

February 2016

FL685AB

NHTSA #15V-432 (School Bus)

NHTSA #15V-425 (Non-School Bus)

Transport Canada #15-291 (School Bus)

Transport Canada #15-290 (Non-School Bus)

REVISED NOTICE

## Subject: TBB Emergency Door Handles

**Models Affected: Specific Thomas Built Buses Vista, TL960, Saf-T-Liner Conventional, ER, MVPEF, EFX, MVPER, FS65, and C2, and HDX Buses manufactured February 5, 2001, through May 29, 2012.**

### General Information

Daimler Trucks North America LLC on behalf of its wholly owned subsidiary, Thomas Built Buses, has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

There are 114,532 vehicles involved in this campaign.

On certain buses, the stem which joins the outside emergency door handle to the door opening mechanism may corrode. Excessive material loss of the stem due to corrosion could result in the outside handle separating from the door mechanism while trying to open the door from the exterior of the bus. In the event of an emergency, opening the emergency door from the outside the bus may cause the handle to separate from the opening mechanism, potentially delaying evacuation and increasing the risk of injury to vehicle occupants.

The emergency door handles will be inspected and replaced as needed. It is expected that approximately 15 percent of buses will require a replacement. Lift doors may also be affected and may be repaired under this recall.

**REVISIONS:** Additional kits for replacement handles have been added (including lift doors in addition to emergency doors), typographical errors have been corrected, and guidance for determining right and left hand interior door handles has been added.

### Additional Repairs

Dealers must complete all outstanding Recall and Field Service campaigns prior to the sale or delivery of a vehicle. A Dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from failure to complete campaigns within a reasonable time after receiving notification.

### Work Instructions

Please refer to the attached work instructions.

### Replacement Parts

Replacement parts are now available and can be obtained by ordering from your facing Parts Distribution Center.

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**Table 1** – Replacement Parts for FL685AB

**NOTE:** See the cross reference list at the end of this bulletin to determine the replacement parts for specific vehicles. It is expected that approximately 15 percent of buses will require a replacement. Lift doors may also be affected and may be repaired under this recall.

Campaign Number	Kit Number	Part Number	Description	Qty.
FL685AB	TBB 204971	TBB 204666	KIT DOOR STEM FEELER GAUGE AND WASHER	1 ea
		TBB 204667	EPDM WASHER, WITH ADHESIVE	1 ea
	TBB 204987	TBB 151501	PIN, TAPERED AND GROOVED .125 X 1.375	1 ea
		TBB 69003249	TAPPING SCREW, #12	4 ea
		TBB 29940005	WASHER - FLAT, 1 OD X	4 ea
	TBB 204988	N/A	HANDLE EMER AND LIFT DR EXT FOR RECALL	1 ea
	TBB 205657	N/A	KIT, SLEEVE, RED VYNL, INTERIOR DOOR HANDLE	1 ea
	TBB 206919M	N/A	KIT INTERIOR HANDLE RECESS, REAR EMER DR	1 ea
	TBB 206920M	N/A	KIT INTERIOR HANDLE RS/LIFT BLK EMER DR	1 ea
FL685A	TBB 204989M	N/A	KIT INTERIOR HANDLE, STD REAR EMER	1 ea
	TBB 204990M	N/A	KIT INTERIOR HANDLE, STD EMER DOOR	1 ea
	TBB 204991M	N/A	KIT INTERIOR HANDLE, RECESS EMER DOOR	1 ea
	TBB 204992M	N/A	KIT INTERIOR HANDLE, STD EMER DOOR	1 ea
	TBB 204993M	N/A	KIT INTERIOR HANDLE, RECESS EMER DOOR	1 ea
	TBB 204995M	N/A	KIT INTERIOR HANDLE BLK REAR EMER	1 ea
	TBB 204996M	N/A	KIT INTERIOR HANDLE LS BLK EMER DOOR	1 ea
	TBB 204997M	N/A	KIT INTERIOR HANDLE RS BLK EMER DOOR	1 ea

**Table 1**

## Removed Parts

Please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts.

