	GROUP	MODEL
	ELE	**2025-2026MY** **EV6 (CVa, CV1)**
	NUMBER	DATE
	447	**October 2026**

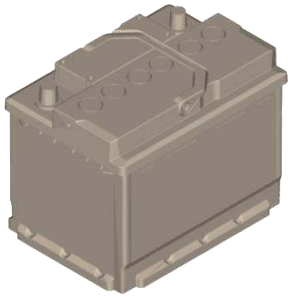
TECHNICAL SERVICE BULLETIN

SUBJECT:

12-VOLT BATTERY REPLACEMENT FOR DTC P1AFF00

This bulletin provides information related to the previously published Technical Service Bulletin PI2606, titled "12-Volt Battery Operation Diagnostics Improvement." If DYesTC P1AFF00 is present or stored after completion of the PI2606 software update, follow the procedure in this publication to verify the DTC, perform 12-volt battery diagnosis, and replace the 12-volt battery. Before beginning the procedure, confirm that the vehicle has received the PI2606 software update and is included in the affected vehicle population.

DTC P1AFF00: 12V Battery Monitoring Software



NOTICE

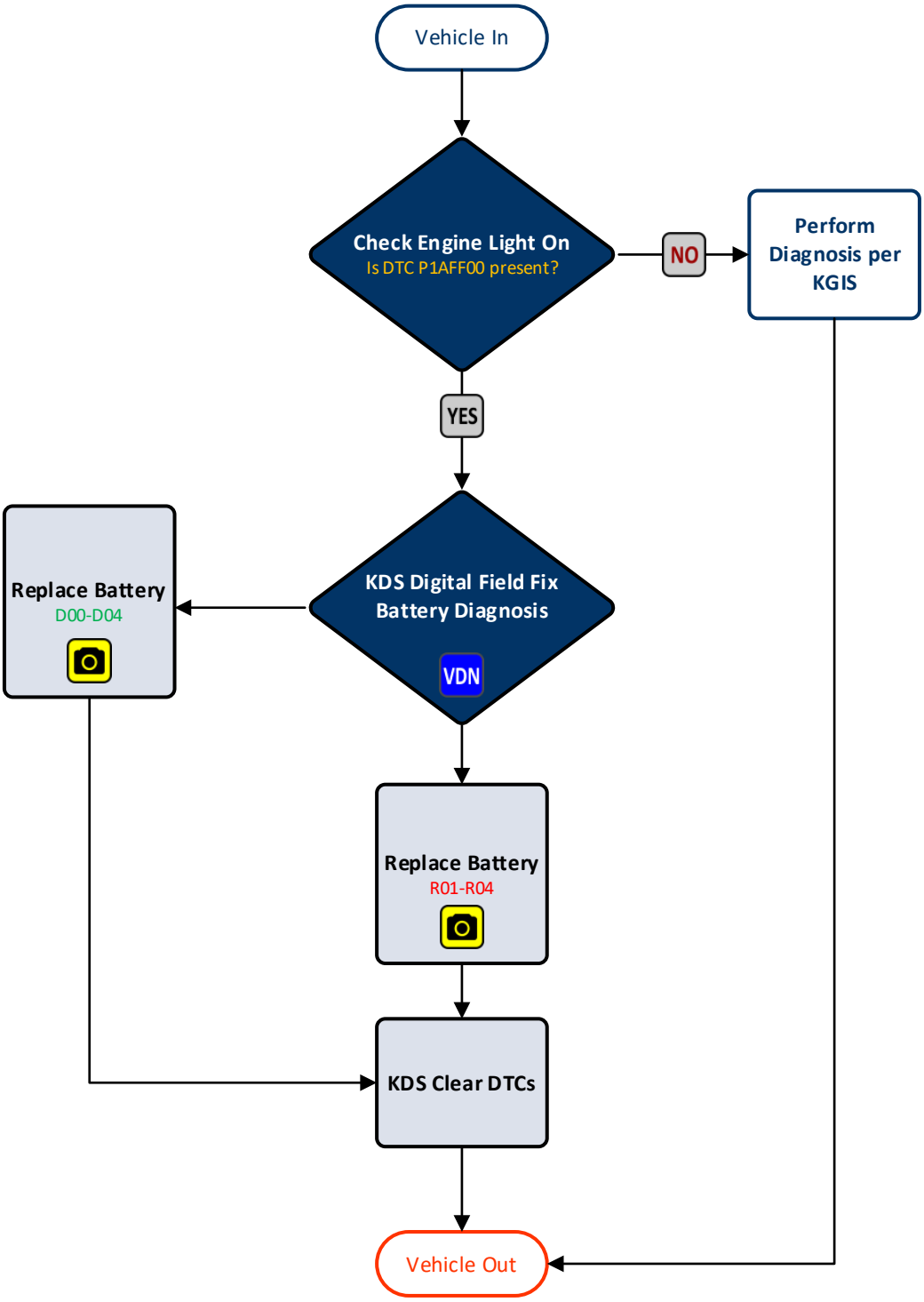
A Technical Service Bulletin is a Field Fix repair program without customer notification that may be performed and claimed during the eligible warranty period. For customers requesting repair and possible goodwill for a vehicle outside of the warranty period, the dealership must follow the process and procedure outlined in Section 7 (9 & 13) of the Kia Service Policy manual.

