		GROUP	MODEL			
		ENG	2018MY Multiple Models (see table on Pages 12-13)			
		NUMBER	DATE			
		178	January 2018			
	TECHNICAL SERVICE BULLETIN					
	DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS					
SUBJECT:	DATA FROM	MECU (DC18)				

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</u> <u>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>

File Under: <engine></engine>			
Circulate To: 🛛 🖾 G	eneral Manager	Service Manager	I Parts Manager
Service Advisors	I Technicians	Body Shop Manager	☐ Fleet Repair

Page 2 of 13

SUBJECT:

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

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 DC18XXXX (depending on model; see table on pages 12-13) 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.

***** NOTICE

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

KDS Service Procedure:

* NOTICE

The KDS tablet <u>MUST</u> have a SD Card installed for this procedure.

1. Open the engine compartment and locate the Vehicle Emission Control Information label.

Write down the "**Group**" number for later entry into the form.



Page 3 of 13

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

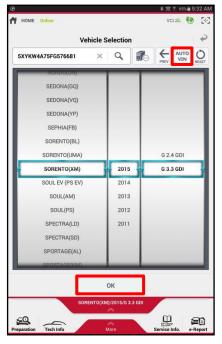
 With the ignition key on, insert the VCI II into the DLC and swipe down on the Vehicle Selection area to identify the vehicle.

***** NOTICE

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

3. Click AUTO VIN, and then click OK.





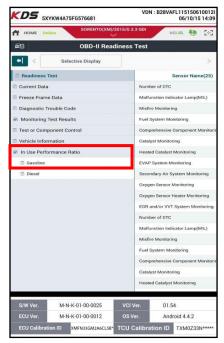
Page 4 of 13

SUBJECT:

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

4. From the KDS Home Screen, click **OBD-II**.





5. Click In USE Performance Ratio > Gasoline.

Page 5 of 13

SUBJECT:

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

6. Click the **Screen Capture** button to save a screenshot of the data.

***** NOTICE

DO NOT use the Home/Power button for the screen capture.

If the data list is longer than one (1) page, scroll down and take another screen capture.

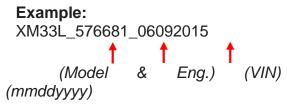


A SD Card <u>must</u> be inserted into the KDS tablet to save KDS images.

7. Click **Save** to save the image.

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

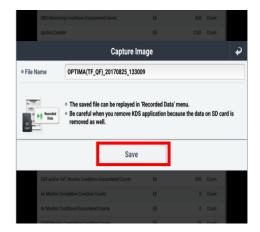
Change the file name to include the model/engine, the last 6 digits of the VIN, and the date (mmddyyyy), as shown below.



Click Save.

etteroe i				
20	OBD-II In Use Perform	nance Trac	king	
⇒ <	Selective Display		Graph	>
	Sensor Name(20)	Module ID	Value	Unit
OBD Monito	ring Conditions Encountered Counts	E8	398	Count
Ignition Counter		E8	1057	Count
Catalyst Mo	nitor Completion Counts-Bank1	E8	324	Count
Catalyst Mo Bank1	nitor Conditions Encountered Counts-	E8	398	Count
Catalyst Mo	nitor Completion Counts-Bank2	E8	324	Count
Catalyst Mo Bank2	nitor Conditions Encountered Counts-	E8	398	Count
Oxygen Sen	sor Monitor Completion Counts Bank1	E8	312	Count
Oxygen Sen Counts Banl	sor Monitor Conditions Encountered	E8	398	Count
Oxygen Sen	sor Monitor Completion Counts Bank2	E8	312	Count

Capture In	nage		
	•••		
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📾 OBD-II In Use Perform	ance Trackin	g	
l⇒ < Selective Display Grap	h	Data Capture	>
Sensor Name(20)	Module ID	Value	Unit
OBD Monitoring Conditions Encountered Counts	6.8	855	Count
Ignition Counter	6.8	2162	Count
Catalyst Monitor Completion Counts-Bank1	E8	259	Count
Catalyst Monitor Conditions Encountered Counts-Bank1	68	237	Count
Catalyst Monitor Completion Counts-Bank2	6.8	0	Count
Catalyst Monitor Conditions Encountered Counts-Bank2	6.0	0	Count
Oxygen Sensor Monitor Completion Counts Bank1	E8	266	Count
Oxygen Sensor Monitor Conditions Encountered Counts Bank1	68	203	Count
Oxygen Sensor Monitor Completion Counts Bank2	68	0	Count
Oxygen Sensor Monitor Conditions Encountered Counts Bank2	6.0	0	Count
EGR and/or VVT Monitor Completion Condition Counts	E8	968	Count
EGR and/or VVT Monitor Conditions Encountered Counts	6.8	850	Count
Air Monitor Completion Condition Counts	6.8	0	Count
Air Monitor Conditions Encountered Counts	6.0	0	Count
EVAP Monitor Completion Condition Counts	E8	29	Count
EVAP Monitor Conditions Encountered Counts	6.0	98	Count
Secondary Oxygen Sensor Monitor Completion Counts Bank1	68	745	Count
Secondary Oxygen Sensor Monitor Conditions Encountered Counts Bank1	68	855	Count
Secondary Oxygen Sensor Monitor Completion County Back?	50	0	Count



Page 6 of 13

SUBJECT:

- 9. Click the **Return Arrow** on the screen, and then click the **HOME** button to return to the KDS Home Screen.
- 10. Set Chrome as the default browser, then proceed to step 11.

