

BC BRONCOS EVAPERATOR / VENTS

CAUTION

If you are not familiar with the principals of air conditioning, have an authorized air conditioning technician evacuate and charge the system. Serious damage to the ac unit could occur if the system is over filled/under filled with refrigerant or compressor oil.

WARNING

Serious cold injury could occur from compress refrigerant.

1. Set the parking brake or block the wheels for safety.
2. Raise and safely support the hood.
3. Disconnect and remove the battery.
4. Remove the air cleaner to make the installation easier.
5. Remove the serpentine/v-belt.

NOTE

Due to the addition of the ac compressor, a longer serpentine/v-belt will be required.

6. Disconnect and remove the upper and lower radiator hoses from the engine and the radiator. Inspect and replace the hoses as necessary.
7. Remove the fan shroud from the radiator.
8. Remove the bolts attaching the upper radiator supports to the radiator core support and remove upper radiator supports.
9. Carefully lift the radiator off of the lower radiator supports and remove the radiator from the Bronco.
10. Remove the fan shroud.

NOTE

The ac unit will put a load on the engine cooling system. This would be a good opportunity to completely check the system. New hoses, thermostat, water pump, and radiator is recommended.

11. Disconnect the heater control cable from the heater control valve.
12. Disconnect the heater hoses from the water pump and the coolant fitting located on the front of the intake manifold.
13. Disconnect the heater hoses from the heater core inlets located on the passenger side of the fire wall.
14. The heat control knob and cable will not be reused and may be removed from the dash panel.

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15. The defrost control knob and cable will not be reused and may be removed from the dash panel.
16. The fan control switch will not be reused and may be removed from the dash panel.
17. Locate and mount the new ac/heater/defroster controls as desired.
18. Disconnect and remove the flexible fresh air duct from the passenger kick panel and the heater/fresh air box.
19. Remove the 4 nuts on the passenger side fire wall that attached the heater/fresh air box to the fire wall. See Figure 1.
20. Disconnect the defroster ducts from the heater/fresh air box.
21. Disconnect the heater/defrost control cable from the heater/fresh air box.
22. Disconnect the power supply to the heater/fresh air box fan motor.
23. Remove the heater/fresh air box from under the dash.
24. Remove the flexible fresh air duct attaching ring and replace with the provided cover plate using the provided attaching hardware. See Figure 2.
25. Drill the lower front fresh air duct mounting hole using a 5/8" drill to accept the ac condensation hose. See Figure 2.

NOTE

The fresh air ducting is no longer used.
It may be removed for a cleaner installation.

26. Locate and mount the ac unit's controls in the dash holes vacated by the stock Bronco's heater/de-froster/fan/temp controls.
27. Carefully straighten the capillary tube on the ac temperature control switch.

CAUTION

The capillary tube is liquid filed and must not be kinked.
Use care when unrolling.

NOTE

The stock fan knob can be removed and can replace the knobs on the new ac/heater/defroster controls.

28. Locate and mount the dash ac registers.

NOTE

The ac registers may be disassembled and the vent can be mounted directly in the dash panel.

29. Locate the ac unit under the dash and temporarily support it.

NOTE

Measure the flex ducting so there will be approximately 1/4" between the ribs when installed. **DO NOT** stretch the flex ducting too tight.

