

# **Section 17**

## **Exhaust System**

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**Procedures covered in this section:**

Apply heat wrap; mount headers to engine.

**Cards used in this section:**

E24 CARD 1F            E24 CARD 3F  
E24 CARD 2F            E24 CARD 4F

**Prints used in this section:**

None

**Templates used in this section:**

None

**Tools required for this section:**

Air or electric drill            Oil can                            Torque wrench  
Files                                Pliers

Drill bit of the following size: 1/16"

Ratchet with socket of the following size: 5/16" (12-point)



Before installing the exhaust pipes and heat shielding, prime the oil pump. Refer to the Engine Manual for the complete procedure.

**Photo #1**

Deburr and inspect the end of the exhaust pipes. File the triangle flanges flat before mounting the headers to the engine.



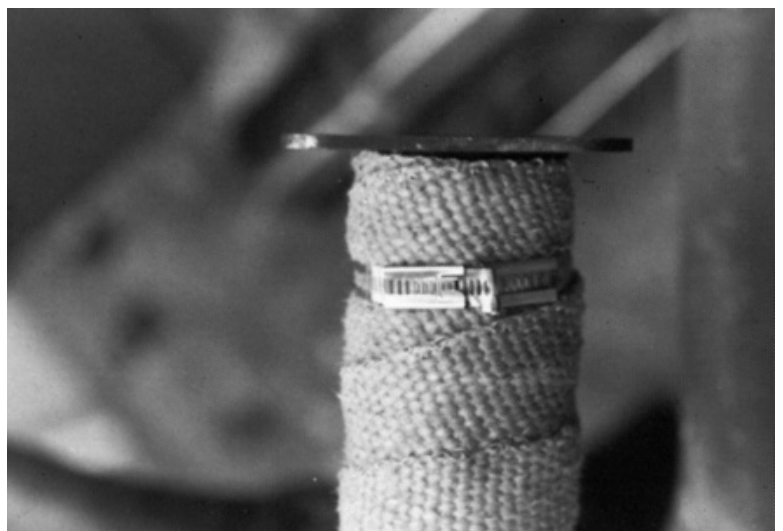
**Photo #2**

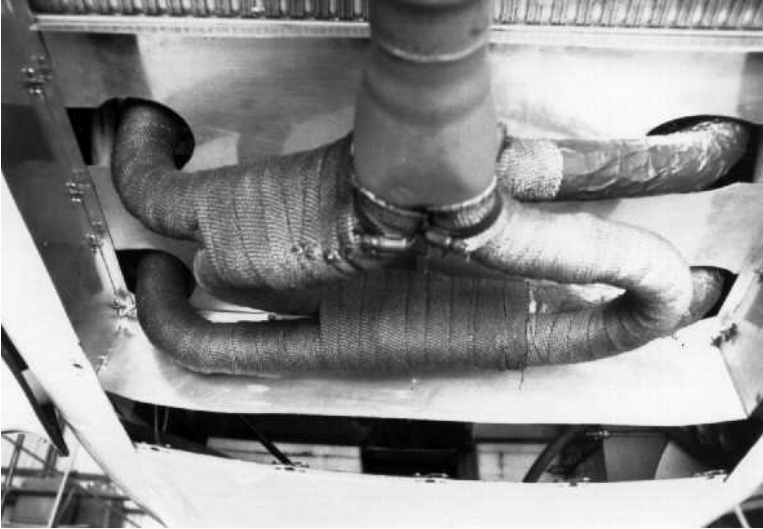
Soak the heat wrap with water. Starting at the bottom, begin wrapping tightly, overlapping 1/2". After reaching the top, go back down using the same technique. This will give a double wrap above the aluminum heat shield. Wherever the pipes are next to each other, wrap them together as shown in photo #4.



**Photo #3**

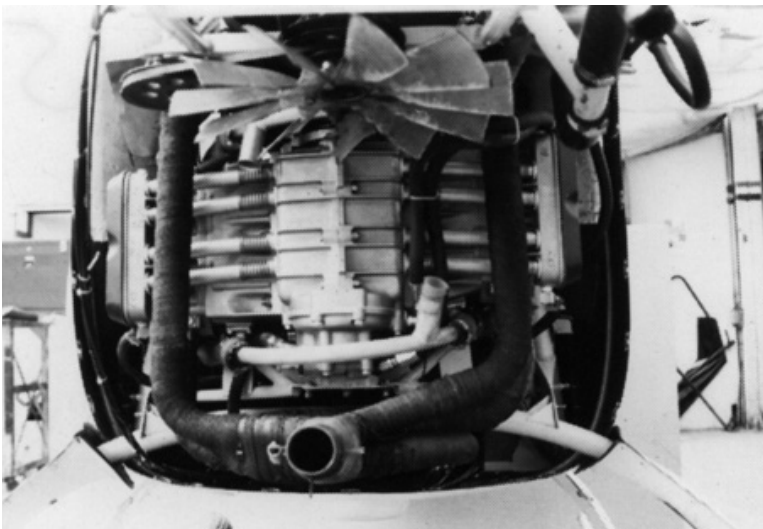
Use the hi-temp tie wraps to clamp the heat wrap in place at each end. Use additional tie wraps where needed.





**Photo #4**

End of the pipes at the collector. After the heat wrap is dry, spray it with the high heat coating paint. Note: The paint is used to seal the fibers of the wrap, to prevent fluids from being absorbed.



**Photo #5**

Attach the exhaust system to the engine as shown, using gaskets at the flanges. Torque bolts to 10 ft.lbs. on final assembly.