



TECHNICAL SERVICES BULLETIN

Document ID: 8-23-GL-00-005

Bulletin Title: VF8 & VF9_AGS Pigtail Wiring Harness rework instructions

Released by: VF – GRSC

Date of issue: EN Version 1.0 / 22 May 2023

Applies to: VF Aftersales, Dealers and Showrooms

CHANGE HISTORY

Version	Status	Effective Date	Handled by	Approved by	Comments
1.0	Final	22 May 2023	Satishkumar Rajagopal	Nguyễn Phi Hùng	Initial EN Release

1.0) Overview

Market	Việt Nam, US & CAN
Applicability	The Purpose of this bulletin is to discuss rework at Dealer/Service center & Port PDI for the VF8 & VF9 model – AGS pigtail wiring harness rework
Field Action	Customer Quality Satisfaction Campaign
Implementation	VinFast will send customer communications (C-App/SMS/email/telephone call) relating to this field action. Dealerships and Showrooms shall apply this update to applicable vehicles (identified within DMS), when the applicable vehicles entering workshop during customer communication, regular service and/or an unrelated repair

2.0) Scope

Type	Break Point
	MY2023 – 999 + 1879 VIN of VF8 US & CAN model [VIN List] MY2022-2023 – 6295 VF8 Việt Nam model [VIN List] MY2023 – 504 VF9 Việt Nam model [VIN List]
- VF8 US & CAN - VF8 Việt Nam - VF9 Việt Nam	AGS pigtail wiring harness rework

3.0) Issue Description

Vehicle do not go to sleep which drains the 12V battery current due to Active Grille Shutter [AGS] sleep current is above specification.

4.0) Solution Summary

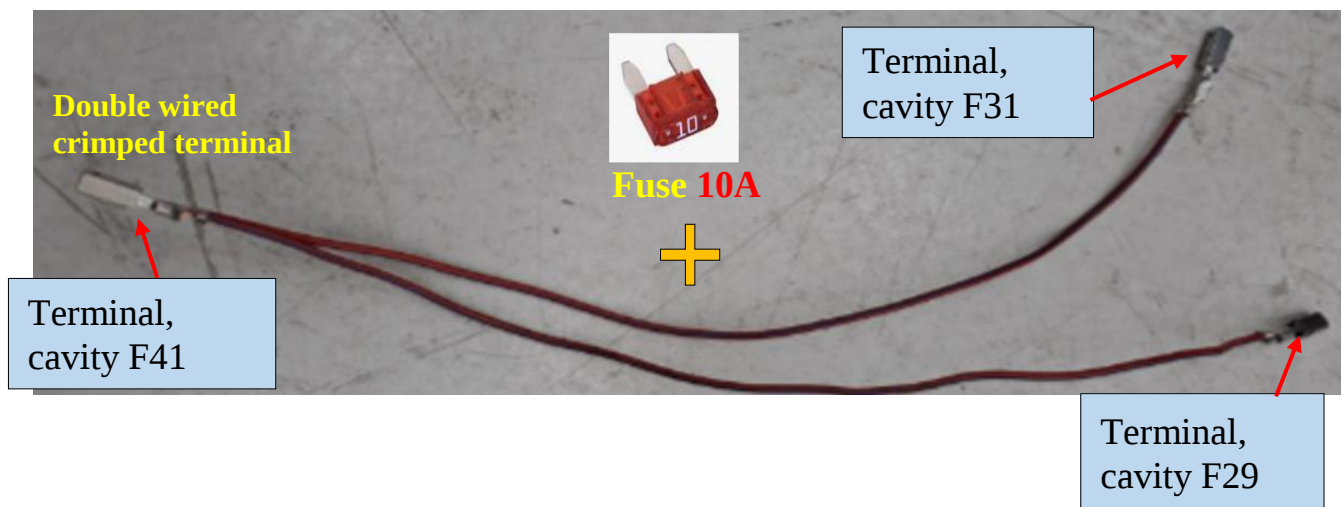
Apply new AGS pigtail harness part on engine fuse box of the vehicle.

5.0) Tools Required

SNo	Tool Name	Tool Image
1	Multi Meter	
2	Terminal removal tool	

6.0) Part readiness

- Below is the AGS pigtail wiring harness & Fuse 10A from the KIT [EEP30209456] used for rework.



7.0) Repair Instruction

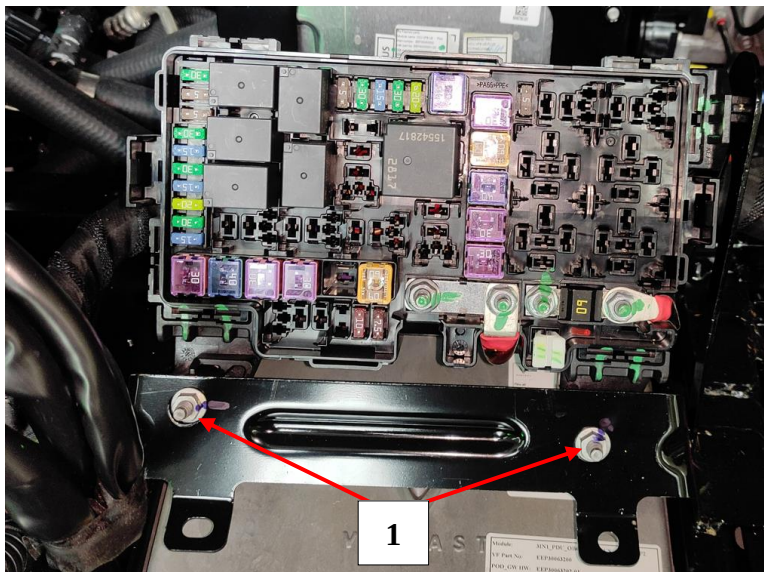
Strictly follow all requirements in this document.

