

TOPIx Cloud Diagnostics 工具箱和应用程序用户指南

版本号: 1.0







🔊 Diagnostic Device Agent

记录类型:版本 1.0



LAND--ROVER

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1 TOPIx Cloud Diagnostics 概述

1.1 什么是 TOPIx Cloud Diagnostics?

- TOPIX Cloud Diagnostics 是 TOPIx 环境中基于云的集成诊断工具。
- 对于 Jaguar 和 Land Rover 经销商而言,该系统始终能保持最新状态,并且经销商可以使用该系统直接 连接到车辆。
- TOPIx Cloud Diagnostics 是利用当前诊断设备连接到适用车辆的软件。
- 无需安装只能提供过时解决方案的大型软件。
- 为用户提供具有时间效率优势的新体验。
- Diagnostic Device Agent 与 TOPIx Cloud Diagnostics 同步,以显示车辆数据以及所有预期的 Jaguar Land Rover 认可的诊断工具的特性和功能。



1.2 适用对象

- 适用于希望连接 TOPIx 以维护 Jaguar Land Rover 车辆的用户。
- 为了获得最佳用户体验,Jaguar Land Rover 建议使用 Google Chrome 浏览器。
- 为用户提供有关正确和最新信息的指导。
- 在维修开始时向用户提供所有信息、零部件和人工详细信息。

1.3 TOPIx Diagnostic Device Agent (DDA) 的安装

- 通过 URL 地址 <u>https://topix.jaguar.jlrext.com/</u>或 <u>https://topix.landrover.jlrext.com/</u>访问 TOPIx
- 单击下方工具栏中的"Links"(连接)。
- 单击"Diagnostic Device Agent"。
- 按照屏幕上的提示运行和完成 Diagnostic Device Agent 的安装。
- 软件安装完成后,Diagnostic Device Agent 图标将显示在 Windows 下方工具托盘中(如下图 🔀 所示)。



• 如果未显示此图标,请单击"隐藏的图标"三角形符号 🚺 以展开图像,从而显示图标托盘。



1.4 TOPIx Diagnostic Device Agent (DDA) 的自动更新

- 安装 DDA 后,该软件将自动发送所有后续版本。
- 用户将会看到安装或取消选项。我们建议安装更新,以确保使用最新版本。
- 如果用户决定取消提供的更新,则在未安装增强功能的情况下,用户仍然可以使用当前版本的 DDA。
 但是,在首次发布更新之后的第四天,用户将被禁止使用 DDA,直到应用最新的更新。
- 要进行安装,用户不得连接车辆,且必须注销 DDA。
- 屏幕上可能会出现一条弹出消息,详细说明更新和完成的阶段。
- 如有必要,请参阅 "TOPIx Cloud Diagnostics Diagnostic Device Agent 用户和故障排除指南",以了解 更多信息。[TOPIx 文档导航路径 - 浏览全部 > 诊断 > 常规 > 增强诊断和测试]。

1.5 有哪些功能可用?

本用户指南介绍了 TOPIX Cloud Diagnostics 工具箱和应用程序中提供的关键增强功能。

1.5.1 TOPIx 登录

- 作为 TOPIx 用户,您可能已登录到 TOPIx。但是,要使用 TOPIx Cloud Diagnostics,您需要通过 Diagnostic Device Agent 登录。
 - 您将注意到,如果您已登录 TOPIx,则屏幕上会出现一个新选项卡,以允许您登录和使用 TOPIx Cloud Diagnostics。
- 您可以通过 DDA 托盘图标或 Windows 开始菜单登录。

| 序号 | 说明 |
|----|--------|
| 1 | DDA 登录 |
| 2 | 开始菜单登录 |



• 通过 DDA 登录后,您将看到来自 Diagnostic Device Agent 托盘图标的弹出窗口,指示用户登录已完成,如果车辆已连接,则会显示车辆识别号 (VIN)和连接状态的弹出窗口。



1.5.2 车辆连接

- 将最新的 Jaguar Land Rover 车辆通信接口 (VCI) 连接到车辆和诊断计算机。
- DDA 将检测到与车辆的 VCI 连接,并从车辆上读取 VIN。
- 屏幕上将显示 VIN 弹出消息: "Established connection with vehicle xxxxxxxxxxxxxxx.Would you like to open a TOPIx vehicle page?" (已建立与车辆 xxxxxxxxxxxxxxxx 之间的连接。是否要打开 TOPIx 车 辆页面?)
- 单击 "Yes" (是)打开新的 TOPIx 页面或单击 "No" (否)以停留在同一 TOPIx 页面上, 然后必须单击 "Diagnostics" (诊断)选项卡, 否则需要刷新原 TOPIx 页面才能显示已连接的车辆的状态。
- 成功连接到车辆后, DDA 图标上的红色指示灯将变为绿色。
- DDA 将指示 TOPIx Cloud 已连接,并且带有扳手图标的"当前正在查看的"车辆将伴随以绿色突出显示的 READY (就绪) (在 TOPIx 横幅内)一起显示出来。然后,系统将会自动收集车辆模块数据。这称为自动网络完好性测试 (ANIT)。
- 如果在过去 24 小时内未执行自动网络完好性测试 (ANIT), DDA 将执行自动网络完好性测试 (ANIT); 如 果在过去 24 小时内执行了 ANIT,则系统将显示上次读取的数据。
- **注意:**如果未完成自动网络完好性测试 (ANIT) 或网络完好性测试 (NIT),则系统将无法运行需要与车辆 通信的任何其他应用程序。(请参阅第 3 节 **"常见问题"**以获得更多帮助)。
- 如果您不选择等待(这种做法是可以接受的),则您可以继续使用 TOPIx 的其他功能。但是,在显示 READY(就绪)图标并完成 ANIT 或 NIT 之前,您将无法使用 TOPIx 的"Diagnostics"(诊断)选项卡中 的任何应用程序。

| | TOPIx Enhancements Please click here to see what is changing > View |
|---|--|
| VIN SELECTION | |
| Please enter your 17 character Vehicle Identification Number | Listed below are the most recent vehicles for rblackle rblackle. |
| OR . | O1 Discovery Spot / L550 2021 ALC DAXABANANDAS25. In for Other Last activity: 20 40:5202 06 21 (* Objects: Device Apert (* Objects: Device Apert |
| Eller üse ası o Unalaktera | 02 The resion has repired. Recentlying the Tothis to continue using Diagnostic Device Agent. |
| Find Search via Model Selection | 03 New Range Rover Evoque / L551 2021 salza/2A/MGMH28012 In for: Other Last activity: 28-Apr-2021 t0 26 Last event: Service History |
| | 04 New Range Rover Evoque / L5512021 sALZAZAMMH/128456 in for: Other Last activity: 27-Apr-202112-29 Last event: Read Document Knocking Noise |
| | 05 New Range Rover Evoque / L5512021 sALZA28TXMH03336 Last activity: 27 Apr-2021 09:36 Last event: Read Document Fuel Level Sens |
| | OG New Range Rover Evoque / L551 2021 SALZA28N0MH125203 In for. Other Last activity: 26-Apr-2021 12-31 Last event: Read Document Knocking Noise |
| ks Contact us Cookie Policy Privacy policy © 2021 Terms and condition | Diagnostic Device Agent is running * × |
| | - V = # = + 4 155 |