A printed copy is for reference only, as publication information may be updated at any time. Always refer to KGIS for the most current information.
After logging in to kdealer.com, navigate to Service → Resources to access the latest technical publications and recently released service information.

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SUBJECT: 12-VOLT BATTERY REPLACEMENT FOR DTC P1AFF00

Flowchart:



Note: A Vehicle Diagnosis Number (VDN) must be created for DTC P1AFF00 prior to battery replacement. If a VDN is not created, Parts Ordering and Warranty claim submission issues WILL occur.

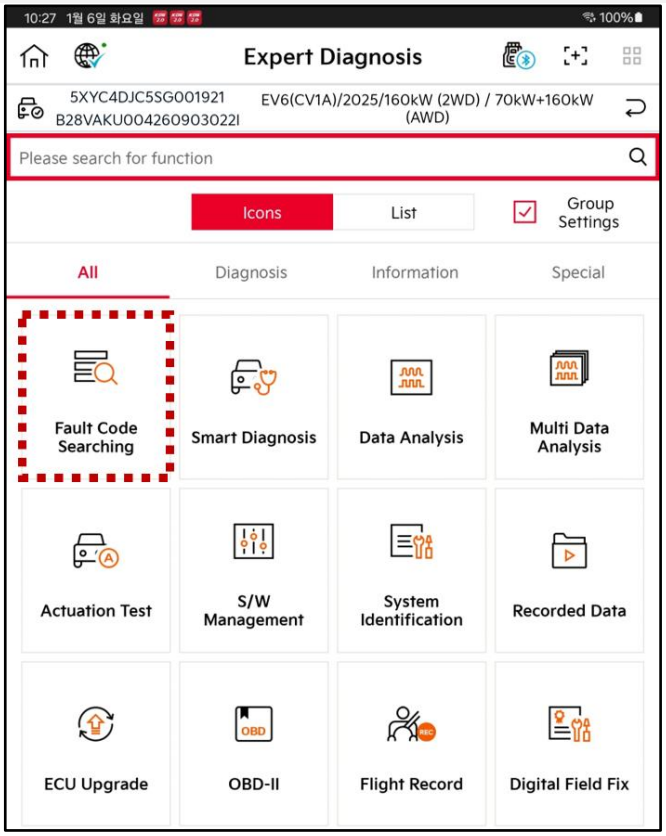
A KVID photo of the Battery Diagnosis results MUST be attached to the claim using KDS Tablet Warranty Claim Attachment Tab 'XX - Other' for LOPs 37110F07 and 37110F08.

Printed document copy is for reference only; information may be updated at any time. Always refer to KGIS for the latest information.

