

Authorized Field Change



AFC 02903

Date: July, 2002

Subject File: CAB

Subject: New Windshield Washer Solvent Reservoir for 73/74/7500 and 8500 Models Built Between May 28, 2001 and February 27, 2002

Truck Model: 7300

Start Date: 05/28/2001 End Date: 02/27/2002

Truck Model: 7400

Start Date: 05/28/2001 End Date: 02/27/2002

Truck Model: 7500

Start Date: 05/28/2001 End Date: 02/27/2002

Truck Model: 8500

Start Date: 05/28/2001 End Date: 02/27/2002

DESCRIPTION

The windshield washer reservoir used on 73/74/7500 and 8500 Models built between May 28, 2001 and February 27, 2002 will leak approximately 7 ounces of washer fluid out of the system when filled to capacity. The washer reservoir vent check valve (bobber) is not functioning correctly, allowing the leakage.

PARTS INFORMATION

Table 1 **Parts Information**

Part Number	Description	Quantity
8000829R91	Washer Reservoir Kit Contains: Washer Reservoir with Grommets, Fill and Vent Fittings (1) Vent Hose with Clip (1)	1

SERVICE PROCEDURE



WARNING – To prevent property damage and/or personal injury, park the vehicle on a flat surface, set the parking brake, chock the wheels, and turn the engine and ignition off.

1. Remove the top entry step on the drivers side (Figure 1).

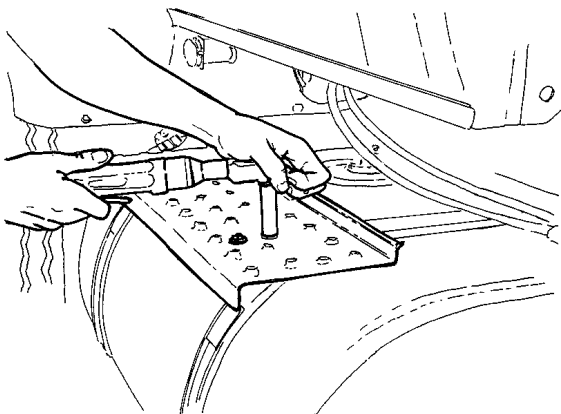


Figure 1 Remove Step

2. Disconnect the harness connectors from the windshield washer pump and fluid level sensor (Figure 2).

SERVICE PROCEDURE (CONT.)

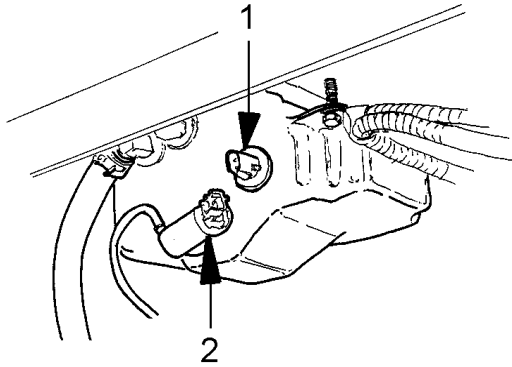


Figure 2 Washer Reservoir Pump and Sensor

1. FLUID LEVEL SENSOR
2. WASHER RESERVOIR PUMP

3. Cut the harness support tie straps and move the harness out of position for clearance.
4. Remove four (4) washer reservoir mounting bolts and move the washer reservoir out from under the cab (Figure 3).

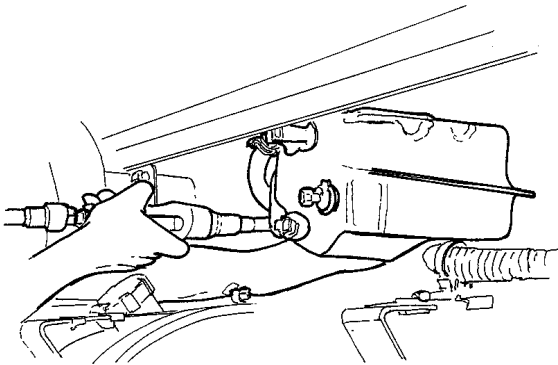


Figure 3 Remove Washer Reservoir Mounting Bolts

5. Remove the washer reservoir pump and hose (do not remove the hose from the pump)(Figure 4).

SERVICE PROCEDURE (CONT.)

