

# ***ROOFTOP UNIT***

**TA-2220 • 12V**

**TA-2221 • 24V**

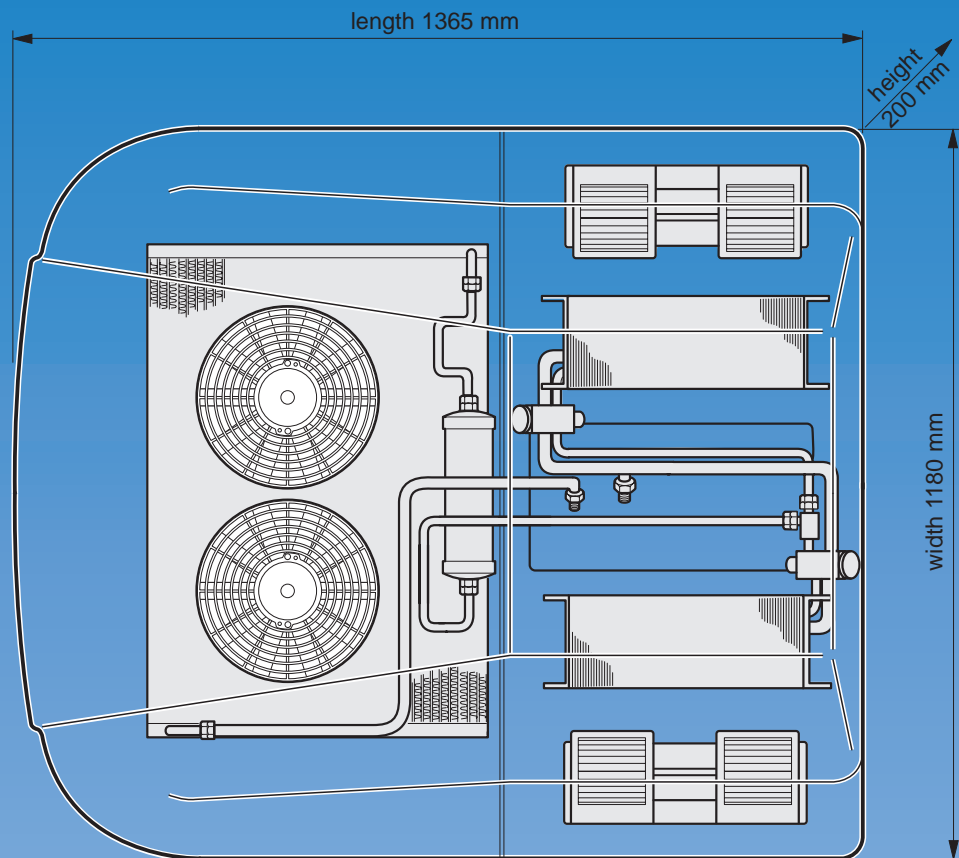


- **High Cooling Capacity**
- **Low Power Consumption**
- **Small Dimensions**
- **Low Weight**
- **Parallel Flow Condenser**
- **Aluminum Body**
- **ABS Acrylic Cover**

**ef**  
**euroFRIGO®**

**TA-2220 • 12V • p.n. 4500-220**

**TA-2221 • 24V • p.n. 4500-221**



**NOMINAL TECHNICAL DATA:**

Cooling Capacity : 10 Kw

Working Voltage : 12V d.c. / 24V d.c.

