

## 2014 RAV4 EV Pre-Delivery Service (PDS)

Service  
 Category General

Section Pre-Delivery Service

Market USA

Toyota Supports  
 ASE Certification 

### Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014	RAV4 EV	

### Introduction

Pre-Delivery Service (PDS) is a critical step in satisfying our new car customers. Customer feedback indicates the following areas deserve special attention when performing PDS:

- Careful inspection for paint chips/scratches and body dents/dings.
- Proper operation of electrical accessories (including interior light, clock, and radio reset).
- Interior cleanliness.
- Proper function of mechanical systems.

A new PDS Check Sheet has been developed for the 2014 model year RAV4 EV. Some check points have been added, expanded or clarified. **Bulletins are available for items in bold type.**

### Warranty Policy

If the need for additional repairs or adjustment is noted during the Pre-Delivery Service, the required service should be performed under warranty. Reimbursement will be managed under the warranty policy.

**The Warranty Policy and Procedures Manual requires that you maintain the completed PDS check sheet in the customer's file.** If you cannot produce a completed form for each retailed vehicle upon TMS and/or Region/Distributor audit, the PDS payment amount will be subject to debit.

An additional Repair Order completed in conjunction with normal PDS must have time punch/flags for service. If multiple repairs are performed, separate time flags must be punched for each repair.

### Reimbursement Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
001013	Pre-Delivery Service (PDS)	1.0	N/A	N/A	N/A

## 2014 RAV4 EV Pre-Delivery Service (PDS)

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

\* Essential SST.

#### NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 8.20.019 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

### Before Inspection

When performing new car Pre-Delivery Service, install Short Pin before moving vehicle from storage lot so that FUNCTIONAL OPERATION checks can begin as soon as vehicle is moved into service stall.

1. Install Short Pin – see check sheet
2. Install antenna\*

### Functional Operation

Apply parking brake and cycle the Start/Stop switch to "Ready" On, place gear selector in reverse, turn on lights and rear defogger, unlock all doors, release battery charger door.

1. Check dome, courtesy, map, and sun visor lights
2. Check warning/indicator lights, gauges, and horn
3. Check windshield wipers and washers
4. Check headlights, instrument lights, turn signals, emergency flashers, and brake lights
5. Check inside/outside rear view mirror operation/adjustment
6. Check cigarette lighter\* and power outlets

Check the power outlet using an electrical accessory designed for this use.

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### Functional Operation (Continued)

7. Check audio/navigation\*/backup camera\* systems and set clock  
For navigation, set the destination search area to local position
8. Check sliding roof\*

### Walkaround Inspection

Starting at the left front door, check window and door lock operation and the operation of all power windows and door locks from master switch, on vehicles so equipped. While walking around vehicle in a counterclockwise direction, open left rear door (if applicable) and check operation of window regulator and door lock, set child safety door locks to the normal (unlocked) position. Assure tightness of interior garnishes and check seat belts. Inspect lights at rear of vehicle. Repeat checks at right rear door. Inspect right front door window regulator and lock operation and garnishes. Check seats and seat belt operation. Continue on around to the front of the vehicle checking lights.

1. **Check Smart Key System\*** – T-SB-0020-13
2. Check window operation
3. Check that child safety door locks are in normal (unlocked) position
4. Check seats and seat belt operation
5. Check rear defogger/rear view mirror defogger\*
6. Check side marker, tail, backup, and license plate lights
7. Check luggage compartment light\* and trim appearance
8. Check headlight aim

Refer to the Repair Manual for procedures.

### Under Hood

1. Check brake fluid level  
Visually inspect using see-through reservoir.
2. Check battery system coolant level (blue; right side)
3. Check motor system coolant level (blue; left side)
4. Check heater system coolant level (pink; right side)

**NOTE**

Use caution when adding coolant to vehicle. Ensure that the two coolant types do NOT get mixed.

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### Under Hood (Continued)

5. Check windshield washer fluid level
6. **Check auxiliary battery state-of-charge using Digital Battery System Analyzer**

Refer to Service Bulletin No. PG001-06, "Battery Maintenance for In-Stock Vehicles & Pre-Delivery."