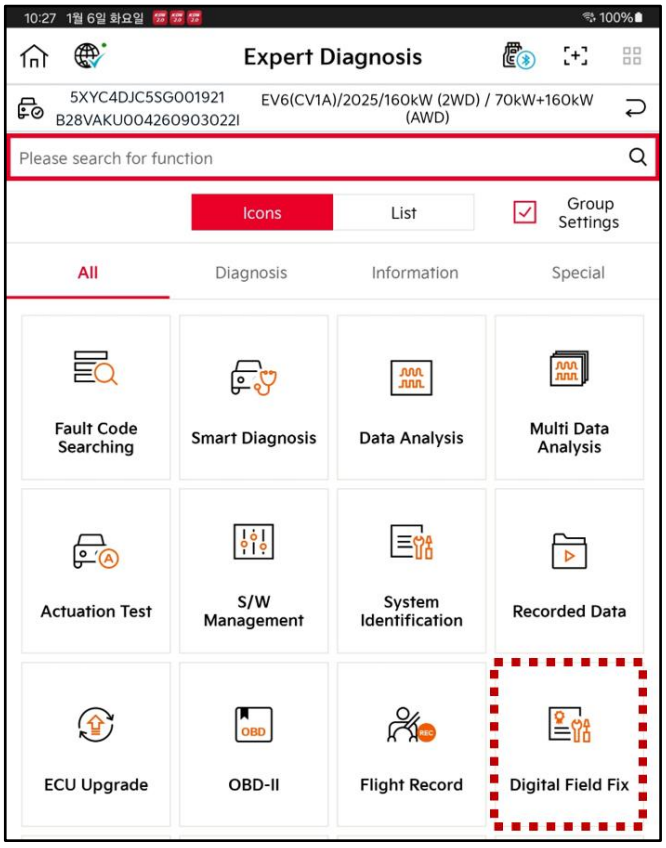
SUBJECT: 12-VOLT BATTERY REPLACEMENT FOR DTC P1AFF00

Inspection Procedure:

1. Using the KDS **'Fault Code Searching'** function, verify whether DTC **P1AFF00** is present.



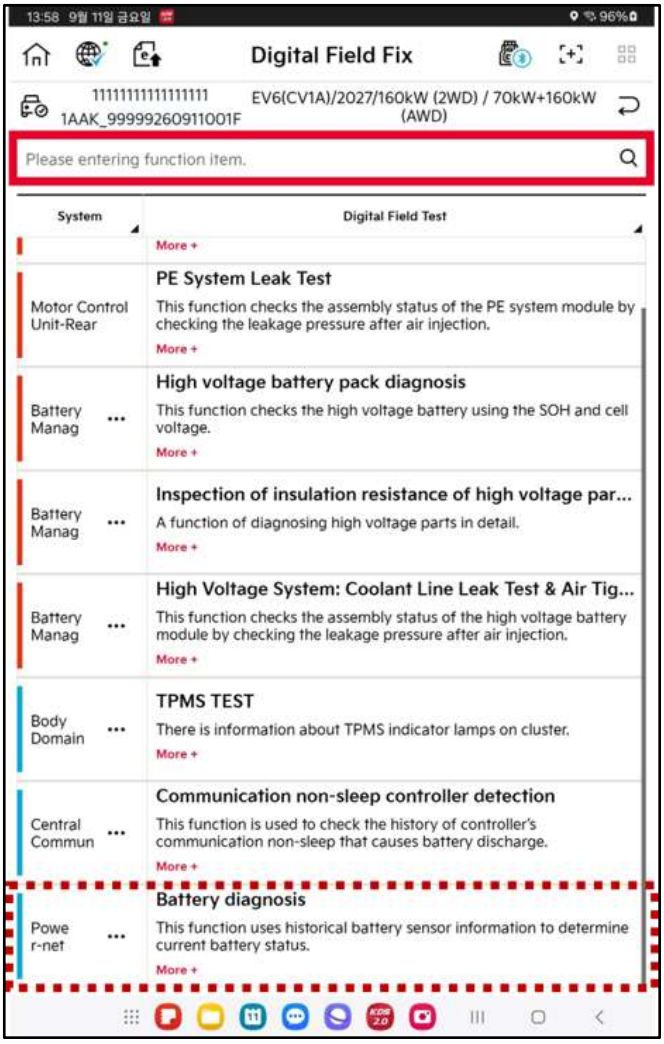
2.
   - If DTC **P1AFF00** is **NOT** present, perform diagnosis according to the applicable KGIS Shop Manual procedure.
   - If DTC **P1AFF00** is present, select **'Digital Field Fix'** and perform the Battery Diagnosis procedure.



NOTICE

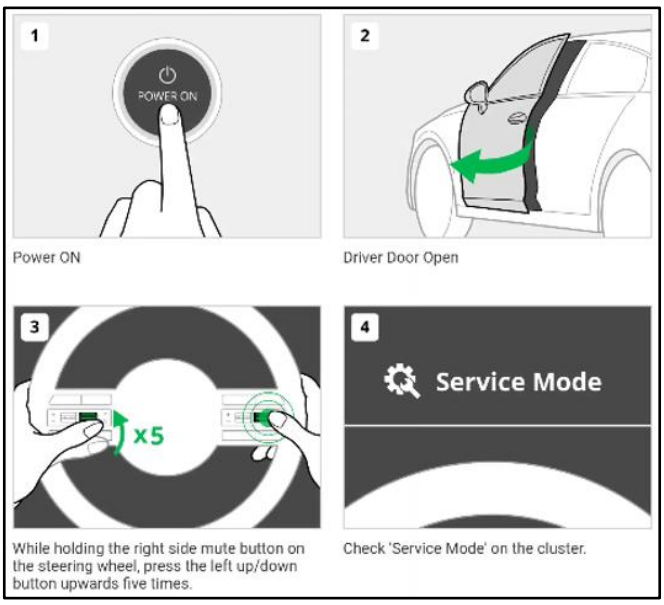
If DTC P1AFF00 is present, do not replace any components other than the 12V battery. Replacement of the ICCU, PE system components, or any other parts is not required for this condition.