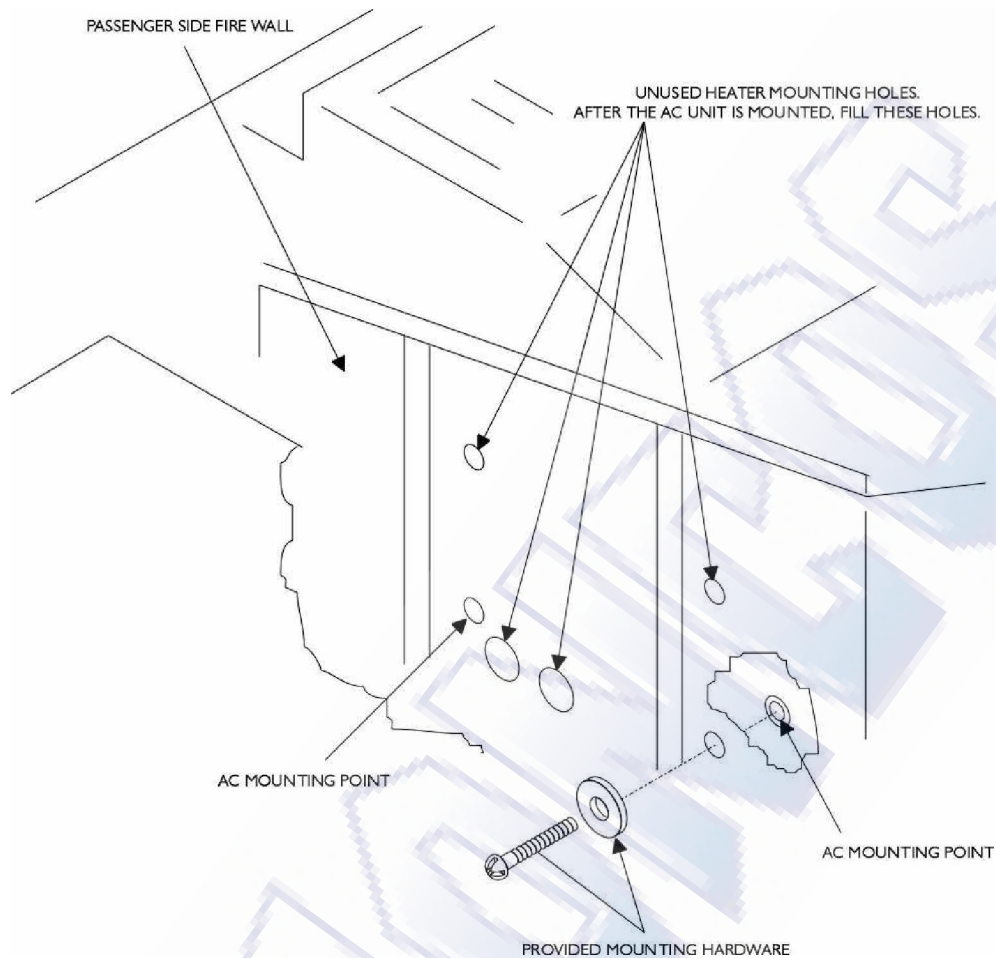


Figure 1. Unmount the stock heater unit.

30. Measure from the driver's (left) de-froster duct and the passenger's (right) de-froster duct to the de-froster outlets (rear two outlets) on the ac unit. Cut the ac flex ducting to length and note the two pieces.
31. Measure from the driver's ac register, center ac register and the passenger's ac register ac to the ac outlets on the ac unit (three forward outlets). Cut the ac flex ducting to length and note the three pieces.
32. Lower the ac unit to connect the flex ducting.
33. Connect the flex ducting to the two rear de-frost outlets on the ac unit and secure it with a supplied zip tie. Reference Figure 3 and Figure 4.
34. Connect the flex ducting to the three front ac outlets and secure it with a supplied zip tie. Reference Figure 3 and Figure 4.
35. Carefully insert the end of the capillary tube into the ac unit at the point noted by the "bull's eye" sticker approximately 4". See Figure 4.

CAUTION

The capillary tube is liquid filed and must not be kinked.

