



Service Bulletin No.1012

MODEL	: T-800 Series, T-900 Series
TYPE	: Product improvement
MANUAL & SECTION	: Maintenance Manual: Chapter 10 - HVAC System
DATE	: December 5 th , 1997
SUBJECT	: Fresh air duct Süttrak AC35 rooftop unit
CONDITIONS	: Parts may be obtained from International Coach Parts Inc., 17469 West Colonial Drive, Building A, Wintergarden, FL 34787.

DESCRIPTION : For vehicles operating in cold climates, an air duct deflector plate has been designed to improve the fresh air flow through the evaporator and heater coils of the Süttrak AC35 rooftop unit. This product improvement increases the efficiency of the coils and decreases the number of fluctuations in temperature fore and aft of the coach by 50%.

PARTS

Always use genuine maintenance products and parts. Do not accept imitations!

Part No.	Description	Qty.
SÜ 10.61.10.058	Fresh air duct deflector plate	1
SÜ 15.03.01.915	Cover insulating strip 8 x 16 x 1/8 inch	1
SÜ 15.03.01.916	Cover insulating strip 8 x 8 x 19/32 inch	2
	Armaflex selfadhesive insulating tape 2 x 1/8 inch	#
	Silicone sealer	#
	Putty	#

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.

SERVICE PROCEDURE:

!!! CAUTIONS AND BASIC SAFETY RULES !!!

USE SAFE SHOP PRACTICES AT ALL TIMES.

READ THE ENTIRE PROCEDURE BEFORE BEGINNING WORK.

THIS SERVICE PROCEDURE INVOLVES WORKING ON THE ROOF OF THE COACH. MAINTENANCE AND SERVICE PERSONNEL WHO DO NOT FEEL CONFIDENT ABOUT WORKING ON HEIGHTS SHOULD ABSTAIN FROM DOING SO.

SINCE A LARGE OBJECT MUST BE HANDLED, THE TECHNICIAN EXECUTING THE CONVERSION SHOULD BE ASSISTED BY A SECOND PERSON.

PERSONNEL PERFORMING THE JOB DESCRIBED MUST USE SAFETY LADDERS, A SCAFFOLD OR A SCISSOR LIFT.

WHEN OPERATING ON THE ROOF OF THE COACH, WEAR A SAFETY HARNESS AND WIRE.

NOTE

Protect the surface surrounding the rooftop unit against scratches, nicks and dents.

When using safety ladders, wrap posts leaning against the vehicle with soft material to avoid damaging the paintwork.

1. Put coach on a level surface with parking brake "ON" and contact "OFF".
2. Working on the roof of the vehicle, undo the 10 twistlocks securing the cover plate of the rearward compartment of the AC35 rooftop unit (see figure 1). To unlock, push the twistlock down with a large screwdriver and turn 1/4 turn counter clockwise. Remove the twistlocks except for the two on the centerline, which cannot be removed. Store twist locks away for further use.
3. With the aid of an assistant, lift off the cover and put it upside down on a flat, soft surface (e.g. cardboard) where it cannot be damaged.

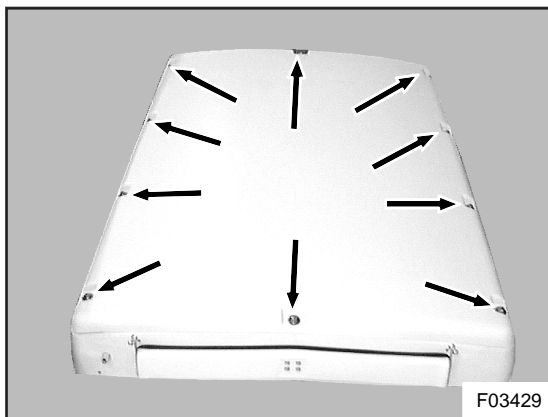


Figure 1: Location of twistlocks on cover plate

4. Glue the three selfadhesive cover insulating strips to the inside of the lid as indicated in figure 2 and allow to cure.

