

 Preview Solution CBR-2416-1

Volvo Chassis - Hood Tilt Switch Replacement And Interference Prevention Procedure With Extended Mounting Hardware - Model VAH And VHD

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Valid For

Volvo chassis - VAH and VHD models

Model years - 2018 to current

This CBR solution provides a step-by-step procedure to replace the hood tilt switch on Volvo Autohauler (VAH) and Volvo Heavy Duty (VHD) models, specifically for units equipped with bodybuilder applications that enable remote start/stop functionality outside the cab when the PTO (Power Take-Off) is engaged. The hood tilt switch is a critical safety component that disables remote start when the hood is opened or tilted.

Required Parts

Part Number	Description	QTY
994847	Washer	2
994784	6 Point Screw M6x12mm	2
23176247	Switch, Hood Tild	1

1. Park the Vehicle

- Ensure the vehicle is on a level surface.

2. Apply the Parking Brake

- Engage the parking brake to prevent movement.

3. Place Gear in Neutral

- Shift the gear lever to the neutral position.

4. Install Wheel Chocks

- Place wheel chocks on both sides of the rear tires to stabilize the vehicle.

5. Disconnect Battery

- Disconnect the battery cable from the negative terminal.

6. Raise the Hood

- Unlatch and raise the hood for access to the hood tilt switch.

Replacement Procedure

1. Replace the Hood Tilt Switch

- Carefully remove the existing hood tilt switch. Exercise caution to avoid damage to surrounding components or wiring.
- Install the new hood tilt switch, ensuring it is properly aligned with the mounting bracket.

2. Replace Mount Screws

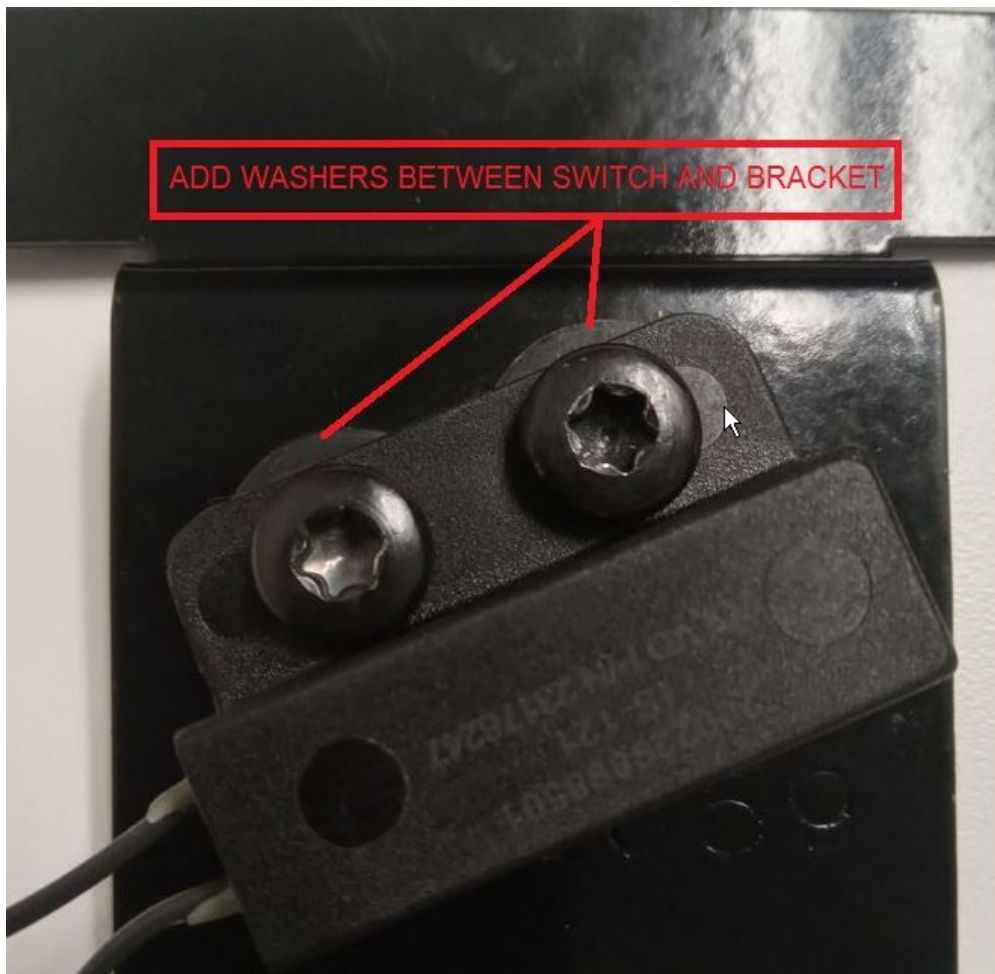
- Remove both existing mount screws that secure the hood tilt switch to the bracket. (Ensure all bracket fasteners are present and securely tightened.)
- Replace them with longer screws to ensure a more secure and stable connection of the hood tilt switch to the bracket.

3. Add Washers

- Insert additional washers between the hood tilt switch sensor and the bracket.
- The added washers are essential to prevent any potential signal interference with the switch magnet, ensuring proper functionality of the hood tilt switch.

4. Final Check and Testing

- Confirm that all components, including the hood tilt switch, mount screws, and washers, are securely fastened.
- Test the hood tilt switch by attempting to initiate the remote start function with the hood open or tilted. The remote start should not function when the hood is tilted, as a safety measure.



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