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TOPIx Cloud Diagnostics Toolbox and Applications User Guide

TOPIx Cloud Diagnostics Toolbox and Applications User Guide







🔊 Diagnostic Device Agent



LAND--ROVER

Toolbox and Applications User Guide

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1 Overview of TOPIx Cloud Diagnostics

1.1 What is TOPIx Cloud Diagnostics?

- TOPIX Cloud Diagnostics is an integrated diagnostic cloud-based tool within the TOPIx environment.
- It is always up-to-date for both Jaguar and Land Rover Retailers to connect directly to vehicles.
- TOPIx Cloud Diagnostics is software that utilises current diagnostic equipment to connect to applicable vehicles.
- No need for large software installations that provide out of date solutions.
- Delivers new experiences to users with time efficiency benefits.
- The Diagnostic Device Agent synchronises with TOPIx Cloud Diagnostics to display vehicle data and all expected features and functions of Jaguar Land Rover approved diagnostic tools.



1.2 Who is it for?

- Intended for users who want to connect TOPIx to maintain Jaguar Land Rover vehicles.
- For the best user experience Jaguar Land Rover recommend to use Google Chrome browser.
- Provide user guidance to the correct and latest information.
- To provide users all the information, parts and labour details at the start of the repair.

1.3 Installation of TOPIx Diagnostic Device Agent (DDA)

- Access TOPIx by means of URL address <u>https://topix.jaguar.jlrext.com/</u> or <u>https://topix.landrover.jlrext.com/</u>
- Click 'Links' located within the lower toolbar.
- Click 'Diagnostic Device Agent'.
- Follow prompts shown on the screen to run and complete the installation of the Diagnostic Device Agent.
- Upon completion of the software installation the Diagnostic Device Agent icon will be shown in the Windows lower tool tray (as shown in image below).



• If the icon is not shown, click the hidden icon triangle to expand image to show the icon tray.



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1.4 Auto Update of the Diagnostic Device Agent (DDA)

- Once the DDA is installed, all later versions will be delivered automatically.
- The user will be shown an option to install or cancel. Install update is recommended so that the latest version is being used.
- If the user decides to cancel the offered update, the DDA can still be used at the current level without enhancement installed. However, the fourth day from the initial delivery of an update the use of the DDA will be inhibited until the latest update is applied.
- For the installation to take place, the vehicle must not be connected and the DDA must be logged out.
- A pop-up messages may occur that detail the stages of update and completion.
- Please refer to TOPIx Cloud Diagnostics Diagnostic Device Agent User and Troubleshoot Guide for additional information if needed. [TOPIx Document navigation path – Browse all > Diagnostics > General > Enhanced Diagnosis & Testing].

1.5 What functions are available?

This user guide covers key enhancements available within TOPIX Cloud Diagnostics Toolbox and Applications.

1.5.1 TOPIx Login

- As a TOPIx user you may already be logged into TOPIx. However, to use TOPIx Cloud Diagnostics, login via the Diagnostic Device Agent is required.
 - You will notice that if you are already logged into TOPIx, a new tab is rendered to allow you to login and to use TOPIx Cloud Diagnostics.
- You are able to login from the DDA Tray icon or the Windows Start menu.

Item	Description
1	DDA Login
2	Start Menu Login



 Upon Login via the DDA you will see pop-ups from the Diagnostic Device Agent Tray icon that inform the user login has been achieved and if a vehicle is connected a pop-up is shown of the Vehicle Identification Number (VIN) and connection status.



1.5.2 Vehicle connection

- Connect the latest Jaguar Land Rover Vehicle Communication Interface (VCI) to the vehicle and diagnostic computer.
- The DDA will detect VCI connection to the vehicle and will read the VIN from the vehicle.
- Click 'Yes' to open a new TOPIx page or 'No' to remain on the same TOPIx page and the 'Diagnostics' tab must be clicked or a refresh of the retained TOPIx page will be needed to show the connected vehicle status.
- The red indicator on the DDA icon will go to green upon successful connection to a vehicle.
- The DDA will indicate TOPIx Cloud is connected and a *'Currently Viewing'* vehicle with a spanner icon will be shown with **READY** highlighted in green (within the TOPIx banner). Next the automatic vehicle module data collect occur. This is called Automatic Network Integrity Test (ANIT).
- The DDA will do an Automatic Network Integrity Test (ANIT) if this has not been done within the last 24 hours, if an ANIT has been done within the last 24 hours then the last data read will be shown.
- Note: If an Automatic Network Integrity Test (ANIT) or Network Integrity Test (NIT) is not completed, then it
 will not be possible to run any other application that needs communication to the vehicle. (See section 3
 'Frequently Asked Questions' for additional help).
- Should you choose not to wait (this is acceptable) you can continue to use other TOPIx features. However, you will not be able to use any applications within the 'Diagnostics' tab in TOPIx until the READY icon is shown and an ANIT or NIT completed.

	TOPIx Enhancements Please click here to see what is changing > View
VIN SELECTION Please enter your 17 character Vehicle Identification Number	Libited below are the most recent vehicles for rblackle .
OR Enter the last 8 characters	01 Discovery Sport / L550 2021 Sal CTaxXMineseAs In for Other Last action 29 Acr 2020 (0.7.1) V Dagrock: Device Agent
Fine	02 That attain has repred. Recercings to 10% to continue using Disputsic Device Agent. In a state of the second se
> Search via Model Selection	03 New Range Rover Evoque / L551 2021 SALZAZAN6MH128012 In for: Other Last activity: 28-Apr-2021 10:26 Last event: Service History
	04 New Range Rover Evoque / L551 2021 SALZAZANIMH128466 in for Other Last activity: 27-Apr-2021 12:29 Last event: Read Document Knocking Noise
	05 New Range Rover Evoque / L551 2021 sal/ZA287x84H03336 Last activity: 27.4pr-2021 09:36 Last event: Read Document Fuel Level Sens
	06 New Range Rover Evoque / L5512021 SALZA2BNOMH125203 In for: Other Last activity: 28-Apr-20211231 Last event: Read Document Knocking Noise
inks Contact us Cookie Policy Privacy policy © 2021 Terms and conditions	Diagnostic Device Agent is running * × V V 10.00 V 20.00 20.00

	Toolbox and	Applications User Guide	
		TOPIx Enhancements Prease click here to see what is changing 3 View	
VIN SELECTION			
Please enter your 17 character Vehicle	e Identification Number	Listed below are the most recent vehicles for rblackie rblackie.	All Vehicles +
OR Enter the last 8 characters		01 Discovery Sport / L550 2021 SALT 2000KH4 IBBS25 In for Other Last activity 29 Apr 2021 08 21 Last event: Read Document TT/PP Build - P 02 V Displayed owneds the wide SLE2000H1357K Wold will be to gen T057 which gap? Last event: Service History	
Find Search via Model Selection		03 New Range Rover Evoque / L551 2021 SALZA2AN6MH128012 In for: Other Last activity: 28-Apr-2021 10:26 Last event. Service History	
		0.4 New Range Rover Evoque / L551 2021 s4LZA2ANIMH128465 In for: Other Last activity: 27-Apr 2021 12:29 Last event. Read Document Knocking Noise	
		05 New Range Rover Evoque / L5512021 s4LZA2BTX0H103336 Last activity 27-Apr-2021 09.36 Last event. Read Document Fuel Level Sens	
		OG New Range Rover Evoque / L551 2021 SALZAZENOMH125203 In for: Other Last activity: 26-Apr-2021 12:31 Last event: Read Document Knocking Noise	
		07 Discovery / 1462 2019	_

• At this point you need to wait for the Vehicle Ready Icons to appear as shown below.

