KIN	GROUP Engine	MODEL 2014MY Forte 2.0L, Forte 1.8L, Sorento 2.4L, Sorento 3.3L, Sedona 3.5L, Cadenza 3.3L
	NUMBER 137 (Rev 1, 10/15/2013)	DATE September 2013
TECHNICAL	SERVICE BULLE	ΓΙΝ
SUBJECT: DATA COLLECTION: EX		

FROM ECU (DC005)

***** 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) 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 <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 <u>open</u> Data Collection code DC005A →G (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.

File Under: < Engine>

Circulate To:Image: General ManagerImage: Service ManagerImage: Parts ManagerImage: Service Advisor(s)Image: Technician(s)Image: Body Shop ManagerImage: Fleet Repair

- 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.

* NOTICE

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.
- 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

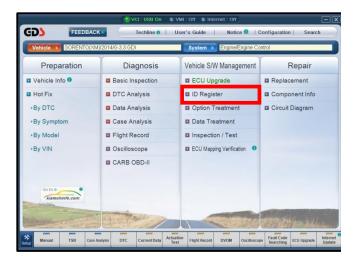
GDS must be updated to version N-K-01-13-001 or later to properly collect data!

3. Choose "Engine" under "Select System." Click "OK" and follow on screen instructions for connecting to vehicle.

***** NOTICE

Screens shown in this bulletin are for demonstration purposes only and will vary depending on the vehicle.

KIA	KIA MOTORS CORPORATION VEHICLE EMISSION CONTROL INFORMATION						
Conforms t	o regulations :		2014 1	NY			
U.S.EPA :	T2B5 LDV	OBD :	CAII	Fuel :	Gasoline		
California :	ULEV II PC	OBD :	CAII	Fuel :	Gasoline		
No adjustme	nts needed.		DFI/2HO	2S(2)/2WL	J-TWC/TWC		
Group : EKMXV03.34KE Evap. : EKMXK01394KE		MA		324	2450-3C411		





 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".

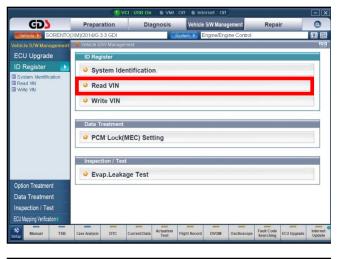
5b. Do a screen capture of "Calibration ID" or "ROM ID" number for later form entry. Select "Entire GDS Area" and click "Send to file". The GDS will set up a designation folder and file name to save the captured data. Please change the file name to include the model/engine, the last 6 digits of the VIN and the date (mmddyyyy). Before saving, write down the file name and designation folder for further reference.

Example: XM33L_437824_09202013 (Model & Eng.) (VIN) (mmddyyyy)

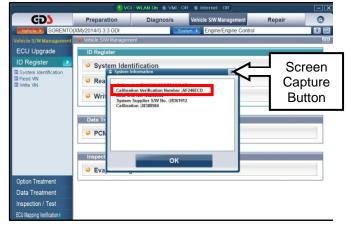
Next, go to the main screen by clicking on the **"GDS"** logo at the top left of the screen.

***** NOTICE

Before saving, write down the Calibration Verification Number for further reference.



	() vci	: USB On 🛛 VMI :	Off 🛛 Internet : Off			- X
GD	Preparation	Diagnosis	Vehicle S/W Manag	ement Rep	pair	0
Vehicle SORENTO(X	M)/2014/G 3.3 GDI		System 🕨 Engine/Engi	ne Control		0 2
Vehicle S/W Management	🚪 Vehicle S/W Manageme	nt				
ECU Upgrade	ID Register					
ID Register	 System Ident 	tification				
Read VIN Write VIN	Read VIN					
	Write VIN					
	Data Treatment PCM Lock(M Inspection / Test Evap.Leakag				_	
Option Treatment	L					
Data Treatment						
Inspection / Test						
ECU Mapping Verification I						
Setup Manual TSB	Case Analysis DTC C	urrent Data Actuation Test	Flight Record DVOM	Oscilloscope Fault Cor Searchin	de ECU Upgrade	Internet Update



 Then select "CARB OBD-II" under the "Diagnosis" tab.

Click on "IN-USE Performance

7. 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.

