

## **FLOOR PROTECTION, KIT, FWD INSTALLATION INSTRUCTIONS**

**MODELS: BELL 429**

## Table of Contents

<u>Section</u>	<u>Description</u>	<u>Page</u>
1	Description	2
2	Installation Instructions Floor Protection, Kit, FWD	3
	Applicability	3
	Installation Instructions	4
	Removal Instructions	7

## Notes

1. If changes to this document are required, Alpine Aerotech LP shall revise all pages and reissue the entire document.
2. Alpine Aerotech LP shall make any subsequent revisions of this document available free of charge upon request. Alpine Aerotech LP also recommends that the end user of this product periodically verify the revision level of this document.

## SECTION 1 DESCRIPTION

The following information provides installation instructions for the Floor Protection, Kit as defined in Alpine Aerotech LP datasets AAL-412-020-001.

- The Floor Protection, Kit includes rigid pieces of material that are installed atop the existing floor to protect it from dents and punctures associated with typical aircraft usage. This occurs most frequently during loading and unloading operations, but can also occur during small inflight shifts of said cargo.
- The Floor Protection, Kit when installed, adds additional protection to the floor panels, as it is manufactured from a material specifically designed to spread and attenuate energy.

---

## **SECTION 2    INSTALLATION & REMOVAL INSTRUCTIONS**

### **Applicability**

The Floor Protection, Kit, FWD, (AAL-412-020-001) is applicable to Bell 429 all serial numbers equipped with OEM interior.

### **Weight & Balance**

<u>Part Number</u>	<u>Description</u>	<u>Weight</u>	<u>Long. Arm</u>	<u>Lat. Arm</u>
AAL-412-020-001	Floor Protection, Kit, FWD	13.55*	198.81 (STA)	0.00 (BL)
		6.14 (Kg)	5.049 (m)	0.00 (m)

\* Represents total weight of applicable kit only. Recalculate C of G as appropriate.

### **General Notes**

1. All Installation Instructions shall be accomplished IAW standard aircraft practices. Refer to the current revision of the FAA publications AC 43.13-1B and AC 43.13-2B for details on standard aircraft practices.
2. All Dimensions are in imperial measures (inches/pounds).
3. Refer to Section 4: AAL-412-025-701 Maintenance Manual section for instructions on maintenance for the item(s) referenced within this section.
4. Refer to the Section 9: AAL-412-025-701 Illustrated Parts Breakdown for the part numbers of the item(s) referenced within this section.

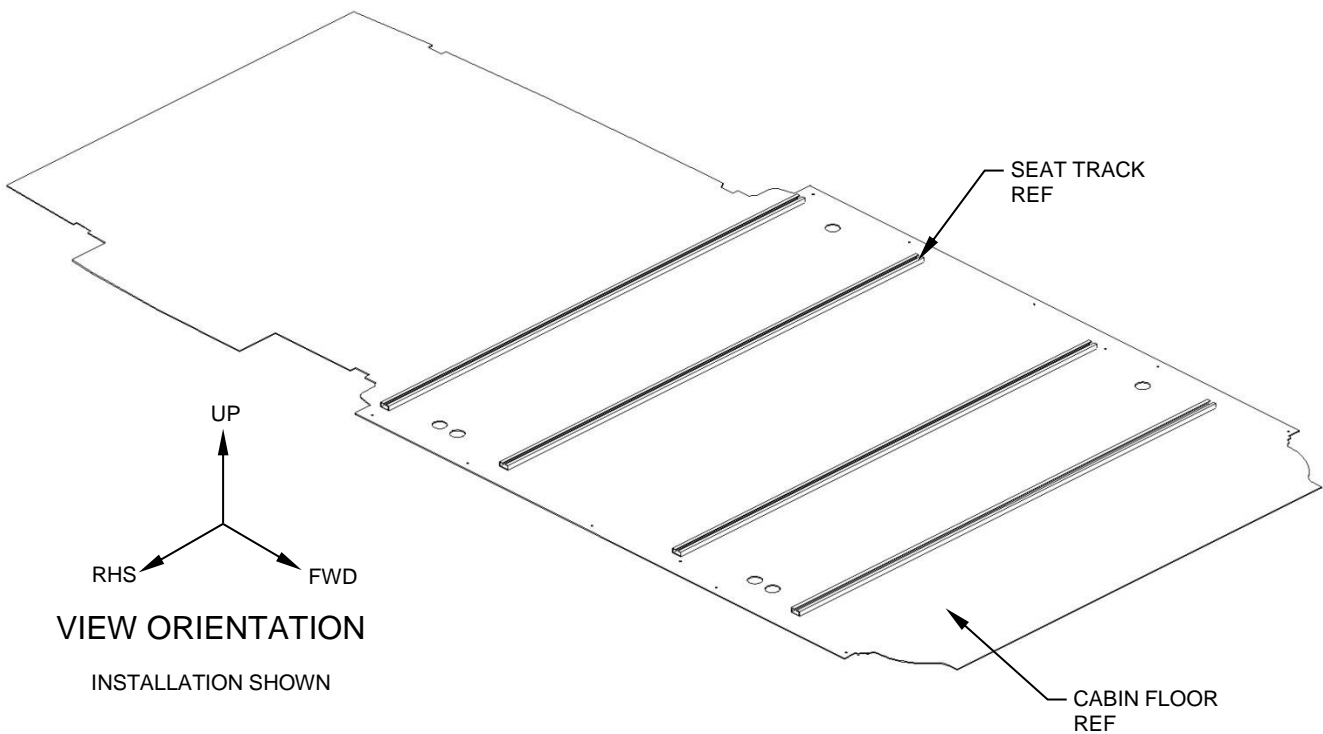
① Remove and retain for future use.