3. In KDS scroll down and select **'Integrated Central Control Unit (ICU)'** or **'Power-net Domain Control (PDC)'** under the **'System'** selection, then select the **'Battery Diagnosis'**.



4. **IMPORTANT**

Before performing Battery Diagnosis, enter Service Mode.

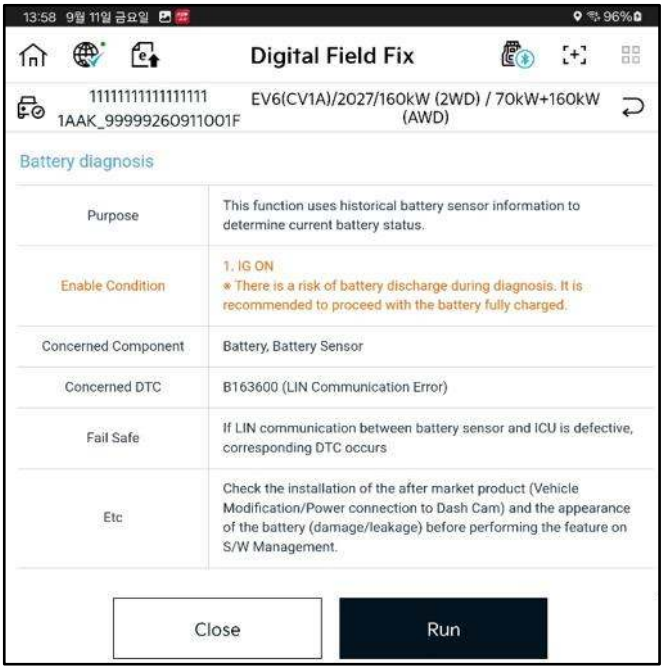


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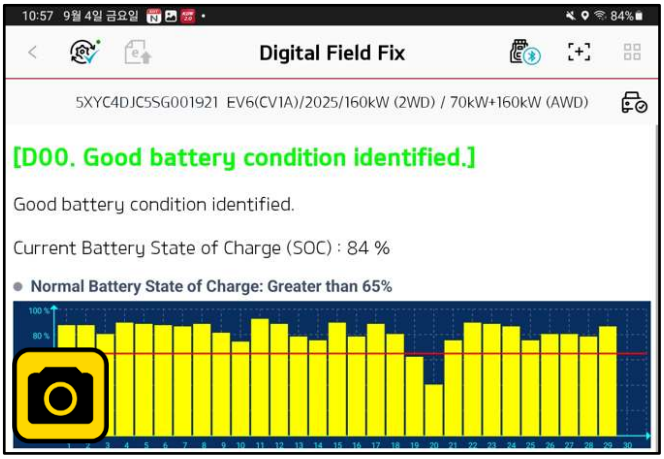
SUBJECT: 12-VOLT BATTERY REPLACEMENT FOR DTC P1AFF00

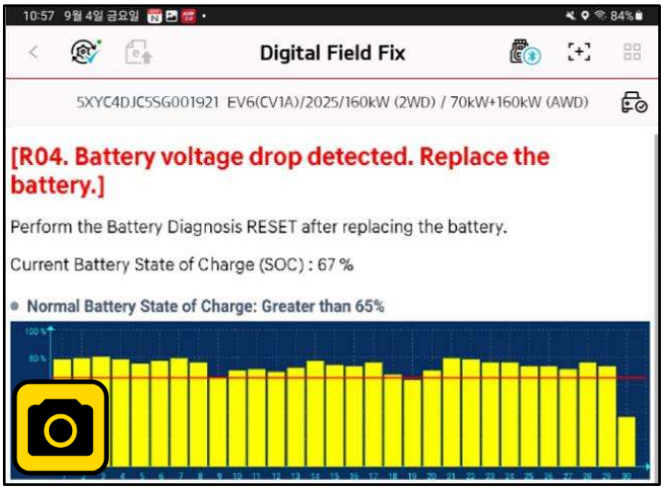
5. Follow the instructions on the KDS and select **'Run'** to continue.