IMPORTANT: During the whole process, it is important that you follow these steps to prevent any damage to trim or wiring harness.

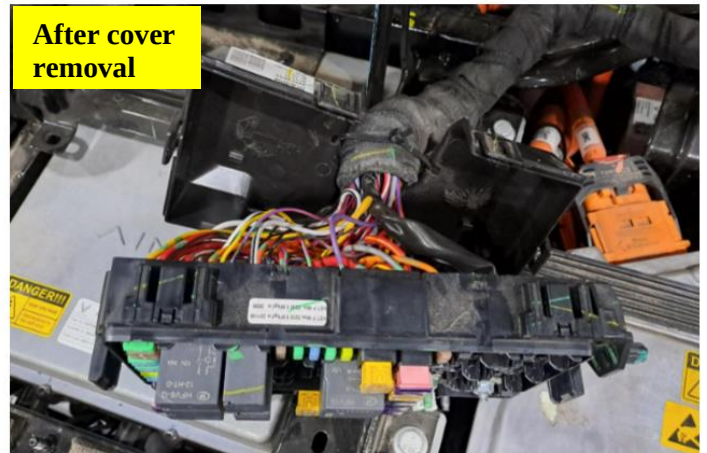
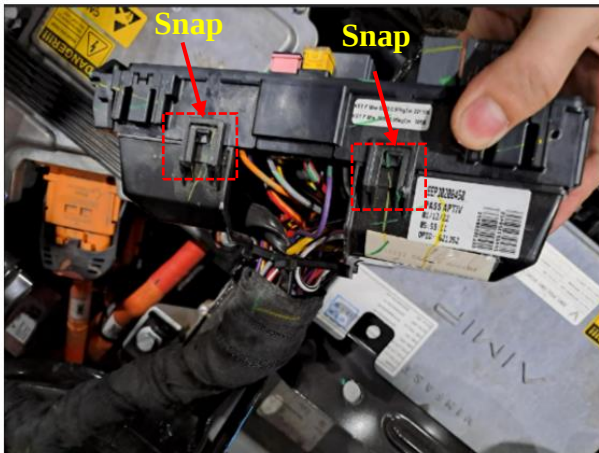
- i. Wear gloves to conduct the work.
- ii. Be careful not to damage the Trim, Body panel or Wiring Harness during removal and installation process.
- iii. If you have any difficulties or find any abnormalities with the vehicles or process, report it immediately to your Service Manager for escalation to GRSC.

Step 1: Remove Engine Fuse box

- i. Disconnect 12V Battery Negative Cable and refer to [12V Battery Negative Cable Disconnection/Connection – 1003300](#) for the Disconnection/Connection.
- ii. Remove Front trunk and refer to [Front Trunk Removal and Installation/Replacement – 1004424](#) for the Removal/Installation of the part.
- iii. Remove Engine fuse box by removing two nuts (1).
Torque: 5Nm



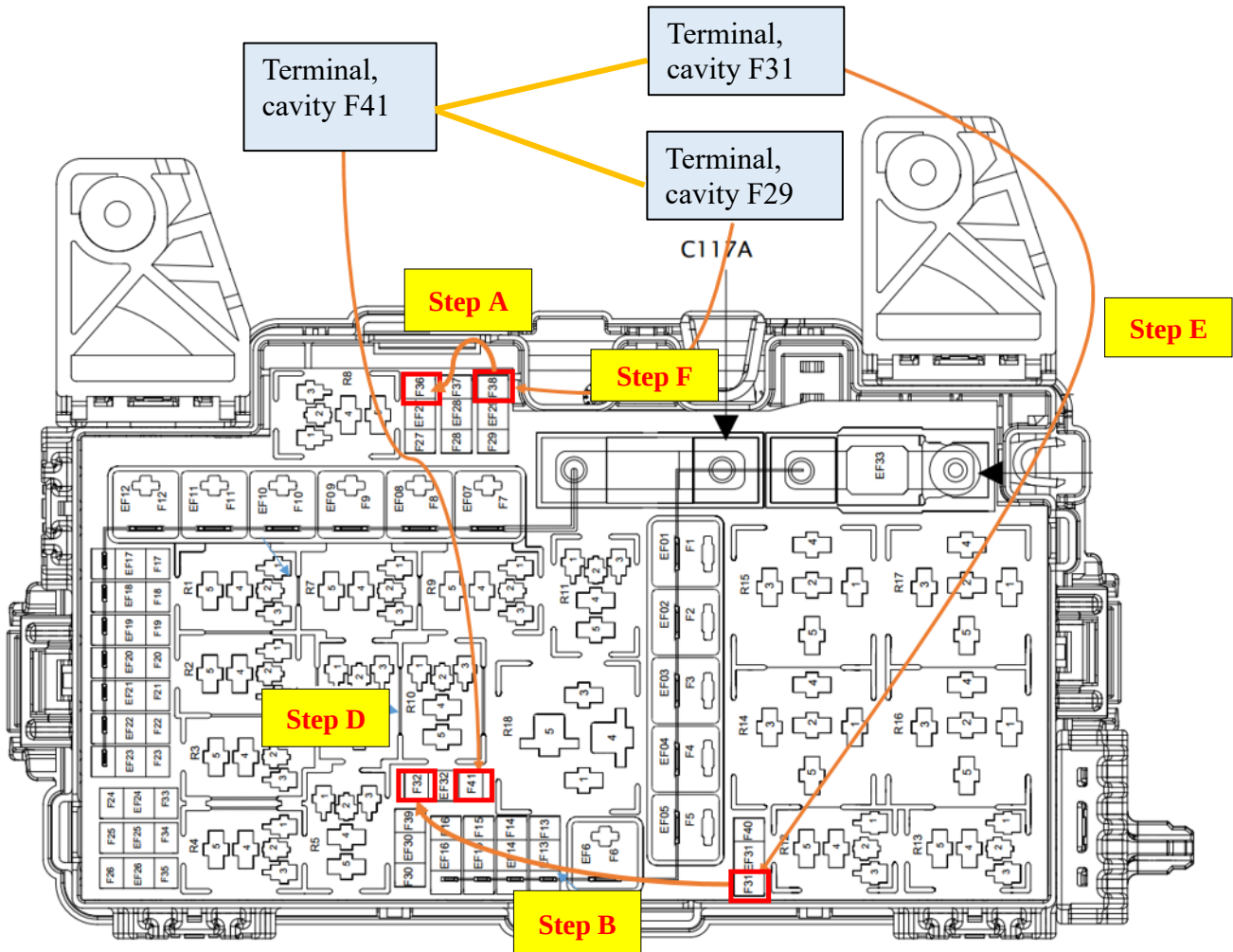
- iv. Remove Fuse box back cover by disengaging the 6 snaps at top, side & bottom



