

Title:	MCC HVAC System Updates			
Number:	PB_738	Release Date:	02/10/2026	
Revision Number:	Not Applicable	Revision Date:	Not Applicable	
Chassis Type:	Saber FR/Enforcer/Velocity/Impel w/ MCC HVAC Systems			
Component Description:	MCC defrost vents and side recirculatory fans			
Warranty:	See Warranty information listed in each section			
Parts:	See parts tables listed in each section			

This is a Parts Bulletin. Parts associated with this product upgrade are available for purchase through the dealer network.

Subject:

Pierce has implemented two updates to the MCC HVAC system to improve cab air flow and defrost functionality:

- Improved windshield defrost vents for MCC HVAC system as a product enhancement
- Implemented improved side recirculatory fans for MCC HVAC system as an optional upgrade

Purpose:

Provide parts/warranty information and installation instructions for the windshield defrost vent and side recirculatory fan updates.

Procedure:

Command Zone:

The Command Zone software version required for your HVAC system will depend on which updates are being made to your vehicle(s), please ensure you are purchasing the correct Control Panel for the updates being made:

Parts Information			Kit		
PN	Description	Minimum Software Version Required	Windshield Defrost Vents	Side Recirculatory Fans	Both
63-4755-0001 (New) 4437530 (Refurbished)	Control Panel, HVAC, Rotary Ctrl	v07.19	X		X
63-4753-0002	Control Panel, HVAC, Rotary Ctrl	v07.10		X	

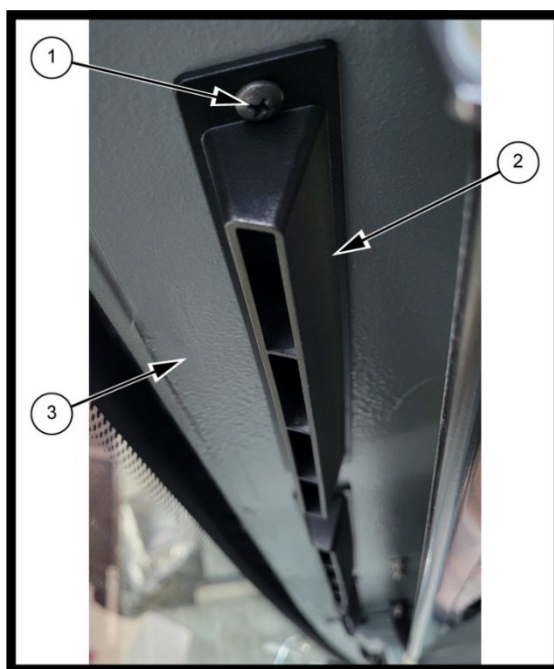
NOTE: If you want to re-program your own HVAC control panel instead of purchasing a new/refurbished one, personnel must use the MCC Controller Programming Kit (PN 4022115). Please refer to **SB_588 MCC HVAC Upgrades** for detailed instructions on re-programming the HVAC control panel.

Windshield Defrost Vent Enhancement:

WARRANTY: 1-year Basic Apparatus warranty as a product enhancement. Apparatus outside the warranty period are eligible for parts purchase and installation at customer expense.

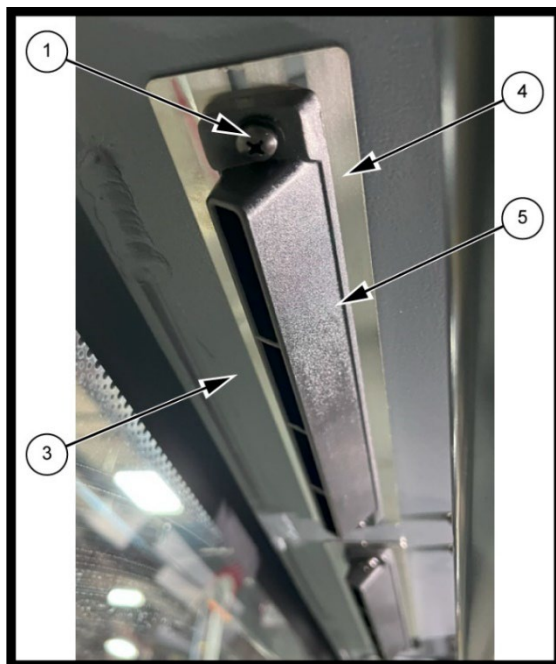
PN	Description	Qty
4679417	Plate, Adapter, Louver	A/R
4679392	Windshield Louver	A/R
63-4755-0001 (New) 4437530 (Refurbished)	Control Panel, HVAC, Rotary Ctrl	1

Vents:



NOTE: Note orientation of vent(s) prior to removal to ensure new vent is installed in the same orientation.