	Currently Viewing New Range Rover Evoque / L551 2021 SALZB2(NWM145/96 Vehicle Summary > View all vehicle details Suid date: 17-Feb-2021 Setting Retailer: 142290 Werranty start date: > Vehicle home page Werranty start date:	
OPTION SELECTION To proceed, please select which activity you are going to perform from the list below.	OUTSTANDING CAMPAIGNS There are currently no outstanding Field Service Actions for this vehicle	
Maintenance, PDI & OSH Accessory and Configuration The vehicle requires an accessory or configure The vehicle requires an accessory or configure	gurable option. MOT SEARCH (UK ONLY)	
Fault and Breekdown There is a concern on the vehicle that needs rectification. Browse all Just take a look around.	Registration Plate Find	

1.5.3 Diagnostic Toolbox

- Click 'Browse all' selection box and then all TOPIx features and content tabs will be shown next.
- Click 'Diagnostics'.
- Upon selecting the 'Diagnostics' tab a warning message will be seen. This message will appear every 24 hours.
- Click 'OK' to agree and continue.

Name • Cold Fundation • Cold Fundation						
JACOAR	By using this Service Tool you agree to the following statements: • You have read the workshop manual Section 1 General Information • Understand the use of this tool for PDL Service or Diagnostic / Repair operations. • To be use for Jaguar Land Rover (LR) whiches on PJ. • You have completed the minimum level of J.R. Service Tool training. • You ahvere to all legal Health and Safety regularements for your country.	Build date: 17-Feb-2021 Setting Retailer: H8290				
	ок					

- Should you decide to proceed to the Diagnostics tab without the **READY** icon being shown, a red warning message is displayed.
- Please wait a short period of time (10 20 seconds) before selecting 'Refresh Connection Status'.



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• The **'Dismiss'** button will clear the warning message but will not manually refresh the status. However, once vehicle connection and module data collect has been achieved the **READY** icon will be shown.

AGUAR		Currently Vie New Ra sAL282CNx > Vehicle hor	ange Rover Evoque / L551 2021 KMH135796	Vehicle Summary > View all vehicle d Build date: 03-Feb-2021 Selling Retailer: H8250 Werranty start date:	etails
Vehicle Documents Vehicle is not connect	s OSH RTS Diagnostics Vehicle Software			Refeat	Connection Status Dismiss
VEHICLE DATA			APPLICATIONS AND TROUBLESHOOT	ING	
Modules Fault Timelin	ne DTC Helptext DTC Snapshot		Vehicle Applications Module Applicatio	ns Module Programming Diagnostic Tests History	DTCs
	м	Vehicle last read: 01-Jul-2021 13:19:57 (UTC) lieage Last Read: 11 km at 01-Jul-2021 13:18:51 (UTC)			
Module T	Description	Status T	▼ Application name ≎	▼ Description ≎	Action
SGCM	Starter/Generator Control Module		Activate Display Test Pattern	Beta version - Do not use	Run
TCM	Transmission Control Module	NO RESPONSE	Activate Display Test Pattern		
ABS	Anti-Lock Brake System Control Module	DTC	Activate Display Test Pattern	Description not available.	Run
DADC	Driver Assistance Domain Controller	отс	Activate Display Test Pattern	Description not available.	Run
NFSM	Near Field Sensing Module	отс			
PCM	Powertrain Control Module	отс	Activate Forward Radar Service Alignment	Description not available.	Run
PSCM	Power Steering Control Module	OTC	Activity Key	Beta version - Do not use	Run
AAM	Audio Amplifier Module	RESPONDED			_
BCM	Body Control Module	RESPONDED	Actuators End Stop Detection	Beta version - Do not use	Run
CCM	Cruise Control Module		Add Additional Keys	Beta version - Do not use	Run

• When the **READY** Icon is shown, this indicates the vehicle is ready to run Diagnostics

			Range Rove	er Evoque / L551 2021	Vehicle Summary > View all vehicle details Build dete: 03-Feb-2021 Setting Retailer: H8290 Warranty start dete:	
Vehicle Documents	OSH RTS Diagnostics Vehicle Software					
VEHICLE DATA			APPLI	CATIONS AND TROUBLESHOOTING		
Modules Fault Timeline	DTC Helptext DTC Snapshot		Vehic	le Applications Module Applications Mo	todule Programming Diagnostic Tests History DTC	ls
		Vehicle last read: 01-Jul-2021 13:19:57 (UTC) sst Read: 11 km at 01-Jul-2021 13:18:51 (UTC)				
Module T	Description	Status T	τ Α;	plication name \$	▼ Description ≎	Action
SGCM	Starter/Generator Control Module	NO RESPONSE	Clea	r All DTC(s)	Clear all stored diagnostic trouble co	RUN
ТСМ	Transmission Control Module	NO RESPONSE	Cus	omer Personalisation Features	This application is required to be ran i	RUN
ABS	Anti-Lock Brake System Control Module	DTC				RON
DADC	Driver Assistance Domain Controller	DTC	Net	vork Integrity Test	This application will read Diagnostic T	RUN
NFSM	Near Field Sensing Module	отс	Dec	Delivery Inspection	This application will configure the veh	
PCM	Powertrain Control Module	DTC	Pie-	beivery inspection	This application will conligure the ven	RUN
PSCM	Power Steering Control Module	это	Serv	ice Message Reset	Oil, Inspection and Service Message r	RUN
AAM	Audio Amplifier Module	RESPONDED				
BCM	Body Control Module	RESPONDED				
ССМ	Cruise Control Module					

- If a collection has not occurred within the last 24 hours a message will be displayed within the 'VEHICLE DATA' panel to inform that a Network Integrity Test is in progress, to wait a few seconds allow the screen to automatically refresh or manually refresh the TOPIx page.
- A timestamp and distance is shown within the **'VEHICLE DATA'** panel, this informs the user of the last time the vehicle was read and module data acquired.
 - Green RESPONDED = Achieved communication to a module and no DTC stored.
 - Amber DTC = Achieved communication to a module and one or more DTC is stored.
 - Red NO RESPONSE = Communication to a module has not been achieved and needs to be investigated.

1.5.4 Fault Timeline

- The 'Fault Timeline' feature shows the occurrence of DTCs and reference to a date and time for each event.
- The computer curser can be used to hover over each delta point and more information will be shown.
- You can zoom in by creating a box around a DTC



• 'DTC Helptext' and 'DTC Snapshot' becomes active when the 'DTCs' function is in use within the 'APPLICATIONS AND TROUBLESHOOTING' panel. Refer to section 1.5.9 DTCs

	Currently View New Rat satz82cNxt ≩∰ READ > Vehicle home	nge Rover Evoque / L551 2021 MH135796	Vehicle Summary View all vehicle d Build dete: 03-Feb-2021 Seiling Retaller: H8290 Werrenty start dete:	etailis N
Vehicle Documents OSH RTS Diagnostics Vehicle Software				
VEHICIADATA		APPLICATIONS AND TROUBLESHOOTING		
Modules Fault Timeline DTC Helptext DTC Snapshot		Vehicle Applications Module Applications Mod	dule Programming Diagnostic Tests History	DTCs
	4			
		▼ Application name ≎	▼ Description ≎	Action
9 U0400-81		Clear All DTC(5)	Clear all stored diagnostic trouble	CO RUN
(ung) 7		Customer Personalisation Features	This application is required to be r	an i
6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Network Integrity Test	This application will read Diagnost	IC T RUN
4		Pre-Delivery Inspection	This application will configure the	RUN
2		Service Message Reset	Oil, Inspection and Service Messa	30 f
1				
Jul 1, 2021, 13:45:01 3:50 14:00 14:10 14:20 Jul 1, 2021	14:30			
Date (UTC)				

1.5.5 Vehicle Applications

- The 'Vehicle Applications' toolbox will display all applicable applications which are generic vehicle functions and not specific to one module or vehicle specification. As an example *Network Integrity Test, Pre-Delivery Inspection and Service Message Reset.*
- Click 'RUN' on the desired application to launch and apply changes to the vehicle.
 - Note: A short delay will be seen whilst the selected application data is downloaded from the cloud server, applied to the DDA and launched within TOPIx.
- Follow the instructions and complete the commands given by TOPIx for the selected application.