Step 2: Overview of Terminals interchange

- i. Refer below overview steps for the terminals interchange & pay attention to follow the steps correctly.

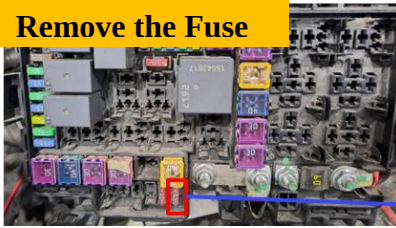
- A. Remove F38 and connect in F36
- B. Remove F31 and connect in F32
- C. Take AGS pigtail wire from kit
- D. Insert double wire crimped terminal in F41
- E. Insert another end of 1 wire to F31
- F. Insert another end of 1 wire to F38



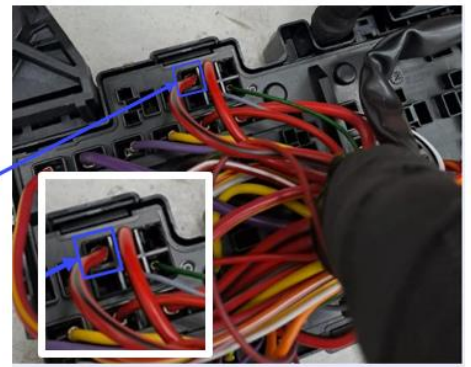
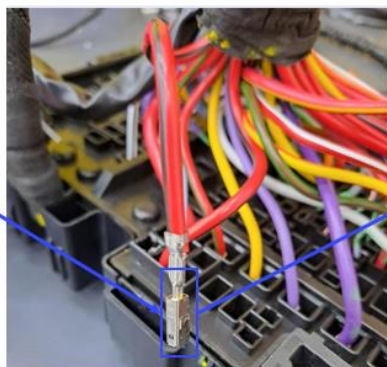
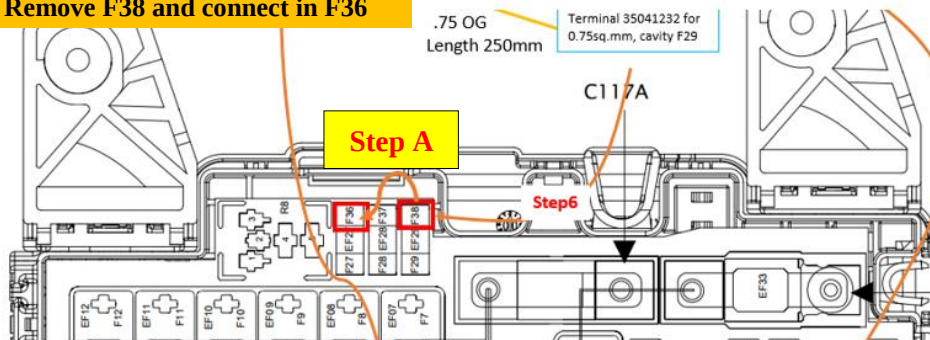
Step A: Remove F38 and connect in F36

Note: Remove the E-valve & AGS Fuse 7.5A as shown in below figure before removing the terminal

Remove the Fuse



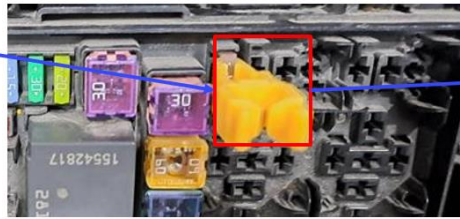
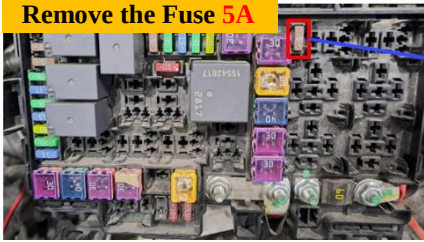
Remove F38 and connect in F36



