Service Campaign S2989 October 2025

VOLVO Service Campaign

ATVSA Chassis Switch Cover Replacement

Service Category Service

Section Function Group 3731

Technician Skill Level A **Market North America**

Applicability

VOLVO

Years	Models
2021-2023	VNRE

Introduction

Volvo Trucks has developed a new ATVSA (Automatic Traction Voltage System Activation) Chassis Switch Cover that improves the chassis switch lock out. The improved cover will allow for a more secure ATVSA switch lock out to help prevent inadvertent actuation of the switch.

Production Change Information

This bulletin applies to vehicles built within the specified production changes below.

Brand	Engine	Emission Level	Starting Build Date	Ending Build Date
Volvo	BEV	EM-ZE	31-March-2020	08-April-2022

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		**B**
Main Labor Code	**Description (Only use if inspection is completed and both compressors run.)**	**Hours**
1720-16-09-01 x 3	Miscellaneous, Campaign Labor	0.3
3100-09-01-06	Low Voltage System Decommissioning	0.3
3100-09-01-05	Low Voltage System Commissioning	0.3
Causal Part	**23997174**	
SCC Authorization Code	**S2989**	
Expiration Date	**July 29, 2026**	

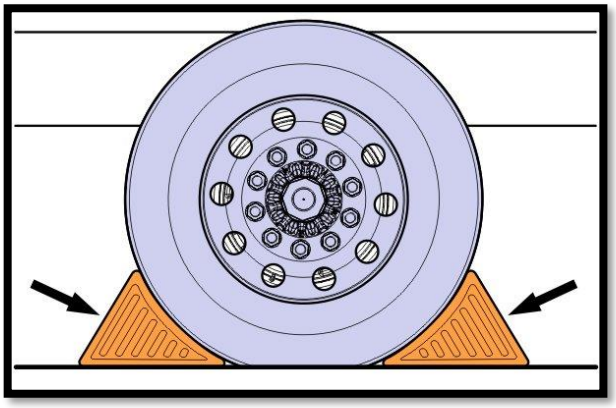
ATVSA Chassis Switch Cover Replacement

Parts Information

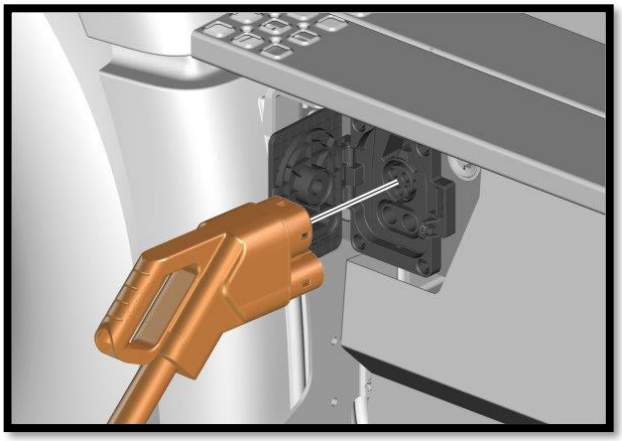
Part Numbers	Part Names	Quantity
24365522	Bracket-ATVSA Switch Cover	1

Repair Instructions

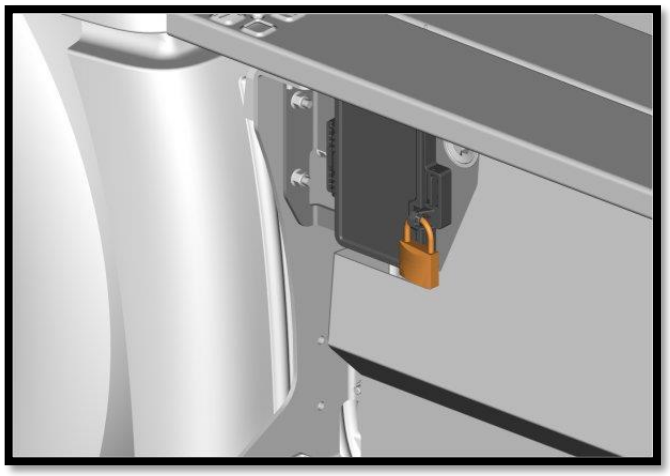
1. Park the vehicle on level surface.
2. Apply parking brake.
3. Place the transmission in park or neutral.
4. Turn off ignition.
5. Install wheel chocks.



