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**Other Languages:** NONE **Author:** Gintarus Andriusis  
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Coding Information

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**Title:** Gasoline Bus - 60gal Fuel Tank Baffles in Incorrect Locations

**Applies To:** Gasoline Bus

## Change Log

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

06/12/2018 - Initial Article Release.

## Description

Gasoline CE Bus with 60 gallon fuel tank; fuel tank baffles welded in incorrect location causing incorrect fuel reading and/or fuel gauge drop out to 6 o'clock position.

## Symptoms

**Diagnostic Trouble Codes & Dashboard Indicator Lights:**

| DTC/Light | Description                                   |
|-----------|-----------------------------------------------|
| SPN96-7   | Fuel Level Sensor A Circuit Range/Performance |

**Customer Observations or Concerns:**

- Fuel gauge only properly reading when fuel is above ~3/4 tank full; after the fuel level drops below 3/4, the gauge is stuck at the 3/4 reading and does not drop lower
- Fuel gauge pointing to 6 o'clock position

## Special Tools / Software

| Tool Description | Tool Number | Comments | Instructions |
|------------------|-------------|----------|--------------|
| Not Applicable   |             |          |              |

## Service Parts Information

| Kit Description                      | Part Number | Quantity Required | Notes                                                             |
|--------------------------------------|-------------|-------------------|-------------------------------------------------------------------|
| 60Gal Fuel Tank and FDM assmebly kit | N/A         | 1                 | Open a Tech Service Case file for a direct shipment from supplier |

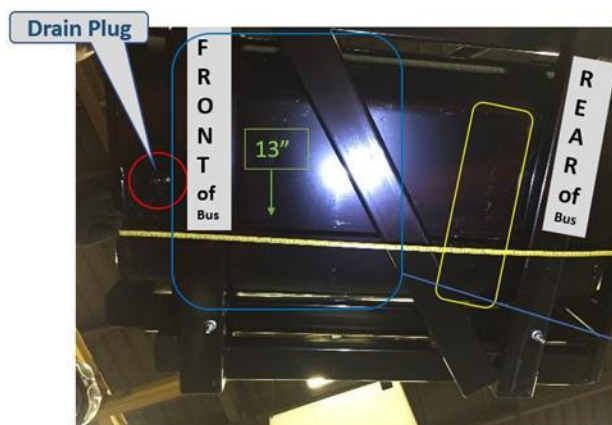
**Diagnostic Steps**

| Step | Action                                                                                         | Decision                                      |
|------|------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 1    | <b>DIAGNOSTIC:</b><br>Is the bus equipped with 60Gal fuel tank?<br><br><b>YES/NO QUESTION?</b> | <b>Yes:</b> Proceed to step 2                 |
|      |                                                                                                | <b>No:</b> End of Diagnostics; does not apply |

| Step | Action                                                                                                                                                            | Decision                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 2    | <b>DIAGNOSTIC:</b><br>Check gas tank baffle location as per Figure 1, 2, 3, and 4.<br><br><b>YES/NO QUESTION?</b><br><br>Are the baffles in the correct location? | <b>Yes:</b> End of Diagnostics     |
|      |                                                                                                                                                                   | <b>No:</b> Proceed to Repair Steps |

**Figure 1****Figure 2**

### STEP 1 – Orient yourself on tank to make Disposition



**Acceptable Tank** – Baffle  
Welds are located properly

#### Acceptable Tank Criteria:

- 1) Measurement from FRONT of tank at approx. 13"(330mm)  $\pm$  1" (25.4) from endcap
- 2) From Rear of tank, NO visible weld should be in front of Guard Cross member in **YELLOW** circled area



Figure 3

### STEP 2 – Verify Location of baffle welds on body



**Acceptance Criteria - 13"(330mm)**  
 **$\pm$  1" (25.4) from endcap**

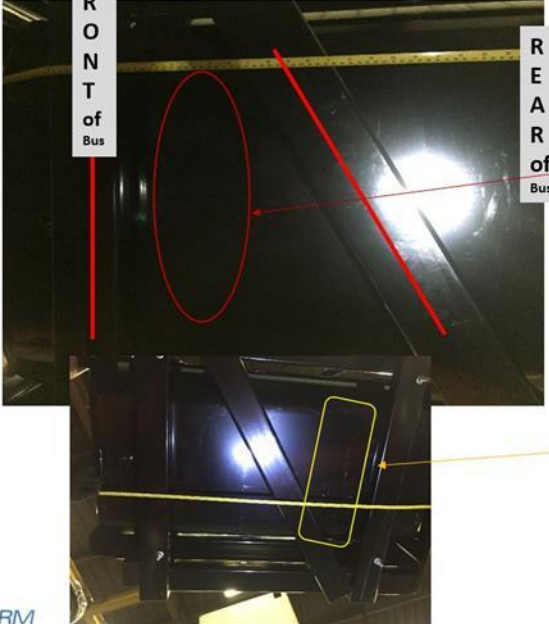
#### Acceptable Tank Criteria:

- FRONT of tank, measure the Weld penetration in tank wrap – should be at 13"(330mm)  $\pm$  1" (25.4)
- If this Weld penetration is found, then there is 100% confidence that the baffles are located properly and tank is conforming.



Figure 4

**STEP 3 – NON-Conforming tank Criteria**



**NON-Conforming tank** will exhibit the following:

- 1) **NO visible Baffle Weld penetration** on tank from FRONT of bus @ 13”(330mm)
- 2) As confirmation, from Rear of tank, NO visible weld should be in front of Guard Cross member @ 13” (330mm) from REAR (YELLOW circle)

*If any of these exist, the Baffles are INCORRECT*



### Repair Step(s)

Please refer to the 0000975235 Fuel Tank Removal and Installation procedure link below

[0000975235 Fuel Tank Removal and Installation procedure](#)

### Warranty Information

#### Warranty ClaimCoding:

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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