



**Technical Service
BULLETIN**

March 17, 2005

Title:

**FRONT COWL WATER LEAK
REPAIR PROCEDURE**

Models:

'05 Tacoma



REVISED

B0004-05

BODY

TSB REVISION NOTICE:

- April 25, 2005: Toyota Glass Cleaner has been added to Required Tools & Materials. Steps 2 and step 3 have been updated in the confirmation procedures for the front cowl seam leak and the lower front cowl seam leak (step 2: Toyota Glass Cleaner added, step 3: air intake selector should be set to Fresh instead of Recirculate). The previous TSB should be discarded.

Introduction Use the following field-fix procedure if water is present on the floor carpeting and it can be confirmed that the leak is from the front cowl seam.

- Applicable Vehicles**
- 2005 model year Tacoma vehicles.

Required Tools & Material

TOOLS & MATERIAL	PART NUMBER	QUANTITY
Kent Acrysol™ (24 oz. aerosol can) (or equivalent)*	60170	1
Kent High Tech™ Clear Seam Sealer (11 oz. cartridge)*	10195	1
Toyota Glass Cleaner (or soapy water)	00289-1GC00	1

*** NOTE:**

These parts can be obtained from the local Kent™ representative or from Kent™ nationally at 1-800-654-6333.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD5001	R & R Wiper Arms and Plastic Cowl Cover & Apply Seam Sealer (One Side)	1.5	55700-04300	66	55
Combo A	Other Side	0.5			

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.

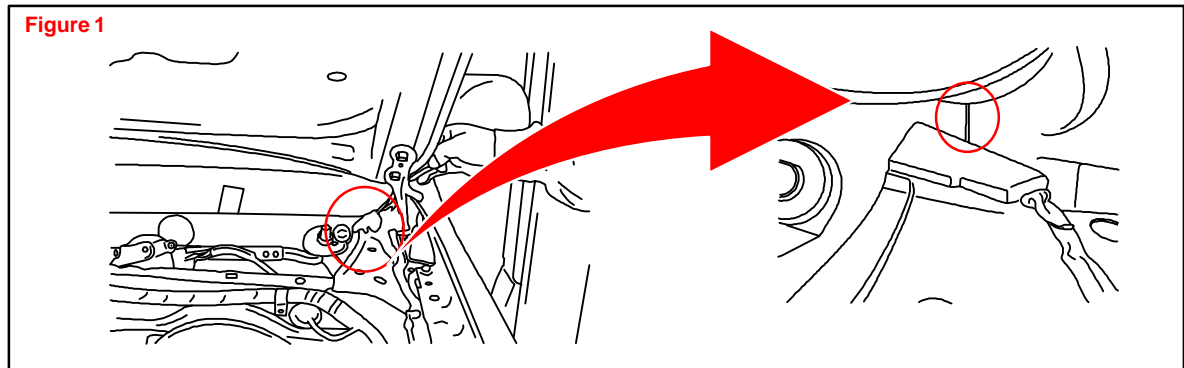


**Confirmation
Procedure for
Front Cowl
Seam Leak**

1. Remove wiper arms and plastic cowl cover.
For further removal instructions, refer to the Technical Information System (TIS): 2005 model year Tacoma Repair Manual: *Wiper & Washer: Windshield Wiper Motor Assy: Replacement.*
2. Locate the left and right front cowl seam and wet area with Toyota Glass Cleaner. Refer to Figure 1 for the location of the left front cowl seam.

NOTE:

Soapy water can be substituted for Toyota Glass Cleaner.



3. Turn the blower motor to the High setting and the air intake selector to Fresh and close all doors and windows on the vehicle.
4. Carefully, inspect the front cowl seam area for air bubbles.
 - If air bubbles are present, the front cowl seam leak has been confirmed.
 - If NO air bubbles are present, proceed to Confirmation Procedure for Lower Front Cowl Seam Leak on page 3 of this TSB.

