

Authorized Field Change



AFC G-05905

Date: ENGINE

Subject File: May, 2005

Subject: 9200i, 9400i, and 9900i Models Built with Cummins ISX Engines may have an Incorrect Diameter Spring in the Lower Radiator Hose

Truck Model: 9200i

Start Date: 06/01/2004 End Date: 08/30/2004

Truck Model: 9400i

Start Date: 06/01/2004 End Date: 08/30/2004

Truck Model: 9900i

Start Date: 06/01/2004 End Date: 07/15/2004

DESCRIPTION

Certain 9000i Models with Cummins ISX engines may have an undersized spring in the lower radiator hose which can migrate to the water pump and cause damage.

SERVICE PROCEDURE



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



WARNING – To avoid personal injury allow the coolant to cool sufficiently before performing this Service Procedure.

1. Release the coolant system pressure.
2. Locate the lower radiator hose (Figure 1)

SERVICE PROCEDURE (CONT.)

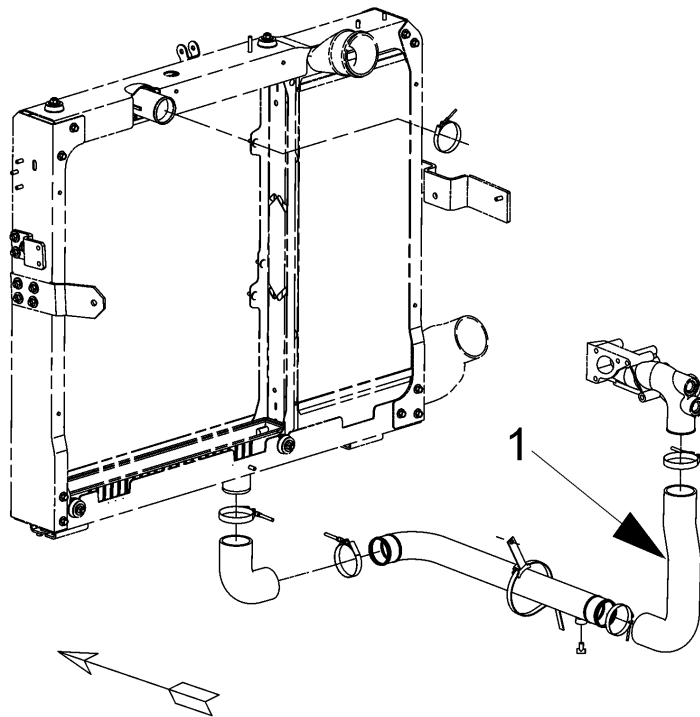


Figure 1 Lower Radiator Hose

1. Lower Radiator Hose

3. At Point B in Figure 2 grasp the lower radiator hose with your hand and determine if you can detect the spring inside the hose. The bottom end of the spring must extend at least 12 inches from Point A (top of hose).
 - A. If the spring end position is 12 inches or greater from Point A, go to Step 4.
 - B. If the spring bottom end position is less than 12 inches from Point A, go to Step 5 and complete Steps 5–8.

SERVICE PROCEDURE (CONT.)

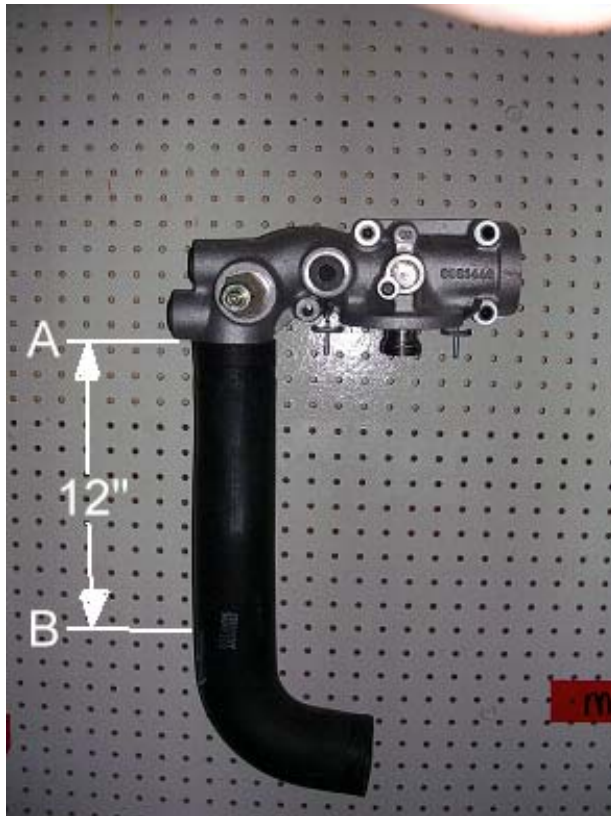


Figure 2 Spring Location

4. Grasp the lower radiator hose as shown in Figure 3 and compress the hose approximately 1 inch (Figure 3, B-B) over a hose length of approximately 2 inches (Figure 3, A-A) to deform the spring inside the hose.

SERVICE PROCEDURE (CONT.)



Figure 3 Compress Hose to Deform Spring

NOTE – Perform Steps 5 to 8 only if the spring end position is less than 12 inches from Point A in Figure 2.

5. Drain the radiator coolant into a suitable, clean container and remove the lower radiator hose.
6. Reposition the spring inside the hose to agree with Step 3, Item A.
7. Re-install the lower radiator hose and perform Step 4.
8. Refill the radiator with coolant and check for leaks.

Operation number must appear on all claims.

Table 1 Labor Information

Operation No.	Description	Time
A40-05905-1	Inspect and Adjust Spring	0.3 Hr.
A40-05905-2	Inspect, Drain/Refill Coolant, Relocate and Adjust Spring	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-05905.

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-05905 activity must be submitted by May 31, 2006 or within the normal warranty period for the vehicle, if after May 31, 2006.

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.			

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

Figure 4