




Part Number: 13285 Revision: C By/Date: J. INGERSLEV 06/02/16


Document Type (indicate):

- Bill of Material
- Assembly Instructions**
- Drawing (may be attached)
- Operating Procedure
- Specification
- Other

Coupe A/C

SUPPLEMENTAL INSTALLATION INSTRUCTIONS

 This A/C system is designed for a serpentine belt accessory set-up. Not recommended for use with underdrive pulleys.

 134a System.



13265	COUPE A/C SYSTEM	EA	1.00
13273	A/C CONDENSER	EA	1.00
13274	DRIER AND HOSE KIT	EA	1.00
13275	MALE TRINARY SWITCH	EA	1.00
13276	A/C EVAPORATOR	EA	1.00
13277	A/C COMPRESSOR	EA	1.00
13278	DEFROSTER DUCTS	PR	1.00
13279	DASH DUCTS (PACKAGE OF 3)	EA	1.00
13280	DEFROSTER/FOOT DUCT HOSE	EA	1.00
13281	DASH DUCT HOSE	EA	1.00
13282	A/C CONTROL PANEL	EA	1.00
13283	DRAIN KIT	EA	1.00
10973	FLEXIBLE SERRATED POLYETHYLENE GROMMETING	FT	2.00
13267	COUPE A/C INSTRUCTIONS	EA	1.00
13253	302/351 A/C COMPRESSOR MOUNTING BRACKET ASSEMBLY	EA	1.00
13251	FRONT BRACKET	EA	1.00
13252	REAR BRACKET	EA	1.00
13250	COMPRESOR REAR MOUNT SPACER	EA	2.00
13261	COMPRESOR FRONT MOUNT SPACER	EA	2.00
13248	BRACKET SPACER	EA	2.00
13249	HEAD REAR MOUNT SPACER	EA	1.00
13262	HEAD FRONT MOUNT SPACER	EA	1.00
12591	5/16"-18 x 2.75" BOLT, BRACKET TO BRACKET	EA	2.00
11265	5/16" LOCK NUT, BRACKET TO BRACKET	EA	2.00
13264	M8 x 100MM BOLT BOLT, BRACKET TO COMPRESSOR	EA	2.00
11221	LOCK NUT, NYLON, BRACKET TO WATER PUMP	EA	2.00
13270	A/C BRACKET TUBING	EA	1.00
12908	WASHER / BRACKET MOUNT SHIM	EA	4.00
13290	HEAD MOUNT BOLT	EA	1.00
12909	HEAD MOUNT WASHER	EA	1.00



Ratchet

7/16", 1/2", 9/16" sockets

7/8", 1" hole saws

3/16" hex key

Hose crimping tool (some parts stores can do this for you)

Wire cutters

Wire crimpers

Philips head screwdriver

1/8" drill bit

Drill

Tin Snips

134a charge and oil kit

Serpentine Belt

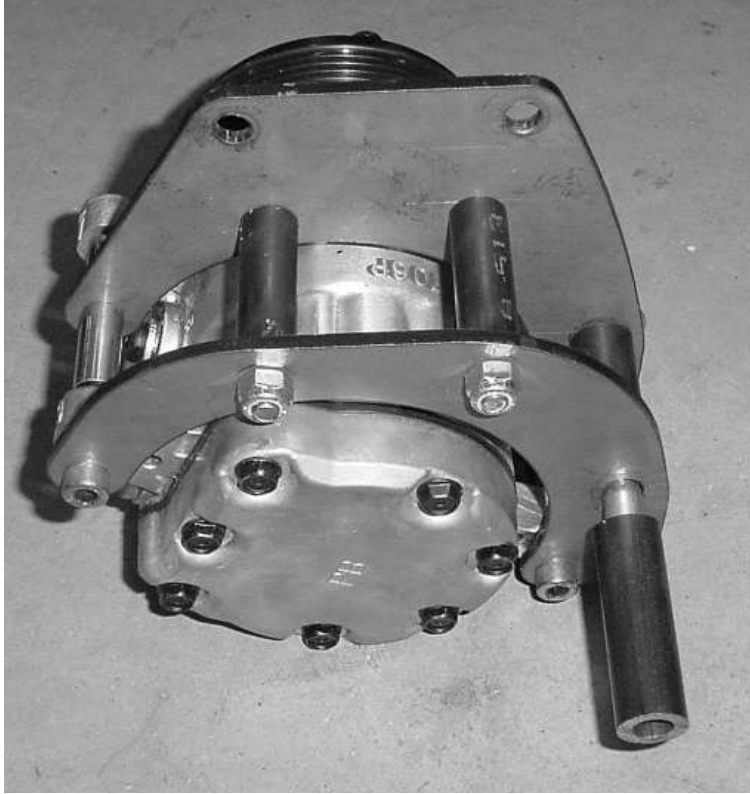
Follow the manufacturers directions on hooking up the various parts of the A/C system.