Power Consumption : 44A - 12V / 22A - 24V

Airflow (at Zero Static Pressure) : 1600 m<sup>3</sup>/h

Weight : 41 Kg

Recommended Compressor : EFUP150HD





**euroFRIGO<sup>®</sup>**

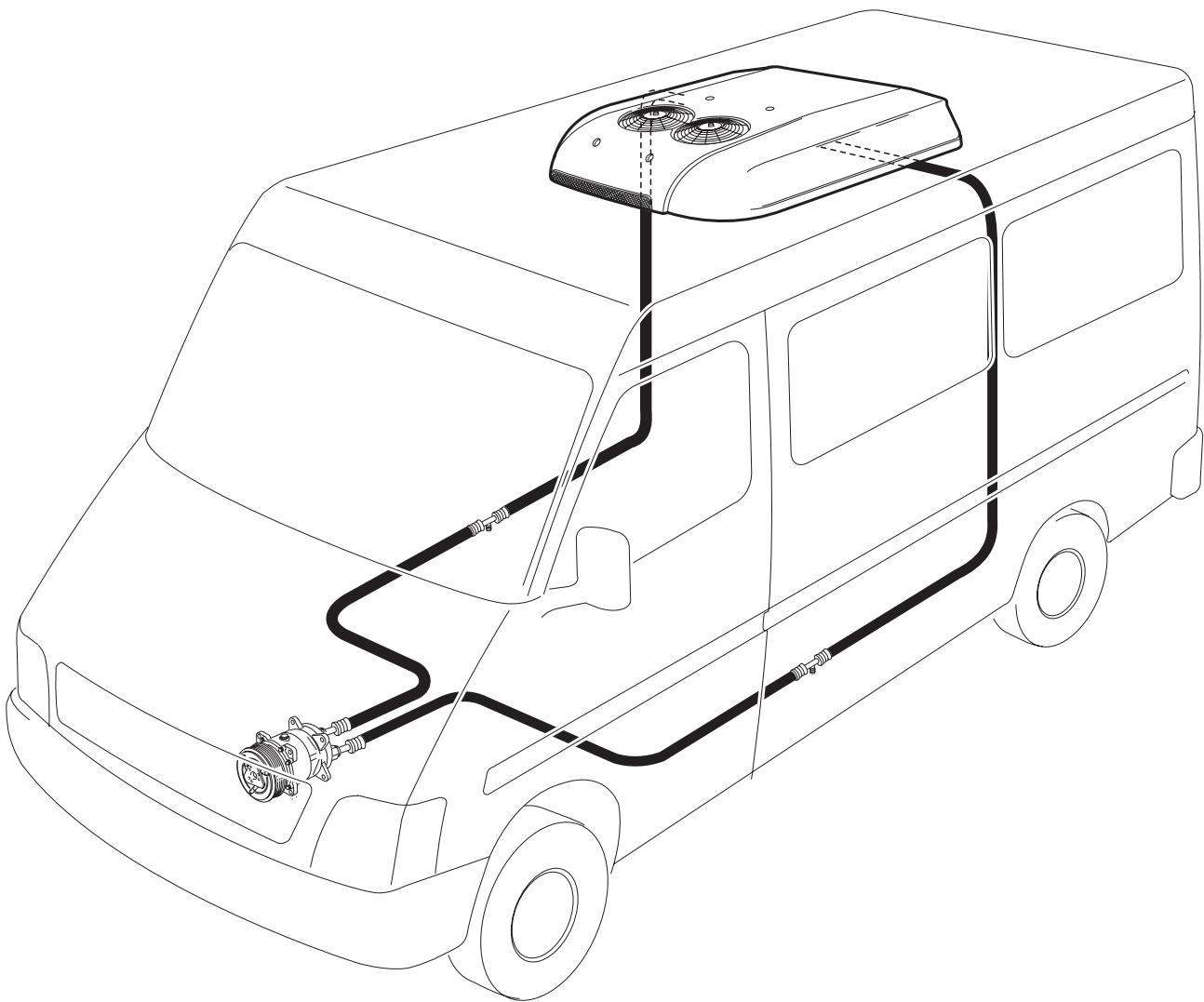
**TA-22**

**ROOFTOP UNIT**

**12V**

**TA-2220 • 12V**

**TA-2221 • 24V**

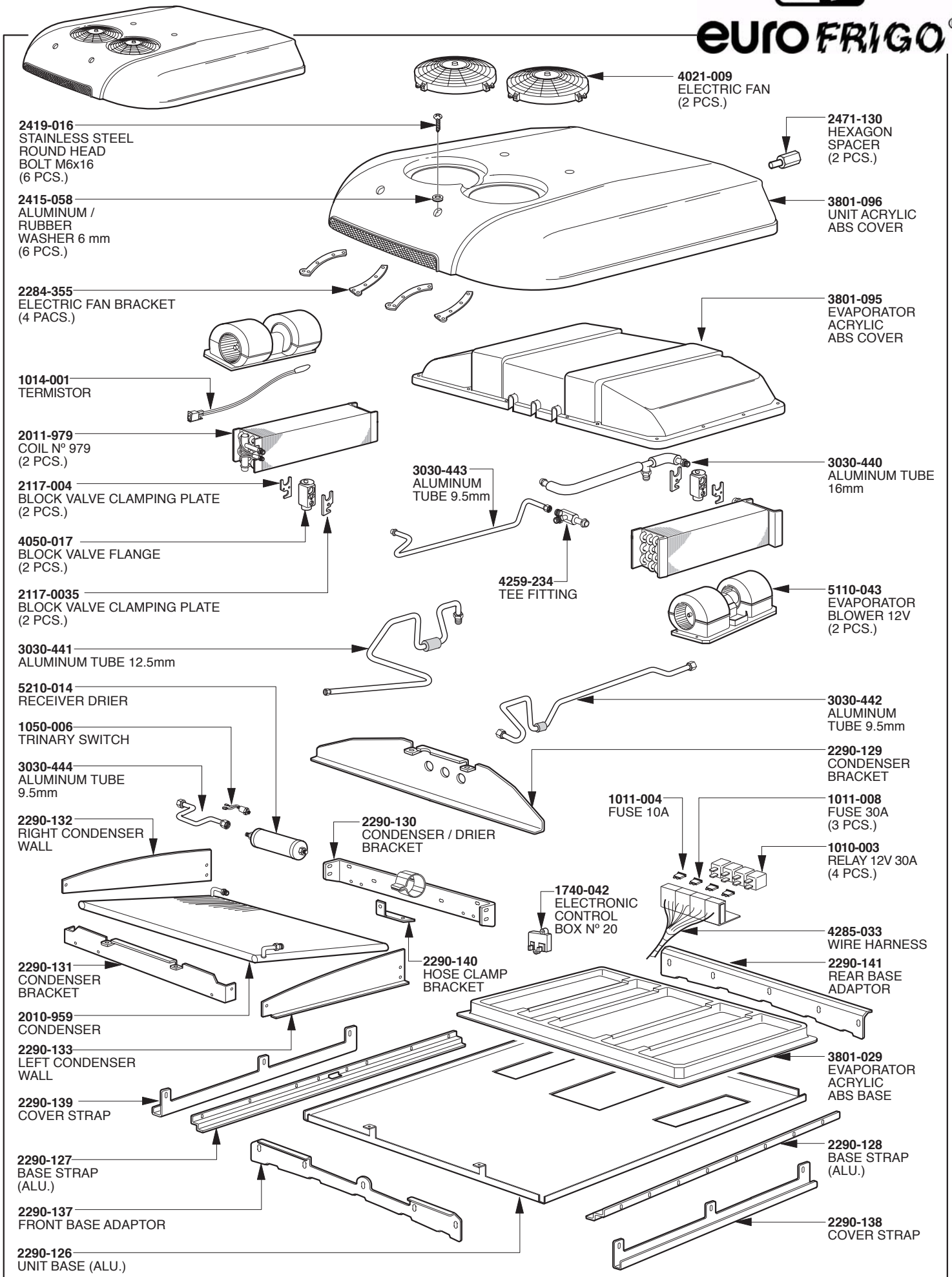


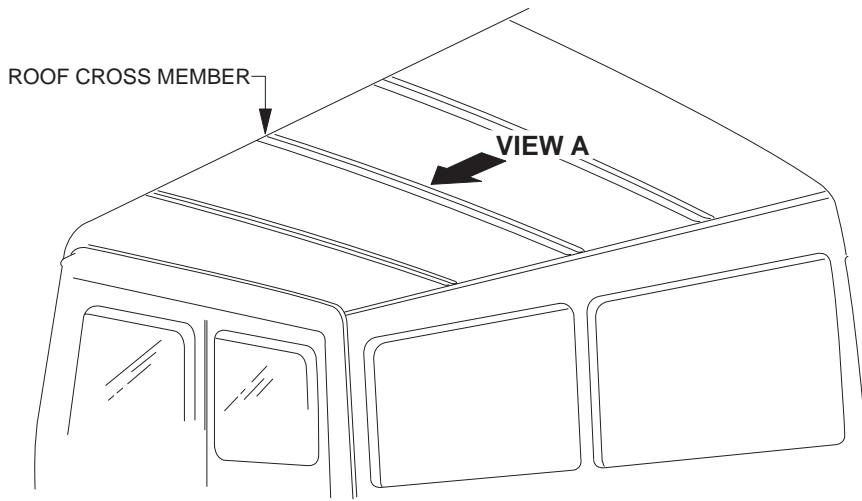
Refrigerant : R-134a.

Refrigerant charge :  $1600 \pm 100$  gr.

