GROUP	MODEL
Body	2013MY Sorento (XM)
NUMBER	DATE
PS257	May 2013

KIA

PITSTOP **TECHNICAL OPERATIONS**

SUBJECT: PANORAMIC SUNROOF DUST SEAL REPLACEMENT

When diagnosing a panoramic sunroof assembly with torn dust seals, refer to the procedure below to replace <u>ONLY</u> the affected dust seals and <u>NOT</u> the panoramic sunroof assembly.

Part No.	Description	QTY
KG310 1301	Seal (RH), Sunroof Dust	1
KG310 1601	Seal (LH), Sunroof Dust	1

Panoramic Sunroof Components:
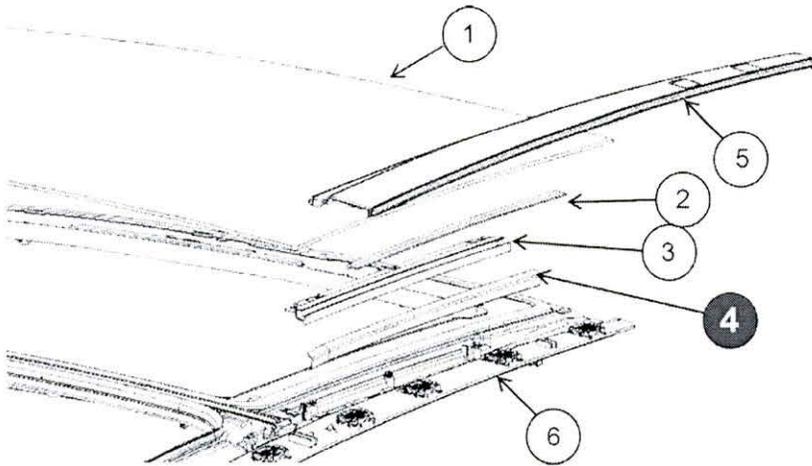
No.	Description
1.	Glass Panel
2.	Rear Rail Cover Seal
3.	Rear Rail
4.	Dust Seal
5.	Side Molding Panel
6.	Sunroof Frame Assy.

Service Procedure:

1. Carefully remove the front and rear roof rack rail trim pieces.

2. Remove the roof rack rail.
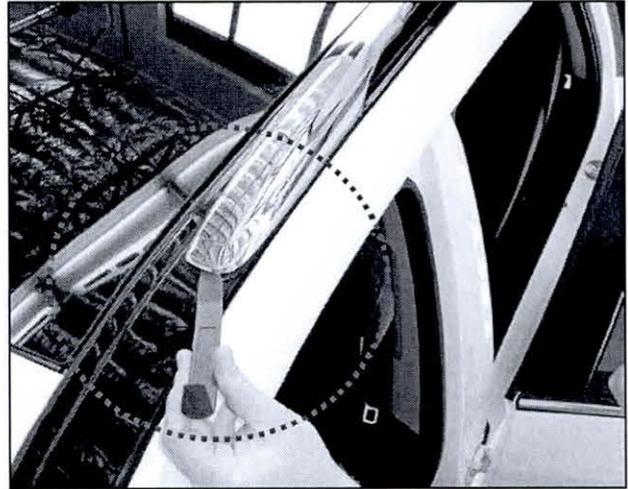
3. Carefully remove the rear sunroof side molding panel.
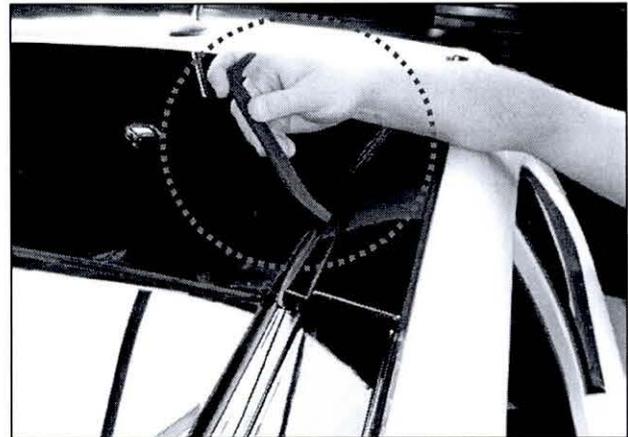
4. Remove the dust seal by pulling it up and towards the front of the vehicle.