AGUAR			Currently Viewin New Rang SALZB2CNXMI CONTRACTOR Vehicle home p	ge Rover Evoque / L551 2021 1135796	Vehicle Summary > View all vehicle detai Build date: 03-Feb-2021 Seiling Retailer: H8290 Warranty start date:	5
Vehicle Documents	OSH RTS Diagnostics Vehicle Soft	tware				
VEHICLE DATA				APPLICATIONS AND TROUBLESHOOTING	3	
Modules Fault Timelin	ne DTC Helptext DTC Snapshot			Vehicle Applications Module Applications	Module Programming Diagnostic Tests History D	TCs
		Vehicle last read: 01-Jul-2021 13:1 Mileage Last Read: 11 km at 01-Jul-2021 13:				
Module T	Description	Status T		▼ Application name ≎	▼ Description ≎	Action
SGCM	Starter/Generator Control Module	NO RESPONSE	^	Clear All DTC(s)	Clear all stored diagnostic trouble co.	RUN
тсм	Transmission Control Module	NO RESPONSE	- 61			=
ABS	Anti-Lock Brake System Control Module	DTC		Customer Personalisation Features	This application is required to be ran	RUN
DADC	Driver Assistance Domain Controller	отс		Network Integrity Test	This application will read Diagnostic 1	RUN
NFSM	Near Field Sensing Module	DTC				=
PCM	Powertrain Control Module	DTC		Pre-Delivery Inspection	This application will configure the veh	RUN
PSCM	Power Steering Control Module	סזכ		Service Message Reset	Oil, Inspection and Service Message	RUN
AAM	Audio Amplifier Module	RESPONDED				_
BCM	Body Control Module	RESPONDED				
ССМ	Cruise Control Module	RESPONDED	~			



1.5.6 Module Applications

- The 'Module Applications' toolbox will show all applicable applications that are assigned to a specific module. This was previously known as ECU Diagnostics when viewed on Pathfinder.
- To access this please select a module from the left-hand side shown within the **VEHICLE DATA** panel. *This was previously known as ECU Functions when viewed on Pathfinder.*
- Double clicking on any module will enable a list of all module applications to be seen.

			Currently View New Ran SALZB2CNXM CEADY > Vehicle home	nge Rover Evoque / L551 2021 HH35796	Vehicle Summary > View all vehicle de Build date: 03-Feb-2021 Selling Retailer: H8290 Warranty start date:	
Vehicle Documents	OSH RTS Diagnostics Vehicle Software					
VEHICLE DATA				APPLICATIONS AND TROUBLESHOOTING		
Modules Fault Timeline	DTC Helptext DTC Snapshot			Vehicle Applications Module Applications M	odule Programming Diagnostic Tests History	DTCs
	Mile	Vehicle last read: 01-Jul-2021 age Last Read: 11 km at 01-Jul-2021		PSCM		
Module T	Description	Status T				
SGCM	Starter/Generator Control Module	NO RESPONSE	^	▼ Application name ≎	▼ Description ≎	Action
тсм	Transmission Control Module	NO RESPONSE		Lock Steering Tune to vehicle	Beta version - Do not use	Run
ABS	Anti-Lock Brake System Control Module	ртс		Reset Temperature Histogram Counters	Beta version - Do not use	Run
DADC	Driver Assistance Domain Controller	отс				
NESM	Near Field Sensing Module	ртс		Set Into Customer Mode	Beta version - Do not use	Run
PCM	Powertrain Control Module	отс				
PSCM	Power Steering Control Module	отс				
ААМ	Audio Amplifier Module	RESPONDED				
BCM	Body Control Module	RESPONDED				
CCM	Cruise Control Module	RESPONDED	~			

JAGUAR			Currently Viewir New Ran SALZB2CNXMI 중의 READY > Vehicle home p	ge Rover Evoque / L551 2021 H135796	Vehicle Summary > View all vehicle Build date: 03-Feb-2021 Selling Retailer: H8290 Werrenty start date:	details	
Vehicle Document	nts OSH RTS Diagnostics Vehicle Software	>					
VEHICLE DATA				APPLICATIONS AND TROUBLESHOOTING			
Modules Fault Timel	line DTC Helptext DTC Snapshot			Vehicle Applications Module Applications	Module Programming Diagnostic Tests History	DTCs	
	Mile	Vehicle last read: 01-Jul-2021 13: age Last Read: 11 km at 01-Jul-2021 13			_		
Module T	Description	Status T		▼ Application name ≎	▼ Description \$	Action	
SGCM	Starter/Generator Control Module	NO RESPONSE	^	Activate Display Test Pattern	Beta version - Do not use	Run	^
тсм	Transmission Control Module	NO RESPONSE		Activate Display Test Pattern	Burnisting and available	_	1
ABS	Anti-Lock Brake System Control Module	ртс		Activate Display Test Pattern	Description not available.	Run	
DADC	Driver Assistance Domain Controller	ртс		Activate Display Test Pattern	Description not available.	Run	
NFSM	Near Field Sensing Module	ртс				=	
PCM	Powertrain Control Module	этс		Activate Forward Radar Service Alignment	Description not available.	Run	
PSCM	Power Steering Control Module	ртс		Activity Key	Beta version - Do not use	Run	
AAM	Audio Amplifier Module	RESPONDED		Actuators End Stop Detection	Beta version - Do not use		
BCM	Body Control Module	RESPONDED		Actuators and stop Detection	Detai verSion - Do not use	Run	
CCM	Cruise Control Module	RESPONDED	~	Add Additional Keys	Beta version - Do not use	Run	~



1.5.7 Diagnostic Tests

- The 'Diagnostic Tests' toolbox contains specific tests which that can be selected and executed from TOPIx. This was previously known as Guided Diagnostics when viewed on Pathfinder.
- Most diagnostic tests will not need communication to a vehicle as they include physical and visual checks to be done on a vehicle. The instructions will inform the user if the VCI is required and diagnostic communication has to be done.
- Follow the on-screen instructions to carry out a test.
- Test can be re-run to validate a repair if required.

JLR Retailers ONLY

- If a fault is found, TOPIx will create a **Repair Validation Code (RVC)** and show on screen for the user to record on their job card and warranty claim submission. Each RVC is unique to a retailer user group, diagnostic test and repair to a fault found. This means that individual approved users at the retailer can continue/resume/re-run the same test and use the same RVC code for the warranty repair claim.
- This code confirms that you can carry out the repair identified by TOPIx, based on the diagnostic outcome.

