TECHNICAL SERVICE BULLETIN

SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC18)

★ NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information related to extracting "in use performance tracking" emissions data from the Engine Control Unit (ECU) of certain vehicles sold in California. The California Air Resources Board (CARB) requires the emissions data from vehicles with a minimum of 3,000 accumulated miles without reprogramming or resetting. To facilitate collection of this data at the dealer level, KDS screenshots will allow the capture of relevant parameters.

★ NOTICE

If the vehicle meets the criteria below, California dealers must perform this data collection on vehicles whenever an affected vehicle is in the shop for any maintenance or repair.

This data collection does not apply to vehicles or dealers operating outside of California.

Once sufficient data is collected, individual line items per model may be <u>closed without updates to the TSB</u>. Once a line item is closed on DCS, no further data collection is required. <u>Data collections initiated after a line item is closed are subject to chargeback.</u>

For vehicles <u>listed on DCS as requiring this procedure</u>, follow the instructions in this bulletin after confirming that the following criteria are met:

- WebDCS shows this as an open Data Collection code DC18XXXX (depending on model; see table on page 8) for the vehicle.
- Vehicle has more than 3,000 accumulated miles on its odometer.
- Vehicle repair history does not show battery replacement/disconnection/reset or an ECU update done in the last 3,000 miles, because IUMPR (In Use Monitor Performance Ratio) data would have been cleared by such an event.
- Vehicle does not have the check engine light on.

File Under: <Engine>

Circulate To:	☒ **General Manager**	☒ **Service Manager**	☒ **Parts Manager**
☒ **Service Advisors**	☒ **Technicians**	☒ **Body Shop Manager**	☐ **Fleet Repair**

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> ★ **NOTICE**
>
> **If a vehicle meets the above criteria, collect data prior to any other campaign or repair-related activities.**

IMPORTANT: **A number of received data submittals are incomplete and are therefore not usable. Examples: not all pages submitted, incomplete VECI label Group number, no mileage reported, etc. In order to ensure 100% complete and valid data submittals as well as to ensure related warranty claims will be processed without delay and not be subject to chargebacks, carefully review and adhere to the updated process steps below:**

KDS Service Procedure:

> ★ **NOTICE**
>
> **The KDS tablet MUST have a SD Card installed for this procedure.**

1. Open the engine compartment and locate the Vehicle Emission Control Information label located on the underside of the hood.

   Record the 11-digit "**Group**" number (A) for later entry into a form.

2. Connect the VCI-II to the OBD-II connector, located under the driver's side of the instrument panel.

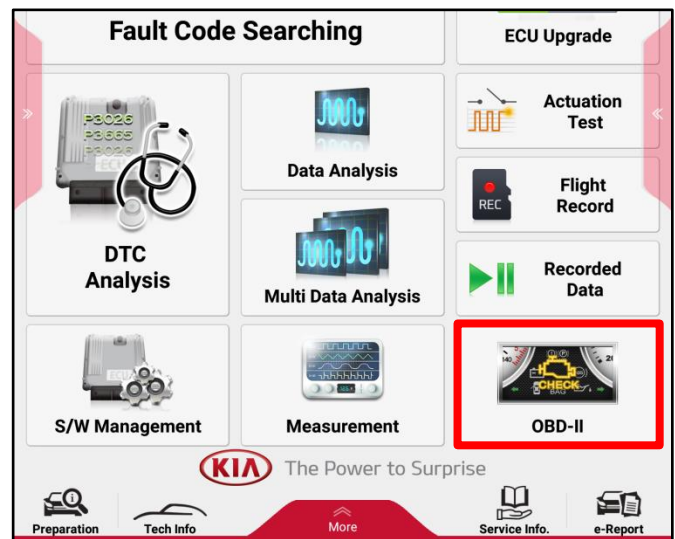3. With the ignition ON, turn ON the KDS tablet. Select **KDS** from the home screen.
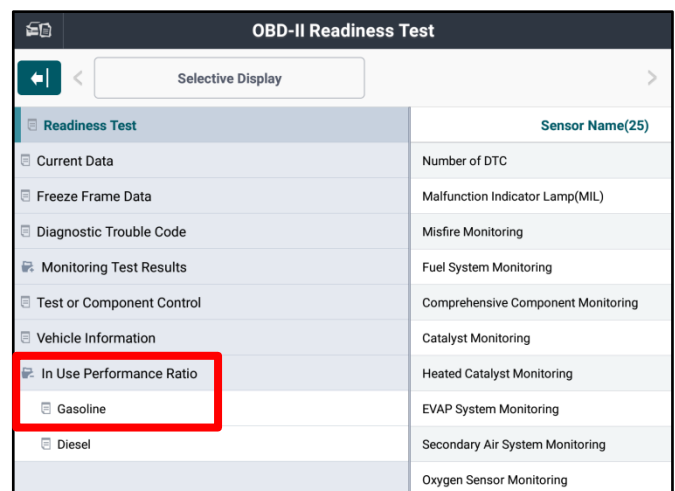
4. Confirm communication with VCI (B) and then configure the vehicle (C) using the **AUTO VIN** (D) feature.
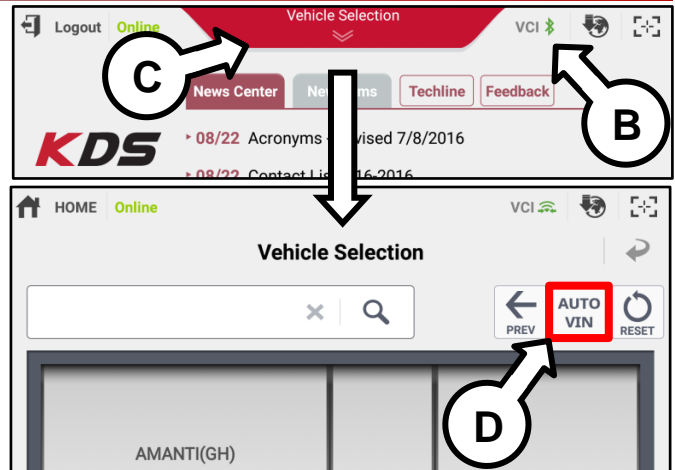
5. From the KDS Home Screen, select **OBD-II**.

