



Technical Service BULLETIN

November 1, 2006

Title:

COWL PANEL WATER LEAK

Models:

'06 RAV4

BODY
B0021-06

Introduction Some RAV4 customers may complain of water on the passenger's side floorboard after a heavy rainstorm or when going through a carwash. Water may be traveling underneath the outer cowl panel and entering the passenger compartment through the fresh air inlet of the heater box. The following repair procedure has been made available to correct this concern.

Applicable Vehicles

- **2006** model year **RAV4** vehicles produced **BEFORE** the Production Change Effective VINs shown below.

Production Change Information

PLANT	PRODUCTION CHANGE EFFECTIVE VIN		
	WMI	VDS	VIS
Tahara (11th digit = 5)	JTM	ZD31V#, ZD32V#, ZD33V#, ZD34V#, ZD35V#	65028328
		ZK31V#, ZK32V#, ZK33V#, ZK34V#, ZK35V#	65004673
		BD31V#, BD32V#, BD33V#, BD34V#, BD35V#	65044662
		BK31V#, BK32V#, BK33V#, BK34V#, BK35V#	65010656
Toyota Industries (11th digit = 6)		ZD31V#, ZD32V#, ZD33V#	66018247
		ZK31V#, ZK32V#, ZK33V#	66002469
		BD31V#, BD32V#, BD33V#	66020264
		BK31V#, BK32V#, BK33V#	66008507

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
N/A	53244-42040	Plate, Seal Set	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD5039	R & R Wiper Arms and Plastic Cowl Cover and Install Seal Plate	0.6	55708-42150	66	55

Applicable Warranty*:

This repair is covered under the Toyota Comprehensive Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



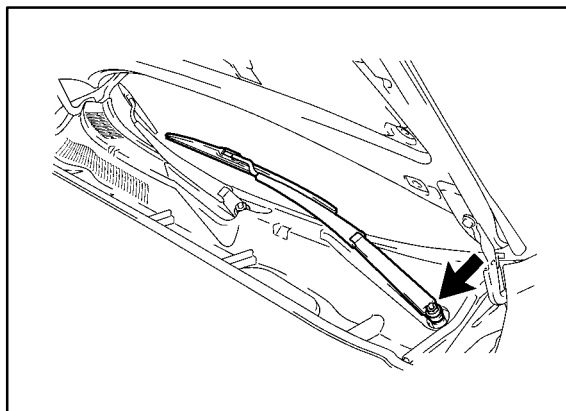
**Repair
Procedure**

1. Disconnect the cable from the negative (–) battery terminal.

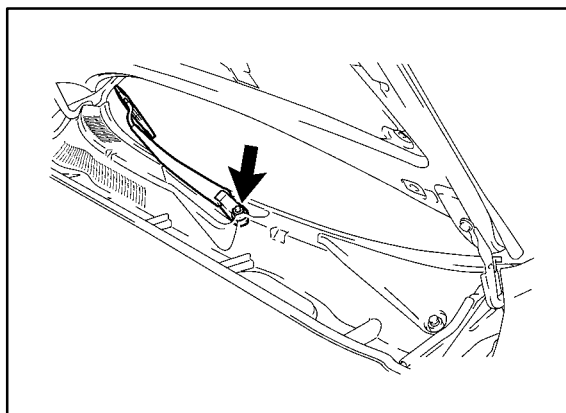
CAUTION:

Wait at **LEAST 90 seconds** after disconnecting the cable from the negative (–) battery terminal to prevent airbag and seat belt pretensioner activation.

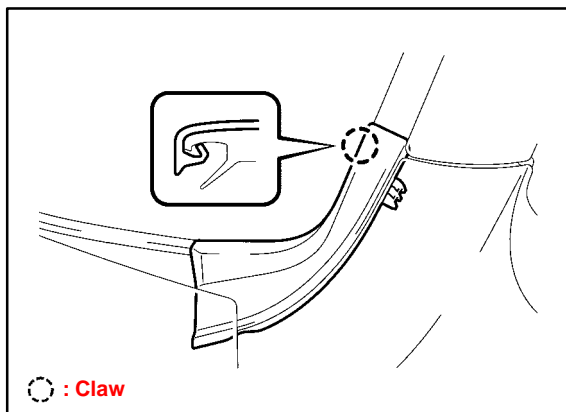
2. Remove the front wiper arm head caps.
3. Remove the front wiper arm and blade assembly LH by removing the nut.