5. Clean out any debris, if present, and lubricate the sunroof track using Silicone based grease (P/N UM011 CH052).

6. Clean the mounting surface for the dust seal using Isopropyl Alcohol.

7. Install the new dust seal.

8. Re-install all removed components by reversing the order of removal.
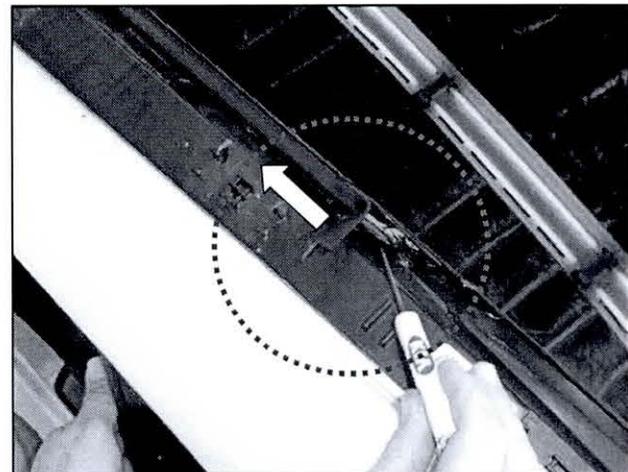
	GROUP	MODEL
KIA	Engine	2013MY Rio 1.6L, Soul 1.6L & 2.0L, Forte 2.0L & 2.4L, Optima 2.4L & 2.0L Turbo, Optima Hybrid, Sorento 2.4L & 2.4L GDI & 3.5L, Sportage 2.4L & 2.0L Turbo,
	NUMBER	DATE
	124 [Rev 4, 5/15/2013]	October 2012

TECHNICAL SERVICE BULLETIN

SUBJECT:

DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC004)

*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.

This bulletin provides information related to extracting "in use performance tracking" emissions data from the engine control unit (ECU) in certain vehicles sold in California. The California Air Resources Board (CARB) requires the emissions data from vehicles with a minimum of 3000 accumulated miles without reprogramming or resetting. To facilitate collection of this data at the dealer level, GDS screen shots 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.

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

- WebDCS shows this as an open Data Collection code DC004A⟶Q (depending on model) for the vehicle.

*NOTICE

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

- Vehicle has more than 3000 miles on its odometer.

- Vehicle repair history does not show battery replacement/disconnection/reset or an ECU Update done in the last 3000 miles, because IUMPR (In Use Monitor Performance Ratio) data would have been cleared by such an event.

- Vehicle does not have a check engine light ON.

File Under: <Engine>

Circulate To:	X General Manager	X Service Manager	X Parts Manager
X Service Advisor(s)	X Technician(s)	X Body Shop Manager	X Fleet Repair

SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA
             EMISSIONS DATA FROM ECU (DC004)

> ⚠️ **CAUTION**
>
> If vehicle meets above criteria, collect data prior to any other campaign or repair-related activities.

Service Procedure:

1. Open the engine compartment and locate the emission label under the hood. Locate and write down the **"Group"** number for later entry into the form.

(KIA)	KIA MOTORS CORPORATION VEHICLE EMISSION CONTROL INFORMATION
Conforms to regulations :	2012 MY
U.S.EPA : For sale only in states with California emissions standards	OBD : N/A Fuel : N/A
California : SULEV II (ZEV) PC	OBD : CA II Fuel : Gasoline
No adjustments required.	SFI/HO2S(2)/WU-TWC/TWC
Group : CKMXV02.0TPC Evap. : CKMXR0140PPT	CG13 32453-2G133

2. To start, use the Global Diagnostic System (GDS). Begin by clicking on **"ID Register."** Click on **"Auto VIN"** or manually enter vehicle information on the next screen.

