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**FIELD SERVICE CAMPAIGN – 22126**

24 January 2023

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**SUBJECT:**

Bus Body Tie-Downs

**MODELS INVOLVED:**

IC Bus® Electric CE Series bus

**DEFECT DESCRIPTION:**

Certain IC Bus® Electric CE series buses may have been built with less than the required amount of body tie-downs by the rear axle.

**ELIGIBILITY:**

This procedure applies ONLY to vehicles marked in the International® Service Portal<sup>SM</sup> with FSC 22126. Also complete any other open campaigns listed on the Service Portal at this time.

**TOOLS REQUIRED:**

Description	Tool Number
Drill, Drill Bit, 17/32"	Source Locally

**Table 1** Tools Information

**PARTS REQUIRED:**

Part Number	Description	Quantity
451181001	Clip, Tie-Down Body to Chassis	2
435547001	Channel, Tie-Down, Bus	2
25710R1	Washer, Flat, 1/2 0.531 X 1.062 X 0.1	2
22816R1	Nut	2
429595001	Bolt Hexagon Head Cap Screw 1/2" X 2" UNC	2

**Table 2** Parts Information

## WORK INSTRUCTIONS

**WARNING!** To prevent personal injury and / or death, or damage to property, 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, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

**WARNING!** To prevent personal injury and / or death, NEVER service a high voltage vehicle without completing high-voltage safety training. Before working on vehicle, read and obey all High-Voltage Safety and Lock-Out Tag-Out procedures and information.

**WARNING!** To prevent personal injury and / or death, wear and use approved high-voltage Personal Protective Equipment (PPE) when near a high-voltage electric vehicle. Inspect PPE before use. Do not use gloves or other PPE with expired dates, holes, cracks, or damage. NEVER touch energized orange high-voltage cables or high-voltage components without wearing approved high-voltage PPE.

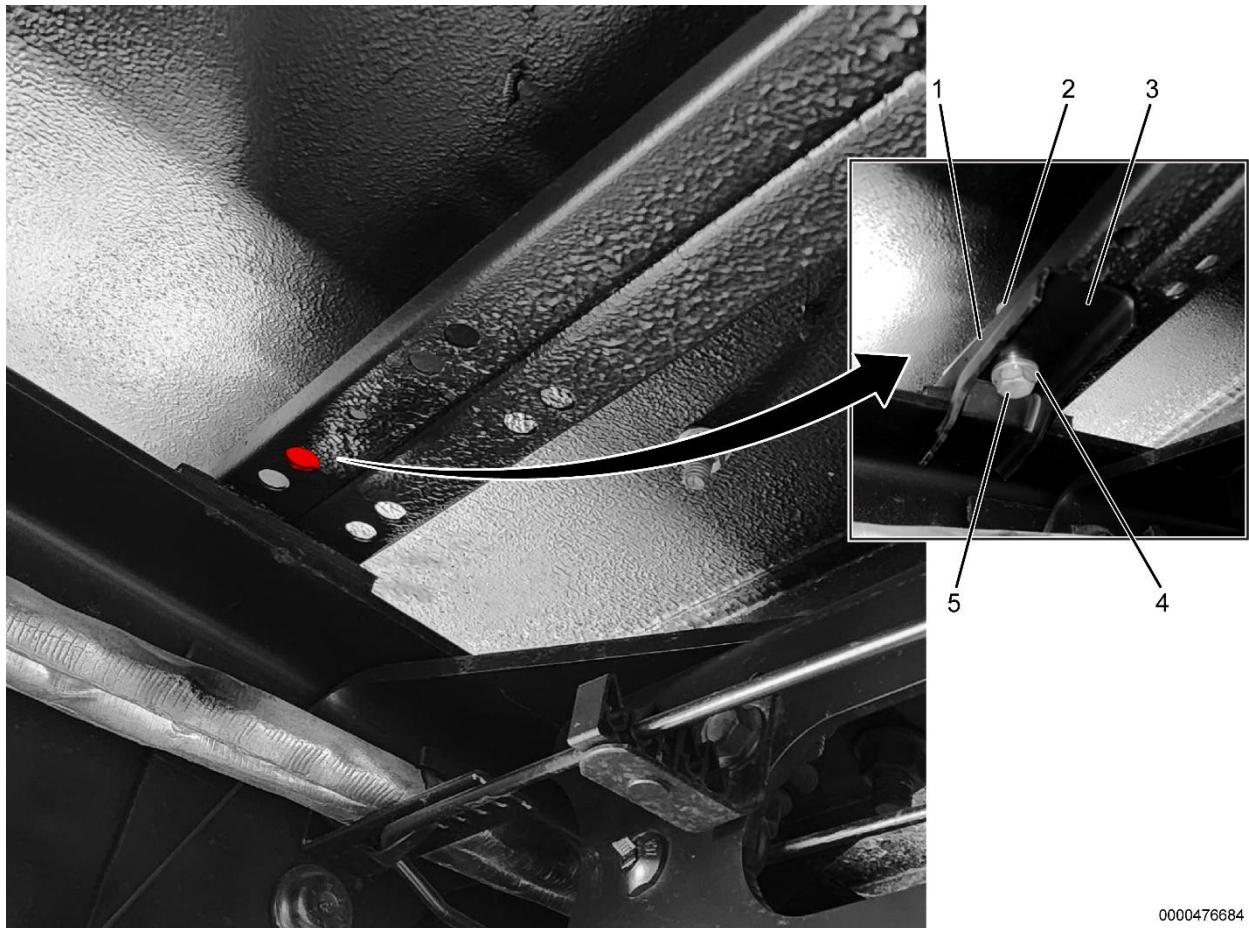
**WARNING!** To prevent personal injury and / or death, read all information in the Safety Information and High-Voltage Safety sections of the service manual.