6. A screenshot of the KDS Battery Diagnosis results **MUST** be submitted with the warranty claim. Please refer to TSB SST073 if needed.

   If records reveal that any portion of the claim or the entire claim cannot be substantiated or is not in compliance with KUS policies or procedures, the claim is subject to chargeback.





NOTICE

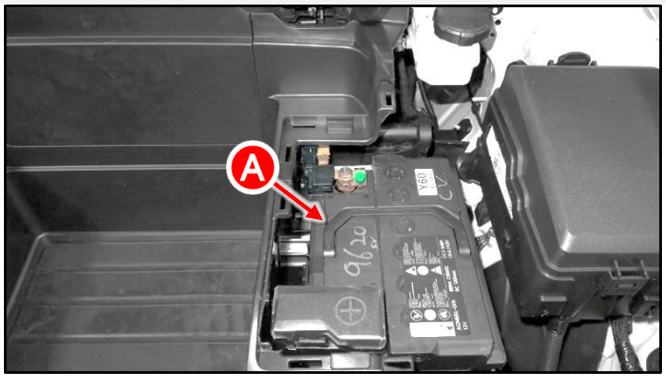
A screenshot of the KDS Battery Diagnosis results MUST be submitted with the warranty claim. If records reveal that any portion of the claim or the entire claim cannot be substantiated or is not in compliance with KUS policies or procedures, the claim is subject to chargeback.

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SUBJECT: 12-VOLT BATTERY REPLACEMENT FOR DTC P1AFF00

Repair Procedure:

1. Replace the battery (A) by referring to "Battery Control System (Standard) (EV Battery System) → Electric Power Conversion System → Battery (12 V) → Removal and Installation - 2WD" in the applicable Shop Manual on KGIS.



2. Clear DTCs using KDS and check for proper operation.

AFFECTED VEHICLE RANGE:

Model	Production Date Range
EV6 (CVa)	December 17, 2024 to November 5, 2025
EV6 (CV1)	February 12, 2025 to April 11, 2025

REQUIRED TOOL:

Tool Name	Part Number	Figure	Location	Comments
Kia Diagnostic System (KDS)	N/A		SHOP	KDS + VCI
VCI-II Connector	N/A			Connect Directly to KDS Using Included Ethernet Cable

REQUIRED PART:

Part Name	Part Number	Figure	Qty.	Comments
Battery	37110 H5A00E*		1	N/A

***Replacement part numbers are subject to change. Always refer to the latest battery application guide to confirm correct battery application and part number information before submitting a claim.**

SUBJECT: 12-VOLT BATTERY REPLACEMENT FOR DTC P1AFF00

WARRANTY INFORMATION (**ORIGINAL BATTERY REPLACEMENT**):

N Code: W11 C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	37110 XA660	0	Battery Replacement (Abnormal: R01-R04)	37110F07	0.5 M/H	37110 H5A00E	1
			Battery Replacement (Normal: D00-D04)	37110F08			

Note: A screenshot of the KDS Battery Test result must be MUST be submitted with the warranty claim. Attach the screenshot to the claim using Warranty Claim Attachment Type 'BA: Battery/ALT/STR'. If the attachment is not submitted, claims will be subject to review and chargeback.

WARRANTY INFORMATION (**SUBSEQUENT BATTERY REPLACEMENT**):

N Code: W11 C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
S	37110 H5A00E	1	Battery Replacement (Abnormal: R01-R04)	37110F07	0.5 M/H	N/A	0
			Battery Replacement (Normal: D00-D04)	37110F08			

For Substitute Transportation policy, please refer to Service Policy and Procedures Manual (SPPM) 6.11 "Kia Substitute Transportation".

Note: A screenshot of the KDS Battery Test result must be MUST be submitted with the warranty claim. Attach the screenshot to the claim using Warranty Claim Attachment Type 'BA: Battery/ALT/STR'. If the attachment is not submitted, claims will be subject to review and chargeback.

TSB References:

TSB SST073 KDS Battery Diagnosis Feature

Warranty References:

WCPM Section 2.8 Battery Claim Submission Procedures
Warranty Bulletin 2026-34 - 12V Battery Coverage, Replacement, and Claim Submission Guidelines
Warranty Bulletin 2020-08 Replacement 12V Battery Warranty Coverage Update
Warranty Bulletin 2022-30 KDS Battery (12V) Diagnosis Function and Claim Submission