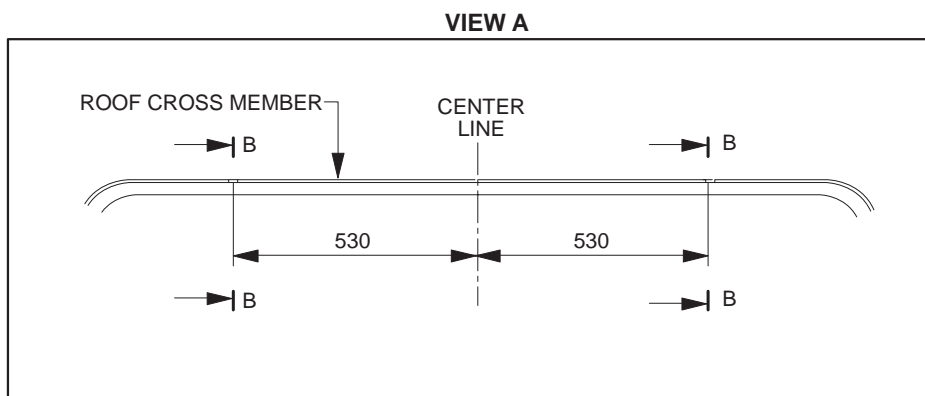
Oil : SP-20.

Oil charge : 90 cc (In addition to the existing oil in the compressor).

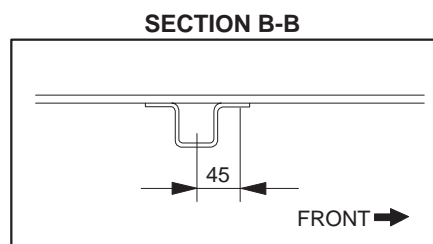




BEST AIRFLOW DISTRIBUTION WILL BE ACHIEVED IF THE EVAPORATOR WILL BE LOCATED AT THE THIRD REAR OF THE VEHICLE. TRACE THE 2 ROOF CROSS MEMBERS BETWEEN WHICH THE EVAPORATOR WILL BE LOCATED, SO WHILE CUTTING OUT THE 3 OPENINGS FOR AIR INTAKE AND AIR OUTLET THE ROOF CROSS MEMBERS WILL STAY UNTOUCHED.

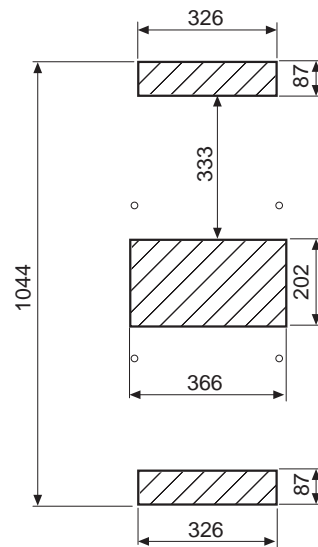
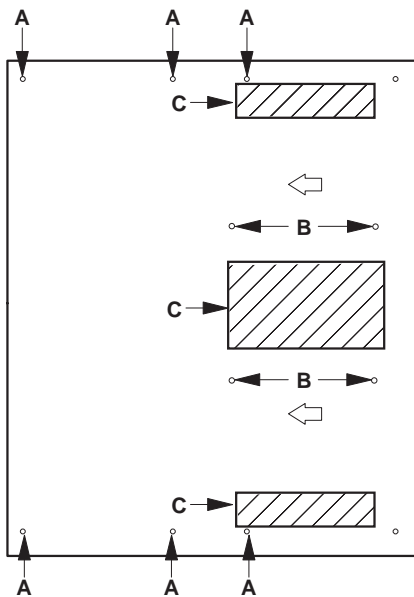
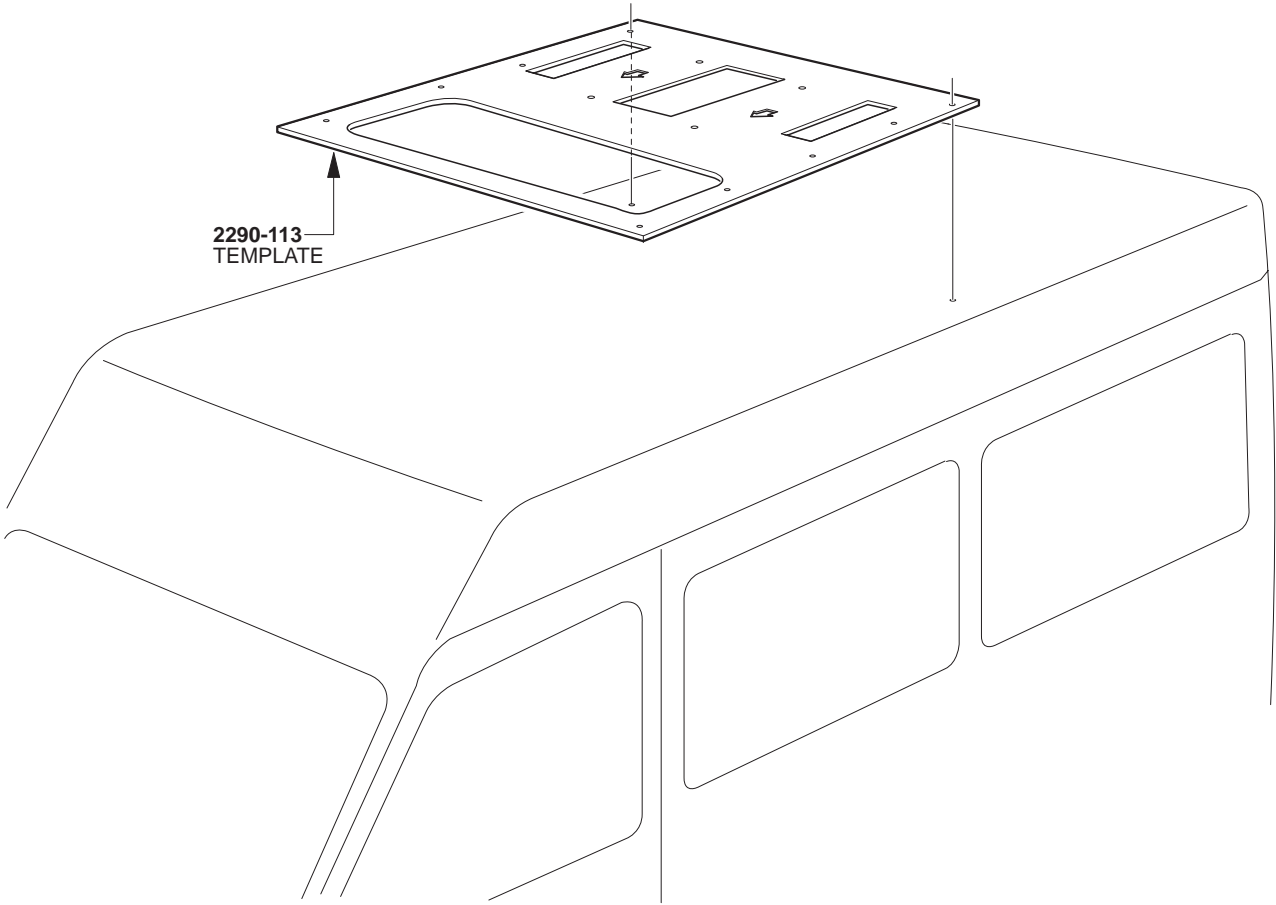


MARK AND DRILL 2 HOLES Ø10mm FOR LOCATING TEMPLATE. HOLES SHOULD BE 530mm FROM CENTER LINE AND 45mm FROM CENTER OF ROOF CROSS MEMBER.