**NOTE**

Battery SOC should be a minimum of 75%. Please enter the SOC Reading on the space provided on the check sheet and attach the printout to the check sheet.

7. Inspect for coolant and other fluid leaks

### Under Vehicle (On Hoist)

1. **Remove disc brake anti-rust covers/anti-corrosion wheel film\* – PD017-04**

Visually inspect rotors for rust.

**NOTE**

For best rotor rust prevention, retain wheel film on vehicle until just prior to customer delivery.

2. Inspect tires for defects/damage
3. **Tire Pressure Warning System (TPWS) confirmation – see check sheet**
4. Install wheel covers/caps/spare tire wheel covers\*
5. Inspect for coolant and other fluid leaks
6. Inspect under the vehicle for damage, rust, etc.
7. Visually check bolts and nuts on chassis and powertrain for looseness
8. Install rubber body plugs\* (stored in glove box or center console)

### Road Test

A complete road test helps assure customer satisfaction. Drive vehicle over a variety of road surfaces and driving conditions. Check for unusual noise and driving performance.

1. Check electric motor operation

Check performance over a broad range of driving conditions, including acceleration, cruise, and deceleration (including Brake Regeneration mode).

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### Road Test (Continued)

2. Check gear selector operation  
Check gear selector operation, including operation in each range, neutral start switch, and shift lock system.
3. Check brake and parking brake operation  
Check brake function, including unusual noise, parking brake performance, and all related brake system indicator lights.
4. Check steering operation and off-center/vehicle pull/flutter  
Check steering function.  
Check steering off-center/vehicle pull/flutter.
5. Inspect for abnormal noise and vibration
6. Inspect for squeaks and rattles
7. Check front and rear\* heater and A/C operation
8. Check cruise control operation\*  
Check cruise control, including On-Off switch, "SET/COAST," "RESUME/ACCEL," and "CANCEL" functions.
9. Check front seat heater/ventilation operation\*

### Final Inspection & Cleaning

1. Remove interior protective covers, unnecessary labels, tags, etc. (Remove protective covers just before delivery to the customer)  
Remove plastic covers from door panels, seats, head restraints, and sun visors, as required.  
Remove labels, tags, and stickers (except those containing owner information).

**NOTE**

**Consumer information labels, such as airbag information warning and bumper information labels, MUST be left on the vehicle until delivery to a retail customer.**

2. Visually inspect all interior parts for installation, damage, fit, dirt, etc.
3. **Verify floor mat application and install using retaining clips\*** – [T-SB-0023-13](#)
4. Verify the green light is illuminated on SOS (Safety Connect) button\*
5. Remove Rappard™ and clear protective bumper film\*  
Ensure that ALL glue residue is removed.

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### Final Inspection & Cleaning (Continued)

6. Wash and clean vehicle
7. Inspect paint finish for scratches, chips, rust, dents, damage, etc.
8. Inspect exterior body parts for proper installation, damage, rust, etc.
9. Place Owner's Guide and first aid kit portfolio\* in glove box
10. **Install front license plate and mounting bracket\*** – see check sheet
11. Perform Techstream Health Check

Perform Health Check to ensure that diagnostic trouble codes are not present. Health Check results can be printed for the customer at delivery, or for the dealer file, using the Diagnostic Report function.

12. **Fully Charge EV battery** – T-SB-0001-13

*\*Inspect or install when equipped or required*



# TOYOTA TACOMA

## 2014 PRE-DELIVERY SERVICE CHECK SHEET

September 2013

BEFORE INSPECTION	OK	Adjust/Repair
01 Install Short Pin (see page 2).....	<input type="checkbox"/>	<input type="checkbox"/>
02 Install antenna .....	<input type="checkbox"/>	<input type="checkbox"/>

