Part 573 Safety Recall Report   **21V-174**

Manufacturer Name :	ARBOC Specialty Vehicles, LLC
Submission Date :	MAY 27, 2021
NHTSA Recall No. :	21V-174
Manufacturer Recall No. :	NR

NHTSA
NATIONAL HIGHWAY TRAFFIC
SAFETY ADMINISTRATION

Manufacturer Information :

Manufacturer Name :	ARBOC Specialty Vehicles, LLC
Address :	51165 Greenfield Parkway
	Middlebury IN 46540
Company phone :	574-825-1720

Population :

Number of potentially involved :	29
Estimated percentage with defect :	100 %

Vehicle Information :

Vehicle 1 :	2021-2021 ARBOC Specialty Vehicles Spirit of Freedom-Ford E450
Vehicle Type :	BUSES, MEDIUM & HEAVY VEHICLES
Body Style :	OTHER
Power Train :	GAS
Descriptive Information :	On 3-4-21, transportation driver noted during his delivery there was a gas leak in fuel fill area under bus. On 3-8-21 another driver also reported gas leak during transport of bus to the dealer. 3-8-21 we started checking buses on line to ensure there would be no more leaks. The 29 affected buses are for one customer only, Corpus Christi. ARBOC did not purchase these chassis' as they were provided by our dealer Creative Bus Sales and are not our normal chassis. These are converted ambulance chassis'. We've already notified dealer of issue wo they're aware. On 3-10-21 it was determined this is a safety issue and we needed to issue a Recall on this product.
Production Dates :	OCT 12, 2020 - JAN 25, 2021

VIN Range	Begin	End	Not sequential
VIN Range 1 : Begin :	1FDXE4FS5KDC72857	End : 1FDXE4FS5KDC72857	☑ Not sequential
VIN Range 2 : Begin :	1FDXE4FS7KDC72858	End : 1FDXE4FS7KDC72858	☐ Not sequential
VIN Range 3 : Begin :	1FDXE4FS9KDC72859	End : 1FDXE4FS9KDC72859	☐ Not sequential
VIN Range 4 : Begin :	1FDXE4FS5KDC72860	End : 1FDXE4FS5KDC72860	☐ Not sequential
VIN Range 5 : Begin :	1FDXE4FS7KDC72861	End : 1FDXE4FS7KDC72861	☐ Not sequential
VIN Range 6 : Begin :	1FDXE4FS9KDC72862	End : 1FDXE4FS9KDC72862	☐ Not sequential
VIN Range 7 : Begin :	1FDXE4FS0KDC72863	End : 1FDXE4FS0KDC72863	☐ Not sequential
VIN Range 8 : Begin :	1FDXE4FS2KDC72864	End : 1FDXE4FS2KDC72864	☐ Not sequential
VIN Range 9 : Begin :	1FDXE4FS4KDC72865	End : 1FDXE4FS4KDC72865	☐ Not sequential
VIN Range 10 : Begin :	1FDXE4FS6KDC72866	End : 1FDXE4FS6KDC72866	☐ Not sequential
VIN Range 11 : Begin :	1FDXE4FS8KDC72867	End : 1FDXE4FS8KDC72867	☐ Not sequential
VIN Range 12 : Begin :	1FDXE4FSXKDC72868	End : 1FDXE4FSXKDC72868	☐ Not sequential
VIN Range 13 : Begin :	1FDXE4FS1KDC72869	End : 1FDXE4FS1KDC72869	☐ Not sequential
VIN Range 14 : Begin :	1FDXE4FS8KDC72870	End : 1FDXE4FS8KDC72870	☐ Not sequential
VIN Range 15 : Begin :	1FDXE4FSXKDC72871	End : 1FDXE4FSXKDC72871	☐ Not sequential
VIN Range 16 : Begin :	1FDXE4FS1KDC72872	End : 1FDXE4FS1KDC72872	☐ Not sequential
VIN Range 17 : Begin :	1FDXE4FS3KDC72873	End : 1FDXE4FS3KDC72873	☐ Not sequential
VIN Range 18 : Begin :	1FDXE4FS5KDC72874	End : 1FDXE4FS5KDC72874	☐ Not sequential
VIN Range 19 : Begin :	1FDXE4FS7KDC72875	End : 1FDXE4FS7KDC72875	☐ Not sequential
VIN Range 20 : Begin :	1FDXE4FS9KDC72876	End : 1FDXE4FS9KDC72876	☐ Not sequential
VIN Range 21 : Begin :	1FDXE4FS0KDC72877	End : 1FDXE4FS0KDC72877	☐ Not sequential
VIN Range 22 : Begin :	1FDXE4FS2KDC72878	End : 1FDXE4FS2KDC72878	☐ Not sequential
VIN Range 23 : Begin :	1FDXE4FS4KDC72879	End : 1FDXE4FS4KDC72879	☐ Not sequential
VIN Range 24 : Begin :	1FDXE4FS0KDC72880	End : 1FDXE4FS0KDC72880	☐ Not sequential
VIN Range 25 : Begin :	1FDXE4FS2KDC72881	End : 1FDXE4FS2KDC72881	☐ Not sequential
VIN Range 26 : Begin :	1FDXE4FS4KDC72882	End : 1FDXE4FS4KDC72882	☐ Not sequential
VIN Range 27 : Begin :	1FDXE4FS6KDC72883	End : 1FDXE4FS6KDC72883	☐ Not sequential
VIN Range 28 : Begin :	1FDXE4FS8KDC72884	End : 1FDXE4FS8KDC72884	☐ Not sequential
VIN Range 29 : Begin :	1FDXE4FSXKDC72885	End : 1FDXE4FSXKDC72885	☐ Not sequential

