

TEMPORARY REVISION

AMM-TR-OÄM 40-316/D

Amendment to the R&I of the RACC Central Unit (if OÄM 40-316/i or later is installed)

This Temporary Revision AMM-TR-OÄM-40-316/D is approved in conjunction with the Optional Design Change Advisory OÄM 40-316 and is valid in conjunction with the Airplane Maintenance Manual (AMM) until this Temporary Revision has been incorporated into the AMM.

The limitations and information contained herein either supplement or, in the case of conflict, override those in the AMM.

The technical information in this document has been approved.

Doc. No	Section	Affected Pages
6.02.15	21-51-00	Page 201- 206
		Insert before Page 201.

Filing Instructions:

- Print this Temporary Revision and Cover pages on double sided 8.5 X 11 inch yellow paper.
- Insert the Cover pages before the first page of the Temporary Revision.
- Insert the six pages of this Temporary Revision and the Cover pages in the AMM before page 201 of 21-51-00, as instructed in the Affected Pages column.
- Record the incorporation of this Temporary Revision on the yellow RECORD OF TEMPORARY REVISIONS sheet at the front of the manual.
- Keep this Temporary Revision until normal revision service incorporates the information into the DA 40 NG AMM.

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21-51- MAINTENANCE PRACTICES (OÄM 40-316/i or later installed)

1. Remove/Install the RACC Central Unit

CAUTION: THE EXTERNAL POWER UNIT MUST BE DISCONNECTED PRIOR TO THE REMOVAL OR INSTALLATION OF THE RACC CENTRAL UNIT. THIS IS NECESSARY TO PREVENT THE POSSIBILITY OF AN ELECTRICAL SHORT.

Refer to Figures 201, 202 and 203.

A. Remove the RACC Central Unit.

	Detail Steps/Work Items	Key Items/References
(1)	Remove the passenger seats.	Refer to Section 25-10.
(2)	Remove the seatbelt pulleys of the passenger seats.	Refer to Section 25-10.
(3)	Remove the short baggage extension.	Refer to Section 25-10.
(4)	Remove the flexible air hoses from the RACC central unit: <ul style="list-style-type: none"> - Flexible cold air hose. - Flexible hot air hose. 	
(5)	Remove the hot exhaust air-duct from the RACC central unit.	
(6)	Disconnect the electrical connections from the RACC central unit to: <ul style="list-style-type: none"> - One 4AWG cable marked 24600C4 (Cap and stow wire 24600C4). - One 4AWG cable marked 24601A4N connected to the ground stud of the RACC central unit - One plug coming from the RACC control panel. 	Electrically insulate wire 24600C4 to prevent an electrical short while the RACC central unit is disconnected or removed.
(7)	Remove drain hoses from RACC central unit: <ul style="list-style-type: none"> - The drip tray drain hose. - The evaporator drain hose. 	
(8)	Remove the drip tray.	

	Detail Steps/Work Items	Key Items/References
(9)	Remove the four bolts which connect the base plate of the RACC central unit to the RACC brackets on the LH and RH side of the airplane.	
(10)	Slide the RACC central unit forward.	
(11)	Lift the RACC central unit clear and remove it from the airplane.	

