

SAFETY RECALL

SR22-86

Date Expiration Group No. Page
12.2022 NA 1(8)

First Release

12-23-2022

EMERGENCY LIGHTS SYSTEM (ELS)- SENSOR ORIENTATION INSPECTION 9700 (B13R)

MODEL YEAR(S) AND VEHICLE SERIAL NUMBERS (VIN) INVOLVED

| NOTICE TO SERVICE CENTERS | | |
|---|-----------------------------------|-----------------------------------|
| <i>Verify vehicle eligibility by checking recall status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.</i> | | |
| Model | VIN | |
| Volvo 9700 us/can Model Year : 2023 | 3CET2W423 <u>P520</u> 9574 | 3CET2W420 <u>P520</u> 9581 |
| | 3CET2W425 <u>P520</u> 9575 | 3CET2W422 <u>P520</u> 9582 |
| | 3CET2W427 <u>P520</u> 9576 | 3CET2W424 <u>P520</u> 9583 |
| | 3CET2W429 <u>P520</u> 9577 | 3CET2W425 <u>P520</u> 9589 |
| | 3CET2W420 <u>P520</u> 9578 | 3CET2W421 <u>P520</u> 9590 |
| | 3CET2W422 <u>P520</u> 9579 | 3CET2W423 <u>P520</u> 9591 |
| | 3CET2W429 <u>P520</u> 9580 | 3CET2W425 <u>P520</u> 9592 |
| This recall does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this recall will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned. | | |

DESCRIPTION

On the vehicles affected by this recall, confirm the emergency light sensors are well and truly installed in the appropriate orientation.

PROCEDURE

|  DANGER |
|--|
| <p>Park vehicle safely, apply parking brake, stop the engine. In the battery box, set the battery cut-off switch to the OFF position prior to working on the vehicle.</p> <p>Lockout & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.</p> |

System Overview

| Demarcation | Description |
|-------------|----------------------|
| A | Light Control Module |
| B | Battery Module |
| C | Sensor |
| D | Lamp |

Figure 1: sensor location item C, 4 sensors



Figure 2: sensor

The ELS has four sensors located along the bus.

SAFETY RECALL

SR22-86

| Date | Expiration | Group | No. | Page |
|---------|------------|-------|-----|------|
| 12.2022 | NA | | | 3(8) |

- These four sensors are located at:
- the electric center behind the driver's seat
 - in the first and third luggage compartments
 - in the floor second service hatch.