FUNCTIONAL OPERATION		
<i>Apply parking brake and cycle ignition "IG-ON"; place gear selector in reverse; turn on lights and rear defogger. Unlock doors; release fuel door.</i>		
01 Check dome, courtesy, map, and sun visor lights* .....	<input type="checkbox"/>	<input type="checkbox"/>
02 Check warning/indicator lights, gauges, and horn.....	<input type="checkbox"/>	<input type="checkbox"/>
03 Check windshield wipers and washers .....	<input type="checkbox"/>	<input type="checkbox"/>
04 Check headlights, instrument lights, turn signals, emergency flashers, and brake lights .....	<input type="checkbox"/>	<input type="checkbox"/>
05 Check inside/outside rear view mirror operation/adjustment* .....	<input type="checkbox"/>	<input type="checkbox"/>
06 Check cigarette lighter* and power outlets .....	<input type="checkbox"/>	<input type="checkbox"/>
07 Check audio/navigation*/backup camera* systems and set clock* .....	<input type="checkbox"/>	<input type="checkbox"/>
08 Install shift-lock override button cover* .....	<input type="checkbox"/>	<input type="checkbox"/>
09 Check passenger airbag system cutoff switch and light* ..	<input type="checkbox"/>	<input type="checkbox"/>

WALKAROUND INSPECTION		
<i>Start at left front door. Check window and door lock operation (from master power switch, if equipped). Continue around vehicle in a counterclockwise direction checking each door and window operation, child door locks, seat belts, interior condition, all lights, luggage compartment contents. Finish by checking headlight aim and continue into UNDER HOOD checks.</i>		
01 Check door and door lock operation, including each wireless remote control/theft deterrent system* .....	<input type="checkbox"/>	<input type="checkbox"/>
02 Check window operation .....	<input type="checkbox"/>	<input type="checkbox"/>
03 Check that engine starts with all keys .....	<input type="checkbox"/>	<input type="checkbox"/>
04 Check that child safety door locks are in normal (unlocked) position* .....	<input type="checkbox"/>	<input type="checkbox"/>
05 Check seats and seat belt operation .....	<input type="checkbox"/>	<input type="checkbox"/>
06 Check side marker, tail, backup, cargo*, and license plate lights .....	<input type="checkbox"/>	<input type="checkbox"/>
07 Check jack and tool installation .....	<input type="checkbox"/>	<input type="checkbox"/>
08 Check headlight aim .....	<input type="checkbox"/>	<input type="checkbox"/>

UNDER HOOD		
01 Check engine oil and ATM* fluid levels.....	<input type="checkbox"/>	<input type="checkbox"/>
02 Check brake, clutch*, and power steering fluid levels.....	<input type="checkbox"/>	<input type="checkbox"/>
03 Check engine coolant level.....	<input type="checkbox"/>	<input type="checkbox"/>
04 Check windshield washer fluid level .....	<input type="checkbox"/>	<input type="checkbox"/>
05 Check battery state-of-charge using Digital Battery System Analyzer (SOC Reading: _____%) .....	<input type="checkbox"/>	<input type="checkbox"/>
06 Inspect for fuel, oil, coolant, and other fluid leaks .....	<input type="checkbox"/>	<input type="checkbox"/>

\* Inspect or install when equipped/required.

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

Completion and retention of this form is required to comply with Toyota's Warranty Policy.

TECHNICIAN'S SIGNATURE _____	SERVICE MANAGER'S SIGNATURE _____	<i>We hereby certify that all items on this form have been checked and corrected for proper operation as required.</i>
NAME (PLEASE PRINT) _____	NAME (PLEASE PRINT) _____	

Date _____	Dealer Name _____	Dealer Code _____	Vehicle Identification Number (Sticker) _____
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UNDER VEHICLE (ON HOIST)	OK	Adjust/Repair
01 Remove disc brake anti-rust covers/anti-corrosion wheel film* .....	<input type="checkbox"/>	<input type="checkbox"/>
02 Inspect tires for defects/damage and adjust air pressure (including spare tire) .....	<input type="checkbox"/>	<input type="checkbox"/>
03 Initialize Tire Pressure Warning System (TPWS) (see page 2) .....	<input type="checkbox"/>	<input type="checkbox"/>
04 Install wheel covers/caps/spare tire wheel covers* .....	<input type="checkbox"/>	<input type="checkbox"/>
05 Inspect for fuel, oil, coolant, and other fluid leaks .....	<input type="checkbox"/>	<input type="checkbox"/>
06 Inspect under the vehicle for damage, rust, etc. ....	<input type="checkbox"/>	<input type="checkbox"/>
07 Visually check bolts and nuts on chassis and powertrain for looseness .....	<input type="checkbox"/>	<input type="checkbox"/>