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## Labor Allowance

Table 2 – Labor Allowance

Campaign Number	Procedure	Time Allowed (Hours)	SRT Code	Corrective Action
FL685AB	Inspect & Protect 1 Handle	0.2	174-6804A	12 – Repair Recall/Campaign
	Inspect & Replace 1 Handle	0.5	174-6804B	
	Inspect & Protect 2 Handles	0.4	174-6804C	
	Inspect & Protect 1 Handle, Replace 1 handle	0.7	174-6804D	
	Inspect & Replace 2 Handles	1.0	174-6804E	
	Inspect & Protect 3 Handles	0.6	174-6804F	
	Inspect & Protect 2 Handles, Replace 1 Handle	0.9	174-6804G	
	Inspect & Protect 1 Handle, Replace 2 Handles	1.2	174-6804H	
	Inspect & Replace 3 Handles	1.5	174-6804J	
	Inspect & Protect 4 handles	0.8	174-6804K	
	Inspect & Protect 3 Handles, Replace 1 Handle	1.1	174-6804M	
	Inspect & Protect 2 Handles, Replace 2 Handles	1.4	174-6804N	
	Inspect & Protect 1 Handle, Replace 3 Handles	1.7	174-6804P	
	Inspect & Replace 4 Handles	2.0	174-6804R	

Table 2

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### Claims for Credit

You will be reimbursed for your parts, labor, and handling by submitting your claim through the Warranty system within 30 days of completing this campaign. Please reference the following information in OWL.

**REVISIONS:** Additional kits for replacement handles have been added (including lift doors in addition to emergency doors), typographical errors have been corrected, and guidance for determining right and left hand interior door handles has been added.

Claim Type is **Recall Campaign**.

- In the Campaign field, enter the campaign number and appropriate group (**FL685A or FL685B**).
- In the Primary Failed Part field, enter **TBB 138158**.
- In the Parts section, enter the appropriate part number(s) as shown in the Replacement Parts Table.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table.
- The VMRS Component Code is **174-013-023** and the Cause Code is **A1 - Campaign**.

**IMPORTANT:** OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

Contact the Warranty Campaigns Department at (336) 889-4871, from 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday, via Web inquiry at [AccessFreightliner.com](http://AccessFreightliner.com) / My Tickets and Submit an Inquiry, if you have any questions or need additional information.

To return excess kit inventory related to this campaign, U.S. dealers must submit a Parts Authorization Return (PAR) to the Memphis PDC. Canadian dealers must submit a PAR to their facing PDC. All kits must be in resalable condition. PAR requests must include the original purchase invoice number.

The letter notifying U.S. and Canadian vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended (Title 49, United States Code, Chapter 301), requires the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The Act states that failure to repair a vehicle within 60 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 60 day period. Failure to repair a vehicle within a reasonable time can result in either the obligation to (a) replace the vehicle with an identical or reasonably equivalent vehicle, without charge, or (b) refund the purchase price in full, less a reasonable allowance for depreciation. The Act further prohibits dealers from selling a vehicle unless all outstanding recalls are performed. Any lessor is required to send a copy of the recall notification to the lessee within 10 days. Any subsequent stage manufacturer is required to forward this notice to its distributors and retail outlets within five working days.

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## Copy of Notice to Owners

### Subject: TBB Emergency Door Handles

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. This notice is sent to you in accordance with the Canadian Motor Vehicle Safety Act.

Daimler Trucks North America LLC, on behalf of its wholly owned subsidiary, Thomas Built Buses, has decided that a defect which relates to motor vehicle safety exists on specific Vista and TL960 vehicles and on Saf-T-Liner Conventional, ER, MVPEF, EFX, MVPER, FS65, C2, and HDX vehicles manufactured February 5, 2001, through May 29, 2012.

The stem which joins the outside emergency door handle to the door opening mechanism may corrode. Excessive material loss of the stem due to corrosion could result in the outside handle separating from the door mechanism while trying to open the door from the exterior of the bus. In the event of an emergency, opening the emergency door from the outside the bus may cause the handle to separate from the opening mechanism, potentially delaying evacuation and increasing the risk of injury to vehicle occupants.

The emergency door handles will be inspected and replaced as needed.

**To arrange for repairs, you should contact your local Thomas Built Buses dealer immediately.** Thomas will remedy this defect without charge. The repair should take approximately two hours, depending on your vehicle, and will be performed at no charge to you. To find a dealer in your area please go to [www.thomasbus.com](http://www.thomasbus.com).