6. Disconnect all external power supply or charging devices.



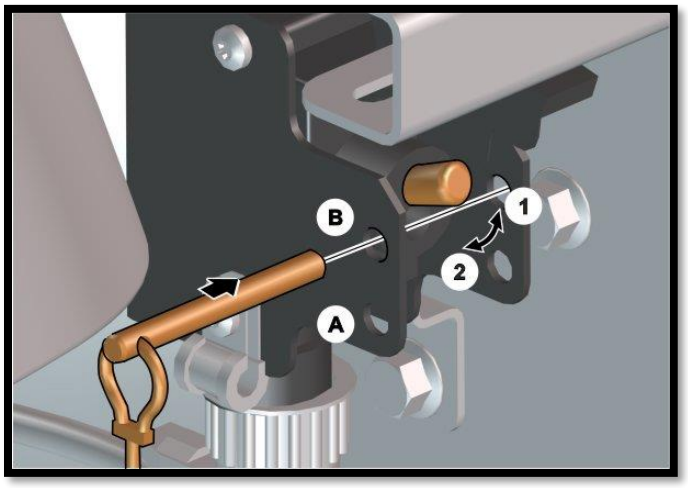
7. Lock the access to the CCS (Combined Charging System).



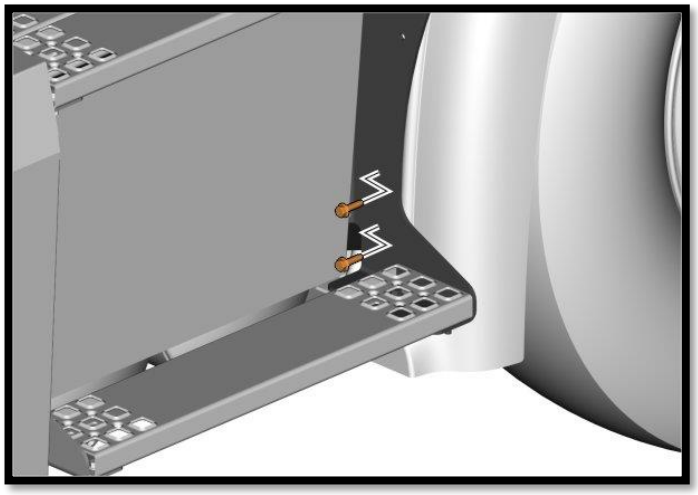
8. Set the chassis switch to position (1).
   Switch, position

Position	Status
1	OFF
2	ON

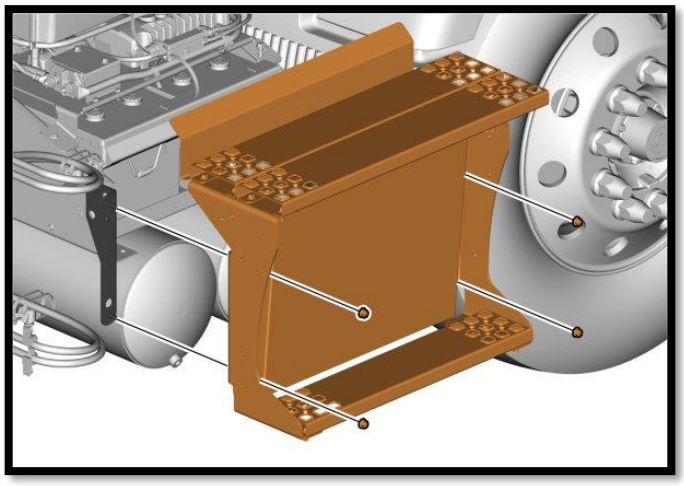
9. Remove the safety pin from the slot (A) and install in the slot (B).



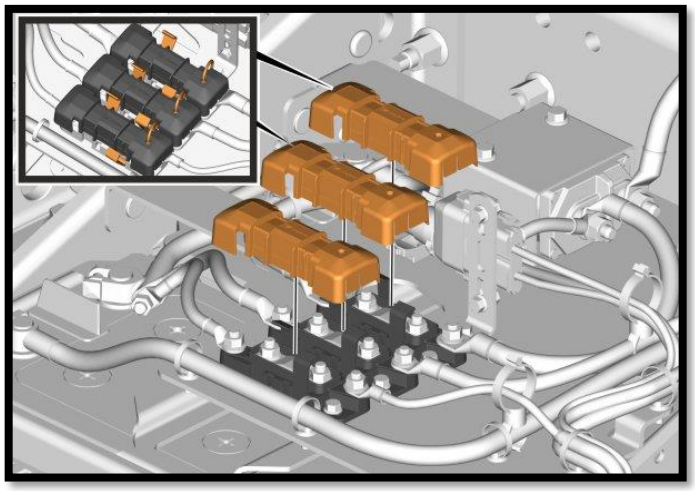
10. Remove battery cover bolts.