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|--|--|------------------------|
| | TOPIx Enhancements Presse click here to see what is chenging > View | |
| VIN SELECTION | Listed below are the most recent vehicles for rblackie rblackie. | All Vehicles 👻 |
| OR Enter the last & characters | 01 Discovery Sport / L550 2021 SALCT20X88H486525 In for Other Last activity: 29 Apr 2021 08:21 Last event. Read Document TT/RP Build | |
| | 02 1 Bablished connection with which 54,2530044135796. Would you like to goon TOPs which a page? 1 Control of the second | |
| Fig | 03 New Range Rover Evoque / L551 2021 SALZA2ANBMHI28012 In for: Other Last activity: 28-Apr-2021 10.26 Last event: Service History | |
| | 0.4 New Range Rover Evoque / L551 2021 SALZA2ANIMH/128466 In for: Other Last activity: 27 Apr-2021 12.29 Last event. Read Document Knocking Not | ie |
| | 05 New Range Rover Evoque / L551 2021 SALZA2ETXMH103336 Last adWrty: 27-Apr-2021 09:36 Last event: Read Document Fuel Level Se | 15 |
| | 06 New Range Rover Evoque / L551 2021 S&LZA2BNOMH125203 In for: Other Last activity: 26-Apr-2021 12-31 Last event: Read Document Knocking Not | ie |
| Contact us Cookie Policy Privacy policy © 2021 Terms and condition | O7 Discoveny / LAG2 2019 O Connection Successful Successful Successful | Q X ud environment. |

• 此时,您需要等待车辆"Ready" (就绪)图标出现,如下所示。

| | | Currently Viewin New Rang SALZB2CNXMF CON READY > Vehicle home p | ng ge Rover Evoque / L551 2021 H135796 Jage | Vehicle Summary > View II vehicle details Build deter: 17-Feb-2021 Selling Retailer: HI2200 Warrenty start dete: Image: Selling Retailer in the sell | | | |
|--|---|--|---|--|--|--|--|
| OPTION SELECTION | | | OUTSTANDING CAMPAIGNS | | | | |
| To proceed, please select which activity you are going to perform fro | m the list below. | | There are currently no outstanding Field Service Actions for this vehicle | | | | |
| Maintenance, PDI & OSH The vehicle requires a service or a pre-delivery inspection. | Accessory and Configuration The vehicle requires an accessory or configurable option | in. | MOT SEARCH (UK ONLY) | | | | |
| Fault and Breakdown There is a concern on the vehicle that needs rectification. | Browse all Just take a look around. | | Registration Plate Find | | | | |

1.5.3 诊断工具箱

- 单击"Browse all"(浏览全部)选择框,接下来所有 TOPIx 功能和内容选项卡都将显示出来。
- 单击"Diagnostics"(诊断)。
- 选择"Diagnostics"(诊断)选项卡后,屏幕上将会显示一条警告消息。此消息将每 24 小时显示 一次。
- 点击"OK"(确定)以同意并继续。

| 🐵 Home 🛛 GB / English 🎄 intackie rblackie 🕫 👻 🔍 Help, Support & System Status | | A Notification |
|---|---|----------------|
| | WARNING! Vertical Summary Vertical Summary Build data 0.446.00.01 0.446.00.01 Sy using this Service Tool you agree to the following statements: 0.446.00.01 0.446.00.01 Sy using this Service Tool you agree to the following statements: 0.446.00.01 0.446.00.01 Vous have read the workshop manual Section 1 General Information Wereining state data 0.446.00.01 | |
| Vehicle Cocuments C6H RTS Diagnostics Vehicle Software | Understand the use of this tool for PDL Service or Diagnostic / Repair operations, To be use for Jaguar Land Rovey (LRI) vehicles only vous have completed the minimum level of LRI Service Tool training, vous have cal legal Health mod Safety requirements for your country, vou athere to all your retailer workshop policy and procedures. | |
| | ок | |
| | ••• | |

如果您决定在未显示 READY (就绪)图标的情况下使用"Diagnostics"(诊断)选项卡,则屏幕上会显示一条红色警告消息。

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• 在选择"Refresh Connection Status"(刷新连接状态)之前,请等待一小段时间(10-20秒)。

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• 使用"Dismiss"(消除)按钮将清除警告消息,但执行此操作不等同于手动刷新状态。但是,完成车 辆连接和模块数据收集之后,READY(就绪)图标将会显示出来。

| JAGUAR | | Currently New SALZB2 > Vehicle | Viewing Range CNXMH13 home page | e Rover Evoque / L551 2021 5796 | Vehicle Summary Build date: Selling Retailer: Warranty start date | View all vehic 03-Feb-2021 H8290 K | e details | |
|--------------------------|---|---|--|---|--|--|-------------------------|---------|
| Vehicle Documents | OSH RTS Diagnostics Vehicle Soft | tware | | | | | | |
| • Vehicle is not connect | ted. Please check all physical connections and then click | k to refresh. | | | | Re | iresh Connection Status | lismiss |
| VEHICLE DATA | | | | APPLICATIONS AND TROUBLESHOOTIN | G | | | |
| Modules Fault Timelin | e DTC Helptext DTC Snapshot | | | Vehicle Applications Module Applications | Module Programming | Diagnostic Tests Histor | y DTCs | |
| | | Vehicle last read: 01-Jul-2021 13:19:57 (UTC Mileage Last Read: 11 km at 01-Jul-2021 13:18:51 (UTC |) | | | | | |
| Module T | Description | Status T | | ▼ Application name ≎ | τ 🛛 | escription 🗢 | Action | |
| SGCM | Starter/Generator Control Module | NO RESPONSE | ` | Activate Display Test Pattern | Betav | ersion - Do not use | Run | ^ |
| TCM | Transmission Control Module | NO RESPONSE | | Activate Display Test Pattern | Descr | ption not available. | | |
| ABS | Anti-Lock Brake System Control Module | DTC | | | | | RGII | |
| DADC | Driver Assistance Domain Controller | DTC | | Activate Display Test Pattern | Descr | iption not available. | Run | |
| NFSM | Near Field Sensing Module | отс | | Activata Converti Padar Sanica Alignment | Descr | intion not susilable. | | |
| PCM | Powertrain Control Module | DTC | | Activate Formard Roadil Service Alignment | Desci | pron not evenable. | Run | |
| PSCM | Power Steering Control Module | DTC | | Activity Key | Betav | ersion - Do not use | Run | |
| AAM | Audio Amplifier Module | RESPONDED | | Actuators End Stop Dataction | Pota | preion - Do not uso | | |
| BCM | Body Control Module | RESPONDED | | Actuators and stop perection | beta | eraion - Do not use | Run | |
| ССМ | Cruise Control Module | RESPONDED | - | Add Additional Keys | Betav | ersion - Do not use | Run | ~ |
| | | | | | | | | |

• 当显示 READY (就绪)图标时,即表示车辆已准备好运行"诊断"

| JAGUAR | TOPIx | | Currently Viewing New Range SALZB2CNXMH1 CON READY | e Rover Evoque / L551 2021 35796 | Vehicle Summary Build date: Selling Retailer: Warrenty start date: | > View 03-Feb-2021 H8290 | all vehicle details |
|-----------------------------------|----------------------------------|--|---|--|---|--------------------------------|---------------------|
| Vehicle Documents OSH | RTS Diagnostics Vehicle Software | | | - / | | | |
| VEHICLE DATA | | | | APPLICATIONS AND TROUBLESHOOTING | | | |
| Modules Fault Timeline DTC Helpte | ext DTC Snapshot | | | Vehicle Applications Module Applications | Module Programming D | lagnostic Tests | History DTCs |
| | Ve Mileage Las | hicle last read: 01-Jul-2021 1 t Read: 11 km at 01-Jul-2021 1 | 3:19:57 (UTC) 13:18:51 (UTC) | | | | |
| Module T Descript | ion | Status T | | ▼ Application name \$ | ₹ Des | cription \$ | Action |
| SGCM Starter/Ge | enerator Control Module | NO RESPONSE | ^ | Clear All DTC(s) | Clear | all stored diagno: | stic trouble co RUN |
| TCM Transmiss | sion Control Module | NO RESPONSE | | | | | |
| ABS Anti-Lock | Brake System Control Module | DTC | | Customer Personalisation Features | This a | pplication is requ | RUN |
| DADC Driver As | sistance Domain Controller | DTC | | Network Integrity Test | Network Integrity Test This appli | | ad Diagnostic T RUN |
| NFSM Near Field | d Sensing Module | DTC | | | = | | |
| PCM Powertrai | n Control Module | DTC | | Pre-Delivery Inspection | This application will configure the veh. | | nfigure the veh RUN |
| PSCM Power Ste | eering Control Module | DTC | | Service Message Reset | Oil, In | spection and Serv | vice Message r RUN |
| AAM Audio Am | plifier Module | RESPONDED | | | | | |
| BCM Body Con | trol Module | RESPONDED | | | | | |
| CCM Cruise Co | ntrol Module | RESPONDED | ~ | | | | |
| | | | | | | | |

