



TECHNICAL SERVICES INFORMATION BULLETIN

TSIB 21-05, rev A		06/02/2021
TO:	All operators	
TITLE:	Coolant Hump Hose Replacement	
APPLICABILITY:	Model Year 2017-2021 J4500 coach model: 67759 - 69938 Model Year 2019-2021 J3500 coach model: 21000 - 21085 Model Year 2017-2020 D4X0X coach model: 14197 – 15920 Model Year 2019-2021 D45CRT-LE coach model: 81000 – 81099 Model Year 2020 D4520 coach model: 81084, 81085	

WARNING

Read this entire procedure before beginning work.

Use Safe Shop Practices at All Times.

To avoid personal injury:

- a. Proper Personal Protective Equipment (PPE) must be worn. Safety glasses and protective gloves are required for working with DEF Fluid.*
- b. Turn the main battery disconnect switch to the OFF position.*
- c. Ensure that both the front and the rear wheels are chocked.*
- d. Position the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.*
- e. Allow enough time for components to cool down prior to working in the engine compartment.*



1.0 Description

This bulletin is to inform of part number supersession of the coolant hump hose, MCI P/N: 6L-8-353, to 06-08-2262. Detailed location of the hose(s) for each coach model and engine configuration is shown below.

2.0 Material requirements

Refer to Sections 4.1, 5.1, 6.1, 7.1, 8.1, 9.1 and 10.1.

If an order was placed for 6L-8-353, you will automatically receive the new 06-08-2262 hose from NFI parts.

3.0 Special tools

No special tools required.

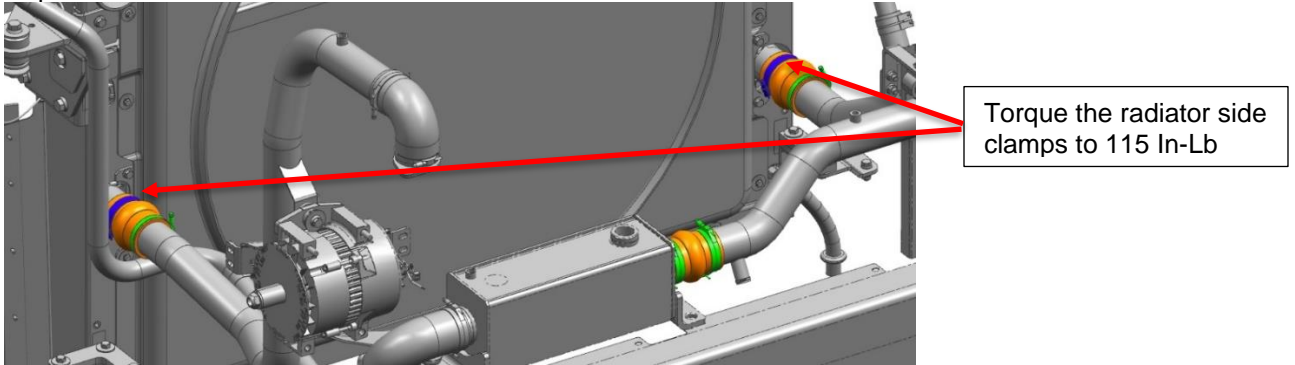
4.0 Hose replacement on J4500 coaches equipped mechanical cooling fan

4.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	3	EA	Hose-Hump Coolant

4.2 Coaches equipped with ISX engine

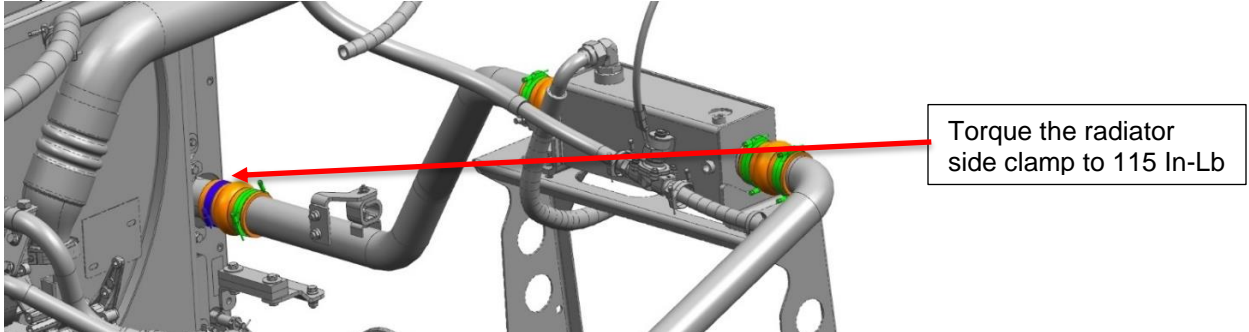
Replace the two hoses connected to the radiator and the hose connected to the trans cooler.