1. Remove two screws (1) and vent (2) from cab (3). Retain screws for installation of new vent.



2. Install adapter plate (4) (PN 4679417) and vent (5) (PN 4679392) on cab (3) with two screws (1).
3. Repeat steps 1-2 for remaining vents.

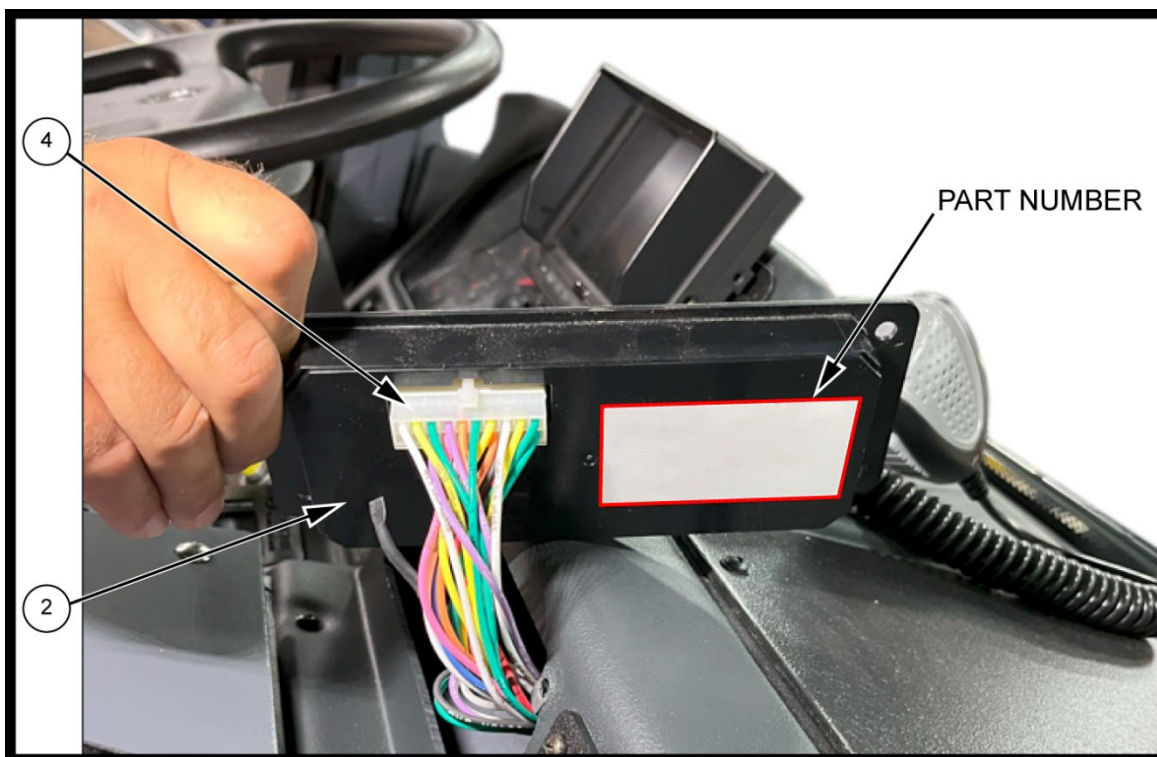
HVAC Control Unit:



NOTE:

- HVAC control panel Command Zone software must be at least v07.19 to ensure proper HVAC performance and function. Any control panels with previous software versions should be replaced or updated to at least v07.19.
- Replacement HVAC control panel should look the same as existing but contain updated software.

1. Remove four screws (1) and HVAC control panel (2) from dash (3).



2. Check PN on back of HVAC control panel (2) and verify PN is at least 63-4755-0001 (New)/ 4437530 (Refurbished). If your HVAC control panel is older than this, it will need to be replaced.
3. Disconnect connector (4) from HVAC control panel (2).
4. Connect connector (4) to new HVAC control panel (2).
5. Install new HVAC control panel (2) on dash (3) with four screws (1).