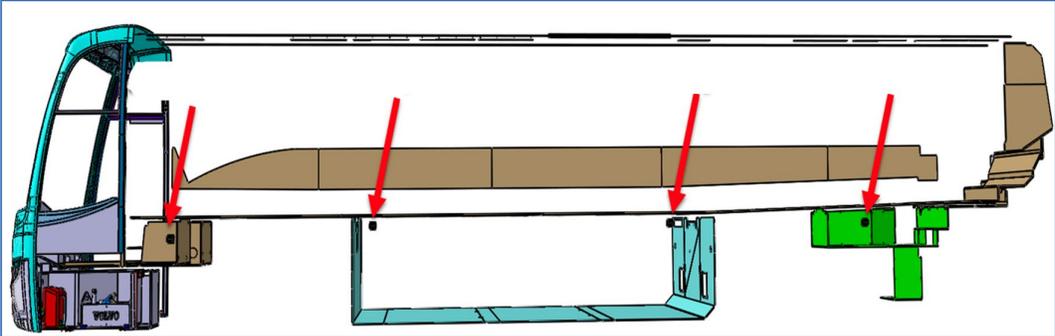


Figure 3: 4 sensors location

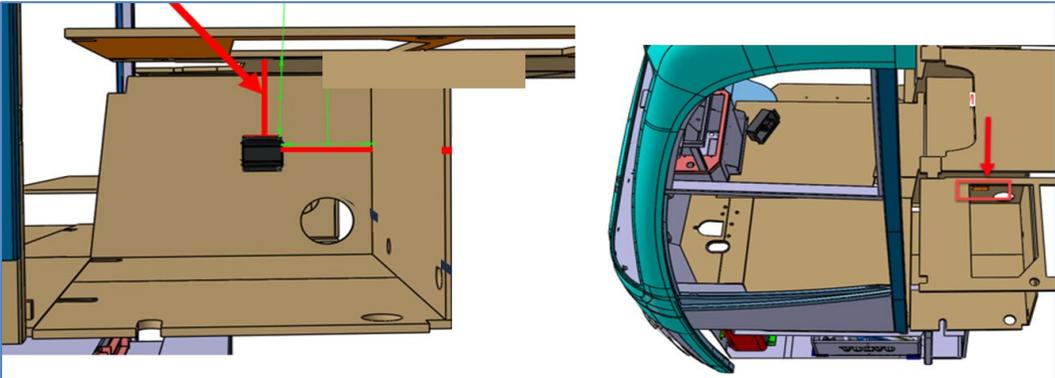


Figure 4: 1st

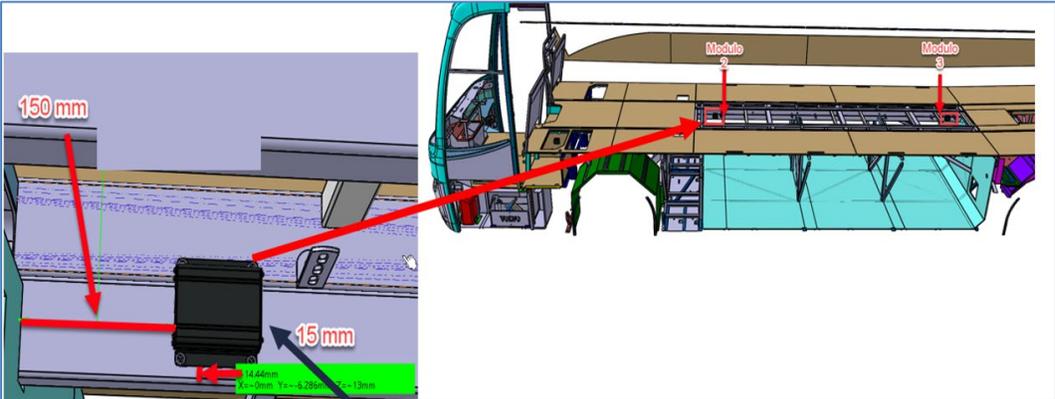


Figure 5: 2nd

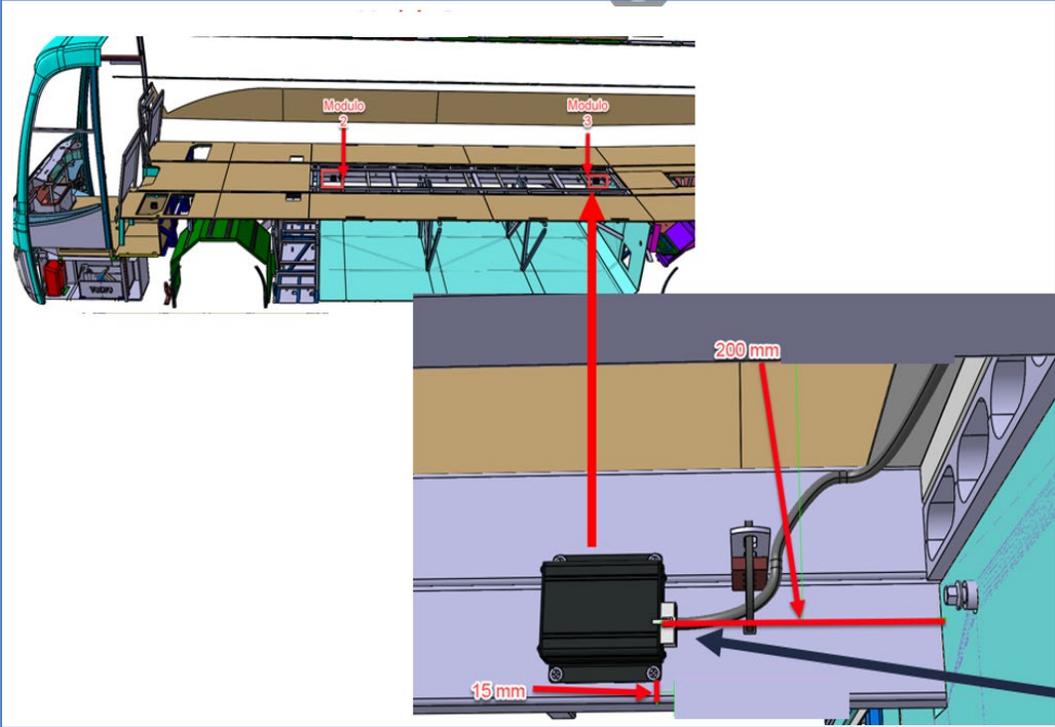


Figure 6: 3rd

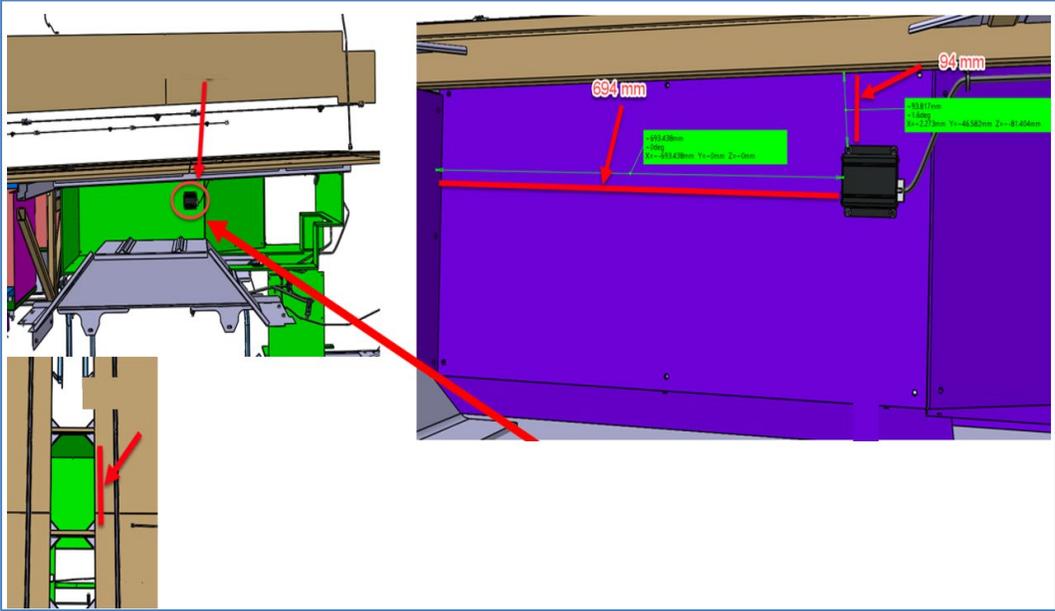


Figure 7: 4th

PART 1 - INSPECTION

- 1) Turn the engine off.
- 2) Open the service lid for each of the four (4) sensors.
- 3) Check for proper orientation of the sensors. Confirm the axes on the sensor decal line up with the vehicle axes.