ROAD TEST
<i>A complete road test helps assure customer satisfaction. Drive vehicle over a variety of road surfaces and driving conditions. Check for unusual noise and driving performance.</i>

Enter Odometer Readings		
Reading Before Test: _____	Reading After Test: _____	
01 Check cold engine operation .....	<input type="checkbox"/>	<input type="checkbox"/>
02 Check engine operation during warm-up .....	<input type="checkbox"/>	<input type="checkbox"/>
03 Check engine at normal operating temperature .....	<input type="checkbox"/>	<input type="checkbox"/>
04 Check clutch*/transmission operation .....	<input type="checkbox"/>	<input type="checkbox"/>
05 Check brake and parking brake operation .....	<input type="checkbox"/>	<input type="checkbox"/>
06 Check steering operation and off-center/vehicle pull/flutter .....	<input type="checkbox"/>	<input type="checkbox"/>
07 Inspect for abnormal noise and vibration .....	<input type="checkbox"/>	<input type="checkbox"/>
08 Inspect for squeaks and rattles .....	<input type="checkbox"/>	<input type="checkbox"/>
09 Check front and rear* heater and A/C operation .....	<input type="checkbox"/>	<input type="checkbox"/>
10 Check cruise control operation* .....	<input type="checkbox"/>	<input type="checkbox"/>
11 Set/calibrate compass* (see page 2) .....	<input type="checkbox"/>	<input type="checkbox"/>

FINAL INSPECTION AND CLEANING		
01 Remove interior protective covers, unnecessary labels, tags, etc. (Remove just before delivery to customer).....	<input type="checkbox"/>	<input type="checkbox"/>
02 Verify floor mat application and install using retaining clips* .....	<input type="checkbox"/>	<input type="checkbox"/>
03 Visually inspect all interior parts for installation, damage, fit, dirt, etc. ....	<input type="checkbox"/>	<input type="checkbox"/>
04 Remove Rapgard™ and clear protective bumper film*....	<input type="checkbox"/>	<input type="checkbox"/>
05 Wash and clean vehicle .....	<input type="checkbox"/>	<input type="checkbox"/>
06 Inspect paint finish for scratches, chips, rust, dents, damage, etc. ....	<input type="checkbox"/>	<input type="checkbox"/>
07 Inspect exterior body parts for proper installation, damage, rust, etc. ....	<input type="checkbox"/>	<input type="checkbox"/>
08 Place oil change sticker on inside of windshield, top left corner .....	<input type="checkbox"/>	<input type="checkbox"/>
09 Place Owner's Guide and first aid kit portfolio* in glove box .....	<input type="checkbox"/>	<input type="checkbox"/>
10 Perform Techstream Health Check .....	<input type="checkbox"/>	<input type="checkbox"/>
11 Install front* and rear license plates (see page 2) .....	<input type="checkbox"/>	<input type="checkbox"/>

## SHORT PIN INSTALLATION

To minimize battery discharge the Short Pin has been removed and is stored in the engine compartment relay block. Install the Short Pin and confirm all related DTCs (B1650 and B1794) are cleared.

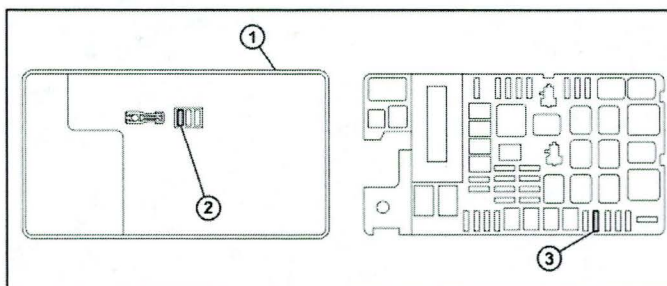
If any DTCs besides DTC B1650 and B1794 remain, repair the applicable system according to the Repair Manual.