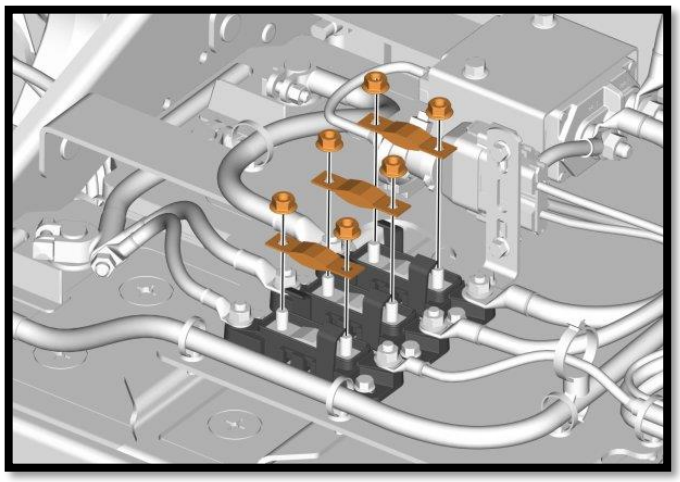
11. Remove battery cover nuts and remove cover.



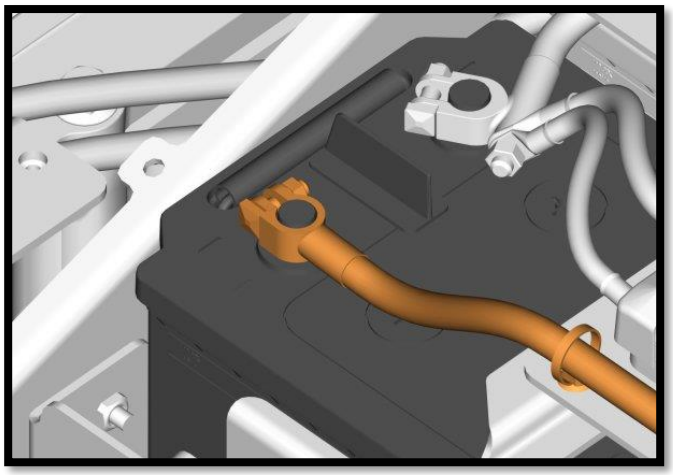
12. Remove fuse covers



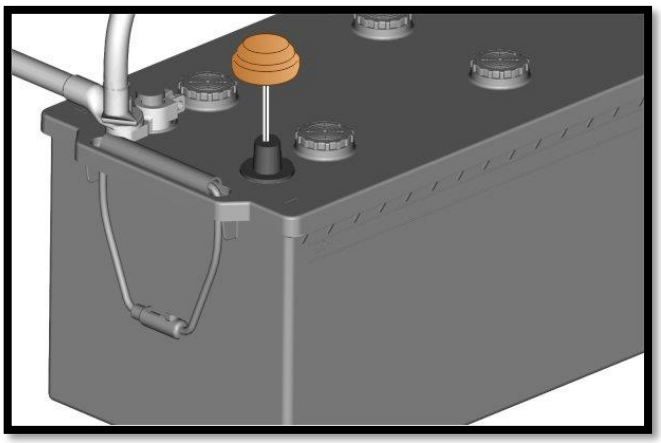
13. Remove Fuses.



