

## PRB-06-26-001: Inspect and Rework Solar Panels

Document Date	Mar 2, 2026
Document Type	Recall ▾
Model	Flow ▾
Configuration	Founders Edition ▾
Model Year	2026
Region	US
System	06 - Exteriors ▾
Minimum Service Location	Mobile Service ▾
Fix Type	Urgent Fix ▾

### Issue Description

The Pebble Flow is equipped with four (4) rooftop solar panels bonded to the vehicle roof with adhesive. Improperly applied adhesive during the Pebble Flow assembly process may have resulted in an improper bond between the rooftop and one or more solar panels. As a result, the adhesive may fail on affected vehicles, allowing one or more solar panels to delaminate and separate from the roof, especially at highway speeds.

### Affected Vehicles

Certain Pebble Flow travel trailers (Model Year 2026) in the field. Detailed overview in VIN list below:

██████████	██████████	██████████	██████████
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## Parts

Part Number	Description	Quantity	Note
06-102882-A	SIKA Polyurethane Sealant, Sikaflex 221, Black, 10 oz	1	Used for Rework, Required
05-100375-A	Solar-Panel	1	Only replace as required
05-100376-A	Solar panel, Front, RR	1	Only replace as required
05-100377-A	Solar panel, Rear, FR	1	Only replace as required
05-100378-A	Solar panel, Rear, RR	1	Only replace as required
06-102987-A	Sealant Tape, RV, Kohree, 2in, 50ft	xx	Only replace as required (also known as Flex Tape)

### Note

Parts listed in this table are for procedures unique to this bulletin. The bulletin may refer to Service Manual procedures that require additional parts. Always review the bulletin and associated Service Manual procedures before ordering parts and starting work to ensure you have all required parts.

## Consumables & Materials

Description	QTY
3M Masking Tape	As needed
70% Isopropyl Alcohol (IPA)	As needed
Lint Free Microfiber Rags	As needed
Scotch-Brite Pad	1
Lint Free Towels	1

## Allocated Labor time

Correction Description	Code	Labor Time [h]	Notes
Solar Panel Inspection and Rework only	PSB0226001	2.1	Required
Re-adhere Solar Panel (includes Rework)	PSB0226002	2.3	Only as required; Cannot be combined w/ PSB0226001
Solar Panel Replacement (includes rework)	PSB0226003	2.5	Only as required; Cannot be combined w/ PSB0226001
Solar Panel Replacement (each additional)	PSB0226004	0.4	Only as required; Cannot be combined w/ PSB0226001
Flex Tape Replacement	PSB0226005	0.5	

## Safety Disclaimers

DISCLAIMER
<p>Use appropriate ladders, platforms, or fall-protection equipment and follow all applicable safety regulations when working at height. Ensure the vehicle is parked on a stable, level surface before performing this procedure.</p>
<p><b>Warning:</b> Solar panels generate voltage when exposed to light. Before servicing the solar system, fully cover the panels with an opaque blanket to block light exposure and wait 5 minutes to allow residual voltage to dissipate before starting work. Follow all applicable high-voltage safety procedures. Refer to the Solar Panel Safety Guide.</p>
<p><b>Warning:</b> Do NOT bend or flex solar panels during inspections, service, or rework. Doing so can introduce microcracks and damage the solar system. Refer to the Solar Panel Safety Guide.</p>