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s) which appears on the Recall Notification, please return the notification to the Warranty Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days.

If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. For further information, please contact the Warranty Department at the number below.

If you have any questions about this recall, please contact the Warranty Department at (336) 889-4871, 8:00 a.m. to 5:00 p.m. Eastern Time, Monday through Friday. If you are not able to have the defect remedied without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 3274236 (TTY: (800) 424-9153); or to <http://www.safercar.gov>. In Canada, you may contact Transport Canada road safety, 80 rue Noel, Gatineau, Quebec J8Z 0A1 or call (800) 333-0510.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.

THOMAS BUILT BUSES WARRANTY DEPARTMENT

Enclosure

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## Work Instructions

### Subject: TBB Emergency Door Handles

**Models Affected:** Specific Thomas Built Buses Vista, TL960, Saf-T-Liner Conventional, ER, MVPEF, EFX, MVPER, FS65, and C2, and HDX Buses manufactured February 5, 2001, through May 29, 2012.

**REVISIONS:** Additional kits for replacement handles have been added (including lift doors in addition to emergency doors), typographical errors have been corrected, and guidance for determining right and left hand interior door handles has been added.

## Inspection and Protection

**NOTE:** It is expected that approximately 15 percent of buses will require a replacement. Lift doors may also be affected and may be repaired under this recall.

1. Chock the wheels, set the parking brake, make sure the shifter is in Park or Neutral. Disconnect the battery and turn the ignition switch to off.
2. Remove the washers between the external door handle and the door facing. Use a razor knife to slice through the large washer and then the smaller diameter plastic washer. Slide something under the washers to keep from damaging the paint on the door. See **Figure 1**.



**Figure 1, Cutting Washers**

3. Pull the washers off with needle nose pliers and discard the washers. See **Figure 2**.

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Figure 2, Removing Washers

4. Once the washers are removed, use the go/no go gauge (TBB 204666 from kit TBB 204971) to verify the stem material is of sufficient thickness for operation. Try to slide the gauge over the smallest thickness of the stem on each of the four sides. See **Figure 3**. If the gauge is able to slide completely on at any point of the stem, go to "Replacement of Interior and Exterior Door Handles." See **Figure 3** for use of the gauge.



Figure 3, Using the Go/No Go Gauge

5. After verifying the gauge will not slide over the stem, apply a liberal amount of protectant over the entire stem (inside and outside the door cavity). Use an approved corrosion protectant such as WD-40 purchased locally. If any of the protectant liquid gets on the paint or exterior handle, remove it as quickly as possible with an alcohol based wipe. See **Figure 4**.

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Figure 4, Applying Protectant

6. After spraying the stem, install a new external washer (TBB 204677 from kit TBB 204971).
7. Make sure the painted surface around the stem opening is clean and dry. Remove the paper backing from the washer and place the adhesive side on the door around the external handle. Make sure the washer slit is installed on the bottom side of the opening. There will be an opening between the exterior washer and the door handle. See **Figure 5**.



Figure 5, Position of Slit in Washer

8. Connect the battery, remove the chocks.

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## Replacement of Interior and Exterior Door Handles

NOTE: See the cross reference list at the end of this bulletin to determine the replacement parts for specific vehicles and for a guide to determining right and left hand interior handles.

1. Close and lock the door to keep it steady while performing next step.
2. Cut the stem and exterior door handle off. This can be performed with an oscillating tool or similar tool. See **Figure 6**.



Figure 6, Cutting Off the Stem and Exterior Door Handle

3. Enter the bus and open the emergency door. Return to the back of the bus.

NOTE: Before removing the interior door handle, confirm whether it is right or left. See "Determining Right or Left Interior Door Handles" following these replacement instructions for a guide.

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4. Remove the fasteners on the interior locking mechanism using a punch and/or drill bit.

C2 rear emergency doors will have four (4) rivets used for mounting the mechanism to the door bracket. Included in kit TBB 204987 are four (4) #12 screws to be used as replacement fasteners for the rivets. See **Figure 7**.

Legacy products will have screws used for mounting the mechanism to the door. Remove and retain these screws for replacement. See **Figure 8**.