HICLE DATA				APPLICATIONS AND TROUBLESHOOTING			
odules Fault Timeline	DTC Helptext DTC Snapshot			Vehicle Applications Module Applications	Module Programming Diagnostic Tests	History DTCs	
	Mile	Vehicle last read: 01-Jul-2021 1 age Last Read: 11 km at 01-Jul-2021 1		Vehicle Tests			*
odule T	Description	Status T		▼ Application name ≎	Description	Action	₹ Result
icm.	Starter/Generator Control Module	NO RESPONSE	^			_	
M	Transmission Control Module	NO RESPONSE		DEF Backflow Pump - Test	Description not available.	RUN	
35	Anti-Lock Brake System Control Module	DTC					
ADC	Driver Assistance Domain Controller	DTC		DEF Concentration Sensor - Test	Description not available.	RUN	
SM	Near Field Sensing Module	DTC					
м	Powertrain Control Module	DTC		Diesel Fuel Injector Test	Beta version - Do not use	RUN	
CM	Power Steering Control Module	DTC				_	
M	Audio Amplifier Module	RESPONDED		Diesel Particulate Filter Rattle - Test	Beta version - Do not use	RUN	
CM	Body Control Module	RESPONDED					
см	Cruise Control Module	RESPONDED	~	Diesel Particulate Filter Test	Reta version - Do not use	-	
				<			
LBOX							
NING APPLICATIO	ON - DAB ANTENNA 2 TEST						
AB2 ANTEN	INA CIRCUIT DIAGNOSTICS						
O NOTE							
	I check the circuit for the following:						
 Faulty harness/cor 							
2. Faulty antenna am							



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TOOLBOX	
RUNNING APPLICATION - DAB ANTENNA 2 TEST	
DAB SYSTEM FUNCTIONALITY CHECK Check the DAB radio is working by searching for any DAB radio stations and checking if the DAB source is active on the screen. Road test the vehicle and check the functionality is still working correctly in other signal areas. Is the DAB radio working?	
	•
RUNNING APPLICATION - DAB ANTENNA 2 TEST DAB2 ANTENNA AMPLIFIER CONNECTOR CHECK Ref to the electrical circuit diagrams and disconnect the DAB2 antenna cable from the DAB2 antenna amplifier and complete the following checks. I. singect the electrical connectors and make sure there is no sings of water ingress present. I. singect the electrical connectors for backed out pins. I. singect for corroded, damaged or won pins. The corroded, damaged or won pins. The corroded out pins in good condition? Image: Ima	
TOOLBOX	
RUNNING APPLICATION - DAB ANTENNA 2 TEST	
DAB2 ANTENNA AMPLIFIER VOLTAGE CHECK Measure the voltage between SiG wire of the DAB2 antenna amplifier cable and a local ground connection on the vehicle Is the voltage greater than 9 volts?	
TOOLBOX	
RUNNING APPLICATION - DAB ANTENNA 2 TEST	
DAB2 ANTENNA AMPLIFIER VOLTAGE CHECK Measure the voltage between SIG wire of the DAB2 antenna amplifier cable and a local ground connection on the vehicle Is the voltage less than battery voltage? Visited	
TOOLBOX	
RUNNING APPLICATION - DAB ANTENNA 2 TEST	
RECONNECT AND CHECK FUNCTIONALITY Reconnect DAB2 Antenna Amptifier connector and check the DAB2 radio is working by searching for any DAB2 radio stations and checking if the DAB2 source is active on the screen. Road test the vehicle and check the functionality is still working correctly in other signal areas. Is the DAB radio working? Ye	
TOOLBOX	
RUNNING APPLICATION - DAB ANTENNA 2 TEST	
REPLACE DAB2 ANTENNA AMPLIFIER Fror A fault has been found DAB2 Antenna Amplifier. Refer to Workshop Manual, Section 415-01 Information and Entertainment System, Removal and Installation, DAB2 Antenna Amplifier. Continue	



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• Repair Validation Code (RVC)

		Repair Validation Code			× /	> View all vehicle b-2021	details	
JAGUAR -ROV		Your unique Repair Validation Code is: RGJDQAMJ			t H825 date:	•		
	OSH RTS Diagnostics	This code confirms that you can carry out the repair identified	d by TO	Plx, based on the diagnostic outcome.				
					ок			
	DTC Helptext			Vehicle Applications Module Applications Di	agnostic Tests History DT			
Module T	Description	Status 🝸		T Application name \$	Description	Action	▼ Result ¢	
		NO RESPONSE				RERUN		
		NO RESPONSE				RERUN	FAULT FOUND	
		NO RESPONSE						
						RUN		
		NO RESPONSE						
						RUN		
		NO RESPONSE						
		NO RESPONSE				RUN		
		NO RESPONSE				RUN		

• Click 's Link to repair' and this will hyperlink to the repair procedures within TOPIx workshop manual.

APPLICATIONS AND TROUBLESHOOTING				
Vehicle Applications Module Applications	Diagnostic Tests History DT	Cs		
Vehicle Tests				^
▼ Application name ≑	Description	Action	▼ Result ≑	
Bluetooth Antenna Test	Description not available.	RE-RUN	NO FAULT FOUND	^
DAB Antenna 2 Test	Description not available.	RE-RUN	FAULT FOUND	



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WSM-42255 - Workshop manual New Range Rover Evoque (LZ) 2021

SM-42255 - Workshop manual New Range Re	over Evoque (LZ) 2021	€ 0 X
h this document Q		← Show Summa
- Hide document tree		
Roof Pod	PUBLISHED: 13-MAY-2021	
AM/FM Antenna Amplifier	2021.0 NEW RANGE ROVER EVODUE (LZ), 415-01	
GNSS Signal Splitter Assembly	INFORMATION AND ENTERTAINMENT SYSTEM	
High Mounted Stop Lamp Filter		
Bluetooth® Antenna		
Instrument Panel Speaker		
Rear Door Tweeter Speaker		
Loadspace Speaker	REMOVAL AND INSTALLATION	
Telematic Control Unit Module		
Wireless Device Charger Module		
IG Antenna	REMOVAL	
Front Door Bass Speaker		
tear Door Bass Speaker	△ NOTE:	
Subwoofer Speaker		
Front Door Mid-Range Speaker	 This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct. 	
ront Door Tweeter Speaker	 This procedure contains illustrations showing certain components removed to provide extra clarity. 	
GSM 1 Antenna		
M Antenna Amplifier		
Front Portable Media Interface Panel		
Front Infotainment Control Module Back-up	1. Disconnect the 12 V eystem.	
Battery	Refer to: 12V System Disconnect (414-00 Battery and Charging System - General Information, General Procedures).	
DAB2 Antenna Amplifier		
: Lighting	2	
Electrical Distribution		
418-00: Module Communications Network		
418-02: Wiring Hamesses		
Specification		
Description and Operation		
Wiring Hamess - Vehicles With: Non-Electric 🧹		
Vehicles		

1.5.8 History

- The 'History' toolbox provides the previous activities that have been ran or applied to the vehicle VIN entered in to TOPIx over time.
- This function can additionally be used show the history on the vehicle which has been connected to TOPIx Cloud Diagnostics on one or more sessions over time.
- History details are not isolated to a user or retailer. It will present all activities performed over time in regards to the VIN in session. This is a time efficiency feature for retailers as it shows quickly and easily what has been ran on a vehicle and its outcome.
- Click **'View All History'** that toggles to **'View Recent History'** to expand or contract the diagnostic session start points that have occurred on the vehicle regardless of TOPIx user or location.
- Expand 'Fault Found' to show the RVC code, Retailer ID code and direct link to the advised repair instructions within TOPIx