## Procedure

### Step A — Verification

1. Verify the vehicle VIN is included in the Affected VIN List for this bulletin before beginning the procedure.

### Step B — Inspection

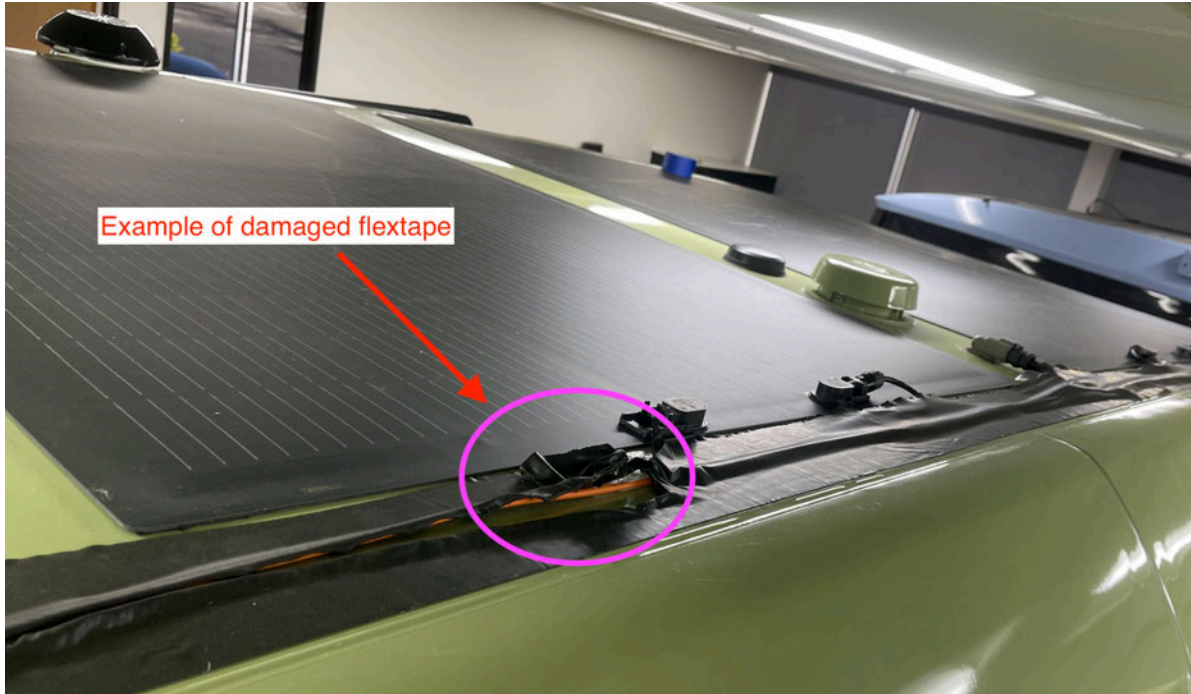
1. Use the iPad to sleep the vehicle.
2. Disconnect the Low-Voltage Service Disconnect under the vehicle.
3. Disconnect the 12V battery negative cable from the battery post.
4. Disconnect the harness from each of the solar panels. There are 2x connectors for each panel, 8x total.
5. Use protective covering to cover the solar cells of the panel such that sunlight cannot reach the cells of the panel.
6. Using a CAT II (or higher) multimeter to measure the voltage between the + and - terminals of the panel and verify that the voltage is <5V.
7. Inspect the solar panels for cracks, fractures, or other physical damage. If any damage is present, the solar panel must be replaced before performing this repair procedure. Do not perform sealant rework on damaged panels.
  - a. Take pictures of panel, pointing out damage, to submit with the warranty claim. Any warranty claims without the appropriate photo evidence will be denied.
  - b. If panel(s) are missing, provide photo evidence of panel missing, to submit with the warranty claim. Any warranty claims without the appropriate photo evidence will be denied.
8. Using your index finder and thumb, check each solar panel perimeter and all corners for separation from the roof by gently flicking your wrist up and down.



#### DISCLAIMER

**Only a very light pressure, while flicking your wrist up and down is required for inspection. Using strength from your arms, shoulders, or back is excessive, and may cause damage to the solar cells**

