

Floor Rail Gap Correction Recommendations

April 27, 2023

Introduction:

This procedure addresses the proper method for filling a gap at the junction of the Upper Coupler and Electrical Channel, or the Threshold Plate and the Electrical Channel in trailers.

Labor Requirements:

The standard repair time will vary based on how many gaps need to be filled, and how large each gap is. This procedure is written based on a proven shop practice for filling a single gap. It identifies points of potential water leaks. If read and followed, it will prevent water damage to the trailer.

⚠ CAUTION: Individuals who work with power tools are advised to always use proper safety equipment, including safety glasses, hearing protection, cut-resistant gloves, steel-toed shoes, knee pads, and face shields, dust masks, etc.

Tools Required:

- Saw
- Grinder
- Tape Measure
- Marker
- Drill with bit for removing floor screws
- Air Cylinder for raising end of floor board
- Patch Material: 3400158-01 Aluminum Electrical Channel
- Foam Tape
- Caulk Gun
- Caulk

Trailer Setup:

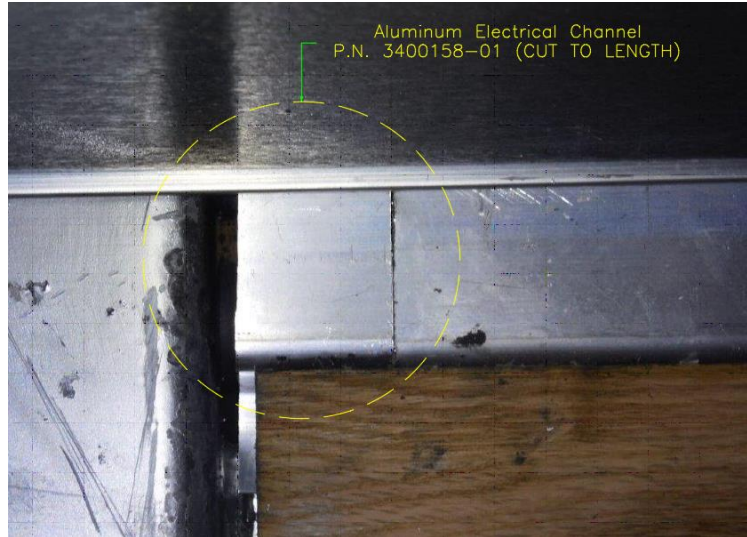
Completely unload the trailer and park on a level shop floor. Ensure adequate lighting is available in the area of the floor repair.

Trailer Repair (For gaps larger than ½"):

1. Locate the area where the patch will be placed. Using tape measure, determine the size of the patch panel needed to cover the gap completely.



2. Using your Marker, draw the patch panel to size on the supplied Electrical Channel
3. Using a saw, cut out the patch profile you created in the previous step.
4. Use the grinder, if needed, to remove all sharp edges from the patch panel.
5. Using your drill, remove the floor screws on the outer floorboard. **Only remove screws necessary to complete the repair (5 to 6 sets)**
6. Using the air cylinder, lift the end of the floorboard from underneath the trailer.
7. Once the board is lifted high enough to allow, place the newly cut patch in line with the existing electrical channel.



8. After patch is in place, lower and reattach floorboard using screws previously removed.
9. Apply caulk to junction of Upper Coupler and patch, as well as the junction of the patch and existing Electrical Channel.

This process may also be used to fill a gap that occurs at the junction of the Threshold Plate and Electrical Channels.

Trailer Repair (For gaps smaller than ½"):

1. Using foam tape, pack the area.
2. Place caulk on top of foam tape to ensure watertight seal.

This process may also be used to fill a gap that occurs at the junction of the Threshold Plate and Electrical Channels.