② Reinstall existing OEM fastener.

**Installation Instructions**

**Floor Protection, Kit, FWD**

1. Gain access to the FWD section of the cabin floor. Temporarily remove all passenger seats. Reference Figure 1.

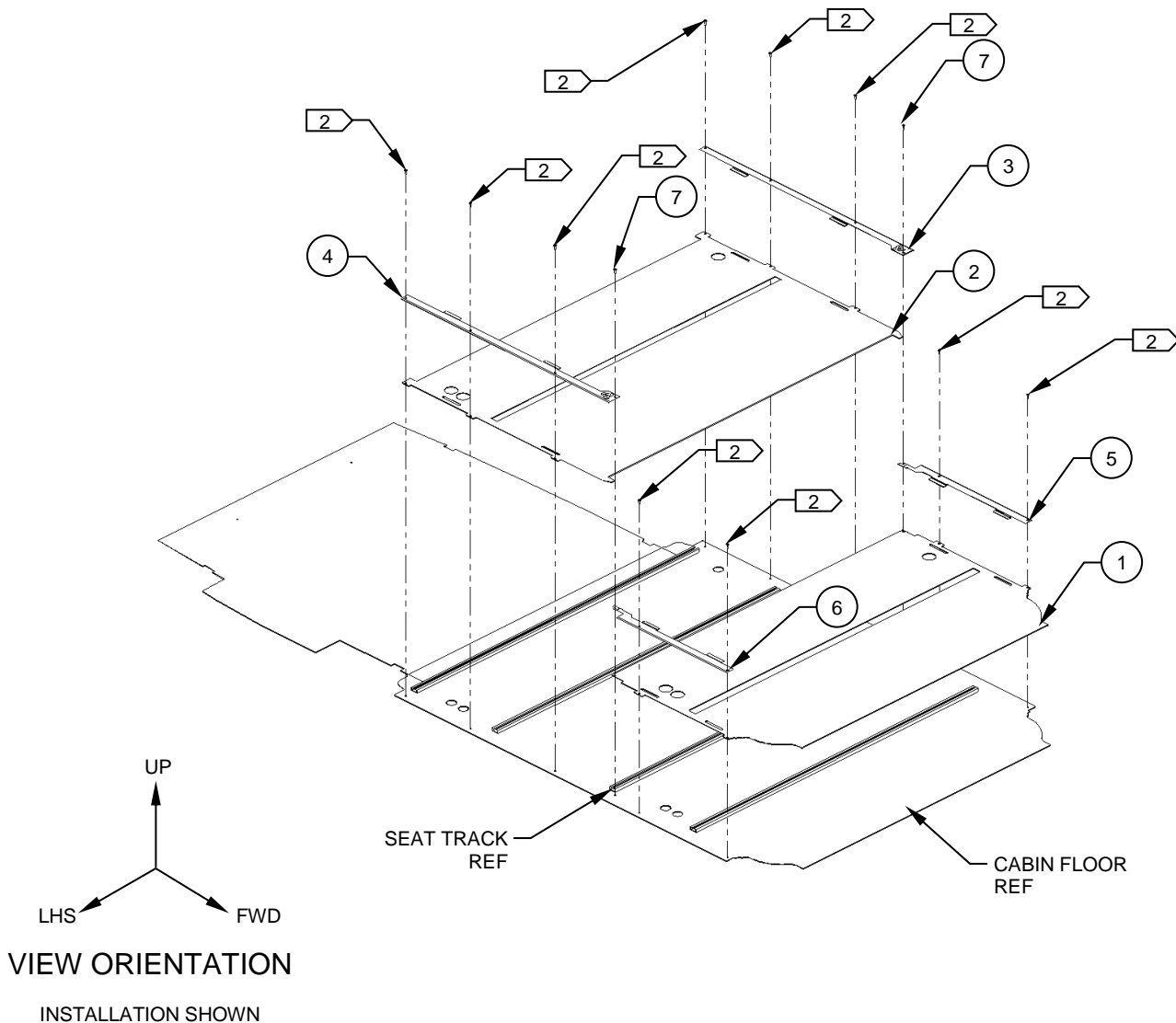


**Figure 1**  
Some Items  
Removed for  
Clarity

**Installation Instructions** (cont.)

**Floor Protection, Kit, FWD**

2. Remove all of the fasteners along the LHS and RHS door sills. Reuse all fasteners except those in locations where Item 7 will be installed. Reference Figures 1 & 2. Retain OEM fasteners that are replaced by Item 7.
3. Install Panel, Assys (Items 1 & 2) oriented as shown. Reference Figure 2.



**Figure 2**  
Some Items  
Removed for  
Clarity

**Installation Instructions** (cont.)

**Floor Protection, Kit, FWD**

4. Install Sill, Details (Items 3, 4, 5 & 6) with the provided fasteners (Item 7) where shown. Reinstall OEM fasteners in all other locations. Reference Figure 2.
5. Install Grip Tape, Detail (Item 8) on the Panel, Assy(s) (Item 1 & 2) by removing the backing and placing the tape on the panel in the desired location(s). Apply adequate pressure to ensure proper adhesion to the Panel, Assy(s) (Items 1 & 2).

**NOTE:** Installation of the Grip Tape, Detail (Item 8) is not mandatory and the installer may use their discretion as to the location.

6. Installation complete
7. Perform a General Inspection of all items to ensure proper installation.
8. Update the aircraft logbook for the installation of Floor Protection, Kit FWD.

### **Removal Instructions**

1. Remove all components associated with the Floor Protection, Kit, FWD.
2. Replace Screw, Washer Head (Item 7), with OEM fastener.
3. Perform a General Inspection of all items to ensure proper removal.
4. Update the aircraft logbook for the removal of the Floor Protection, Kit, FWD.