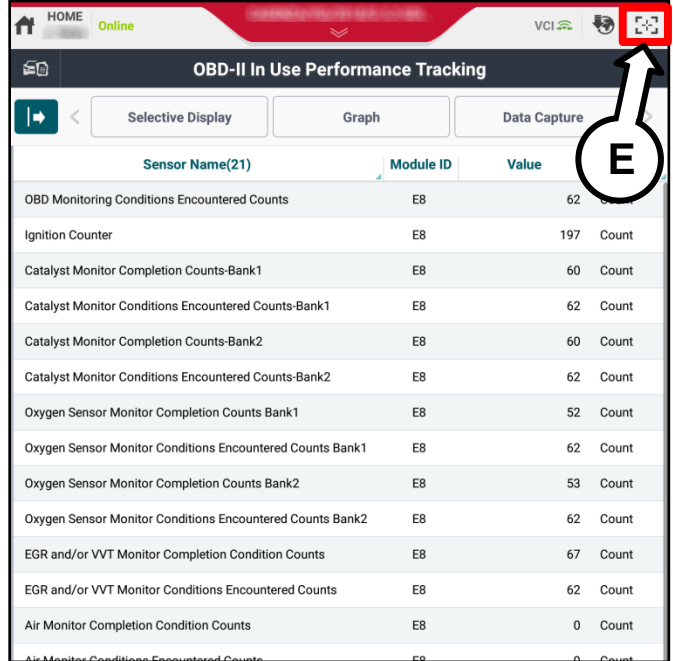6. Select **In Use Performance Ratio → Gasoline.**

7. Use the Screen Capture function (E) located at the upper right corner to save a screenshot of the data.
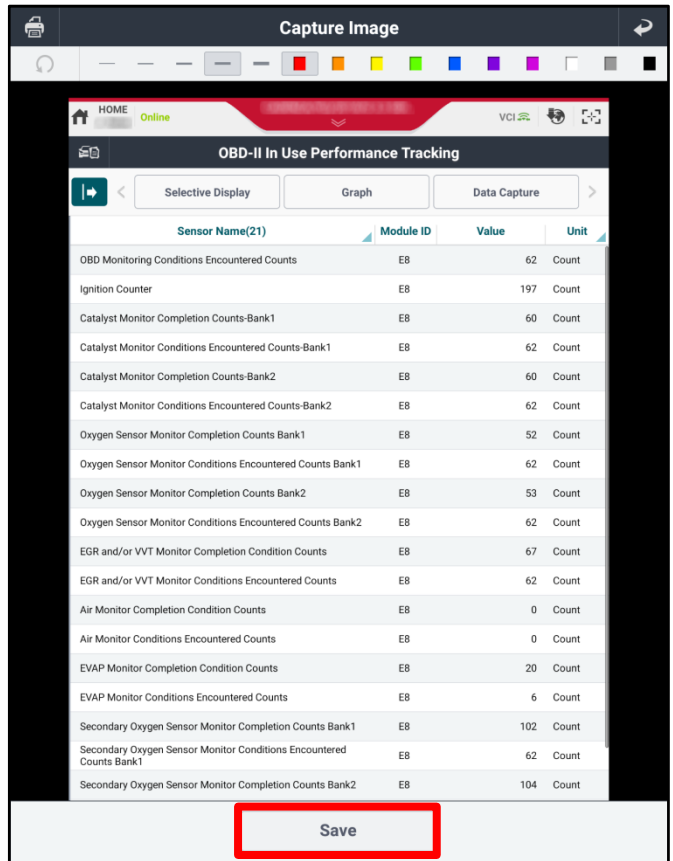
★ NOTICE

