

Authorized Field Change

AFC G-07910

Date: November, 2007

Subject File: Engine

Subject: Upper Radiator Pipe

Model: ProStar

Start Date: 05/01/2006 End Date: 08/28/2007

DESCRIPTION

It has been determined that the upper radiator pipe can crack in the areas of the welded-on bracket. The cracking is caused by excessive stresses created by the welding process and/or assembly condition. The crack can result in a coolant leak. The repair is to replace the pipe with a new one that is secured to the engine with a separate bracket and U-clamp. The vehicle should first be inspected to see if this repair has already been made. If it has not, follow the instructions below to make the repair.

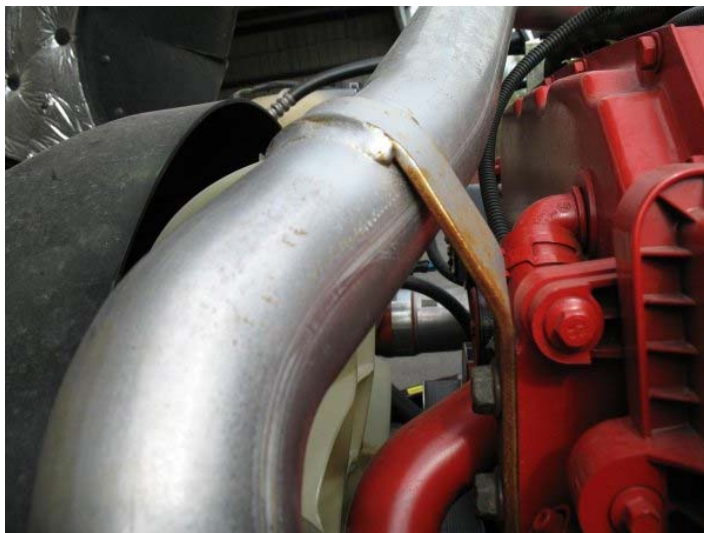


Figure 1

PARTS INFORMATION

Table 1

| Part number | Description | Quantity |
|-------------|--------------------|-------------------|
| 8000893R91 | Recall Service Kit | 1 kit per vehicle |
| 3625914C2 | Pipe | 1 per vehicle |
| 26164R1 | O-Ring (if needed) | 1 per vehicle |

Please note, you only need one kit per engine.

SERVICE PROCEDURE

! WARNING – To prevent personal injury or death, make sure the engine is in neutral or park, parking brake is set, and wheels are blocked before doing diagnostic or service procedures on engine or vehicle. Read all safety instructions in the SAFETY INFORMATION section of the service manual for this engine.

! WARNING – Make sure the engine has cooled down before removing any components.

1. Drain the cooling system into a clean container so coolant can be reused — low enough to remove pipe (approximately 3 gallons).
2. Loosen upper hose clamp.



Figure 2

3. Remove the two bolts from the bracket holding the radiator pipe to the front of the engine.
4. Remove the two nuts from the studs that attach the radiator pipe to the thermostat housing.

SERVICE PROCEDURE (CONT.)



Figure 3

5. Remove the pipe from the engine taking care to note that there is an O-ring between the pipe and thermostat housing. This O-ring should remain in the groove in the thermostat housing. Sometimes this O-ring will stick to the pipe. If the O-ring is undamaged and can be reused, install it back in the groove in the thermostat housing.



Figure 4

REASSEMBLY

1. Install new bracket to the front of the engine reusing the two bolts that were removed with the old pipe. Torque bolts to 34–42 Lbf-ft (47–58 N•M).



Figure 5

2. Loosen the nuts on the U-clamp and let it loosely hang in the bracket.
3. Slide the new pipe through the U-clamp and into the radiator hose.