After installing the new hose, torque the two radiator side clamps to 115 In-Lb and the remaining six clamps to 13 In-Lb

4.3 Coaches equipped with DD13 engine

Replace the two hoses connected to the trans cooler and the hose connected to the radiator.



After installing the new hose, torque the one clamp on the radiator to 115 In-Lb and the remaining ten clamps to 13 In-Lb.



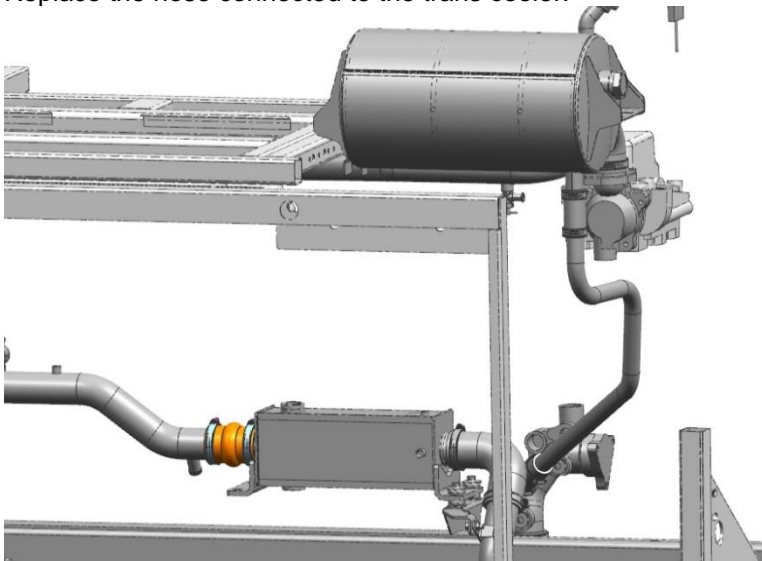
5.0 Hose replacement on J4500, J3500 and D45CRT-LE coaches equipped electrical cooling fan

5.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	1	EA	Hose-Hump Coolant

5.2 Coaches equipped with ISX engine

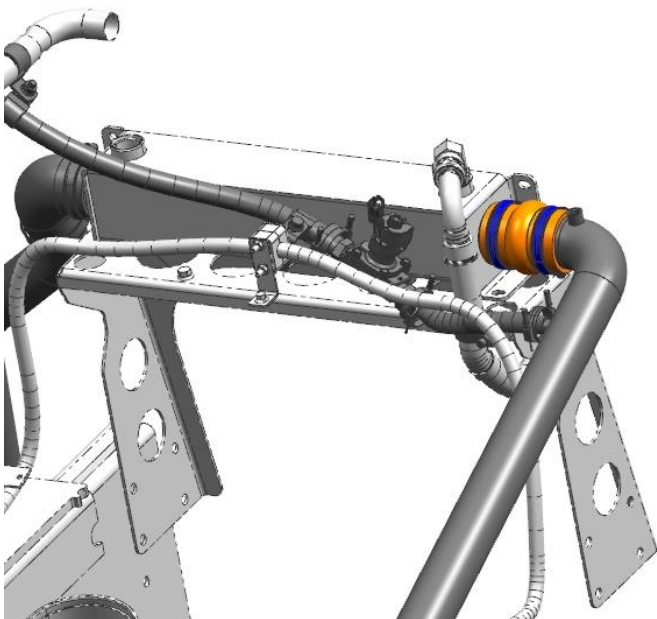
Replace the hose connected to the trans cooler.



After installing the new hose, torque the clamps to 105 In-Lb.

5.3 Coaches equipped with DD13 engine

Replace the hose connected to the trans cooler.



After installing the new hose, torque the clamps to 105 In-Lb.



