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## 2011 CHEVROLET Silverado 1500 Regular Cab OEM Service and Repair Workshop Manual

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| Callout | Component Name |
| --- | --- |
| | Refer to Fastener Caution.<br><br>**Procedure**<br>1. Loosen the hood hinge reinforcement nuts (Qty: 4).<br>2. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders, the headlamps and the grille so that the hood is flush with both fenders on the front edge, the front grille and the headlamps.<br>3. Loosen and adjust the hood primary and secondary latch and the hood bumpers as necessary to obtain the adjustment.<br>**Adjustment**<br>• Hood to front fender (a) 4.0 mm ± 1.0 mm (0.16 in ± 0.04 in)<br>• Hood to headlamp (b) 4.0 mm ± 1.0 mm (0.16 in ± 0.04 in)<br>• Hood to grille (c) 5.4 mm ± 1.0 mm (0.21 in ± 0.04 in)<br><br>Tighten<br>25 N·m (18 lb ft) |

- **If there is only one LIN device**

1. Ignition/Vehicle OFF, inspect both harness and component connectors for contamination, corrosion, and terminal tension.
2. Reconnect the harness connectors at the LIN device. Verify all connectors/terminals are fully seated.
3. Ignition ON/Vehicle In Service Mode.
4. Verify the DTC is not set again.
    - If the DTC is set, replace the LIN device that is not communicating.
    - If the DTC is not set
5. A fault is currently not present and may be an intermittent condition.

- **If there are two or more LIN devices**

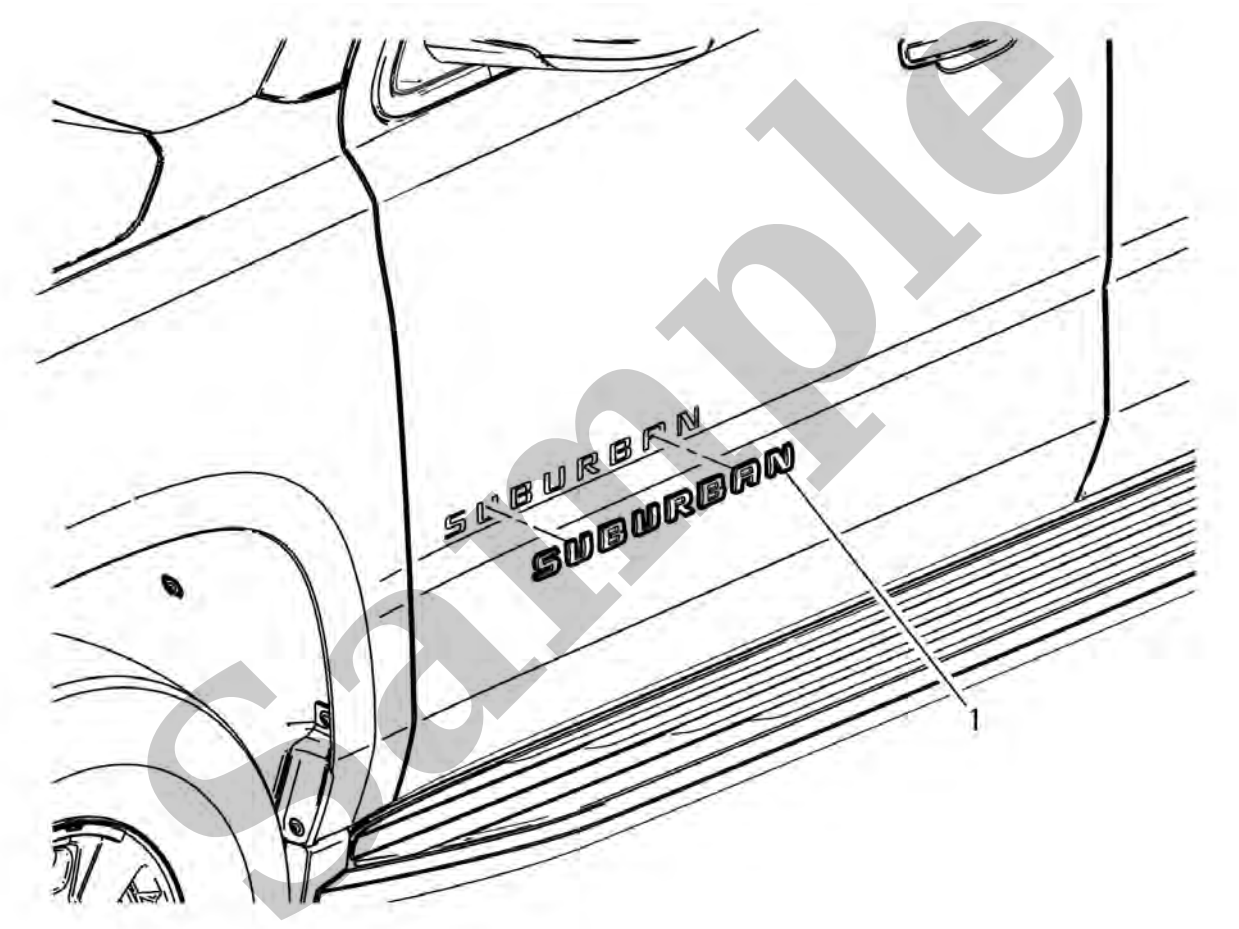
11. Ignition/Vehicle OFF, disconnect the harness connectors at the K20 Engine Control Module.
12. Reconnect the harness connectors at the first LIN device.
13. Ignition ON/Vehicle In Service Mode.
14. Test for 3.5-12 V between the LIN serial data circuit terminal at the K20 Engine Control Module and ground.
    - **If less than 3.5 V or greater than 12 V**

