



INSTRUCTION TO SERVICE

ITS: 59161		01-Feb-2021
SECTION:	273-Exterior Lighting	
WRITTEN BY:	Mike Pearson	
SUBJECT:	Inspect and install headlamp harness assembly as required.	
ISSUE:	Too high of a current draw at a low voltage supply creating too much heat.	
SUMMARY:	Add new harness assembly to limit high voltage draw condition.	

ITS-59161

THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE NEW FLYER PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.

PROCEDURE:

1. Set park brake and chock wheels.
2. Turn the main battery disconnect switch to the "OFF" position.
3. Locate and open the exterior wiper motor and defroster access doors.
4. Locate and open the interior LH lower panel access door.

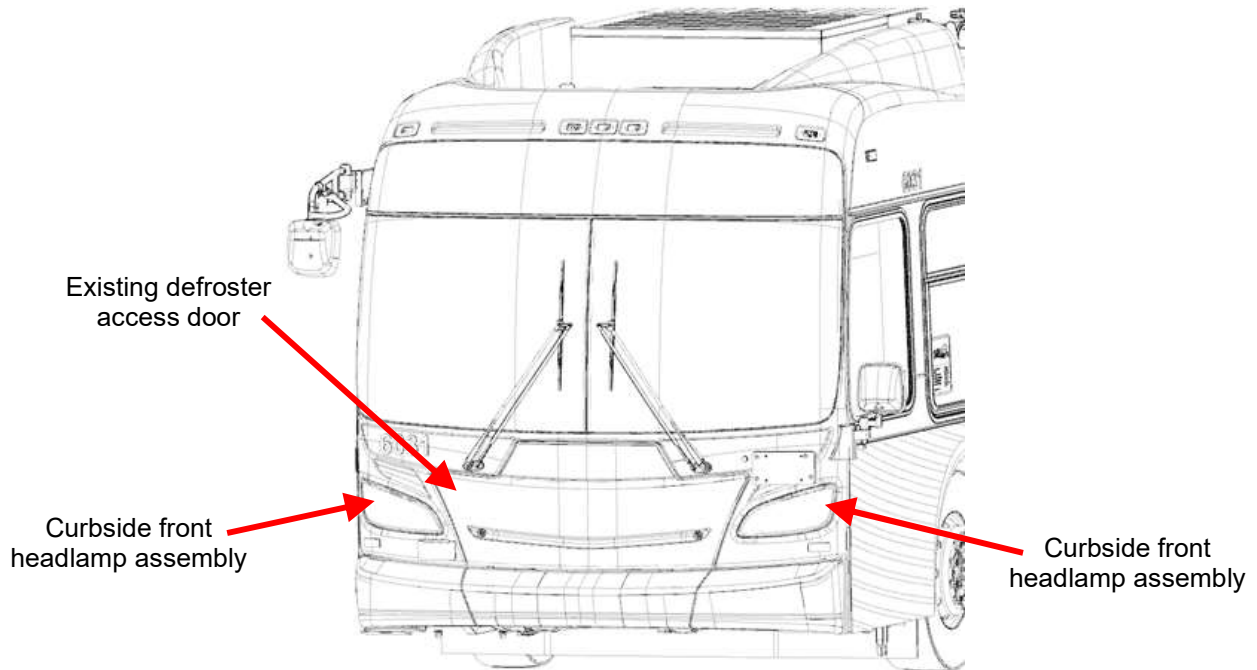


Figure 1: Headlamp Assembly and Defroster Access Door Locations

5. Inspect the date stamp on the existing curbside and street side headlamp assemblies, an inspection mirror may be needed to view the date stamp location, see Figure 2 for date stamp location.
6. If the headlamp assembly date stamp is between 26-June-2019 and 14-October-2020 a new headlamp harness will need to be installed.