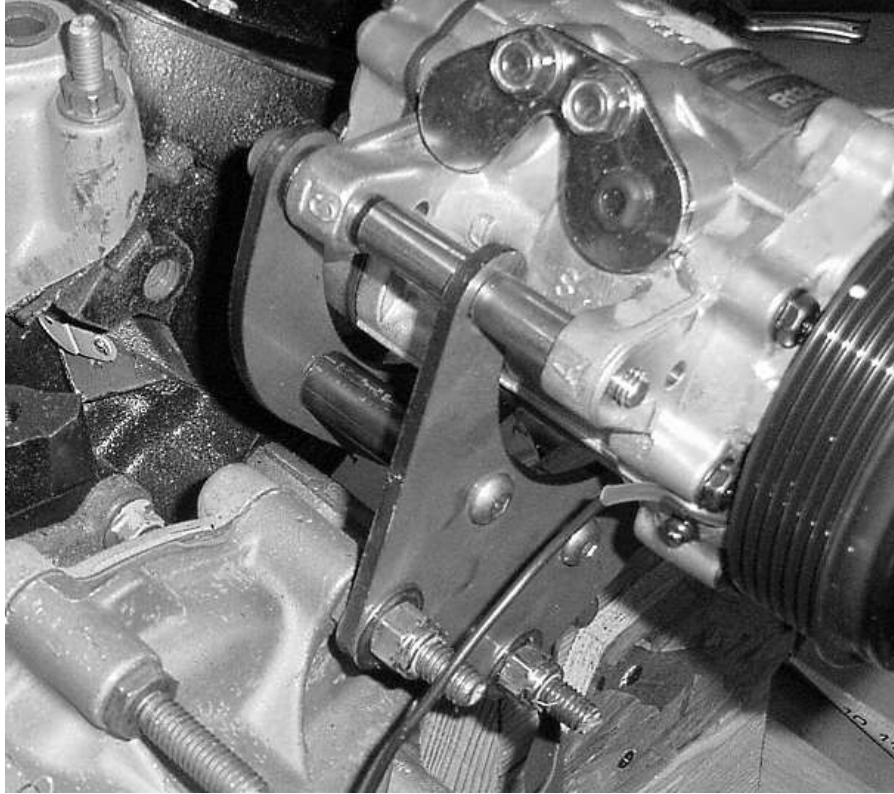
Pull the compressor clutch wire out from behind the clutch on the compressor.



Below are Coupe specific installation pictures.

