	GROUP	MODEL
KIA	ENG	**2018MY** **Multiple Models** **(see table on p. 7)**
	NUMBER	DATE
	178 (Rev 3, 07/11/2019)	**January 2018**

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. Note that a **New "Web Based" KDS IUMPR Data Collection** procedure is outlined. Reference (SST064).

★ 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**

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

∗ 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: Invalid R/O number, 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

Starting on May 31, 2019 with the release of KDS Internet <u>Update M-N-K-01-00-0135</u>, the new IUMPR function will be loaded onto the KDS. Once installed, all IUMPR data will be electronically transmitted by KDS when connected to internet.

---

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.
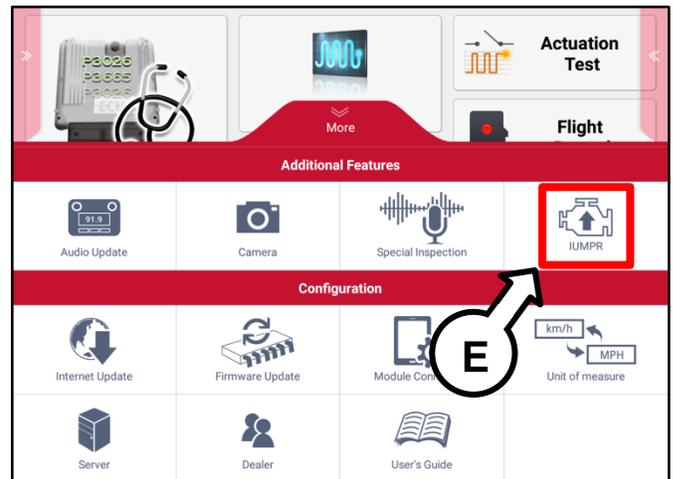

TSB: DC18 (Rev 3) Multiple Models January 2018

SUBJECT:

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

4. Confirm communication with VCI (B) and then configure the vehicle (C) using the **AUTO VIN** (D) feature.
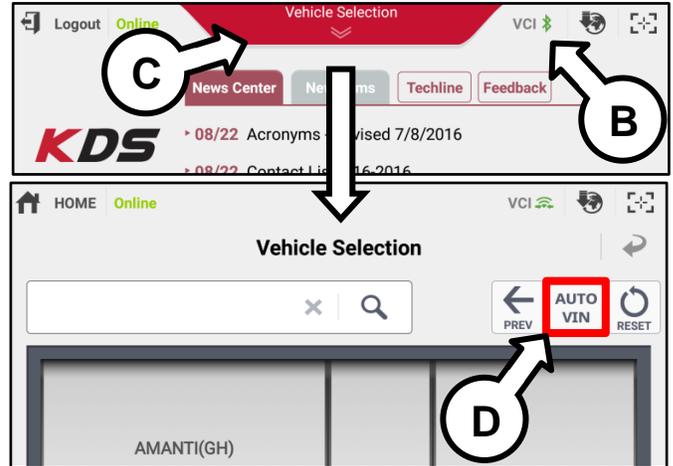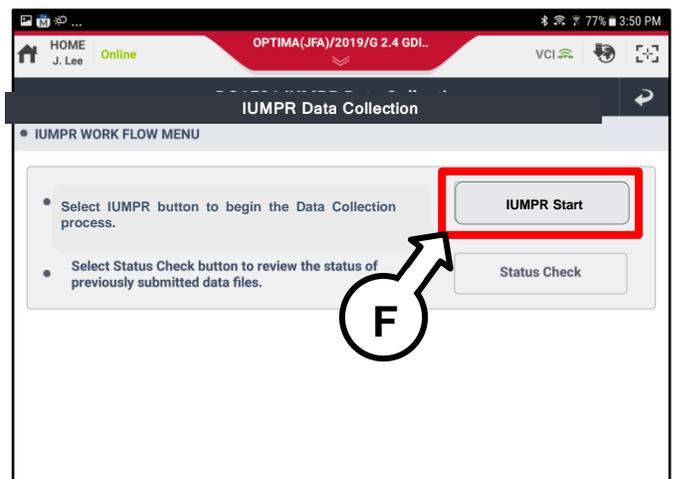
5. Select the **IUMPR** function (E) from the **More** section after pulling it up from the bottom of the screen.