**WARNING!** To prevent personal injury and / or death, or damage to property, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

**WARNING!** To prevent personal injury and / or death, or damage to property, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

1. Park vehicle on a level surface.
2. Shift transmission into Park or Neutral and set parking brake.
3. Turn ignition to Key OFF position.

4. Install wheel chocks.
5. Perform Level 1 Manual Service Disconnects (MSD). Refer to appropriate service information for detailed instructions.



**Figure 1. Body Tie-Down by the Rear Axle – Right-Hand Side**

1. Tie-down channel (435547001)
2. Nut (22816R1)
3. Body tie-down clip (451181001)
4. Washer (25710R1)
5. Bolt (429595001)

**NOTE: Inspect floor flange channel hole. If hole in reinforcement bar is not drilled to 1/2" diameter of bolt, utilize a drill bit and carefully drill to increase the diameter of the hole.**

6. Install tie-down channel (Figure 1, Item 1) inside floor flange channel with holes aligning.

7. Using bolt (Figure 1, Item 5), washer (Figure 1, Item 4) and nut (Figure 1, Item 2) install and secure body tie-down clip (Figure 1, Item 3) into body channel and frame rail.
8. Using torque wrench, tighten nut (Figure 1, Item 2) to 30-40 lb-ft (41-54 N·m).



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**Figure 2. Body Tie-Down by the Rear Axle – Left-Hand Side**

1. Floor flange channel

9. Repeat steps 6 through 8 for left-hand side floor flange channel (Figure 2, Item 1).
10. Turn ON high-voltage disconnect switch and 12V disconnect switch.
11. Remove wheel chocks.

**LABOR INFORMATION**

Operation number must appear on all claims.

Operation Number	Description	Time
A40-22126-1	Install two tie-downs	1.0 hrs

**Table 3** Labor Information

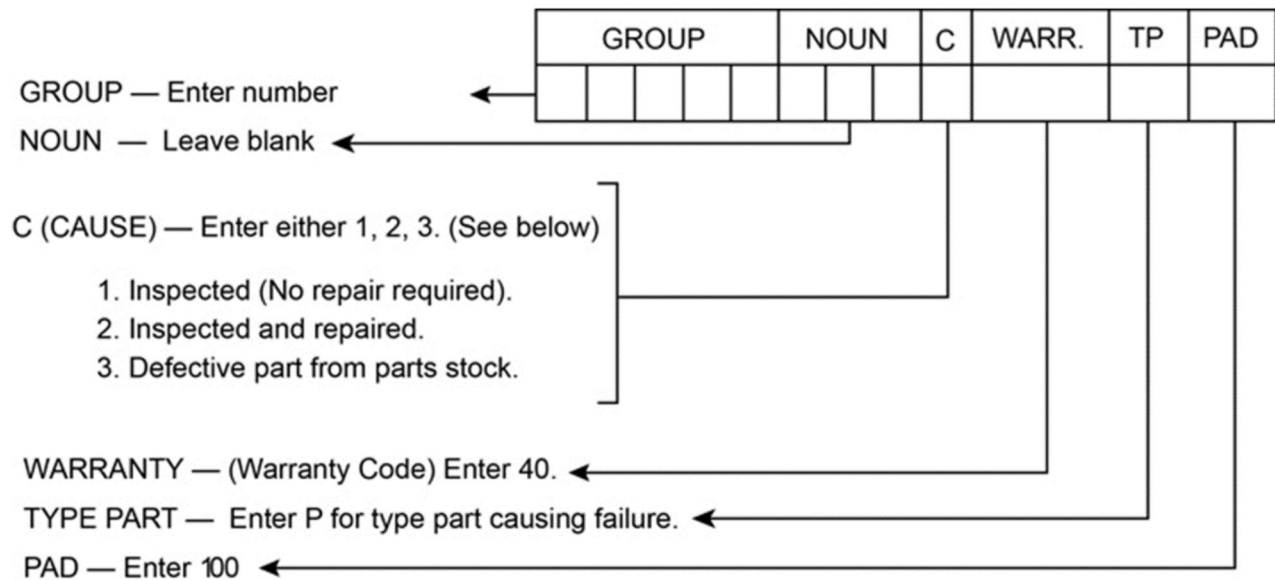
## WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Field Service Campaign 22126.

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 22126 activity must be submitted by 24 January 2024 or within the normal warranty period for the component repaired, if after 24 January 2024.



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