LOCATE TEMPLATE ON VEHICLE'S ROOF USING THE 2 DRILLED HOLES.

2290-113  
TEMPLATE

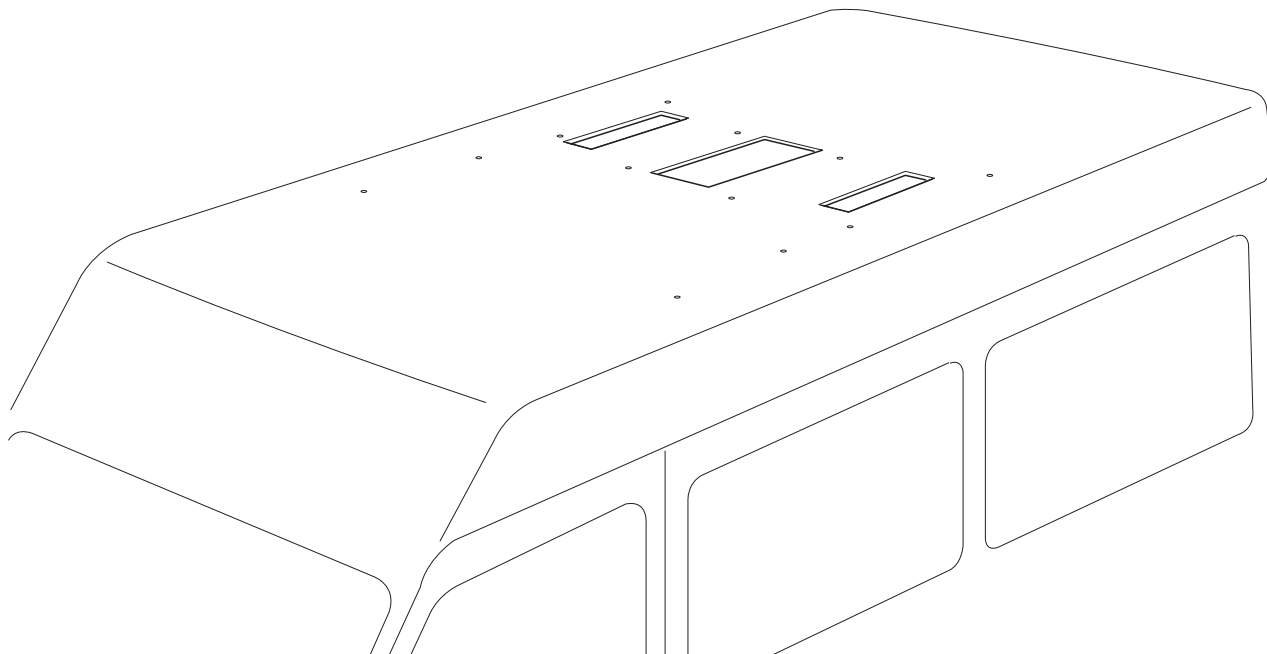


A. DRILL THE REMAINING 6 HOLES Ø10mm, MARKED A.  
B. DRILL 4 HOLES Ø90mm FOR DRAIN OUTLETS, MARKED B.  
C. CUT AWAY 3 OPENINGS: 1 FOR AIR INTAKE AND 2 FOR AIR OUTLET, MARKED C.

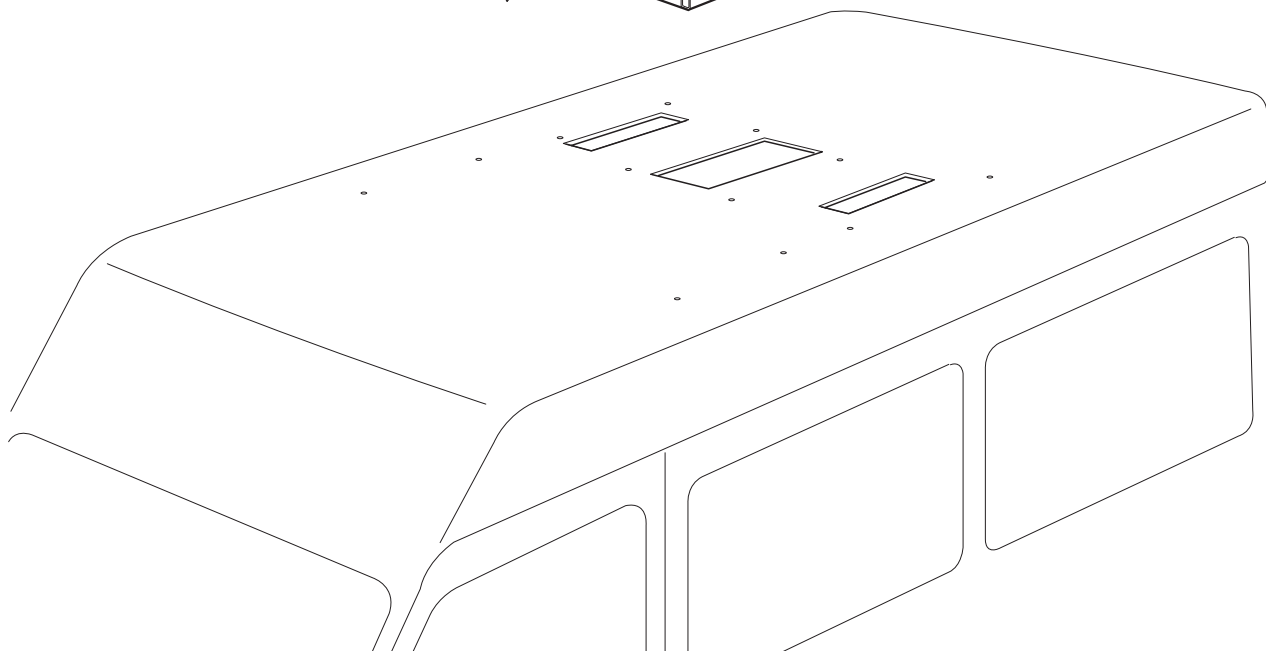
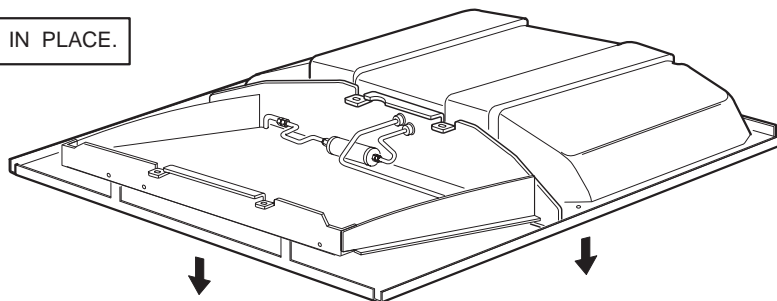
MEASUREMENTS IN mm FOR REQUIRED OPENINGS.