> ✳️ **NOTICE**
>
> GDS must be updated to version N-K-01-10-0012 or later to properly collect data!
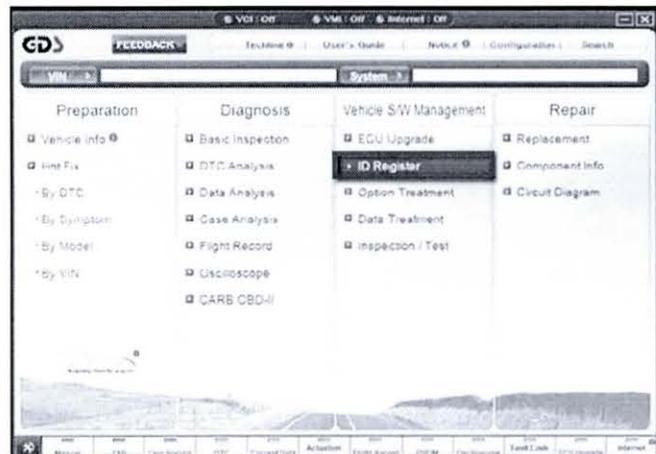
3. Choose **"Engine"** under **"Select System."** Click "OK" and follow on screen instructions for connecting to vehicle.

4. To verify the VIN, select **"Read VIN"** under the **"Vehicle S/W Management"** menu. Click **"OK"** and write down the VIN for later entry into form.
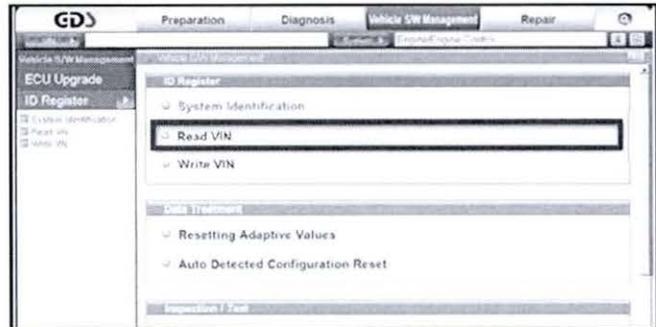
5a. Select **"System Identification."**
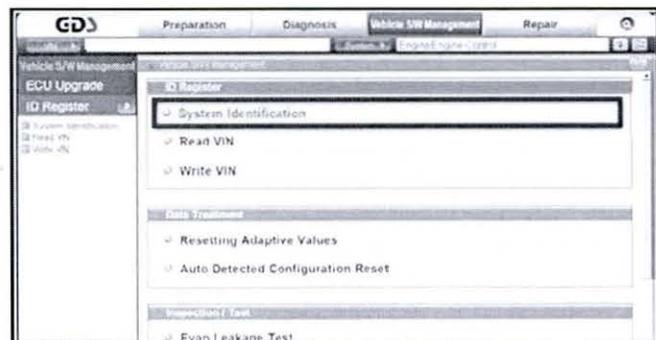
5b. Do a screen capture of **"Calibration ID"** or **"ROM ID"** number for later form entry.

Select **"Scantool Area – Full"** and click **"Send to file."** The GDS will set up a designation folder and file name to save the captured data. Please change the file name to include the model/engine, the last 6 digits of the VIN and the date (mmddyyyy).

Before saving, write down the file name and designation folder for further reference.

Example: KM20L_703429_12142012

(Model & Eng.) (VIN) (mmddyyyy)

Next, go to the main screen by clicking on the "GDS" logo at the top left of the screen.

---
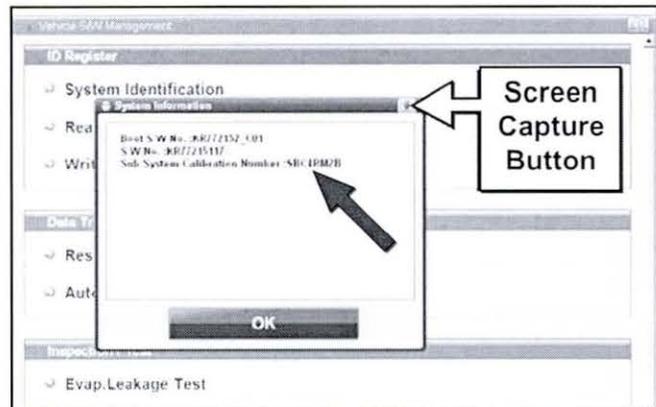
*NOTICE

Before saving, write down the Calibration Number (indicated by red arrow) for further reference.