VEHICLE DATA APPLICATIONS AND TROUBLESHOOTING Modules Fault Timeline DTC Helptext DTC Snapshot Vehicle lass read: 01-Jul-2021 1319:57 (UTC) Milleage Lass Read: Module Applications Module Programming Diagnostic Tests				Currently Viewing New Rang SALZB2CNXMH	ge Rover Evoque / L5 1135796	51 2021	Vehicle Summary > Vie Build date: 03-Feb-2021 Seiling Retailer: H8290 Warranty start date:	w all vehicle details	
Madels Put It Timeline DTC Helptett DTC Helptett DTC Snapshot Welche Jast read: 01-Jul-2021 151:95 (UTC) Millenge Last Read: 11:1km at 01-Jul-2021 151:95 (UTC) Module Y Description Status Y SGCM Status Generation Control Module Module Programming Diagnostic Test Toris Transmission Control Module Module Programming Diagnostic Test Testes C ABS Anti-Lock Brake System Control Module Module Programming Diagnostic Test Testes C ADOC Drover Assistance Domain Controller Dro 30-Apr-2021 09:35:19 User 92:383 Service Message Reset GradoS466 - V10.0 PCM Near Field Sensing Module Dro 30-Apr-2021 09:35:19 User 92:383 Service Message Reset GradoS466 - V10.0 Finished & Fault Found- PCM Near Field Sensing Module Dro Provertain Control Module Dro Provertain Control Module Dro Dro <th></th> <th>OSH RTS Diagnostics Vehicle Softwa</th> <th>are</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>		OSH RTS Diagnostics Vehicle Softwa	are						
Weikele last read: 01-Jul-2021 13:18:51 (UTL) Module Y Description Status Y SGCM Statur/Generator Control Module MD BELGARER TCM Transmission Control Module MD BELGARER ABS Anti-Lock Brake System Control Module MD BELGARER DADC Drever Asistance Domain Control Module GGG NFSM Near Field Sensing Module GGG PCM Power Steing Control Module GGG PSGM Power Steing Control Module GGG PCM Power Steing Control Module GGG PSGM Power Steing Control Module GGG PSGM Power Steing Control Module GGG BGA Audio Amplifier Module GGG BGG Body Control Module GGG Control Module GGGG RG JDGAMJ PSGM Power Steing Control Module GGG BGG GGGO/Control Module GGGG Control Module GGGGGGGG RG JDGAMJ PSGM Power Steing Control Module GGGGGGGG BGG GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	/EHICLE DATA				APPLICATIONS AND TROU	JBLESHOOTING			
Miningeneration Control Module Section Static Pice Pressing Requesting Control Module Control Module<	Modules Fault Timeline	DTC Helptext DTC Snapshot			Vehicle Applications Mode	ule Applications Me	odule Programming Diagnostic Tests	History DTCs	
SCM Stater/Generator Control Module IND SERVORE TCM Transmission Control Module IND SERVORE ABS Anti-Lock Brake System Control Module IND DACC Driver Assistance Domain Controller IND DAC Driver Assistance Domain Controller IND PCM Powertain Control Module IND PSGM Powertain Control Module IND PSGM Powertain Control Module IND Back Andi-Lock Brake System Control Module IND Brake IND IND Anti-Lock Brake System Control Module IND IND PCM Powertain Control Module IND PSGM Powertain Control Module IND Back Audio Amplifier Module IND Back IND IND Back IND IND Control Module IND IND Back IND IND IND IND IND IND IND IND IND IND IND IND IND I		м			View All History				
SSCM Statter/Generator Control Module No Esscores TCM Transmission Control Module NO SESCORE ABS Anti-Lock Brake System Control Module DTG DADC Driver Assistance Domain Controller DTG DADC Driver Assistance Domain Controller DTG NFSM Near Field Sensing Module DTG PCM Powertrain Control Module DTG PCM Powertrain Control Module DTG PSM Powertrain Control Module DTG PCM Powertrain Control Module DTG PSM Power Steering Control Module DTG RSG Audio Amplifier Module DTG RSG Soci Control Module DTG RSG Power Steering Control Module DTG RSG RSG LOGAMJ M2400H4870 Bluetont Antenna Test Finished ± RSG LOG Module Esscore DTG DTG DTG DTG RSG LOG MODULE Esscore DTG DTG DTG DTG DTG RSG LOG MODULE Esscore Esscore DTG DTG DT	Module T	Description	Status T		▼ Date Requested (UTC) ≎	▼ Agent Group \$		▼ State ≑	▼ Result \$
ICM IT ansmission Control Module It S seconds ABS Anti-Lock Brake System Control Module OrG DADC Driver Assistance Domain Controller OrG DADC Driver Assistance Domain Controller OrG NFSM Near Field Sensing Module OrG PCM Power Steering Control Module OrG NSM Audio Amplifier Module OrG AAM Audio Amplifier Module Execonds BCM Boog Control Module Execonds CCM Oncer Control Module Execonds	SGCM	Starter/Generator Control Module	NO RESPONSE	^			G2805486 - v10.0		
DDC Diver Assistance Domain Controller DTG 29-Apr-2021 19.4.30 M2400H4870 DBB Artema 2 Test Finited & Fault Found • NFSM Near Field Sensing Module DTG 29-Apr-2021 19.4.400 M2400H4870 DBB Artema 2 Test Finited & Fault Found • PCM Power fain Control Module DTG RCJ Co21 19.4.338 M2400H4870 DBB Artema 2 Test Finited & Fault Found • PSGM Power Steering Control Module DTG RGJDGAMJ M2400H4870 Steering Control Module No Fault Found • BCM Body Control Module Estance/DTG Steering Control Module Finited & No Fault Found • CCM Conse Control Module Estance/DTG Stering Control Module Stering Control Module No Fault Found •	ТСМ	Transmission Control Module	NO RESPONSE	- 11	30-Apr-2021 09:36:55	User-92383		Finished 📥	
Res Rear Field Sensing Module Data Antenna 2 Test Finithed & Fault Found PCM Powertrain Control Module Data Res Red C2P2/257 - V:0 Data Repair ID Repair ID PCM Powertrain Control Module Data Res Red Repair ID Repair ID SCM Power Steering Control Module Des Des Res RegUDAMJ M2400H4870 M2400H4870 New repair SCM Body Control Module Essention Scole Power Control Module No Fault Found Cruce Cruce Control Module Essention Power Control Module No Fault Found No Fault Found	ABS	Anti-Lock Brake System Control Module		_	30-Apr-2021 09:35:19	User-92383		Finished 🛓	
Near Field Sensing Module OTC G28224537-v10 PCM Power Steering Control Module OTC RVC Retailer ID Repair ID SCM Power Steering Control Module OTC RGJDQAMJ M2400H4870 View repair AAM Audio Amplifier Module RESONDOD Service Ontrol Module No Fault Found SCM Cruse Control Module ESCONDOD 29-Apr-2021 19:42:38 M2400H4870 Service Message Reset Finished & No Fault Found	DADC	Driver Assistance Domain Controller	отс						
Note Note Note Note Note Note SSCM Power Steering Control Module Extension Control RGJDQAMJ RGJDQAMJ N2400H4870 >View repair SSCM Audio Amplifier Module Extension Control State	VESM	Near Field Sensing Module	отс		29-Apr-2021 19:44:00	M2400H4870		Finished 🛎	Fault Found •
Audio Amplifier Module Cessonorio CAM Body Control Module Cessonorio Campa Control Module Cessonorio Campa Control Module Cessonorio	PCM	Powertrain Control Module	отс		RVC		Retailer ID	Repa	r ID
29-Apr-2021 19:43:38 M2400H4870 Bluetooth Antenna Test Finished & No Fault Found 32GM Control Module Secondotion 29-Apr-2021 19:43:38 M2400H4870 Service Message Reset Finished &	PSCM	Power Steering Control Module	DTC		RGJDQAMJ		M2400H4870	> View	repair
CCM Control Module Testson/Coordination CCM Cruise Control Module 198500/020 CCM Cruise Control Module 198500/020	AAM	Audio Amplifier Module	RESPONDED		29-Apr-2021 19:43:38	M2400H4870	Bluetooth Antenna Test	Finished 🛓	No Fault Found
	всм	Body Control Module	RESPONDED				G2823638 - v1.0		
	ССМ	Cruise Control Module	RESPONDED	~	29-Apr-2021 19:42:38	M2400H4870		Finished 📥	

- The data view can be sorted as follows:
 - Date Requested oldest to newest
 - Agent Group A-Z
 - Application Name A-Z

4 0 X A



Toolbox and Applications User Guide

- State A-Z
- Result A-Z
- Note: Filter and sort capability is available on all lists shown within the 'VEHICLE DATA' and 'MODULE APPLICATIONS AND TROUBLESHOOTING' panels.