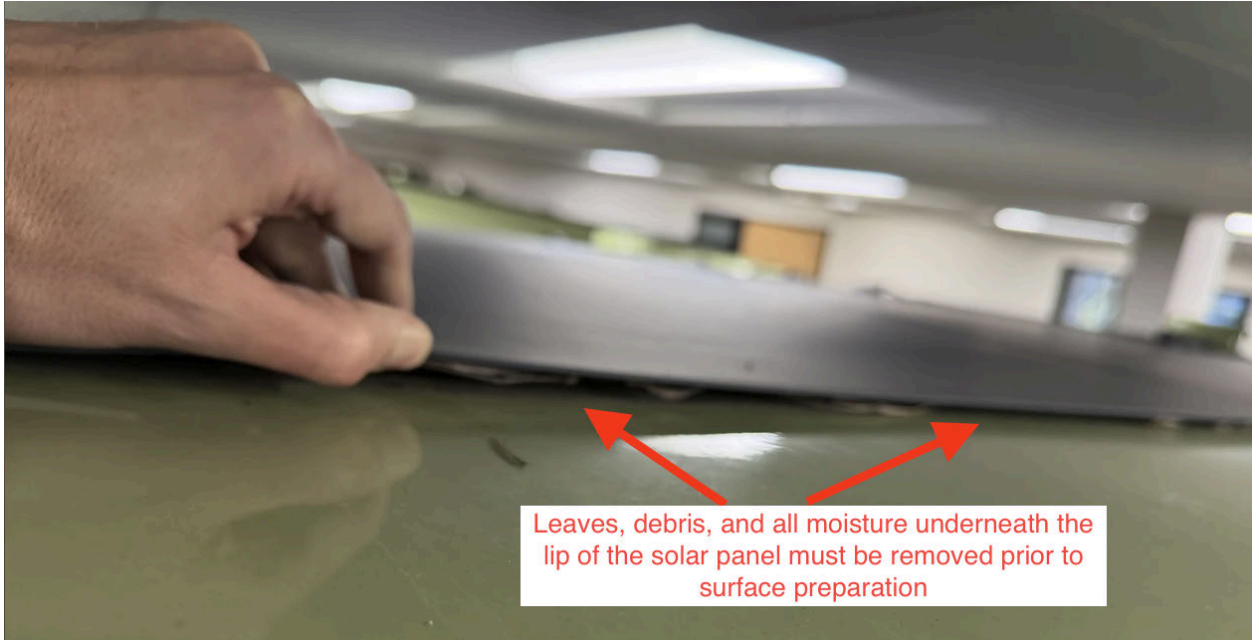
- a. If tape is detaching with a gentle lift from your wrist, then 3M double sided adhesive tape must be replaced. Perform surface prep as outlined in Step t, and re-adhere panel to the roof, then continue to Step C.
  - i. Remove 3M double sided adhesive tape on affected panel(s).
  - ii. Perform surface preparation procedure as outlined in Step B.
  - iii. Replace 3M double sided adhesive tape on affected panel(s).
- b. If the solar panel is already delaminated more than 12 inches, or damaged, the solar panel requires replacement. Refer to Step E.
- c. If solar panel flex tape shows signs of damage, replace flex tape.



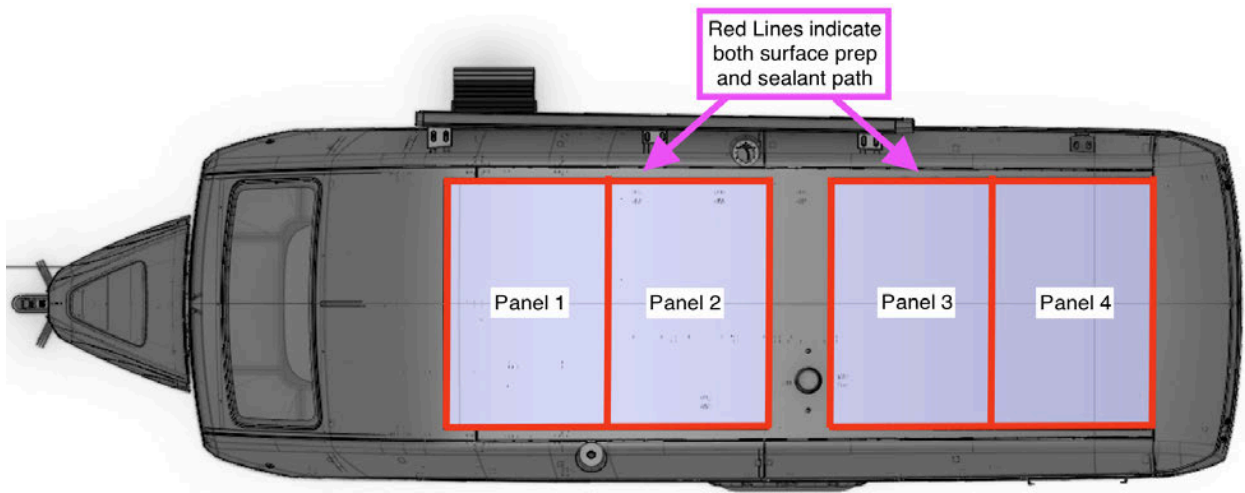
- d. If solar panel wiring harness or its connectors are damaged, escalate to Pebble Service Engineering.