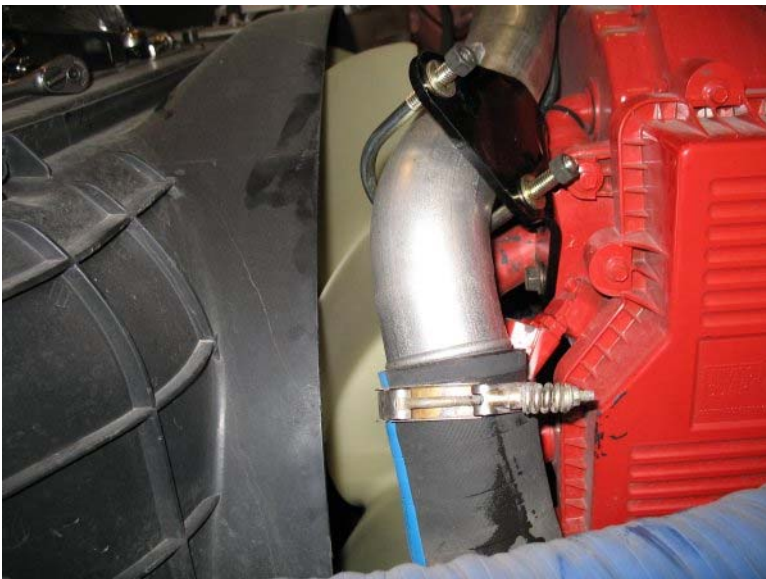


Figure 6

4. Make sure the O-ring is in place in the thermostat housing.

REASSEMBLY (CONT.)

5. Slide the radiator pipe down over the studs in the thermostat housing and HAND TIGHTEN the nuts so that the pipe is loose enough to make sure the pipe rests against the clamp on the front of the engine.
6. Tighten the nuts on the U-clamp while making sure that the end of the pipe fits squarely on the thermostat housing and the pipe rests against the bracket.
7. Torque the nuts on the U-clamp to 21–29 Lbf-ft (28–39 N•M).



Figure 7

8. Tighten the nuts that hold the radiator pipe to the thermostat housing and torque them to 21–23 Lbf-ft (29–32 N•M).

REASSEMBLY (CONT.)



Figure 8

9. Tighten the hose clamp on the bottom end of the radiator pipe to 50 inch pounds (6 N•M).



Figure 9

10. Make sure that there is at least 1/2" of clearance between the radiator hose and radiator stay rod.

REASSEMBLY (CONT.)

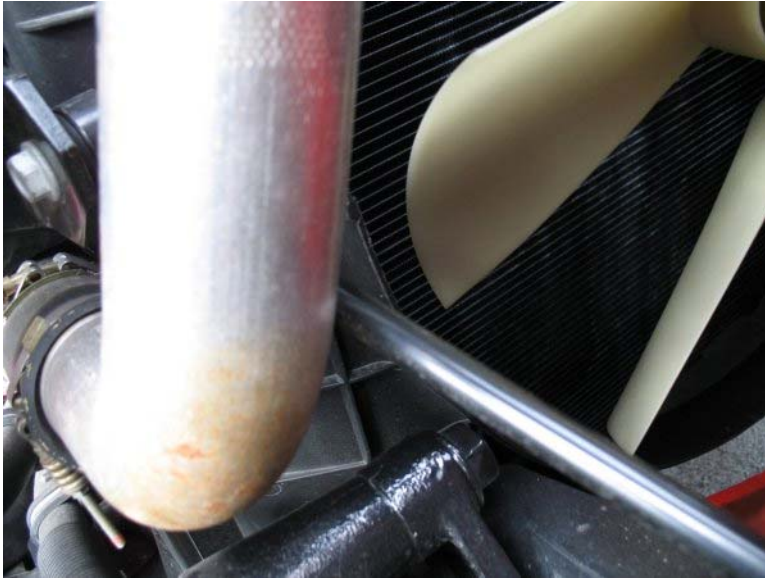


Figure 10

11. Re-install the clean coolant back into the cooling system.
12. Start the engine and check for leaks.

Operation number must appear on all claims.

Table 2 Labor Information

| Operation No. | Description | Time |
|---------------|--------------|---------|
| A40-07910-1 | Inspect only | 0.2 Hr. |
| A40-07910-2 | Replace | 0.7 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-07910.

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-07910 activity must be submitted by November 30, 2008 or within the normal warranty period for the vehicle, if after November 30, 2008.

| GROUP | NOUN | C | WARR. | TP | PAD |
|-----------------------|------------------|---|------------------------------------|--|---------------|
| GROUP Enter 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. | | | |

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