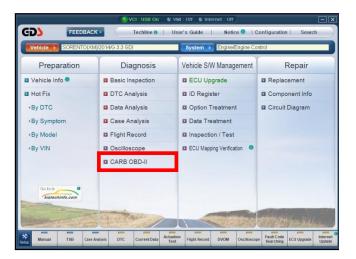
* NOTICE

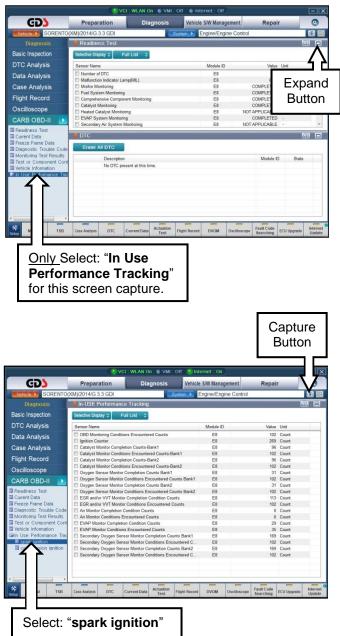
If all values indicate "Not Supported" or "0", check to make sure you have GDS software version N-K-01-13-001 or later. If the software version is correct, and all values show "Not Supported" or "0", the vehicle will not qualify for this data collection, as it may have received a recent ECM Update or battery replacement/reset of the data values.

8. Click on **"spark ignition"** and then capture the GDS data by clicking 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.

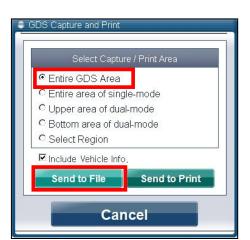


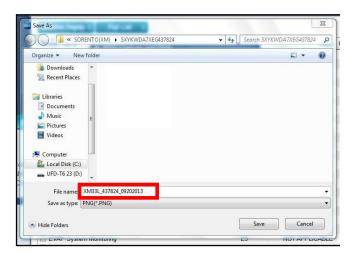


9. Select "Entire GDS Area" and click "Send to file." The GDS will set up a designation folder and file name to save the captured data. Please change the file name to include the model/engine, the last 6 digits of the VIN and the date (mmddyyyy). Before saving, write down the file name and designation folder for further reference.

Example: XM33L_437824_09202013

(Model & E	ng.) (Vl	N) (mmdd	lyyyy)





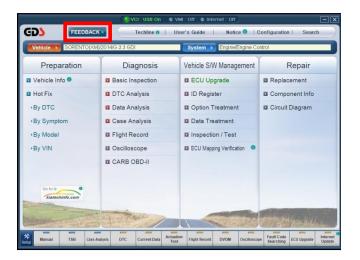
10. After saving the file, return to the GDS home page by clicking on "GDS" logo in the upper left hand corner.

Vehicle SURENTO(XM)/2014/G 3.3 GDI System >	Engine/Engine Control		6
Diagnosis	In-USE Performance Tracking			(A) E
Basic Inspection	Selective Display C Full List			
DTC Analysis	Sensor Name	Module ID	Value Unit	
Data Analysis	E OBD Monitoring Conditions Encountered Counts	E8	102 Count	
Data Analysis	Ignition Counter	E8	269 Count	
Case Analysis	Catalyst Monitor Completion Counts-Bank1	E8	96 Count	
NAME OF A DESCRIPTION OF A	Catalyst Monitor Conditions Encountered Counts-Bank1	E8	102 Count	
Flight Record	Catalyst Monitor Completion Counts-Bank2	E8	96 Count	
Oscilloscope	Catalyst Monitor Conditions Encountered Counts-Bank2	E8	102 Count	
Oscilloscope	Coxygen Sensor Monitor Completion Counts Bank1	E8	31 Count	
CARB OBD-II 🔹 🔊	Coxygen Sensor Monitor Conditions Encountered Counts Bank1	E8	102 Count	
	Coxygen Sensor Monitor Completion Counts Bank2	E8	31 Count	
Readiness Test	Coxygen Sensor Monitor Conditions Encountered Counts Bank2	E8	102 Count	
Current Data	EGR and/or VVT Monitor Completion Condition Counts	E8	113 Count	
Freeze Frame Data	EGR and/or VVT Monitor Conditions Encountered Counts	E8	102 Count	
Diagnostic Trouble Code	C Air Monitor Completion Condition Counts	E8	0 Count	
Monitoring Test Results	Air Monitor Conditions Encountered Counts	E8	0 Count	
Test or Component Cont	EVAP Monitor Completion Condition Counts	E8	29 Count	
Vehicle Information	EVAP Monitor Conditions Encountered Counts	E8	35 Count	
In Use Performance Trac	Secondary Oxygen Sensor Monitor Completion Counts Bank1	E8	169 Count	
spark ignition	Secondary Oxygen Sensor Monitor Conditions Encountered C	E8	102 Count	
Compression ignition	Secondary Oxygen Sensor Monitor Completion Counts Bank2	E8	169 Count	
	Secondary Oxygen Sensor Monitor Conditions Encountered C	EB	102 Count	

