



INFORMATION BULLETIN

Subject	Shunt Harness Retrofit from 022574 to 039512
Issue Date	10/24/23
Service Bulletin Number	IB-23-132
Models Affected	Service Specified Vehicles
Complete By	Next Service Opportunity
Labor Operation Code	HA43J
Description	Instructions to support customer when PN: 022574 is not available and PN: 039512 is required to be used in its place.

Labor Table

	Operation	Technicians	Hours	Labor Time (T x H)
1	Steps 1-5	1	0.75	0.75 Hour
		Total Labor Time:		0.75 Hour

Normal warranty policies apply. For vehicles repaired under Complete Vehicle or HV Power Electronics and Cooling Package warranty, please use Labor Operation in the table above for submitting a claim through Proterra's Warranty Portal. Reimbursement will be limited to the time allowance provided in the Labor table below. Vehicles outside of valid Proterra Warranty can still access the update but will not be reimbursed for labor. For more information, please contact your Field Service Representative, or email warranty@Proterra.com.

This document should be retained and referred to for future maintenance until the Proterra Parts and/or Maintenance Manual is updated to reflect work done as a result of this document. Please ensure that this document is available for parts and maintenance staff.

Contact the Proterra Customer Service Team with any questions related to the following procedure.

864-438-0000
Service@Proterra.com

Parts Required:

		Qty.	UOM	
	039512	SHUNT,500A 1000V,CP1 SENSOR	1	EA
	039688	DuraClik ISL Receptacle Housing, 2 Pol	1	EA
	040730	RETAINER,2 POL,DuraClik	1	EA
	040731	TERMINAL,CRIMP,0.35mm ² ,TIN	5	EA
	039689	DURACLIC ISL RECEPTACLE HOUSING, 4 POL	1	EA
	040727	RETAINER,4 POL,DuraClik	1	EA

Tools Required:

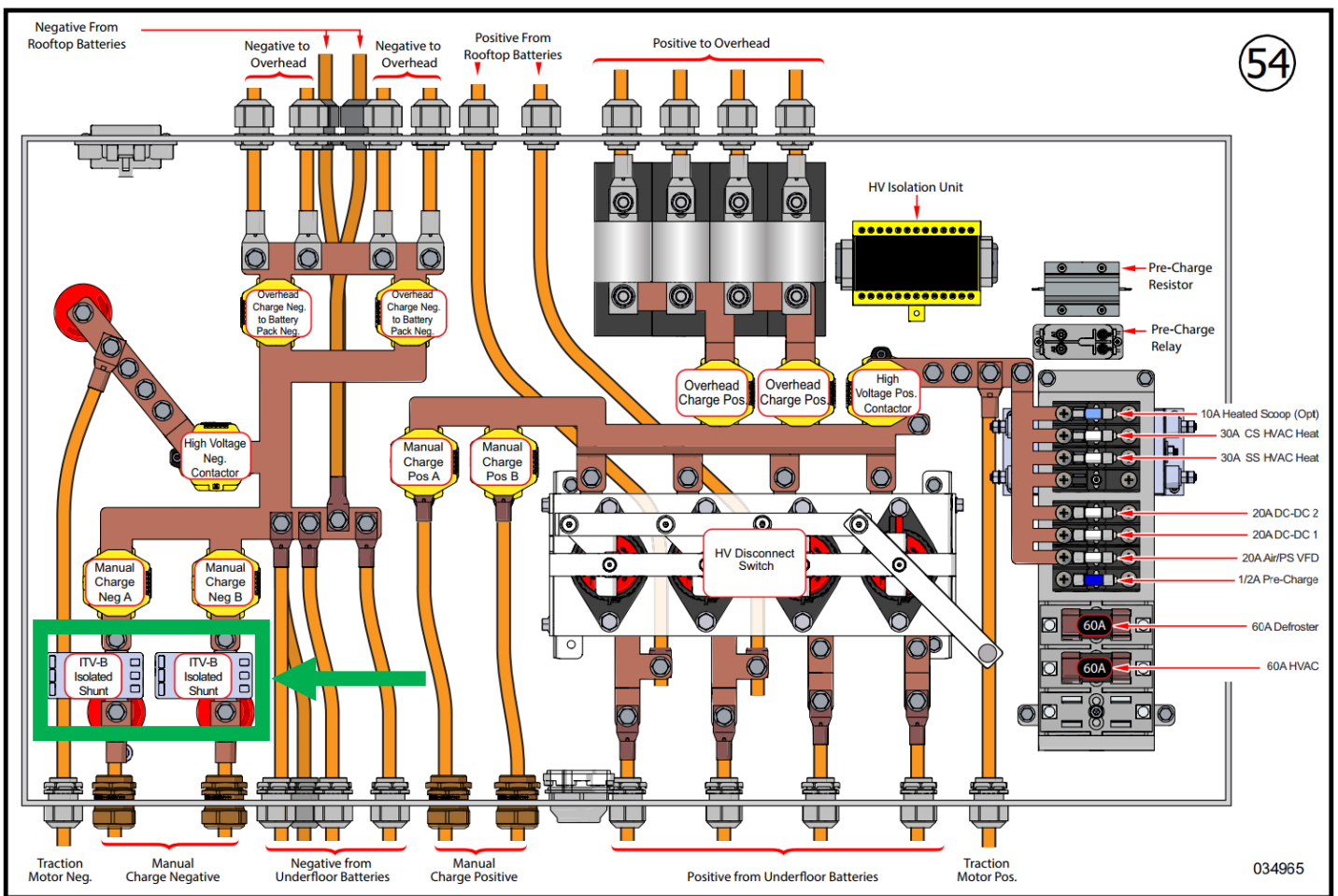
- Wire Cutters
- Crimpers

Overview:

This retrofit updates the HVJB when replacing shunt PN: 022574 to PN: 039512.

Step 1:

Power down the bus and perform the Proterra-approved lockout/tagout procedure before beginning work.



Step 2:

Locate the ITV-B Isolated Shunt to be replaced shown in the green box above.

Step 3:

Cut directly behind the existing 2-pin connector.

Crimp terminal (PN: 040731) onto the cut wire.

Terminate crimped wire into Position 1 on DuraClik connector 2 Position (PN: 039688).

Add retainer (PN: 040730) to the DuraClik Connector 2 Position.



Step 4:

Cut directly behind existing 4-pin connector.

Crimp terminals (PN: 040731) onto the cut wires.

Terminate wires into positions below on the DuraClik Connector 4 Position (PN: 039689):

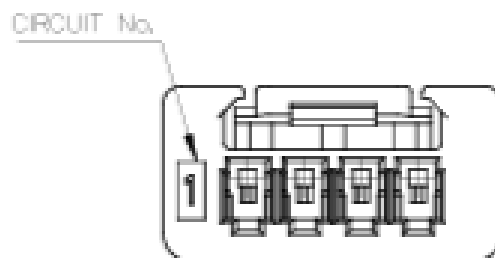
BLK wire into Position 1.

YEL wire into Position 2.

GRN wire into Position 3.

RED wire into Position 4.

Add retainer (PN: 040727) to the DuraClik Connector 4 Position.



Step 5:

Connect new 500A Shunt (PN: 039512) into the HVJB.