4. Remove the front wiper arm and blade assembly RH by removing the nut.

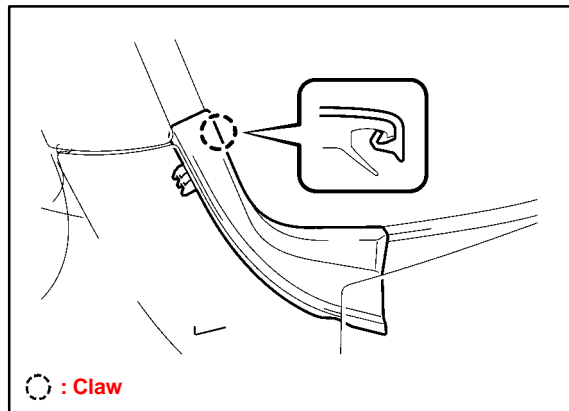


5. Remove the front fender to cowl side seal LH by detaching the claw.

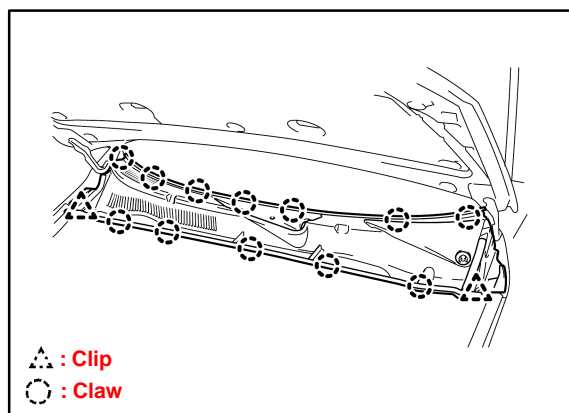


**Repair
Procedure**
(Continued)

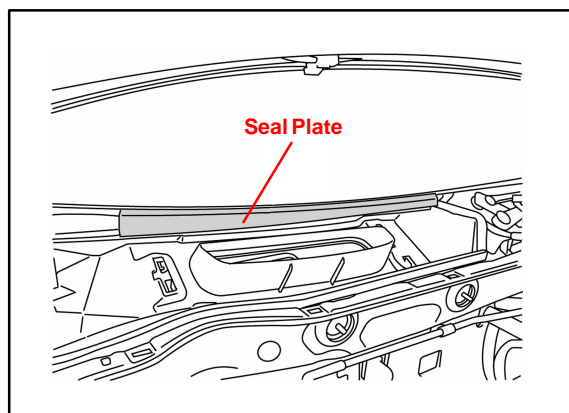
6. Remove the front fender to cowl side seal RH by detaching the claw.