Side Recirculatory Fans:

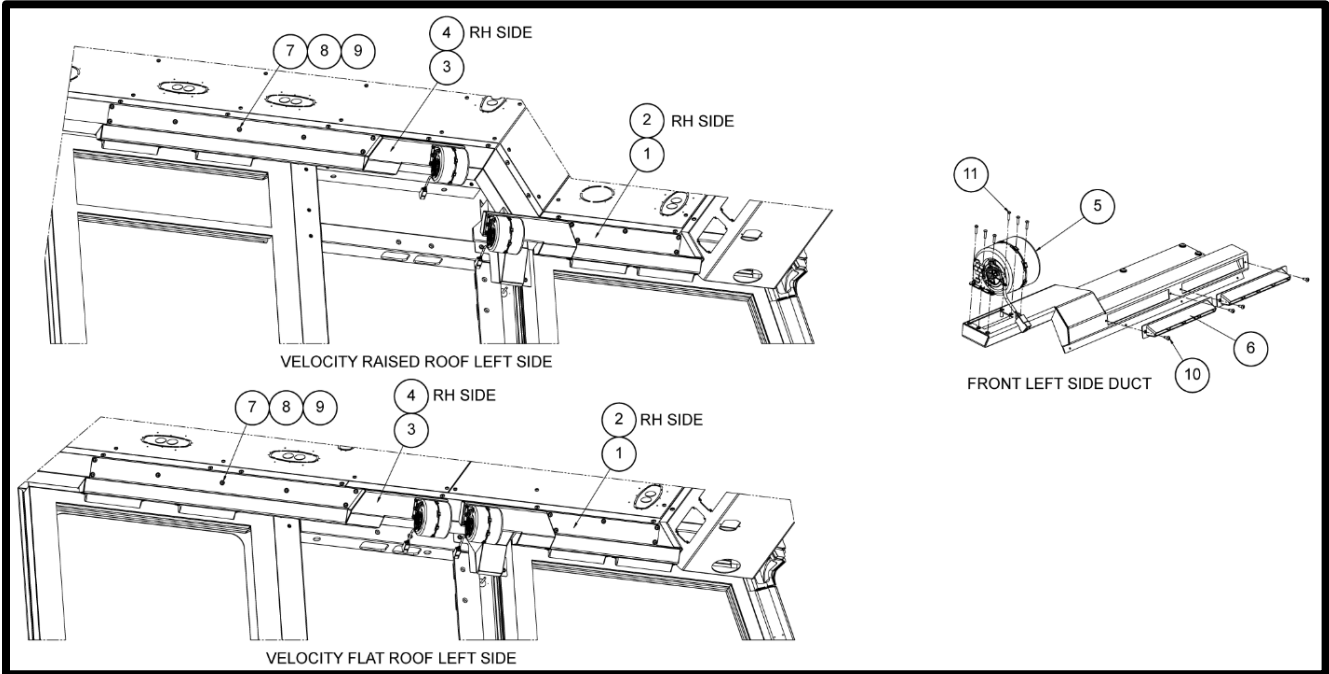
WARRANTY: No warranty coverage as an optional upgrade.

Recirculatory Fan Kits		
Chassis	Description	PN
Velocity/Impel	Kit, Defogger, Door Windows	4672889-SVC
	Kit, Window Defrost Fan	4529944-SVC
Saber FR/Enforcer	Kit, Defogger, Door Wndws, ST10	3658505-SVC
	Kit, Window Defrost Fan	4529944-SVC

NOTE:

- The same wire harness kit (Part # 4529944-SVC) will be used with both the Saber FR/Enforcer chassis and the Velocity/Impel chassis.
- HVAC control panel Command Zone software must be at least v07.10 to ensure proper HVAC performance and function. Any control panels with previous software versions should be replaced or updated to at least v07.10.
- Replacement HVAC control panel should look the same as existing but contain updated software.

