



Vehicle Owner Notification

To: All Dealers

From: Kristin May
Warranty Department

Subject: VON # 84 SAF-T-Liner HDX Turbo Coolant Line Replacement.

Date: 09/20/2013

Enclosed are copies of the customer notification letter and the repair procedure for customers who have purchased certain Thomas Built Bus Type D HDX units with CNG engines. Thomas has determined that the fitting and/or hose located on the top of the engine could crack.

This is a universal notification sent to all dealers. You may or may not have customers in your area affected by this notification. If owners in your area are involved, we have enclosed a listing of those customers. If you have a printout and any of the units on it is still in your possession, or if you have a unit in for service, it is your responsibility to ensure the repair is performed before the unit is delivered to the customer.

Please refer to the attached repair producer. Also read the warranty portion of the repair procedure. Codes to be used on your claim are found on the repair procedure. **You will need to order your parts for this VON directly through your local Parts Distribution Center.**

PLEASE NOTE: THIS VON WILL EXPIRE 12 MONTHS FROM THE RELEASE DATE.

Kristin May

Thomas Built Buses, Inc.

To: BIRMINGHAM CITY BRD OF EDUCATI
From: Kristin May
Subject: VON 84 A SAF-T-LINER HDX TURBO COOLANT LINE REPLAC
Date: September 2013

Dear Thomas Customer:

Our records indicate that you purchased the following unit(s) listed below. Thomas has determined that the fitting and/or hose located on the top of the engine could crack.

We strongly recommend that you perform the necessary repair work to your unit(s). Please contact your local Thomas dealer to arrange for the repairs to be made. You can find your local Thomas dealer at www.thomasbus.com.

Order#	Chassis#	Body#	Vin
49143	86911	1130836	1T7YU4F27C1149143
49144	86912	1130849	1T7YU4F29C1149144
49145	86913	1130852	1T7YU4F20C1149145
49146	86914	1130853	1T7YU4F22C1149146
49147	86915	1130860	1T7YU4F24C1149147
49148	86916	1130868	1T7YU4F26C1149148

Total Units : 6



Because every mile matters.™



Subject: Saf-T-Liner HDX 90 degree elbow and fitting replacement

Date: 09/20/2013

This section is intended to provide general guidance for replacing fitting and elbow at the turbo connection.

1) Make sure the ignition is in the "Off" position. Chock the tires and disconnect the batteries.

2) Locate hose above the top Constant torque clamp. Clamp off this hose before removing elbow. (Figure 1)

3) Locate the elbow that is located near the turbo on the Cummins CNG engine. It will have a Constant torque clamp on each end and then there will be one on other side of fitting. Loosen the one at the entrance to engine and the one that is on other side of fitting using a 5/16 socket. Remove and discard fitting, (Elbow hose if installing new one) and all three constant torque clamps. (See Figure 1 for location of clamps and which ones to loosen and discard)

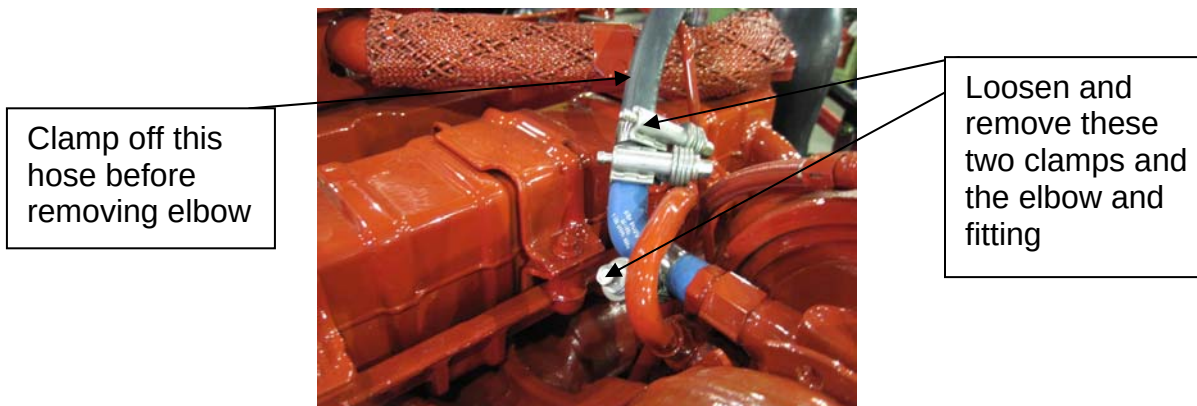


Figure 1

4) Install new fitting into the elbow hose. Next install and loosely tighten new Constant torque clamps on each end of Elbow. See Figure 2 for how this assembly should look.

REPAIR PROCEDURE



Figure 2

5) Remove old constant torque clamp from hose that other end of fitting was inserted and put new clamp onto that hose. Insert new fitting in this hose from elbow and push other end down on fitting on engine.

6) Turn constant torque clamps so that the nut is facing you. Tighten down each one using 5/16 socket. (Do not exceed 55 in-lbs. on these clamps) Verify that all of the constant torque clamps will not rub against any of the metal hoses on the engine. If it will then readjust clamp head to different location.

7) Verify that all clamps are tightened and secure as well as verify that the fitting that is attaching elbow and hose is inserted correctly.

8) Connect the batteries and remove the tire chocks.

Warranty

If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 1](#) for OWL VMRS codes and labor allowance information. Enter this VON number in the Service Bulletin #: field.

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
164346	042-002-143	03	174-6794A	Remove hose and fitting and replace	.20

Table 1, OWL VMRS Codes and Labor Allowance

Component List:

Group A

	REPLACEMENT PARTS	
Part #	Qty.	Description
TBB 164347	1	ELBOW-SILICONE,3/8"
TBB 61360911	1	HOSE CONNECTOR, 3/8 BARBED
TBB 61190688	3	CLAMP,CONSTANT TORQUE,7/16"-25/32"

Group B

	REPLACEMENT PARTS	
Part #	Qty.	Description
TBB 164347	1	ELBOW-SILICONE,3/8"
TBB 183973	1	HOSE CONNECTOR, 3/8" to 1/2"
TBB 61190688	3	CLAMP,CONSTANT TORQUE,7/16"-25/32"

Group C

	REPLACEMENT PARTS	
Part #	Qty.	Description
TBB 61360911	1	HOSE CONNECTOR, 3/8 BARBED
TBB 61190688	3	CLAMP,CONSTANT TORQUE,7/16"-25/32"

Group D

	REPLACEMENT PARTS	
Part #	Qty.	Description
TBB 183973	1	HOSE CONNECTOR, 3/8" to 1/2"
TBB 61190688	3	CLAMP,CONSTANT TORQUE,7/16"-25/32"