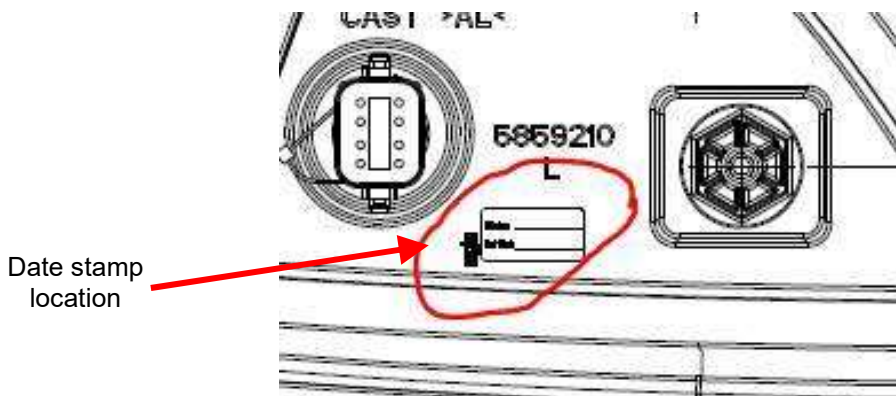


Figure 2: CS and SS Headlamp Assembly Date Code Location

7. Disconnect the street and curb side headlamp assembly harnesses from the main dash harness.

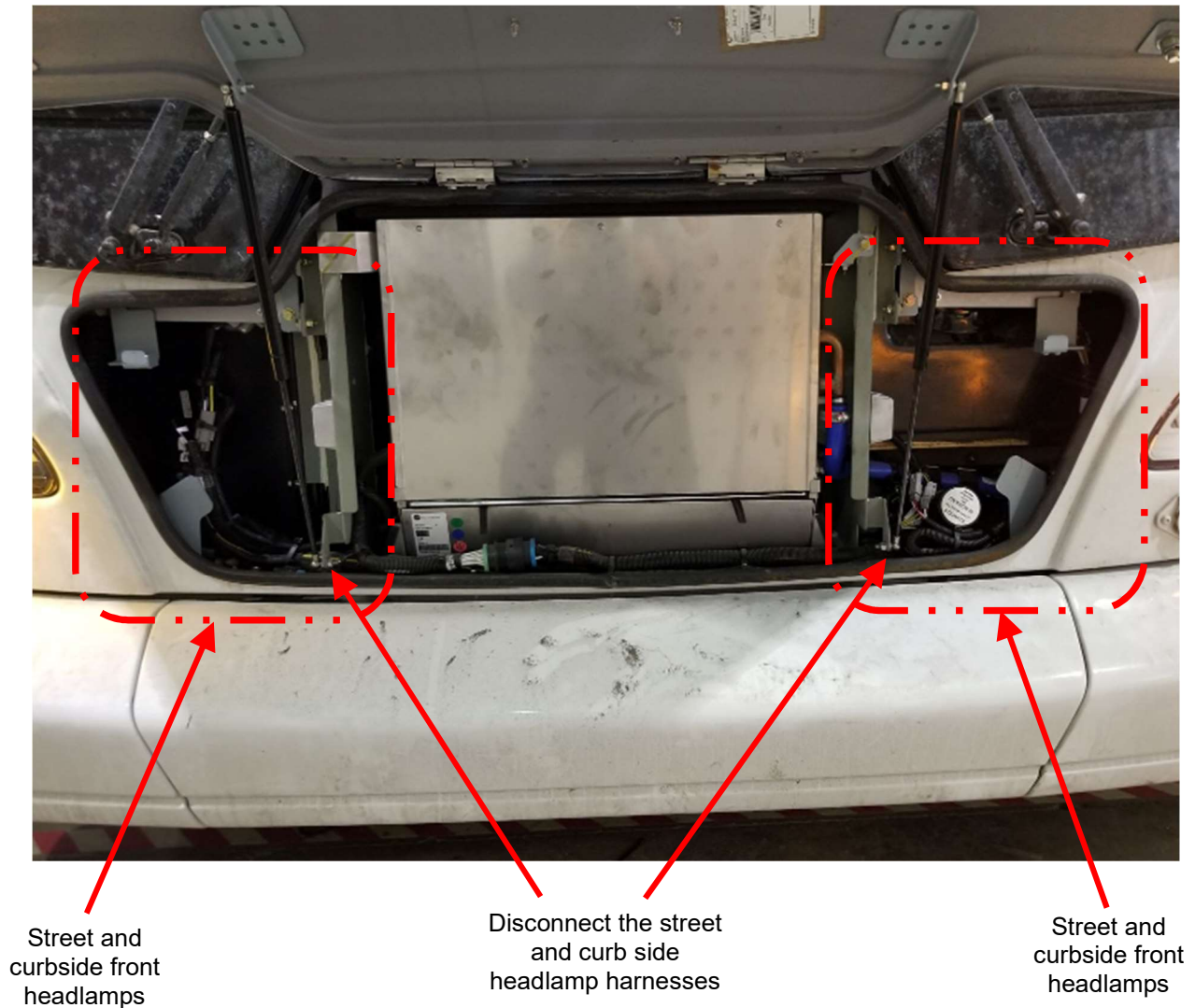


Figure 3: CS and SS Headlamp Assembly Adapter/Main Harness Location

⚠ WARNING: When drilling into the driver's defroster frame wall, a drill stop gauge set to max. ½" depth must be used to avoid damaging the driver's defroster.

8. Position and orient the converter from the streetside headlamp harness assembly (part of Kit p/n 6487018) at position shown in Figure 4 and using the converter holes as a template drill a 0.177 dia clearance hole (#16 drill bit) thru the outer driver's defroster frame, typ 2 plcs. Secure converter to the frame using supplied # 8 (x2) hardware (part of Kit p/n 6487018) as shown.
9. Connect the appropriate end connector of the new streetside harness assembly to the headlamp assembly adapter harness and the other to the main dash harness.