- 如果在过去 24 小时内未进行模块数据收集, "VEHICLE DATA" (车辆数据)面板中将显示一条消息, 指示正在进行"网络完好性测试",请等待几秒钟让屏幕自动刷新或手动刷新 TOPIx 页面。
- 时间戳和里程显示在"VEHICLE DATA"(车辆数据)面板中,这会告知用户上次读取车辆和获取模块 数据的时间。
 - 绿色 RESPONDED(响应)= 已实现与模块的通信,并且未存储 DTC。
 - 琥珀色 DTC = 已实现与模块的通信,并且存储了一个或多个 DTC。
 - 红色 NO RESPONSE(无响应)= 未实现与模块的通信,需要调查。

1.5.4 故障时间表

- [•] "Fault Timeline"(故障时间表)功能显示 DTC 的发生情况并注明每个事件的日期和时间。
- 可以将计算机光标悬停在每个变化点上以显示更多信息。
- 您可以通过在 DTC 周围画一个框来放大
- 当使用 "APPLICATIONS AND TROUBLESHOOTING" (应用程序和故障排除)面板中的 "DTC" 功能时, "DTC Helptext" (DTC 帮助文本)和 "DTC Snapshot" (DTC 快照)将变为活动状态。请参阅第1.5.9 节 DTC



| | Currently Viewing New Range Rove saL282cNXHH35796 승객() (READY > Vehicle home page | vehicle Build Beilin Warre | Summary > View all vehicle detail date: 03-Feb-2021 g Retalier: H8290 anty stert date: | |
|--|---|---|---|--------|
| Vehicle Documents OSH RTS Diagnostics Vehicle Software | | | | |
| VEHICLE DATA | APPLIC | ATIONS AND TROUBLESHOOTING | | |
| Module East Timeline DTC Helptext DTC Snapshot | Vehick | Applications Module Applications Module Pro | gramming Diagnostic Tests History D1 | Cs |
| | T Apr | olication name \$ | ▼ Description \$ | Action |
| 9 (1) 8 | Clear | All DTC(s) | Clear all stored diagnostic trouble co | RUN |
| (un) 7 | Custo | omer Personalisation Features | This application is required to be ran i. | RUN |
| 6 George S | Netw | ork Integrity Test | This application will read Diagnostic T | RUN |
| - 000 c | Pre-D | elivery Inspection | This application will configure the veh | RUN |
| 2 | Servi | ce Message Reset | Oil, Inspection and Service Message r | RUN |
| 1 | | | | |
| Mi 4, 2021, T3.45 07 3:50 14:10 14:10 14:20 2021, 2021 Date (UTC) | 14:30 | | | |

1.5.5 车辆应用程序

- "Vehicle Applications"(车辆应用程序)工具箱将显示所有适用的应用程序,这些应用程序是通用车辆功能,而非特定于某个模块或车辆规格。例如,Network Integrity Test (网络完好性测试)、Pre-Delivery Inspection (交车前检查)和Service Message Reset (保养信息重置)。
- 单击所需应用程序上的"RUN"(运行)以启动并应用对车辆的更改。
 - 注意:从云服务器下载所选应用程序数据、将数据应用到 DDA 以及在 TOPIx 中启动应用程序 时,系统将会出现短暂的延迟。
- 按照说明完成 TOPIx 给出的针对所选应用程序的指令。

| | JUAI | | Ver Ver | ТС | | | | Currently Viet New Ra salzb2cNx ଜଙ୍କି । READ > Vehicle hom | wing INGE MH13! MH13! MH13! | Rover Evoque / L551 | I 2021 | Vehicle Summary Build date: Selling Retailer: Warranty start date | > Vie 03-Feb-2021 H8290 | w all vehicle details | | |
|-------|---------------|----------------|------------|--------------|--------------------|------------------|---|--|---|--------------------------------|----------------|--|-------------------------------|-----------------------|--------|--|
| Vehic | cle | Documents | OSH | RTS | Diagnostics | Vehicle Software | | | | | | | | | | |
| VEH | IICLE D | ATA | | | | | | | • | APPLICATIONS AND TROUBLE | ESHOOTING | | | | | |
| Mod | dules | Fault Timeline | DTC Hel | lptext D | TC Snapshot | | | | | Vehicle Applications Module A | Applications M | lodule Programming | Diagnostic Tests | History DTCs | | |
| | | | | | | Mileage | Vehicle last read: 01-Jul- Last Read: 11 km at 01-Jul- | 2021 13:19:57 (UTC) 2021 13:18:51 (UTC) | | | | | | | | |
| Mod | dule T | | Descri | iption | | | Status T | | | ▼ Application name ≎ | | T De | escription 🗢 | | Action | |
| SGC | СМ | | Starter/ | /Generator | Control Module | | NO RESPONSE | ^ | | Clear All DTC(s) | | Clea | ar all stored diagr | ostic trouble co | RUN | |
| TCM | И | | Transm | hission Cor | trol Module | | NO RESPONSE | - 1 | | Customer Personalisation Featu | ures | This | application is rea | quired to be ran i | RUN | |
| ABS | ŝ | | Anti-Lo | ick Brake S | System Control Mod | Jule | DTC | | | | | | | | | |
| DAD | C | | Driver A | Assistance | Domain Controller | | DTC | | | Network Integrity Test | | This | application will r | ead Diagnostic T | RUN | |
| NFS | SM | | Near Fi | ield Sensin | ig Module | | DTC | | | Pre-Delivery Inspection | | This | application will c | opficure the veh | | |
| PCM | и | | Powert | train Contro | ol Module | | DTC | | | rie-sewery aspection | | This | approadon will c | ungure die ven | RUN | |
| PSC | СМ | | Power ! | Steering C | ontrol Module | | отс | | | Service Message Reset | | Oil, | Inspection and Se | ervice Message r | RUN | |
| AAN | N | | Audio A | Amplifier M | lodule | | RESPONDED | | | | | | | | | |
| BCN | N | | Body C | Control Mod | dule | | RESPONDED | | | | | | | | | |
| CCN | N | | Cruise | Control Mo | odule | | RESPONDED | ~ | | | | | | | | |
| | | | | | | | | | | | | | | | | |