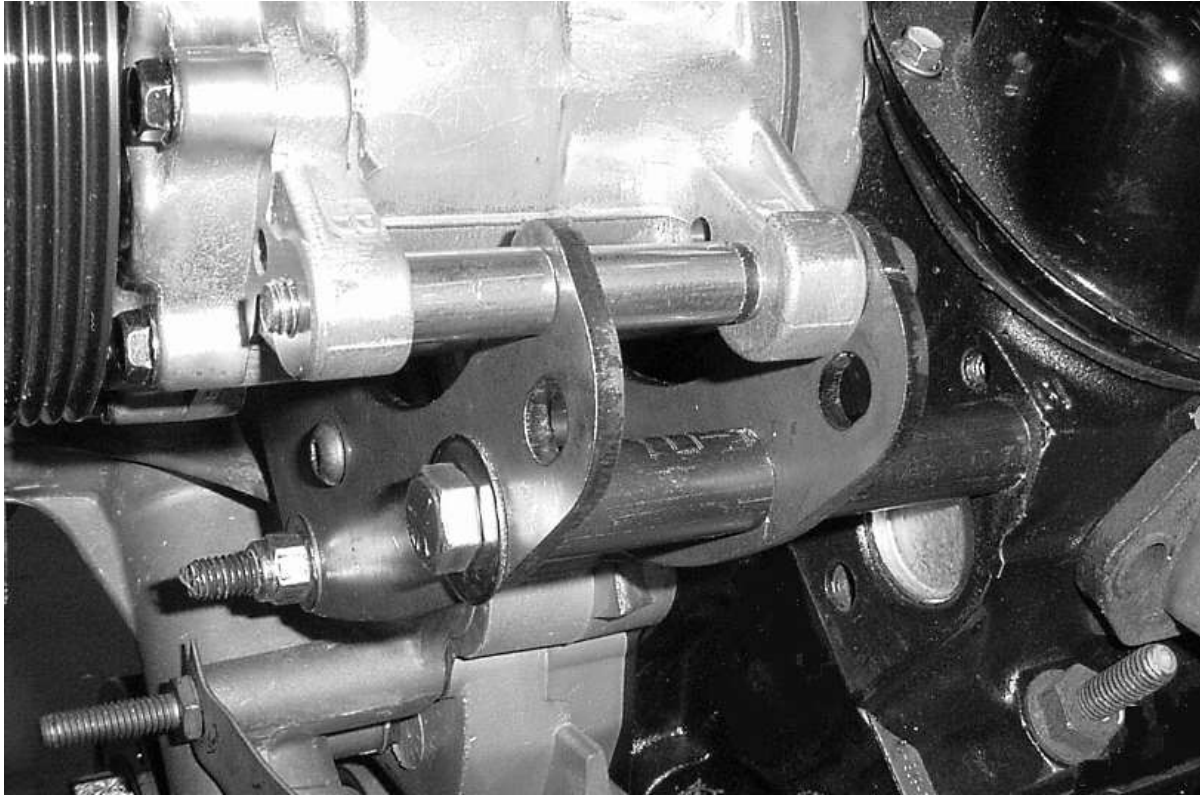


Assemble the compressor brackets, use the $\frac{5}{16}$ " bolts and the narrow 2" spacers to attach to the brackets together. The larger bracket is the front bracket. Do not tighten the locknuts completely until the assembly is attached to the engine.

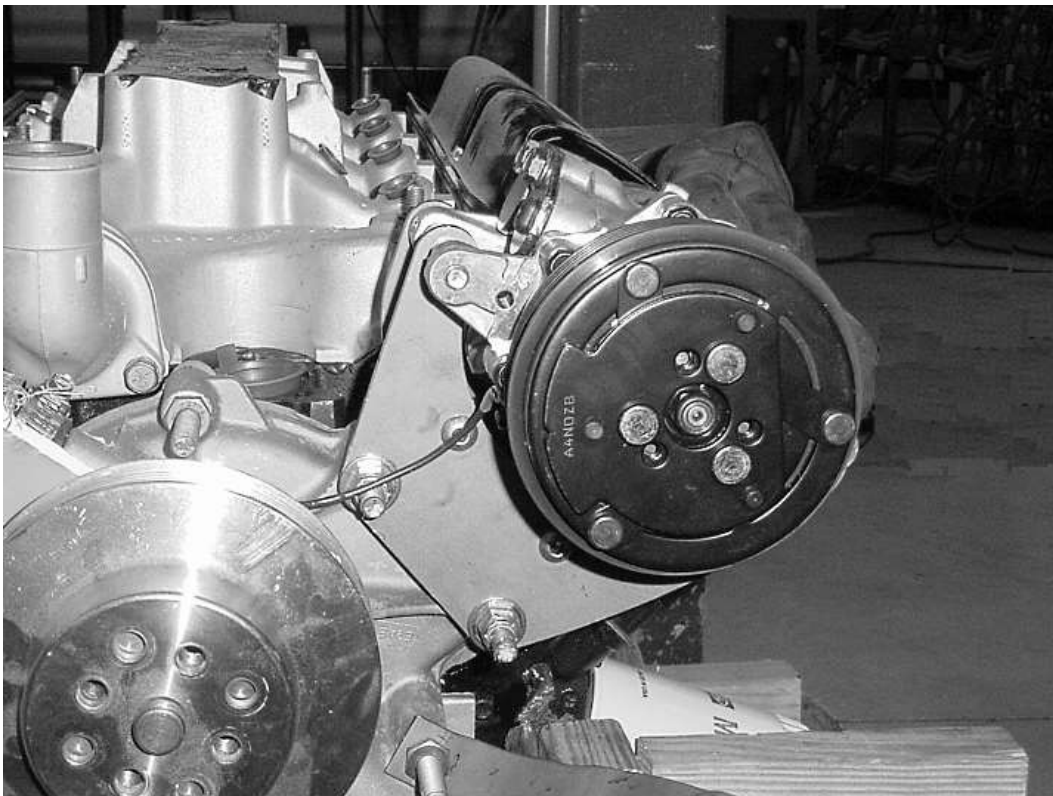


Attach the compressor to the brackets with the inlet/outlet on top, the long bolts go from back to front. The compressor mounts to the front side of both brackets.

The 1.08" spacer goes between the brackets and the 0.9" spacer goes between the front side of the front bracket and the front compressor ear. Put one of the smaller washers on each of the water pump mount bolts and slide the assembly on followed by the remaining small washer and locknut. Do not tighten down all the way.