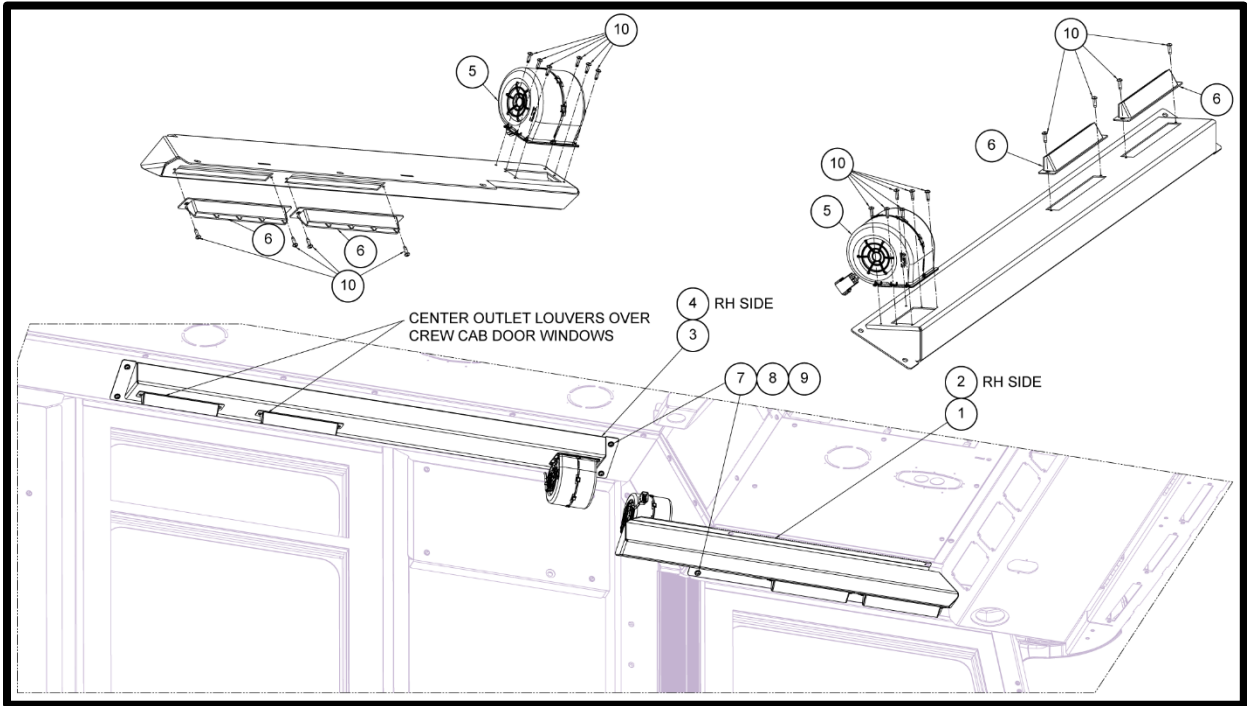
Velocity/Impel Installation:



Crew cab vents will need to be centered over the crew cab door, then the panel should be marked for drilling. Front assemblies will have lower mounting holes to be drilled into wire cover and upper holes that share the panel mounting.

Velocity/Impel Recirculatory Fan Kit (PN 4672889-SVC)		
Item No.	Part No.	Description
1	4672891	DEFOGGER,FRT,LH,WLDMT
2	4672893	DEFOGGER,FRT,RH,WLDMT
3	4672894	DEFOGGER,RR,LH,WLDMT
4	4672895	DEFOGGER,RR,RH,WLDMT
5	2822424	FAN 3.0 PUSH,RDL,153,12VDC
6	3250529	LOUVER,DEFROST,FR HEADER
7	82-0257-0002	INSERT,THREADED,.25-20,STEEL
8	82-0418-0002	WASHER,FLAT,NYLON,MOLDED BLACK
9	82-0429-0075	SCREW,.25-20,PH PAN HD,BLKZN
10	82-2039-004	SCREW,#10-24,TORX PN HD TAP
11	82-0428-0075	SCREW,#8-32,PH PAN HD,BLK,ZNC

Saber FR/Enforcer Installation:



Crew cab vents will need to be centered over the crew cab door, then the panel should be marked for drilling. Front assemblies will have lower mounting holes to be drilled into wire cover and upper holes that share the panel mounting.

Saber FR/Enforcer Recirculatory Fan Kit (PN 3658505-SVC)		
Item No.	Part No.	Description
1	3658506	DUCT,WLDMT,DEFOG,FR,SIDE,DS
2	3658507	DUCT,WLDMT,DEFOG,FR,SIDE,PS
3	3658508	DUCT,WLDMT,DEFOG,RR,SIDE,DS
4	3658509	DUCT,WLDMT,DEFOG,RR,SIDE,PS
5	2822424	FAN 3.0 PUSH,RDL,153,12VDC
6	3250529	LOUVER,DEFROST,FR HEADER
7	82-0257-0002	INSERT,THREADED,.25-20,STEEL
8	82-0418-0002	WASHER,FLAT,NYLON,MOLDED BLACK
9	82-0429-0075	SCREW,.25-20,PH PAN HD,BLKZN
10	82-2039-004	SCREW,#10-24,TORX PN HD TAP

Wire Harness Installation:

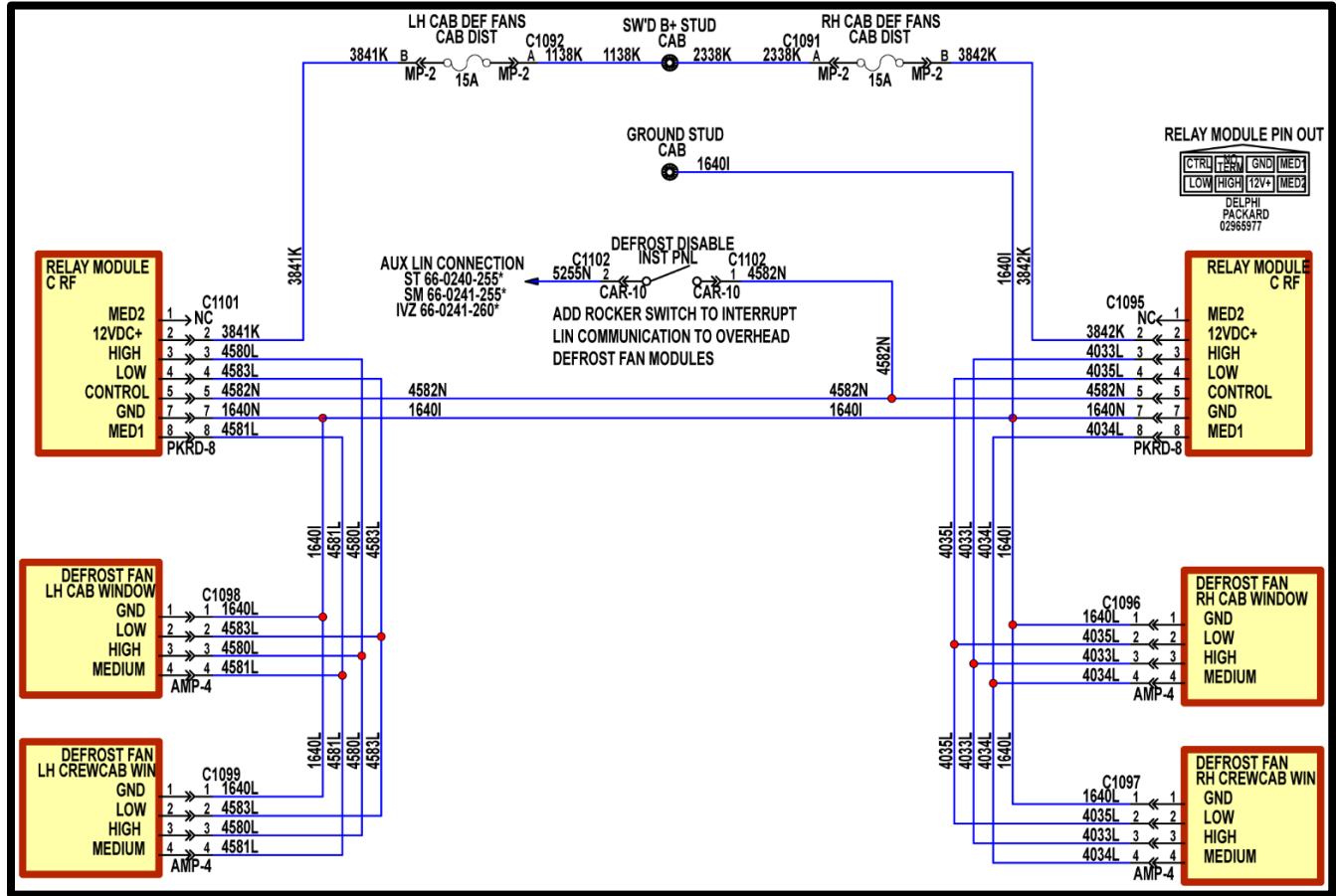
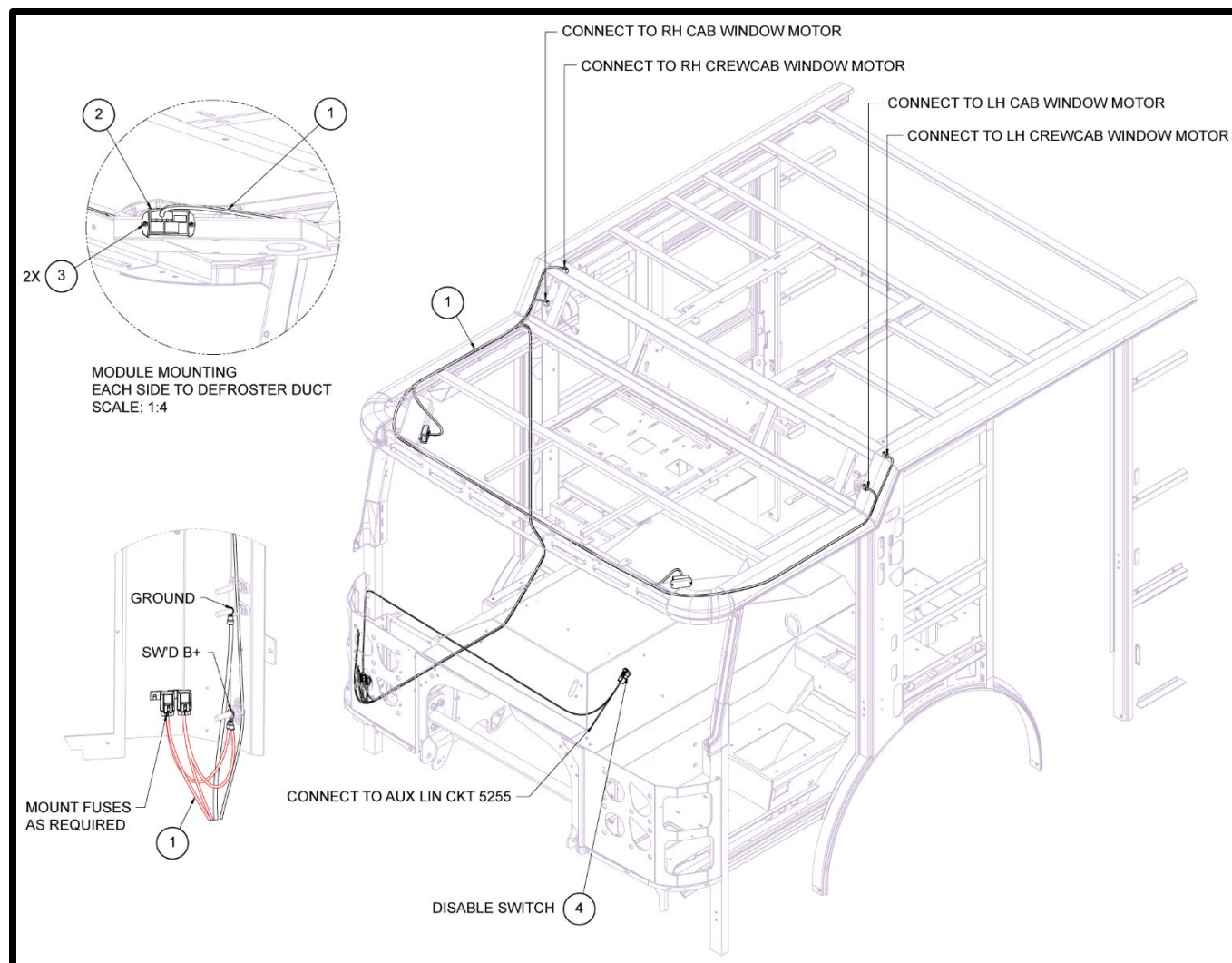