记录类型:版本 1.0



1.5.6 模块应用程序

- [●] "Module Applications" (模块应用程序)工具箱将显示分配给特定模块的所有适用应用程序。*该功能 以前在 Pathfinder 上被称为 "ECU 诊断"。*
- 要访问此功能,请从 VEHICLE DATA(车辆数据)面板中的左侧选择一个模块。*该功能以前在* Pathfinder 上被称为 "ECU 功能"。
- 双击任一模块将显示所有模块应用程序的列表。

| | | ୁ ମ ହା ଜୁଆ | Urrently Viewin New Rang ALZB2CNXMH (I) READY Vehicle home p | g ge Rover Evoque / L551 2021 1135796 9ge | Vehicle Summary > View all vehicle d Build date: 03-Feb-2021 Selling Retailer: H6290 Werrenty start date: | etails | |
|------------------------|---------------------------------------|--|--|--|---|--------|--|
| Vehicle Documents | OSH RTS Diagnostics Vehicle Software | | | | | | |
| VEHICLE DATA | | | | APPLICATIONS AND TROUBLESHOOTING | | | |
| Modules Fault Timeline | DTC Helptext DTC Snapshot | | | Vehicle Applications Module Applications | Module Programming Diagnostic Tests History | DTCs | |
| | V4 Mileage La | ehicle last read: 01-Jul-2021 13:19:5 st Read: 11 km at 01-Jul-2021 13:18:5 | 57 (UTC) 51 (UTC) | | | | |
| Module T | Description | Status T | | PSCM | | | |
| SGCM | Starter/Generator Control Module | NO RESPONSE | ^ | ▼ Application name ≎ | ▼ Description ≎ | Action | |
| TCM | Transmission Control Module | NO RESPONSE | | Lock Steering Tune to vehicle | Beta version - Do not use | Run | |
| ABS | Anti-Lock Brake System Control Module | DTC | | Reset Temperature Histogram Counters | Beta version - Do not use | Run | |
| DADC | Driver Assistance Domain Controller | ртс | | | | | |
| NFSM | Near Field Sensing Module | DTC | | Set Into Customer Mode | Beta version - Do not use | Run | |
| PCM | Powertrain Control Module | DTC | | | | | |
| PSCM | Power Steering Control Module | DTC | | | | | |
| AAM | Audio Amplifier Module | RESPONDED | | | | | |
| BCM | Body Control Module | RESPONDED | | | | | |
| CCM | Cruise Control Module | RESPONDED | ~ | | | | |
| | | | | | | | |

| JAGUAR | | Currently New SALZB2 & 10 > Vehicle | y Viewing Range CNXMH13 READY e home pag | e Rover Evoque / L551 2021 35796 | Vehicle Summary > View all vehicle de Build date: 03-Feb-2021 Seiling Retailer: H8290 Warranty start date: | Aailis | |
|------------------------|---------------------------------------|---|--|---|---|--------|---|
| Vehicle Documents | OSH RTS Diagnostics Vehicle Software | | | | | | |
| VEHICLE DATA | | | | APPLICATIONS AND TROUBLESHOOTING | | | |
| Modules Fault Timeline | DTC Helptext DTC Snapshot | | | Vehicle Applications Module Applications Mo | dule Programming Diagnostic Tests History | DTCs | |
| | Mileage | Vehicle last read: 01-Jul-2021 13:19:57 (UT Last Read: 11 km at 01-Jul-2021 13:18:51 (UT | C) C) | | | | |
| 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 | | | Activate Display Test Pattern | Description not available. | Run | |
| ABS | Anti-Lock Brake System Control Module | DTC | | | | | |
| DADC | Driver Assistance Domain Controller | ртс | | Activate Display Test Pattern | Description not available. | Run | |
| NFSM | Near Field Sensing Module | DTC | | Activate Forward Radar Service Alignment | Description not available. | | |
| PCM | Powertrain Control Module | DTC | | | | Run | |
| PSCM | Power Steering Control Module DTC | | | Activity Key | Beta version - Do not use | Run | |
| AAM | Audio Amplifier Module | RESPONDED | | Actuators End Stop Dataction | Retaiversion - Do not use | | |
| BCM | Body Control Module | RESPONDED | | Accession and and presidential | Determinent - Do not use | Run | |
| ССМ | Cruise Control Module | RESPONDED | ~ | Add Additional Keys | Beta version - Do not use | Run | ~ |
| | | | | | | | |



1.5.7 诊断测试

- [●] "Diagnostic Tests" (诊断测试)工具箱包含可以在 TOPIx 中选择和执行的特定测试。*该功能以前在* Pathfinder 上被称为"指导型诊断"。
- 大多数诊断测试不需要与车辆通信,因为它们包括对车辆进行的物理和目视检查。如果需要 VCI 并且必须建立诊断通信,该说明将告知用户。
- 按照屏幕上的说明执行测试。
- 如果需要,可以重新运行测试以验证维修。
- 如果发现故障,TOPIx 将创建一个维修验证代码 (RVC) 并在屏幕上显示该代码,以便用户将该代码记录 在其工单和保修索赔提交系统中。每个 RVC 对于经销商用户组、诊断测试和针对发现的故障的维修而 言都是唯一的。这意味着经销商处的单个授权用户可以继续/恢复/重新运行相同的测试,并针对保修维 修索赔使用相同的 RVC 代码。
- 此代码用于确认您可以根据诊断结果执行 TOPIx 确定的维修。

| /EHICLE DATA | | | | APPLICATIONS AND TROUBLESHOOTING | G | | |
|--|--|--|--------------|--|-------------------------------------|--------------|-------------|
| Modules Fault Tim | eline DTC Helptext DTC Snapshot | | | Vehicle Applications Module Applications | Module Programming Diagnostic Tests | History DTCs | |
| | | Vehicle last read: 01-Jul-2021 13 | :19:57 (UTC) | | | | |
| lodule T | N Description | fileage Last Read: 11 km at 01-Jul-2021 13 Status T | :18:51 (UTC) | Vehicle Tests ▼ Application name ≎ | Description | Action | ▼ Re |
| GCM | Starter/Generator Control Module | NO RESPONSE | ^ | | | | |
| CM | 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 | |
| IFSM | Near Field Sensing Module | DTC | | | | _ | |
| 'CM | Powertrain Control Module | DTC | | Diesel Fuel Injector Test | Beta version - Do not use | RUN | |
| SCM | Power Steering Control Module | DTC | | | | | |
| AM | Audio Amplifier Module | RESPONDED | | Diecel Particulate Litter Pattle - Test | Pata vareion - Do not usa | | |
| ICM | Body Control Module | RESPONDED | | Dieser Fancolate Finter Ratue - Fest | Deta Veraion - Do not dae | RUN | |
| | | | | | | | |
| | Cruise Control Module | RESPONDED | ¥ | Diesel Particulate Either Test | Reta version - Do not use | - | |
| | Cruise Control Module | REPORT | ~ | Placed Particulate Filter Text | Reta version - No not use | - | |
| | Cruise Control Module | REPORTED | ~ | Placed Particulate Filter Text | Beta version - Ro not use | - | |
| DLBOX NNING APPLIC | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS | REPORTED | v | Placed Particulate Filter Text | Beta version - Ro not use | | |
| DLBOX NNING APPLIC DAB2 ANT 0 NOTE | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS | REPORT | v | Placel Particulate Filter Text | Beta version - Ro not use | | |
| DLBOX NNING APPLIC DAB2 ANT O NOTE This diagnostic te | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS at will check the circuit for the following: | REPORTO | v | Pieseel Partirutate Filter Taxt | Reta version - Ro not use | | |
| OLBOX NNING APPLIC DAB2 ANT O NOTE This diagnostic te 1. Faulty harner 2. Faulty harner | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS at will check the circuit for the following: acconnector aumotifier | REPORT | v | Pieseel Partirutate Filter Tant | Reta version - Ro not use | | |
| OLBOX NNING APPLIC DAB2 ANT O NOTE This diagnostic te 1. Faulty harner 2. Faulty antern 3. Faulty front 1 | Cruise Control Module (IGM / ICCM) | REPORT | × | Piecel Partirutate Filter Tant | Reta version - Ro not use | | |
| DLBOX NNING APPLIC DAB2 ANT O NOTE This diagnostic te 1. Faulty harnes 2. Faulty antern 3. Faulty Fort I | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS at will check the circuit for the following: acconnector a amplifier indiaimment Control Module (IGM / ICCM) | REPORCED | v | Placel Partirulate Filter Tant | Reta version - Ro not use | | |
| OLBOX NNING APPLIC DAB2 ANT O NOTE This diagnostic fe 1. Faulty harner 2. Faulty anterr 3. Faulty arterr 3. Faulty Front 1 | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS at will check the circuit for the following: acconnector a amplifier infolainment Control Module (IGM / /CCM) | REPORCED | v | Placel Partirulate Filter Taut | Reta version - Ro not use | | |
| DLBOX NNING APPLIC DAB2 ANT ONTE This diagnostic ter 1. Faulty harner 2. Faulty antern 3. Faulty Front I | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS at will check the circuit for the following: acconnector a amplifier indiainment Control Module (IGM / ICCM) | REPORCED | v | Placel Partirulate Filter Taut | Reta version - Ro not use | | |
| DLBOX NNING APPLIC DAB2 ANT ONTE This diagnostic te 1. Faulty harner 2. Faulty antern 3. Faulty Front I | Cruise Control Module ATION - DAB ANTENNA 2 TEST ENNA CIRCUIT DIAGNOSTICS at will check the circuil for the following: acconnector a amplifier indiainment Control Module (IGM / ICCM) | REPORCED | v | Placel Partirulata Filter Taut | Reta version - Ro not use | | A |
| COM DLBOX NNING APPLIC DAB2 ANT O NOTE This diagnostic fer 1. Faulty harner 2. Faulty harner 3. Faulty Front I Continue | Cruise Control Module (GM / ICCM) | | v | Piecel Particulate Filter Text | Reta version - Ro not use | | |

