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Service bulletin

Area Application : Europe, General, G.C.C. Countries, Australia Model Name : RC F, RC350, RC200t, RC300h Model Code : USC1#, GSC1#, ASC1#, AVC1#

Subject : PDS (Pre-Delivery Service) INFORMATION FOR RC F / RC350 / RC200t / RC300h

This Service Bulletin is revised version of Ref. No. PD-4105R issued in Feb., 2015.

- Model Name was added. (RC200t/RC300h)
- Model Code was added. (ASC1#/AVC1#)
- Change in installation procedure for item "D/C CUT FUSE INSTALLATION DURING PDS" .
 (Add location of D/C CUT FUSE in Relay Block for RC300h)
- Item "MAINTENANCE FOR HV / AUXILIARY BATTERY BEFORE DELIVERY (Hybrid models only) (Refer to the instruction in Service Bulletin Ref. No. PD-8001R for Europe models)" was added.

Ref. No. PD-4105R issued in Feb., 2015.

- Item "INITIALIZATION OF SEAT ECU" was added.

This is to inform you of the following PDS items for RC F / RC350 / RC200t / RC300h;

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*: Not covered

Part No. Information :

New Part No.	New Part Name	Qty
N/A	N/A	-

Production Effective :

VIN	Production Date
N/A	October 2015

PDS (Pre-Delivery Service) 1. D/C CUT FUSE INSTALLATION DURING PDS

Installation

The D/C CUT FUSE has been removed at the assembly plant to reduce parasitic current draw in transit and storage.

The removed D/C CUT FUSE is stored in the blank space of the relay block in the engine compartment. The D/C CUT FUSE must be reinstalled to the original location during PDS (Pre-Delivery Service) at the dealership.



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2. INITIALIZATION OF SEAT ECU

Initialization

Initialize the seat ECU after installing the D/C CUT fuses during PDS (Pre-Delivery Service) at the dealership.



1. Initialization Procedure of Driver's Seat



(a) Turn the engine switch on (IG).

(b) Operate the slide and vertical power seat switch knob to tilt the power seat downward 3 times.

(c) Within 10 seconds of the previous step, simultaneously operate and hold the reclining power seat switch knob to recline the power seat and operate and hold the slide and vertical power seat switch knob to move the power seat upward until the buzzer sounds.

(d) Operate and hold the slide and vertical power seat switch knob to move the power seat to the foremost position.



Hint:

Continue holding the slide and vertical power seat switch knob for 1 second after the power seat has stopped at the foremost position.

(e) Operate and hold the slide and vertical power seat switch knob to move the power seat to the rearmost position.

Hint:

Continue holding the slide and vertical power seat switch knob for 1 second after the power seat has stopped at the rearmost position.

(f) Operate and hold the slide and vertical power seat switch knob to move the power seat to the lowermost position.



Hint:

Continue holding the slide and vertical power seat switch knob for 1 second after the power seat has stopped at the lowermost position.

(g) Pull the reclining remote control lever sub-assembly. After the power seat has automatically moved to the lowermost position, fold the seatback forward and check that the one-touch walk-in function operates normally.



2. Initialization Procedure of Front Passenger Seat

(a) Initialize the front passenger seat in the same manner as in the driver seat.

3. ACTIVATION OF TIRE PRESSURE WARNING SYSTEM (Except Latin America, Taiwan, Hong Kong, Brunei and Indonesia)

TOYOTA MOTOR CORPORATION

Activation

The tire pressure warning valve & transmitter is built in each tire valve (except for compact spare tire), and the measured tire inflation pressure data is sent to the tire pressure warning ECU & receiver by radio wave.

However, the radio wave is stopped at assembly plant, because the frequency of the radio wave emitting from the tire pressure warning valve & transmitter does not comply with the Japan Wireless Telegraphy Act.

Activate the tire pressure warning valve & transmitter to operate the tire pressure warning system during PDS (Pre-Delivery Service) at the dealership according to the procedure outlined below.

1. Activation Procedure

(a) Connect the GTS to the DLC3.



(b) Turn the engine switch to the "IG-ON" position, and check that the tire pressure warning light illuminates after blinking for 1 minute.

(c) Press the valve core to reduce the tire inflation pressure rapidly by 6 psi (0.4 kgf/cm2, 40 kPa) or more within 30 seconds.



Hint:

This operation is required for the system to be activated and must be performed for each tire (except for compact spare tire), one at a time.

(d) Using the GTS, check that DTCs for "tire pressure warning valve & transmitter stop" (C2111 to C2114) are not output.

