

Short Pin Installation During PDS

Service Category General

Section Pre-Delivery Service

Market USA

 Toyota Supports ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014	Avalon, Avalon HV	

Introduction

To minimize battery discharge during transportation and storage, the Short Pin has been removed at the assembly plant and temporarily stored in the engine compartment Relay Block. Reinstall the Short Pin into its original location and confirm all related Diagnostic Trouble Codes (DTCs) are cleared during Pre-Delivery Service (PDS).

NOTE

The Short Pin is removed only on vehicles going to Hawaii, Puerto Rico, Saipan, Guam, and American Samoa.

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.

Warranty Information

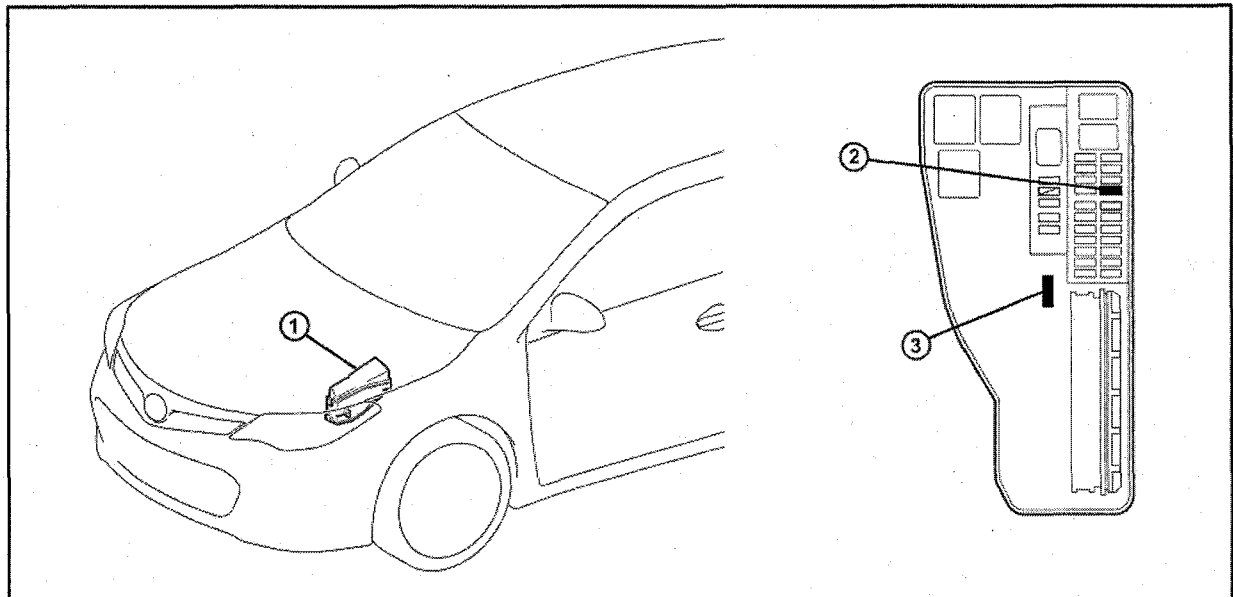
OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	-	-	-	-

Short Pin Installation During PDS

Installation Procedure

Remove the Short Pin from the blank space of the Relay Block in the engine compartment and install the Short Pin in the Relay Block as shown.

Figure 1.



1	Relay Block
2	Install Short Pin Here

3	Remove this Short Pin
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NOTE

- The Short Pin does **NOT** function as a fuse, so install it only in the position shown.
- If the vehicle is stored after PDS, disconnect the negative (-) battery terminal to prevent battery discharge. Refer to Service Bulletin No. PG001-06, "*Battery Maintenance for In-Stock Vehicles and Pre-Delivery.*"

DTC Clearing Procedure

With the Short Pin removed, several different ECUs may detect the interruption in battery voltage (B+) and store a DTC. Clear any DTCs after installing the Short Pin.

1. Connect Techstream to DLC3.
2. Cycle the ignition switch to the "IG-ON" position.

Short Pin Installation During PDS

DTC Clearing Procedure (Continued)

- Using Techstream, check to see if any DTCs other than those listed in the table below are stored.

DTC NUMBER	MEANING OF DTC
U0155	Lost Communication with "Combination Meter"
U0199 (with Memory Seat)	Lost Communication with "Door Control Module A"
U0200 (with Memory Seat)	Lost Communication with "Door Control Module B"
U0208 (with Memory Seat)	Lost Communication with "Seat Control Module A"

NOTE

If any DTCs besides those listed in the table remain, repair the applicable system according to the Repair Manual.