### Step C — Surface Preparation

1. Prior to surface preparation, remove all moisture and water at bonding points (underneath the edge of the solar panel)

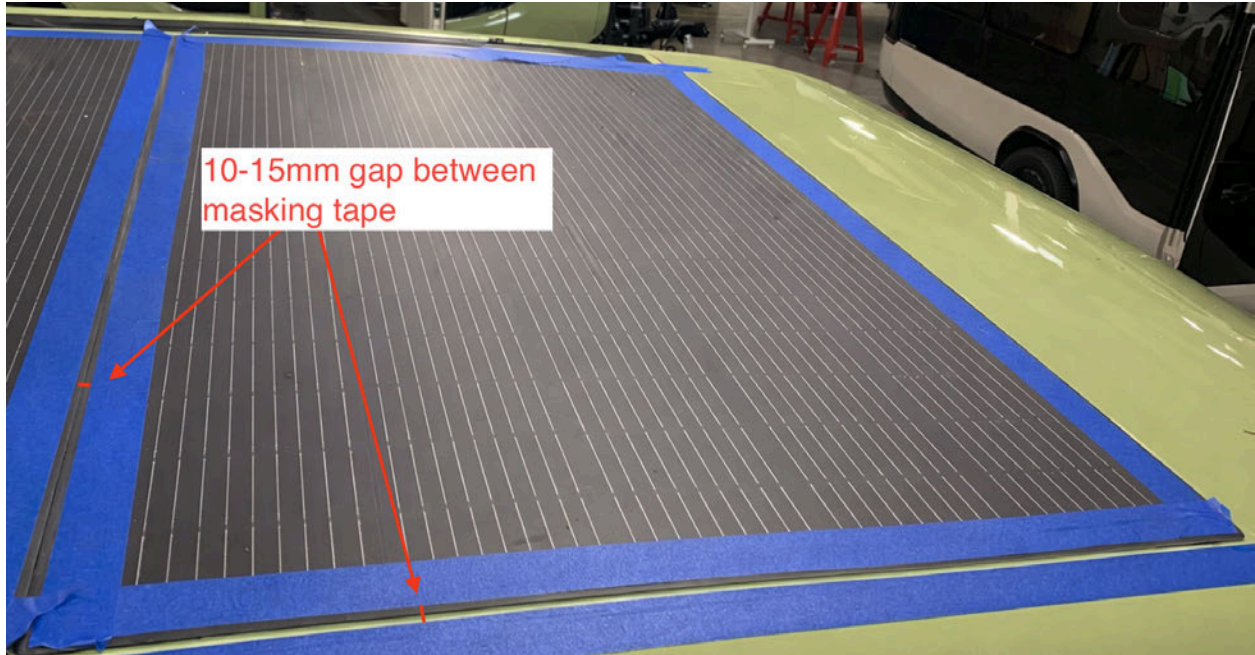


2. Using a Scotch-Brite pad, lightly scrub the perimeter of the solar panel along the area where sealant will be applied.
3. Also scrub the center seam between the two solar panels to prepare the bonding surface.