6. Select **IUMPR Start** (F).

> ⭑ **NOTICE**
>
> **Make sure KDS is connected to the internet. It must be able to confirm the vehicle has an open DC 18 Data Collection.**

7. The IUMPR Data Collection screen should open in the event the vehicle has an open DC 18 data collection.

> ★ **NOTICE**
>
> **You may receive an error screen if vehicle does not have an open DC 18 Data Collection, or if any of the other conditions specified on page 1 does not apply.**

8. Enter the applicable information (G) accurately into each field.

> ★ **NOTICE**
>
> **Test Group is found on the engine underhood emission label. Refer to the step 1, on page 2.**

9. The following screen confirms your entered information and the first page of collected IUMPR data.

> ★ **NOTICE**
>
> **Confirm the correct VIN (H) was successfully captured by the initial KDS Auto VIN.**

10. Scroll the screen down to the second page until the **Send** (I) button appears.

   Select **Send** (I) to transmit collected data to Kia's server.

Sensor Name(33)	Module ID	Value	Unit
Air Fuel Ratio Imbalance Monitor Completion Counts Bank 2	E8	0	Count
Air Fuel Ratio Imbalance Monitor Conditions Encountered Counts Bank 2	E8	0	Count
Particulate Filter Monitor Completion Counts Bank 1	E8	0	Count
Particulate Filter Monitor Conditions Encountered Counts Bank 1	E8	0	Count
Particulate Filter Monitor Completion Counts Bank 2	E8	0	Count
Particulate Filter Monitor Conditions Encountered Counts Bank 2	E8	0	Count
Certification Test Group/Engine Family Number	E8	KKMXV02.4DH3	-
Ignition Counter (Recent)	E8	0	Count
Total Distance Traveled (Recent)	E8	0	km
Positive Kinetic Energy (Recent)	E8	0	km/h2
Total Propulsion System Active Time (Recent)	E8	0	Sec

Previous | **I** Send

11. This screen will confirm KDS has successfully electronically transmitted the vehicle's IUMPR data to Kia's server.

   Select **Print** (J) to get a record of the IUMPR data collection to attach to the repair order as evidence of collection.
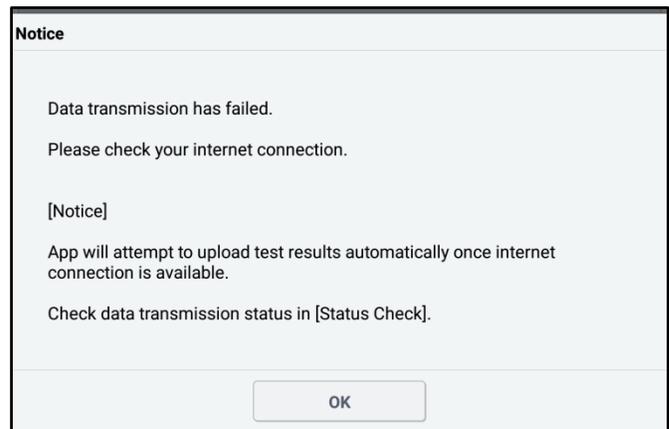
Notice

Test result has sent out successfully.

Do you want to print as well? **J**

Print | Cancel
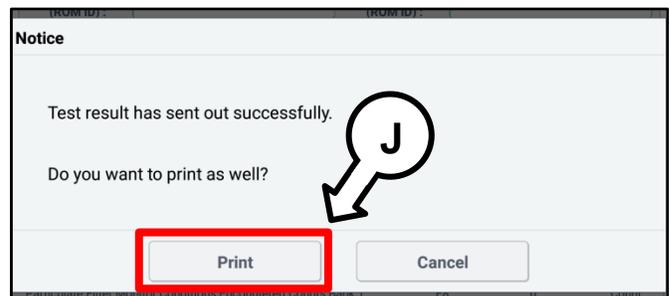
> ★ **NOTICE**
>
> **Submission of screenshots by KDS Feedback is no longer required for claim payment. The data will be transmitted electronically by KDS.**

12. If the event of an unsuccessful transmission of data, the following error screen may occur:

   a) Refer to **Checking IUMPR Data Transmission Status** on page 6 to confirm if status shows **pending** meaning that the data has been captured by KDS and will automatically be sent when internet is later restored.

   b) Should **Checking IUMPR Data Transmission Status** not show a status of **pending** or **sent** for the applicable VIN, then the above collection procedure steps 1-11 will need to be repeated.

Notice

Data transmission has failed.

Please check your internet connection.

[Notice]

App will attempt to upload test results automatically once internet connection is available.

Check data transmission status in [Status Check].