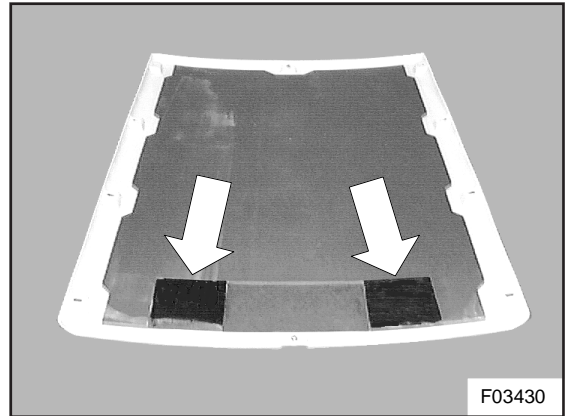


Figure 2: Glueing the cover plate insulating strips on the air intake flap side

5. On the roof of the coach, remove the weatherstrip from the evaporator compartment edge closest to the air intake flap (see figure 3).

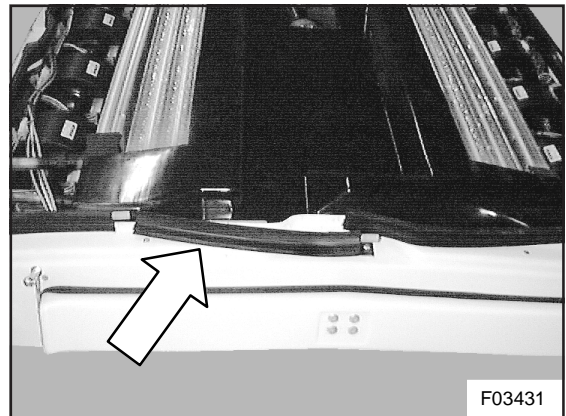


Figure 3: Weatherstrip removal

6. With a jabsaw and a round rasp, make a vertical slot in the GRP airduct reinforcement plate, allowing the fresh air flap actuating valve lines to be lowered (see figure 4).

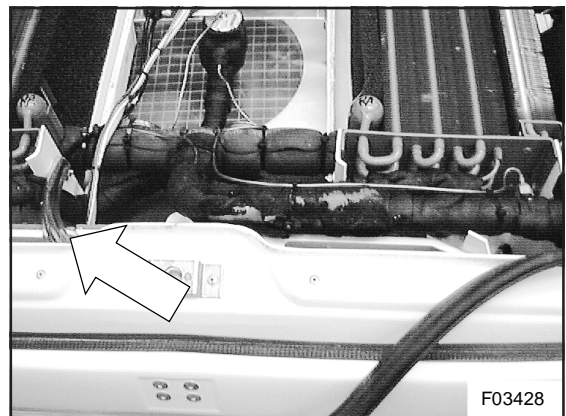


Figure 4: Location of fresh air flap actuating valve lines

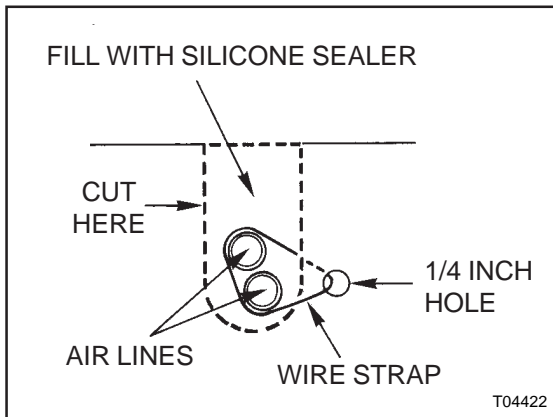


Figure 5: Air line slot

7. Drill a 1/4 inch hole next to the lower half of the slot and tie down the airlines with a wire strap, taking care that the lines do not touch the slot edge (see figure 5).
8. Fill slot completely with silicone sealer and allow to cure.

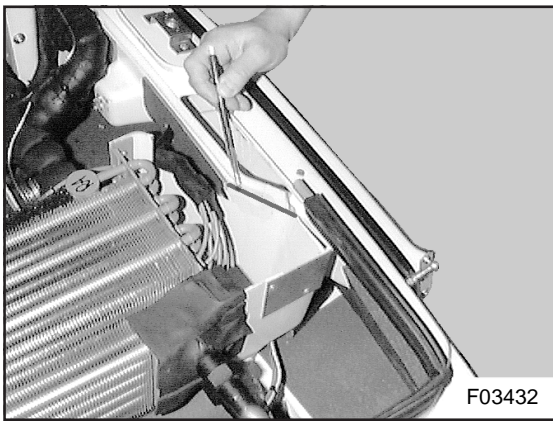


Figure 6a: Left hand gap

9. Close the gap between air duct and evaporator deflector plates left and right with putty and allow to cure (see figures 6a and 6b).