DO NOT use the Home/Power or "Data Capture" for the screen capture.

★ NOTICE

A SD Card __MUST__ be inserted into the KDS tablet to save KDS images.

8. Select **Save** to save the image.

SUBJECT:

DATA COLLECTION: EXTRACT CALIFORNIA
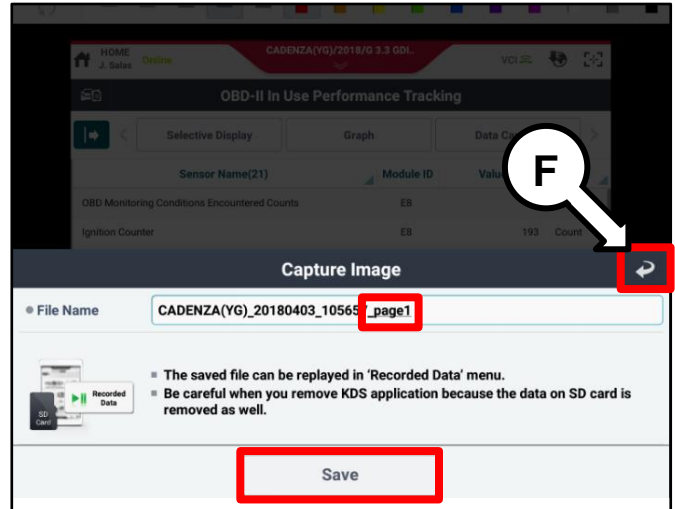EMISSIONS DATA FROM ECU (DC18)

9. The KDS will set up a destination folder and file name to save the screenshot.

   Add the captured page number to the end of the existing file name.

   Example:
   CADENZA(YG)_20180403_105657_**page1**

   Click **Save** then return to the "OBD-II In Use Performance Tracking" screen by selecting the **Return Arrow** (F) on the screen.

10. If the data list is longer than one (1) page, repeat steps 7-9 to capture the rest of the data list and be sure to add the page number to the file name as mentioned in step 9. If necessary, repeat until all pages are saved.

    ┌─────────────────────────────┐
    │ ★ **NOTICE**   │
    ├─────────────────────────────┤
    │ **If the data list is longer than one** │
    │ **(1) page, repeat steps 7-9 and** │
    │ **ensure all data is captured.** │
    └─────────────────────────────┘
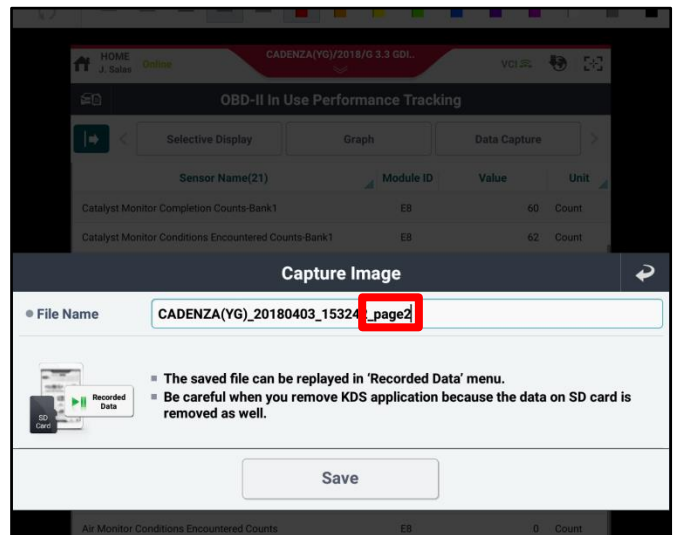
11. Once all data has been captured, return to the KDS Home Screen and select **Feedback**. If prompted for selection of a browser, select **Chrome** and then select **Always**.
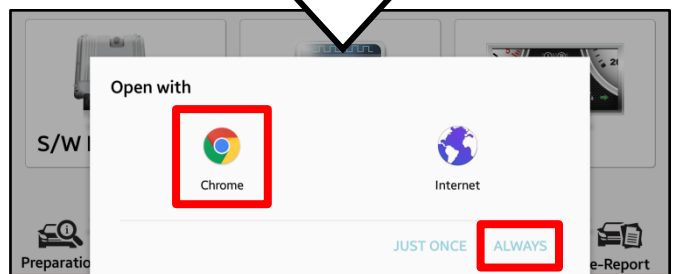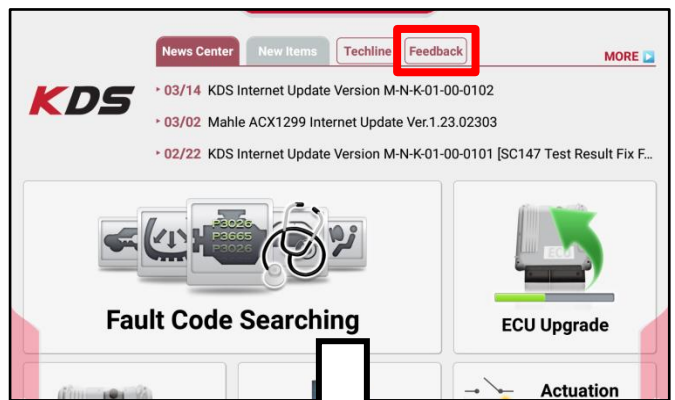
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12. Enter your dealer code, your name, and email address, VIN, model, model year then fill in the Subject and Description fields with the following:

Subject: enter "Data Collection"

Description: enter the RO# and VECI label Group# written down during step 1 of this procedure.

> ★ **NOTICE**
>
> **Make sure the email address is entered correctly or the Feedback form will fail to submit.**

Please enter the following information. Please be specific in the text and include screen captures to include the navigation path.
*fields are required.

* Dealer Code
* Sender Name
* Sender E-Mail
* Vehicle Description
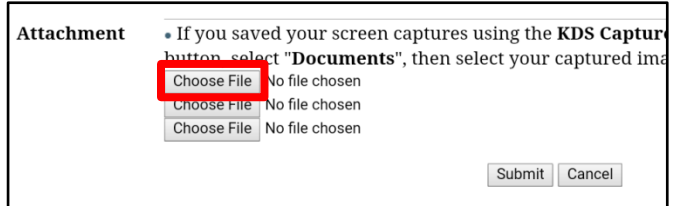   VIN
   Model
   Model Year
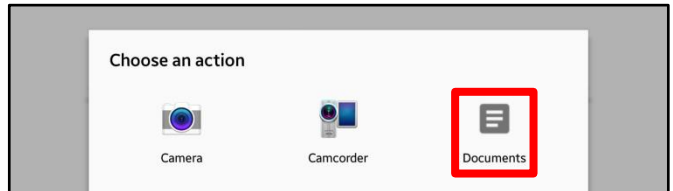   Engine
   Auto/Manual Trans
   2WD/4WD
   System
* Subject
* Description

13. Select a **Choose File** at the bottom of the screen.

Attachment   • If you saved your screen captures using the **KDS Captur** button, select "**Documents**", then select your captured ima
Choose File   No file chosen
Choose File   No file chosen
Choose File   No file chosen
Submit   Cancel

14. Select **Documents**.

Choose an action
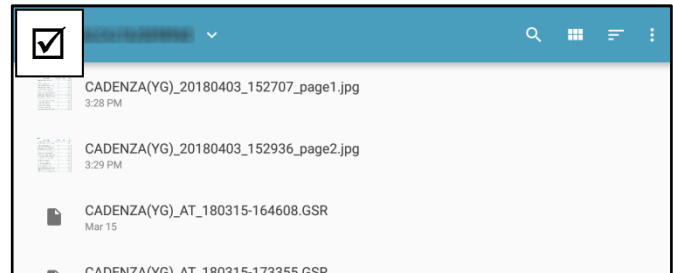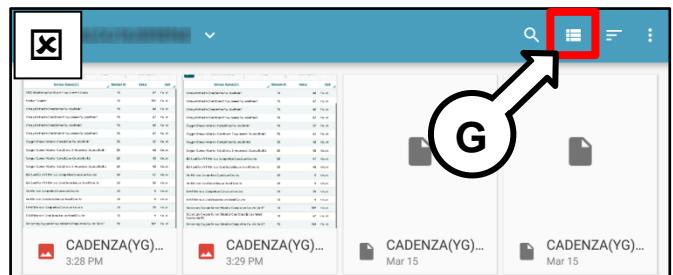Camera   Camcorder   Documents

15. Ensure the items are shown in the List view to be able to see the entire file name as shown (☑). Select view change icon (G) if necessary.