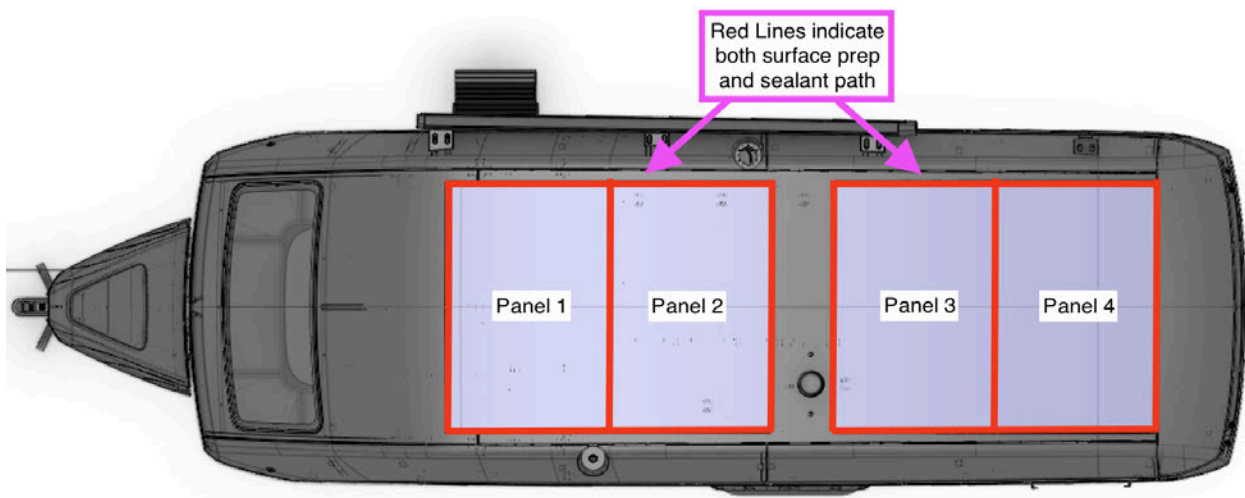


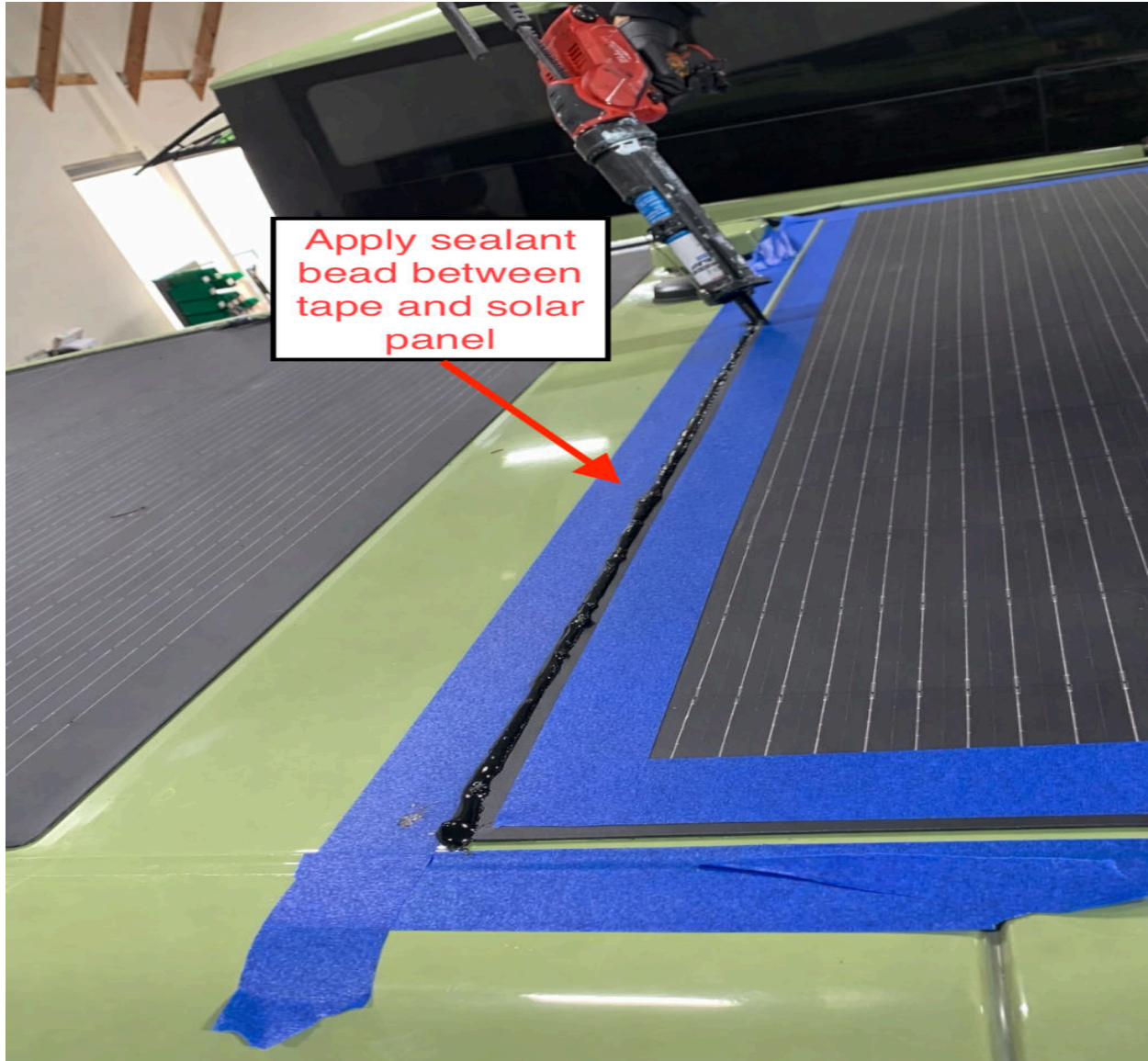
4. Using a microfiber cloth with 70% isopropyl alcohol (IPA), thoroughly clean:
  - a. The entire perimeter of the solar panel
  - b. The center seam between panels
  - c. DO NOT USE anything below or above 70% isopropyl alcohol
5. Ensure all cleaned surfaces are free of dirt, debris, oil, and moisture before proceeding.
6. Apply masking tape along the solar panel edge and the vehicle roof to define the sealant path.
  - a. The bonding gap should be 10–15 mm wide
  - b. Maintain even spacing on both sides
