



<b>Subject:</b> Ambient Temperature Sensor Relocation			
<b>Field change Program:</b> Service Bulletin	<b>Bulletin Number:</b> 3132	<b>Revision:</b> A	<b>Date:</b> 03/20/2020
<b>Coach Section:</b> 07-Electrical	<b>P/N:</b> 07-08-3145, 07-08-7232		<b>Type:</b> Product Improvement

**Application:**

Coach Model	Model Year	VIN
J4500	2018 - 2020	68377 - 69944
J3500	2019 - 2020	68877, 68909, 68935, 68965, 21000 - 21068

** WARNING**

*Read this entire procedure before beginning work.*

*Use Safe Shop Practices at All Times.*

*To avoid personal injury:*

- a. Proper Personal Protective Equipment (PPE) must be worn. Safety glasses and protective gloves are required for working with DEF Fluid.*
- b. Turn the main battery disconnect switch to the OFF position.*
- c. Ensure that both the front and the rear wheels are chocked.*
- d. Position the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.*
- e. Allow enough time for components to cool down prior to working in the engine compartment.*

## 1.0 Description

This bulletin outlines the steps to relocate the ambient temperature sensor from the spare tire compartment to the bumperette to improve the accuracy of the sensor reading. This bulletin needs to be done in conjunction with Service Bulletin 3123.

## 2.0 Material requirements

For coaches equipped with an ISX/ X12 engine, no material is required.

For coaches equipped with a DD13 engine, the following material is required:

ITEM	PART NO	QTY	U/M	DESCRIPTION
1	19-4-7	1	EA	Clamp - Line Support, 29/32 Dia

## 3.0 Special tools

No special tools required.

## 4.0 Procedure for the coaches equipped with an ISX/ X12 engine

### 4.1 Disconnecting the ambient temperature sensor

Open the front junction box door by pulling the lever on the driver's left-hand console.

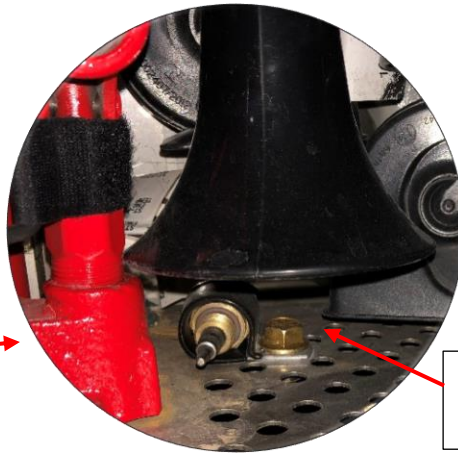


Pull the lever to open Front Junction Box door



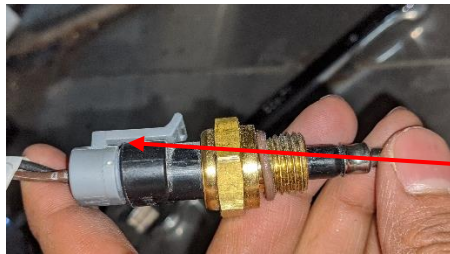
Open front junction box door

Remove and discard the nut and bolt securing the p-clamp. Save the p-clamp



Remove and discard  
the bolt and nut

Unplug the harness from the ambient temperature sensor. Save the ambient temperature sensor.



Unplug the harness

#### 4.2 Rerouting the ambient temperature sensor to the bumperette

Cut the tie wraps securing the sensor harness.



Cut tie wraps

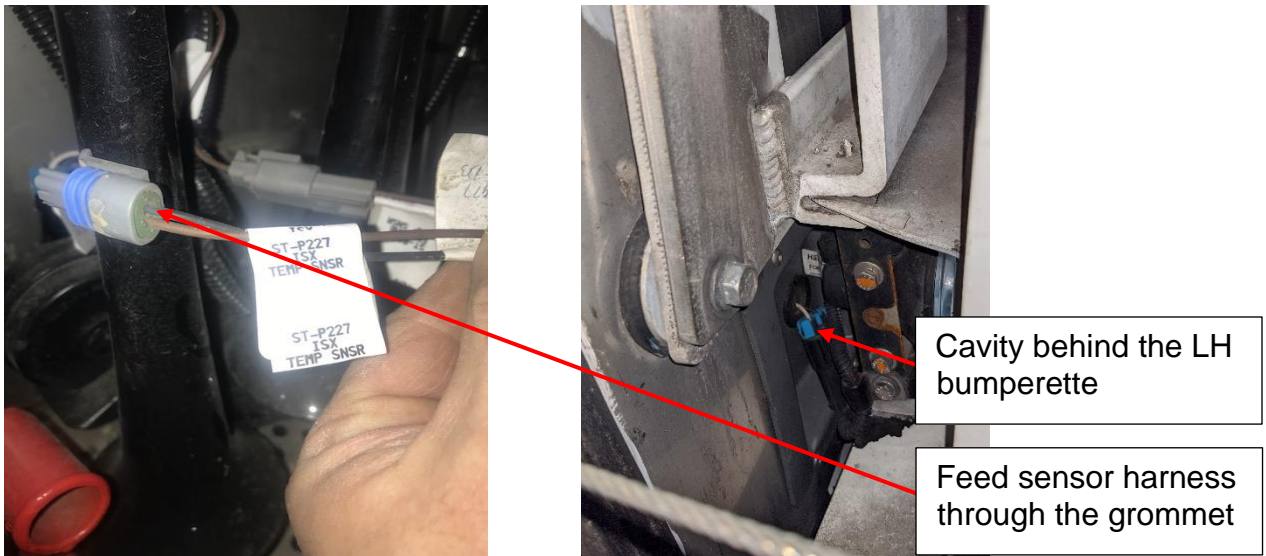
Pull the grommet of the clearance hole through which the fog light harness is fed to the exterior.