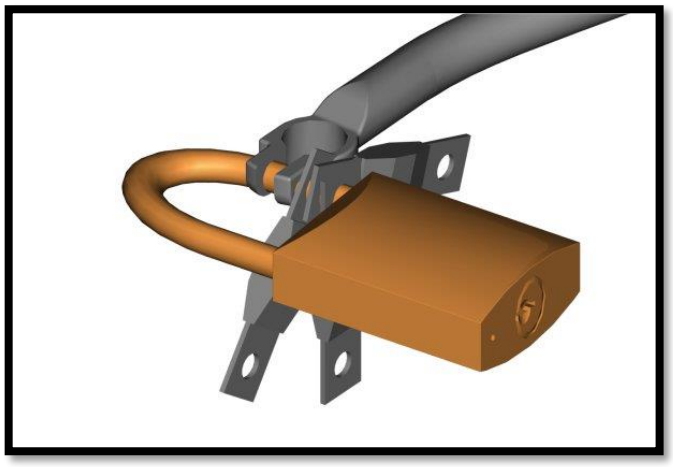
14. Disconnect the cable from the negative terminal.



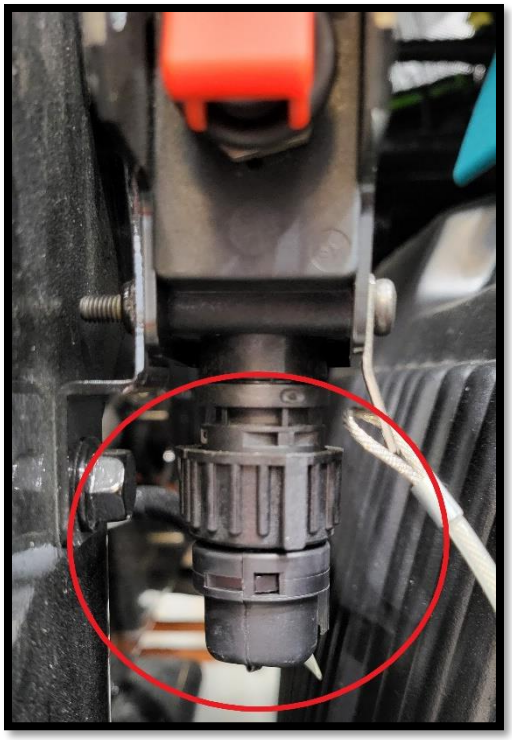
15. Cover negative battery post.



16. Lock the negative terminal along with fuses.



17. Disconnect ATVSA Chassis Switch.



18. Remove two bolts holding on the switch and its cover.



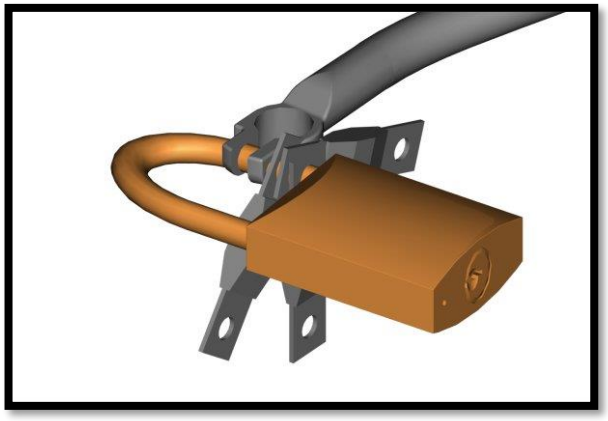
19. Remove switch from its cover and discard the switch cover.

20. Install switch into the new switch cover P/N 24365522.

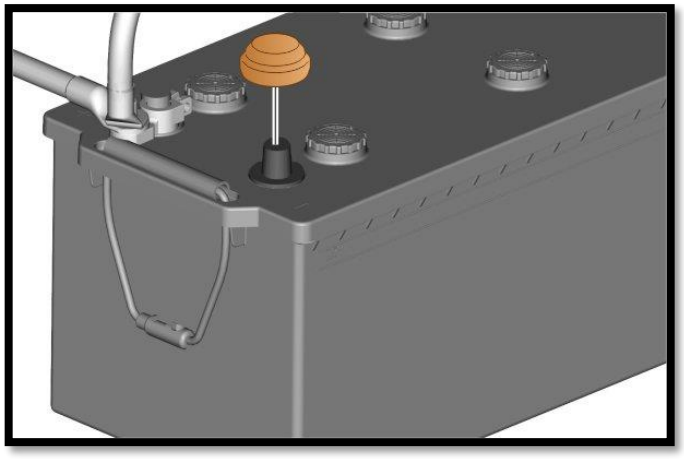
21. Install switch assembly using the two bolts removed in step 18.

