	GROUP **ENG**	MODEL **2019MY Multiple Models (see table on p. 8)**
	NUMBER **197**	DATE **February 2019**

TECHNICAL SERVICE BULLETIN

SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA
EMISSIONS DATA FROM ECU (DC19)

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 DC19XXXX (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

To capture all 2019MY data as required, including newly added monitoring items, the KDS tablet MUST be updated with firmware Version M-N-K-01-00-0126 or later and 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 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.

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4. Confirm communication with VCI (B) and then configure the vehicle (C) using the **AUTO VIN** (D) feature.
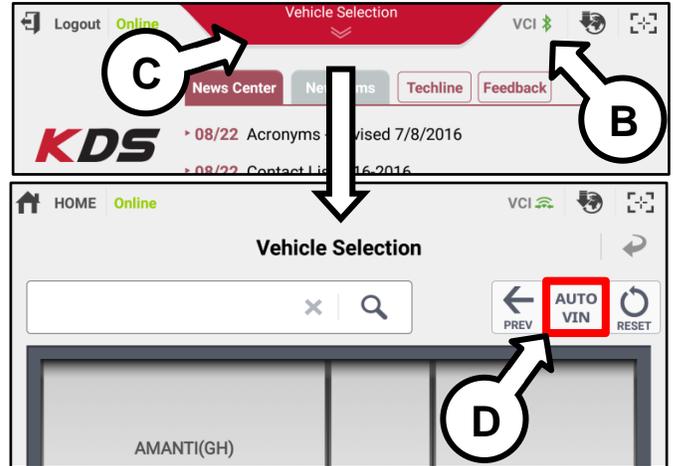
5. From the KDS Home Screen, select **OBD-II**.
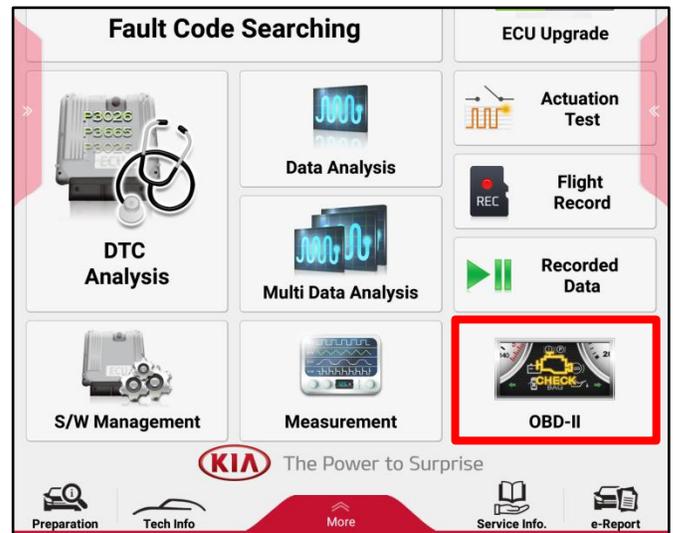
6. Select **In Use Performance Ratio → Gasoline.**
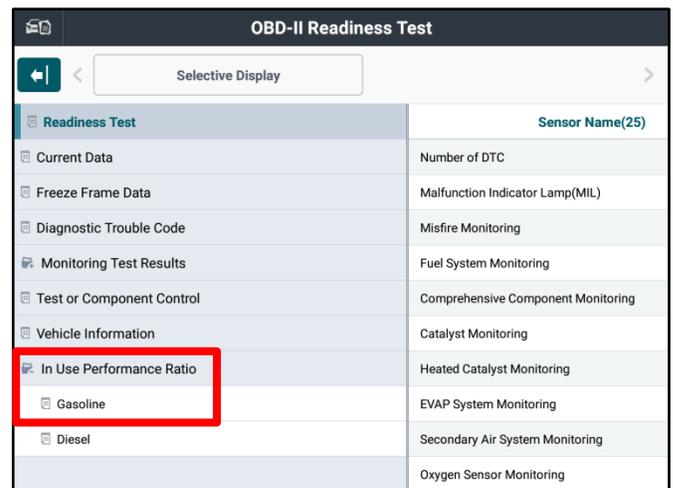
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7. Use the Screen Capture function (E) located at the upper right corner to save a screenshot of the data.

