	GROUP	NUMBER	
HYUNDAI NEW POSSIBILITIES.	CAMPAIGN	14-01-011	
Technical Service Bulletin	DATE	MODEL(S)	
Technical Service Bulletin	FEBRUARY, 2014	ALL 2014 MODELS	
SUBJECT: (CALIFORNIA DEALERS ON PERFORMANCE REPORT	LY) CARB IN-USE DATA COLLECTIC	MONITOR N (DC1)	
*** Dealer Stock and Reta	ail Vehicles ***	er an affected vehicle	
is in the shop for any maintenance or repair if the vehicle	e meets the criteria bel	ow.	
When a vehicle arrives at the Service Department, acce Vehicle Information" screen via WEBDCS to identify ope	ss Hyundai Motor Ame en Campaigns.	rica's "Warranty	
NOTES:			

Claim payment requires that data collection results must be faxed in as instructed.
 Perform this Campaign first prior to completion of any other open Campaigns.

**Description:** This bulletin provides information and procedures for collecting OBD In-Use Monitor Performance Report (IUMPR) data on certain 2014MY vehicles at California dealers. This reporting is mandated by CARB (California Air Resources Board).

## Affected vehicles must meet ALL of the following criteria to be eligible for DC1:

- WebDCS shows this as an open Data Collection code DC1 for the vehicle.
- Vehicle has over 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.
- Vehicle does not have a check engine light on.

#### Applicable Vehicles:

- 2014MY vehicles with an open DC1 data collection Campaign.

#### Warranty Information:

Model Year	Op Code	Operation	Op Time
2014	CCARB014	IUMPR Data Collection	0.3

NOTE: Submit Claim on Campaign Claim Entry Screen.

## **Overview of the Service Procedure:**

#### A. Basic Overview of the Procedure:

- 1. Fill out the **Vehicle Test Sheet** located on the next page of this bulletin with the vehicle information.
- 2. Use GDS to read the Calibration ID of the vehicle and enter it on the Vehicle Test Sheet.
- 3. Use GDS to read and screen print the **In Use Performance Report** data to attach as the

second page to the Vehicle Test Sheet.

- 4. Send the following 3 pages to Fax number 909-753-0373:
  - a. Completed Vehicle Test Sheet.
  - b. GDS Screen Printout of the In Use Performance Report data.
  - c. Single page copy of the main (front page) of the Dealer Repair Order.
- 5. Attach Items a-c listed above and the fax machine's send receipt (if available) to the Repair Order for claim record.

# \* NOTE

Please confirm the fax transmitted successfully. It is required to be sent to fax number 909-753-0373 for you to receive claim payment, as Hyundai must submit the data to CARB.

If you cannot reach the primary fax number provided above then send your fax to the secondary fax number 909-628-7682.

# B. Vehicle Test Sheet and GDS "In Use Performance Report" Data to be completed for each vehicle:

As found on the next 3 pages:

- Blank Vehicle Test Sheet to be completed for each qualifying vehicle.
- Examples of a completed Vehicle Test Sheet with the GDS Screen Printout of the In Use Performance Report data attached, as required per the included service procedure.

**\*** NOTE

Make multiple copies of this blank Vehicle Test Sheet page. You must complete this page and submit it by fax for each applicable vehicle along with a second page containing the "In Use Performance Reporting" data. Do not collect the Readiness Monitor Data, it is not needed.

#### OBD II In-Use Monitoring Performance Reporting

Vehicle Test Sheet 1) Write down vehicle MY/Model/Engine, Test Date, Mileage, and Test Group. - Test group name will be shown on the emission label under hood. 2) Read the Calibration ID by GDS: - Key On and Connect GDS - Go to the "ID Register" under Vehicle S/W Management on the Main Page. - Select "Engine" and click "OK". - Click "System Identification" and write down "Calibration ID" the Test Sheet. Test 3) Read the IUMPR data by GDS: Procedure - Return to main page and Click "CARB OBD II". - Click "In Use Performance Tracking". Maximize the data to appear full screen like below ex. - Print Screen and attach as next page of this test sheet. 4) ) Send following 3 pages to FAX No 909-753-0373 - This completed Vehicle Test Sheet. - GDS printout of the "In Use Performance Tracking" data screen.

- Main page (1-page only) of the Repair Order which contains VIN, miles, etc.