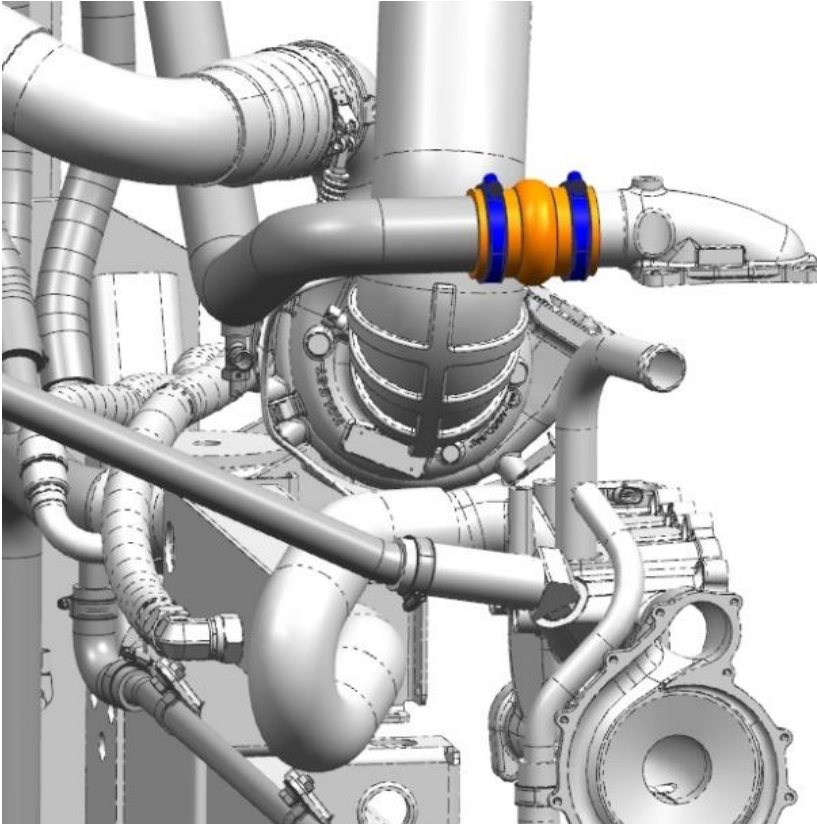
6.0 Hose replacement on J4500, D4520 and D45CRT-LE coaches equipped with Cummins X12 engine

6.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	1	EA	Hose-Hump Coolant

6.2 Coaches equipped with ISX engine

Replace the hose connected to coolant pipe.



After installing the new hose, torque the clamps to 105 In-Lb.



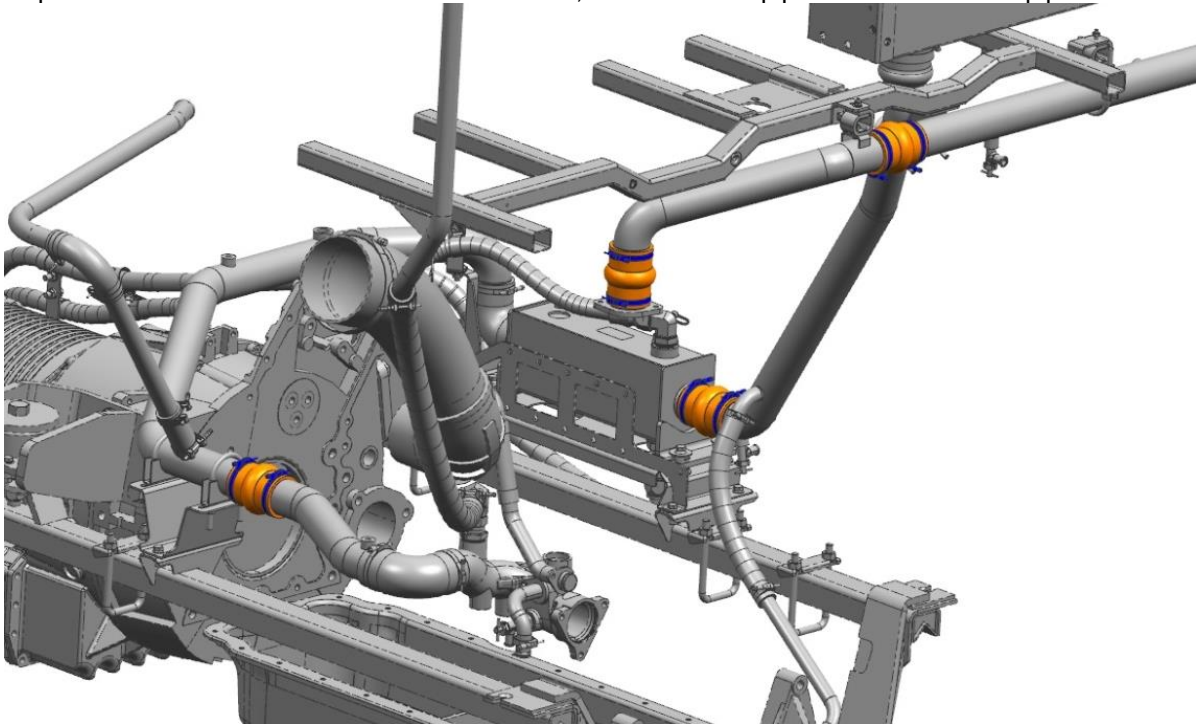
7.0 Hose replacement on DX0X coaches equipped with mechanical cooling fan and Cummins ISX CNG engine