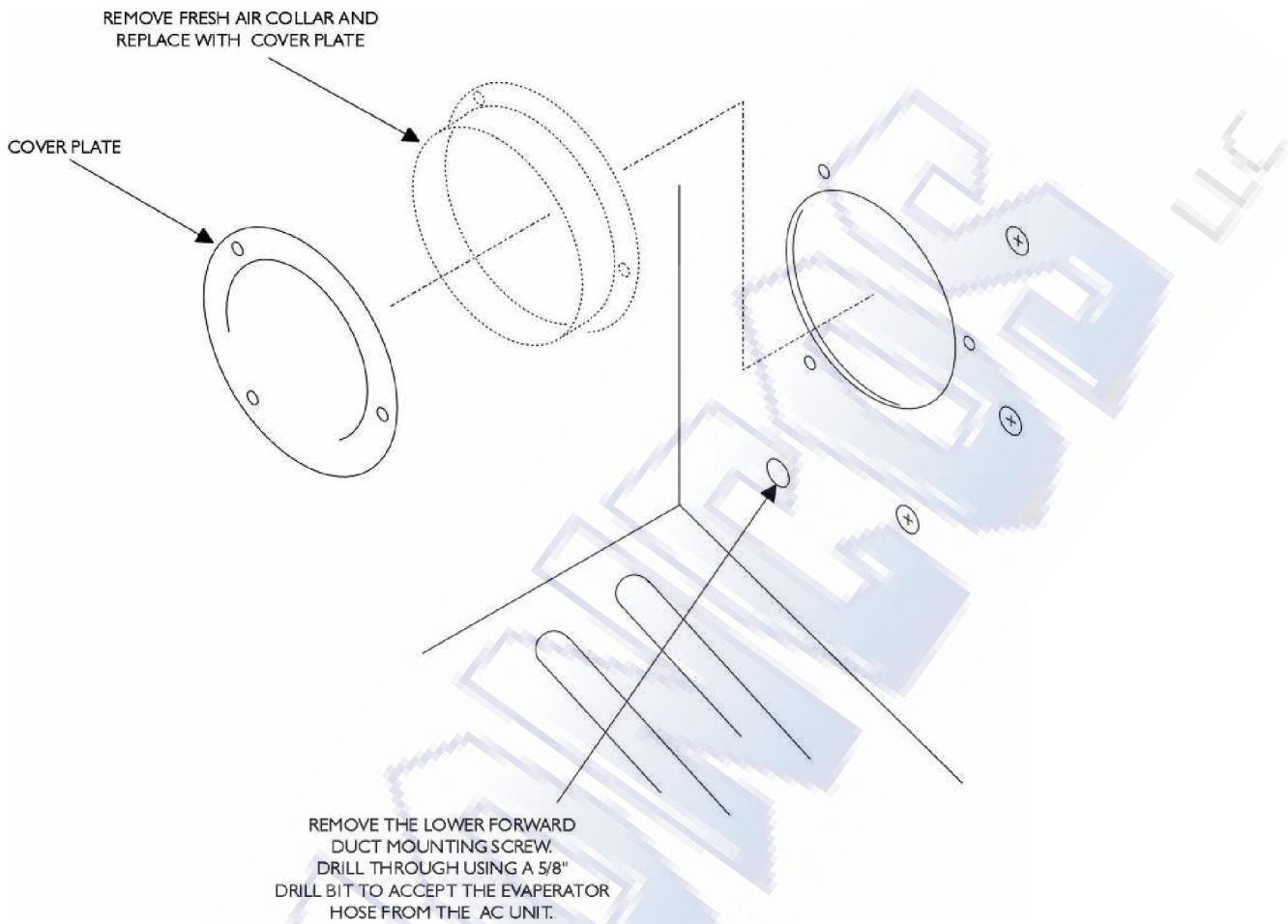


Figure 2. Remove the stock fresh air collar and replace it with the cover plate.

36. Locate the ac unit under the dash. See Figure 1.

TIP

Cut the heads off two 1/4"-20x2" machine screws. Thread the studs into the ac box. The studs now help you locate and hold the ac box on the fire wall. From inside the engine compartment, remove one stud at a time and replace it with the provided mounting hardware.

- 37. Route and attach the two de-froster flex ducts to the de-froster ducts and secure it with a supplied zip tie.
- 38. Route and attach the three ac register flex ducts to the ac registers and secure it with a supplied zip tie.
- 39. Attach the ac condensation hose to the ac unit and insert it into the 5/8" hole referencing Figure 2.
- 40. Using the provided strap, secure the front of the ac unit to the dash board. See Figure 4.