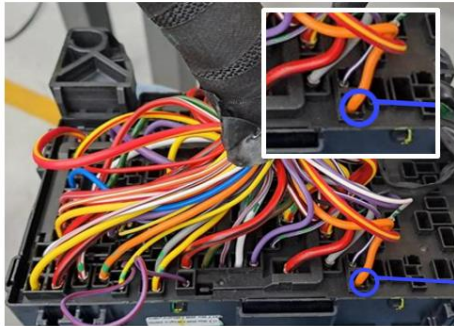
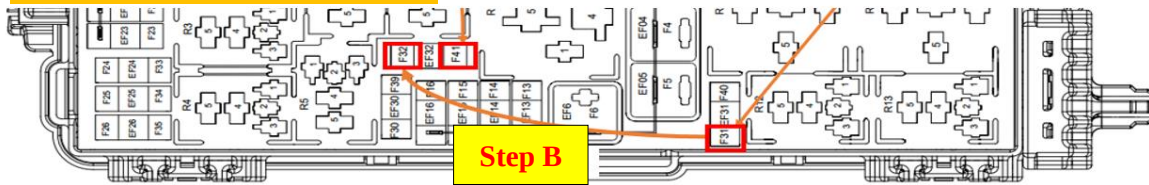
Step B: Remove F31 and connect in F32

Note: Remove the Compressor Heater Fuse 5A as shown in below figure before removing the terminal

Remove the Fuse 5A



Remove F31 and connect in F32

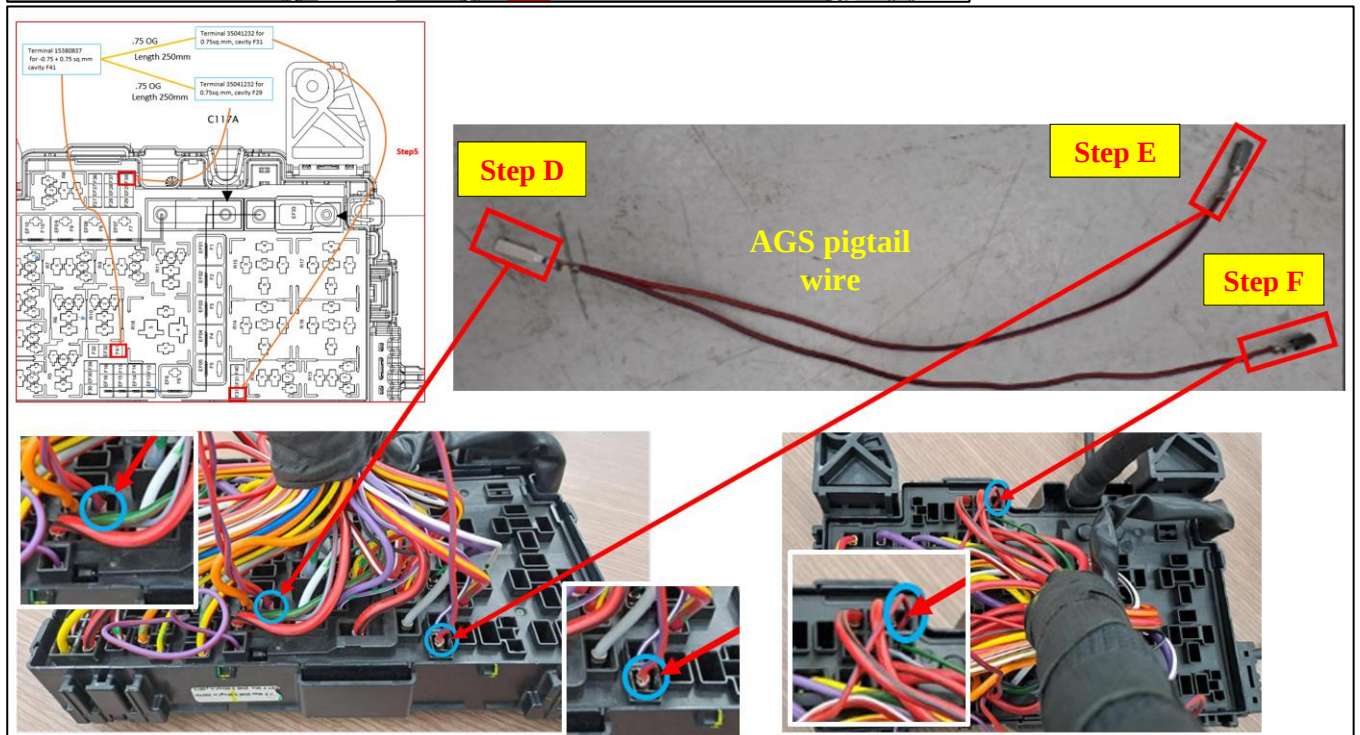
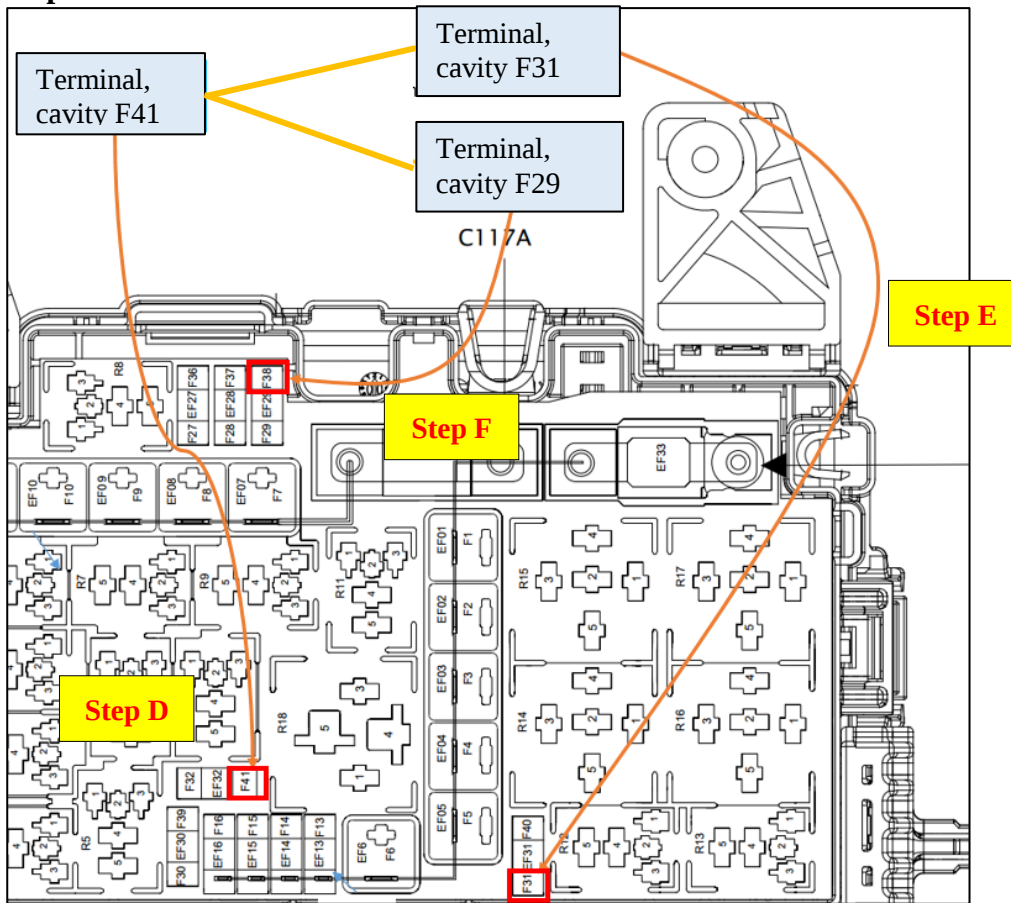