If not, refer to the following Article in KGIS: "KDS-Configuring Browser for Techline and Feedback Cases" for more information.

11. Once Chrome is set as the default browser, navigate to the KDS Home Screen and then click **Feedback**.

- 12. Enter all the information requested in the form, including your name and email address, and the following information:
 - For System, enter Engine
 - For Subject, enter Data
 Collection
 - In the Description area,
 - Enter Group: followed by the group number from the Vehicle Emission Control Information Label collected in page 2, step 1.
 - Enter the current odometer mileage.
 - Enter the RO#.

* 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 requ	and.
Dealer Code	ken 📥
Sender Name	TEO-INICAN NAME
Sender E-Mail	TEO-INICIAN'S EMAIL RODRESS
Vehicle Descri	ption
VN	THE VEHICLE VIN
Model	kia wook.
Model Year	Sectors on Foreign and Sectors
Engine	INGNE SUX
11000	Print Dr Thankantsion
200/480	
System	INGNE 🛑
Subject	para coulection
Description	CHOLIN-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Attachment	- If you saved your screen captures using the KDS Capture and Print suffware, click the 'Choose File' button, select Documental', then select your captured image(s). Documental's the toruse

Page 7 of 13

SUBJECT:

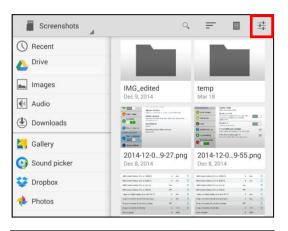
14.

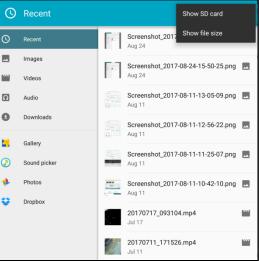
DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC18)

13. Click one of the **Choose File** buttons at the bottom of the screen.

mportant: This	s KDS Feedback Form is available to report KDS and Service Information concerns. All non-relate	eu concerns will no
	submitting KDS and Service Information concerns.	
	e following information. Please be specific in the text and include screen captures to include the	
fields are requ		r navigation path.
Dealer Code	ku003	
Sender Name	TECHNICIAN NAME	
Sender E-Mail	TECHNICIAN'S EMAIL ADDRESS	
Vehicle Descri	ription	
VIN	THE VEHICLE VIN	
Model	KIA MODEL	
Model Year	VEHICLE YEAR	
Engine	ENGINE SIZE	
Tranto	TYPE OF TRANSMISSION	
2WD/4WD		
System	ENGINE	
Subject	DATA COLLECTION	
	GROUP : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Description		
Attachment	 If you saved your screen cap ures using the KDS Capture and Print software, click the 'Choos 'Documents', then select your captured image(s). 	File" button, sele
	Choose File No file chosen	
	Choose File No file chosen	
	Choose File No file chosen	

Choose an action





15A. (Steps 15A and 15B apply to the Samsung Tab 10.1 (older tablet))

Click Documents

Click the **Settings** button in the upper right hand corner.

15B. Verify an SD Card is displayed in the left pane as a number (e.g., 1899-C039).

If not, click Show SD card.

TSB: ENG178 (Multiple Models) January 2018

Page 8 of 13

SUBJECT:

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

16A. (Steps 16A and 16B apply to the Samsung Tab S2 image (newer tablet)).

Click the **Recent** button.

16B. This will provide access to the SD Card.