	١	/ehicle Information		In-Use Pe	rformanc	e Tracking	g Data	
1	Vehicle MY/Model/Eng		ATTACH AS	S NEXT PA	GE THE PI KING" SCI		N OF THI	E "IN USE BELOW:
2	Test Date - RO#		Classical State	Preparation UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0445 UPD/2010/5-2-0445 UPD/2010/5-2-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0445 UPD/2010/5-2-0-0455 UPD/2010/5-2-0-0455 UPD/2010/5-2-0-0455 UPD/2010/5-2-0-0455 UPD/2010/5-2-0455 UPD/2010/5-0455 UPD/20100000000000000000000000000000000000	Diagnosis N Trasforg	Vehicle SW Management	Repair	0
3	VIN		DTC Analysis Data Analysis Flight Record CARB OBD-11	Cardya Name     OND Munitaring Candidate     Gradya Monto Completis     Cardya Monto Condition	a Excessioner Courts on Courts-Eank1 is Encountient Courts-Bank1 on Courts-Eank2 & Encountiend Courts-Bank2	Myddar 82 85 83 83 83 83 83 83 83 83	Valar Vet 60 Court 198 Doen 83 Court 90 Court 9 Court 9 Court 0 Court	
4	Mileage	(Note: must be above 3000 miles)	20 Revolutions: Tutor 20 Claurer Data 20 Frenzer France Data 20 Pagesonati "Frankete Data 20 Microbiolog Test Plesuits 20 Feitri de Consensent Cont 20 Feitri de Consensent Cont 20 Feitri de Consensent Cont	Cryster Elesse Moeler C     Orygen Senser Monitor C     Orygen Senser Monitor C     Orygen Senser Monitor C     Orygen Senser Monitor C     EGP and/or VVT Monitor C     EGP and/or VVT Monitor C     An Monitor Completion Com     An Monitor Completion Com	Compart Autor Active Comparties Contract Counts Completions Conditions Counts Consistence Counts indexes Counts insurfaced Counts insurfaced Counts		R3 Count BD Caunt 0 Count 0 Count 0 Count 80 Count 8 Count 0 Count 0 Count	
5	Test group			EVAP Manto, Curabeere     EvaP Manto Constense     Secondary Diryon Sense     Secondary Diryon Sense     Secondary Diryon Sense     Decondary Diryon Sense     Decondary Diryon Sense	Gondman County Encountered Counts Monitor Completion Counts Ba Maritor Carditions Encountere Maritor Carditions Encountere • Monitor Carditions Encountere	63 63 64 ( 53 64 ( 53)	9 Count 18 Count 5 Count 80 Count 80 Count 6 Count 6 Count	
6	Calibration ID	3) - 15 - 15 - 15 - 15 - 15 - 15 - 15 - 1	al Care Anagree	67C Curvetheis Asturber Test	Paged Record DVCM	Generation Services Upd	net 0 10:0 to take 540	Toom )
7.	Technician Na	ime:	NOTE:	Correct	IUMPR	data sho	ould in	nclude
8.	Dealer Numbe	r.	numbers,	, not the	reading	ess stati	us.	

Example of a completed Vehicle Test Sheet with printout of the GDS "In Use Performance Report" data attached as page #2:

Example of Page 1 of fax to be sent:

в	D II In-Use	Monitoring Performance	Reporting Vehicle Test Sheet
i	Test Procedure	<ol> <li>Write down vehicle MY/Model/Eng - Test group name will be shown of 2) Read the Calibration ID by GDS: - Key On and Connect GDS - Go to the "ID Register" under Ve - Select "Engine" and click "OK". - Click "System Identification" and 3) Read the IUMPR data by GDS: - Return to main page and Click "C - Click "In Use Performance Tracki - Print Screen and attach as next p 4) ) Send following 3 pages to FAX N - This completed Vehicle Test She - GDS printout of the "In Use Perf - Main page (1-page only) of the F</li> </ol>	ne, Test Date, Mileage, and Test Group. <u>n the emission label under hood.</u> hicle S/W Management on the Main Page. <u>write down "Calibration ID" the Test Sheet.</u> ARB OBD II". ng". Maximize the data to appear full screen like below ex. <u>age of this test sheet.</u> <u>o 909-753-0373</u> et. prmance Tracking" data screen. tepair Order which contains VIN, miles, etc.
		Vehicle Information	In-Use Performance Tracking Data
1	Vehicle MY/Model/Er	2014 MY Santa Fe 3.3L	ATTACH AS NEXT PAGE THE PRINT SCREEN OF THE "IN US PERFORMANCE TRACKING" SCREEN PER EXAMPLE BELOW
2	Test Date - RO#	2/18/14 – RO# 123456	Preparadat     P
3	VIN	KM8SRDHF2EU038672	DVC Analysis Dirak Analysis Park Record CAN Decimal Control of Control Control Control of Control Park Record CAN Decimal Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Contr
4	Mileage	4450 (Note: must be above 3000 miles)	Bineman Inni Contra Con
5	Test group	EHYVV0331XE	Control Testing Control Contro Control Control Control Control Control Control Control Control Co
6	Calibration I	NCCN33GM2A6CL1F	A DECEMBER OF CONTRACT AND A DECEMBER OF CONTRAC
7.	<b>Technician</b>	Name: Joe Smith	NOTE: Correct IUMPR data should
8.	Dealer Num	ber: CA099 Sunny Hyundai	include numbers, not the readiness status