22. Connect ATVSA switch.

23. Unlock the negative terminal and fuses.

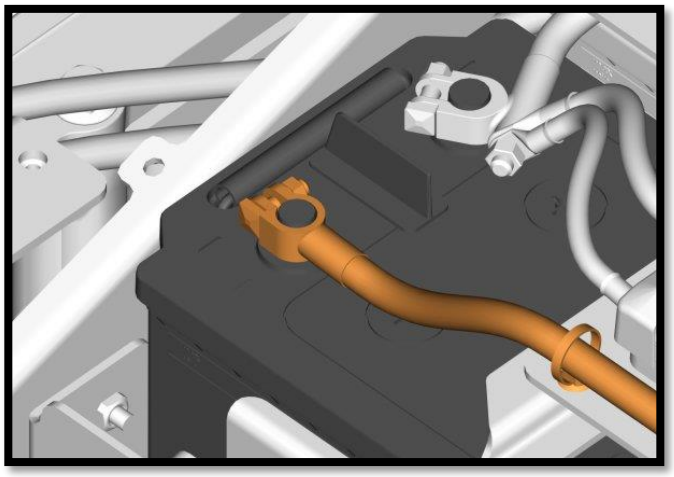


24. Remove negative battery post cover.



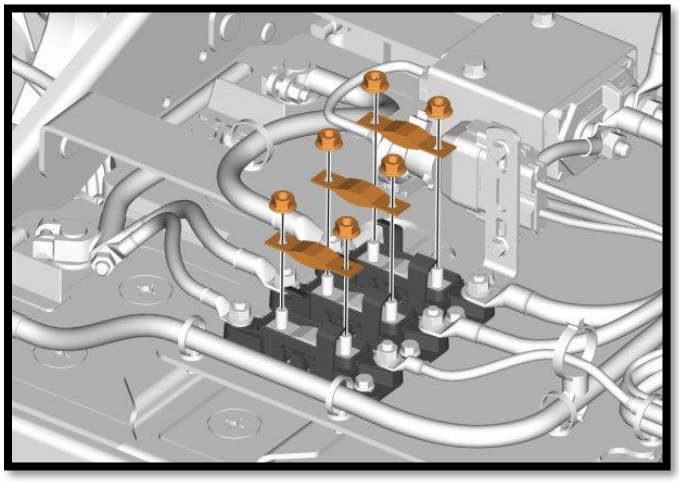
25. Connect the cable to the negative terminal.

Tightening torque	
Cable terminal, nut	4.5 ±0.5 Nm (3 ±0.4 lbf·ft)

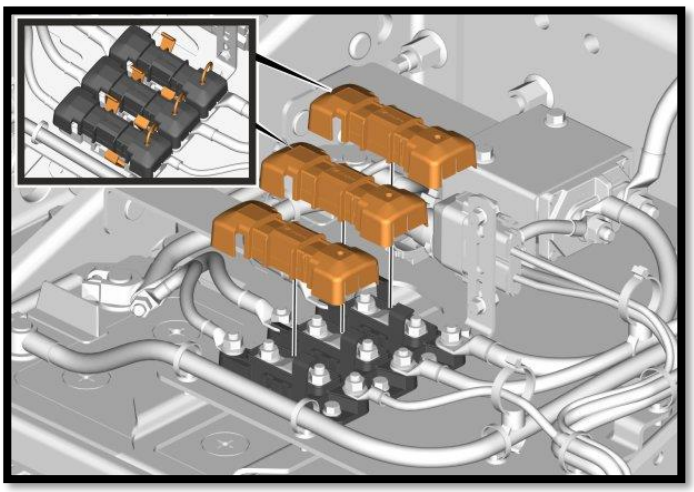


26. Install fuses.

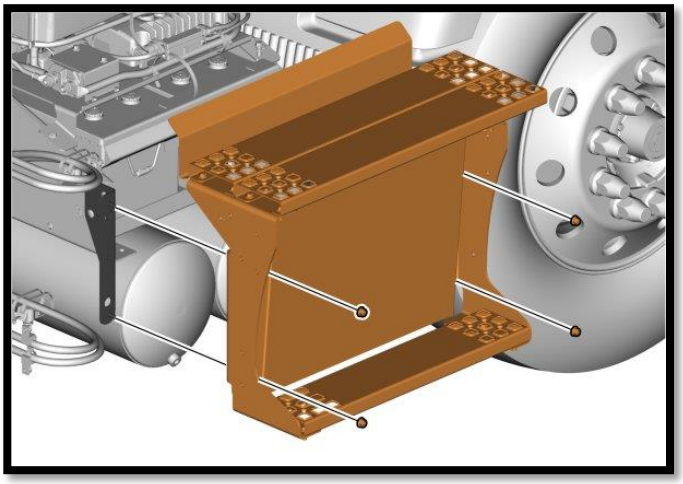
Tightening torque	
Fuse, nut	15 ±3 Nm (11 ±2 lbf·ft)