      Replace the LIN device that was just connected.
    - **If between 3.5-12 V**
15. Ignition/Vehicle OFF, reconnect the harness connectors at another LIN device.
16. Ignition ON/Vehicle In Service Mode.
17. Test for 3.5-12 V between the LIN serial data circuit terminal at the K20 Engine Control Module and ground.
    - **If less than 3.5 V or greater than 12 V**

      Replace the LIN device that was just connected.
    - **If between 3.5-12 V**
18. Repeat steps 15-17 for the remaining LIN devices until a faulty LIN device is identified. If there is no faulty LIN device, replace the M60A Active Grille Air Shutter 1 Motor Module/M96A Active Grille Air Shutter 1 Actuator.

# Front Side Door Emblem/Nameplate Replacement

## Front Side Door Emblem/Nameplate Replacement (Suburban)






**Front Side Door Emblem/Nameplate Replacement**

| Callout | Component Name |
|---|---|
| 1 | Front Side Door Vehicle Nameplate<br>**CAUTION**<br>**Caution** |

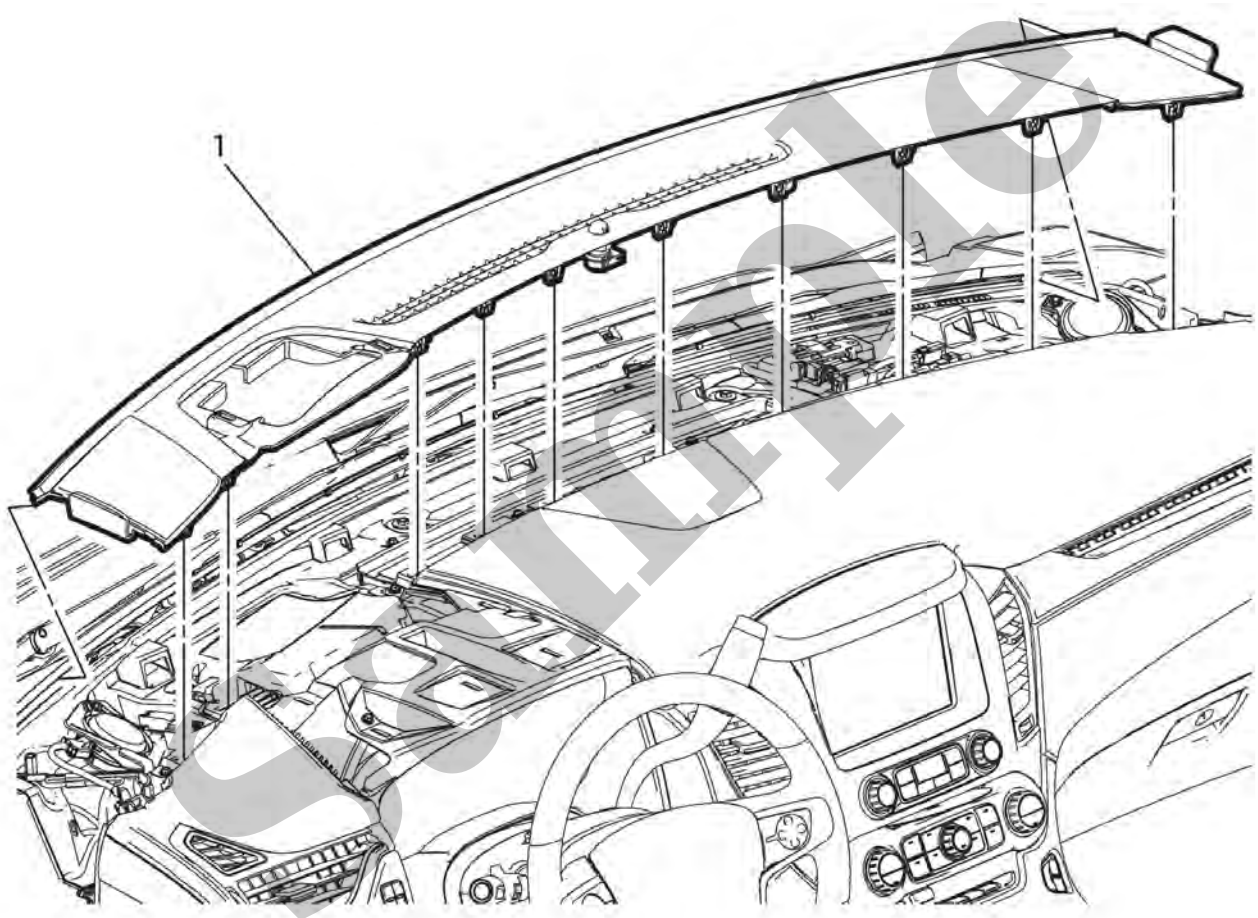
| Callout | Component Name |
| --- | --- |
| When a lift gate hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury.<br><br>**Preliminary Procedure**<br>1. Remove the rear end spoiler. Refer to Rear End Spoiler Replacement.<br>2. Disconnect the rear defogger electrical connectors.<br>3. Disconnect the liftgate window support struts. Refer to Liftgate Strut Replacement. | |
| 1 | Rear Compartment Lift Window Hinge C-Clip (Qty: 2)<br>**Procedure**<br>Remove both c-clips from rear compartment lift window hinge pins. |
| 2 | Rear Compartment Lift Window Hinge Pin (Qty: 2)<br>**Procedure**<br>Lift the window upward and slide window outward off of the pins. |
| 3 | Rear Compartment Lift Window<br>**Procedure**<br>Transfer all necessary parts. |