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?

发布日期: 2021年7月8日



LAND--ROVER

TOPIx Cloud Diagnostics 工具箱和应用程序用户指南

| TOOLBOX |
|---|
| RUNNING APPLICATION - DAB ANTENNA 2 TEST |
| DAB2 ANTENNA AMPLIFIER CONNECTOR CHECK Refer to the electrical circuit diagrams and disconnect the DAB2 antenna amplifier and complete the following checks. Languet the electrical connector seals are fluted correctly and make sure there is no algors of water ingress present. Languet the electrical connectors and make sure there is no algors of water ingress present. Languet the electrical connectors for backed out pins. Languet connectors and make sure there is no algors of water ingress present. Languet connectors for backed out pins. Languet connector and pins in good condition? |
| 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 Messure 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? To Dag |
| TOOLBOX |
| RUNNING APPLICATION - DAB ANTENNA 2 TEST RECONNECT AND CHECK FUNCTIONALITY Reconnect DAB2 Antenna Amplifier 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? We To |
| 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 |



•

TOPIx Cloud Diagnostics 工具箱和应用程序用户指南

维修验证代码 (RVC) •

LAND= =ROVER

| | | Repair Validation Code | | | X 17-Feb | > View all vehicle -2021 | | |
|----------|---------------------|---|-----------|--|---------------------------|-----------------------------|-------------|--|
| | | Your unique Repair Validation Code is: RGJDQAMJ | | | H829 | | | |
| | OSH RTS Diagnostics | This code confirms that you can carry out the repair identified | d by TOPb | x, based on the diagnostic outcome. | | | | |
| | | | | | ок | | | |
| | DTC Helptext | | | Vehicle Applications Module Applications Dia | ignostic Tests History DT | | | |
| | | | | | | | | |
| Module T | Description | Status T | | ▼ Application name ≑ | Description | Action | ▼ Result ¢ | |
| | | NO RESPONSE | | | | RE-RUN | | |
| | | NO RESPONSE | | | | RERUN | FAULT FOUND | |
| | | | | | | _ | | |
| | | | | | | RUN | | |
| | | ule NO RESPONSE | | | | | | |
| | | NO RESPONSE | | | | RUN | | |
| | | NO RESPONSE | | | | RUN | | |
| | | NO RESPONSE | | | | _ | | |
| | | NO RESPONSE | | | | RUN | | |
| | | | | | | _ | | |
| | | | | | | | | |

单击[•]"> Link to repair"(维修链接),该选项将超链接至 TOPIx《车间维修手册》中的维修程序。

| APPLICATIONS AND TROUBLE | SHOOTING | | | |
|-------------------------------|------------------------------------|---------------------|---------------------------------|----------|
| Vehicle Applications Module A | pplications Diagnostic Tests Histo | y DTCs | | |
| | | | | |
| Vehicle Tests | | | | • |
| ▼ Application name ◆ | Description | Action | ▼ Result ≑ | |
| Bluetooth Antenna Test | Description not avai | able. RE-RUN | NO FAULT FOUND | <u> </u> |
| DAB Antenna 2 Test | Description not avai | able. RE-RUN | FAULT FOUND > Link to repair | |



制定方:保养、诊断、维修和维护



TOPIx Cloud Diagnostics T目体和応用程序用力性

工具箱和应用程序用户指南

1.5.8 历史记录

- History"(历史记录)工具箱提供了先前在一段时间内已运行或应用于输入到 TOPIx 中的车辆 VIN 的活动。
- 此功能还可用于显示在一段时间内已在一个或多个会话中连接到 TOPIx Cloud Diagnostics 的车辆的历史记录。
- 历史记录详细信息不会孤立于用户或经销商。它将显示在一段时间内针对会话中的 VIN 执行的所有活动。对于经销商来说,这是一项具有时间效率的功能,因为它可以快速轻松地显示在车辆上运行的活动及其结果。
- 单击 "View All History" (查看所有历史记录) (可切换到 "View Recent History" (查看最近的历史 记录)) 可展开或收起在车辆上发生的诊断会话起点,而不管 TOPIx 用户或位置如何。
- 展开"Fault Found"(已发现故障)可显示 RVC 代码、经销商 ID 代码以及指向 TOPIx 中建议的维修说 明的直接链接

| _ | AGUA | | D- VER | тс | DDIx | | | Currently New F SALZB2C SALZB2C SALZB2C SALZB2C SALZB2C | Viewing Rang NXMH1 EADY home pai | e Rover Evoque / L5 ³⁵⁷⁹⁶ | 51 2021 | Vehicle Summary > Vii Build date: 03-Feb-2021 Seiling Retaller: H8290 Werrenty start date: | ew all vehicle details | | |
|---|-----------------|----------------|-----------|--------------|----------------------|------------------|---|---|--|---|---------------------|---|------------------------|----------------|------------|
| | Vehicle | Documents | OSH | RTS | Diagnostics | Vehicle Software | | | | | | | | | |
| | VEHICLE D | ATA | | | | | | | | APPLICATIONS AND TROU | BLESHOOTING | | | | |
| | Modules | Fault Timeline | DTC Help | ptext D | IC Snapshot | | | | | Vehicle Applications Modu | ale Applications Mi | odule Programming Diagnostic Test | History DTC | s | |
| | | | | | | Mileage | Vehicle last read: 01-Jul-202 Last Read: 11 km at 01-Jul-202 | 21 13:19:57 (UTC) 21 13:18:51 (UTC) | | View All History | | | | | ^ |
| | Module T | | Descrip | iption | | | Status T | | | ▼ Date Requested (UTC) ≎ | ▼ Agent Group ≎ | ▼ Application ♀ | ▼ State ≎ | ▼ Result ≎ | |
| | SGCM | | Starter/ | Generator | Control Module | | NO RESPONSE | ~ | | | | G2805486 - v10.0 | | | ^ |
| | тсм | | Transm | ission Con | trol Module | | NO RESPONSE | | | 30-Apr-2021 09:36:55 | User-92383 | Service Message Reset G2805486 - v10.0 | Finished 🏝 | | |
| | ABS | | Anti-Los | ck Brake S | ystem Control Module | D | DTC | | | 30-Apr-2021 09:35:19 | User-92383 | Service Message Reset G2805486 - v10.0 | Finished 🛓 | | |
| | DADC | | Driver A | Assistance | Domain Controller | | DTC | | | 29-Apr-2021 19:44:00 | M2400H4870 | DAR Antenna 2 Test | Einished * | Fault Found | 11. |
| | NFSM | | Near Fi | ield Sensinj | g Module | | ртс | | | 20 601 2021 10.44.00 | 112400114070 | G2823637 - v1.0 | | Tudit Found | |
| | PCM | | Powertr | rain Contro | I Module | | DTC | | | RVC | | Retailer ID | Rep | air ID | |
| | PSCM | | Power S | Steering Co | ontrol Module | | DTC | | | RGJDQAMJ | | M2400H4870 | > Viev | v repair | |
| | AAM | | Audio A | Amplifier M | odule | | RESPONDED | | | 29-Apr-2021 19:43:38 | M2400H4870 | Bluetooth Antenna Test | Finished Å | No Fault Found | |
| | BCM | | Body C | ontrol Mod | ule | | RESPONDED | | | | | G2823638 - v1.0 | | | |
| | CCM | | Cruise (| Control Mo | dule | | RESPONDED | ~ | , | 29-Apr-2021 19:42:38 | M2400H4870 | Service Message Reset G2805486 - v10.0 | Finished Å | | <i>~ ~</i> |
| | | | | | | | | | | | | | | | |