'EHICLE DATA			APPLICATIONS AND TROUBLESHOOTING								
Modules Fault Timeline	DTC Helptext DTC Snapshot		Vehicle Applications Mod	ule Applications Module Pr	ogramming Diagnostic Tests	History DTCs					
Enter search term Module T	Description	Veh Mileage Last 1 Status T	Enter search term	Enter search term	Enter search term	Enter search term	Enter search term	ĵ			
SGCM	Starter/Generator Control Module		▼ Date Requested (UTC) -	▼ Agent Group \$	▼ Application \$	▼ State ≎	▼ Result ≎				
ТСМ	Transmission Control Module	NO RESPONSE	01-Jul-2021 14:12:01	User-92383	DAB Antenna 2 Test G2823637 - v1.0	Finished 📥	Fault Found	^			
ABS	Anti-Lock Brake System Control Module	отс	01-Jul-2021 14:07:09	User-92383	DAB Antenna 2 Test	Finished 📥	Fault Found	81			
DADC	Driver Assistance Domain Controller	DTC			G2823637 - v1.0						
NFSM	Near Field Sensing Module	DTC	01-Jul-2021 14:03:04	User-92383	DAB Antenna 2 Test G2823637 - v1.0	Finished 📥	Fault Found				
PCM	Powertrain Control Module	DTC	01-Jul-2021 14:01:42	User-92383	DAB Antenna 2 Test	Finished 📥	Fault Found				
PSCM	Power Steering Control Module	310			G2823637 - v1.0						
AAM	Audio Amplifier Module	RESPONDED	01-Jul-2021 14:00:29	User-92383	DAB Antenna 2 Test G2823637 - v1.0	Finished 📥	Fault Found				
BCM	Body Control Module	RESPONDED	01-Jul-2021 13:58:33	User-92383	Exterior Lamps Condensatio	Finished 📥	No Fault Found				
ССМ	Cruise Control Module	RESPONDED			n - Test G2749552 - v4.0						

1.5.9 DTCs

- The 'DTC' toolbox displays DTC codes, descriptions, timestamps and odometer value in kilometres or miles by use of the 'Odometer unit' preference selector.
- Upon selection of the 'Odometer unit' preference, it changes the odometer value for the DTCs shown within the 'Odometer reading' column and the 'Mileage Last Read' timestamp value.
- Note: If no DTCs are read from the vehicle, then this option is not available.
- The standard view is to show all captured DTCs from modules that have responded to communication requests by TOPIx Cloud Diagnostics.

aguar (Nev satze প্রাঞ্জ > Verhic	ntly Viewing N Range Rover Evo B2CNXMH135796 READY de home page	que / L551 :	2021 Vehicle Summ Build date: Selling Retal Warranty sta	03-Feb-2021	all vehicle details
Vehicle Documen	nts OSH RTS Diagnostics Vehicle Sol	tware					
VEHICLE DATA			APPLICATION	AND TROUBLE	SHOOTING		
Modules Fault Time	eline DTC Helptext DTC Snapshot		Vehicle Applica	tions Module A	pplications Module Programm	ing Diagnostic Tests	History DTCs
		Vehicle last read: 01-Jul-2021 13:19:57 (U Mileage Last Read: 11 km at 01-Jul-2021 13:18:51 (U		Print All DTCs	l		Odometer unit: km 💌
Module T	Description	Status T					
5GCM	Starter/Generator Control Module	NO RESPONSE	∧ T Module ≎	▼ DTC \$	▼ Description \$	▼ Date (UTC) ≎	▼ Odometer reading \$
CM	Transmission Control Module	NO RESPONSE	ABS	U0400-87	Invalid data received - Miss ing message	01-Jul-2021 14:27:37	•
IBS	Anti-Lock Brake System Control Module	סזכ	DADC	U0400-81	Invalid data received - Inval	01-Jul-2021 14:27:37	0
ADC	Driver Assistance Domain Controller	отс			id serial data received		
IFSM	Near Field Sensing Module	DTC	DADC	U0400-82	Invalid Data Received - Aliv e / Sequence counter incor	01-Jul-2021 14:27:37	0
CM	Powertrain Control Module	отс			rect / Not updated		
SCM	Power Steering Control Module	DTC	DADC	U0400-86	Invalid Data Received - Inv alid data received	01-Jul-2021 14:27:37	0
AM	Audio Amplifier Module	RESPONDED	DADC	U0400-87	Invalid data received - Miss ing message	01-Jul-2021 14:27:37	0
CM	Body Control Module	RESPONDED					
CM	Cruise Control Module	RESPONDED	▼ NFSM	U0400-81	Invalid data received - Inval id serial data received	01-Jul-2021 12:37:22	9

		nd Applicatio	ons Us	er Gula	2			
JAGUAR			Currently View New Ran salzbackski Salzbackski salzbac	ige Rover Evo https://doi.org/10.00000000000000000000000000000000000	que / L551 2	021 Vehicle Summa Build date: Selling Retaile Warranty start	03-Feb-2021 r: H8290	vehicle details
Vehicle Document	s OSH RTS Diagnostics Vehicle Softw	are						
VEHICLE DATA				APPLICATIONS	AND TROUBLES	HOOTING		
Modules Fault Timel	ine DTC Helptext DTC Snapshot			Vehicle Applicat	ions Module Ap	plications Module Programmir	g Diagnostic Tests H	listory DTCs
	N	Vehicle last read: 01-Jul-2021 13 lileage Last Read: 11 km at 01-Jul-2021 1						Odarovania (
Module T	Description	Stetus T		View All Pri	int All DTCs			Odometer unit: km
SGCM	Starter/Generator Control Module	NO RESPONSE	^	▼ Module ≎	▼ DTC \$	▼ Description ◆	▼ Date (UTC) ≎	▼ Odometer reading ≎
тсм	Transmission Control Module	NO RESPONSE		PSCM	U0080-82	Vehicle Communication Bu s F - Alive / sequence count	01-Jul-2021 14:27:37	0
ABS	Anti-Lock Brake System Control Module	отс				er incorrect / not updated		
DADC	Driver Assistance Domain Controller	отс		PSCM	U0080-87	Vehicle Communication Bu s F – Signal invalid	01-Jul-2021 14:27:37	0
NFSM	Near Field Sensing Module	отс		PSCM	U3000-47	Control Module - Watchdo	01-Jul-2021 14:27:37	0
РСМ	Powertrain Control Module	отс				g / Safety microC failure		
PSCM	Power Steering Control Module	отс						
ААМ	Audio Amplifier Module	RESPONDED						
BCM	Body Control Module	RESPONDED						

Select a DTC within the **APPLICATIONS AND TROUBLESHOOTING** panel and then click DTC Helptext', TOPIx ٠ Diagnostics will show the DTC Helptext within the VEHICLE DATA panel.