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6. Then select **"CARB OBD-II"** under the **"Diagnosis"** tab.
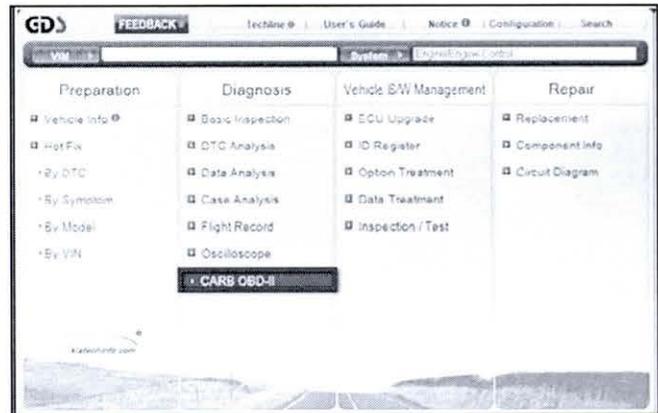
7. Click on **"IN-USE Performance Tracking"** found in the CARB OBD-II list at the bottom left of the screen. Then click the **"Expand"** button at the top right corner of **"IN-USE Performance Tracking"** window.

*NOTICE

If all values indicate "Not Supported" or "0", check to make sure you have GDS software version N-K-01-10-0012 or later. If the software version is correct, and all values show "Not Supported" or "0", the vehicle will not qualify for this data collection, as it may have received a recent ECM Update or battery replacement/reset of the data values.
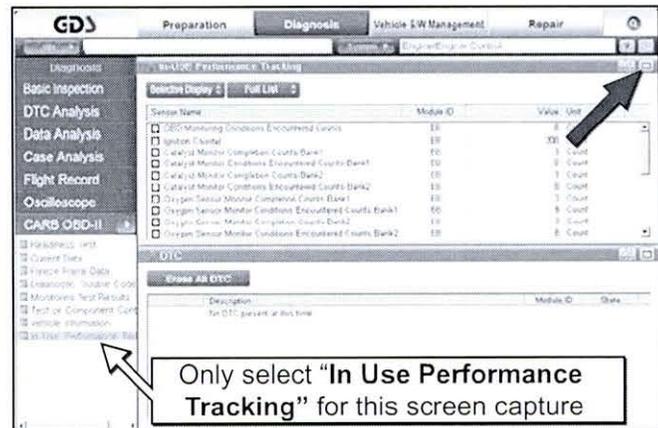
Only select **"In Use Performance Tracking"** for this screen capture

8. To capture the GDS data, click on the **"Capture"** button.

*NOTICE

Make sure you capture the entire screen, if only part of the list is displayed, first click "Expand" button, then proceed to capture the entire screen.
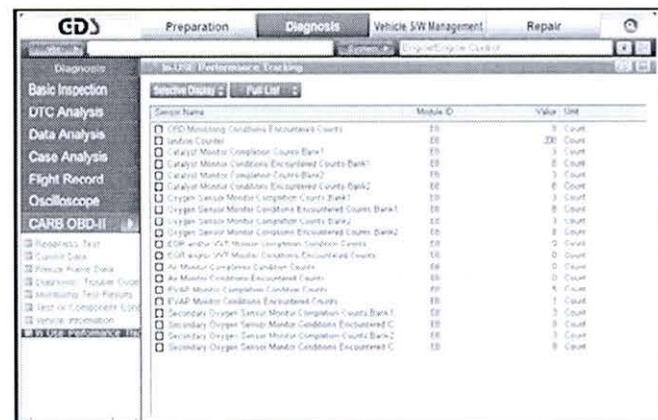
9. Select **"Scantool Area – Full"** and click **"Send to file."** The GDS will set up a designation folder and file name to save the captured data. Please change the file name to include the model/engine, the last 6 digits of the VIN and the date (mmddyyyy). Before saving, write down the file name and designation folder for further reference.