The sensors just need to be mounted so that the X, Y, and Z axes on the decal line up with the vehicle axes. It does not matter if the X points to front or back of the bus, the top or bottom of the bus, or to either side of the bus. Just line up the sensor so that it lines up with one of the vehicle axes. The Y and Z should also point to one of them.

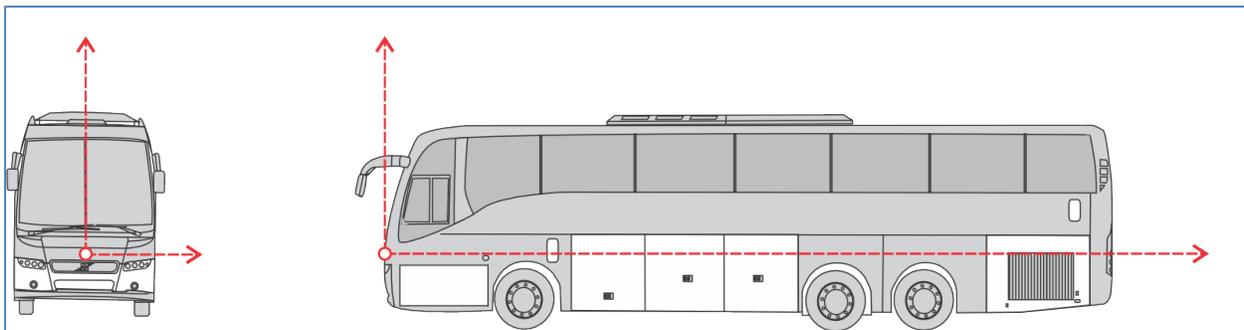


Figure 8: vehicle axes

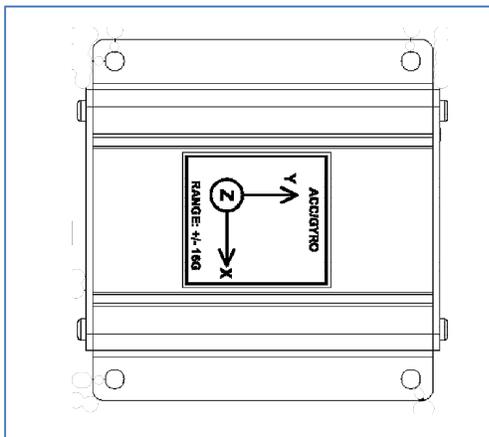


Figure 9: sensor with axes decal

- 4) If sensor axes are lined up with the vehicle axes, no corrective measures are required. This ends the bulletin.