- Erase DTCs.



TOYOTA Avalon /Avalon HV

2014 PRE-DELIVERY SERVICE CHECK SHEET

September 2013

BEFORE INSPECTION	OK	Adjust/Repair
01 Install Short Pin* (Hawaii, Puerto Rico, Saipan, Guam, American Samoa).....	<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 all doors, release fuel door, release trunk hatch.</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 Verify Entune/Navigation software version (Display Audio, Non-HDD Type only)*	<input type="checkbox"/>	<input type="checkbox"/>
09 Install shift-lock override button cover	<input type="checkbox"/>	
10 Check sliding roof*	<input type="checkbox"/>	<input type="checkbox"/>
11 Check rear sunshade operation*	<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 Smart Key System*	<input type="checkbox"/>	<input type="checkbox"/>
02 Check door and door lock operation, including each wireless remote control/theft deterrent system*	<input type="checkbox"/>	<input type="checkbox"/>
03 Check window operation	<input type="checkbox"/>	<input type="checkbox"/>
04 Check that engine starts with all keys	<input type="checkbox"/>	<input type="checkbox"/>
05 Check that child safety door locks are in normal (unlocked) position	<input type="checkbox"/>	<input type="checkbox"/>
06 Check seats and seat belt operation	<input type="checkbox"/>	<input type="checkbox"/>
07 Check rear defogger/rear view mirror defogger*	<input type="checkbox"/>	<input type="checkbox"/>
08 Check side marker, tail, backup, and license plate lights	<input type="checkbox"/>	<input type="checkbox"/>
09 Check luggage compartment light* and trim appearance	<input type="checkbox"/>	<input type="checkbox"/>
10 Adjust spare tire pressure, inspect for damage, and check jack and tool installation.....	<input type="checkbox"/>	<input type="checkbox"/>
11 Check headlight aim	<input type="checkbox"/>	<input type="checkbox"/>

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

BATTERY MAINTENANCE*		
01 Perform HV battery check and maintenance	<input type="checkbox"/>	<input type="checkbox"/>

* Inspect or install when equipped/required.

UNDER VEHICLE (ON HOIST)	OK	Adjust/Repair
01 Remove disc brake anti-rust covers/anti-corrosion wheel film*	<input type="checkbox"/>	
02 Inspect tires for defects/damage.....	<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 Check hybrid transmission fluid level*	<input type="checkbox"/>	<input type="checkbox"/>
06 Inspect for fuel, oil, coolant, and other fluid leaks	<input type="checkbox"/>	<input type="checkbox"/>
07 Inspect under the vehicle for damage, rust, etc.	<input type="checkbox"/>	<input type="checkbox"/>
08 Visually check bolts and nuts on chassis and powertrain for looseness	<input type="checkbox"/>	<input type="checkbox"/>
09 Install rubber body plugs (stored in glove box or center console)*	<input type="checkbox"/>	
10 Install front wheel opening extension pads (see page 2)	<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 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 Blind Spot Monitor System*	<input type="checkbox"/>	<input type="checkbox"/>
10 Check front and rear* heater and A/C operation.....	<input type="checkbox"/>	<input type="checkbox"/>
11 Check cruise control operation*	<input type="checkbox"/>	<input type="checkbox"/>
12 Check front seat heater/ventilation* operation	<input type="checkbox"/>	<input type="checkbox"/>
13 Check driver's seat memory operation*	<input type="checkbox"/>	<input type="checkbox"/>
14 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"/>	
02 Visually inspect all interior parts for installation, damage, fit, dirt, etc.	<input type="checkbox"/>	<input type="checkbox"/>
03 Verify floor mat application and install using retaining clips*	<input type="checkbox"/>	<input type="checkbox"/>
04 Verify green light is illuminated on SOS (Safety Connect) button*	<input type="checkbox"/>	<input type="checkbox"/>
05 Remove Rapgard™ and clear protective bumper film*	<input type="checkbox"/>	
06 Wash and clean vehicle.....	<input type="checkbox"/>	
07 Inspect paint finish for scratches, chips, rust, dents, damage, etc.	<input type="checkbox"/>	<input type="checkbox"/>
08 Inspect exterior body parts for proper installation, damage, rust, etc.	<input type="checkbox"/>	<input type="checkbox"/>
09 Place oil change sticker on inside of windshield, top left corner	<input type="checkbox"/>	
10 Place Owner's Guide and first aid kit portfolio* in glove box	<input type="checkbox"/>	
11 Install front license plate & mounting bracket* (see page 2)	<input type="checkbox"/>	
12 Perform Techstream Health Check	<input type="checkbox"/>	<input type="checkbox"/>