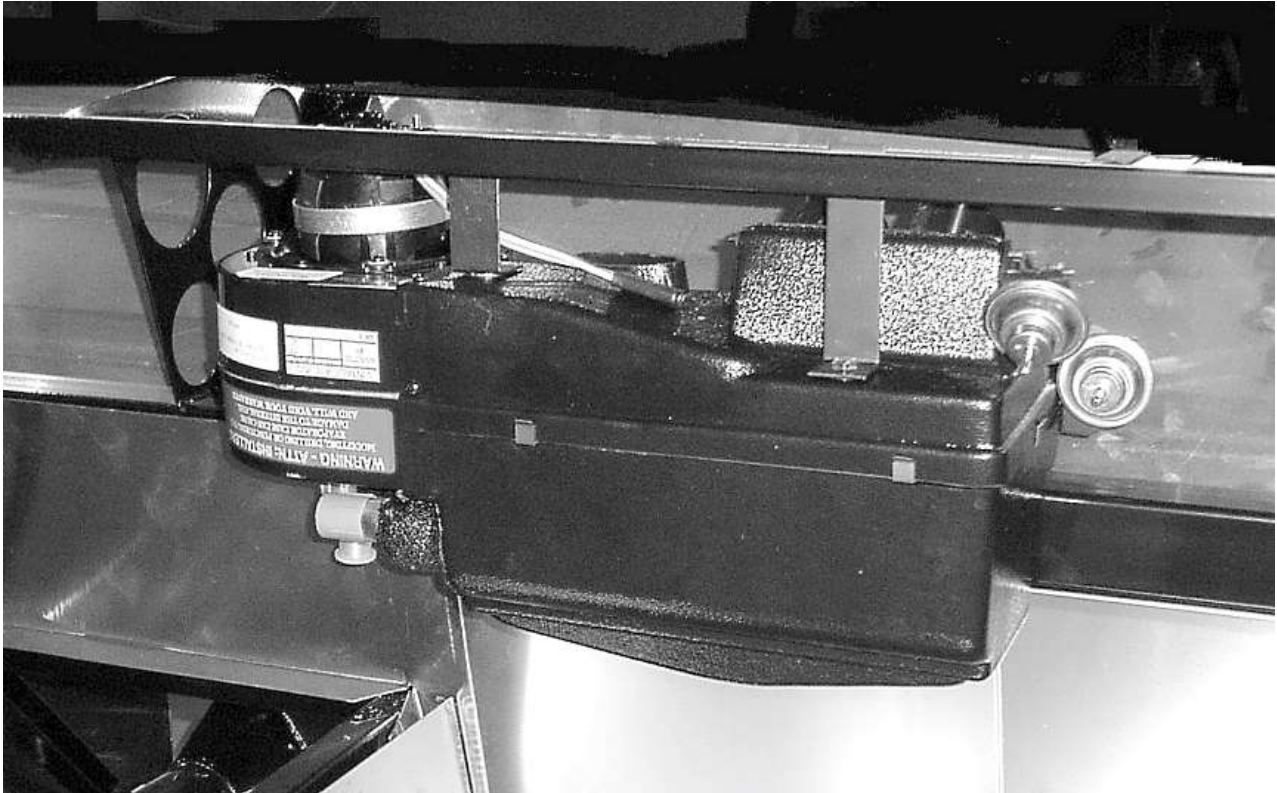


Pass the $\frac{7}{16}$ " bolt through the appropriate slotted hole (upper for 351, lower for 302) with the 2" spacer between the brackets and the other spacer between the bracket and head.

