

NC-14-030
Cirrus Headliner Installation Instructions



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Cirrus Headliner Installation Instructions

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EFFECTIVITY

Cirrus Aircraft Types: SR20, SR22 & SR22T

REVISION HISTORY

REV	DESCRIPTION	DATE
A	See ECN 14-024	5/27/2015
B	See ECN 15-009	9/17/2015
C	See ECN 16-013	10/7/2016
D	See ECN 16-016	12/5/2016
E	See ECN 17-001	3/20/2017
F	See ECN 17-024	9/8/2017
G	See ECN 17-038	10/04/2019
H	See ECN 20-010	4/1/2020

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PURPOSE

To assist in installation of the headliner in the Cirrus SR20, SR22 & SR22T.

HEADLINER INSTALLATION

- A. Installation of headliner typically occurs after all other tasks have been accomplished and system is serviced but prior to the rest of the cabin interior reinstallation.
- B. Remove the rubber window trim and disconnect the speaker and light/lights. Remove the headliner, both door pillar panels, both aft panels and baggage window panel.
- C. The old headliner will be replaced with a new headliner and internal ducting. The old right and left rear panel will be replaced by new panels with room for the internal ducting to the headliner. The old Bulkhead Cover will be replaced with a new formed sheet metal cover. See Table 1 for the Cirrus Part Numbers and the Kelly Aerospace replacement part.

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Table 1 – Headliner Parts Replaced

Cirrus Part Number	Description	Kelly Aerospace Part Number	Description
12232-001	Trim, Cabin Headliner	AC-01100	Cirrus Headliner Assembly
13100-001, -002			
20345-001, -002, -003			
21710-001			
23598-001, -002, -003, -005, -006			
12230-001, -002	Trim, Headliner, RH Rear	AC-01101	Cirrus Right Rear Panel
13102-001			
20347-001, -002, -003, -005, -006, -007			
21712-001			
12231-001, -002, -003	Trim, Headliner, LH Rear	AC-01102	Cirrus Left Rear Panel
13101-001			
20346-001, -002, -003, -005, -006, -007			
21711-001			
20340-001, -002, -003, -004	Trim, B-Pillar, LH	AC-01104	Cirrus Gen 2 Left Pillar Cover
21707-001			
22133-001, -002, -003, -005, -006, -007			
20341-001, -002, -003, -004	Trim, B-Pillar, RH	AC-01105	Cirrus Gen 2 Right Pillar Cover
21708-001			
22134-001, -002, -003, -005, -006, -007			
20344-001, -002, -003	Interior Trim, 222 Bulkhead Cover	AC-01491	Cirrus Bulkhead Cover Assembly
21709-001			
29191-001, -002, -003, -004, -005, -006			
12228-003, -005	Trim, B-Pillar, LH	AC-01487	Cirrus Gen 1 Left Pillar Cover
12228-004, -006	Trim, B-Pillar, RH	AC-01488	Cirrus Gen 1 Right Pillar Cover

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- D. After removing the old headliner, detach the speaker, light/lights, coat hangers and any other items. Transfer those items to the new headliner AC-01100. Fit reading light switches with AC-01413 collar with black side showing before installing in headliner. If reading lights and switches are not present, choose one of the following three options. Option 1, cap the holes with (2) 85985K22 and (2) 85985K29 plugs. Option 2, purchase and install Cirrus interior reading lights. Option 3, contact Kelly Aerospace Thermal Systems to purchase a custom headliner excluding reading light and switch holes (contact KATS for current pricing). Install (2) AC-01106 Vents in locations shown. See Figure 1 for top and bottom views.



Figure 1 – Vent locations in new headliner

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- E. If required, mask rear pilot, rear passenger and back window with painter's tape and use black paint to create a 1.5" wide border around the edge of the windows to hide any exposed edges of the Headliner or Panels. See Figure 2.



Figure 2 - Mask windows and paint border if required

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- F. Feed the two SCAT-10 Tubes from the Evaporator through the AC-01101 Right Rear Panel. Poke two small holes in the Right Rear Panel to match existing Click-Bonds and fasten with (2) 91249A161 Pan Head Screws and (2) AN960-C6L S.S. Washers. See Figure 3.



Figure 3 - Attach tubing, feed through Right Rear Panel then fasten

- G. Poke two small holes in the AC-01102 Left Rear Panel to match existing Click-Bonds and fasten with (2) 91249A161 Pan Head Screws and (2) AN960-C6L S.S. Washers, trimming to fit when required. Re-attach rubber baggage door trim. See Figure 4.



Figure 4 - Left Rear Panel installation

- H. Connect the SCAT-10 Tubes to the front and rear ports on the back side of the Headliner. Re-connect the transplanted lights and speaker wiring and test them to ensure they work properly.

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- I. Attach Headliner to Right Rear Panel with a minimum of (3) 90935A196 Screws. Fasten bottom of the Right Rear Panel underneath the Lower Rear Panel with at least (1) 90935A196 Screw. See Figure 5.



Figure 5 - Attach Headliner and Right Rear Panel

- J. Attach Headliner and Left Rear Panel with a minimum of (3) 90935A196 Screws. See Figure 6.



Figure 6 - Attach Headliner and Left Rear Panel

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- K. Trim the passenger side of the Headliner to fit if required and re-attach the rubber door trim. Re-install the emergency parachute grab handle. Ensure the Headliner is centered to the grab handle as shown in Figure 7.



Figure 7 - Headliner, pillar and trim installation

Now close the door on the passenger side to hold the headliner in place and repeat those steps on the pilot side. Install Left and Right Pillar Covers or re-install the original OEM pillar covers if preferred. See Figure 8.



Figure 8 - Left & Right Pillar Covers

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- L. Remove the back two AN3-4A bolts and AN960-10L washers from the AC-01011 Evaporator Cover Assembly. Align AC-01491 Bulkhead Cover Assembly with the AC-01011 holes and refasten the washers and bolts in their original location. Fasten (2) 90935A196 Black Screws through the top holes of AC-01491 and anchor it in to the right and left headliner sections. See Figure 9.



Figure 9 - Attached bulkhead cover assembly

- M. Headliner installation is complete. See Figure 10 for finished Headliner.



Figure 10 - Finished Headliner