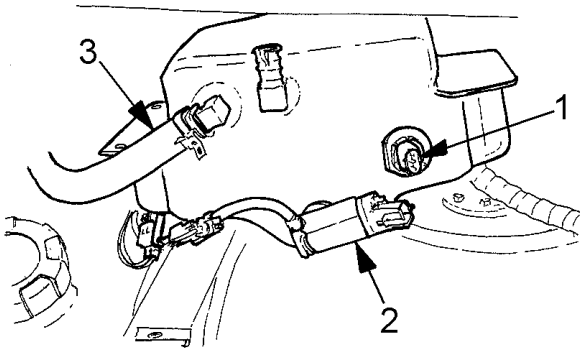


Figure 4 Remove Pump with Hose Attached

- 1. FLUID LEVEL SENSOR
- 2. WASHER RESERVOIR PUMP
- 3. WASHER RESERVOIR FILL HOSE

- 6. Remove the washer reservoir fill hose (Figure 4, Item 3).
- 7. Drain the windshield fluid from the washer reservoir into a clean container for reuse.
- 8. Remove the fluid level sensor for reuse in the new reservoir (Figure 4, Item 1).
- 9. Install the fluid level sensor into the new washer reservoir. The sensor must be oriented so that the flat on the sensor (Figure 5) aligns with the flat line molded on the washer reservoir (Figure 6).

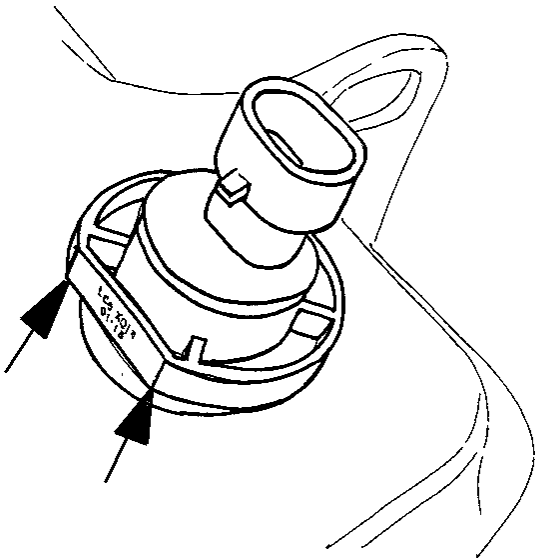


Figure 5 Flat Area on Sensor is Between Arrows

SERVICE PROCEDURE (CONT.)

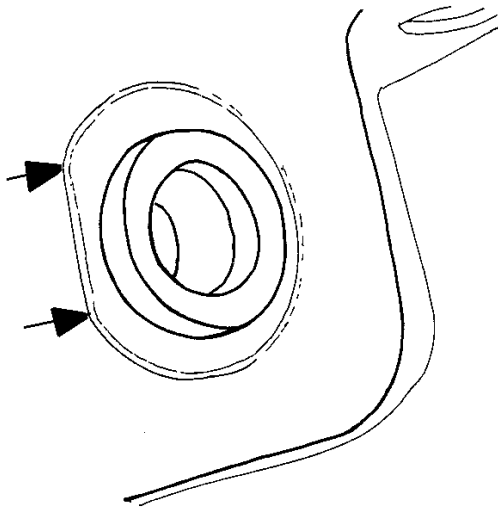


Figure 6 Flat Line Between Arrows Molded on Washer Reservoir

10. Locate and drill a 1/4 inch hole in the cowl tray that is 1 inch (25 MM) vertical from the bottom edge of the cowl tray (Figure 7, Item B) and 4 inches (100 MM) from the edge of the cowl tray on the drivers side of the vehicle (Figure 7, Item A).