CLEAN CAREFULLY ROOF'S SURFACE TO ALLOW GOOD CONTACT OF SIKAFLEX.

PAINT TWICE ALL HOLES AND CUTTING LINES WITH TOP QUALITY ANTIRUST COLOR ENRICHED WITH ZINC.



LOCATE GENTLY THE ROOFTOP UNIT IN PLACE.



INSTALL 4 BASE COUNTER STRAPS.

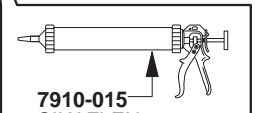
2422-063  
BOLT M6x25  
(8 PCS.)  
2416-002  
LOCKWASHER  
(8 PCS.)

2028-001  
BASE COUNTER  
STRAP  
(4 PCS.)

DISMANTLE 2 COVER STRAPS.  
INSTALL 2 BASE ADAPTORS,  
APPLY SIKAFLEX ALL AROUND THE UNIT.

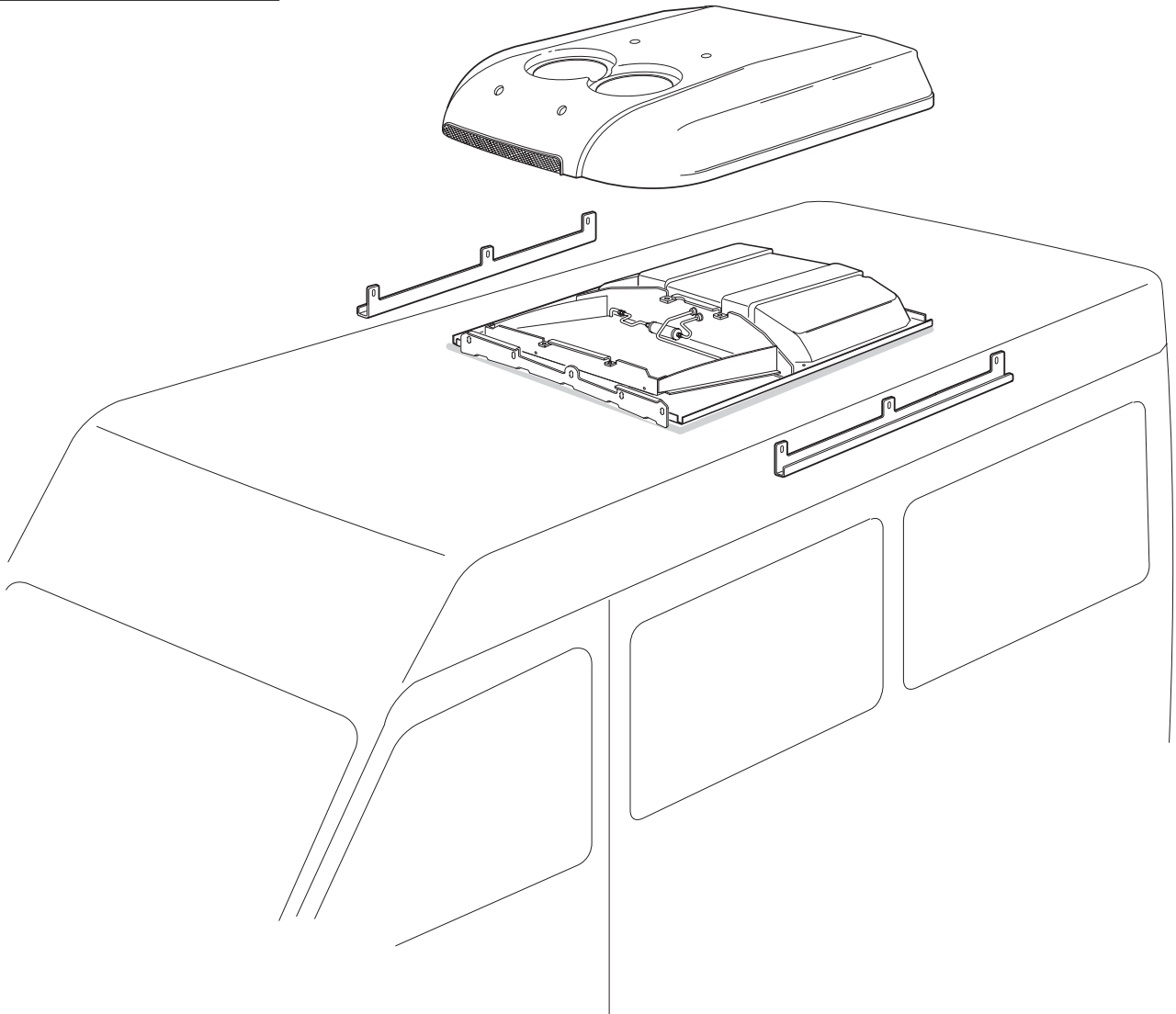
COVER STRAP

BASE ADAPTOR



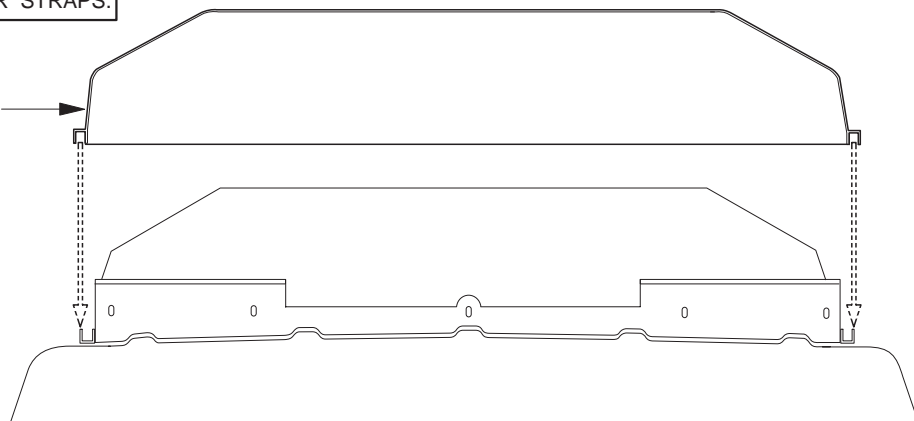
7910-015  
SIKAFLEX-221  
600ml TUBE  
(2 PCS.)

