



FIELD SERVICE CAMPAIGN – 18105

20 June 2018

SUBJECT:

Vandal Lock Deviation Rework

MODELS INVOLVED:

IC Bus® CE Series

DEFECT DESCRIPTION:

Certain CE Series school bus models may have been built with an incorrect slot location and size for the vandal lock door header.

ELIGIBILITY:

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with FSC 18105. Also complete any other open campaigns listed on the Service Portal at this time.

TOOLS REQUIRED:

Description	Tool Number
0.75" Step Drill Bit	Obtain Locally

Table 1 Tools Information

PARTS REQUIRED:

Part Number	Description	Quantity
4110426C6	SEAL , BUS BODY, TOP FRAME O/O ENT DOOR, VL	1
Paint	School Bus Yellow Code 4421	As Needed
2210878C1	SEALANT, BLACK	As Needed
2643839R1	SEALANT ADHESIVE, SEALANT	As Needed

Table 2 Parts Information

WORK INSTRUCTIONS

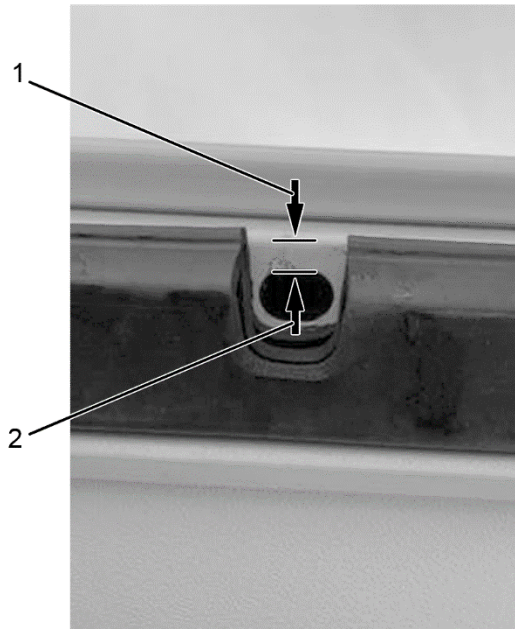
GOVERNMENT REGULATION: Engine fluid (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluid and other contaminated materials (such as filters and rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent personal injury and / or death, ALWAYS wear protective nitrile gloves and a respirator when working with paint. Avoid contact with any part of the body including skin, eyes, mouth, nose, hair, ears and clothing. NEVER ingest or inhale paint. Perform any procedure using paint in a well ventilated area.

1. Park vehicle on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Turn ignition to Key OFF position.
4. Install wheel chocks.
5. Locate vandal lock in entrance door casing.
6. Identify lock rod slot with incorrect location.



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Figure 1. Measurement

1. Edge of casing
 2. Lock rod slot
7. Measure distance from edge of lock rod slot (Figure 1, Item 2) to edge of casing (Figure 1, Item 1).
- a. If measurement distance is greater than 7.8 mm (.307 in), proceed to Step 8.
 - b. If measurement distance is 7.8 mm (.307 in) or less, proceed to Step 21.

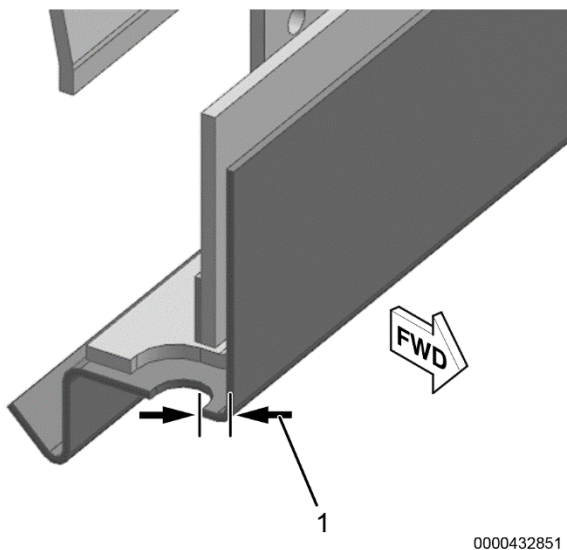


Figure 2. Slot Measurement

1. Lock rod slot
2. Edge of casing

8. Measure 7.8 mm (.307 in) from edge of casing (Figure 2, Item 2) toward lock rod slot (Figure 2, Item 1) and make a mark.
9. Using a step drill bit, enlarge slot to measured mark.

NOTE: Sharp edges may cause wear to the lock rod.

10. Using grit paper or mechanical file, ensure edges of slot are clear of any burrs or sharp edges.
11. Using a force gauge, check door locking resistance; force required to close door should be less than 30 lb.
 - a. If force is greater than 30 lb, proceed to Step 12.
 - b. If force is less than 30 lb, proceed to Step 15.

12. Verify contact between bottom step tread and door leaf. If tread is not flush with casing, proceed with Step 12.a. If tread is flush with casing, proceed to Step 13.
 - a. Remove fasteners from top of tread and set aside for reuse.
 - b. Lift up on tread to break epoxy.
 - c. Scrape old epoxy from step.
 - d. Remove old dolphin sealant from stepwell.
 - e. Ensure stepwell is free of debris and apply sealant adhesive to stepwell.
 - f. Trim tread as needed.
 - g. Insert step tread in stepwell and tap back until flush with front casing.
 - h. Insert previously removed fasteners.
 - i. Apply black sealant around edges of tread.
13. Verify guide block is seated correctly in top of door. If guide block is seated correctly, proceed to Step 14. If guide block is not properly seated, proceed with Step 13.a.
 - a. Compress guide block to fully seat.
 - b. Apply black sealant over retaining clip
14. Verify bottom seal is flush with door sides.
 - a. Trim bottom seal flush with door sides.
15. Touch up paint:
 - a. For minor paint damage, proceed to Step 16.
 - b. For significant paint damage, proceed to Steps 17 thru 19.
16. Using touch-up paint, clean up any paint damage, proceed to Step 20.

17. Using acetone or other approved fluid, clean edge of slot.
18. Apply pre-prime to surface with paint damage.
19. Apply top coat.
20. Install bus body seal.
21. Verify vandal lock operation.
22. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

NOTE: Operation number A40-18105-2 should only be applied if it is necessary to perform Steps 12 thru 14.

Operation Number	Description	Time
A40-18105-1	Rework Vandal Lock Slot	0.5 hrs
A40-18105-2	Rework Step Tread; Only if Necessary	0.4 hrs

Table 3 Labor Information

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 18105.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 18105 activity must be submitted by 20 June 2019 or within the normal warranty period for the component, if after 20 June 2019.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number

NOUN — Leave blank

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40.

TYPE PART — Enter P for type part causing failure.

PAD — Enter 100

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