

Special Bulletin

SP21-313

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First Release -

12-23-2021

WIPER INTERACTION WITH ENGINE SHUT DOWN

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, perform the following procedure. This will solve the following issue: when turned OFF, the engine keeps running if the wipers are ON.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS		
Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.		
Model	VIN	Fleet Number
X3-45 Commuter	4RKJ33499 <u>M9737813</u> and from 4RKJ33497 <u>M9737826</u> up to 4RKJ33497 <u>N9738007</u> incl. excluding 4RKJ3349X <u>N9737997</u>	1573 and from 1586 up to 1490 incl. excluding 1480
Model Year: 2021 - 2022		
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery.		

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REQUIRED TOOLS

PHILLIPS SCREWDRIVER 	CUTTING PLIERS 
ELECTRICAL FABRIC TAPE 	EXTRACTION TOOL FOR MCP 2.8 CONTACT (Prevost 568103) 
HEAT SHRINK TUBING 	HEAT GUN 

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PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop the engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

Lockout & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

1. Gain access to the Multiplex module I/O-EB **AE47** located in the dashboard R.H. console (behind the fare box).

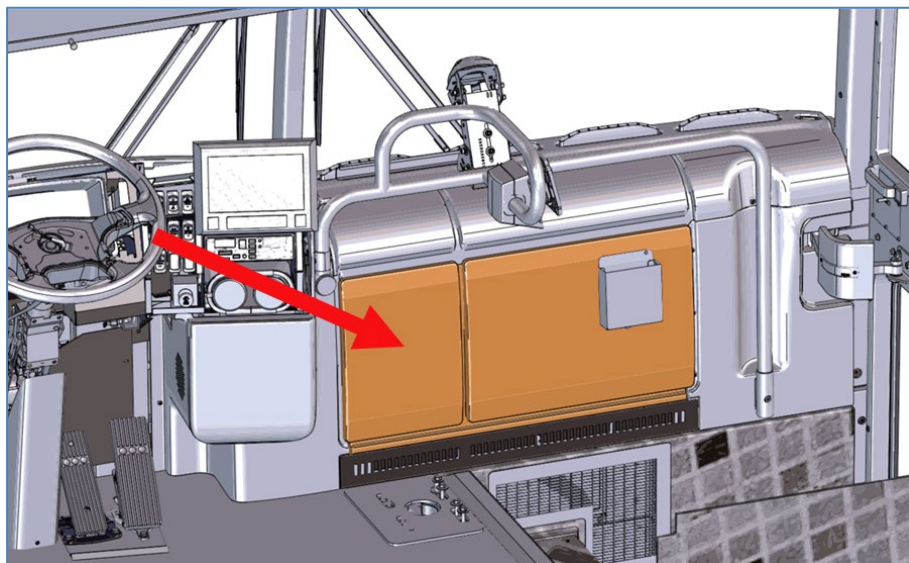


Figure 1

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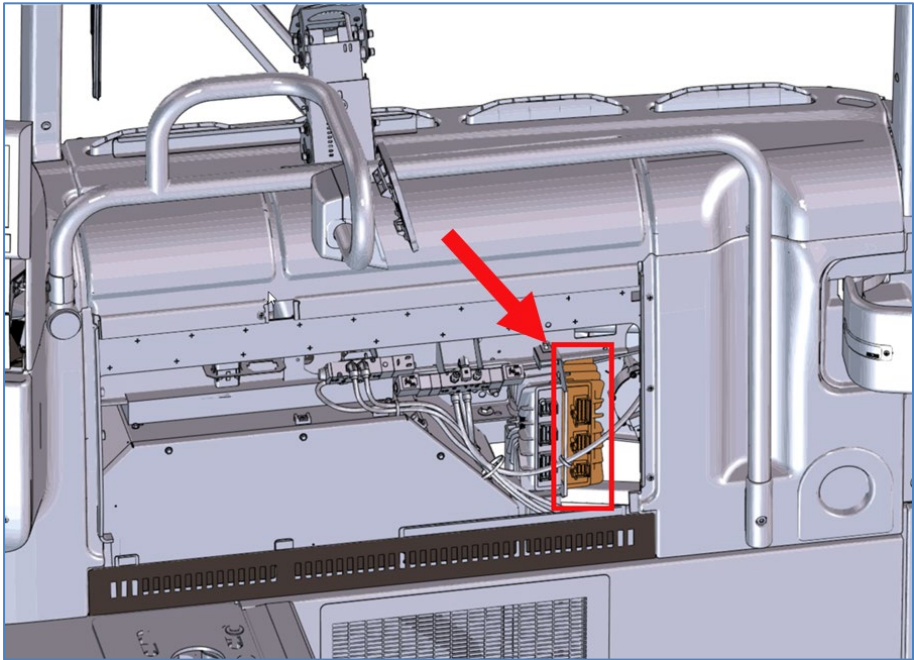