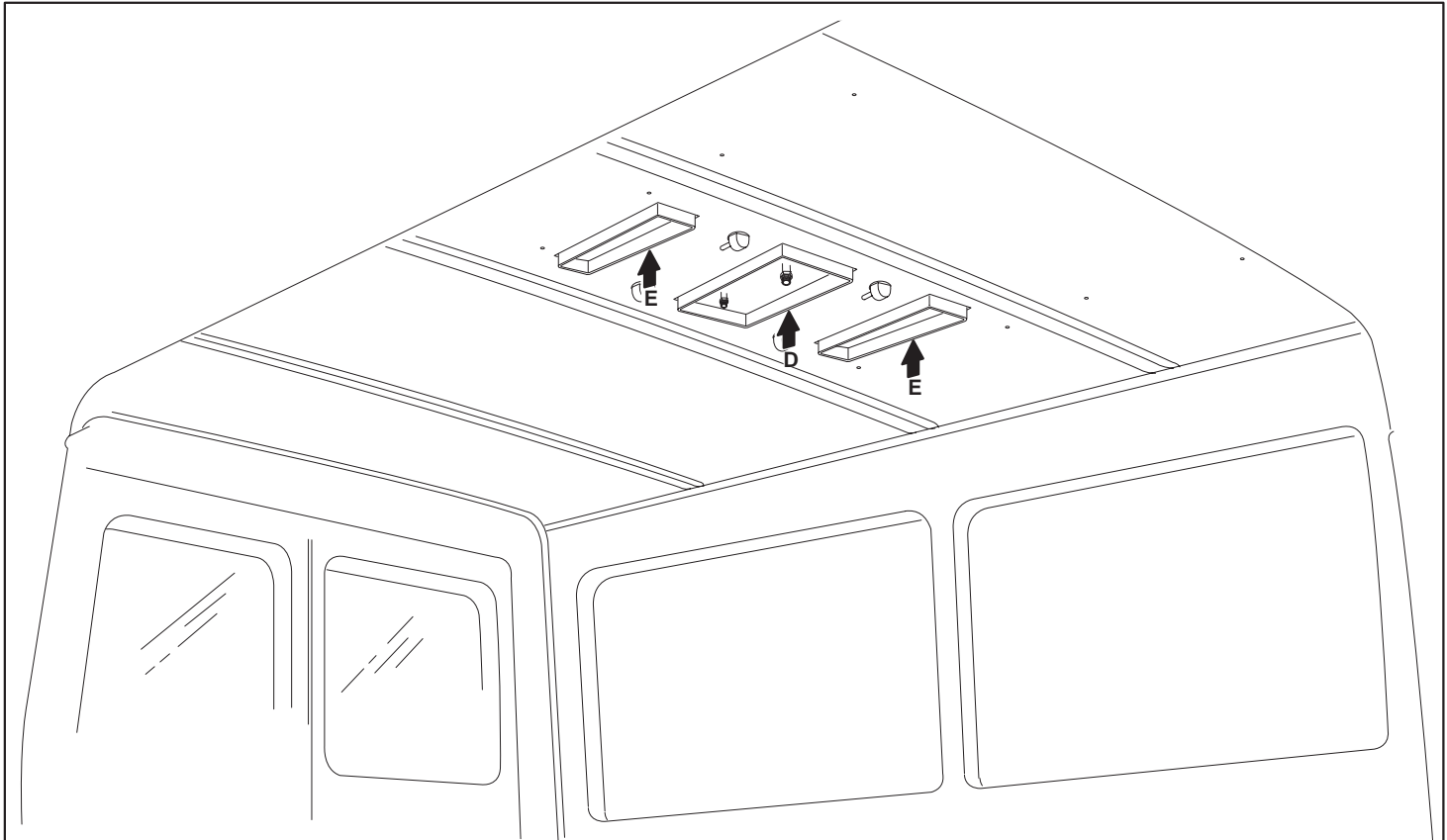
REINSTALL 2 COVER STRAPS  
AND UNIT ACRYLIC ABS COVER.



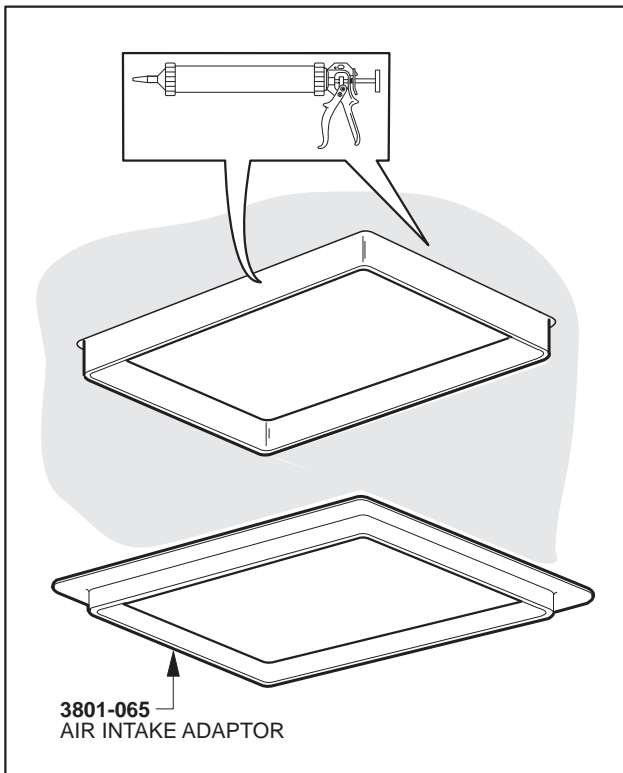
MAKE SURE COVER'S SLOTS ARE  
INSERTED INTO THE COVER STRAPS.