| Callout | Component Name |
| --- | --- |
| | **CAUTION**<br>**Caution**<br>Refer to Fastener Caution.<br>Tighten<br>2.5 N·m (22 lb in) |
| 2 | Rear Wheelhouse Liner Plastic Retainer (Qty: 2) |
| 3 | Rear Wheelhouse Liner<br>**NOTE**<br>**Note**<br>Disconnect any electrical harnesses/connectors and attached parts from the right side wheelhouse liner as needed. |

YOUR CURRENT VEHICLE

# Windshield Defroster Nozzle Grille Replacement

**Windshield Defroster Nozzle Grille Replacement (Chevrolet / GMC)**






**Windshield Defroster Nozzle Grille Replacement**

| Callout | Component Name |
|---|---|
| | **Preliminary Procedures** |
| 1. | Remove the Left and right windshield garnish molding. Refer to Windshield Garnish Molding Replacement. |

- **If the test lamp is always OFF**

1. Ignition OFF, disconnect the X1 harness connector at the K101 Trailer Interface Control Module.
2. Test for infinite resistance between the control circuit and ground.
    - If less than infinite resistance, repair the short to ground on the circuit.
    - If infinite resistance
3. Test for less than 2 Ω in the control circuit end to end.
    - If 2 Ω or greater, repair the open/high resistance in the circuit.
    - If less than 2 Ω, replace the K101 Trailer Interface Control Module.

- **If the test lamp is always ON**

1. Ignition OFF, disconnect the X1 harness connector at the K101 Trailer Interface Control Module, ignition ON.
2. Test for less than 1 V between the control circuit terminal and ground.
    - If 1 V or greater, repair the short to voltage on the circuit.
    - If less than 1 V, replace the K101 Trailer Interface Control Module.

- **If the test lamp turns ON and OFF**

8. Test or replace the X88 Trailer Connector.

**Trailer Turn Signal Lamps Malfunction**

1. Ignition OFF, exterior lamps OFF, disconnect the X1 and X2 harness connectors at the K101 Trailer Interface Control Module.
2. Test for less than 5 Ω between the ground circuit terminal 1 X2 and ground.
    - **If 5 Ω or greater**

    1. Ignition OFF.
    2. Test for less than 2 Ω in the ground circuit end to end.
        - If 2 Ω or greater, repair the open/high resistance in the circuit.
        - If less than 2 Ω, repair the open/high resistance in the ground connection.