  - c. Use a razor blade to straighten the tape edges to ensure clean sealant lines.



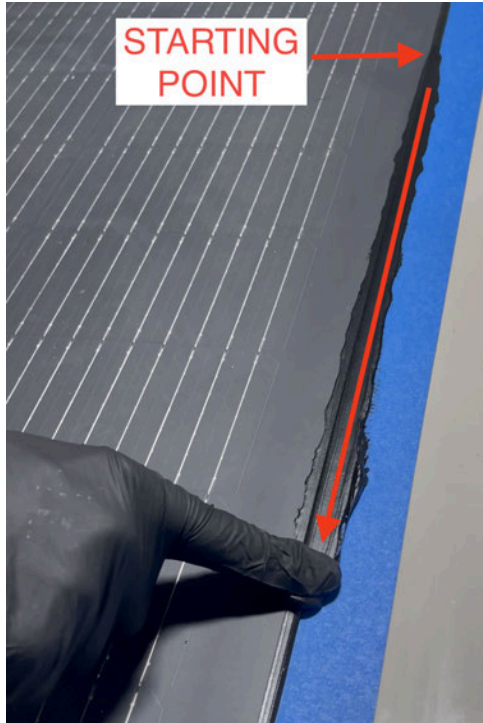
### Step D — Sealant Installation Rework

1. Verify the bonding surfaces are completely dry before applying sealant.
2. Using a caulking gun, apply a continuous bead of Sikaflex 221 sealant along the perimeter of the solar panel within the defined bonding gap, between the tape and solar panel.
  - a. Refer to the sealants labels for guidelines on tack time and full cure time.
  - b. Pebble Flow should not be removed until the tack time has surpassed.