		🕏 🔌 😤 60% 🖹 3:21
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i (3:21 PM 236 KB	
-	Screenshot_20170824-144132.png 2:41 PM 652 KB	
	Screenshot_20170824-143202.png 2:32 PM 632 KB	
	Screenshot_20170822-154514.png Aug 22 478 KB	
	Screenshot_20170822-092746.png Aug 22 61.44 KB	
	Screenshot_20170822-092736.png Aug 22 114 KB	
	Screenshot_20170822-092725.png Aug 22 287 KB	
-	Screenshot_20170822-092702.png Aug 22 246 KB	
	Screenshot_20170822-092634.png Aug 22 479 KB	
	Screenshot_20170818-090613.png Aug 18 205 KB	
	Screenshot_20170814-095454.png Aug 14 212 KB	
**	Screenshot_20170814-095208.png Aug 14 220 KB	
	Screenshot_20170809-152157.png Aug 9 206 KB	

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Page 9 of 13

SUBJECT:

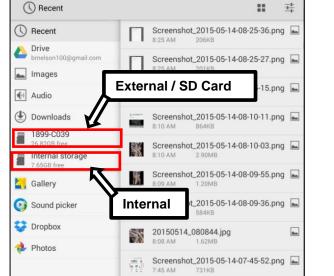
DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC18)

17. Access to Internal and External Memory (i.e., SD Card) is available on the left hand side of the file manager.

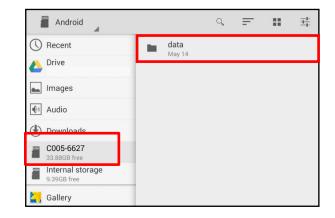
***** NOTICE

Always <u>select the SD Card</u> to save the images from this data collection procedure. DO NOT select internal storage.

18. With the <u>External/SD Card</u> selected, click **Android**.



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1899-C039 26.82GB free	Jun 5, 2014
Internal storage 7.66GB free	0.00B
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💠 Photos	



19. Click data.

Page 10) of 13									
SUBJEC	:т: D,				CT CALIFORI ECU (DC18)	NIA				
20.	Scroll down	and	then	click	data		٩	=	::	<u>+</u> + ++
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🛃 Gallery

Page 11 of 13

SUBJECT:

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

24. Click the vehicle model (e.g., Sorento (XMa)).

25. Click the VIN.

26. Click the screenshot.

27. Click Submit.

***** NOTICE

Ensure that you attach the correct files. Incorrect attachments render data submissions useless and are subject to chargeback of the warranty claim.

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Submit Cancel

se File

Page 12 of 13

SUBJECT:

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

AFFECTED PRODUCT RANGE:

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

2018MY DATA COLLECTION WARRANTY CLAIM INFORMATION:

***** NOTICE

Once sufficient data is collected, individual line items per model may be <u>closed</u> <u>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</u> <u>to chargeback.</u>

Campaign ID	Claim Type	Causal P/N	Qty.	N. Code	C. Code	Repair Description	Labor Op Code	Time	Replacement P/N	Qty.
DC18QL1	-	100CA EM999	- 0	0 N99	C99	Sportage 2.0T 50/FD	18QL20F1	0.3 M/H	N/A	0
DC18QL2						Sportage 2.4 CA	18QL24C1			
DC18QL3						Sportage 2.4 50/FD	18QL24F1			
DC18UB1						Rio 1.6 50/FD	18UB16F1			
DC18YP1						Sedona 3.3 50/FD	18YP33F1			
DC18UM1						Sorento 2.0T 50/FD	18UM20F1			
DC18UM2						Sorento 2.4 50/FD	18UM24F1			
DC18UM3	V					Sorento 3.3 50/FD	18UM33F1			
DC18KH1	-					K900 3.8 50/FD	18KH38F1			
DC18KH2						K900 5.0 50/FD	18KH50F1			
DC18JFH1						Optima HEV 2.0 50/FD	18JFH20F			
DC18JFP1						Optima PHEV 2.0 50/FD	18JFP20F			
DC18JF1						Optima 1.6T 50/FD	18JF16F1			
DC18JF2						Optima 2.0T 50/FD	18JF20F1			

TSB: ENG178 (Multiple Models) January 2018

									Page 13	3 of 13
SUBJECT:		DATA COLLECTION: EXTRACT CALIFORNIA EMISSIONS DATA FROM ECU (DC18)								
DC18JF3						Optima 2.4 CA	18JF24C1			
DC18JF4		100CA EM999	0	N99	C99	Optima 2.4 50/FD	18JF24F1	0.3 M/H	N/A	0
DC18YD1						Forte 2.0 CA	18YD20C1			
DC18YD2						Forte 2.0 50/FD	18YD20F1			
DC18YD3						Forte 1.6T 50/FD	18YD16F1			
DC18PS1						Soul 1.6 50/FD	18PS16F1			
DC18PS2	V					Soul 1.6T 50/FD	18PS16F2			
DC18PS3	V					Soul 2.0 CA	18PS20C1			
DC18PS4						Soul 2.0 50/FD	18PS20F1			
DC18YG1						Cadenza 3.3 50/FD	18YG33F1			
DC18DEH1						Niro HEV 1.6 CA	18DE16C1			
DC18DEP1						Niro PHEV 1.6 CA	18DP16C1			
DC18CK1						Stinger 2.0T 50/FD	18CK20F1			
DC18CK2						Stinger 3.3T 50/FD	18CK33F1			