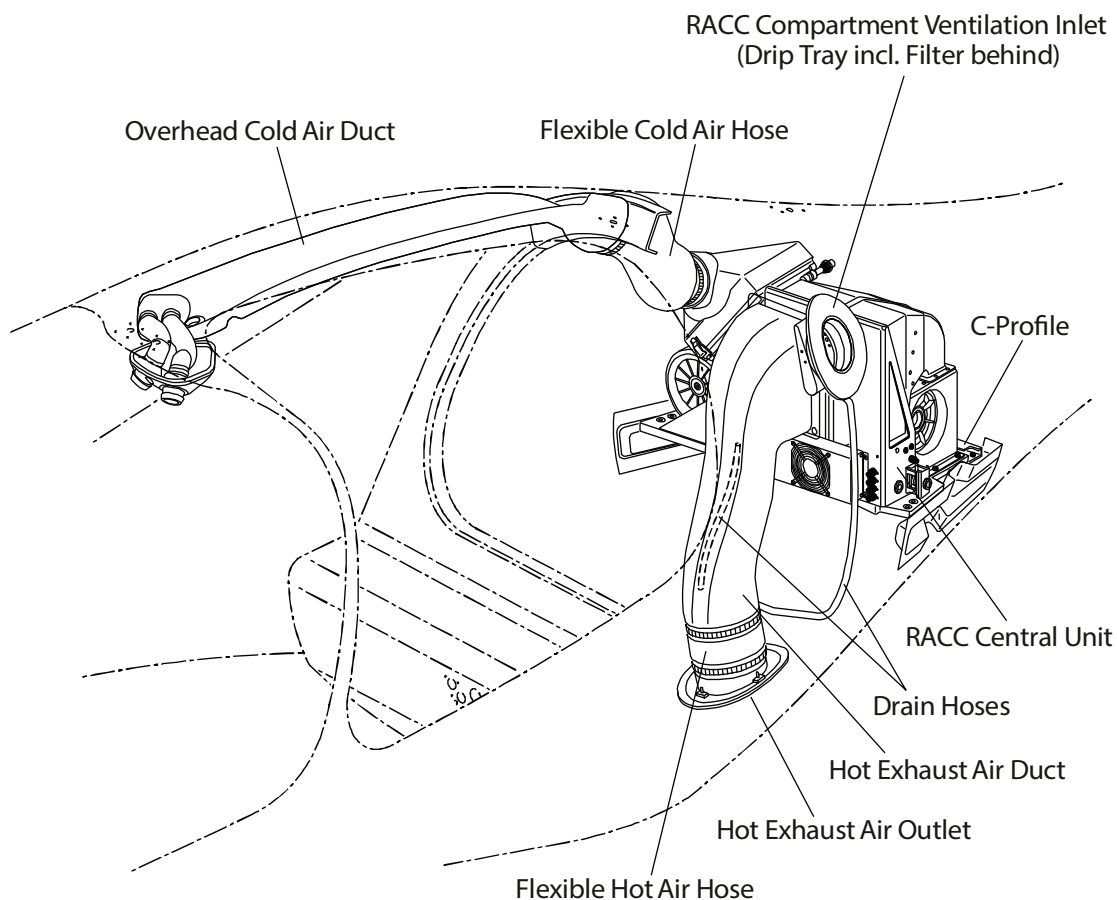


Figure 201 : RACC Central Unit Installation (if OÄM 40-316/i or later installed)

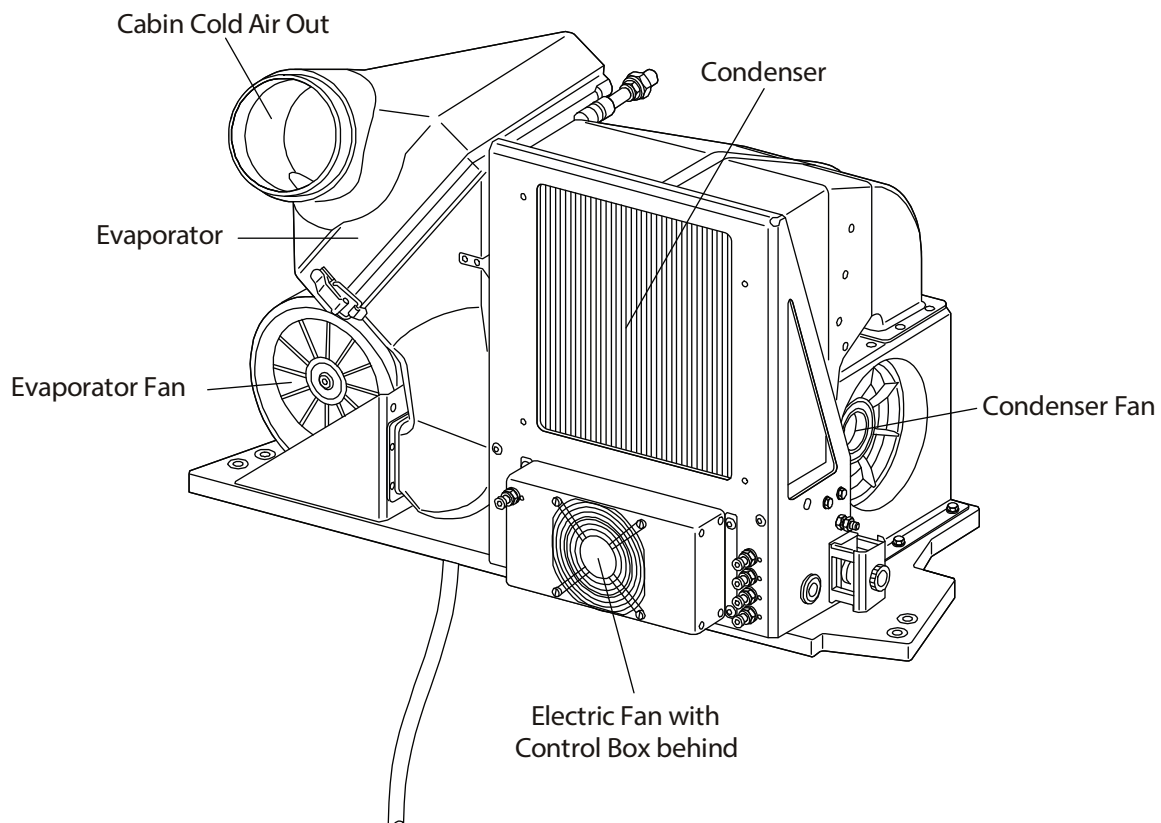


Figure 202 : Central Unit - Front and LH Side (if OÄM 40-316/i or later installed)

