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**Current Language:** English **Last Modified:** 9/27/2017  
**Other Languages:** NONE **Author:** Amber Chapman  
**Viewed:** 293

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Coding Information

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**Title:** Bus Entrance Door Locks / Vandal Lock Pin

**Applies To:** Bus CE and RE 2017 and newer

## CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

09/27/2017 - Removed optional spring installation and related info  
 09/07/2017 - Added part numbers for nut and washer  
 08/23/2017 - Initial Article Release

## DESCRIPTION

This document applies to 2017 and newer RE and CE bus with optional vandal lock feature 047DEH.

This document will guide the user through repair installations to correct the vandal lock engaging when not intended.

## SYMPTOM(s)

**Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):**

DTC/Light	Description
N/A	

**Customer Observations or Concerns:**

Vandal lock engages when not intended.

**Possible Cause:** Counterweight balance rubs linkage arm, causing vandal lock to engage while unit is in operation

## **SPECIAL TOOL(s) / SOFTWARE**


Tool Description	Tool Number	Comments	Instructions
Force gauge 5-7 lbs (also referred to as a fish scale)	n/a	obtain locally	

[Tools Resource Center](#)

## **SERVICE PARTS INFORMATION**

Parts Catalog – [Click Here](#)

Kit Description	Part Number	Quantity Required	Notes
Sealant, Loctite Blue 242	PTX24200	as needed	


**WARNING:**

**To prevent unexpected movement of the vehicle and possible serious personal injury or death, park the vehicle on a flat, level surface, set the parking brake, turn the engine off, and chock the wheels to prevent the vehicle from moving in both directions.**


**WARNING:**

**To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.**

**CAUTION:**

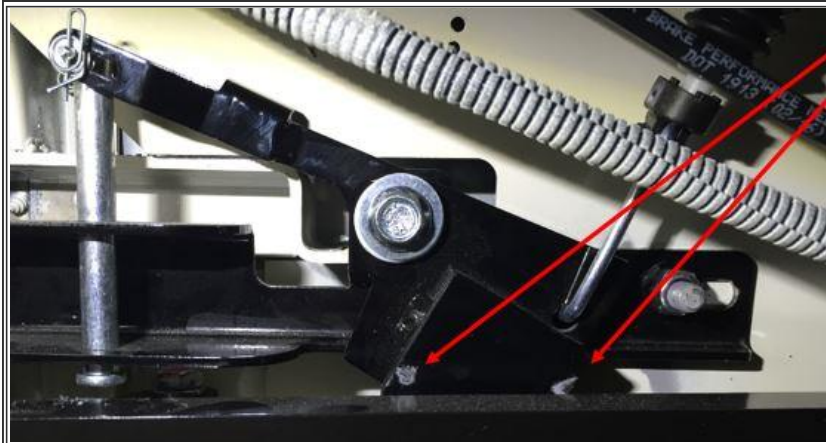
**To prevent accidental power being applied to the entrance door during service, remove the ignition keys prior to beginning the following repairs.**

## **REPAIR STEP(s)**

Refer to [IK2200087](#) Bus Entrance Door Adjustment Procedures.

1. Park vehicle on a flat surface.

2. Shift transmission to Park or Neutral, and set the parking brake.
3. Turn vehicle ignition to key OFF position.
4. Install wheel chocks.
5. Check for paint damage on counter balance per Figure 1. If there are signs of rubbing or scraping on the paint of the counter balance, adjust the FRONT door leaf tie rod to achieve a MINIMUM 1/16" gap when the door is open. Note: Front leaf may be 90 degrees or less while full open.



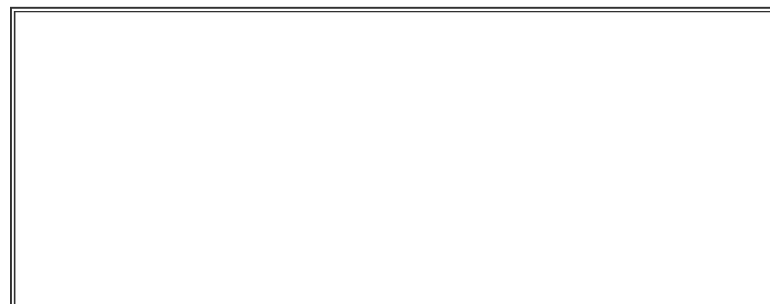
**Figure 1: Paint damage on counter balance**

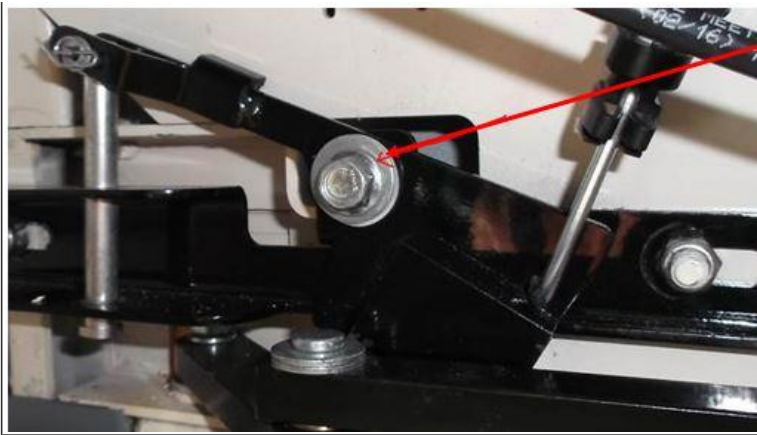
6. Check for loose linkage and excessive play, see Figure 2. If the pivot arm bolt is loose, remove the bolt. Apply Loctite 242 to the threads, reinstall and tighten pivot arm bolt to 24 ft-lbs (+/- 3 ft-lbs).



**Figure 2: Pivot Arm Bolt**

7. Check the pin hold down force using a force gauge. If force is not between 5-7 lbs, adjust the center pivot. See Figure 3. Holding the nut behind the bracket, loosen or tighten the front bolt until 5-7 lbs force is achieved.





**Figure 3: Linkage adjustment to 5-7 lbs of force**

- 8. Ensure that the vandal lock actuates up and down properly.
- 9. Remove wheel chocks.

## **WARRANTY INFORMATION**

### **Warranty Claim Coding:**

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

### **Standard Repair Time(s):**

Refer to the [SRT Manual](#) for Repair Times

## **OTHER RESOURCES**

[Master Service Information Site](#)

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