PART 2 – CORRECTIVE MEASURES (if applicable)

- 1) Remove the key.
- 2) Wait at least 30 seconds.
- 3) Turn off the battery switch.
- 4) Remove the negative terminal from the battery.
- 5) Correct the orientation the sensor where required.
- 6) Disconnect the sensor.

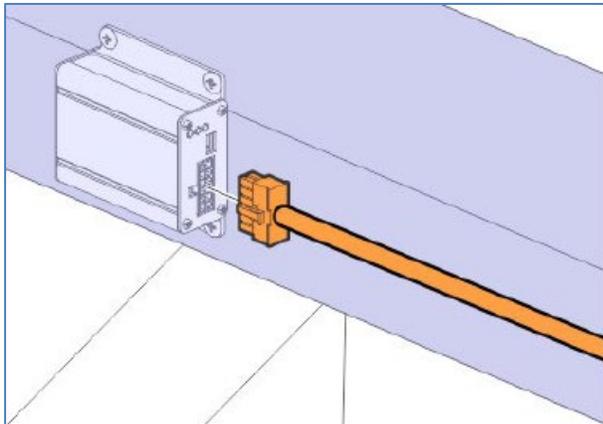


Figure 10

- 7) Remove the sensor

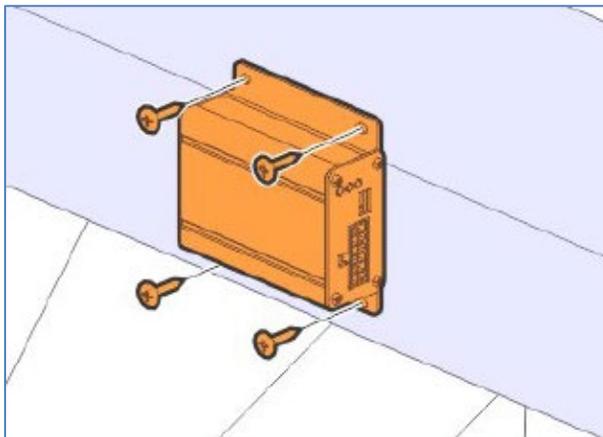


Figure 11

- 8) Reinstall the sensor in proper orientation and connect. Screws P/N 70368861.

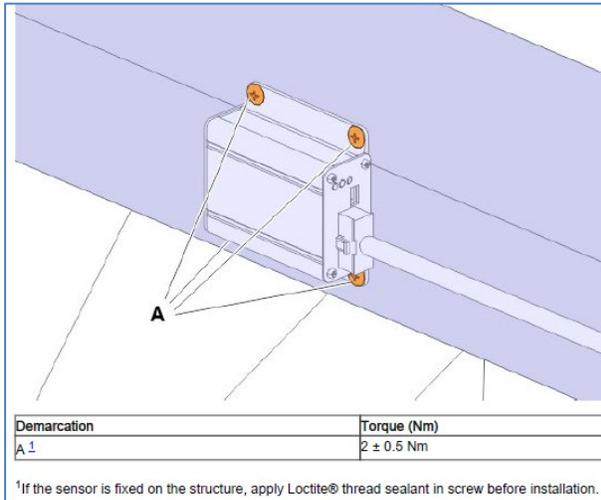


Figure 12

- 9) Turn ON the vehicle.
 - a) Connect the negative terminal to the battery.
 - b) Turn on the battery switch.
 - c) Wait at least 30 seconds.
 - d) Insert the key.

SAFETY RECALL

SR22-86

| | | | | |
|---------|------------|-------|-----|------|
| Date | Expiration | Group | No. | Page |
| 12.2022 | NA | | | 8(8) |

PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State [Prov.]/ Federal)

WARRANTY

This modification is covered by Prevest's normal warranty. We will reimburse you 3/4 hour(s) (0.75) of labor upon receipt of a completed A.F.A. Please submit claim via our Online Warranty System, available at www.prevestcar.com (under Service \ Warranty section). Use Claim Type: "Bulletin/Recall" and select "Safety Recall SR22-86".

OTHER

| | |
|--------------|--------|
| VBC Bulletin | C0282 |
| Fail Code | 23.00 |
| Defect Code | 00.09 |
| Syst.Cond. | R |
| Causal Part | 500641 |

Access all our Service Bulletins on <http://prevostparts.volvo.com/technicalpublications/en/publications> or scan the QR-Code with your smart phone.

E-mail us at technicalpublications_prev@volvo.com and type "ADD" in the subject to receive our warranty bulletins by e-mail.



Prevest engages in a continuous program of testing and evaluating to provide the best possible product. Volvo Bus, however, is not committed to, or liable for updating existing products.