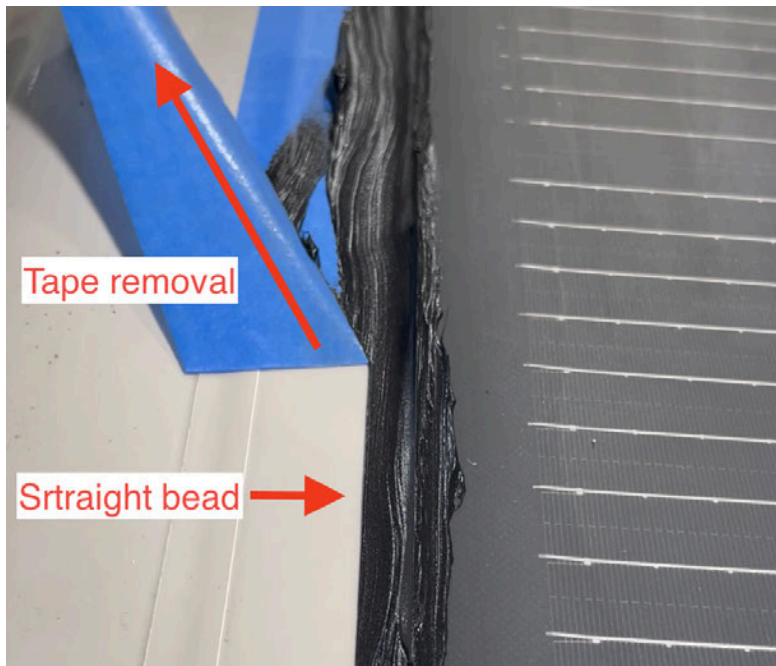




3. Lightly smooth the sealant bead using even finger pressure to ensure consistent adhesion and appearance around the entire perimeter of the panel.



4. Remove the masking tape immediately after smoothing the sealant bead.



5. Repeat this procedure for all remaining solar panels on the vehicle.
6. After the rework is complete, reconnect the solar panels
7. Remove the panel coverings
8. Reconnect the Low-Voltage Service Disconnect under the vehicle.

9. Reconnect the 12V battery negative cable to the battery post.
10. Turn on the vehicle and move it into sunlight
11. Verify in the energy view in the Pebble App that solar power is being generated to the vehicle
12. If energy is being generated, then the rework can finish
13. If energy is not being generated, contact Pebble Service Engineering

### Step E — Solar Panel Replacement

#### DISCLAIMER

**Warning: Solar panels generate voltage when exposed to light. Before servicing the solar system, fully cover the panels with an opaque blanket to block light exposure and wait 5 minutes to allow residual voltage to dissipate before starting work. Follow all applicable high-voltage safety procedures. Refer to the Solar Panel Safety Guide before any work.**

**Warning: Do NOT bend or flex solar panels during inspections, service, or rework. Doing so can introduce microcracks and damage the solar system. Refer to the Solar Panel Safety Guide before any work.**

1. Confirm Step B is complete.
2. Using a suitable non marring tool, separate the adhesive from panel and roof, and remove solar panel.
3. Perform Surface preparation as outlined in Step C.
4. Install and connect solar panel, replace flex tape as required.
5. Continue the rework procedure as outlined in Step D.

# Pebble Flow Solar System Safety Guide

This procedure is designed to ensure safe operation and rework of the solar panels in the field.

**CRITICAL FOR SERVICE:** When indoor facilities are not available for customer vehicle service, the following safety procedures shall be followed:

## Service Location Safety Requirements:

- **Solar Panel Harness Disconnect:** Absolutely mandatory regardless of location.
- **Enhanced Voltage Measurement:** Critical due to uncontrolled lighting conditions
- **Weather Considerations:** Work prohibited during precipitation or high winds
- **Time of Day Restrictions:** Avoid peak sunlight hours when possible
- **Protective Covering:** Use opaque covers over panels when/where practical
- **Voltage Measurements:** Voltage shall be measured on each panel before the start of any work
- **Environmental Monitoring:** Continuous awareness of changing light conditions