OK

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

Checking IUMPR Data Transmission Status:

1. Select **Status Check** (A) from the **DC Data Collection** screen.
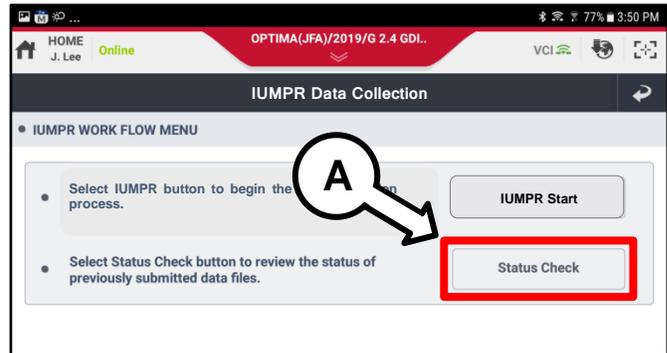
2. The **Data Transmission Status Check** screen will display the following:

    (B) **Sent** indicates IUMPR data has been sent successfully to Kia's server.

    (C) **Pending** indicates IUMPR data was collected and saved in KDS, but remains to be sent automatically to the Kia server once an internet connection is later established.

    ┌─── ★ **NOTICE** ───┐

    You may try Send All Pending if you have just connected to the internet, otherwise it will be sent automatically once internet is restored. You can confirm transmission status later.
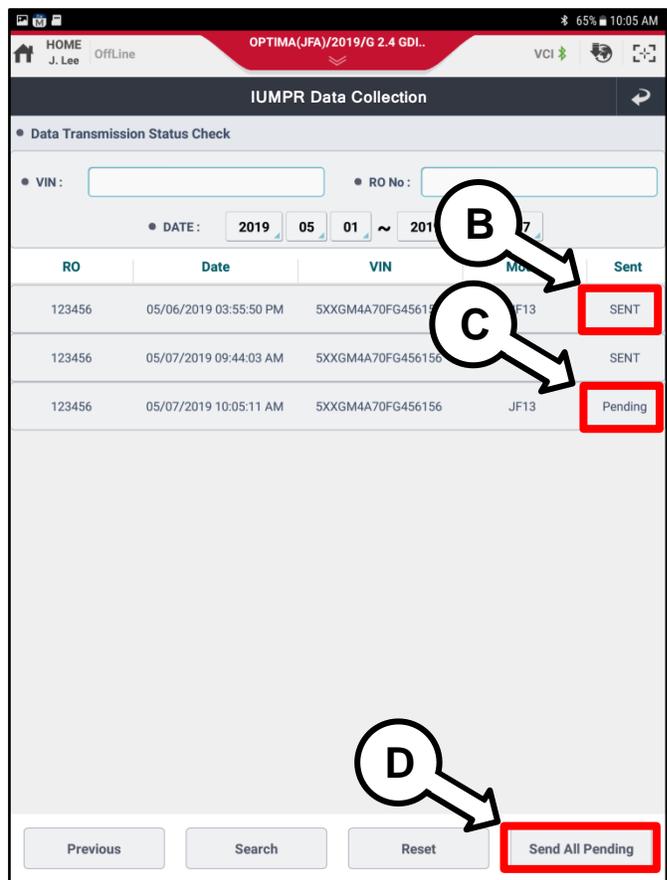
3. A particular VIN or R/O number or Date range (E) can be entered at the top search section to find past collected data sent from the KDS.

    ┌─── ★ **NOTICE** ───┐

    To display past collected data, select any case on the list to view it.

TSB: DC18 (Rev 3) Multiple Models January 2018
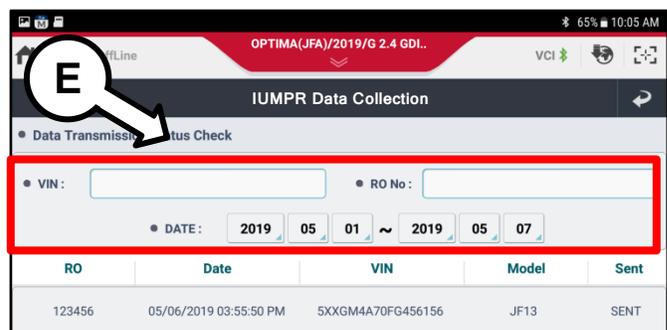
SUBJECT:

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

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	0.4 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			
DC18YD4				Forte 2.0L CA SULEV	18YD20C2			
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			