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

TECHNICIAN'S SIGNATURE _____	SERVICE MANAGER'S SIGNATURE _____	We hereby certify that all items on this form have been checked and corrected for proper operation as required.	
NAME (PLEASE PRINT) _____	NAME (PLEASE PRINT) _____		
Date _____	Dealer Name _____	Dealer Code _____	Vehicle Identification Number (Sticker) _____

TPWS INITIALIZATION

Refer to the Repair Manual for the Initialization procedure (Avalon/Avalon HV). Please note the spare tire does not have a TPWS sensor.

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 WHEEL OPENING EXTENSION PAD INSTALLATION

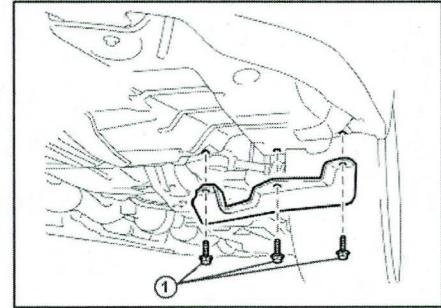
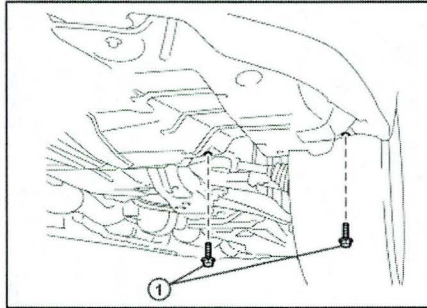
The front wheel opening extension pad set (right and left front wheel opening extension pads and 2 tapping screws) is loaded in the luggage compartment at the assembly plant to avoid damage in transit.

1. Remove the 2 tapping screws from the engine under cover (the screws will be reused for installation).
2. Place the left front wheel opening extension pad on the installation position as shown and tighten the 3 tapping screws.
3. Repeat steps 1 and 2 for the right

NOTE

There is a mark on each pad to designate left and right side.

1 Tapping Screws



COMPASS CALIBRATION

Refer to the Repair Manual for the Calibration procedure (Avalon/Avalon HV) 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.

FRONT LICENSE PLATE & MOUNTING BRACKET INSTALLATION*

The front license plate mounting bracket set (front license plate mounting bracket, 4 long self-tapping screws and 2 short self-tapping screws) is loaded in the luggage compartment at the assembly plant.

1. Align the holes on the front license plate mounting bracket with the dimples on the front of the lower grille.
2. Install the 4 long self-tapping screws "B" through the holes on the front license plate mounting bracket into the lower grille.
3. Insert the license plate into the tabs on the bracket.

Screw A: 20 mm (0.787 in.)

Screw B: 37 mm (1.456 in.)

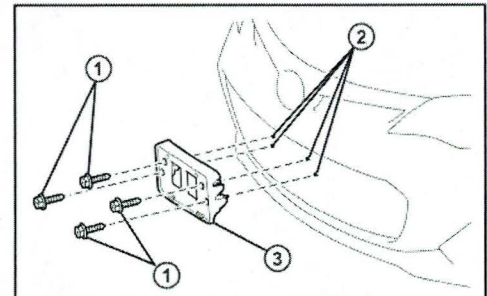
NOTICE

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

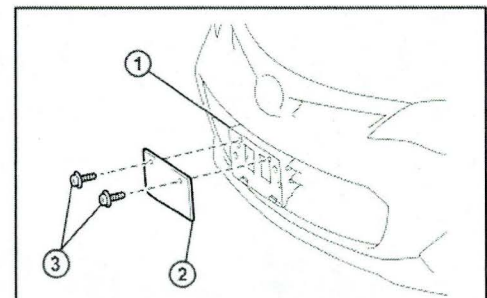
4. Align the holes on the license plate with the corresponding holes of the front license plate mounting bracket.
5. Install 2 short self-tapping screws "A" through the holes on the front license plate mounting bracket and license plate.

NOTICE

- Do NOT drill holes through the front license plate mounting bracket.
- Do NOT over-tighten the self-tapping screws.



1 Self-tapping Screws (B) 3 Front License Plate Mounting Bracket
2 Dimples



1 Front License Plate Mounting Bracket 2 License Plate
3 Self-tapping Screws (A)