7.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	4	EA	Hose-Hump Coolant

7.2 Hose replacement

Replace the hoses connected to the trans cooler, coolant return pipe and radiator inlet pipes.



After installing the new hose, torque the clamps to 13 In-Lb



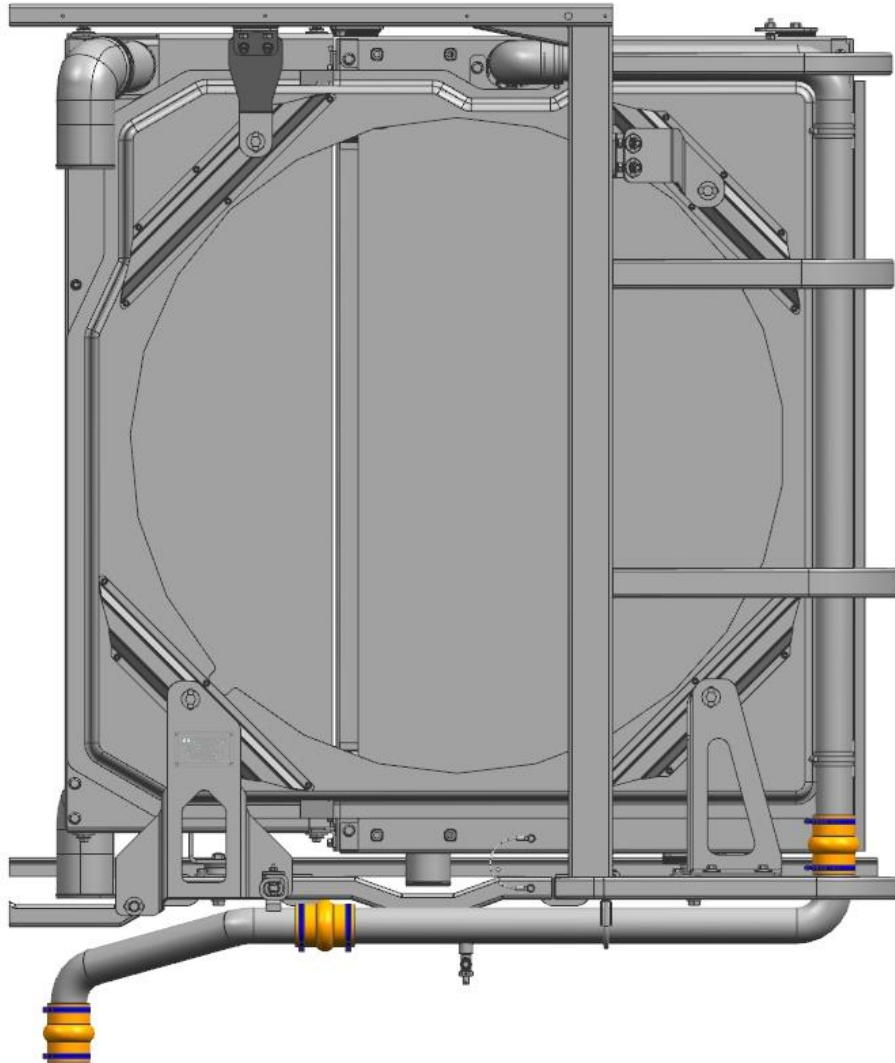
8.0 Hose replacement on DX0X coaches equipped with mechanical cooling fan and Cummins ISX diesel engine

8.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	3	EA	Hose-Hump Coolant

8.2 Hose replacement

Replace the hoses connected to the radiator inlet pipes.