### NOTE

Removing the Short Pin cuts off the power sources relating to the dome, radio No. 1, ECU-B, and CRT fuses.

The Short Pin does NOT function as a fuse, so only install it in the position shown.

If the vehicle is stored in the dealership for a long period of time after PDS, disconnect the negative (-) battery terminal to prevent battery discharge. Refer to Service Bulletin No. PG001-06, "Battery Maintenance for In-Stock Vehicles & Pre-Delivery," for battery maintenance information.



1 Underside of Relay Block Cover  
2 Short Pin Storage Location

3 Install Short Pin Here

## COMPASS CALIBRATION

Refer to the Repair Manual for the Calibration procedure for vehicles equipped with a compass in the rear view mirror.

### NOTE

- Do NOT perform calibration of the compass in a place where the Earth's magnetic field is subject to interference (underground parking, under a steel tower, between buildings, roof parking, near a railroad crossing, near a large vehicle, etc.).
- During calibration, do NOT operate electric systems (moon roof, power windows, etc.) as they may interfere with the calibration.

## TPWS INITIALIZATION

Refer to the Repair Manual for the Initialization procedure. Please note the spare tire does not have a TPWS sensor. Remove the ID number labels that are attached to each wheel and discard.

### NOTE

To adjust the tire pressure correctly when the outside temperature is significantly colder than shop temperature, perform a Health Check using Techstream and select the "Compensation Tire Pressure" checkbox. Compensation pressures will be displayed on the Health Check results screen. Adjust the tire pressure when the tires are cold.

## FRONT\* AND REAR LICENSE PLATE INSTALLATION

The following procedure is recommended for front and rear license plate installation on Tacoma vehicles.

### Front Installation Procedure

1. Align the holes on the license plate with the dimples on the bumper.
2. Install 2 self-tapping screws through the license plate and into the front bumper at the dimples.

Length: 16.0 – 24.0 mm (0.63 – 0.94 in.)

Diameter: 6.0 mm (0.24 in.)

### Rear Installation Procedure

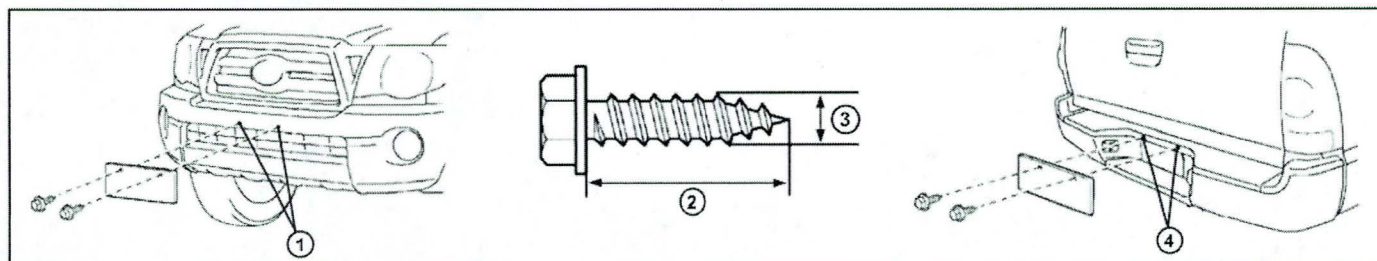
1. Align the holes on the license plate with the holes on the bumper.
2. Install 2 self-tapping screws through the license plate and into the holes in the rear bumper.

Length: 16.0 mm – 18.0 mm (0.63 in. – 0.71 in.)

Diameter: 6.0 mm (0.24 in.)

### NOTICE

- Do NOT pre-drill holes into the bumper.
- Do NOT overtighten the self-tapping screws.



1 Dimples

2 Length

3 Diameter

4 Installation Holes