



Diagnostic Report

Модель RAV4EV

Mileage: 070729 km

Дата: 17.02.2021

Equipment used:

Software Toyota Techstream V.13.20.17

Software Tesla Powertrain Service Diagnostics RAV4 V1.1.42

Other: r-VIMPro remote diagnostic device

Information from the owner

Check EV System message, Sport mode not available

Vehicle information

Vehicle Identification Number Search
 Enter a 17 Digit VIN below to search for applicable information:
 VIN:

Vehicle Information

Division: TOYOTA	Model: RAV4 EV	Grade: <NONE>	Model Year: 2012
Drive Type: 2WD	Body Type: 5Dr. Wagon	Engine Family: Electric - QM	Engine No: QM 5070096
Date of First Use: 12/30/2012	Production Date: 11/12/2012	Plant Code: W - WOODSTOCK - TMMCW	Transmission: T/A

VIN: 2T3-YL4DV-0CW00 Dest: USA [Fluids](#) [Flat Rate Manual](#) [Standard Equipment \[+\]](#)

Exterior Color: 0070, BLIZZARD PEARL **Interior Color:** FA10, ASH
Interior Trim Color: FA, FABRIC **Interior Fabric:** *, *

Accessories:
C1: Cargo Mat **C4:** Carpeted Floor Mats **CF:** Carpet Floor Mats/Cargo Mat **FE:** 50 State Emissions **PC:** Special Color

Vehicle Condition Check Results

2012 Rav4 EV EV Campaign Status: ?
 070729 km
 2T3YL4DV0CW001138

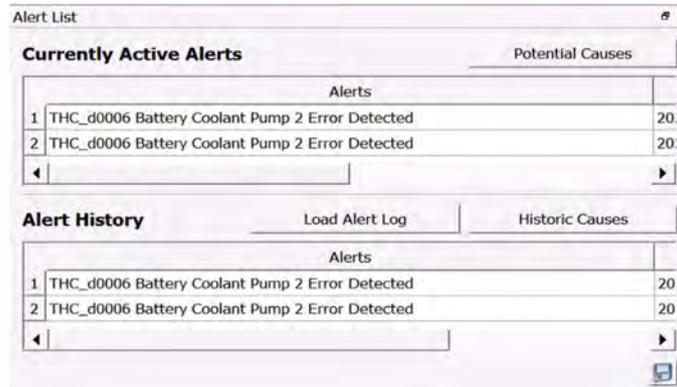
Health Check Results
 - Health Check does not display live data.
 - Changes in vehicle condition will not update automatically.
 - To update Health Check, click the Refresh button on the bottom of the Health Check screen.

Enhanced |

System	Monitor Status	DTC	DTC Related Information				RoB	Calibration	Update
			Curr Conf	Pend	Hist	Test Failed			
EV	-	P312F	X		X		896B34201300		
							896B54201100		
							F152642131		
ABS/VSC/TRAC	-	C1241	X						
		C1310	X						
		C1464	X						
		C1465	X						
Navigation System	-	B1579			X				
		B1585			X				
		B15C1			X				
		B15C2			X				
		B15FE			X				
Cruise Control	-	-							
Electric Propulsion Control System	-						1.3.101		
EMPS	-								
Transmission Control	-								
Air Conditioner	-								
							838000R15002		
							838000R15001		
							838000R15001		

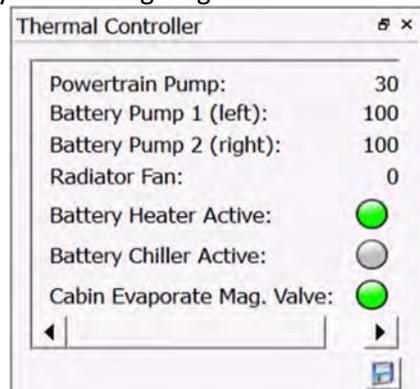
Tesla Electric Electric Propulsion Control System Diagnostic Results

In this system, the THC_d0006 code was read, which means a malfunction of one of the cooling pumps of the HV battery



Possible reasons:

The most common cause of this code is an immediate malfunction of the pump itself. But in this case, the subsequent active test of the cooling system during diagnostics showed its serviceability.



Additional checks

When checking Toyota systems by Techstream, it was found in the list of saved data (Freeze Frame Data) that the message "Check EV System" was accompanied by an unacceptably low voltage of the vehicle's 12V Power (screenshot)

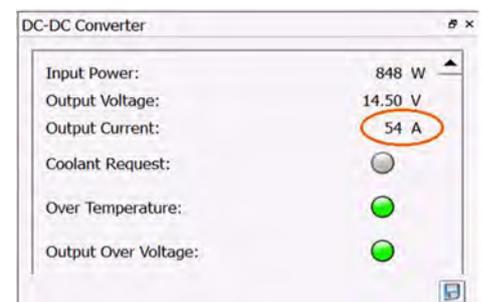
IG1 Voltage Value	7,21	V
IG2 Voltage Value	7,13	V

Findings

The malfunction is caused by the low condition of the 12V battery.

Recommendations

1. Checking the actual current consumption from the 12V battery using the "current clamp".
2. Checking the status of the 12V battery.
3. Test trips as usual.
4. Based on the results of clauses 1.2, it may be necessary to replace the battery.



Additionally: 12V battery Current w/ Ready