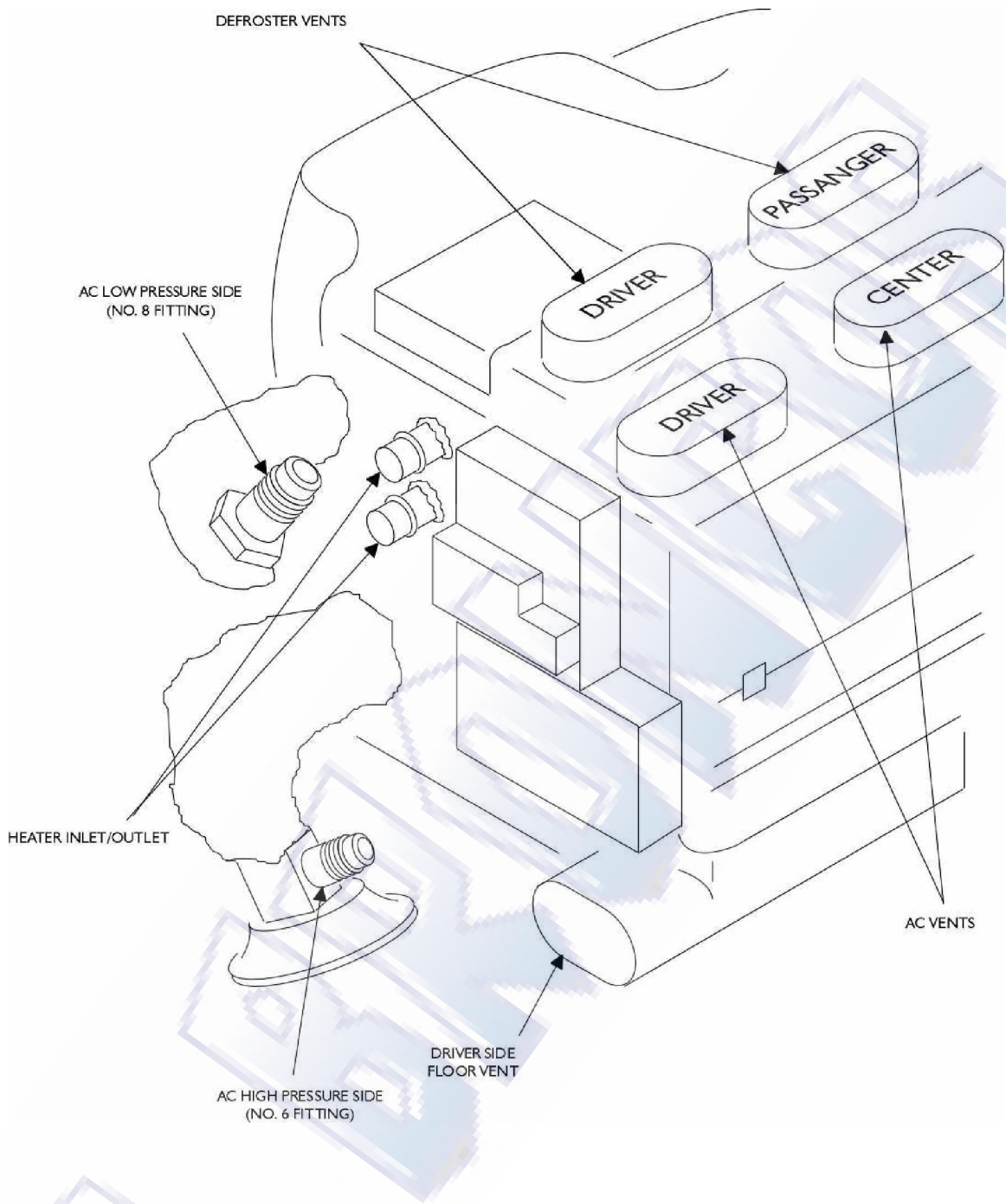


Figure 3. AC unit.