AGUAR LAND		Ne sai	entty Viewing W Rang ZB2CNXMH () READY shicle home pa	ge Rover Evoc 135796	ue / L551 20	021 Vehicle Summa Build date: Seiling Retaile Warranty start	03-Feb-2021 r: H8290	ali vehicle details	
VEHICLE DATA	DTC Helptext DTC Snapshot			APPLICATIONS Vehicle Application			g Diagnostic Tests	History DTCs	
Module	Power Steering Control Modu	le	^		t All DTCs			Odometer unit: km	•
Description Possible Causes	Vehicle Communication Bus	F - Alive / sequence counter incorrect / not updated	л.	▼ Module ≎ PSCM	▼ DTC \$ U0080-82	T Description Vehicle Communication Bu s F - Alive / sequence count	▼ Date (UTC) \$ 01-Jul-2021 14:27:37	▼ Odometer reading ≎ 0	$\boldsymbol{<}$
NOTE: Circuit reference - F NOTE: Circuit reference - F		NOTE: Do NOT replace any control modules just on the basis of this DTC	Ŀ	PSCM	U0080-87	er incorrect / not updated Vehicle Communication Bu s F – Signal invalid	01-Jul-2021 14:27:37	0	
NOTE: Circuit reference - F NOTE: Circuit reference - F • Invalid data received fro through the FlexRay bus • FlexRay bus circuit shor to power, open circuit, h	FR_BM - Im another control module s rt circuit to ground, short circuit	1. Using the Jaguar Land Rover approved diagnostic equipment, heark the snapshot data to determine the invalid data source control module. Check datalogger signal - Network Operating System ECU Local Signal Handie (IXC020). Refer to - Datalogger Signal OXC02 - In section 211-00 Diagnosis and Testing of the workshop manual. Check other modules for the same DTC indicating a fault in the wring hamess and/or incomatability in the software versions	D	PSCM	U3000-47	Control Module - Watchdo g / Safety microC failure	01-Jul-2021 14:27:37	0	
		 2. Refer to the electrical circuit diagrams and check th FlexRay bus circuit for short circuit to ground, short circuit to power, open circuit, high resistance 	e V						

- **New feature!** Select a DTC within the **APPLICATIONS AND TROUBLESHOOTING** panel and then click 'DTC ٠ Snapshot', TOPIx Diagnostics will show the DTC Snapshot data within the VEHICLE DATA panel.
- Note: DTC Snapshot data is shown if available to read from the selected module and DTC. Some DTCs do not ٠ capture the snapshot data.

	Toolbox and App	lications Us	er Guide	?			
Acticle Documents OSH RTS D	Bignostics Vehicle Software	Currently View New Ran SAL2B2CNXA 승객에 READY > Vehicle home	nge Rover Evoc 11135796	ue / L551 20	Vehicle Summary Build date: Seiling Retailer Werrenty start o	03-Feb-2021 H8290	cle details
/EHICLE DATA			APPLICATIONS	AND TROUBLES	HOOTING		
Modules Fault Timeline DTC Helphert		U0400-81 on module: NFSM	Vehicle Applicati	ons Module App	plications Module Programming	Diagnostic Tests Histo	ry DTCs
rigger event - The first time the DTC information was cle vstem malfunction (resulting in status bit 3 being set) wa	eared (including as a result of memory overflow), or		View All Prin	t All DTCs			Odometer unit: km 🝷
			T Module ≑	T DTC \$	▼ Description \$	▼ Date (UTC) ≑	T O I I' A
Description	Deading						▼ Odometer reading ≎
	Reading	_	NFSM	U0400-81	Invalid data received - Invali d serial data received	01-Jul-2021 12:37:22	9
Global real time	Reading 457.99832 9		NESM		Invalid data received - Invali		
Global real time Total distance	457.99832			U0400-81	Invalid data received - Invali d serial data received Invalid data received - Missi	01-Jul-2021 12:37:22	9
Global real time Total distance Main engine control module voltage supply	457.99832 9			U0400-81	Invalid data received - Invali d serial data received Invalid data received - Missi	01-Jul-2021 12:37:22	9
Slobal real time Iotal distance Aaln engine control module voltage supply n car temperature	457.99832 9 15.0			U0400-81	Invalid data received - Invali d serial data received Invalid data received - Missi	01-Jul-2021 12:37:22	9
Global real time Total distance Main engine control module voltage supply in car temperature External temperature	457 99832 9 15.0 7.0			U0400-81	Invalid data received - Invali d serial data received Invalid data received - Missi	01-Jul-2021 12:37:22	9
Global real time Total distance Main engine control module voltage supply in car temperature External temperature Power mode	457 99832 9 15.0 7.0 8.0			U0400-81	Invalid data received - Invali d serial data received Invalid data received - Missi	01-Jul-2021 12:37:22	9
Description Global real time Total distance Main engine control module voltage supply In car temperature External temperature Power mode Power mode - quality factor Engine RPM	457 99832 9 15.0 7.0 8.0 Running			U0400-81	Invalid data received - Invali d serial data received Invalid data received - Missi	01-Jul-2021 12:37:22	9

- The DTC information can be printed or saved to the local device by use of 'Print All DTCs'
- There are print options to choose that affect how the DTC data values are shown when printed or saved as a pdf document on the user device.
 - o Odometer Kilometres/miles
 - Include snapshot data for DTCs on modules
 - \circ ~ Check box to select all modules with DTCs, singular module or multiple modules
- Select 'OK' and another pop-up window will be shown to request the device user to locate and select a connected printer or to print to a pdf document and rename the document if desired, which will be saved to a selected destination on the user's device.

 Odometer in km Odometer in mi Print snapshot data for DTCs on modules: ABS BCM CHCM DADC GSM IDMA IPC NFSM PCM PSCM TCU TPM 	
OK Cancel	



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B1974-86	Rear View Mirror Module - Sig	nal Invalid
Snapshot Data	Description	Reading
	Global real time	148189.94
	Total distance	8955
	Main engine control module voltage supply	14.25
	In car temperature	5.0
	External temperature	5.0
	Power mode	Ignition On
	Power mode - quality factor	Power Mode Undefined
	Engine RPM	0.0
	Vehicle speed	0

- Click 'View All' and this will return the view to the complete list of captured DTCs.
- 'View All' toggles to 'View Selected' when the DTC panel shows all DTCs
- Should you double click a module, within the **VEHICLE DATA** panel, this will return the view to the complete list of captured DTCs.

1.6.1 Module Programming

- The 'Module Programing' tab (*new feature in development*) will show a list of modules where content is available within TOPIx Diagnostics to replace or update a module.
- To apply the latest available software and necessary set-up and configuration data to the selected module.