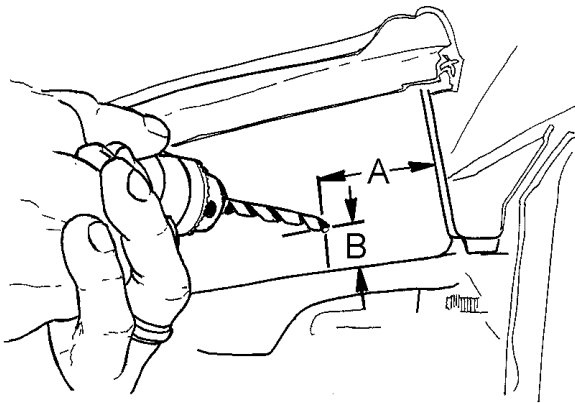


Figure 7 Drill Hole in Cowl Tray

- A. 4 INCHES (100 MM)
- B. 1 INCH (25 MM)

11. Clip the breather vent hose to the hole in the cowl tray (Figure 8).

SERVICE PROCEDURE (CONT.)

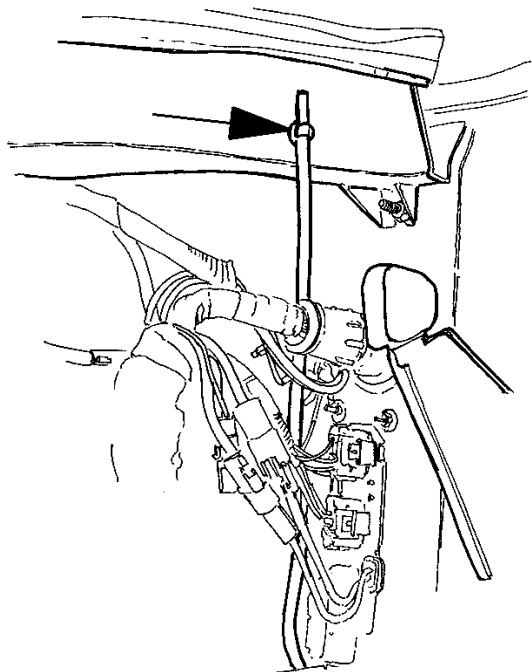


Figure 8 Clip Breather Vent Hose to Cowl Tray (at Arrow)

12. Route the breather vent hose down along the cab / fender area (Figure 8) then under the cab floor. Continue routing the hose through the hole in the floor reinforcement (Figure 9) and attach the hose to the vent on the new washer reservoir.

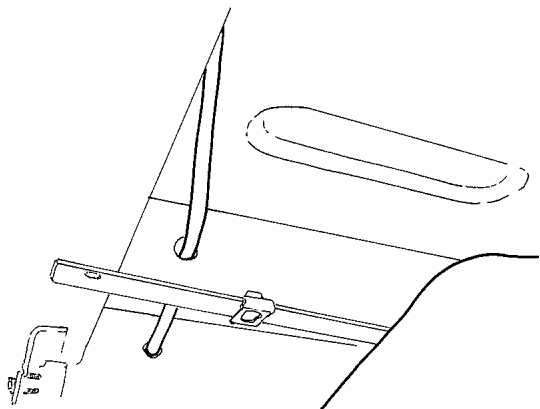


Figure 9 Hose Routing Through Hole in Reinforcement

13. Install the washer reservoir fill hose.

SERVICE PROCEDURE (CONT.)

14. Install the washer pump and hose assembly to the new washer reservoir.
15. Install the washer reservoir with the four (4) mounting bolts from Step 4 (Figure 3). Tighten to 14 Lbf-ft (19 Nm).
16. Reconnect the pump and sensor harness connectors to the new reservoir.
17. Secure the harness with tie straps.
18. Verify the breather hose has a upward slope (no slack) throughout the routing to the cowl tray. The breather hose can be pulled at the cowl tray clip to shorten the hose. Cut off any surplus and discard.
19. Reinstall the entry step. Tighten the bolts to 14 to 17 Lbf-ft (19 to 24 Nm).
20. Fill the washer reservoir.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-02903-1	Remove and Replace Windshield Washer Solvent Reservoir	0.6 Hr.

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-02903.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-02903 activity must be submitted by July 31, 2003 or within the normal warranty period for the vehicle, if after July 31, 2003.

GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter AFC number G—	NOUN Leave blank	C (CAUSE) Enter either 1, 2, 3. (see below)	WARRANTY (Warranty Code) Enter 40.	TYPE PART Enter P for type part causing failure.	PAD Enter 100
		1. Inspected (No repair required).			
		2. Inspected and repaired.			
		3. Defective part from parts stock.			

Distribution: All except J-81
Reproduction: Not required.

Figure 10