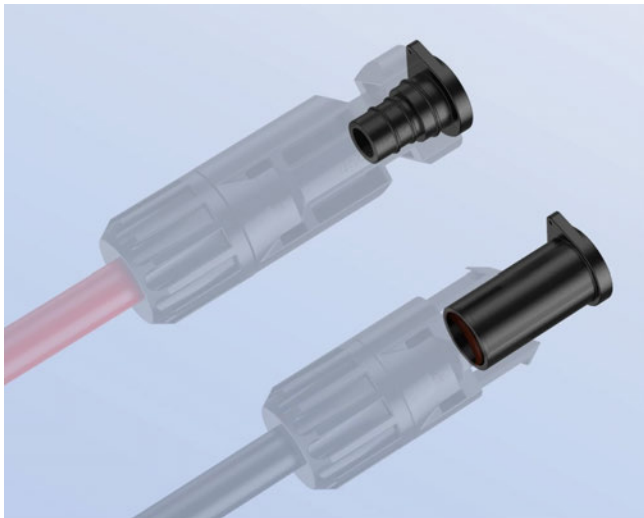
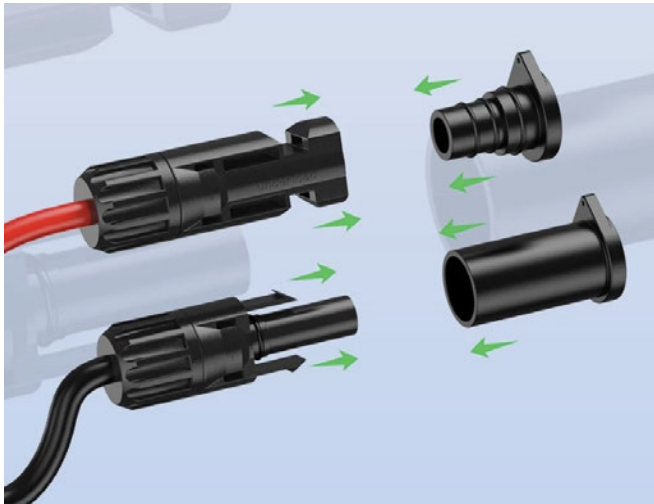
## Safety Procedures

1. Use the iPad to sleep the vehicle.
2. Disconnect the Low-Voltage Service Disconnect under the vehicle.
3. Disconnect the 12V battery negative cable from the battery post.
4. Disconnect the harness from each of the solar panels. There are 2x connectors for each panel, 8x total
5. Use protective covering to cover the solar cells of the panel such that sunlight cannot reach the cells of the panel
6. Using a CAT II (or higher) multimeter to measure the voltage between the + and - terminals of the panel and verify that the voltage is <5V
7. Once voltage is verified, you may proceed to work on the solar panel rework
8. Throughout the process, ensure that the panels remain covered and monitor lighting conditions for any reason for potential shock hazards / sunlight reaching the solar cells
9. After work is complete, reconnect the solar panels
10. Remove the panel coverings
11. Reconnect the Low-Voltage Service Disconnect under the vehicle.
12. Reconnect the 12V battery negative cable to the battery post.
13. Turn on the vehicle and move it into sunlight
14. Verify in the energy view in the Pebble App that solar power is being generated to the vehicle
15. If energy is being generated, then the rework can finish
16. If energy is not being generated, contact service engineering

## Single Panel Removal Scenario

The following instructions are to be followed in the event that a single panel needs to be removed and returned back to the customer.

1. Follow safety procedures #1-6 to get the system into a safe working condition.
2. Follow instructions to remove the panel from the roof.
3. Apply MC4 dustcap covers to each disconnected connector for the removed solar panel to protect them from damage and environmental effects. Verify they are all seated fully into the connector before moving on.



4. Apply black electrical tape around the connector and dust cap to prevent the cap from disconnecting

## Revisions

Rev Date	Description	Note
N/A	N/A	N/A
N/A	N/A	N/A