UNIT ACRYLIC ABS COVER

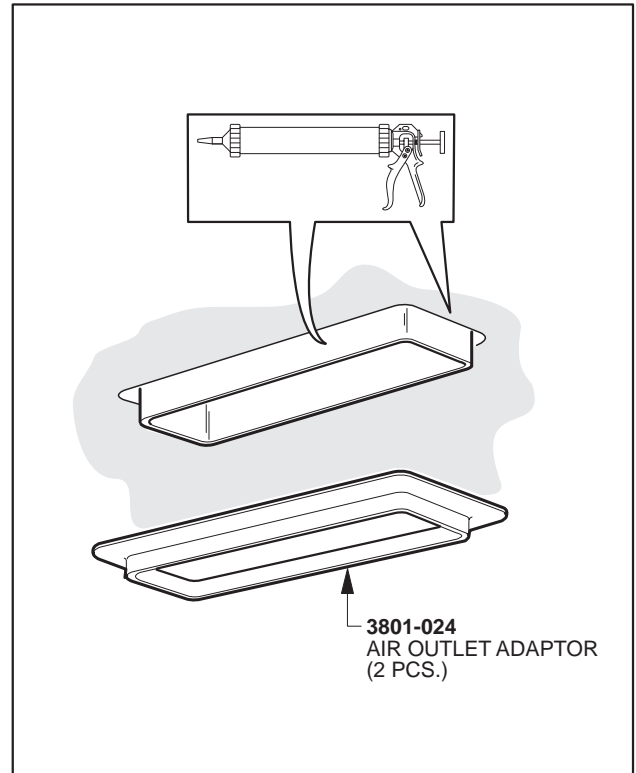




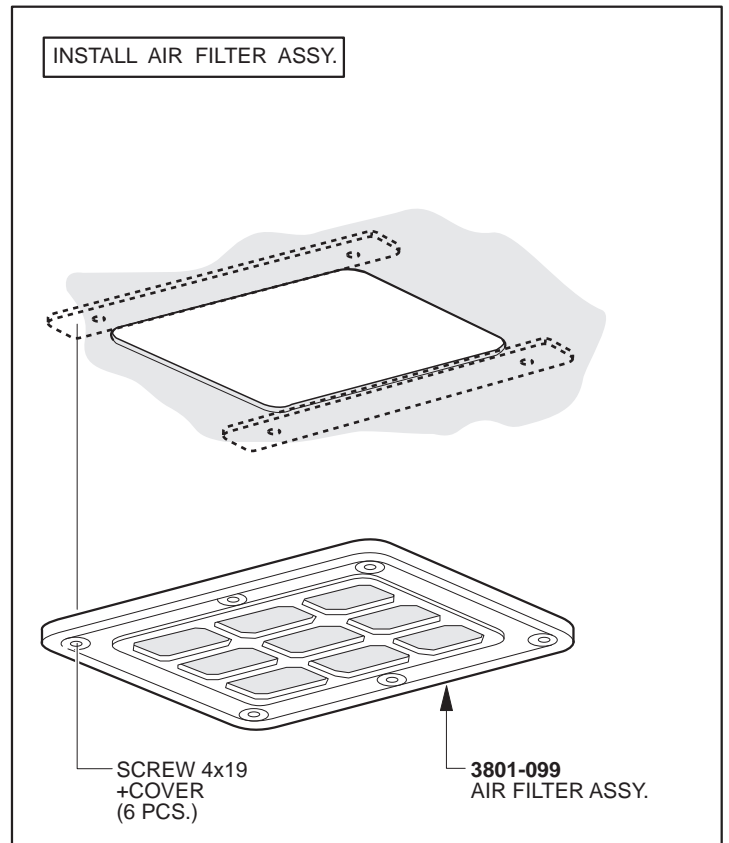
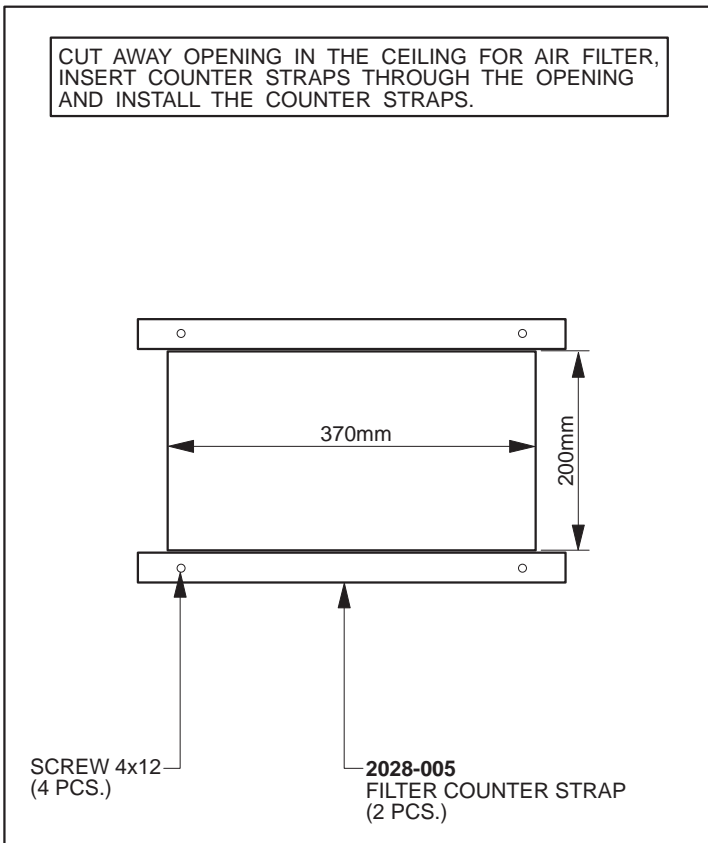
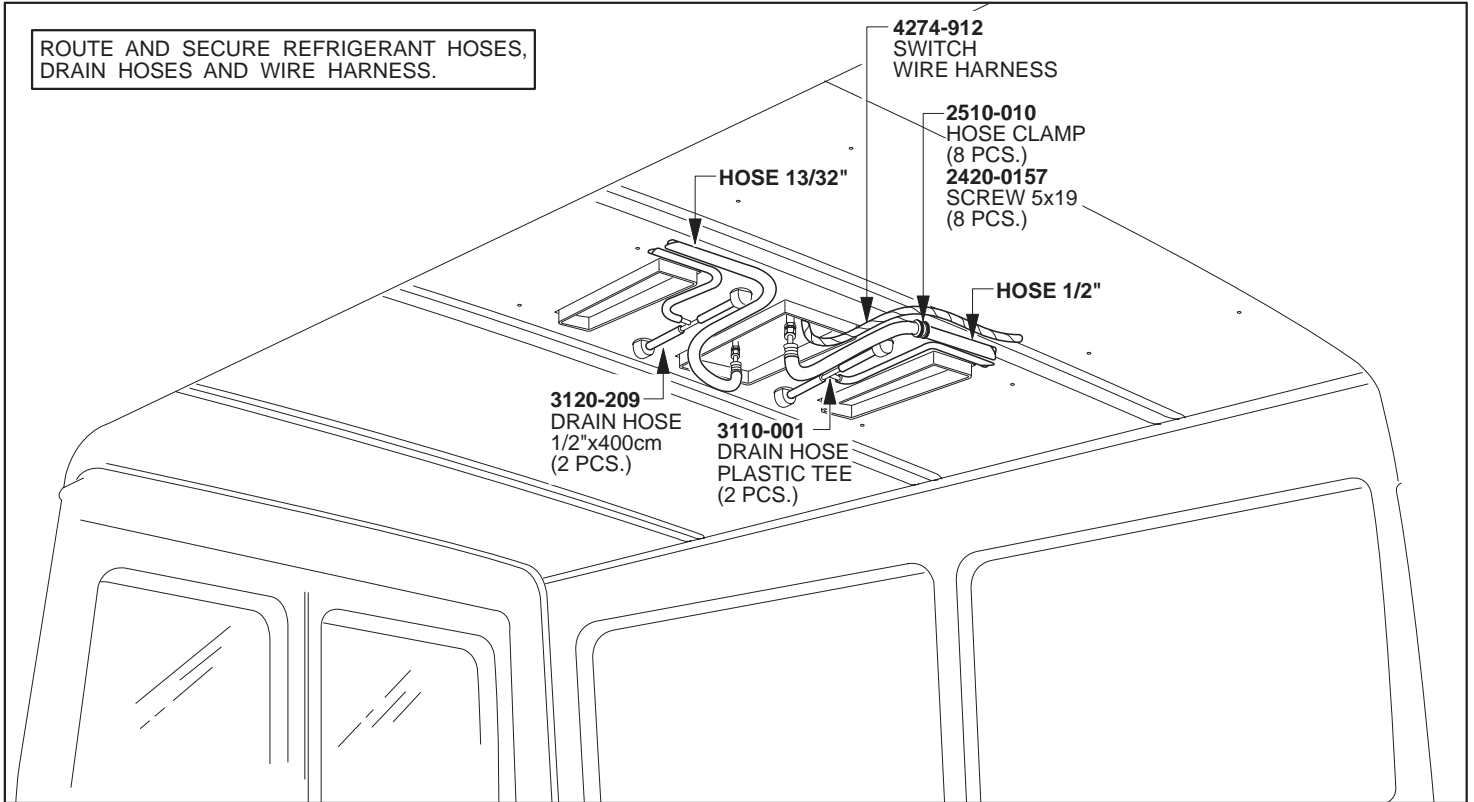
**DETAIL D**



