

TSIB 21-02		19-Apr-2021
TO:	All Xcelsior Operators with a Modine Engine Coolant Radiator	
TITLE:	Possible Modine Radiator Fan Harness Routing Pinch Point	
APPLICABILITY:	All Xcelsior's built between 01-Jan-2018 and 01-Feb-2021 with a Modine engine coolant radiator.	

New Flyer has observed instances where the radiator fan power harness can be pinched potentially causing damage to the wires of the harness. This issue may appear on any New Flyer Xcelsior Buses with an Modine engine coolant radiator built between 01-Jan-2018 and 01-Feb-2021. It is recommended that customers inspect this harness for possible pinching at the next service interval on affected buses. Details on location of the pinch point and criteria can be found below.

1. Open the radiator access door and inspect the radiator fan wiring harness where it passes through the recirculation shield as shown below.

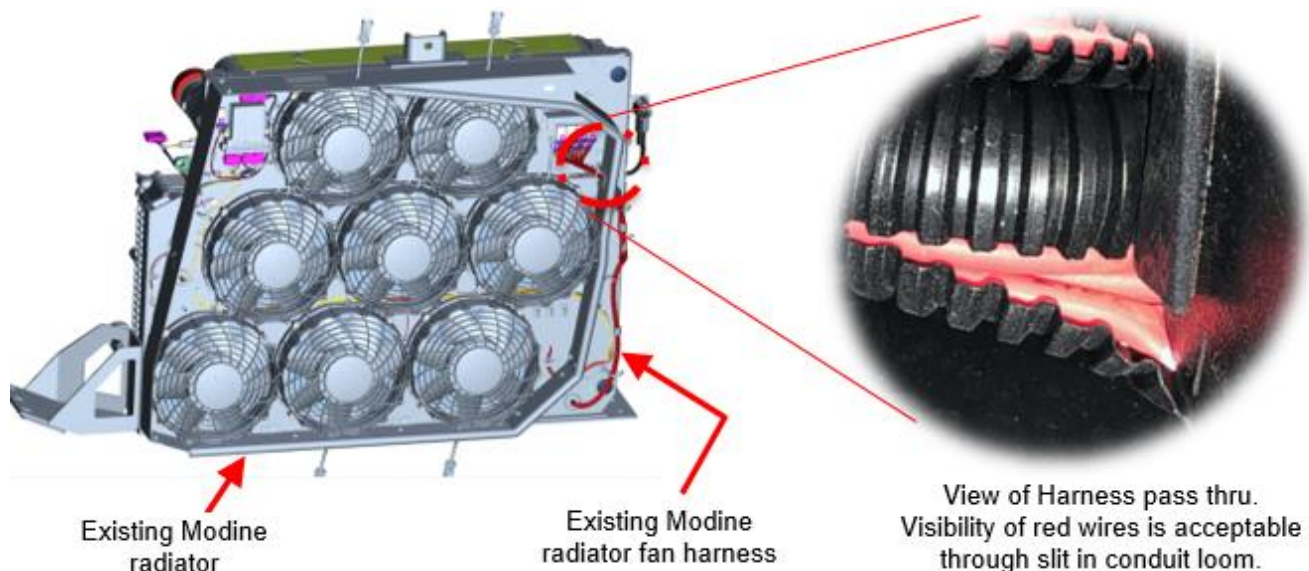


Figure 1: Radiator Fan Harness Potential Pinch Location

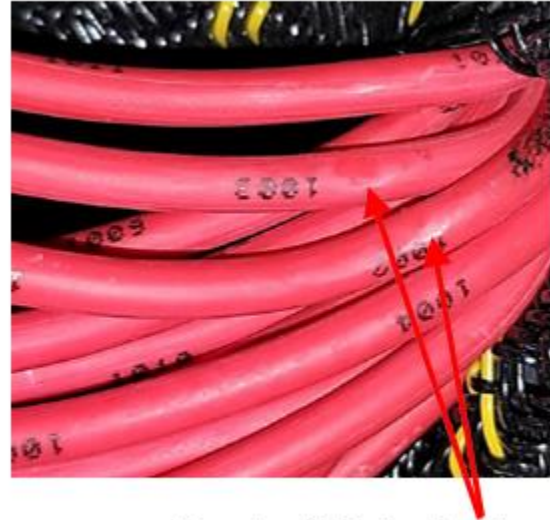
2. If any of the red wire(s) are pinched between the steel recirculation shield and the main shroud the recirculation shield should be removed to allow for further inspection. See Figure 2 for damage criteria. If



harness fails the criteria the harness will need to be replaced, contact your local Modine distributor to have the harness replaced. If the harness passes the criteria, then reinstall the recirculation shield and put bus back in service.



Pinched harness showing exposed copper through the insulation, or severely pinched wires must be replaced.



Example of light abrasion shown is acceptable to red wire insulation

Figure 2: Radiator Fan Harness Failure Criteria

Direct all inquiries regarding this bulletin to:

Laszlo Juhasz
Technical Services Manager

P 256.241.1234
laszlo_juhasz@newflyer.com
New Flyer