   b. The actual or planned start date;
   c. The actual or expected end date;
   d. Brief summary of the subject and objective of the action;
   e. Engineering group(s)/supplier(s) responsible for designing and for conducting the action; and
   f. A brief summary of the findings and/or conclusions resulting from the action.

   For each action identified, provide copies of all documents related to the action, regardless of whether the documents are in interim, draft, or final form. Organize the documents chronologically by action.

Nissan answer

a. Z51 Spongy Brake Investigation

b. 2017/06/05

c. TBD
Currently under investigation.

d. Please see the action flow.

e. Local Dealer technician, Nissan Brake Design Engineers and Quality Group, Continental (Supplier)

f. Please see Appendix C for preliminary investigation results

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NISSAN GROUP
OF NORTH AMERICA



ABS Valve Removal Process

Technical Compliance
July 10, 2017

Nissan Restricted B

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END

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Appendix

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