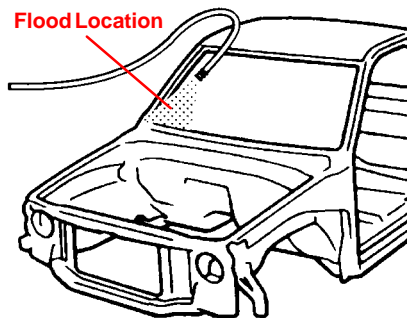
**Repair
Procedure for
Front Cowl
Seam Leak**

1. If a front cowl seam water leak has been confirmed, locate the left front cowl seam and clean with Kent Acrysol™ (or equivalent).
Follow the directions on the side of the can carefully.
2. Dry the open seam with compressed air prior to applying sealer.
3. Apply a small bead of seam sealer to the top side of the left front cowl seam as shown in Figure 1.
4. Repeat steps 1 – 3 for the right front cowl seam (if necessary).
5. Allow the seam sealer to dry according to the instructions on the package.

**Repair
Procedure for
Front Cowl
Seam Leak**
(Continued)

6. Once the seam sealer has dried, flood the cowl area with water to confirm that there are no front cowl seam leaks in the cab.

Figure 2



7. Carefully inspect the inside cab behind the flooring carpet and the brake pedal linkage for evidence of water leakage during the water leak check.
 - If NO leaks are found, the front cowl seam area repair is complete.
 - If leaks are still present, make sure the seam is filled completely with the seam sealer and retest with water.
8. Reinstall the plastic cowl cover and the wiper arms.

**Confirmation
Procedure
for Lower
Front Cowl
Seam Leak**

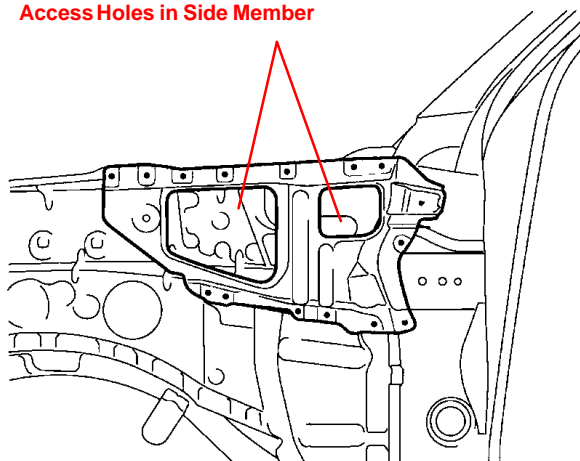
1. Remove front fender from affected side of vehicle.
2. Locate the lower front cowl seam through the two access holes in the side member and wet area with Toyota Glass Cleaner. Refer to Figure 3 for location of the access holes and lower front cowl seam.

NOTE:

Soapy water can be substituted for Toyota Glass Cleaner.

Figure 3

Access Holes in Side Member



3. Turn the blower motor to the High setting and the air intake to Fresh and close all doors and windows on vehicle.

**Confirmation
Procedure
for Lower
Front Cowl
Seam Leak**
(Continued)

4. Carefully, inspect the lower front cowl seam area for air bubbles. Confirm that the front cowl area and the lower front cowl area are thoroughly wet and the cab is sealed completely.
 - If air bubbles are present, the lower front cowl seam leak has been confirmed.
 - If NO air bubbles are present, repeat steps 1–3.

**Repair
Procedure
for Lower
Front Cowl
Seam Leak**

1. If a lower front cowl seam water leak has been confirmed, locate the lower front cowl seam through the access holes and clean with Kent Acrysol™ (or equivalent).
Follow the directions on the side of the can carefully.
2. Dry open seam with compressed air prior to applying sealer.
3. Apply a small bead of seam sealer to the entire lower front cowl seam.
4. Allow the seam sealer to dry according to the instructions on the package.
5. Once the seam sealer has dried, flood the cowl area with water to confirm that there are no lower front cowl seam leaks in the cab (refer to Figure 3 for flood location).
6. Carefully inspect the inside cab behind the flooring carpet and the brake pedal linkage for evidence of water leakage during the water leak check.
 - If NO leaks are found, the lower front cowl seam area repair is complete.
 - If leaks are still present, make sure the entire seam is completely filled with seam sealer and retest with water.
 - Reinstall the front fender, plastic cowl cover, and wiper arms.