Hint:

- If the DTCs (C2111 to C2114) are output, repeat step (c).
- If the DTCs (C2111 to C2114) are output after repeating step (c), turn the tires 90 to 270 degrees.
- If any DTCs other than the DTCs (C2111 to C2114) are output, refer to the Repair Manual.

4. INITIALIZATION OF TIRE PRESSURE WARNING SYSTEM (If equipped)

Initialization

The tire pressure warning valve & transmitter is built in each tire valve (except for compact spare tire), and the measured tire inflation pressure data is sent to the tire pressure warning ECU & receiver by radio wave.

After adjusting all tires to the standard air pressure, perform initialization of the tire pressure warning system during PDS (Pre-Delivery Service) at the dealership according to the procedure outlined below.

1. Initialization Procedure

(a) Make sure that the tires are cold and set the tire inflation pressure of all tires (except for compact spare tire) to the specified values.



Hint:

The specified values show on the tire and loading information label on the vehicle.

(b) Turn the engine switch to the "IG-ON" position.



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(c) Press and hold the tire pressure warning reset switch for 3 seconds or more so that the tire pressure warning light blinks 3 times.

(d) Turn the engine switch to the "OFF" position and connect the GTS to the DLC3.

(e) Turn the engine switch to the "ON" position and turn the GTS on.

(f) Enter the following menus: Chassis / Tire Pressure Monitor / Data List.

(g) Confirm all the tire pressure data displayed on the GTS screen to check the completion of the initialization.

Hint:

- The order in which the data is received is random.
- If the signals from all the wheels are received, initialization is completed.
- Initialization is completed when the Data List "ID Tire Inflation Pressure" display shows the correct pressures.
- Initialization is normally completed within a few minutes.
- If initialization has not been completed successfully, DTC C2177/77 is stored after a vehicle speed of 37 km/h (23 mph) or more continues for 20 minutes or more. Refer to the Repair Manual.

(h) Set the tire inflation pressure of all tires (except for compact spare tire) to the specified values.

Hint:

If there is a great difference between the current temperature of the tire and wheel (example: shop temperature) and expected temperature (outdoor temperature), this needs to be considered when adjusting the tire inflation pressure.

(i) Remove the ID number labels when they are attached on each wheel.

5. INITIALIZATION OF PARKING ASSIST MONITOR SYSTEM (If equipped)

Initialization

The parking assist monitor system assists the driver by displaying an image of the area behind the vehicle while backing up.

As a result of the removal of the D/C CUT fuse, the power source to the steering angle sensor is cut off. When the D/C CUT fuse is reinstalled, the parking assist monitor system will be operative, but it cannot display guide lines to assist parking operation because the center position recognized by the steering angle sensor may not be in an initial position.

Therefore, initialize the parking assist monitor system after installing the D/C CUT fuse during PDS (Pre-Delivery Service) at the dealership.

1. Initialization Procedure

(a) Start the engine. Check if the parking assist monitor system is operative.

(1) Shift the shift lever to the "R" position, check the estimated course lines are not displayed.

Hint:

When the estimated course lines are displayed, initialization of the parking assist monitor system has been completed.

(2) Shift the shift lever to the "P" position. Turn the steering wheel lock to lock.

(3) Shift the shift lever to the "R" position. When the estimated course line appear on the rear view monitor as illustrated, the initialization of the parking assist monitor system has been completed.



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6. REMOVAL OF FRONT AND REAR EMERGENCY TOWING EYELET AND INSTALLATION OF TOWING EYELET HOLE COVER

Removal and Installation

1. Removal and Installation Procedure

(a) Remove the front and rear emergency towing eyelets from the front and rear bumpers by turning them counterclockwise.



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Hint:

If it is hard to loosen the front emergency towing eyelet, use a steel bar.

(b) Place one the removed front emergency towing eyelet into the luggage tray or tool bag in the luggage compartment.

Hint:

Dispose the other removed emergency towing eyelets.



(c) Install the front and rear emergency towing eyelet hole covers, which are stored in the glove box, onto the front and rear bumpers.

(1) Insert the arrow-shaped part (A) of the front emergency towing eyelet hole cover into the hole (B) as shown in the illustration.

(2) Install the front emergency towing eyelet hole cover to the hole of the front bumper.



7. FRONT WHEEL OPENING EXTENSION PAD INSTALLATION

Installation

The front wheel opening extension pad set (right and left front wheel opening extension pads and 6 tapping screws) is loaded in the luggage compartment at the assembly plant to avoid damage in transit. Install the front wheel opening extension pads to the vehicle prior to delivery to customer according to the procedure outlined herein.

