

Subject

RAV4 EV EVSE Incompatibility - "Check EV System" Message

Market

USA

Service Category

Engine/Hybrid System

Section

Outline-Engine/Hybrid System

Applicability

2012 RAV4 EV

APPLICABLE VEHICLES

2012

RAV4 EV

CONDITION

Some customers may complain of a 'Check EV System' message illuminating after attempting to charge their vehicle at a public charging station.

Toyota is investigating this issue but suspects that some charging stations may not be compatible with the RAV4 EV.



RECOMMENDATIONS

Leviton Mfg. is the Toyota-approved supplier for Electric Vehicle Supply Equipment (EVSE), that is, EV charging stations. Leviton's Level 2 (240V) 40A, 30A and 16A Toyota Program models and EVR-green series have been extensively tested and approved for use with the Toyota RAV4 EV and Prius Plug-in Hybrid Vehicle.

While there are numerous EVSEs offered in the market, only the Leviton models specified above have been approved.

However, the following Level 2 charging stations* have completed a basic level of confirmation with the Toyota RAV4 EV and should function properly:

Manufacturer	Models
AeroVironment	Level 2 EVSE-RS
Blink / ECOtality	Level 2 Charge Station
Charge Point / Coulomb Technologies	CT2000 Series
Clipper Creek	CS Series
Eaton	Pow-R-Station (Commercial), EV Charging Station (Residential)
Schneider Electric	EVlink Indoor Charging Station (EV2430WS)

*This list is subject to change

Toyota will continue to conduct basic testing on other manufacturers' Level 2 charging stations to identify those charging stations that are compatible with the RAV4 EV.

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RECOMMENDATIONS

If you determine that the 'Check EV System' message may be displayed because the vehicle driver used an incompatible charging station, the message can be cleared using the following procedure:

(Note: The 'Check EV System' message can be displayed for various reasons – check for other causes and codes before utilizing the clearing procedure outlined below.)

1. Disconnect the EVSE from the vehicle.
2. IG ON (with foot removed from brake pedal, press and release start button once, wait 1 second, press and release start button again).
3. Wait 10 seconds for the system to complete the start-up check.
4. IG OFF (with foot removed from brake pedal, press and release start button).
5. Wait 1 second.
6. Repeat steps 2-5 four times to clear the warning message. On the fourth IG-ON event, the warning message should no longer be displayed.

Contact TAS if issue is still present after this message clearing process.

LINK REFERENCES

This Tech Tip does not contain any link references.