Step C: Take AGS pigtail wire from KIT

Step D: Insert double wire crimped terminal in F41

Step E: Insert another end of 1 wire to F31

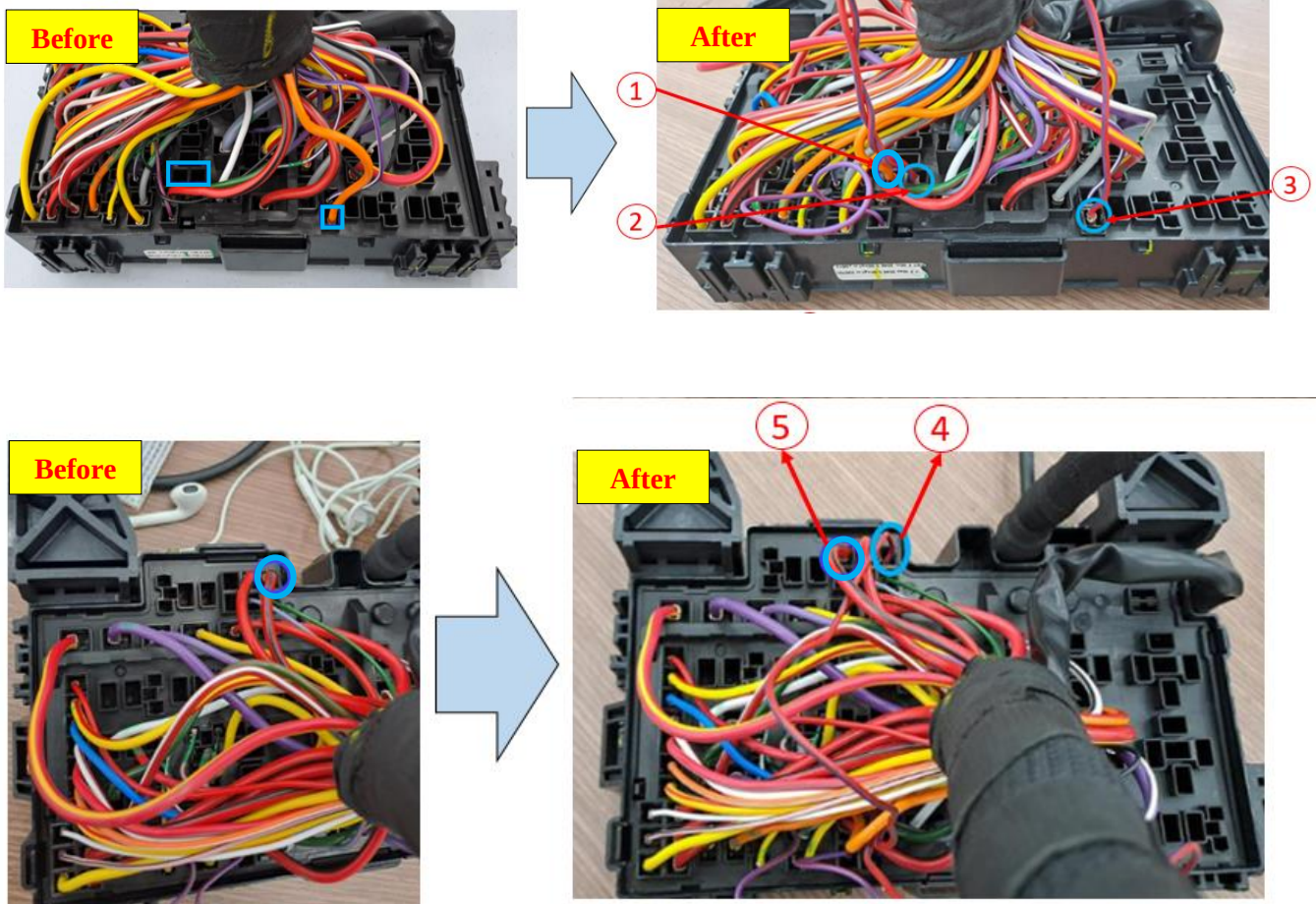
Step F: Insert another end of 1 wire to F38