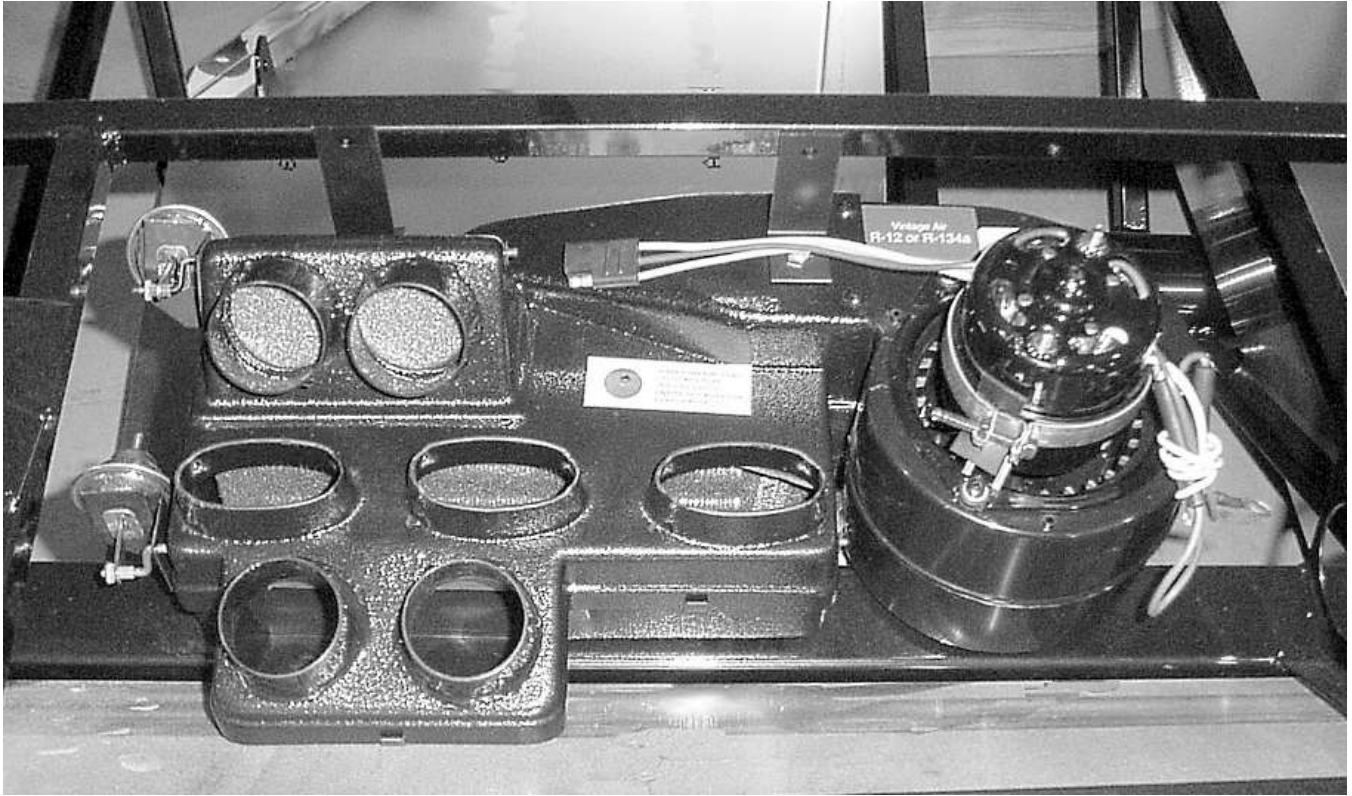


Tighten all of the bolts down, compressor first then the two brackets then the head bolt and then the water pump mount.

Check the alignment of the pulleys. If necessary, move the small washers either all behind or all in front of the water pump mount and add a washer next to the head in order to align the pulleys.



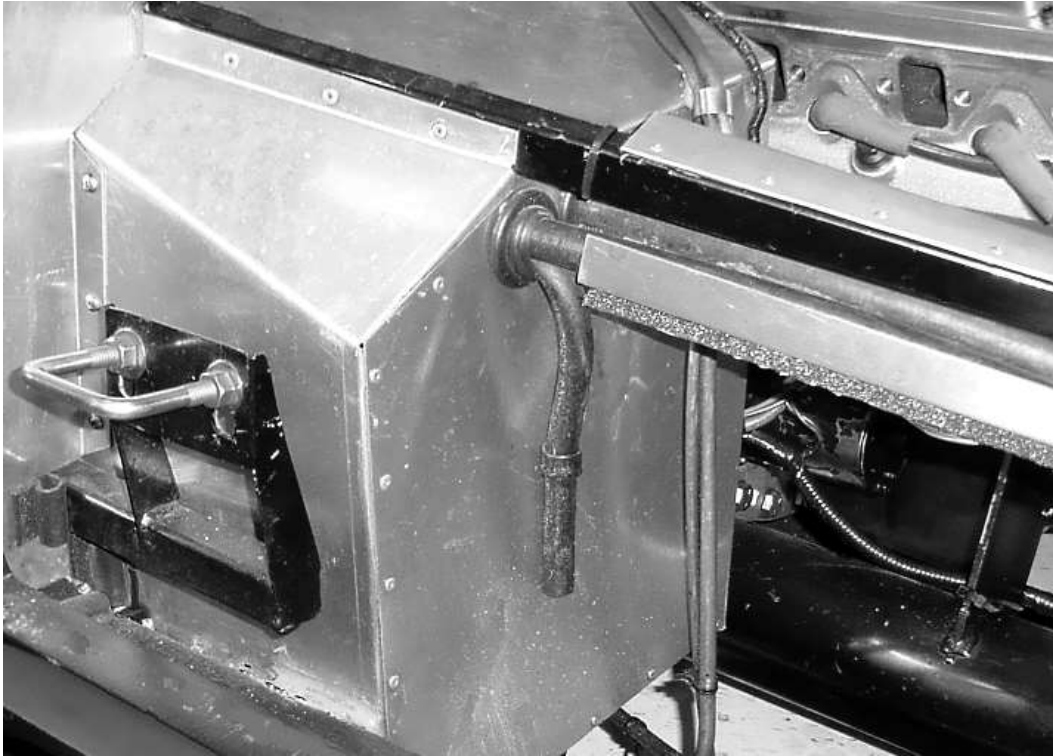
A/C installed on right side of dash area.