10. Secure to the loose harness to existing hoses or structure as needed using tyrap (part of Kit p/n 6487018).

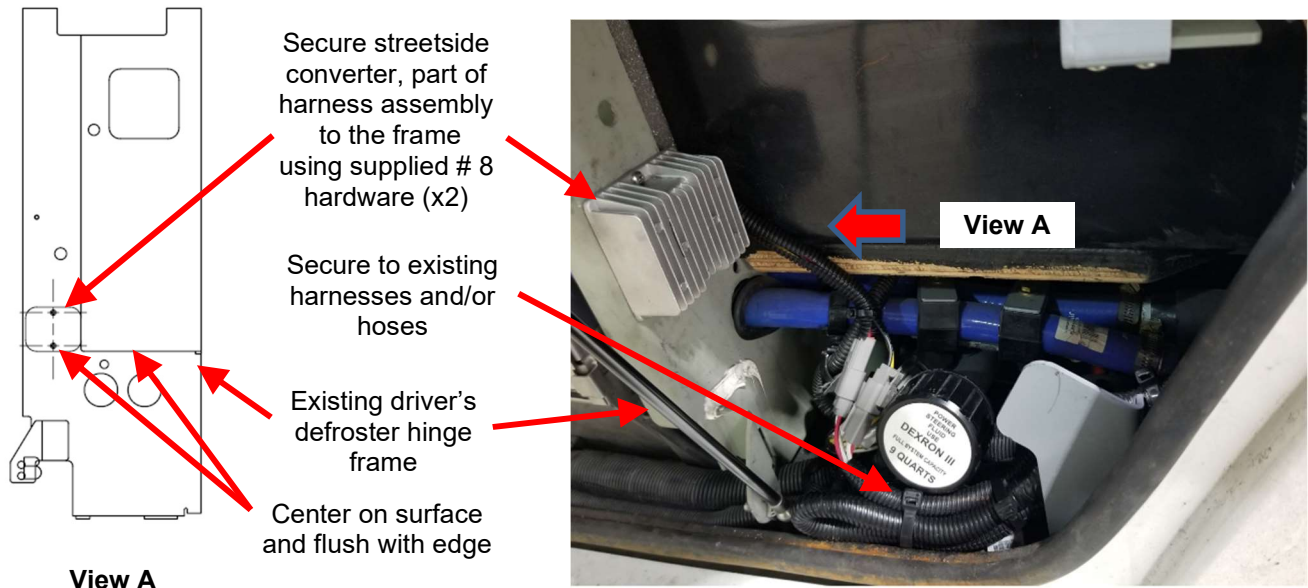


Figure 4: Streetside Headlamp Assembly Harness and Converter Installation

11. Position and orient the converter from the curbside headlamp harness assembly (part of Kit p/n 6487018) at position shown in Figure 5 and using the converter holes as a template drill a 0.177 dia clearance hole (#16 drill bit) thru the outer driver's defroster frame, typ 2 plcs. Secure converter to the frame using supplied # 8 (x2) hardware (x2) (part of Kit p/n 6487018) as shown.
12. Connect the appropriate end connector of the new curbside harness assembly to the headlamp assembly adapter harness and the other to the main dash harness.
13. Secure to the loose harness to existing hoses or structure as needed using ty straps (part of Kit p/n 6487018).