**NOTICE**

**CAUTION**

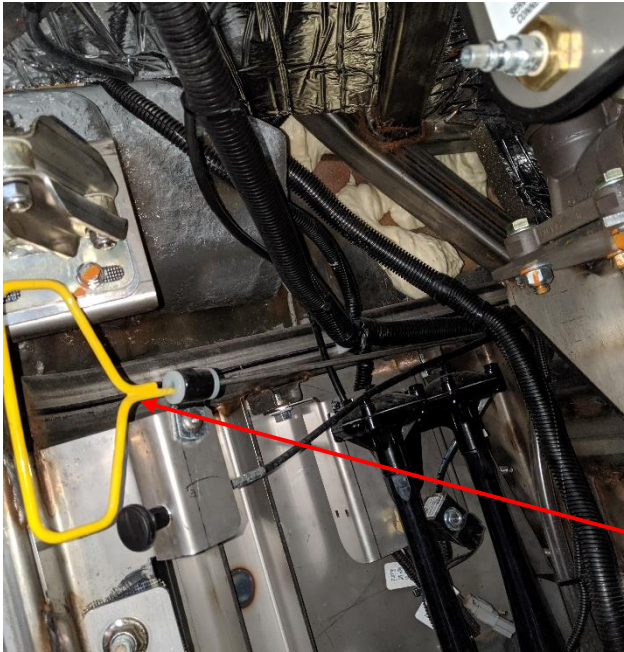
Do not damage the fog light harness passing through the grommet  
Feed the sensor harness through the grommet into the cavity behind the LH bumperette.



Re-install the grommet.

### 4.3 Re-installing the ambient temperature sensor

Pull the front bumper link to open the front bumper.



Pull the front bumper link

Re-connect the harness to the ambient temperature sensor.

Remove and save the bottom bolt of the LH bumperette.



Remove and save the bolt

Install the ambient temperature sensor to the bumperette at the location of the bottom bolt using existing p-clamp and bolt.



Install ambient temperature sensor using existing p-clamp and bolt

Make sure to face the sensor upwards as shown in the picture above.

## 5.0 Procedure for the coaches equipped with a DD13 engine

### 5.1 Disconnecting the ambient temperature sensor

Open the front junction box door by pulling the lever on the driver's left-hand console.



Pull the lever to open Front Junction Box door



Opened Front Junction Box door

Remove and discard the washer and nut securing the ambient temperature sensor.



Remove and discard the washer and nut

Unplug the harness from the ambient temperature sensor. Save the ambient temperature sensor.



## 5.2 Rerouting the ambient temperature sensor harness to the bumperette

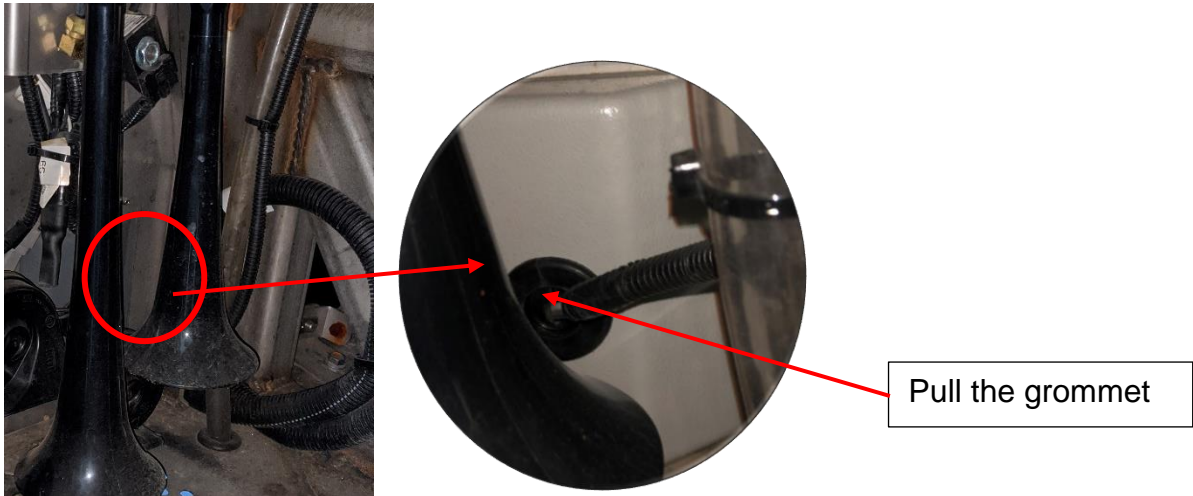
Cut the tie wraps securing the sensor harness.