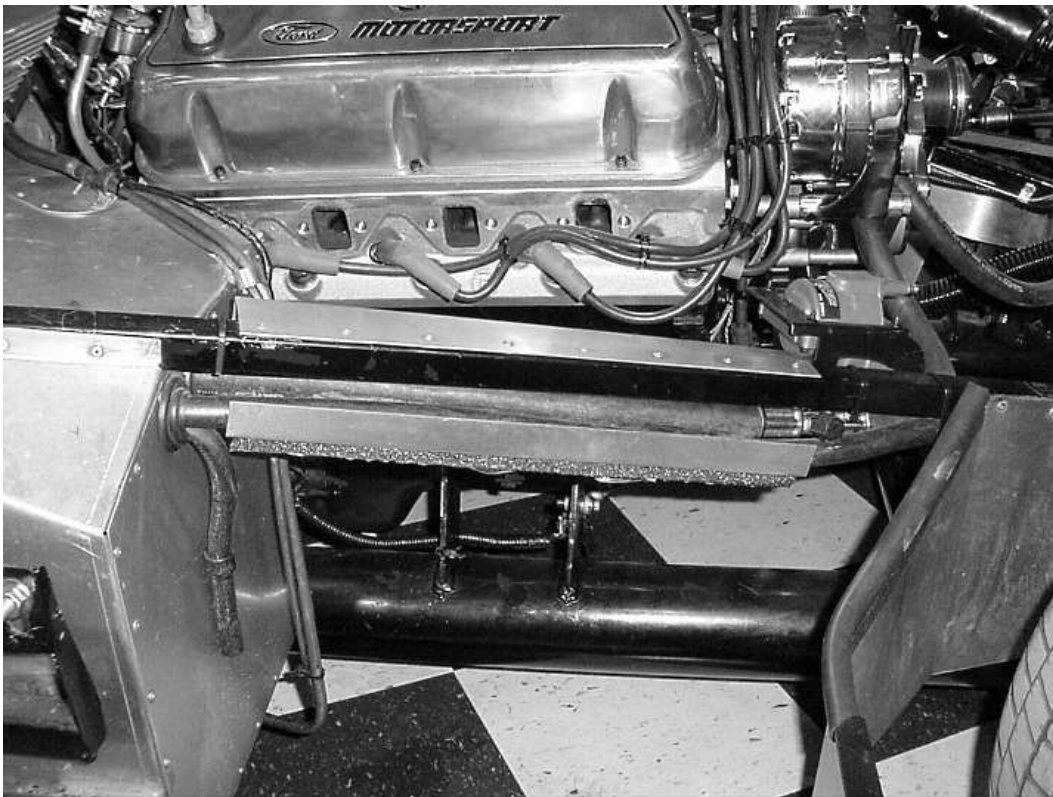
Top view of A/C. Brackets mount to the backside of the dash tube.



Pressure hoses attached to A/C evaporator. Note bottom edge of dash is trimmed for A/C fitment.



Drain hose and high/low pressure lines. The pressure hoses can either be run along the top of the footbox and out the front as shown here or through the switch panel and through the firewall next to the bellhousing.



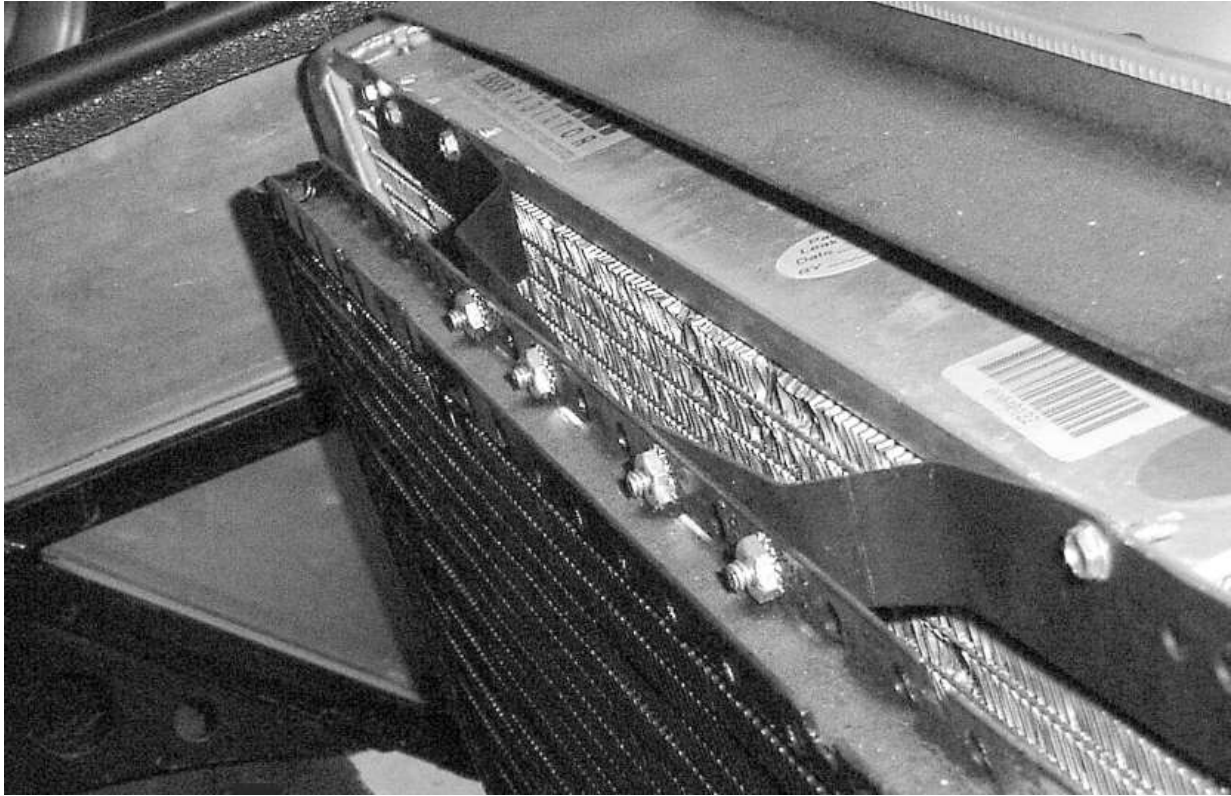
High/low pressure lines with low pressure service port to the right of the heat shield.