Installation Note: Ensure the modified wires are connected properly in terminals by pulling it with small hand force.

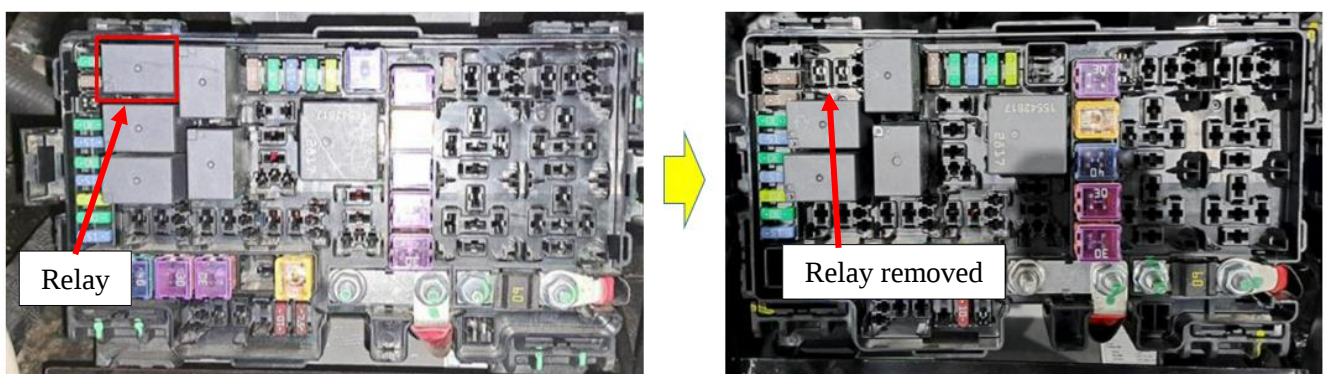
Step 3: Visual Inspection Check

- i. **Check Point:** Ensure the modified wiring harness terminal installed position is consistent with the below shown figure