7. Remove the cowl top ventilator louver.
- A. Remove the 2 clips.
 - B. Detach the 12 claws and remove the louver.

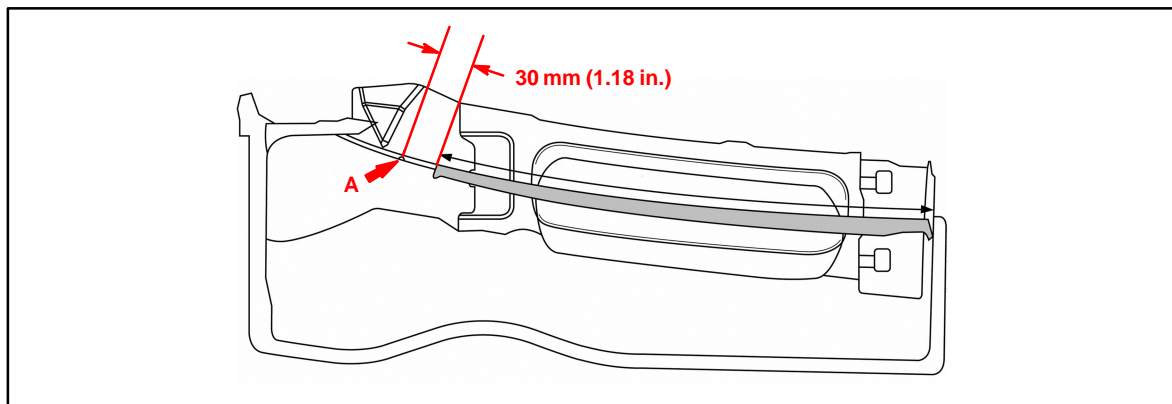


8. Install the seal plate on the cowl top outer panel as follows.

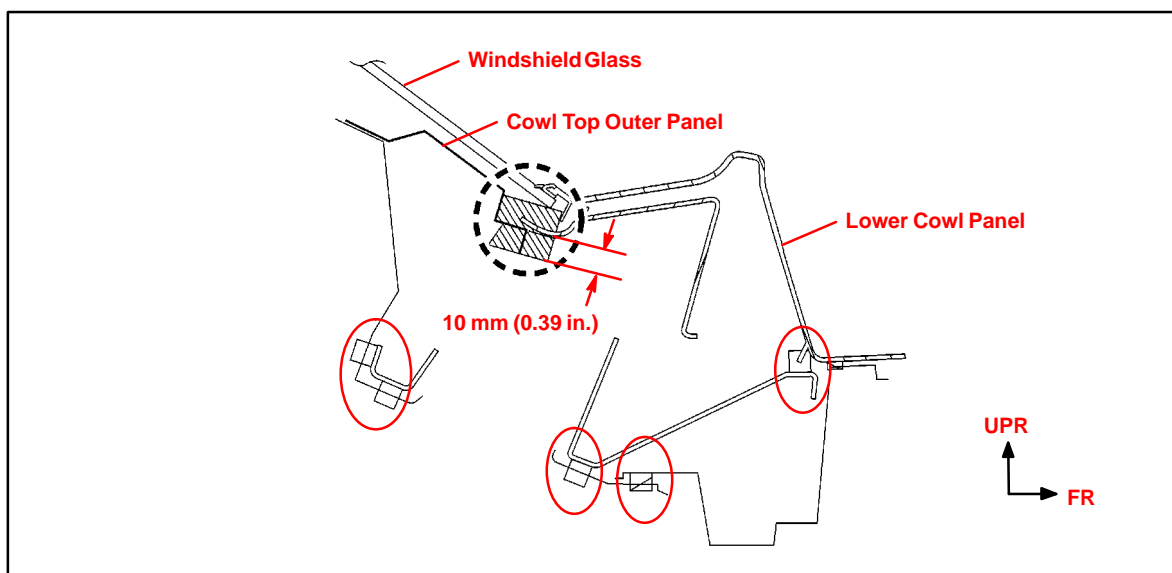


**Repair
Procedure**
(Continued)

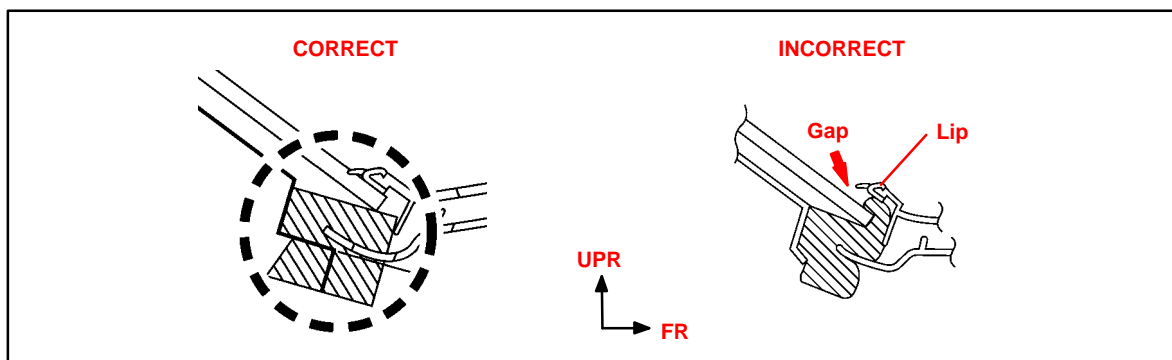
- A. Attach the end of the seal plate at 30 mm (1.18 in.) from the cut line (point A) toward the air conditioner vent duct.