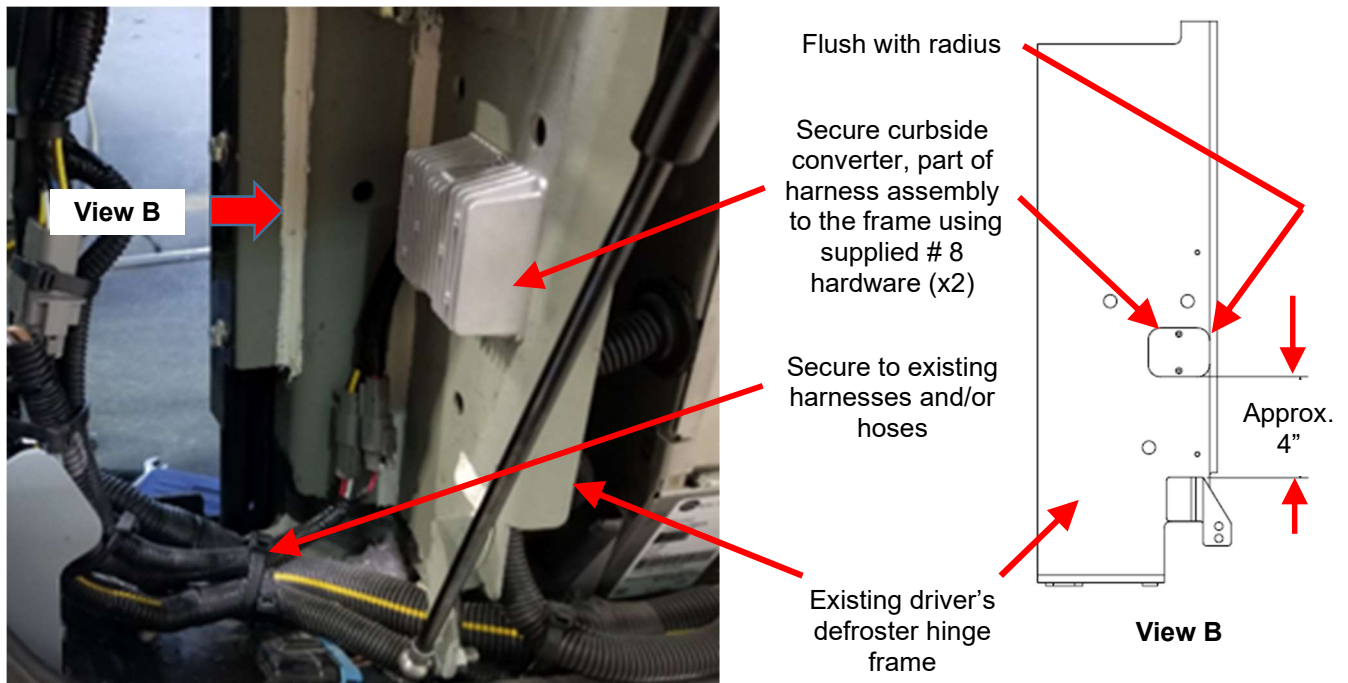


Figure 5: Curbside Headlamp Assembly Harness and Converter Installation



NEW FLYER

14. Remove all tools and debris and return the bus to service condition.
15. Close the exterior wiper motor and defroster access doors.
16. Close the interior LH lower panel access door.
17. Turn the main battery disconnect switch to the "ON" position.

LABOUR ESTIMATE

	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Inspect and install headlamp harness assembly as required.	1	1	½ hr per side

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	6487018	Kit-Converter- Harness, New Flyer	2	EA	