

GROUP

CAMPAIGN

NUMBER

MODEL(S)

20-01-039H

Technical Service Bulletin

OCTOBER, 2020

Certain 2019-2021 Models

SUBJECT:

2019-2021MY CARB IUMPR DATA COLLECTION (DC1 CAMPAIGN) (CALIFORNIA DEALERS ONLY)

DATE

This bulletin revises TSB 19-01-042H to add 2021MY.

* IMPORTANT

*** Retail Vehicles ***

California Dealers only must perform this data collection on vehicles whenever an affected vehicle is in the shop for any maintenance or repair if the vehicle meets the below specified criteria.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description:

This bulletin provides information and procedures for collecting OBD "In Use Monitor Performance Ratio" (IUMPR) data on certain 2019-2021MY vehicles at California dealers. This reporting is mandated by CARB (California Air Resources Board).

Data is no longer submitted to Hyundai by datasheet and dealer email. Data is sent electronically by GDS when the procedure of this bulletin is followed.

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

- WebDCS shows this as an open campaign for Data Collection code DC1 for the vehicle.
- Vehicle has over 3000 miles on its odometer.
- Vehicle has not had an ECM Update on this service visit.
- Vehicle has not had its battery replaced/disconnected during this service visit.
- Vehicle does not have a check engine light on.

NOTE: This campaign procedure must be performed prior to completing any other open campaigns.

Applicable Vehicles: All 2019-2021MY vehicles with an open DC1 data collection Campaign.

Warranty Information:

Model Year	Op Code	Operation	OpTime	Causal Part	Nature	Cause
2019	CCARB019	IUMPR Data Collection	0.4	NTF00 00000	174	ZZ4
2020	CCARB020	IUMPR Data Collection	0.4	NTF00 00000	174	ZZ4
2021	CCARB021	IUMPR Data Collection	0.4	NTF00 00000	174	ZZ4

NOTE: Submit Claim on Campaign Claim Entry Screen.

Circulate To: Service Manager, Warranty Manager, Service Advisors, Technicians

Service Procedure:

A. Collection of IUMPR Data:

- 1. Connect GDS Mobile to the vehicle with the ignition ON (engine does not need to be running).
 - a. GDS Mobile should have Auto VIN at initial VCI communication with the vehicle. Confirm that correct vehicle appears at top of the screen.

b. Select the **IUMPR** function from the **More** section after pulling it up from the bottom of the screen.



2019-2021MY CARB IUMPR DATA COLLECTION (DC1)

2. Select DC1 IUMPR Start.

* NOTE

Make sure GDS is connected to the internet. It must be able to confirm the vehicle has an open DC1 campaign.

The following **DC1 IUMPR Data Collection** screen should open in the event the vehicle has an open DC1 campaign.

***** NOTE

You may receive an error screen if internet is not connected, vehicle doesn't have an open DC1 campaign, or if any of the other conditions specified on page-1 does not apply.

3. a) Enter the applicable information accurately into each field.

* NOTE

Test Group is found on the engine underhood emissions label.

b) Then select DC1 IUMPR Data Collection Start.

ft .	HOME Online SANTAFE SPOR/2018/G 2.0 T-G	VCI 🚌 🔸	0	56
	DC1 IUMPR Data Collection			₽
• IU	MPR WORK FLOW MENU			
•	Select DC1 IUMPR button to begin the Data Collection process.	DC1 IUMPR Start	J	
	Select Status Check button to review the status of previously	Status Check		

	DC1 IUMPR Data Collection	
ter information belo	ow.	
Dealer Code :	CA503	
Mileage :		
Technician Name :		
rechincian Name .		
Repair Order Number :		
Test Group :		

m	考 宗 😤 67% 🏛	10:11 AM
HOME Online	TUCSON(TL)/2018/G 1.6 T-G	33
	DC1 IUMPR Data Collection	₽
Enter information below	<i>I</i> .	
Dealer Code :	CA503	
Mileage :	15130	
Technician Name :	JOETECH	
 Repair Order Number : 	123456	
Test Group :		
(Refer to label under hood)	JHYXV02 . 01E5	
	Previous DC1 IUMPR Data Collection Start	



SUBJECT:

2019-2021MY CARB IUMPR DATA COLLECTION (DC1)