- B. Make sure the lower part of the seal plate is 10 mm (0.39 in.) below the edge of the body as shown.

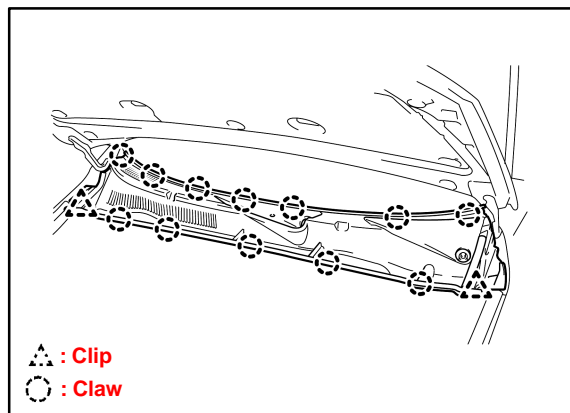
**NOTE:**

- Confirm that the lower cowl panel is properly installed and the seals are NOT damaged or deformed.
- Do NOT leave a gap between the lip and windshield glass.

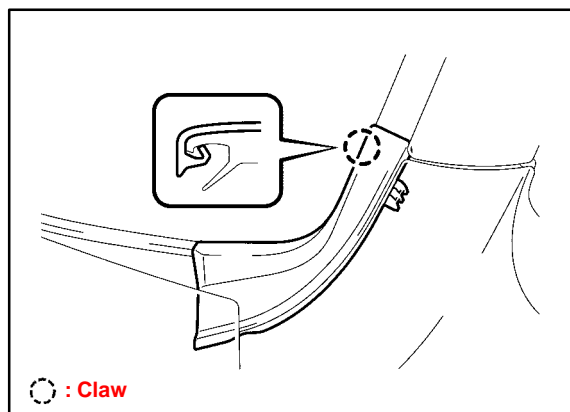


**Repair
Procedure**
(Continued)

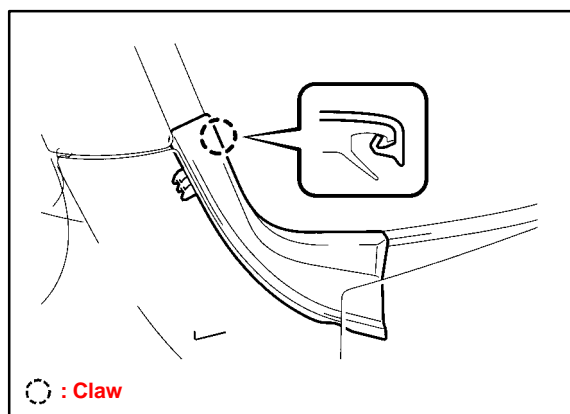
9. Install the cowl top ventilator louver.
 - A. Attach the 12 claws to install the louver.
 - B. Install the 2 clips.



