

Authorized Field Change



AFC 12903

Date: April 2012

Subject File: ENGINE

Subject: TitanX Charge Air Cooler (CAC) Hose

Model: PayStar® models equipped with TitanX cooling package

Start Date: 08/11/2011 End Date: 12/19/2011

Engine Family: MaxxForce® 13

DESCRIPTION

The CAC hose may fail prematurely during vehicle operation on certain PayStar® models (See Figure 1, page 2). This CAC hose is used on PayStar® MaxxForce® 13 engine cooling modules equipped with dual-CAC systems. This AFC contains instructions to replace the original hose assembly with the current service part assembly P/N 2608804C2 which consists of a CAC hose assembly.

DESCRIPTION (CONT.)



Figure 1 Burst CAC Hose

PARTS INFORMATION

Table 1 [Parts Information](#)

Part Number	Description	Quantity
2608804C2	CAC hose assembly	1

PROCEDURE



WARNING – To prevent vehicle damage, personal injury or death, park the vehicle on a flat, level surface. Make sure the engine ignition is in the off position, and the transmission is in neutral or in the park position, if the vehicle is equipped with an automatic transmission. Set the parking brake, block the wheels to prevent the vehicle from moving in both directions, and disconnect the batteries at the negative terminal before doing any service procedures on the vehicle.



WARNING – To prevent personal injury or death, always wear safe eye protection when performing vehicle maintenance.



WARNING – To prevent personal injury or death, make sure that the engine has cooled before removing components.



WARNING – To prevent personal injury or death, do not let engine fluids stay on your skin. Clean skin and nails using hand cleaner and wash with soap and water. Wash or discard clothing and rags contaminated with engine fluids.

CAUTION – No lubricant inside the hose is permitted. Lubricant inside the hose can cause the hose to slip when it is under turbocharged air pressure.

1. Remove the two hose clamps from the CAC hose and remove the CAC hose.
2. Slide the hose assembly (2608804C2) on to the hot CAC (engine side) (See Figure 2, page 4).

PROCEDURE (CONT.)

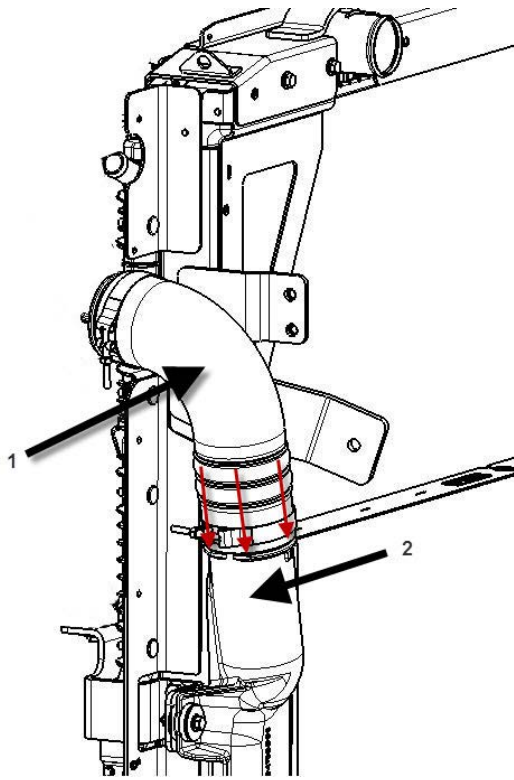


Figure 2 Sliding Hose Assembly onto the Hot CAC

1. Hose assembly
2. Hot CAC

3. Insert un-mounted cold CAC (grill side) into hose assembly (2608804C2) (See Figure 3, page 5).

PROCEDURE (CONT.)

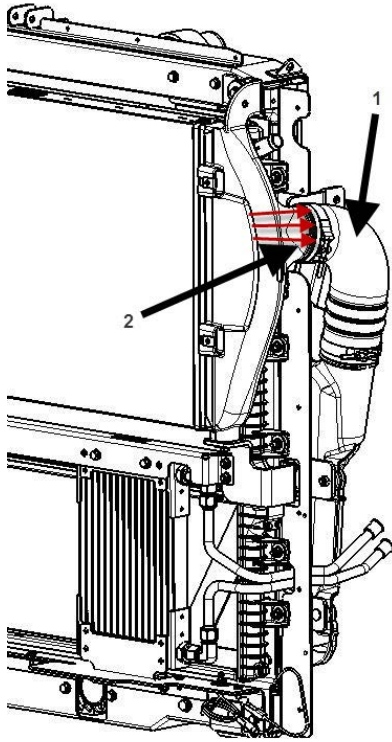


Figure 3 Installing Cold CAC into Hose Assembly

1. Hose assembly
2. Cold CAC

4. Tighten the two hose clamps to 70.8 in-lb (8 N•m) (See Figure 4, page 6).

PROCEDURE (CONT.)

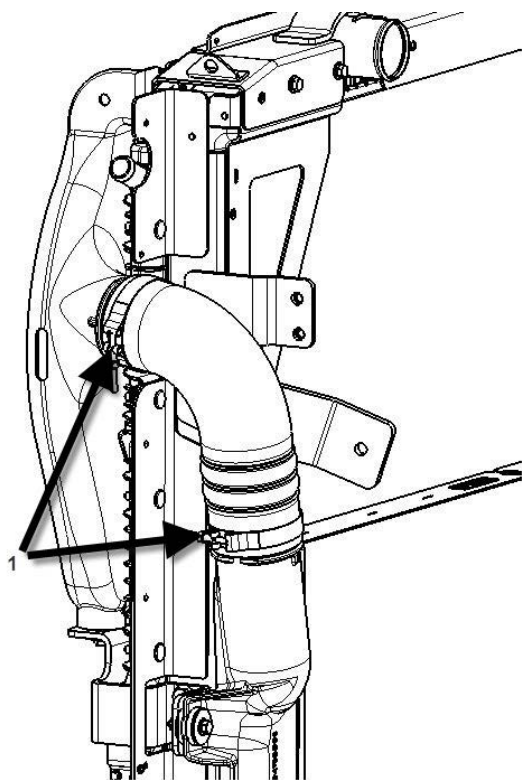


Figure 4 Tightening Hose Clamps

1. Hose clamps

NOTE – Make sure hose exhibits stiffness/rigidity after proper installation.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-12903-1	Replace CAC hose and clamps	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-12903.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submission, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (bag of cable tie straps, roll of wire, barrel of oil, tube of silicone, etc.) should be prorated for the cost of the individual pieces/amount used during each repair.

To assure this important improvement is made in a timely manner, all claims for G-12903 activity must be submitted by April 30, 2013 or within the normal warranty period for the vehicle, if after April 30, 2013.

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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