Figure 2

2. Disconnect circuit at connector: cavity **J1:20**. Refer to Appendix for more details.

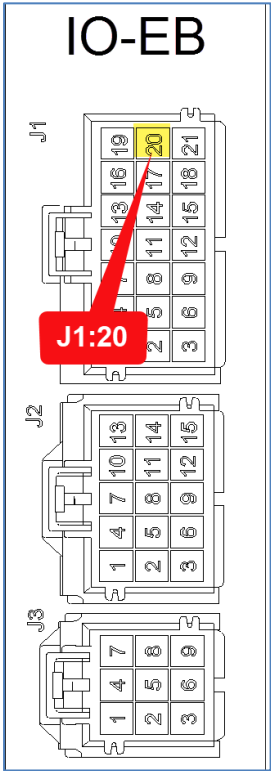


Figure 3

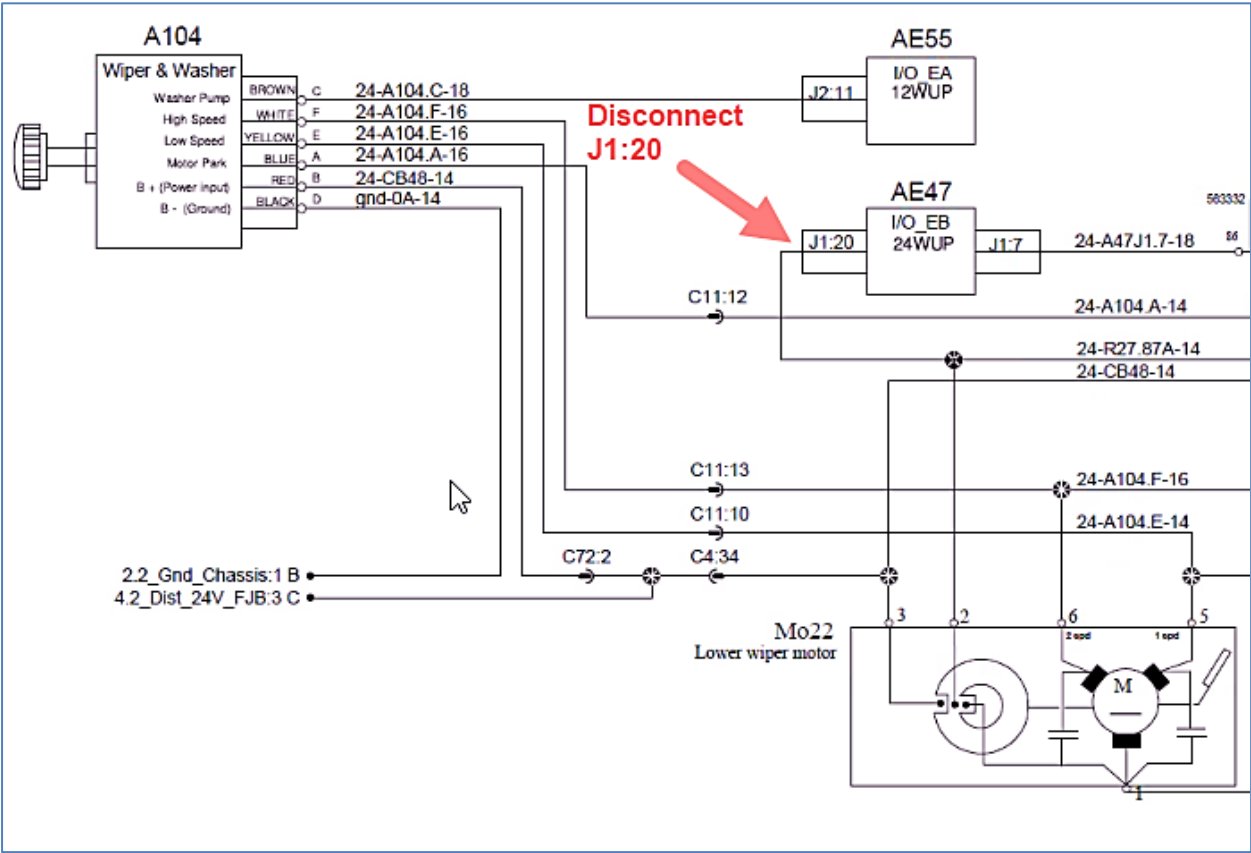


Figure 4

3. Cut the terminal and apply a heat shrink tubing.
4. Loop and secure the wire to the harness, fix with electrical fabric tape.

ESTIMATED TIME

The time required to perform this special bulletin is 1/2 hour (0.5 h).

OTHER

VBC Bulletin	N/A
Fail Code	06.00
Defect Code	09
Syst. Cond	B
Causal Part	22722850

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Prevost engages in a continuous program of testing and evaluating to provide the best possible product. Prevost, however, is not committed to, or liable for updating existing products.

APPENDIX

I/O-EA & I/O-EB MUX modules Connector: AMP MCP 2.8	
Contact loading of housings Loading the contacts is only possible if the secondary lock is in the unlock position. Proper orientation of the contact is important. If the orientation is incorrect, the contact stops too early in the region of the secondary lock and the whole crimp stands out from the housing. With correct orientation the secondary lock stops with a metallic “click” sound.	
Locking the secondary lock Delivery state of the secondary lock is the open position. In this position the AMP MCP2.8 contacts can be loaded. After that the secondary lock is moved into the final locking position by hand. At a sufficient large surface a perpendicular force is initiated by (preferably) the thumb of one hand. Proper final position is reached a click noise can be heard. Make sure that both sides are locked.	
Unlocking the secondary lock To unlock the secondary lock on these housings, a simple solid commercial ball pen is sufficient. The ball pen has to be inserted perpendicularly according to the image, between the locking latch of the housing and the secondary lock block. Then it will be pushed with care until the opening is felt (a “click” sound can be heard).	
Extracting the contacts from housings To extract contacts, the secondary lock must be in the unlock position. The tool must be inserted from the connection side into the cavity of housing up to the stop; the contact will be unlocked thereby. Keep the tool in that	

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position and then take the contact out by pulling on the cable. Note: Do not pull the cable before unlocking the contact; on the other hand, by pressing the cable gently against the cable outlet direction the unlocking procedure will be facilitated.		EXTRACTOR/TOOL: Prevost 568103			