    - **If less than 5 Ω**

3. Ignition ON.
4. Verify a test lamp illuminates between the B+ circuit terminals listed below and ground.

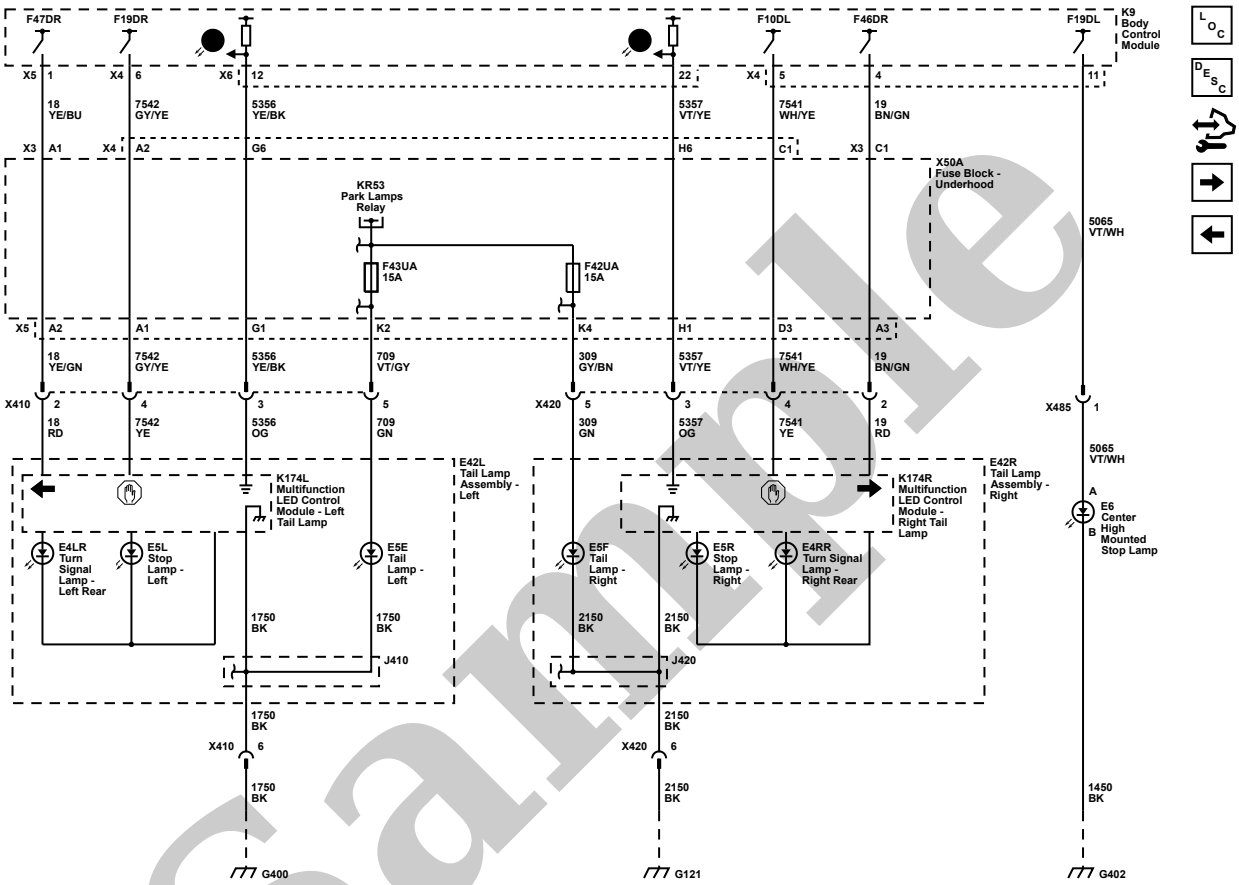
**K174L** K174L Multifunction LED Control Module - Left Tail Lamp (Z75 or Z88)

Tail Lamp Components (Z75)

Tail Lamp Components (Z75)

**K174R** K174R Multifunction LED Control Module - Right Tail Lamp (Z75 or Z88)

**CHMSL and Tail Lamps (Z75)**






Master Electrical Component List

Exterior Lighting Systems Description and Operation

Control Module References

Backup, License Plate and Rear Closure Hands Free Lamps

CHMSL and Tail Lamps (Z88)

**18** Left Rear Stop/Turn Signal Lamp Control

**18_YE/BU** 18 YE/BU

**19** Right Rear Stop/Turn Signal Lamp Control

**19_BN/GN** 19 BN/GN

**CAV_4** 4