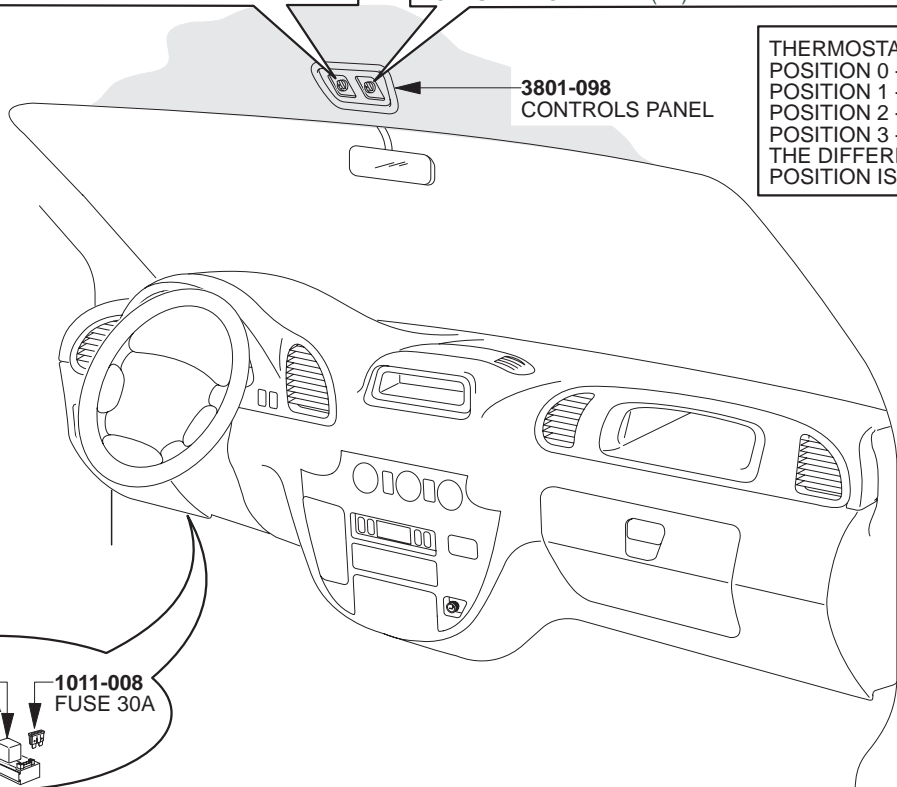
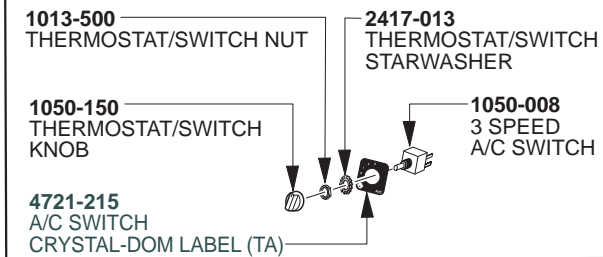
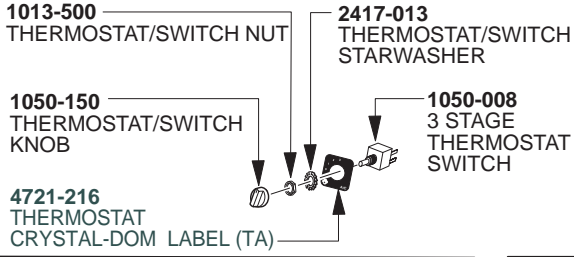
**DETAIL E**



INSTALL AIR INTAKE ADAPTOR AND 2 AIR OUTLET ADAPTORS USING SIKAFLEX .



CONTROLS CAN BE INSTALLED IN THE CEILING USING SUPPLIED PANEL OR IN DASHBOARD WITHOUT THE PANEL.



THERMOSTAT FUNCTION:  
 POSITION 0 - AIR CIRCULATION ONLY.  
 POSITION 1 - COLD AIR.  
 POSITION 2 - COLDER AIR.  
 POSITION 3 - COLDEST AIR.  
 THE DIFFERENCE BETWEEN EACH POSITION IS ABOUT 3° C.