Unplug the harness

Cut tie wraps

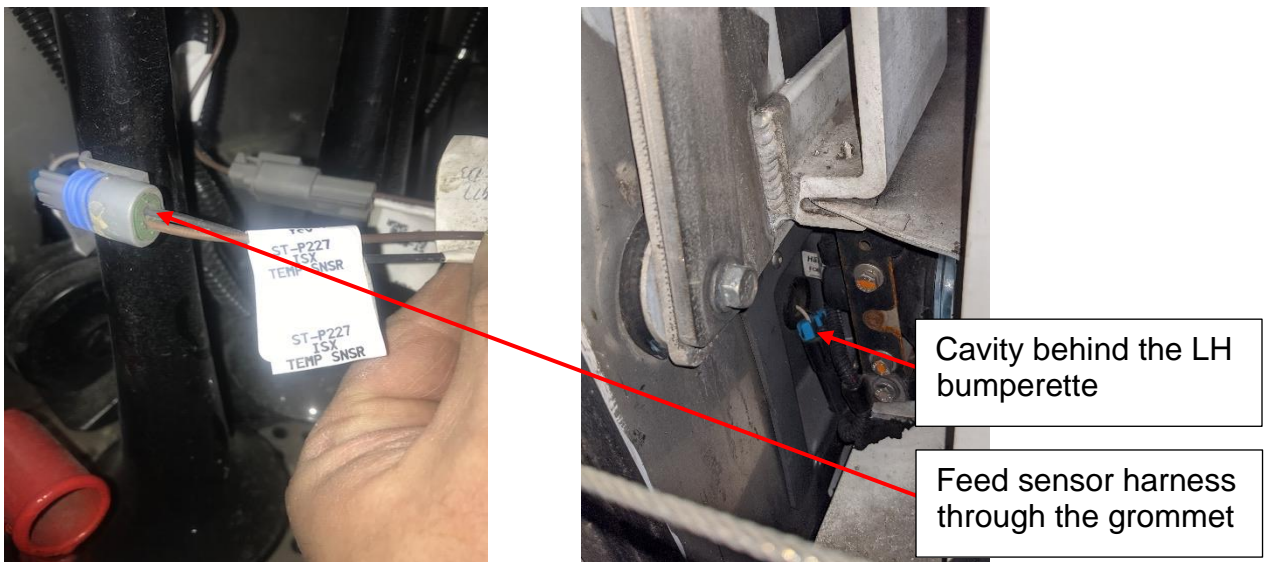
Pull the grommet through which the fog light harness is fed to the exterior.



**NOTICE**

**CAUTION**

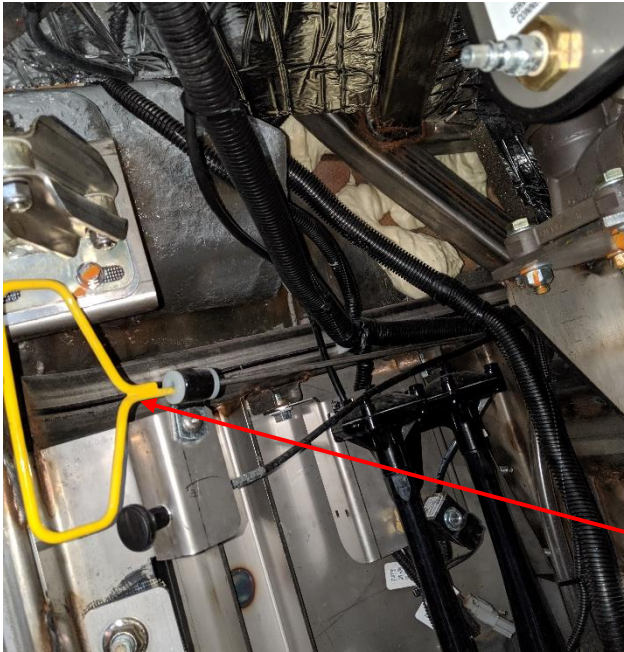
Do not damage the fog light harness passing through the grommet  
Feed the sensor harness through the grommet into the cavity behind the LH bumperette.



Re-install the grommet.

### 5.3 Re-installing the ambient temperature sensor

Pull the front bumper link to open the front bumper.



Pull the front bumper link

Re-connect the harness to the ambient temperature sensor.

Remove and save the bottom bolt of the LH bumperette.



Remove and save the bolt

Install the ambient temperature sensor to the bumperette at the location of the bottom bolt using a p-clamp, MCI P/N: 19-4-47, and existing bolt.



Install ambient temperature sensor using p-clamp and existing bolt

**Make sure to face the sensor upwards as shown in the picture above.**

**End of the procedure**