10. Install the front fender to cowl side seal LH by attaching the claw.



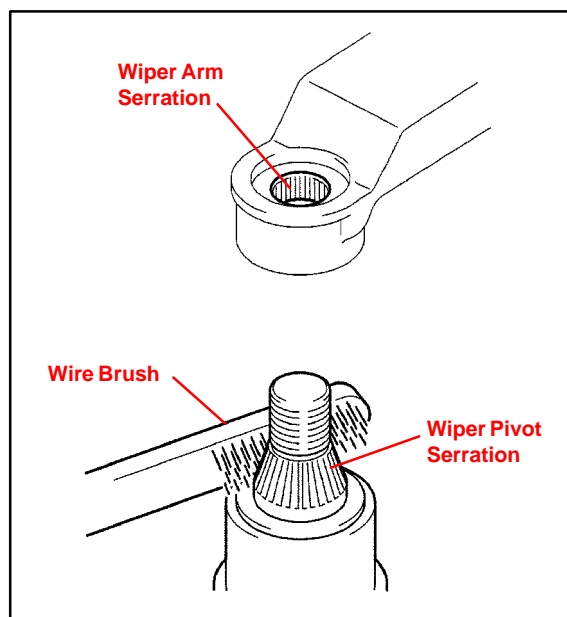
11. Install the front fender to cowl side seal RH by attaching the claw.



**Repair
Procedure**
(Continued)

12. Install the front wiper arm and blade assembly RH.

Clean the wiper arm and pivot serration with a wire brush.

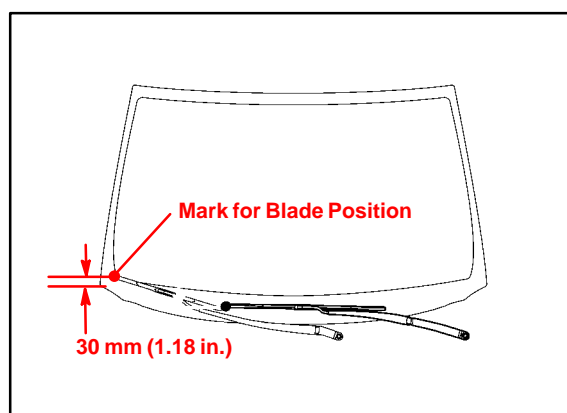


- C. Install the arm and blade with the nut. Make sure that the arm and blade come to the position shown in the illustration.

Torque: 21 N•m
(214 kgf•cm, 23 ft•lbf)

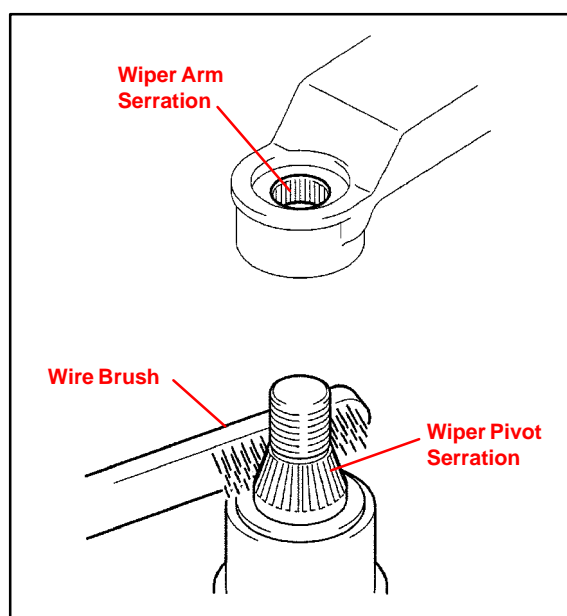
HINT:

Hold down the arm hinge while tightening the nut.



13. Install the front wiper arm and blade assembly LH.

- A. Clean the wiper arm and pivot serration with a wire brush.



**Repair
Procedure**
(Continued)

- B. Install the arm and blade with the nut. Make sure that the arm and blade comes to the position shown in the illustration.

**Torque: 21 N•m
(214 kgf•cm, 23 ft•lbf)**

HINT:

Hold down the arm hinge with your hand while tightening the nut.

- C. Operate the front wipers while spraying water or washer fluid on the windshield. Ensure that there is NO interference between the blades and A-pillar.
14. Install the front wiper arm head caps.
15. Connect the cable to the negative (–) battery terminal.
16. Confirm that the issue has been resolved by water testing.