Drier mounted to the front suspension "X" with high pressure service port next to it.

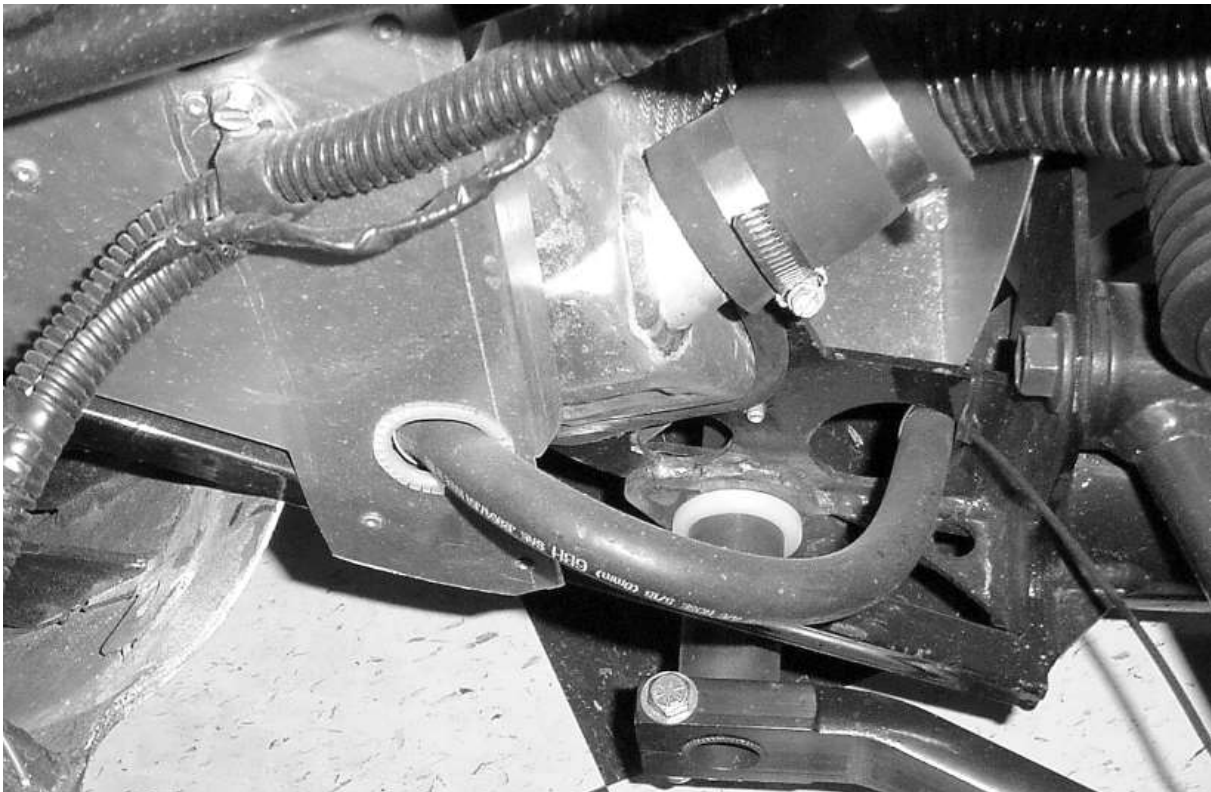


High pressure line going to the condensor through the aluminum.