> ★ **NOTICE**
>
> **Screenshots shown in this bulletin are taken from the latest KDS tablet (Galaxy Tab S2).**
>
> **If using an older KDS tablet (Galaxy Note), follow the path below to locate your screen capture files:**
>
> **SD Card** (usually labeled as numbers and one (1) letter – ex: 1899-C039) → **Android** → **data** → **gitauto.GDSM** → **files** → **mvcidata** → **Record** → **vehicle model** → **VIN.**

CADENZA(YG)... 3:28 PM   CADENZA(YG)... 3:29 PM   CADENZA(YG)... Mar 15   CADENZA(YG)... Mar 15

CADENZA(YG)_20180403_152707_page1.jpg
3:28 PM

CADENZA(YG)_20180403_152936_page2.jpg
3:29 PM

CADENZA(YG)_AT_180315-164608.GSR
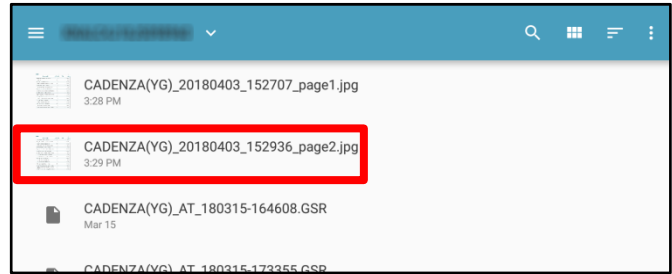Mar 15

CADENZA(YG)_AT_180315-173355.GSR

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16. Select the first screenshot taken in step 7.

17. Repeat steps 13-16 and attach all additional screenshots of the data list if any.

18. Select **Submit** to complete the Feedback form and this procedure.

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Sportage (QL) 2.0L-T, 2.4L	
Rio (UB) 1.6L	
Sedona (YP) 3.3L	
Sorento (UM) 2.0L-T, 2.4L, 3.3L	
K900 (KH) 3.8L, 5.0L	
Optima (JF) 1.6L-T, 2.0L-T, 2.4L, Optima Hybrid (JF HEV) 2.0L, Optima Plug-in Hybrid (JF PHEV) 2.0L	2018MY (Sold in California only)
Forte (YD) 2.0L, 1.6L-T	
Soul (PS) 1.6L, 1.6L-T, 2.0L	
Cadenza (YG) 3.3L	
Niro (DE) HEV 1.6L	
Stinger (CK) 2.0L-T, 3.3L-T	

WARRANTY INFORMATION:
N Code: N99   C Code: C99

Campaign ID	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
DC18QL1	V	100CA EM999	0	Sportage 2.0L-T 50/FD	18QL20F1	0.3 M/H	N/A	0
DC18QL2				Sportage 2.4L CA	18QL24C1			
DC18QL3				Sportage 2.4L 50/FD	18QL24F1			
DC18UB1				Rio 1.6L 50/FD	18UB16F1			
DC18YP1				Sedona 3.3L 50/FD	18YP33F1			
DC18UM1				Sorento 2.0L-T 50/FD	18UM20F1			
DC18UM2				Sorento 2.4L 50/FD	18UM24F1			
DC18UM3				Sorento 3.3L 50/FD	18UM33F1			
DC18KH1				K900 3.8L 50/FD	18KH38F1			
DC18KH2				K900 5.0L 50/FD	18KH50F1			
DC18JFH1				Optima HEV 2.0L 50/FD	18JFH20F			
DC18JFP1				Optima PHEV 2.0L 50/FD	18JFP20F			
DC18JF1				Optima 1.6L-T 50/FD	18JF16F1			
DC18JF2				Optima 2.0L-T 50/FD	18JF20F1			
DC18JF3				Optima 2.4L CA	18JF24C1			
DC18JF4				Optima 2.4L 50/FD	18JF24F1			
DC18YD1				Forte 2.0L CA	18YD20C1			
DC18YD2				Forte 2.0L 50/FD	18YD20F1			
DC18YD3				Forte 1.6L-T 50/FD	18YD16F1			
DC18PS1				Soul 1.6L 50/FD	18PS16F1			
DC18PS2				Soul 1.6L-T 50/FD	18PS16F2			
DC18PS3				Soul 2.0L 50/FD	18PS20F1			
DC18YG1				Cadenza 3.3L 50/FD	18YG33F1			
DC18DE1				Niro HEV 1.6L 50/FD	18DE16F1			
DC18CK1				Stinger 2.0L-T 50/FD	18CK20F1			
DC18CK2				Stinger 3.3L-T 50/FD	18CK33F1			