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Coding Information

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Title: Battery Disconnect Switch Replacement - Best Practices

Applies To: All Models with Battery Disconnect Switch

CHANGE LOG

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

02/28/2025 - Initial Article Release

DESCRIPTION

This document will guide the user through additional steps that can be taken when replacing a failed battery disconnect switch, that can extend the service life of the replacement battery switch.

NOTE: The steps outlined below are only "best practice" recommendations and are not required for every battery disconnect switch replacement.

NOTE: The steps below should not be performed proactively but only when a battery disconnect switch is replaced.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
N/A	

Customer Observations or Concerns:

- Battery disconnect switch failure due to excess corrosion.

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
N/A			

[Tools Resource Center](#)

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Switch, Battery Disconnect	3554630C91	1	
Dielectric Grease	Source Locally	1	
Non-metallic Isolating Washers	Source Locally	2	<ul style="list-style-type: none">• Rubber or nylon• 0.75in ID, 1.125in OD Max

DIAGNOSTIC STEP(s)

No diagnostic steps are necessary.

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

REMOVAL PROCEDURE:

1. Park the vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.
2. Remove the ground cable from the negative terminal of the battery.
3. Remove the control knob, locking nuts, lock washer, and faceplate from the disconnect switch.
4. Lower the disconnect switch through the floor and remove the battery cables from the switch assembly.
5. Removal complete.

INSTALLATION PROCEDURE:

1. Connect the battery cables to the replacement battery disconnect switch.
2. Apply a liberal amount of dielectric grease to the locations called out in **Figure 1**.
3. Install the first rubber washer over the threaded section of the disconnect switch.
4. Position the disconnect switch through the hole in the cab floor.
5. Install the second rubber washer over the threaded section of the disconnect switch.
6. Install the lock washer and the first retaining nut over the rubber washer.
7. Install the label faceplate, followed by the last retaining nut.
 1. See **Figure 2** below for the order of installation.
8. Install control knob.
9. Reconnect the battery and test for proper operation of the battery disconnect switch.
10. Installation complete.