1. Installation Procedure



Hint:

- Use the same procedure for the RH side and LH side.
- The procedure listed below is for the LH side.

- There is a distinguishable mark on each pad.

(a) Place the left front wheel opening extension pad on the installation position and temporarily tighten the 3 tapping screws. Then tighten the 3 tapping screws.

8. MAINTENANCE FOR HV / AUXILIARY BATTERY BEFORE DELIVERY (Hybrid models only)

Note:

Europe models should follow the procedure in Service Bulletin Ref. No. PD-8001R.

Maintenance

The RC300h is equipped with 2 types of special batteries, one is HV (Hybrid Vehicle) battery and the other is auxiliary battery.

If the hybrid vehicle is put into storage, the SOC (State Of Charge) of its HV battery and auxiliary battery will gradually decrease. To prevent the auxiliary battery from deteriorating during storage, proper maintenance is necessary.

Therefore, please perform the following maintenance service for the HV battery and auxiliary battery at Port of Entry and Dealers.

Hint:

- Before you disconnect the auxiliary battery, confirm the shift position is in the "P" position and apply the parking brake completely.
- If the negative terminal of the auxiliary battery is reconnected, even if the power switch turned to the "START" mode, the hybrid system may not start. At this time, the "READY" light is OFF. In this case, select the power switch to the "START" again to start the hybrid system (the "READY" light is ON). If the hybrid system still does not start (the "READY" light is OFF), refer to the Repair Manual.

Maintenance	Items a	at Port	of Entry	/Details:
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	Condition	Maintenance Operation
A	Before delivery	Fully charge auxiliary battery in slow charge (5.0 amperes). (Deliver the vehicle to the customer after it is fully charged)
В	In order to store for 30 days or more	Disconnect the negative terminal of auxiliary battery. (Prevent decreasing the SOC (State Of Charge) of the auxiliary battery during storage due to parasitic current)
С	Just after unloading and then every 2 months	Keep "Hybrid System" on for 30 minutes. (In order to charge the HV battery and the auxiliary battery)

1. Before Delivery

(a) Before Charging the Auxiliary Battery

(1) Turn off the power switch and turn on the high beam headlights for 20 to 30 seconds. This will remove the surface charge from the battery.

(2) Turn off all lights and accessories.

(b) Charging

(1) Using a digital voltmeter, measure the battery voltage and take measures according to the conditions in the table below.

Tester Connection	Condition	Specified Condition	Measure
Positive (+) terminal -	20°C (68°E)	11.0 - 12.0 V	Charge the auxiliary battery
Negative (-) terminal	20 C (00 F)	Below 11.0 V	Replace the auxiliary battery

Hint:

- If the hybrid system has been running before measuring the voltage, wait 20 minutes or more after the hybrid system stops. This will remove the surface charge from the battery.

- Charging current must not exceed 5.0 amperes. (Quick charge is prohibited.)
- Charge in a well-ventilated area.
- Do not allow sparks or fire near the auxiliary battery.
- Do not charge over 10 hours.

(2) After charging, check that the auxiliary battery charge is 12.0 V. If it is below 12.0 V, recharge the auxiliary battery.

2. In Order to Store for 30 Days or more

(a) Disconnect the Negative Terminal of the auxiliary battery.

- (1) Turn off all lights, accessories and the hybrid system.
- (2) Disconnect the negative terminal.

Hint:

When necessary to move the vehicle, reconnect the negative terminal.

(b) Reconnect the Negative Terminal of the auxiliary battery.

(1) Reconnect the negative terminal.

Torque: 5.4 N*m 55 Kgf*cm

Hint:

When disconnecting the negative terminal of the auxiliary battery or after recharging the auxiliary battery, the hybrid system may not start. Follow the procedure below to initialize the system.

- Put the shift lever to the "P" position.
- Open and close any of the doors.
- Restart the hybrid system.

3. Every 2 Months

Hint:

When remaining capacity of HV battery is low, the gasoline engine automatically starts and HV battery is charged by the generator. Auxiliary battery is also charged by HV battery regardless of the gasoline engine operation.

- (a) Park the vehicle in open air or connect the exhaust extraction hose to the exhaust pipe.
- (b) Apply the parking brake.

(c) With the brake pedal depressed, select the power switch to the "START" mode, and check that the "READY" light in the meter illuminates when the hybrid system starts (the "READY" light is ON).

- (d) Turn off all lights and accessories.
- (e) Check that the shift lever is in the "P" position.
- (f) Keep the "READY" light on and charge the HV battery for 30 minutes.

Hint:

If the amount of charging energy is small, the display may not indicate the energy flow.