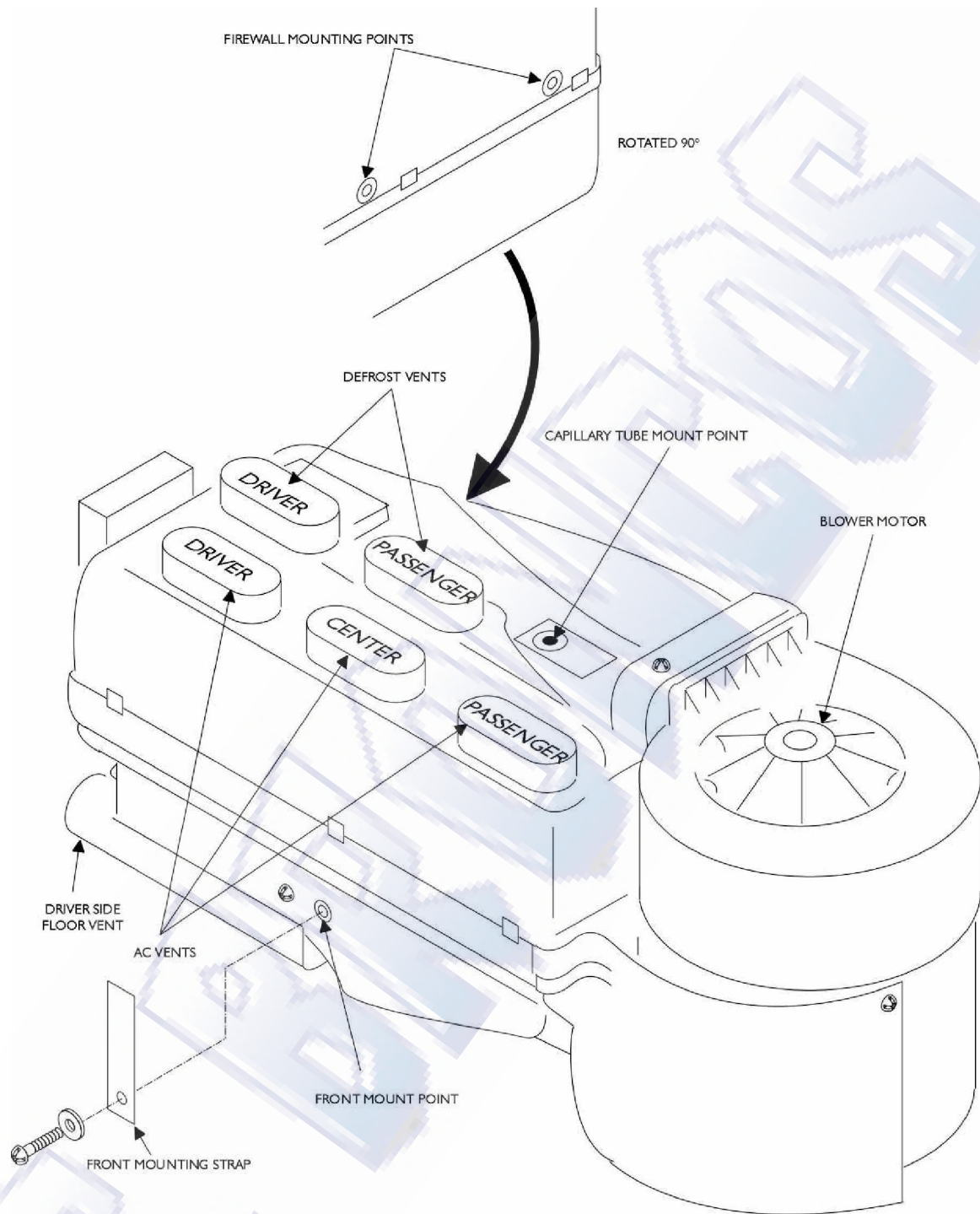


Figure 4. AC unit.