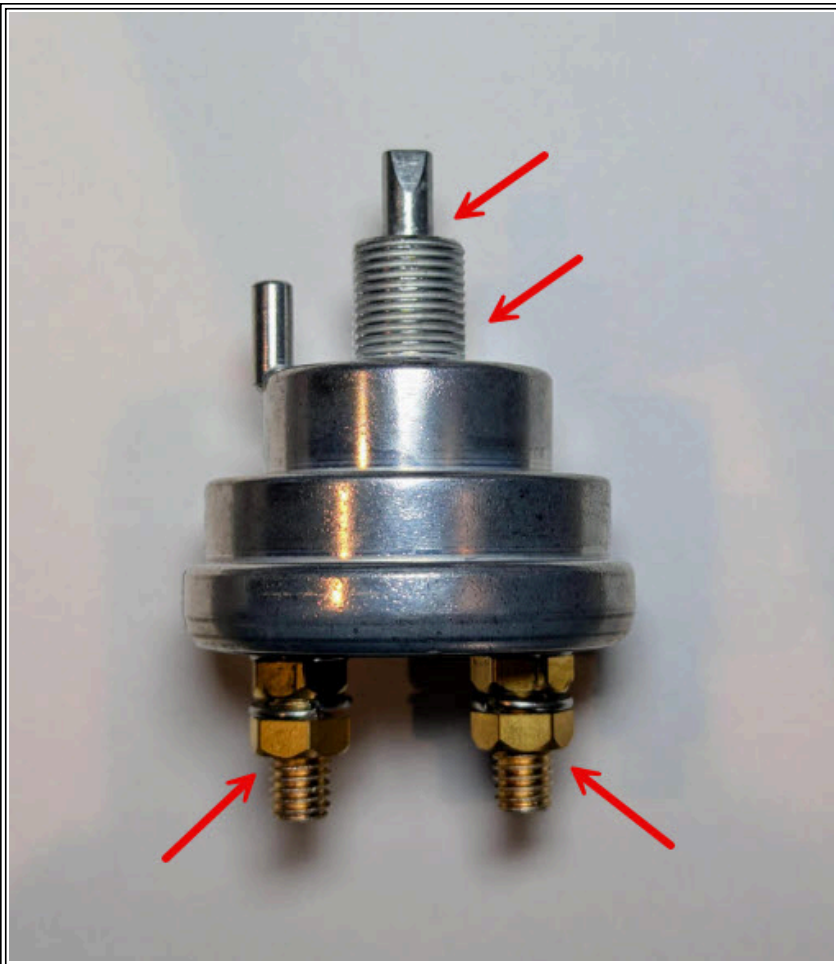


Figure 1: Locations of dielectric grease application

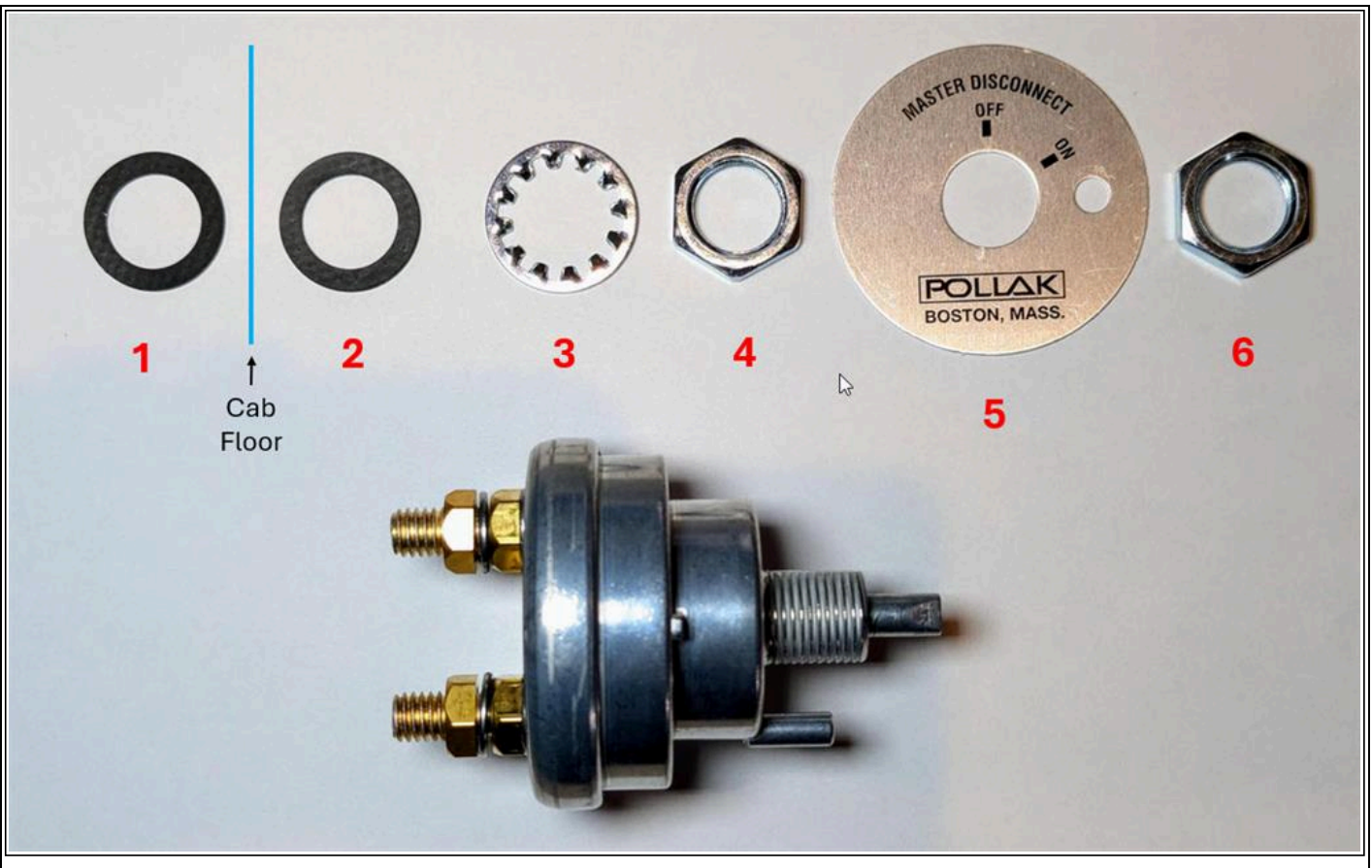


Figure 2: Battery Disconnect Switch Order of Installation

WARRANTY INFORMATION

Warranty Claim Coding:


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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