JAGUAR		C s q	urrently Viewi)efende ALEA7EU7L2 首() READY Vehicle home	er / L663 2020 2015068	Selling Retailer:	> View all vehicle details 10-Jui-2020 24069 15-Oct-2020	
Vehicle Documer	nts OSH RTS Diagnostics Vehicle Soft	ware					
VEHICLE DATA				APPLICATIONS AND TR	OUBLESHOOTING		
Modules Fault Time	eline DTC Helptext DTC Snapshot			Vehicle Applications N	Iodule Applications	lodule Programming Diagnostic Tests History	DTCs
	Mileag	Vehicle last read: 25-Jun-2021 08:54:3 ge Last Read: 11210 km at 25-Jun-2021 08:53:3		GWM			
Module T	Description	Status T		GWM			
BECM	Battery Energy Control Module	RESPONDED	^	▼ Application name \$		▼ Description ≎	Action
ССМ	Cruise Control Module	RESPONDED		GWM - Software - Replace	Module	Beta version - Do not use	Run
DDM	Driver Front Door Module	RESPONDED		GWM - Software - Update	Module	Beta version - Do not use	Run
DRDM	Driver Rear Door Module	RESPONDED					
DSM	Driver Front Seat Module	RESPONDED					
EPICD	Electric Power Inverter Converter Control Module 'D	RESPONDED					
GWM	Gateway Module A	RESPONDED					
НСМ	Headlamp Control Module A	RESPONDED					
НСМВ	Headlamp Control Module B	RESPONDED					
HVAC	HVAC Control Module	RESPONDED					
IGM	Infotainment Gateway Module	RESPONDED	~				



1.6.2 Data Logger

- User must 'Login' to the Diagnostic Device Agent to activate the 'Start Data Logger' function.
- 'Start Data Logger' is used for real-time monitoring of vehicle sensors and signals.
- 'Start Data Logger' will launch a new internet window/tab/screen for Data Logger use.
- For the best user experience Jaguar Land Rover recommend to use Google Chrome browser.
- Note: If the new internet window/tab/screen launches by Internet Explorer, it may not work, the URL address will need to be copied to Chrome browser.
- The Diagnostic Device Agent icon, within the lower tool tray, changes to a bar graph icon when Data Logger has started.
- Screen shows the Diagnostic Device Agent is connected and works correctly with connected vehicle VIN.
- Function tab changes to 'Stop Data Logger' to exit the mode when selected.
- The Diagnostic Device Agent will reconnect to the cloud environment upon 'Stop Data Logger' being clicked and Wi-Fi connection made.
- Refer to TOPIx Cloud Diagnostics Data Logger User Guide for additional information.



Item	Description
1	Start Data Logger
2	Stop Data Logger

1.6.3 Summary of other features

- Built-in log capture capability for delivery or functionality issues located within the DDA as 'Capture logs'.
- Simple refresh function shown on TOPIx screen if connection to a vehicle is lost.



2 Troubleshoot Guide

2.1 TOPIx Cloud Diagnostics does not deliver to expectations

2.1.1 Internet concerns

- Internet has lost connection to your provider check internet connection is complete and you can access TOPIx.
- Internet browser is incompatible or not up to date check system specifications and update if required.
- For the best user experience Jaguar Land Rover recommend to use Google Chrome browser.

2.1.2 Fitted module on vehicle is shown as no response

- the TOPIx Diagnostic screen by photo or screen print methods.
- Run 'Network Integrity Test' to refresh the vehicle module data collect.
- Check if the module with no response is Capture the subject of the customer complaint or symptoms of a vehicle feature/function that does not work.
 - If the above checks have been done and the cause of no module response has not been resolved, then report the concern to Jaguar Land Rover by means of TOPIx feedback or TOPIx Technical Support. Report the error message, actions done with images and data attached.

2.1.3 Vehicle Communication Interface (VCI) and vehicle communications

- Unable to connect to a vehicle check the VCI function lights indicate correct operation and connection to the vehicle. Resolve if there is an error with the mechanical connection to the vehicle.
- Unable to connect to a vehicle click Refresh Connection Status on the TOPIx screen to reset connection to the vehicle. It is normal for a delay to occur before the TOPIx screen refreshes. This is to allow for the TOPIx system to re-establish its connection.
- Make sure the Bosch VCI drivers are installed, especially if the user's machine does not have Pathfinder already installed.
- If the designated machine does not have Pathfinder installed the VCI drivers can be obtained by the link 'BOSCH VCI Drivers' (as shown in image below[®]).
- There is a 3 minute system timeout if connection to the vehicle is not made after login. User will need to logout and login again the DDA to retry for vehicle communication.

	Toolbox and Applications User Guide
e 🔮 <u>GB</u> / English 😨 H	elp, Support & System Status
LAN	
AGUAR	
INKS	
Jaguar ePQR - Electronic Pro	duct Quality Reporting
Land Rover ePQR - Electroni	c Product Quality Reporting
BOSCH VCI Drivers	
Diagnostic Device Agent	
Diagnostic Tool Vendor - for	enquiries please contact topix@jaguarlandrover.com
Jaguar Land Rover Equipme	nt Workshop
EU only access to all Module	s including Security - Accreditation Process Enquiries
Pathfinder Software Downloa	ad
SDD Manual Software Down	load
TOPIx Diagnostics Feedback	- for enquiries please contact TOPIxDiagnosticFeedback@bulkmail.jaguarlandrover.com
Jaguar Daimler Heritage Tru	st – for older publications not available on Topix or the Webshop
Jaguar Webshop	
Land Rover Webshop	
Vehicle Key Security Code R	equest Form - California Only
Adobe Acrobat Reader	
Adobe SVG Viewer	
Alternative fuels system man	ufacturer - for enquiries please contact msingh32@jaguarlandrover.com
Electronic Parts Catalogue	
Inspection and Testing Servio	ces (PTI)
Jaguar Excellence training	

2.2 Unexpected operation of the Diagnostic Device Agent

- The Diagnostic Device Agent may automatically logout should any of the following occur:
 - A significant duration of inactivity
 - TOPIx session has expired
 - Internet connection has been interrupted or lost over time
- Pathfinder does not communicate to a connected vehicle the computer Ethernet port may be still connected to the Diagnostic Device Agent. Right click the Diagnostic Device Agent icon and select Exit.
- Refer to 1.4.12 Exit in the Diagnostic Device Agent User and Troubleshoot Guide.
- Diagnostic Device Agent Login has a **3 minute timeout to complete**. User credentials are expected to be entered within 3 minutes after 'Login' is clicked. Failure to authenticate will occur if the login is not completed within 3 minutes and the login process must be restarted.



- Note: Use of diagnostic applications may timeout after 10 minutes of user inactivity of TOPIx Cloud Diagnostics.
- A user may have to resume or restart a new session if inactivity has occurred.



3 Frequently Asked Questions

Q - Does TOPIx Diagnostics and the Diagnostic Device Agent need additional hardware?

A - No – TOPIx cloud base diagnostics hosts the core software and does not require excessive hard disk space.

The latest Vehicle Communication Interface (VCI) is supported by the Diagnostic Device Agent.

Q - Will there be future demands from Jaguar Land Rover to retailers for new computer devices to be purchased as a minimum standard?

A - The vision is TOPIx Cloud Diagnostics and the Diagnostic Device Agent to be compatible with compatible devices.

Q - What internet browsers are required?

A - For the best possible experience Jaguar Land Rover recommend to use Google Chrome browser.

Q - Is there an offline capability?

A - No – TOPIx and the Diagnostic Device Agent require an internet connection at all times. To allow authentication, latest information and functionality to be available to the user. Offline capability can be used with Data Logger upon this new feature being released soon.

Q - How does a user extract vehicle diagnostic session data?

A - In the future, this is done automatically whilst the session is active and on closure of a session. Data is passed from the user device to the TOPIx system. Session data could be viewed within TOPIx by the user and Jaguar Land Rover Engineers.

Q - User is not able to run any applications in the list and are greyed out / inactive. How is this resolved?

A - If an Automatic Network Integrity Test (ANIT) or Network Integrity Test (NIT) is not completed, then it will not be possible to run any other application that needs communication to the vehicle.

Refresh the screen as this may provide the completed ANIT data to be shown on screen.

If the Network Integrity Test (NIT) is available to click 'Run' then select and allow to complete.

Logout the DDA, select Login and start a new session.