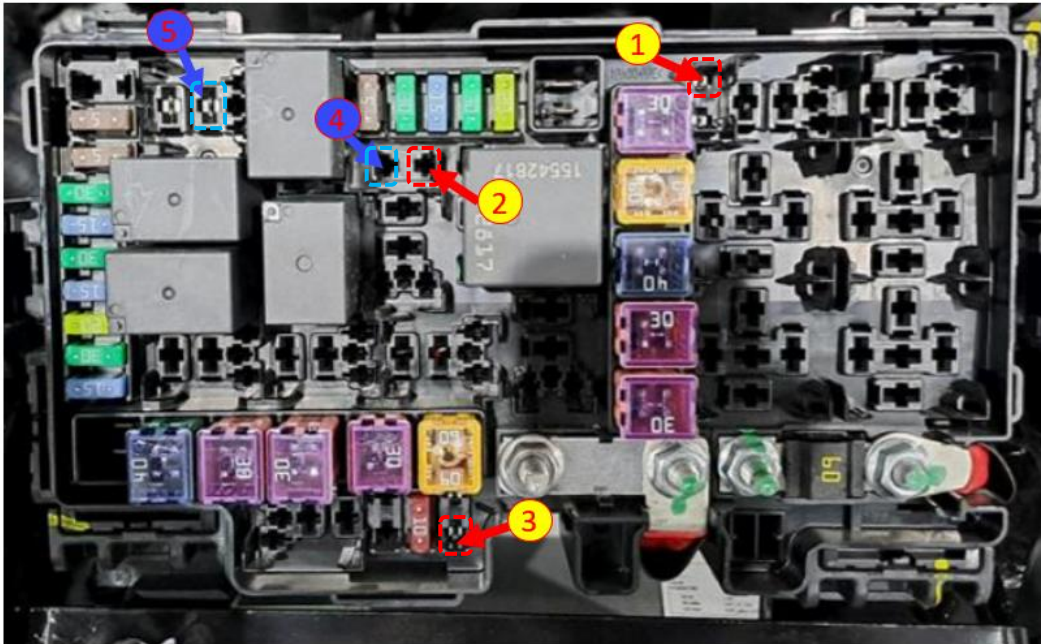


Step 4: Inspection check with Multi Meter

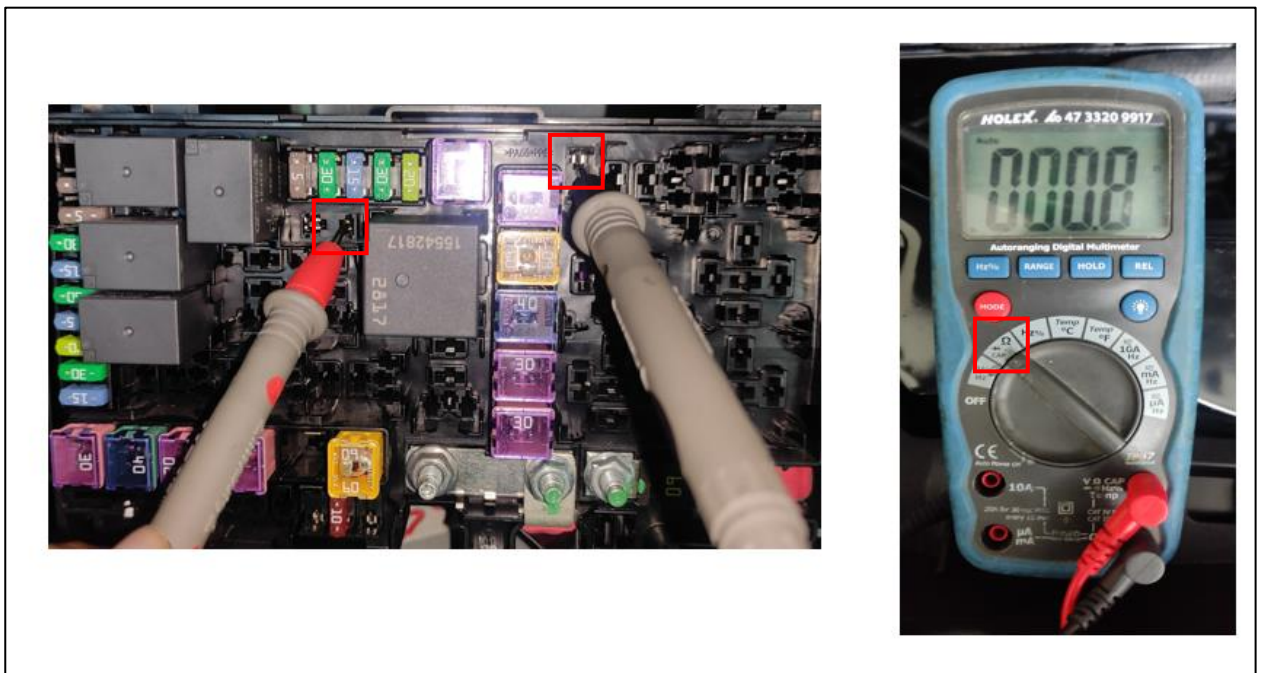
- i. Remove VCU Main Relay 35A from Fuse box (as shown below) to measure the conductive between the terminals for ensuring proper rework completion



- ii. **Check Point:** Use Multi-meter to measure the terminals (0.2-1.2 Ohm is Preferable)
- ❖ Three Terminals (1, 2 & 3) are conductive to each other.
 - ❖ Two Terminals (4 & 5) are conductive to each other.
- Note:** Insert Relay 35A, which removed at Step 4.

