

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
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**CONDITION**

Some customers may experience a 'Check EV System' message illuminating after attempting to charge their vehicle at a public charging station. No other vehicle operation or performance issues are present.

This issue is currently under investigation. Charging station compatibility is being studied as a potential cause for the Warning Message.

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



**RECOMMENDATIONS**

Leviton Mfg. is the Toyota-approved supplier for Electric Vehicle Supply Equipment (EVSE), also known as, 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 validated by Toyota directly. 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
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 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 caused by an incompatible charging station, the message can be cleared following the procedure below:

(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 the Warning Message is still present after this message clearing process.

**LINK REFERENCES**

This Tech Tip does not contain any link references