Diagram 60-1420-269A

- The kill switch location will need to be determined by the Dealer and have a label ordered with verbiage stating that it shuts off the recirculatory fans (Ex: Aux Fan Disable).
 - Circuit for lin wire #5255 located behind the HVAC control, mounted to the dashboard.
- The ends of the wiring harness will come un-pinned in order to allow for the wire to pass through the hole that is drilled in order to connect to the fans. Pin connector according to print shown above.

PARTS BULLETIN #738



Wire Harness Kit (PN 4529944-SVC)		
Item No.	Part No.	Description
1	64-4330-H001	WIRE HARN,SIDE WIN DEFROSTERS
2	4225077	MODULE,LIN CONTROLLER,REAR
3	82-2222-0050	SCREW, 10-24, T25 PN HD TFS, SS
4	64-1705-0016	SWITCH,ROCK BLK SPDT,NO CTR PS
N/A	60-1420-269A	WIRING DIA,CAB WINDOW DEF FANS

System Operation:

- The speed of the fans will vary, depending on the fan settings from the HVAC control panel.
- Any time the standard fans are blowing, the recirculatory fans will also be blowing, unless they are turned off by the kill switch.
- Any time the HVAC is set to DEFROST, the fans will automatically blow at 100%, but may be turned down from there.

If any additional support is needed, please open a technical support incident on www.pierceparts.com.