Description of Defect :

Description of the Defect :	Fuel leak
FMVSS 1 :	301 - Fuel system integrity
FMVSS 2 :	NR
Description of the Safety Risk :	If bus is leaking fuel and is in an accident, it could combust.
Description of the Cause :	Fuel hose is not correctly secured.
Identification of Any Warning that can Occur :	Fuel leak

Involved Components :

Component Name 1 :	Fuel Hose
Component Description :	Fuel Hose
Component Part Number :	Unknown due to OEM part number

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

On 3-4-21, transportation driver noted during his delivery there was a gas leak in the fuel fill area under bus. On 3-8-21 another driver also reported gas leak during transport of bus to the dealer. 3-8-21 we started checking buses on line to ensure there would be no more leaks. The 29 affected buses are for one customer only, Corpus Christi. ARBOC did not purchase these chassis' as they were provided by our dealer Creative Bus Sales and are not our normal chassis. These are converted ambulance chassis'. We've already notified dealer of issue so they're aware. On 3-10-21 it was determined this is a safety issue and we needed to issue a Recall on this product.

Description of Remedy :

Description of Remedy Program :	Step 1- Confirm that the correct hose is in place for the fuel fill. It should be flexible fuel rated hose with an inner diameter of 1-1/2". Step 2- Unbolt gas tank guard using a 9/16" socket and remove. Step 3- Loosen all four bolts (2 per side) that hold the gas tank to the frame. Use the 17mm wrench and 5/8 socket. NOTE: Do not completely remove bolts or drop gas tank out. Step 4- Lower gas tank enough to access tank fill port. Step 5- Loosen hose clamp with a 5/16" socket and force hose onto barb. It should be a snug fit and have 2" of engagement. Step 6- Slip hose clamp over the hose/barb engagement area. Tighten using a socket wrench or electric drive socket. DO NOT tighten using a screwdriver. Step 7- Confirm that plastic guarding is in place between fuel fill hose and frame cut-out. Step 8- Lift tank back into place and tighten down tank. Torque to 52ft/lbs. Step 9-Reinstall gas tank guard. Torque to 33ft/lbs. Check the fuel fill with any standard commercial fuel pump and check for leaks underneath. If dealer is completing repair, they will need to file a warranty claim with ARBOC SV for reimbursement. If a facility other than the selling dealer performs repair, they would need to file invoice with dealer for reimbursement and dealer will file warranty claim with ARBOC SV showing Recall has been completed.
How Remedy Component Differs from Recalled Component :	Outside of a visible leak, you're unable to look at this area and see a difference.
Identify How/When Recall Condition was Corrected in Production :	Prior to 3/8/21 production was utilizing a screw driver to tighten this area. On 3/8/21 production started utilizing socket wrench or electric drive socket.

Recall Schedule :

Description of Recall Schedule :	Once NHTSA has approved repair, ARBOC will create repair instructions and mailings to dealer. Dates noted are assuming a quick turn around on approval and Recall number assigned. In addition to physical mailings, dealer will be contacted via e-mail.
Planned Dealer Notification Date :	MAR 16, 2021 - MAR 16, 2021
Planned Owner Notification Date :	MAR 16, 2021 - MAR 16, 2021

* NR - Not Reported