After installing the new hose, torque the clamps to 13 In-Lb



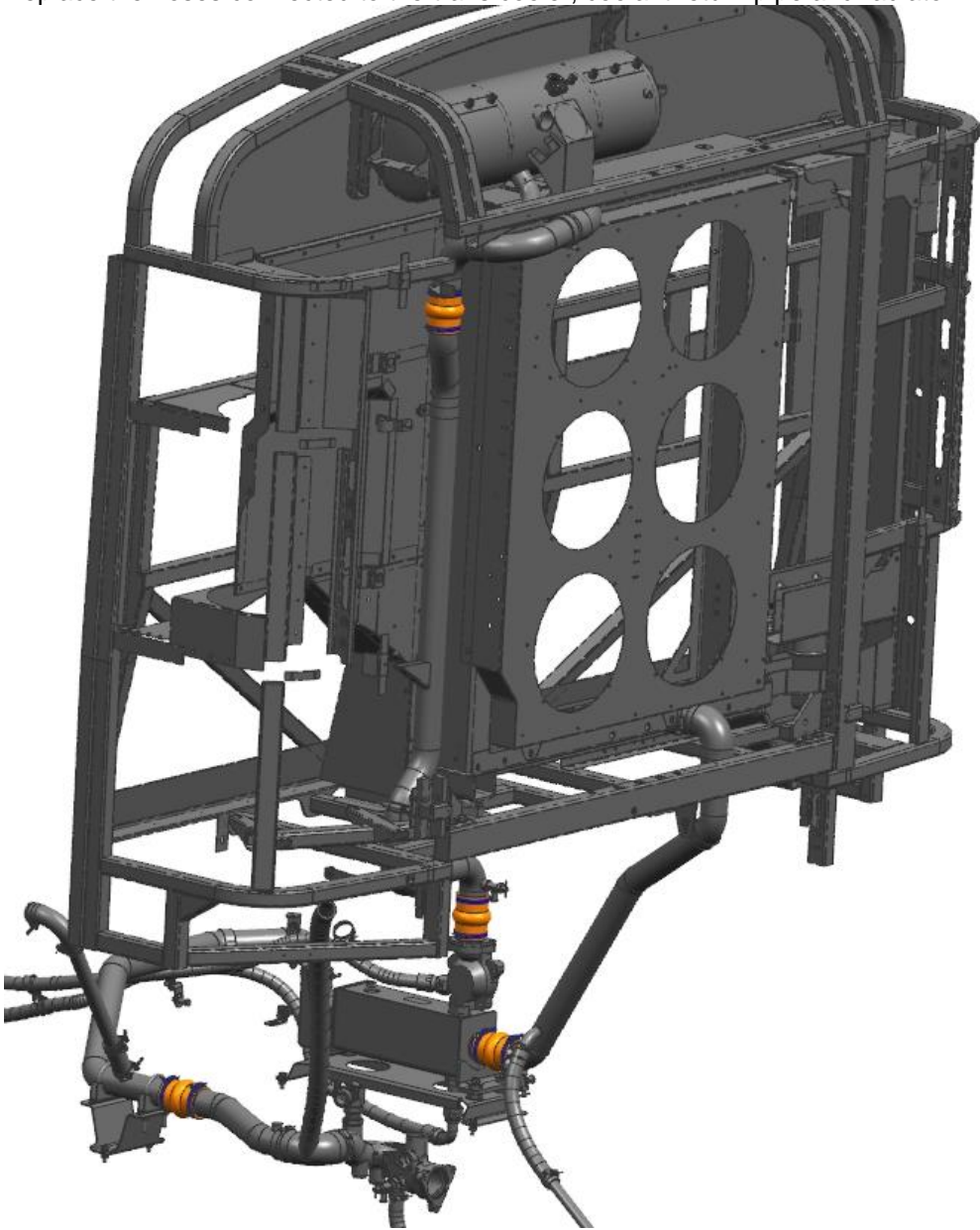
9.0 Hose replacement on DX0X coaches equipped with electrical cooling fan and Cummins ISX diesel/CNG engine

9.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	4	EA	Hose-Hump Coolant

9.2 Hose replacement

Replace the hoses connected to the trans cooler, coolant return pipe and radiator inlet pipes.