- 数据视图可按如下方式排序:
 - Date Requested(请求日期) 从最早到最晚
 - Agent Group(代理组) A-Z
 - Application Name(应用程序名称) A-Z
 - State(状态) A-Z
 - Result(结果) A-Z
- **注意:** 筛选和排序功能适用于 "VEHICLE DATA" (车辆数据)和 "MODULE APPLICATIONS AND TROUBLESHOOTING" (模块应用程序和故障排除)面板中显示的所有列表。

| VEHICLE DATA | | | | APPLICATIONS AND TROU | JBLESHOOTING | | | | |
|----------------------------|---------------------------------------|--|------------|--------------------------|-----------------------------|---------------------------------------|--------------------|--------------------|----|
| Modules Fault Timeline | DTC Helptext DTC Snapshot | | | Vehicle Applications Mod | ule Applications Module Pro | pgramming Diagnostic Tests | History DTC: | | |
| Enter search term Module T | Description | Vehi SELECT ALL 021 13:19:57 (UT Mileage Last i Status T | (C) (C) | Enter search term | Enter search term | Enter search term | Enter search term. | Enter search term. | Ð |
| SGCM | Starter/Generator Control Module | NO RESPONSE | ^ | ▼ 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 | 11 |
| DADC | Driver Assistance Domain Controller | DTC | | | | G2823637 - v1.0 | | | |
| NFSM | Near Field Sensing Module | ртс | | 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 | DTG | | | | 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 | |
| CCM | Cruise Control Module | RESPONDED | ~ | | | n - Test G2749552 - v4.0 | | | |



1.5.9 DTC

- [●] "DTC"工具箱将显示 DTC 代码、描述、时间戳和里程表值(以使用"Odometer unit"(里程表单位) 首选项选择器选择的公里或英里为单位)。
- 选择"Odometer unit"(里程表单位)首选项后,它会更改"Odometer reading"(里程表读数)列中 显示的 DTC 的里程表值和"Mileage Last Read"(最后一次读取的里程数)时间戳值。
- 注意:如果未从车辆上读取到 DTC,则此选项不可用。
- 标准视图将显示从已响应 TOPIx Cloud Diagnostics 的通信请求的模块中捕获的所有 DTC。

| Aguar | | | Currently Viewin New Rang SALZB2CNXMH ଜୁଇଁ (READY > Vehicle home p | g ge Rover Evo 1135796 1999 | que / L551 20 | 021 Vehicle Summ Build date: Seiling Retai Warrenty sta | ary > View a 03-Feb-2021 Ier: H8290 Irt dete: | Il vehicle details | |
|--------------------|---|---|--|--------------------------------------|------------------|--|--|--------------------|---------|
| Vehicle Documen | its OSH RTS Diagnostics Vehicle Softv | ware | | APPLICATIONS | S AND TROUBLES | HOOTING | | | |
| Modules Fault Time | eline DTC Helptext DTC Snapshot | Vehicle last read: 01-Jul-2021 13 Mileage Last Read: 11 km at 01-Jul-2021 13 | :19:57 (UTC) 3:18:51 (UTC) | Vehicle Applica | tions Module App | plications Module Programmi | ing Diagnostic Tests | History DTCs | Ŷ |
| Module T | Description | Status T | | View Selected ▼ Module ≎ | Print All DTCs | ▼ Description ≎ | ▼ Date (UTC) ≎ | T Odometer read | ding \$ |
| TCM | Starter/Generator Control Module | NO RESPONSE | | ABS | U0400-87 | Invalid data received - Miss | 01-Jul-2021 14:27:37 | 0 | |
| ABS | Anti-Lock Brake System Control Module | ртс | | DADC | U0400-81 | Invalid data received - Inval id serial data received | 01-Jul-2021 14:27:37 | 0 | |
| NFSM | Driver Assistance Domain Controller Near Field Sensing Module | ртс | - 1 | DADC | U0400-82 | Invalid Data Received - Aliv e / Sequence counter incor | 01-Jul-2021 14:27:37 | 0 | |
| PCM | Powertrain Control Module | DTC | | DADC | 10400-86 | rect / Not updated | 01- Jul-2021 14:27:37 | 0 | |
| PSCM | Power Steering Control Module | DTC | | 0100 | 0010000 | alid data received | | - | |
| BCM | Body Control Module | RESPONDED | | DADC | U0400-87 | Invalid data received - Miss ing message | 01-Jul-2021 14:27:37 | 0 | |
| ССМ | Cruise Control Module | RESPONDED | ~ | NFSM | U0400-81 | Invalid data received - Inval id serial data received | 01-Jul-2021 12:37:22 | 9 | |
| | | | | | | | | | |

| JAGUAR | | Currently Vie New Ră SALZB2CN> codi 0 EEAC > Vehicle hor | wing nge Rover Evoq MH135796 M ie page | ue / L551 20 | Vehicle Summa D21 Build date: Selling Retaile Werrenty start | ry > View all v 03-Feb-2021 r: H8290 a dete: | ehicle details |
|------------------------|---------------------------------------|--|--|----------------|---|---|----------------------|
| Vehicle Documents | OSH RTS Diagnostics Vehicle Software | e | | | | | |
| VEHICLE DATA | | | APPLICATIONS | AND TROUBLESH | HOOTING | | |
| Modules Fault Timeline | DTC Helptext DTC Snapshot | | Vehicle Application | ons Module App | lications Module Programmir | g Diagnostic Tests Hi | istory DTCs |
| | Mile | Vehicle last read: 01-Jul-2021 13:19:57 (UTC) rage Last Read: 11 km at 01-Jul-2021 13:18:51 (UTC) | View All Prin | All DTCs | | | Odometer unit: km |
| Module T | Description | Status T | T Module ≑ | | ▼ Description ♠ | ▼ Date (UTC) ♠ | ▼ Odometer reading ♠ |
| SGCM | Starter/Generator Control Module | | PSCM | U0080-82 | Vehicle Communication Bu | 01-Jul-2021 14:27:37 | 0 |
| ТСМ | Transmission Control Module | NO RESPONSE | | | s F - Alive / sequence count er incorrect / not updated | | |
| ABS | Anti-Lock Brake System Control Module | DTC | PSCM | 110080-87 | Vehicle Communication Bu | 01-101-2021 14:27:37 | 0 |
| DADC | Driver Assistance Domain Controller | отс | 1 John | 00000-07 | s F – Signal invalid | | U C |
| NFSM | Near Field Sensing Module | DTC | PSCM | U3000-47 | Control Module - Watchdo | 01-Jul-2021 14:27:37 | 0 |
| PCM | Powertrain Control Module | ото | | | g / Safety microC failure | | |
| PSCM | Power Steering Control Module | DTC | | | | | |
| AAM | Audio Amplifier Module | RESPONDED | | | | | |
| BCM | Body Control Module | RESPONDED | | | | | |
| | | | | | | | |