Page 6 of 8

SUBJECT: DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC005)

11. Then click on the "Feedback" button.



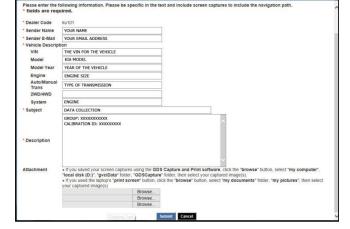
- 12. Enter all the information requested in the form including your name and email address.
 - For System, enter "Engine."
 - For Subject, enter "Data Collection."
 - In the Description area,
 - Type "**Group:**" followed by the group number from the Vehicle Emission Control Information label in step 1.
 - Type "Calibration ID:" followed by the calibration ID obtained in step 5b.
 - Add current odometer mileage.
 - Add RO#.

* NOTICE

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

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

System	ENGINE
* Subject	DATA COLLECTION
	GRUIP: X00000000X CALIBRATION ID: X00000000X
* Description	
Attachment	I from severity our screen captures using the QDS Capture and Print's othware, click the "browse" button, select "my computer", flocal disk (QT), "gricultar' failed," gricultar's failed, "gricultar failed," gricultar failed, "my select and I from used the bipton's "print screen" button, click the "browse" button, select "my documents" folder, "my pictures", then select your captured image(s) Browse. Browse.
	Browse
	Support Submit Cancel



- 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.,* "Sorento (XM)."
 - 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 <u>confirming</u> they are the same as it is written down in step 5 & 9. Incorrect attachments render data submissions useless and are subject to a charge back of the warranty claim.

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



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.

	El Name	Date modified	Type	Size			
🖈 Favorites				2126			
Desktop	SXYKWDA7XEG437824	9/20/2013 11:27 AM	File folder				
Recent Places							
Jibraries							
Documents							
J Music							
Pictures							
Videos							
Computer							
🚨 Local Disk (C:)							
- UFD-T6 23 (D:)							
Network							

Dealer Code	ku101	
Sender Name	YOUR NAME	
Sender E-Mail	YOUR EMAIL ADDRESS	
Vehicle Descript		
VIN	THE VIN FOR THE VEHICLE	
Model	KIA MODEL	
Model Year	YEAR OF THE VEHICLE	
Engine	ENGINE SIZE	
Auto/Manual Trans 2WD/4WD	TYPE OF TRANSMISSION	
System	ENGINE	
Subject	DATA COLLECTION	
Description	GROUP: SODOODOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	
Attachment	If you saved your screen captures using the GDS Capture and Print software, click the "browse" hutton, select "my focal disk (D)", "gvclDda" folder: "GDSCapture" folder, then select your captured image(s). If you used the taptop's "print screen" button, click the "browse" button, select "my documents" folder, "my platures your captured image(s).	
	Browse	

GDS Feedback
Your feedback successfully sent to KMA administrator.

AFFECTED PRODUCTION RANGE:

Model	Production Range
Forte 2.0, Forte 1.8 (SULEV) , Forte 1.8 (ULEV), Sorento 2.4L, Sorento 3.3L, Sedona 3.5L, Cadenza 3.3L	2014MY

2014MY 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. <u>Data collections initiated after a line item is closed are subject to chargeback</u>.

To ensure proper claim processing, enter VIN in DCS and allow the system to auto populate claim fields.

Campaign ID	Claim Type	Causal P/N	Qty	N Code	C Code	Repair Description	Labor Op Code	Time	Replacement P/N	Qty
DC005A	V	100CA EM999	0	N99	C99	Extract ECU data: Forte 2.0L	14HCARQA	0.3 M/H	N/A	0
DC005B	V	100CA EM999	0	N99	C99	Extract ECU data: Forte 1.8L SULEV	14HCARQB	0.3 M/H	N/A	0
DC005C	V	100CA EM999	0	N99	C99	Extract ECU data: Forte 1.8L ULEV	14HCARQC	0.3 M/H	N/A	0
DC005D	V	100CA EM999	0	N99	C99	Extract ECU data: Sorento 2.4L	14HCARQD	0.3 M/H	N/A	0
DC005E	V	100CA EM999	0	N99	C99	Extract ECU data: Sorento 3.3L	14HCARQE	0.3 M/H	N/A	0
DC005F	V	100CA EM999	0	N99	C99	Extract ECU data: Sedona 3.5L	14HCARQF	0.3 M/H	N/A	0
DC005G	V	100CA EM999	0	N99	C99	Extract ECU data: Cadenza 3.3L	14HCARQG	0.3 M/H	N/A	0

***** NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference <u>DC005</u> when accessing the WebDCS system.