┌─────────────────────────────┐
│ ★ **NOTICE** │
├─────────────────────────────┤
│ **DO NOT use the Home/Power or "Data Capture" for the screen capture.** │
└─────────────────────────────┘

┌─────────────────────────────┐
│ ★ **NOTICE** │
├─────────────────────────────┤
│ **A SD Card <u>MUST</u> be inserted into the KDS tablet to save KDS images.** │
└─────────────────────────────┘

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

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

    <u>Add the captured page number to the end of the existing file name.</u>

    Example:
    CADENZA(YG)_########_######_**page1**

    Click **Save** then return to the "OBD-II In Use Performance Tracking" screen by selecting the **Return Arrow** (F) on the screen.
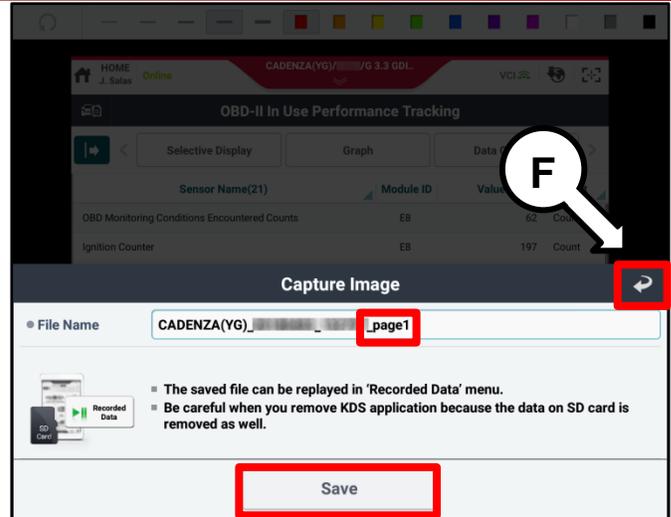
10. <u>If the data list is longer than one (1) page, repeat steps 7-9</u> to capture the rest of the data list and be sure to <u>add the page number</u> to the file name as mentioned in step 9. If necessary, repeat until all pages are saved.

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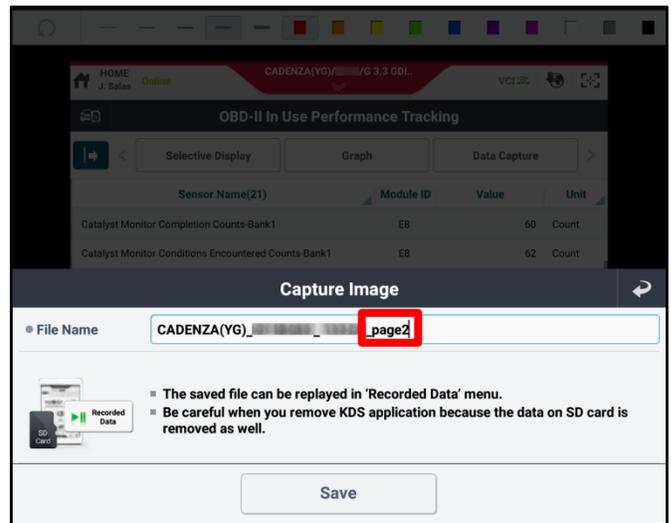
11. Once all data has been captured, return to the KDS Home Screen and select **Feedback**. If prompted for selection of a browser, select **Chrome** and then select **Always**.
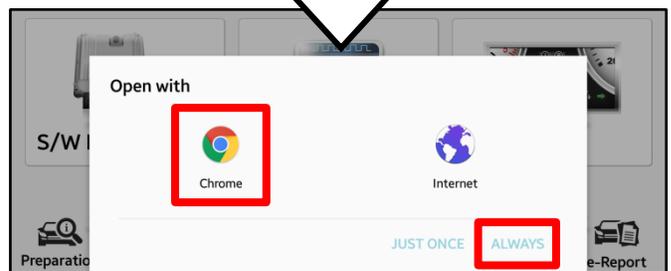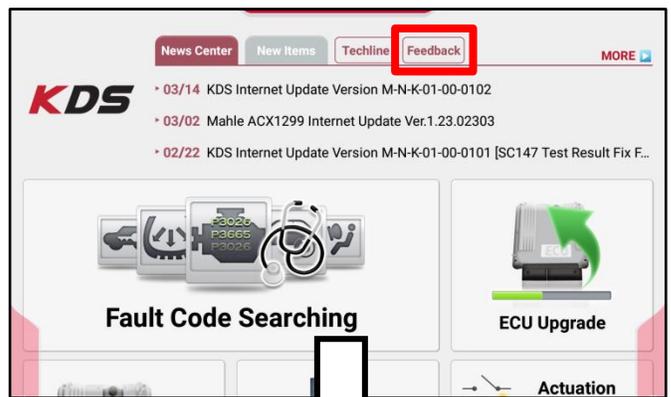
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12. Enter your dealer code, your name, and email address, VIN, model, model year then fill in the Subject and Description fields with the following:

    Subject: enter "Data Collection"

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

> ★ **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 Capture** 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.**
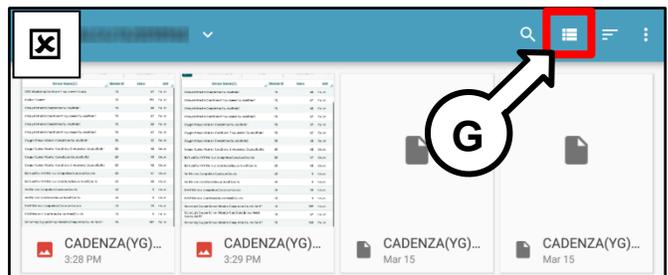
CADENZA(YG)... 3:28 PM
CADENZA(YG)... 3:29 PM
CADENZA(YG)... Mar 15
CADENZA(YG)... Mar 15

CADENZA(YG)_____ _____page1.jpg 3:28 PM
CADENZA(YG)_____ _____page2.jpg 3:29 PM
CADENZA(YG)_AT__0315-164608.GSR Mar 15
CADENZA(YG)_AT__0315-173355.GSR

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.

☆ **NOTICE**

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Rio (SC) 1.6L	
Sportage (QL) 2.0L-T, 2.4L	
Sedona (YP) 3.3L	
Sorento (UM) 2.4L, 3.3L	
K900 (RJ) 3.3L-T	
Optima (JF/JFa) 1.6L-T, 2.0L-T, 2.4L, Optima Hybrid (JF HEV) 2.0L, Optima Plug-in Hybrid (JF PHEV) 2.0L	2019MY (Sold in California only)
Forte (BDm) 2.0L	
Soul (PS) 1.6L, 1.6L-T, 2.0L	
Cadenza (YG) 3.3L	
Niro (DE P/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.
DC19SC1				19MY RIO 1.6 ULEV	19SC16U1			
DC19QL1				19MY SPORTAGE 2.4 SULEV	19QL24S1			
DC19QL2				19MY SPORTAGE 2.4 ULEV	19QL24U1			
DC19QL3				19MY SPORTAGE 2.0T ULEV	19QL20U1			
DC19JF1				19MY OPTIMA 2.0T ULEV	19JF20U1			
DC19JF2				19MY OPTIMA 2.4 ULEV	19JF24U1			
DC19JF3				19MY OPTIMA 2.4 SULEV	19JF24S1			
DC19JF4				19MY OPTIMA 1.6T ULEV	19JF16U1			
DC19JF5				19MY OPTIMA 2.0 HEV ULEV	19JF20U2			
DC19JF6				19MY OPTIMA 2.0 PHEV ULEV	19JF20U3			
DC19YP1				19MY SEDONA 3.3 ULEV	19YP33U1			
DC19UM1				19MY SORENTO 2.4 ULEV	19UM24U1			
DC19UM2	V	100CA EM999	0	19MY SORENTO 3.3 ULEV	19UM33U1	0.4 M/H	N/A	0
DC19PS1				19MY SOUL 1.6T ULEV	19PS16U1			
DC19PS2				19MY SOUL 1.6 ULEV	19PS16U2			
DC19PS3				19MY SOUL 2.0 SULEV	19PS20S1			
DC19PS4				19MY SOUL 2.0 ULEV	19PS20U1			
DC19BD1				19MY FORTE 2.0 SULEV	19BD20S1			
DC19BD2				19MY FORTE 2.0 ULEV	19BD20U1			
DC19YG1				19MY CADENZA 3.3 ULEV	19YG33U1			
DC19RJ1				19MY K900 3.3T ULEV	19RJ33U1			
DC19DE1				19MY NIRO 1.6 HEV ULEV	19DE16U1			
DC19DE2				19MY NIRO PHEV 1.6 ULEV	19DE16U2			
DC19CK1				19MY STINGER 2.0T ULEV	19CK20U1			
DC19CK2				19MY STINGER 3.3T ULEV	19CK33U1			