在 APPLICATIONS AND TROUBLESHOOTING(应用程序和故障排除)面板中选择一个 DTC, 然后单击
 "DTC Helptext"(DTC 帮助文本), TOPIx Cloud Diagnostics 将在 VEHICLE DATA(车辆数据)面板中显示"DTC 帮助文本"。

| JAGUAR | | Ix Cloud Diagnostics 具箱和应用程序用户指 | 南 | | | | | |
|---|--|--|--|-------------------|-------------|--|---|---------------------|
| AGUAR LAND | | Currently New SAZR2 것같! Vehicle Software | Viewing Range R CNXMH13579 READY home page | Rover Evoqu 96 | ie / L551 2 | 021 Vehicle Summa Build date: Selling Retail Warrenty star | ry > View at 03-Feb-2021 rr: H8290 a dete: | vehicle details |
| PEHICLE DATA | DTC Helptext DTC Snapshot | | Δ. | APPLICATIONS A | ND TROUBLES | HOOTING plications Module Programmir | ig Diagnostic Tests | History DTCs |
| Module | Power Steering Control Modul U0080-82 | le . | Ŷ | View All Print | | Y Description ≎ | ▼ Date (UTC) ≎ | Odometer unit: km ▼ |
| Description Possible Causes | Vehicle Communication Bus F | - Alive / sequence counter incorrect / not updated Action | | PSCM | U0080-82 | Vehicle Communication Bu s F - Alive / sequence count er incorrect / not updated | 01-Jul-2021 14:27:37 | 0 |
| NOTE: Circuit reference - F NOTE: Circuit reference - F | FR_BP_DC - FR_BM_DC - | NOTE: Do NOT replace any control modules just on the basis of this DTC • 1. Using the Jaguar Land Rover approved diagnostic | | PSCM | U0080-87 | Vehicle Communication Bu s F – Signal invalid | 01-Jul-2021 14:27:37 | 0 |
| NO1E: 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_BP - m another control module st circuit to ground, short circuit igh resistance | equipment, check the snapshot data to determine the invalid data source contributionality. Check datalogger signal - Network Operating System ECU Local Signal Handie (IRO200). Refer to - Datalogger Signal BOD200 - In section 211-00 Diagnosis and Teating of the workshop manual. Check other modules for the same DTC indicating a fault in the wiring harmess and/or incompatibility in the software versions - 2. Refer to the electrical circuid diagrams and check the FlexRay bus circuit for short circuit to ground, short circuit to power, open circuit, high resistance | ~ | PSCM | U3000-47 | Control Module - Watchdo g / Safety microC failure | 01-Jul-2021 14:27:37 | 0 |

- 新功能!在 APPLICATIONS AND TROUBLESHOOTING (应用程序和故障排除)面板中选择一个 DTC, 然后 ٠ 单击""DTC Snapshot" (DTC 快照), TOPIx Cloud Diagnostics 将在 VEHICLE DATA(车辆数据)面板中显 示"DTC快照数据"。
- 注意:如果可从所选模块和 DTC 中读取 DTC 快照数据,则系统会显示 DTC 快照数据。某些 DTC 不会捕 获快照数据。

| | | urrently Viewing Jew Rang ALZB2CNXMH1 CI (READY Vehicle home pag | e Rover Evoq 35796 90 | ue / L551 202 | 21 Vehicle Summary Build date: Selling Retailer: Warrenty start of | y > View all vehicle 03-Feb-2021 1 H8290 dete: | e details |
|---|---|--|-----------------------------|-----------------|---|---|----------------------|
| Venicle Documents OSH R15 Diligitostic | Venicle Software | | | | | | |
| VEHICLE DATA | | | APPLICATIONS # | ND TROUBLESH | DOTING | | |
| Modules Fault Timeline DTC Helptext DTC Snapshot | | | Vehicle Application | ns Module Appli | cations Module Programming | g Diagnostic Tests History | DTCs |
| Trigger event - The first time the DTC information was cleared (inc system malfunction (resulting in status bit 3 being set) was detecte | U0400-81 on module: uding as a result of memory overflow), or the DTC was aged, that d. | NFSM ^ | View All Prin | All DTCs | | | Odometer unit: km 🔻 |
| | | | ▼ Module ≎ | ▼ DTC \$ | ▼ Description \$ | ▼ Date (UTC) ≎ | ▼ Odometer reading ≎ |
| Description | Reading | | NFSM | U0400-81 | Invalid data received - Invali d serial data received | 01-Jul-2021 12:37:22 | 9 |
| Global real time | 457.99832 | - 1 | NESM | 110400.97 | Invalid data received - Missi | | 0 |
| Total distance | 9 | - 1 | NESM | 00400-87 | ng message | 01-301-2021 14:50:20 | 0 |
| Main engine control module voltage supply | 15.0 | | | | | | |
| In car temperature | 7.0 | | | | | | |
| External temperature | 8.0 | | | | | | |
| Power mode | Running | | | | | | |
| | | | | | | | |
| Power mode - quality factor | Power Mode Undefined | | | | | | |
| Power mode - quality factor Engine RPM | Power Mode Undefined 1408.0 | | | | | | |

- 可以使用"Print All DTCs"(打印所有 DTC)将 DTC 信息打印或保存到本地设备 •
- 在用户设备上打印或保存为 pdf 文档时,有一些打印选项可供选择,这些选项会影响 DTC 数据值的显示 方式。
 - 里程表以公里/英里为单位

LAND-

- 包括有关模块的 DTC 的快照数据
- 用于选择具有 DTC 的所有模块、单一模块或多个模块的复选框
- 选择 "OK" (确定) 后, 屏幕上将显示另一个弹出窗口, 要求设备用户定位并选择连接的打印机或打 • 印到 pdf 文档并根据需要重命名文档,该文档将保存到用户设备上的选定目标位置。



LAND--ROVER

TOPIx Cloud Diagnostics 工具箱和应用程序用户指南

Select Print Options 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 Cancel ОК

| B1974-86 | Rear View Mirror Module - Signal | 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 |

- 单击"View All"(查看全部),这将使视图返回到所捕获 DTC 的完整列表。
- 当 DTC 面板显示所有 DTC 时, "View All"(查看全部)将切换至"View Selected"(查看选定内容)
- 如果您双击 VEHICLE DATA(车辆数据)面板中的某个模块,这将使视图返回至所捕获 DTC 的完整 列表。