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

HOME Online	TUCSON(TL)	/2018/G 1.6 T-G ≫	vci 🙃 😽 🚦
	DC1 IUMPR	Data Collection	
DC1 IUMPR Data C	ollection Result		
• Date :	06/22/2018	• Time :	10:13:05 AM
Dealer Code :	CA503	Model Year :	2018
Vehicle Model :	TUCSON(TL)	• Engine :	G 1.6 T-GDI
ECU CAL ID (ROM ID) :	AD8UP2AS673B	• TCU CAL ID (ROM ID) :	TAD0N20NS3
• VIN :	KM8J33A2XJU609924	• DTC Set in ECM :	NO
Thechnician Name :	JOETECH	• Mileage :	15130
RO Number :	123456	• Test Group :	JHYXV02.01E5

Confirm the co	prrect VIN was
successfully c	aptured by the initial
GDS Auto VIN	l.

***** NOTE

Sensor Name(21)	Module ID	Value	Unit
OBD Monitoring Conditions Encountered Counts	E8	347	Count
Ignition Counter	E8	752	Count
Catalyst Monitor Completion Counts-Bank1	E8	276	Count
Catalyst Monitor Conditions Encountered Counts-Bank1	E8	347	Count
Catalyst Monitor Completion Counts-Bank2	E8	0	Count
Catalyst Monitor Conditions Encountered Counts-Bank2	E8	0	Count
Oxygen Sensor Monitor Completion Counts Bank1	E8	285	Count
Oxygen Sensor Monitor Conditions Encountered Counts Bank1	E8	347	Count
Oxygen Sensor Monitor Completion Counts Bank2	E8	0	Count
Oxygen Sensor Monitor Conditions Encountered Counts Bank2	E8	0	Count
EGR and/or VVT Monitor Completion Condition Counts	E8	585	Count
EGR and/or VVT Monitor Conditions Encountered Counts	E8	347	Count
Air Monitor Completion Condition Counts	E8	0	Count

5. Scroll the screen down to the second page until the **Send** button appears.

Select **Send** to transmit collected data to Hyundai's server.

*	Ν	0	Г	E	

Valid data should not contain "0" for values at most parameters.

ir Monitor Comple	tion Condition Counts		E8	0	Count	
M				* 🗟 🖥 60	5% 🖬 10:13 A	
HOME Onlin	e TUCSON(TL))/2018/G 1.6 T-G		VCI 🙃	🖲 [3	
	DC1 IUMPR	Data Collectio	n		÷	
DC1 IUMPR Dat	a Collection Result					
• Date :	06/22/2018	• Time :		10:13:05 AM	I	
Dealer Code :	CA503	Model Year :		2018		
Vehicle Model :	TUCSON(TL)	• Engine :		G 1.6 T-GDI		
ECU CAL ID (ROM ID):	AD8UP2AS673B	• TCU CAL ID (ROM ID) :		TAD0N20NS3		
• VIN :	KM8J33A2XJU609924	• DTC Set in ECM :		NO		
 Thechnician Name : 	JOETECH	• Mileage :		15130		
RO Number :	123456	• Test Group :		JHYXV02.01E5		
	Sensor Name(21)	Mod	ule ID	Value	Unit	
GR and/or VVT Mo	onitor Conditions Encountered Counts	3	E8	347	Count	
ir Monitor Comple	tion Condition Counts	I	E8	0	Count	
ir Monitor Conditio	ons Encountered Counts	1	E8	0	Count	
VAP Monitor Com	pletion Condition Counts	I	E8 71		Count	
VAP Monitor Cond	litions Encountered Counts		E8 118		Count	
econdary Oxygen	Sensor Monitor Completion Counts B	ank1 I	E8	470	Count	
econdary Oxygen Jank1	Sensor Monitor Conditions Encounter	red Counts	E8 347		Count	
Secondary Oxygen	Sensor Monitor Completion Counts B	ank2 I	E8 0		Count	
Secondary Oxygen Bank2	Sensor Monitor Conditions Encounter	red Counts	8	0	Count	
Distance Traveled S	Since Evap Monitoring Decision		8	22	km	
	Previous		Se	end		

SUBJECT:

2019-2021MY CARB IUMPR DATA COLLECTION (DC1)

6. This screen will confirm GDS has successfully electronically transmitted the vehicle's IUMPR data to Hyundai's server.

