

FMI No.: FMI-15-039\* - VBI ETO Controller Assembly Firmware Update  
 Contract: (Bus OEM, Transit Authority and Fleet Description)  
 Classification: NC-4  
 No. of Bus Sets: (Total Number of buses in fleet)

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 Date:5/6/15  
 REV:-  
 MRN:-  
 Written by: J. Doe

**A. SUBJECT:**

VBI ETO Controller Assembly part numbers 51220550-00 through 51220550-30 manufactured prior to May 1, 2015 are covered by a voluntary safety recall. (Ref. National Highway Traffic Safety Administration ("NHTSA") Campaign ID: 15E033). The corresponding serial numbers of the affected units are as follows:

<i>Year of Manufacture</i>	<i>Start Serial Number</i>	<i>End Serial Number</i>
2015	15A0000	15D9999
2014	14A0000	14L9999
2013	13A0000	13L9999

Update ETO Controller Assembly firmware for subject contract to version "3.XXX". Version "3.XXX" corrects a firmware issue that can cause the ETO Controller Assembly to provide incorrect door status information to the bus multiplex system.

**B. RELATED DOCUMENTS:**

ETO Firmware Update Bulletin No. TB08-03-366

**C. MODIFIED ASSEMBLIES:**

PN	Dwg. #	Description	Qty. Per Bus	Total Quantity
51220550-XX	51220550	Controller Assembly - ETO	"X"	"Y"

**D. PARTS REQUIRED:**

PN	Dwg. #	Description	Total Quantity	Remarks
TBD	TBD	Label – Firmware Revision	"Y"	
TBD	TBD	Firmware Version "3.XXX"	N/A	

**E. DRAWINGS REQUIRED:**

Dwg.#	Revision	Description
TB08-03-366	A	ETO Firmware Update

**F. MATERIAL DISPOSITION:**

N/A

**G. SPECIAL TOOLING:**

Windows Computer; USB Cable

**H. DETAILED MODIFICATION:**

Update ETO Controller Assembly firmware for subject contract to version "3.XXX". The detailed modification instructions are reference in VBI Bulletin TB08-03-366.

**I. TEST AND INSPECTION:**

1. Cycle door open and closed 5 times and verify proper operation.
2. Record all required information on FMI Tracking Sheet on Page 2 upon successful completion of the firmware modification.

