

Subject

**RAV4 EV: EV Charging Station Incompatibility -
"Check EV System" Message**

Market

USA

Service Category

Engine/Hybrid System

Section

Hybrid/Battery Control System

Applicability

2012-2013 RAV4 EV

APPLICABLE VEHICLES

2012-2013

RAV4 EV

CONDITION

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

This may be a result of incompatibility with unapproved EV charging stations.



RECOMMENDATIONS

Leviton Mfg. is the Toyota-approved supplier for Electric Vehicle Supply Equipment (EVSE), 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 charging stations offered in the market, **only the Leviton models specified above have been fully approved for use on Toyota vehicles.**

Toyota will continue to conduct basic testing on other manufacturers' Level 2 charging stations. At this time, the following Level 2 charging stations* have completed a basic level of confirmation indicating potential compatibility with the Toyota RAV4 EV:

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

If you suspect the 'Check EV System' message is displayed due to use of an incompatible charging station, clear the message by following the procedure on page 2.

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RECOMMENDATIONS

Note: The 'Check EV System' message can be displayed for various reasons. Verify no other DTCs or abnormal conditions are present before utilizing the clearing procedure outlined below.

1. Disconnect the charging station from the vehicle.
2. IG ON (press the "Start" button 2 times with foot OFF the brake pedal).
3. Wait 10 seconds for the system to complete the start-up check to look for existing errors.
4. IG OFF (press the "Start" button 1 time with foot OFF the brake pedal,).
5. Wait 1 second.
6. Repeat steps 2 through 5, four times. The warning message should no longer be displayed.

LINKED REFERENCES

This Tech Tip does not contain any link references