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Major System: COOLING **Created:** 12/17/2018
Current Language: English **Last Modified:** 12/18/2018
Other Languages: NONE **Author:** Brandon Akridge
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Coding Information

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Title: CE Propane/Gas Bus coolant hose kink

Applies To: CE Bus with a Propane/Gas engine

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

12/17/2018 - Initial Article Release

DESCRIPTION

This document will guide the user through on correcting a potential issue with a coolant hose on CE Buses with PSI engines.

SYMPTOM(s)

SES light on for Mechanical System Not Responding or Out of Adjustment//Engine Coolant Temperature. Also poor heater performance inside the bus.

SPECIAL TOOL(s) / SOFTWARE

None required

SERVICE PARTS INFORMATION

Kit Description	Part Number	Notes
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		Quantity Required	
FITTING, 45 DEG 3/4 MPT X 1.0 HOSE CONN	864454R1	1	
CLAMP,PIPE TEE ETC, SGL- CUSHIONED 1-1/2 X .406 MTG	299276c91	1	

DIAGNOSTIC STEP(s)

Step	Action	Decision
#1	DIAGNOSTIC: Is the bus experiencing poor heater performance or engine coolant light on?	Yes. Check for hose kinks and proceed to step #2.
		No. This iKnow is not applicable.

Step	Action	Decision
#2	DIAGNOSTIC: Is your coolant hose kinked like in figure #1? You may have to remove the hose loom to reveal the kink.	Yes. Proceed to Repair Section
		No. Search for other iKnow documents.



Figure # 1: Engine coolant supply hose

Item 1: Hose kink

Item 2: Double clamp

REPAIR STEP(s)

REMOVAL PROCEDURE:



Figure # 2: Hose kink on supply line

Item 1: Straight pipe fitting

Item 2: Loom

Item 3: Double clamp

Item 4: Hose clamp

1. Turn off coolant supply valve connected to straight pipe fitting (item 1) shown in Figure 2
2. Clamp off coolant line approximately 5" to the right of the double clamp (item 3) in Figure 2
3. Remove double clamp from supply and return lines and discard

4. Pull back loom as far as needed
5. Loosen hose clamp, item 4, and slide up hose for later use
6. Remove hose from straight fitting (note: coolant will come out the end of the hose, so a small bucket may be useful)
7. Remove straight fitting and discard

INSTALLATION PROCEDURE:



Figure #3: Updated hose routing

Item 1: 45 degree fitting
Item 2: loom
Item 3: single clamp
Item 4: hose clamp

1. install new 45 degree fitting as shown in Figure 3
2. install hose onto new 45 degree fitting, please note that the hose may need to be shortened to optimize the fit
3. slide hose clamp back down into position and tighten
4. reinstall loom cover over the hose, it may need trimming also
5. Install single clamp to return line only in place of the previously removed double clamp
6. Hose routing should look similar to Figure 3. Supply valve can be reopened and line clamp remove.

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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