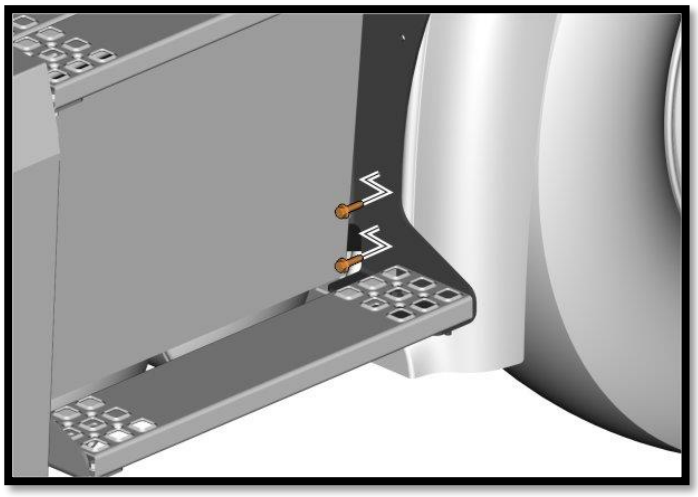
27. Install fuse covers.



28. Install battery cover and install nuts.



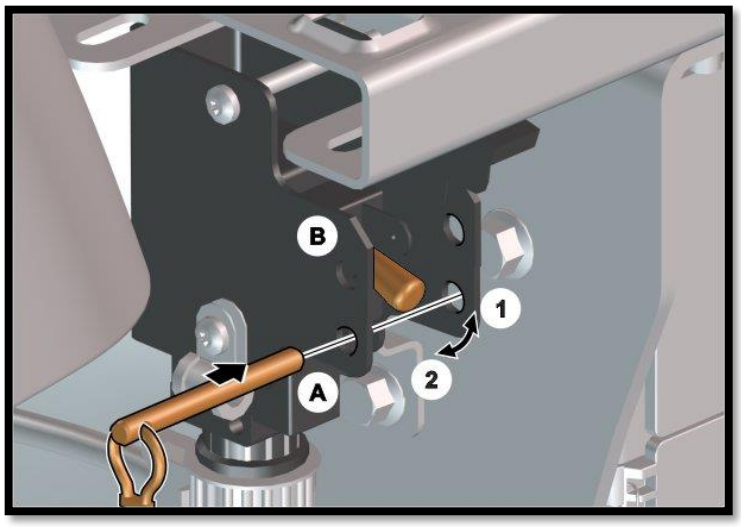
29. Install bolts.



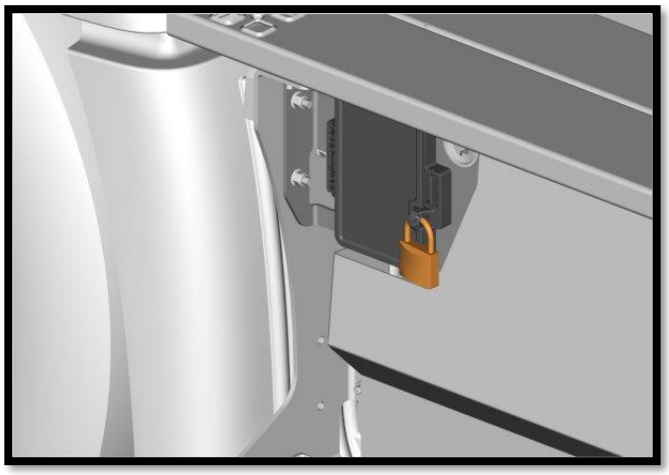
30. Remove the safety pin from slot (B) and install in slot (A).

31. Set the chassis switch to position (2).
    Switch, position

Position	Status
1	OFF
2	ON



32. Unlock the access to the CCS.



33. Release truck back to service.