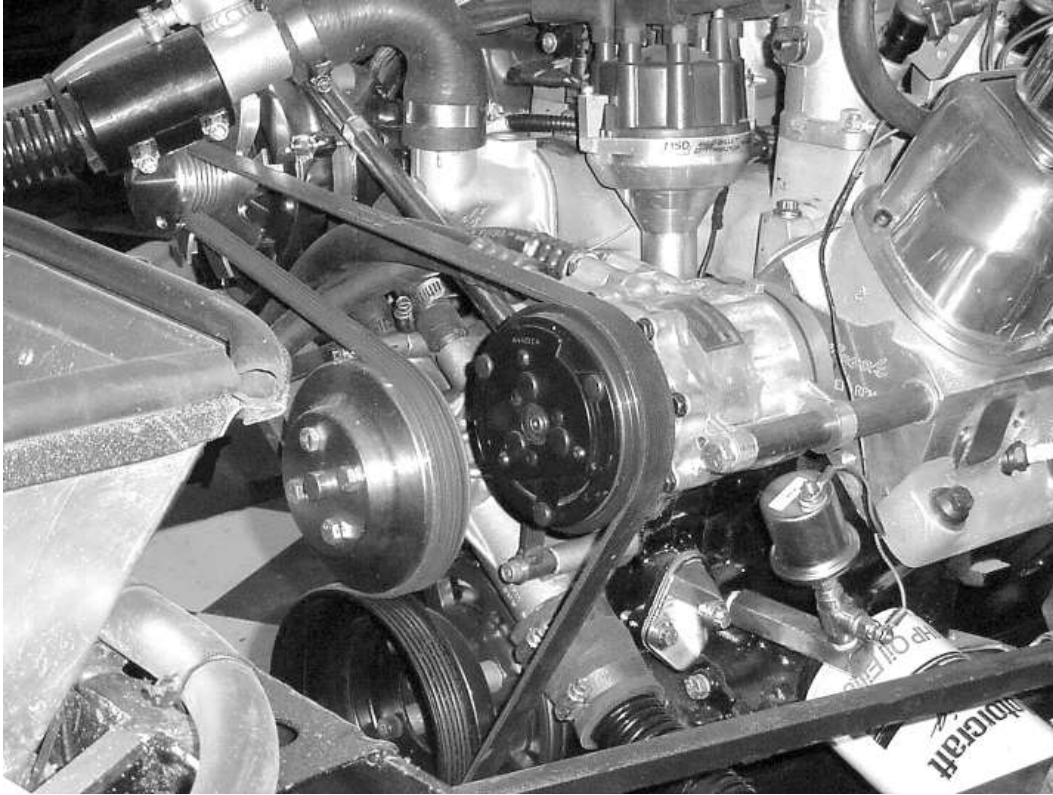
Condenser top mount bracket.

Mount the condenser on the front side of the Radiator. Be careful not to crush the fins.

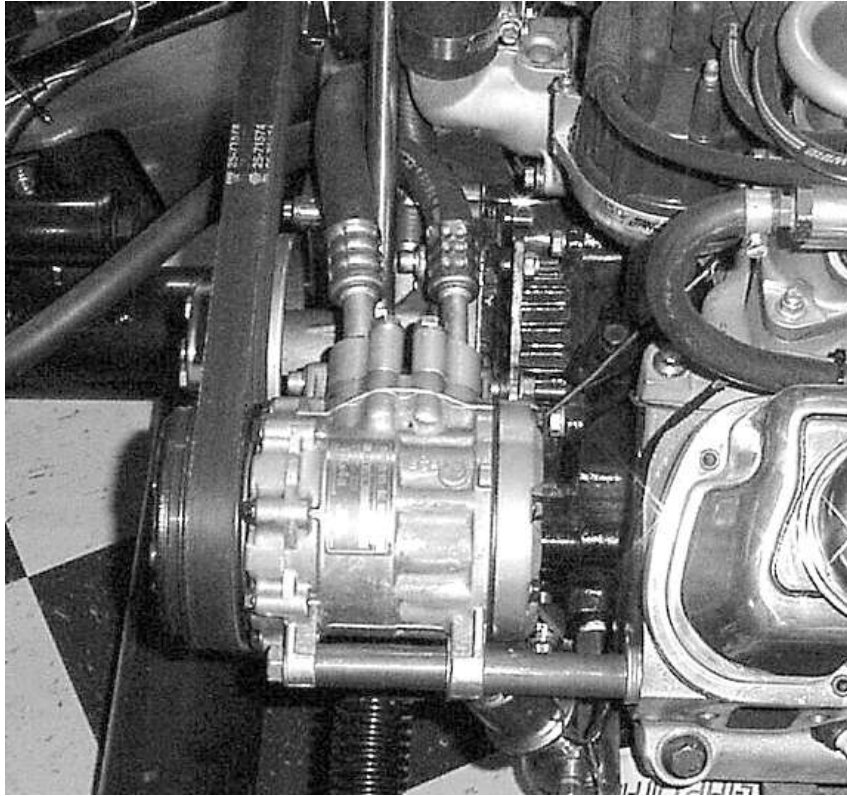


Run the lower condenser hose through the lower radiator mount bracket and up to the Drier.

- ✎ Make sure that the O-rings are on when connecting the hoses. Use the included oil or some Vasoline to lube the O-rings.
- ✎ Make sure the hose connectors to the compressor are bolted down square to prevent leaks.



Run the hoses for the compressor across the top of the engine and over to the 1" square tube.



Compressor fittings.



Mount the ball vents in the dash where desired, above is a picture showing the driver side dash vent.

Run the duct hose through the holes in the windshield center mount for the driver side dash and footbox hoses.

Screw the defroster vent trim screws into the duct so that they make threads in the duct mounting holes. Put a bead of Silicone around the mounting flange on the plastic defroster duct so that it will seal against the dash.

Push the defroster duct up onto the screws so the duct is touching the body.

Carefully tighten the screws until the duct and vent trim are snug and do not move. Do not over tighten and crack the plastic.

Route duct hose up to the defroster ducts and push them onto the plastic defroster ducts.