Example of Page 2 of Fax to be sent:

CUD	Preparation Diagnosis Vehicle	e S/W Management	Repair	C
Vehicle 🕨 SANTAFE()	NC)/2013/G 3.3 GDI System >	Engine/Engine Contro	bl	0
Diagnosis	In-USE Performance Tracking			
asic Inspection	Selective Display  Full List			
TC Analysis	Sensor Name	Module ID	Value Unit	
ata Analysis	OBD Monitoring Conditions Encountered Counts	E8	17 Count	
	Ignition Counter	EB	50 Count	
ight Record	Catalyst Monitor Completion Counts-Bank1	Eð	12 Count	
	Catalyst Monitor Completion Countered Counts-Dank I	EO	17 Count	
AKR ORD-II	Catalyst Monitor Completion Counts-Bank2	E9	12 Count	
eadiness Test	Oxygen Sensor Moleculations Encountered Counts-Bank2		13 Count	
urrent Data	Oxygen Sensor Mo for Condition accounts is jount is ak1	EB	17 Count	
anchi Data	Oxygen Sensor Mo or complety Counts enk		13 Count	
legentia Trauble Cada	Oxygen Sensor Mo or Condity S & our sred C inte Ba	8	17 Count	
agnosuc frouble code	EGR and/or VVT Monitor Completion Condition Counts	E8	18 Count	
onitoring Test Results	EGR and/or VVT Monitor Conditions Encountered Counts	E8	17 Count	
est or Component Cont	Air Monitor Completion Condition Counts	E8	0 Count	
shicle Information	Air Monitor Conditions Encountered Counts	E8	0 Count	
Use Performance Trad	EVAP Monitor Completion Condition Counts	E8	2 Count	
spark ignition	EVAP Monitor Conditions Encountered Counts	E8	9 Count	
compression ignition	Secondary Oxygen Sensor Monitor Completion Counts Bank1	E8	18 Count	
A Contract of the second second	Secondary Oxygen Sensor Monitor Conditions Encountered C	E8	17 Count	
	Secondary Oxygen Sensor Monitor Completion Counts Bank2	E8	18 Count	
	Secondary Oxygen Sensor Monitor Conditions Encountered C	EB	17 Count	
Case Analysis	TC Current Data Actuation Flight Record DVOM Oscillo	Simulation In	ternet	It Code

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# SUBJECT:

#### **Detailed Service Procedure:**

- 1. Document the following information on the Vehicle Test Sheet (See page 4 of this bulletin):
  - Model Year/ Vehicle Name/ Engine size
  - Test Date (date you collected this data)
  - RO Number (dealer repair order)
  - VIN
  - Mileage
- 2. Open the engine compartment and locate the **Underhood Emission Label**. Write down the **Group** number for later entry into the form.

B	HYUNDAI MOTOR COMPANY VEHICLE EMISSION CONTROL INFORMATION				
Conforms to regulations:		2013	MY		
U.S.EPA: 1	2B5 LDV	OBD: CA II	Fuel: Gasolin	е	
California:	ULEV II PC	OBD: CA II	Fuel: Gasolin	e	
Group: DHY	XV03.31VE	2HC	2S(2)/2WU-TV	VC/TWC	
Evap.: DHY	XR0135PDE	No adjustments needed.		- L02	
[WARNING]		32450-3CAB5			
Loaded I/M te must be condi Otherwise,a n	sting of permanent fo ucted on a four-wheel on-loaded test proced	ur-wheel drive or trac drive speed synchror lure must be perform	ction control-equippe nized dynamometer ed.	d,vehicles	

# \* NOTE

Make sure that you have conducted the latest internet update of your GDS software to be able to read IUMPR values correctly.

 Connect the GDS to the vehicle with the ignition ON (engine does not need to be running) and select ID Register under Vehicle S/W Management tab:



5.