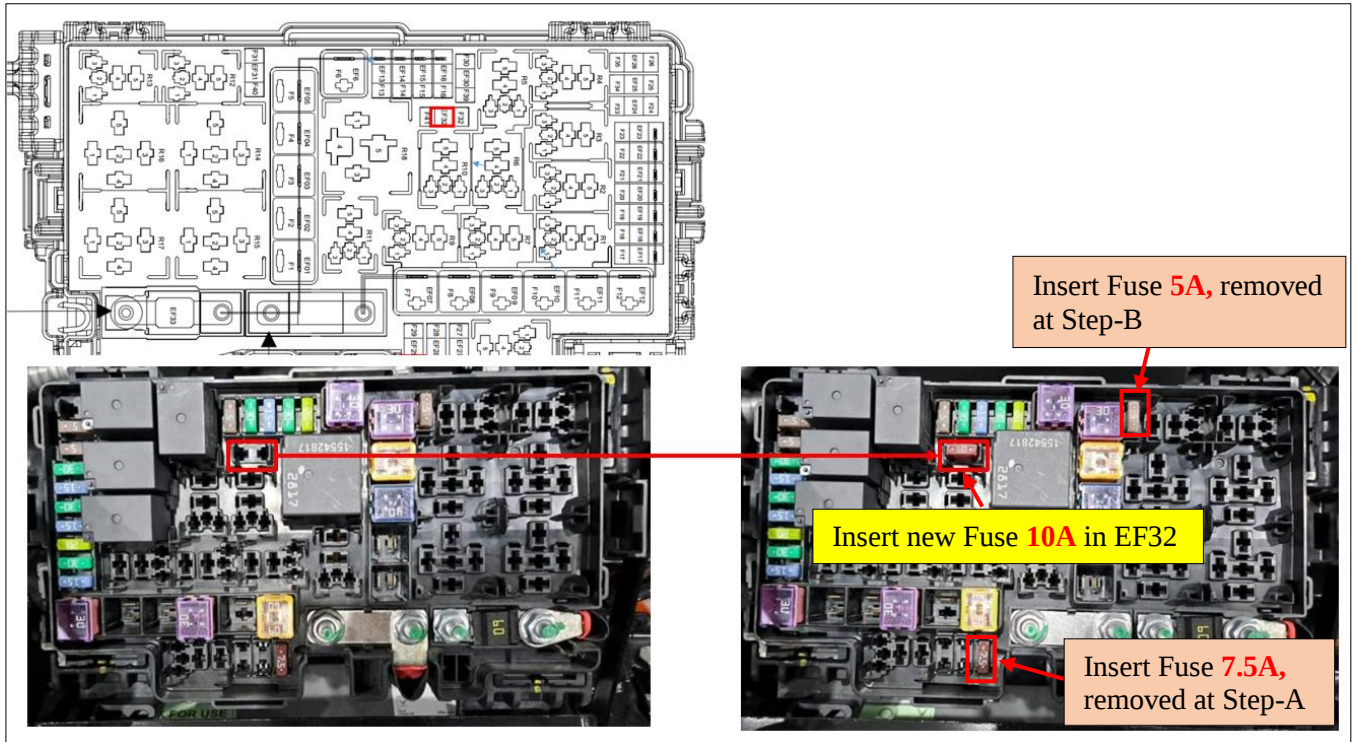


Multi Meter check example:



Step 5: Insert Fuses in Engine Fuse box

- i. Insert new Fuse 10A in EF32 as shown in below figure
- ii. Insert Fuse 5A, which is removed at Step-B
- iii. Insert Fuse 7.5A, which is removed at Step-A

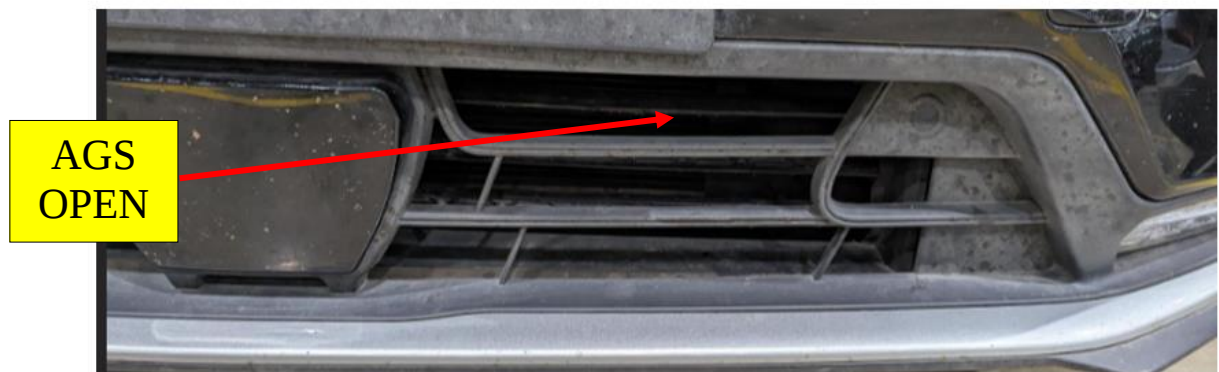
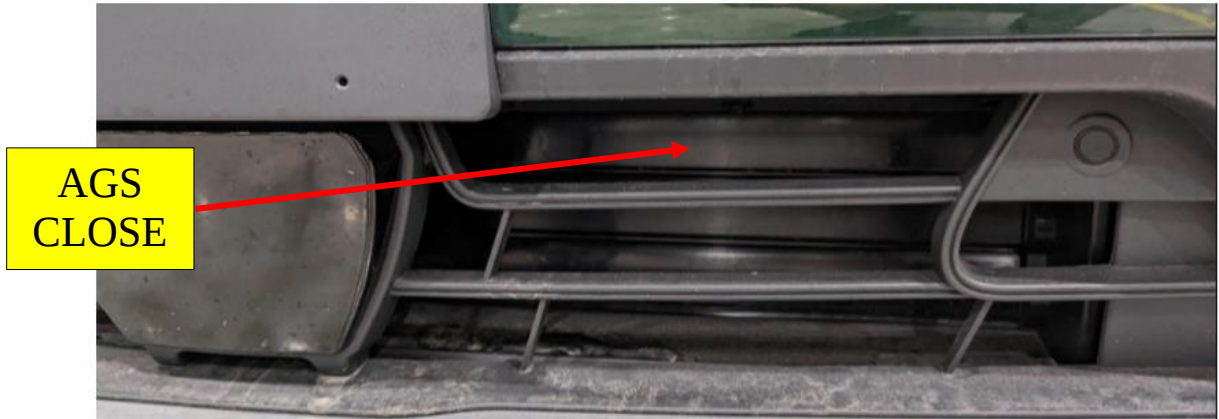


Step 5: Reassemble the parts

- i. Install all the removed parts by following the reverse method of above removal procedure.

Step 6: Final check on rework

- i. Turn the vehicle HV 'ON' to wake up the vehicle as there is calibration phase, which will operate AGS to Close & Open again. Ensure this indication for the completion of established rework.



Step 7: Finish

8.0) Parts Information

Service parts applicable to this bulletin.

SNo	Part Description	Part Number	Quantity/Vehicle
1	WH AGS PIGTAIL KIT [SUB HARNESS + FUSE 10A]	EEP30209456	1

9.0) Warranty Claim Information

The following warranty claim information applies to this bulletin:

Labour Code	Description	Hour(s)	Market
99300202	VF8 & VF9 AGS Pigtail wiring harness rework	0.5 hour	VF8 & VF9 Vietnam
99300400	VF8 AGS Pigtail wiring harness rework	0.5 hour	VF8 US