This data will be consolidated later to submitted claims to automatically approve claims payment.

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

***** NOTE

Submission of a printout by dealer email is no longer required for claim payment. The data should be transmitted electronically by GDS. However, your printout will serve as claim evidence in the event the GDS fails to send it electronically.

- In the event of an unsuccessful transmission of data, the following error screen may occur:
 - a) Refer to **Section-B** on page-6 to confirm if status shows **pending** meaning that the data has been captured by GDS and will automatically send when internet is later restored.
 - b) Should Section-B not show a status of pending or sent out succesfully for the applicable VIN, then the above collection procedure steps 1-6 will need to be repeated.

F M			*	🕈 66% 🖬 10:13 AM
HOME Online	TUCSON(TL)/20	018/G 1.6 T-G	VCI 💭	8 8
	DC1 IUMPR Da	ata Collection		₽
DC1 IUMPR Data	Collection Result			
• Date :	06/22/2018	• Time :	10:13:05	AM
• Dealer Code :	CA503	Model Year :	2018	
• Vehicle Model :	TUCSON(TL)	• Engine :	G 1.6 T-0	DI
ECU CAL ID (ROM ID) :	AD8UP2AS673B	• TCU CAL ID (ROM ID) :	TAD0N20	NS3
Notice				
Do you war	nt to print as well?	Can	cel	
				L'OUDT
EVAP Monitor Condi	tions Encountered Counts	E8	118	Count
Secondary Oxygen S	ensor Monitor Completion Counts Bank	1 E8	470	Count
Secondary Oxygen S Bank1	ensor Monitor Conditions Encountered	Counts E8	347	Count
Secondary Oxygen S	ensor Monitor Completion Counts Bank	2 E8	0	Count
Secondary Oxygen S Bank2	ensor Monitor Conditions Encountered	Counts E8	0	Count
Distance Traveled Si	nce Evap Monitoring Decision	E8	22	km
	Previous		Send	

Notice	
Data transmission has failed. Please check your internet connection.	
[Notice]	
App will attempt to upload test results automatically once internet connection is available.	
ОК	

B. <u>Checking IUMPR Data Transmission Status:</u>

1. Select Status Check from the DC1 IUMPR Data Collection screen.



- 2 The **Data Transmission Status Check** screen will display the following:
 - **SENT** indicates IUMPR data has been sent succesfully to Hyundai's server.
 - **Pending** indicates IUMPR data was collected and saved in GDS, but remains to be sent automatically to the Hyundai server once an internet connection is later established.

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.

This list by default will contain the most recent data collected by the particular GDS being used.

A particular **VIN** or Repair Order number (**RO No.**) or **Date** range can be entered at the top search section to find past collected data sent from the particular tablet.

3. To display past collected data, select any case on the list to view it. The data will look like that shown on Section-A Steps 4-5.

Scroll the screen down to the 2nd page of the data to **Print**.

4. Procedure Complete.

ata Transmis	sion Status Che	:k						
VIN:				• R	D No :			
	• DATE :	2018	06	01	~ 2018	06	22	
RO	Da	te		v	N		Model	Sent
17LFPHEV	06/01/2018	01:47:25 PM	51	NMZU4LA	0JH077167		AN13	SENT
NHQEVN	06/05/2018	08:15:19 AM	58	IMZU4LA	0JH077167		LF23	SENT
NHQFVN	06/05/2018	08:17:26 AM	58	MZU4LA	0.JH077167		LF23	SENT
NHFVN	06/05/2018	08:20:14 AM	51	MZU4LA	0.JH077167		LF23	SENT
MY15AN	06/15/2018	01:11:56 PM	58	MZU4LA	0JH077167		AN13	SENT
MY15AN	06/15/2018	01:29:32 PM	58	MZU4LA	0JH077167		AN13	SENT
123456	06/22/2018	10:13:05 AM	к	M8J33A2	CJU609924		TL13	SENT
MY15AN	06/15/2018	01:46:15 PM	A 5NI	MZU4LA	0JH07716	7	AN13	Pending
	•••••		••••					