1.6.1 模块编程

- "Module Programing"(模块编程)选项卡(**开发中的新功能)**在模块需要更新或更换时使用。。
- 将最新的可用软件以及任何设置和配置数据应用到所选模块。

| JAGUAR | | Curren Defi satz 중석[]0 > Vehic | ntty Viewing ender / L663 2020 A7EU7L2015068 READY cle home page | Vehicle Summary Build date: 10- Selling Retailer: 244 Werranty start date: 15- | > View all vehicle details Jul-2020 0069 Oct-2020 | |
|-------------------|--|---|--|--|--|--------|
| Vehicle Docume | ents OSH RTS Diagnostics Vehicle S | ioftware | | | | |
| VEHICLE DATA | | | APPLICATIONS AN | | | |
| Modules Fault Tim | eline DTC Helptext DTC Snapshot | | Vehicle Applications | Module Applications Modu | le Programming Diagnostic Tests History | DTCs |
| | Mile | Vehicle last read: 25-Jun-2021 08:54:39 (U eage Last Read: 11210 km at 25-Jun-2021 08:53:38 (U | тс) тс) | | | |
| Module T | Description | Status T | GWM | | | |
| BECM | Battery Energy Control Module | RESPONDED | ▲ Application nam | e \$ | ▼ Description ≎ | Action |
| ССМ | Cruise Control Module | RESPONDED | GWM - Software - Re | eplace Module | Beta version - Do not use | Run |
| DDM | Driver Front Door Module | RESPONDED | GWM - Software - U | pdate 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 | P '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 | ~ | | | |
| | | | | | | |

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TOPIx Cloud Diagnostics

工具箱和应用程序用户指南

1.6.2 数据记录器

- 用户必须"登录"到 Diagnostic Device Agent 才能激活"Start Data Logger"(启动数据记录器)功能。
- "Start Data Logger"(启动数据记录器)用于实时监控车辆传感器和信号。
- "Start Data Logger"(启动数据记录器)将启动新的互联网窗口/选项卡/屏幕,以供数据记录器使用。
- 为了获得最佳用户体验,Jaguar Land Rover 建议使用 Google Chrome 浏览器。
- 注意:如果通过 Internet Explorer 启动了新的互联网窗口/选项卡/屏幕,则可能无法正常工作,需要将 URL 地址复制到 Chrome 浏览器。
- 启动数据记录器之后,下方工具托盘中的 Diagnostic Device Agent 图标将变为条形图图标
- 屏幕显示已连接 Diagnostics Device Agent 且可以使用所连接车辆的 VIN 正常工作。
- "功能"选项卡将更改为"Stop Data Logger"(停止数据记录器),选择该选项后可退出该模式。
- 单击"Stop Data Logger"(停止数据记录器)并建立 Wi-Fi 连接后,Diagnostic Device Agent 将重新连接 到云环境。
- 有关更多信息,请参阅"TOPIx Cloud Diagnostics 数据记录器用户指南"。



| 序号 | 说明 |
|----|---------|
| 1 | 启动数据记录器 |
| 2 | 停止数据记录器 |

1.6.3 其他功能摘要

- 针对位于 DDA 中的交付或功能问题的内置日志捕获功能,称为"捕获日志"。
- 如果与车辆的连接中断, TOPIx 屏幕会显示简单刷新功能。



2 故障排除指南

LAND-

2.1 TOPIx Cloud Diagnostics 未达到预期效果

2.1.1 网络问题

- 与您的网络提供商断开连接 检查网络连接是否完好并且您能否访问 TOPIx。
- 网络浏览器不兼容或不是最新版本 检查系统规格,并根据需要进行更新。
- 为了获得最佳用户体验,Jaguar Land Rover 建议使用 Google Chrome 浏览器。

2.1.2 车辆上安装的模块显示为无响应

- 通过拍照或截屏的方式捕获 TOPIx Cloud Diagnostics 屏幕。
- 运行"网络完好性测试"以刷新车辆模块数据收集。
- 检查并确保车辆确实安装了无响应的模块。
- 检查无响应的模块是否是客户投诉的起因或车辆特性/功能不起作用的症状。
- 如果已完成上述检查,但未解决模块无响应的原因,则请使用全球问题管理 (GCM) 系统:
 - 如果车辆受到影响,请报告错误消息以及执行的操作,并将图像和数据附在"技术帮助报告"中。
 - 如果车辆不受影响,并且怀疑问题是 TOPIx Cloud Diagnostics 的问题,请报告错误消息以及执行的操作,并将图像和数据附在"诊断报告"中。

2.1.3 车辆通信接口 (VCI) 和车辆通信

- 无法连接到车辆 查看 VCI 功能指示灯是否指示工作正常且与车辆正确连接。如果与车辆的机械连接出现错误,请予以解决。
- 无法连接到车辆 单击 TOPIx 屏幕上的"Refresh Connection Status"(刷新连接状态)以重置与车辆的 连接。TOPIx 屏幕刷新可能有所延迟,这是正常现象。这是为了让 TOPIx 系统重新建立其连接。
- 确保已安装 Bosch VCI 驱动程序,特别是如果用户的机器尚未安装 Pathfinder。
- 如果指定的机器上未安装 Pathfinder,可通过"BOSCH VCI Drivers"(BOSCH VCI 驱动程序)链接获取 VCI 驱动程序((如下图所示 [●])。
- 如果在登录后未连接到车辆,则会有一个3分钟的系统超时时间。用户需要注销并重新登录 DDA 以重 试车辆通信。



Home S GB / English Support & System Status







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2.2 Diagnostics Device Agent 意外运行

- 如果出现以下任一情况,Diagnostic Device Agent 可能会自动注销:
 - 长时间不活动
 - TOPIx 会话已过期
 - 随着时间的推移,互联网连接已中断或丢失
- Pathfinder 没有与所连接的车辆通信 计算机以太网端口可能仍连接到 Diagnostics Device Agent。右键 单击 Diagnostic Device Agent 图标并选择"Exit"(退出)。
- 请参阅"Diagnostic Device Agent 用户和故障排除指南"中的 1.4.12 退出。
- Diagnostic Device Agent 登录有一个 3 分钟的完成超时时间。用户需要在单击"Login"(登录)后的
 3 分钟内输入用户凭据。如果在 3 分钟内未完成登录,则将导致身份验证失败,必须重新启动登录过程。



- 注意:在 TOPIx Cloud Diagnostics 的用户不活动时间超过 10 分钟后,诊断应用程序的使用可能会超时。
- 如果发生不活动事件,用户可能必须恢复或重新启动新会话。



3 常见问题

问 - TOPIx Cloud Diagnostics 和 Diagnostic Device Agent 是否需要额外的硬件?

答 - 否 - TOPIx Cloud Diagnostics 托管核心软件,不需要过多的硬盘空间。 Diagnostics Device Agent 支持最新的车辆通信接口 (VCI)。

问 - Jaguar Land Rover 将来是否会要求经销商购买作为最低标准的新计算机设备?

答 - 我们的愿景是 TOPIx Cloud Diagnostics 和 Diagnostic Device Agent 将与兼容设备相兼容。

问 - 需要使用哪种互联网浏览器?

答 - 为了获得最佳体验,Jaguar Land Rover 建议使用 Google Chrome 浏览器。

问 - 是否有离线功能?

答 - 否 - TOPIx 和 Diagnostic Device Agent 要求始终保持互联网连接。这样是为了进行身份验证以及为用户提供最 新信息和功能。我们不久就会发布此新功能,离线功能可与数据记录器配合使用。

问-用户如何提取车辆诊断会话数据?

答 - 将来,在会话处于活动状态时以及会话关闭时,此操作将自动完成。会将数据从用户设备传输至 TOPIx 系统。用户和 Jaguar Land Rover 工程师可在 TOPIx 中查看会话数据。

问 - 用户无法运行列表中的任何应用程序并且应用程序显示为灰色/不活动。如何解决此问题?

答 - 如果未完成自动网络完好性测试 (ANIT) 或网络完好性测试 (NIT),则无法运行需要与车辆通信的任何其他 应用程序。

刷新屏幕,因为这可能会提供要在屏幕上显示的已完成的 ANIT 数据。

如果网络完好性测试 (NIT) 的"Run"(运行)可点击,请选择并完成该选项。 注销 DDA,选择"登录"并开始新会话。

Z3Vlc3Q7MjAyNS0wNC0yOVQ