	T-TT-0426-16	November 14, 2016
2012 - 2014 RAV4 EV - Comn Gateway ECU	nunication Problems -	Market USA
^{Service Category} Engine/Hybrid System	section Hybrid/Battery Control Syste	em
Applicability 2012 - 2014 RAV4 EV		
Applicable Vehicles 2012-2014	RAV4 EV	
2012 2014		
CONDITION		
Some technicians have experienced commu program and Gateway ECU when attempting		
Utilize the troubleshooting steps provided in between the Techstream TESLA software pr	the recommendations section to establish or operation of the following	communication issues:
 No VIN or No green light displayed Failure of component firmware updat 	e	
RECOMMENDATIONS		
Case 1: No VIN or green light displayed in th	e Techstream TESLA software program	
Please perform these steps BEFORE replac		
1. Ensure that the vehicle is in the "ON 2. Confirm TESLA software is current	I state and/or cycle the vehicle ignition "O	N"
3. Reboot Techstream		
 Try different serial data cable Try different Techstream unit 		
 Unplug the Gateway ECU for 20 mi Please create a TAS case and cont 	nutes & then reconnect act Technical Assistance (TAS) to submit (latal
	he condition described in this document pri	
diagnosis and submit the requested	S on a weekend or TMS holiday, continue w I information on the next available work day cian notes for possible review with TMS TA	/.
Expires on 11/14/2017 © 2016 Ver. 2.7 01/01/2016 T	S, Toyota Motor Sales, USA	Page 1 of 3

ΤΟΥΟΤΑ	ech Tip T-TT-0426-16		November 14, 2016
Subject 2012 - 2014 RAV4 EV - (Gateway ECU Applicability	Communication F	Problems -	Market USA
RECOMMENDATIONS			
Case 2: Failure of component firmwa	are update		
	Firmware update sta	itus	
Firmware Download to Vehicle Make sure the charger is NOT connected!	_	ownload to Vehicle e the charger is NOT connected!	₽×
Powering up the drive inverter Successfully powered up Drive Inverter Transferring Firmware to Gateway Sending Write finished Transferring boot image to Gateway	Powering Successf Transfer Sending. Write fini	up the drive inverter ully powered up Drive Inverter ing Firmware to Gateway 	
	3%.	ng bootinage to Gateway	77%
Identifying the percentage (%) comp area. Use the following table for prol If the failure occurs between 10% - 2 Problem Area	blem diagnostic items to at	tempt before replacing t	the gateway ECU.
Techstream Network connection	 Ensure that the Te Confirm network IF 	chstream is connected t P/Port settings	to the network
Problem Area	Diagnostic item		
Techstream serial data cable	Try a different serial ca	ıble	
f the failure occurs after 40% compl			
Problem Area SD Card	Diagnostic item Please create a TAS case and contact Technical Assistance (TAS) to submit details on any vehicle identified matching the condition described in this document prior to repair.		
	If you are attempting to contact TAS on a weekend or TMS holiday, continue with diagnosis and submit the requested information on the next available work day. Retain all replaced parts and technician notes for possible review with TMS TAS Product Engineer.		
LINK REFERENCES This Tech Tip does not contain any link			
Expires on 11/14/2017	© 2016, Toyota Motor S	ales, USA	Page 2 of 3

Ver. 2.7 01/01/2016 T

ΤΟΥΟΤΑ	Tech Tip	T-TT-0426-16	November 14, 2016
Subject 2012 - 2014 RAV4 Gateway ECU Applicability	4 EV - Commu	unication Problems -	Market USA
Арлісавшу			