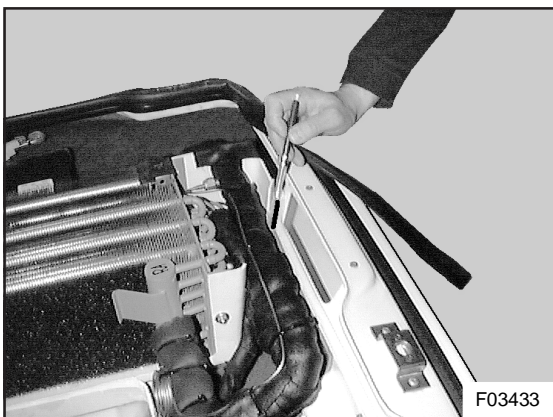


Figure 6b: Right hand gap

10. Cover heater coil end sections left and right with 2 x 1/8 inch Armaflex insulating tape (see figures 7a and 7b).

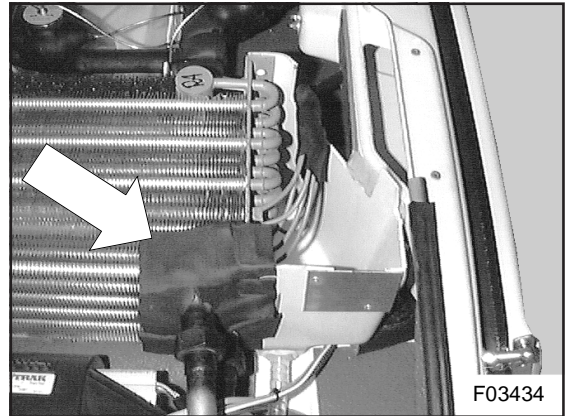


Figure 7a: Left hand heater coil end section



Figure 7b: Right hand heater coil end section

11. Cover inner edge of evaporator coils with 5 ft of 2 x 1/8 inch Armaflex insulating tape as indicated in figure 8.

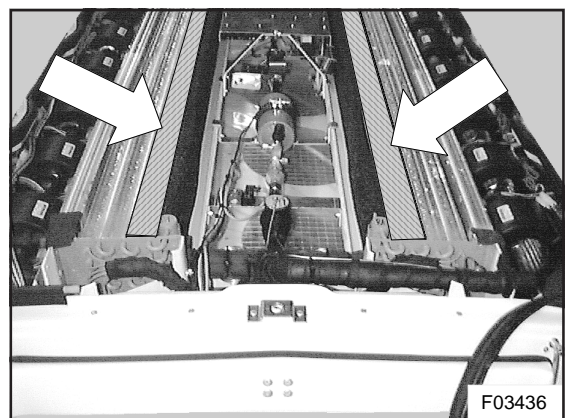


Figure 8: Location of insulating tape on inner edge of evaporator coils

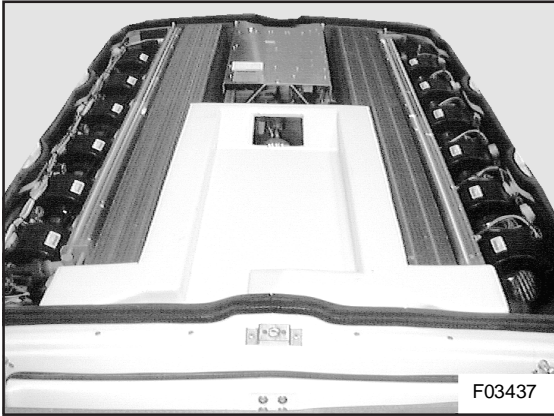


Figure 9: End position of air duct deflector plate

12. Slip fresh air duct deflector plate over evaporator and heater coils as indicated in figure 9.

13. Refit weatherstrip to evaporator compartment edge. Make sure weatherstrip ends are connected by rubber insert.

14. Reinstall compartment coverplate with twistlocks, starting with the ones on the cover centerline. To lock, push the twistlock down with a large screwdriver and turn 1/4 turn clockwise. Make sure all twistlocks are properly seated.

15. Remove roof protection, tools and equipment. Test Sütrak AC35 rooftop unit for proper functioning.

Procedure complete

SERVICE INFORMATION

1. Fresh air duct deflector plates for Sütrak AC35 rooftop units will not be available as spare parts.
2. Deflector plates for conversion purposes can be obtained from ICP INC.