

Authorized Field Change



AFC G-03906

Date: October, 2003

Subject File: ENGINE

Subject: 8600 Models with Cummins ISM 2002 Emission Engines, Built Between August 1, 2002 and February 3, 2003, Require Inspection and May Require Replacement of the Air Cleaner Hose Clamp

Vendor: Cummins

Truck Model: 8600

Start Date: 08/01/2002 End Date: 02/03/2003

DESCRIPTION

8600 Models with Cummins ISM 2002 emission engines, built between August 1, 2002 and February 3, 2003, require inspection and may require replacement of the air cleaner hose clamp. Vehicles will also require inspection for proper clearance between the charge air cooler pipe and the cold air side air cleaner pipe (Figure 1).

PARTS INFORMATION

Table 1 **Parts Information**

Part Number	Description	Quantity
576183C1	Hose Clamp	1

SERVICE PROCEDURE



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



WARNING – To avoid personal injury from burns, allow the engine to cool sufficiently before attempting this procedure.

SERVICE PROCEDURE (CONT.)

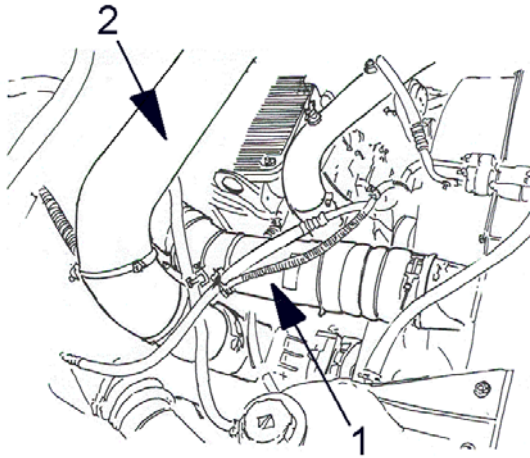


Figure 1 Piping Layout

1. CHARGE AIR COOLER PIPE
2. COLD AIR SIDE AIR CLEANER PIPE

1. Inspect the hose clamp closest to the air cleaner for the type shown in Figure 2. If the hose clamp type agrees with Figure 2, continue with this procedure. If the hose clamp is **not** a spring loaded type, this procedure is **not required**.

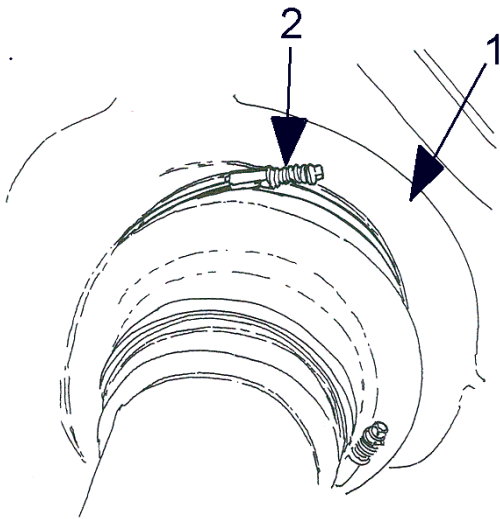


Figure 2 Replace Hose Clamp

1. AIR CLEANER
2. SPRING LOADED HOSE CLAMP

2. Remove the spring loaded hose clamp, adjacent to the air cleaner, by unscrewing the hex bolt enough to separate the metal band (Figure 2).

SERVICE PROCEDURE (CONT.)

3. Install new hose clamp, Part Number 576183C1, by unscrewing the hex bolt, separating the metal band, and reassembling the hose clamp around the air cleaner hose (Figure 3). Tighten the hose clamp.

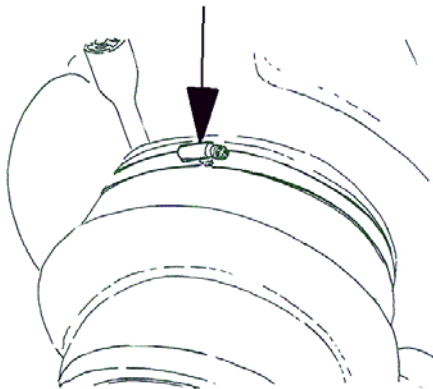


Figure 3 Install New Hose Clamp (Arrow)

4. Inspect the charge air cooler pipe and cold air side air cleaner piping for a minimum of 3/4 inch clearance as shown in Figure 4. If clearance is needed, continue to the next Step.
5. Make sure the air cleaner cold air side pipe does not have both lower end beads pushed into the rubber elbow leading into the turbocharger. If it does, loosen the clamp and pull the pipe out of the elbow until one bead sets just above the rubber elbow. Retighten the clamp.
6. Loosen the hose clamps on the charge air cooler piping and the air horn on the engine.

NOTE – It may be necessary to use a screwdriver or equivalent to separate (loosen) the rubber couplings in the charge air cooler piping in order to rotate the pipe for clearance in Step 7.

7. Grasp the charge air cooler pipe that runs below the air cleaner pipe and turn it counterclockwise, approximately 25 degrees from horizontal, to increase the clearance with the air cleaner pipe (Figure 4).

SERVICE PROCEDURE (CONT.)

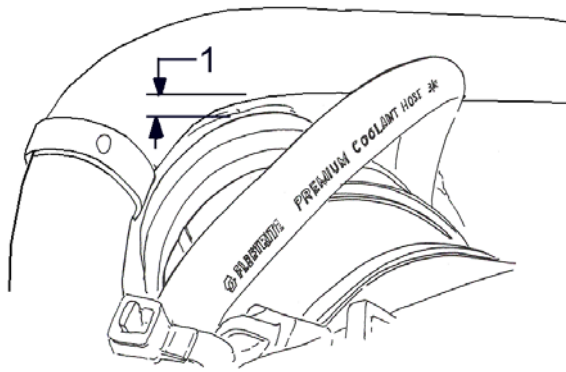


Figure 4 Clearance Between Air Cleaner Pipe and CAC Pipe

1. 3/4 INCH MINIMUM

8. Retighten the charge air cooler piping hose clamps to 70 to 75 Lbf-In (7.9 to 8.5 Nm).

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-03906-1	Inspect, Remove and Replace Air Cleaner Hose Clamp, Inspect and Reposition Charge Air Cooler Pipe	0.5 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-03906.

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-03906 activity must be submitted by October 31, 2004 or within the normal warranty period for the vehicle, if after October 31, 2004.

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 5