   Example: KM20L_703429_12142012

   (Model & Eng.) (VIN) (mmddyyyy)
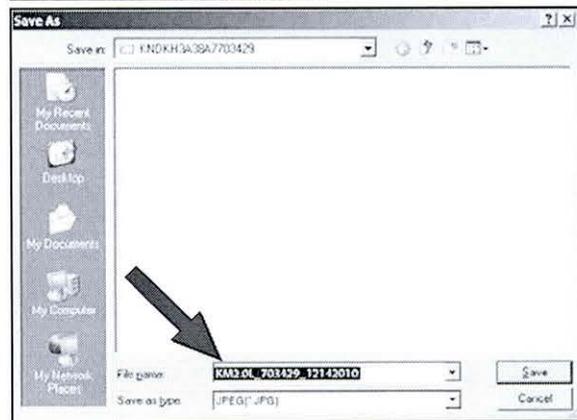
10. After saving the file, return to the GDS home page by clicking on the **"GDS"** logo in the upper left hand corner.
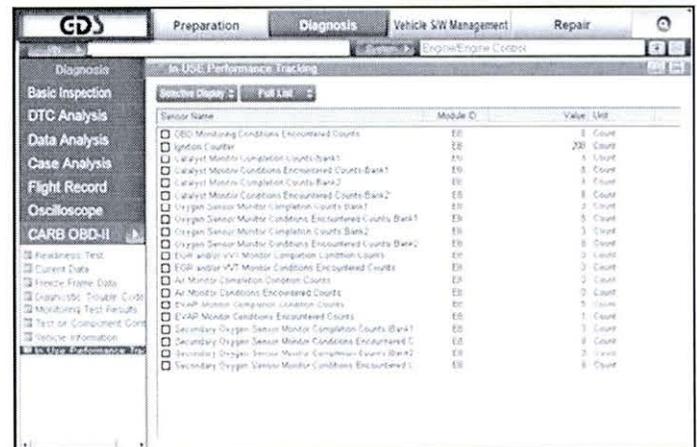
SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA
EMISSIONS DATA FROM ECU (DC004)

11. Then click on the **"Feedback"** button.

12. Enter all the information requested in
the form including your name and email
address.

- For System, enter "Engine."

- For Subject, enter **"Data Collection."**

- In the Description area:

  o Type **"Group:"** followed by the
  group number from the Vehicle
  Emission Control Information
  label in Step 1.

  o Type **"Calibration ID:"** followed
  by the calibration ID obtained in
  Step 5b.

  o Add current odometer mileage.

  o Add RO#.

✱NOTICE

Please check to ensure both group and Cal ID numbers are correctly entered.

SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA
EMISSIONS DATA FROM ECU (DC004)

13. To attach the data to the feedback form,
click on the **"Browse"** button.

14. Refer to the file name and destination from
Step 9.

- Navigate to: Local Disk (D:) / gvciData /
Record /

- Click on the folder for the vehicle i.e.,
"Sportage (KM)."

- Click on the folder containing the vehicle
VIN.

- Click on the file name.

- Once the file name appears in the **"File
Name"** box, click on the **"Open"** button.
Once file name appears in attachment
field, repeat and attach