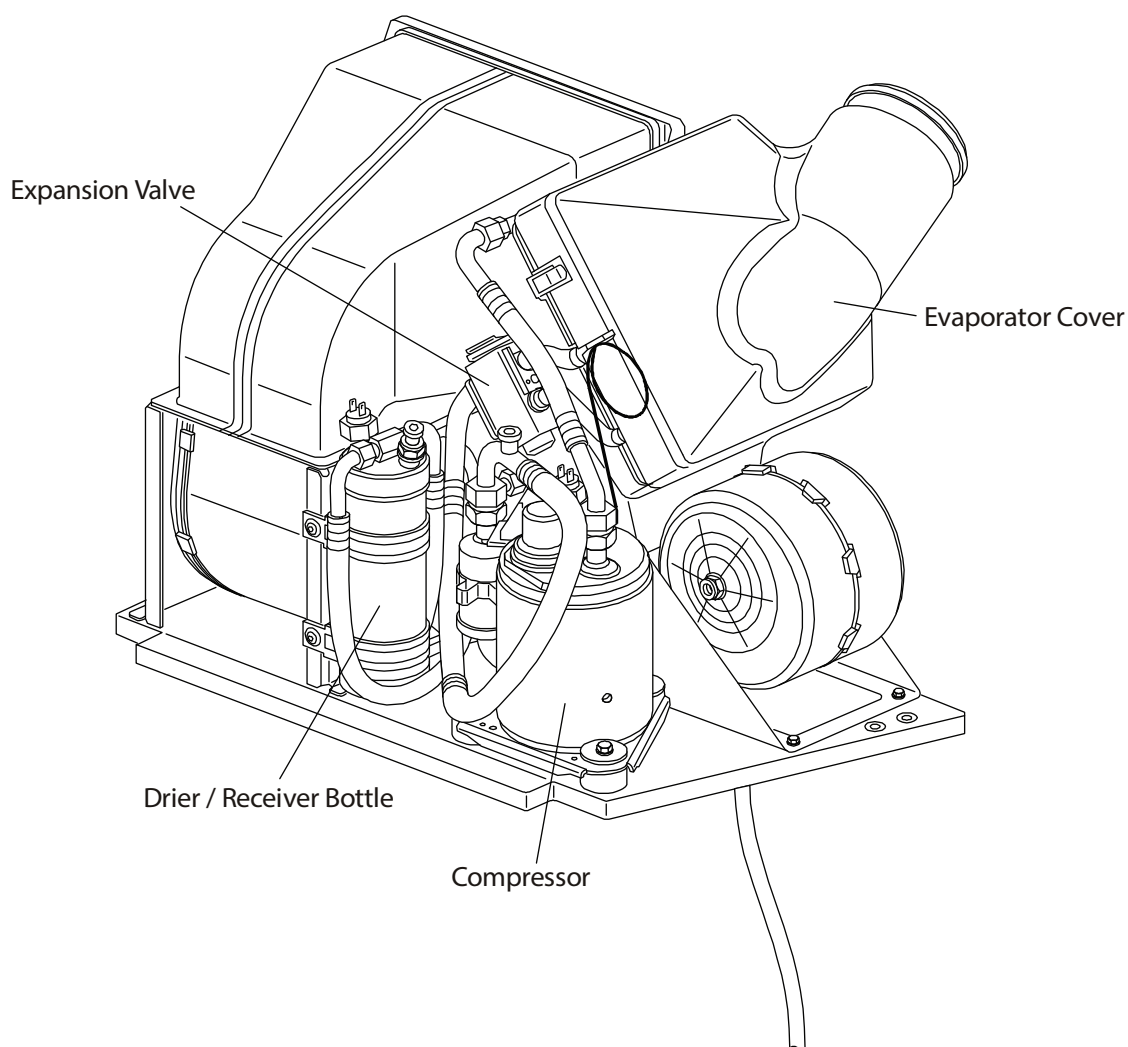


Figure 203 : Central Unit - Back and RH Side (if OÄM 40-316/i or later installed)

B. Install the RACC Central Unit.

	Detail Steps/Work Items	Key Items/References
(1)	Lift the RACC central unit into the airplane.	
(2)	Slide the RACC central unit backward. Make sure to position the baseplate of the RACC central unit above the RACC brackets and trailing edge of the baseplate inside the C-profile.	
(3)	Install the four bolts which connect the baseplate of the RACC central unit to the RACC brackets on the LH and RH side of the airplane.	
(4)	Install the drip tray.	
(5)	Install drain hoses to the RACC central unit: <ul style="list-style-type: none"> - The drip tray drain hose. - The evaporator drain hose. 	
(6)	Connect the electrical cables to the RACC central unit to: <ul style="list-style-type: none"> - Two 4AWG cables marked 24600C4 and 24601A4N. - One plug coming from control panel. 	<p>Remove the electrically insulating material from the 4 AWG cable marked 24600C4 and connect it to the terminal block of the RACC central unit.</p> <p>Connect the other 4 AWG cable marked 24601A4N to the ground stud of the RACC central unit.</p>
(7)	Install the hot exhaust air-duct to the RACC central unit.	
(8)	Install the flexible air hoses to the RACC central unit: <ul style="list-style-type: none"> - Flexible cold air hose. - Flexible hot air hose. 	
(9)	Install the short baggage extension.	Refer to Section 25-10.
(10)	Install the seatbelt pulleys to the passenger seats.	Refer to Section 25-10.
(11)	Install the passenger seats.	Refer to Section 25-10.
(12)	Perform a cooling test of the RACC system.	