Figure 7, C2 Mounting

5. Remove the two screws on the left side of the locking mechanism and retain them for replacement. See **Figure 8**



Figure 8, Legacy Mounting

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6. Pull the locking mechanism and handle off the door. Lay the locking mechanism on the side the handle is not on and pull the handle shaft out of the locking mechanism. See **Figure 9**.



**Figure 9, Removing the Locking Mechanism**

7. Install the new handle with the locking mechanism and new washers from the kit (TBB 204987), using #12 screws in all fastener locations (Two (2) that were already used for mounting and four (4) used to replace the rivets).
8. Wipe the surface clean around the new stem where it exits the door.
9. Remove the paper covering the adhesive off back of the new washer and install it around stem. Make sure the washer slit is installed on the bottom side of opening. See **Figure 10**.



**Figure 10, Installing the New Washer**

10. Close the emergency door using the interior door handle. Make sure the interior handle is in the closed position. The closed position is when the interior handle is pushed all the way down to a horizontal position.

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11. The exterior door handle must be installed in a vertical orientation. See **Figure 11**.



**Figure 11, Position of Newly Installed Exterior Handle**

12. Using a rubber mallet, hammer the exterior handle (kit TBB 204988) onto the stem. The exterior handle must properly fit on the door stem for installation of the locking pin.

13. Insert the locking pin (TBB151501 from kit TBB 204987) into the side of the exterior handle.

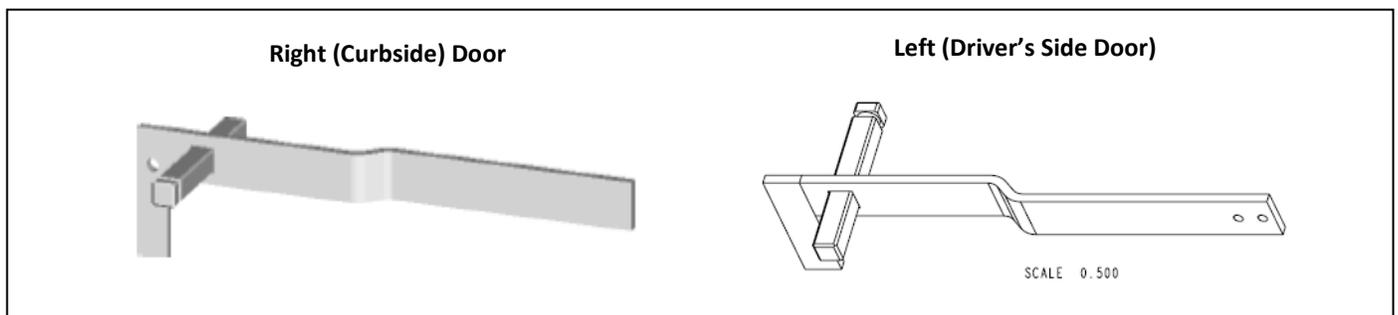
14. Check door operation.

15. Unchock wheels.

## Determining Right or Left Interior Door Handles

To determine if the door stem handle is for a right side or left side door, note:

- The groove in the stem is always toward the outside of the bus door.
- The handle stopper is always pointed down.
- Doors always open to the rear.



**Figure 12, Right and Left Interior Door Handles**

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## Existing Part Number to Replacement Kit/Part Number Cross Reference

Existing Part Number	Use Recall Kit/Part Number
TBB 64007431 TBB 64009294 TBB 64000066 TBB 175609	TBB 204989M
TBB 64009820 TBB 64004671 TBB 175615 TBB 175613	TBB 204990M
TBB 64004672 TBB 64009821 TBB 175614	TBB 204991M
TBB 64009823 TBB 175617	TBB 204992M
TBB 64009824 TBB 175618	TBB 204993M
TBB 120058 TBB 175620	TBB 204995M
TBB 120260 TBB 175628	TBB 204996M
TBB 175624 TBB 132817	TBB 204997M
TBB 64007432 TBB 64009295 TBB 64000067 TBB 175610	TBB 206920M
TBB 175626	TBB 206919M
TBB 120504	TBB 204995M <b>and</b> TBB 205657
TBB 131659	TBB 204997M <b>and</b> TBB 205657
TBB 120494	TBB 204997M <b>and</b> TBB 205657

Table 3