- Screen capture of **"Calibration ID"** or
"ROM ID" number from Step 5b.
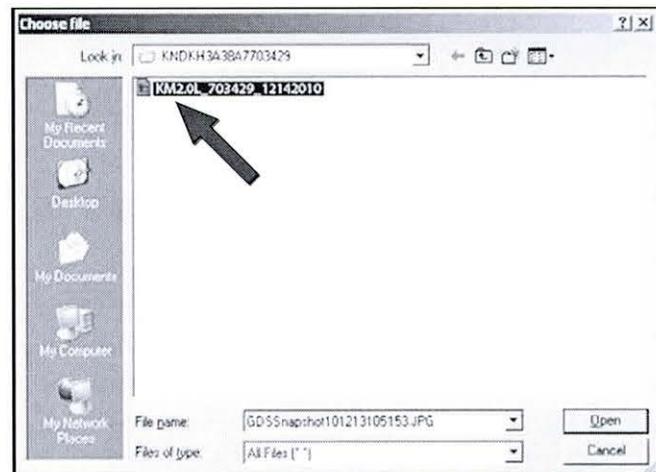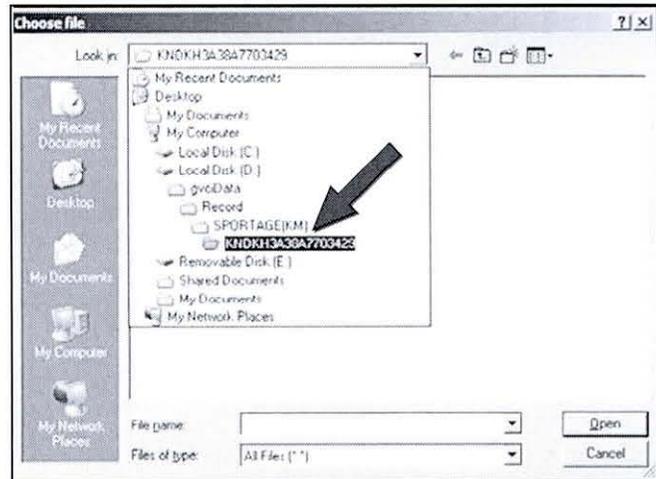
⭑NOTICE

Ensure that you attach the correct
files by confirming they are the same
as those specified in Steps 5b & 9.

Incorrect attachments render data
submissions useless and are subject
to a charge back of the warranty
claim.

SUBJECT:	DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC004)

15. When the file name appears in the attachment field and all the information has been entered, click the **"Submit"** button.

*NOTICE

GDS must be connected to the internet to submit data.

16. Click on the **"Close"** button to finish.

*NOTICE

You may also print the data prior to submitting as record to attach to the RO.

AFFECTED VEHICLE PRODUCTION RANGE:

Models		Production Range
• Rio 1.6L	• Soul 1.6L & 2.0L	
• Forte 2.0L	• Optima 2.4L	
• Optima 2.0L Turbo	• Optima Hybrid	
	• Sorento 2.4L & 2.4L GDI	2013MY
• Sorento 3.5L	• Sportage 2.4L	
• Sportage 2.0L Turbo	• Forte 2.4L	

2013MY DATA COLLECTION WARRANTY CLAIM INFORMATION:

*NOTICE

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

TSB: ENG 124 [Rev 4]   Various Models   October 2012

SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC004)

Campaign ID	Claim Type	Causal P/N	Qty	N Code	C Code	Repair Description	Labor Op Code	Time	Replace-ment P/N	Qty
DC004A	V					Extract ECU data: Rio 1.6L	13HCARQA			
DC004B	V					Extract ECU data: Soul 1.6L	13HCARQB			
DC004C	V					Extract ECU data: Soul 2.0L	13HCARQC			
DC004D	V					Extract ECU data: Forte 2.0 SULEV	13HCARQD			
DC004E	V					Extract ECU data: Optima 2.4L SULEV	13HCARQE			
DC004F	V					Extract ECU data: Sorento 2.4L	13HCARQF			
DC004G	V					Extract ECU data: Sorento 2.4L GDI	13HCARQG			
DC004H	V					Extract ECU data: Sorento 3.5L	13HCARQH			
DC004I	V	100CA EM999	0	N99	C99	Extract ECU data: Optima 2.0L Turbo	13HCARQI	0.3 M/H	N/A	0
DC004J	V					Extract ECU data: Sportage 2.4L SULEV	13HCARQJ			
DC004K	V					Extract ECU data: Sportage 2.4L ULEV	13HCARQK			
DC004L	V					Extract ECU data: Sportage 2.0L Turbo	13HCARQL			
DC004M	V					Extract ECU data: Forte 2.4L SULEV	13HCARQM			
DC004N	V					Extract ECU data: Forte 2.4L ULEV	13HCARQN			
DC004O	V					Extract ECU data: Forte 2.0L ULEV	13HCARQO			
DC004P	V					Extract ECU Data: Optima 2.4L ULEV	13HCARQP			
DC004Q	V					Extract ECU Data: **Optima Hybrid**	13HCARQQ			

✱NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference DC004 when accessing the WebDCS system.