After installing the new hose, torque the clamps to 13 In-Lb



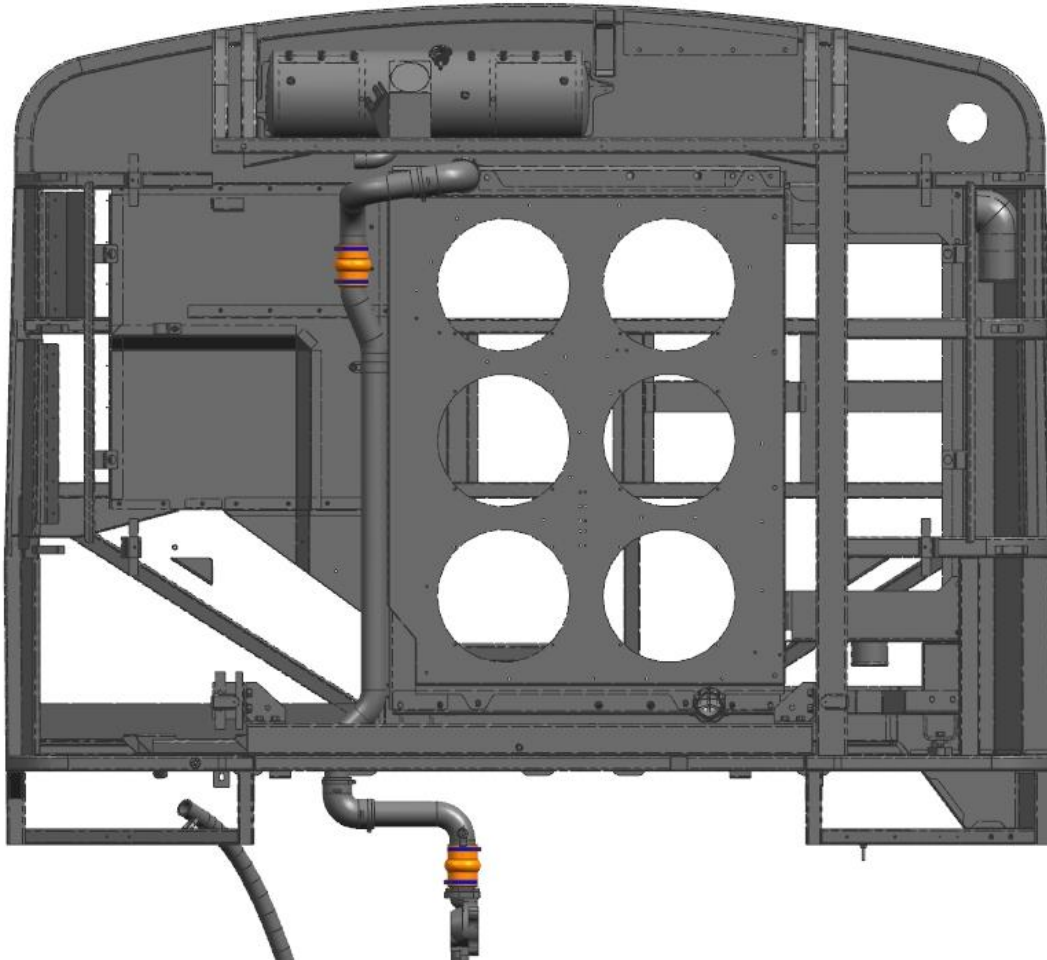
10.0 Hose replacement on DX0X coaches equipped with Cummins X12 engine

10.1 Material requirements

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	06-08-2262	2	EA	Hose-Hump Coolant

10.2 Hose replacement

Replace the hoses connected to the radiator inlet pipes.



After installing the new hose, torque the clamps to 13 In-Lb.

If you have questions, or need further assistance, please contact the MCI Technical Call Center @ 1-800-241-2947