# CARB IUMPR DATA COLLECTION (DC1)

4. Select Engine and OK.



 Locate the Calibration ID and enter on the Vehicle Test Sheet.

Select System Identification.

# **\*** NOTE

For some models it may not display exactly as shown above. It may for example state "**Sub Calibration Number**" rather than Calibration ID, just be sure to use the item that includes the term "Calibration".



# SUBJECT:

## CARB IUMPR DATA COLLECTION (DC1)

 Go back to the main page of the GDS by clicking the GDS logo at the top left of the screen. Select CARB OBDII under the Diagnosis tab.

SD)		User's Guide   Notice 🛈   (	Configuration   Search
Vehicle F SANTAFE(N	CV2013/G 3 3 GDI	System F Engine/Engine Co	ontrol
Preparation	Diagnosis	Vehicle S/W Management	Repair
Vehicle Info 🔍	Basic Inspection	ECU Upgrade	12 Parts Catalog
Hot Fix	DTC Analysis	ID Register	Replacement
+By DTC	Data Analysis	Option Treatment	II Component Info
•By Symptom	E Flight Record	Data Treatment	Circuit Diagram
•By Model	I Oscilloscope	Inspection / Test	
• Campaign	· CARB OBD-II	a ECU Mapping Verification	
Hyundai Tech SS 0	1		
hyundatechinta.com	County Data Actuation	DUCH Declarge smith	nerret Eccil Doctors
2 Cese malysis DTC	Test Fight Recon	Test t	Jpdste Searching

 Select In Use Performance Tracking. In the sub-menu select Spark Ignition for gasoline engines.

**Maximize** the data display on the screen as shown to verify all data is displayed.



# \* NOTE

**If all values indicate "Not Supported" or "0"**, check to make sure you have GDS software version 1.09 or later. If the software version is correct and the vehicle does not qualify for data collection, it may have had a recent ECM update or battery replacement.

### SUBJECT:

## CARB IUMPR DATA COLLECTION (DC1)

9. Print the GDS screen by selecting the **Camera Icon** in the upper right corner of the screen.



button.

Vehicle > SONATA H	BRID(YF HEV)/201	3/G 2.4 HEV System ► E	Engine/Engine Control	the second second second	0
Diagnosis	📒 In-USE Perform	nance Tracking			8 E
Basic Inspection	Selective Display :	Fuli List			
DTC Analysis	Sensor Name		Medida ID	Valy at	(mine
Data Analysis	OBD Monitorin	GUS Capture and Print	A CONTRACTOR	Count	
	Ignition Counte     Catalyst Monite	A STATE OF	Charles I.	142 Count 59 Count	
light Record	Catalyst Monit	Select Capture / Print Area		35 Count	
CARE OBD-II	Catalyst Monite	Entire GDS Area		0 Count	
Deadlence Text	Catalyst Monit	C Entire area of single-mode	10000	0 Count	
Readiness Test	Oxygen Senso	C Upper area of dual-mode	10000	35 Count	
Ereeze Frame Data	Oxygen Senso	C Bottom area of dual-mode		0 Count	
Diagnostic Trouble Code	Oxygen Senso	C Calest Dagias		0 Count	
Monitoring Test Results	EGR and/or V	* Select Region		66 Count	
Test or Component Cont	EGR and/or V	Include Vehicle Info.	and the second second	35 Count	
Vehicle Information	Air Monitor Cor			0 Count	
In Use Performance Trac	EVAP Monitor	Send to Flie Send to Ph	111	5 Count	
spark ignition	EVAP Monitor			15 Count	
compression Ignition	Secondary Oxy	Cancel	and the second	61 Count	
	Secondary Oxy	Cancer		35 Count	
	Secondary Oxy	Sensor Manifer Conditions Encountered C	60	0 Count	

10. Select Entire GDS Area and click Send to Print.



- 11. Send the following 3 pages to fax number 909-753-0373:
  - 1. Completed Vehicle Test Sheet.
  - 2. GDS Screen Printout of the In Use Performance Report data.
  - 3. Single page copy of the front page of the **Dealer Repair Order** which displays the VIN, miles, RO#, etc.
- 12. Attach the 3 pages of items 1-3 listed above and the fax machine's send receipt (if available) to the Repair Order for claim record.

# \* NOTE

Please confirm the fax transmitted successfully. It is required to be sent to primary fax number 909-753-0373 to receive claim payment. If you can't reach the primary fax number, send to backup fax number 909-628-7682.

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