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## Fan Shroud Installation

**NOTE: Vintage Air fan shrouds are designed to be custom trimmed to fit your particular application. Fan location often varies due to aftermarket modifications to engine mounts, suspension configuration, etc. The fan opening in this shroud should be cut to match your specific vehicle.**

1. With the radiator installed in the vehicle, and the fan blade and pulley removed, place the fan shroud in the desired location against the radiator. **NOTE: To protect the radiator fins from accidental damage, Vintage Air recommends covering them with a piece of cardboard until the fan shroud is ready to be installed.**
2. To mark the center point of the fan on the fan shroud, hold a straight edge against the water pump flange and the shroud, and mark the shroud at the flange's 12, 3, 6 and 9 o'clock positions as shown in Figure 1, below.
3. Remove the shroud from the vehicle and place it on a workbench. Draw one line from the 12:00 mark to the 6:00 mark, and another from 3:00 to 9:00 as shown in Figure 2, below. The point where the lines intersect will be the fan's center.
4. From the fan's center point, mark the diameter of the fan blade, plus an additional 1" for clearance. Cut the shroud along this line. Use sandpaper or a file to remove any remaining sharp edges.
5. Check for proper alignment of the shroud face with the fan blade. Modify as necessary to ensure there is a minimum 1/2" clearance between the blade and the shroud along the entire circumference.
6. Reinstall the fan blade and pulley.
7. Place the fan shroud on the radiator, and ensure that the fan is installed 1/3 of the way inside the shroud. If the blade is too far away from the shroud, add a fan spacer between the blade and pulley to push the fan into the shroud. If the blade extends too far into the shroud, adjust the depth of the shroud by trimming the side walls of the shroud where they meet the radiator. **NOTE: Improper fan location will result in poor airflow, which will in turn result in higher A/C and engine temperatures. Never install the fan completely inside or outside of the shroud.**
8. With the fan shroud properly cut and trimmed, place the fan shroud brackets at their mounting points on the core support. Place the shroud into position and mark the shroud for the 3/16" holes that will need to be drilled in order to rivet the brackets to the shroud. If the brackets protrude past the shroud face, mark and trim them to fit as shown in Figure 3, below.
9. Once the bracket holes have been drilled on the fan shroud, rivet the brackets to the shroud as shown in Figure 3, below.
10. Remove the protective cardboard from the radiator fins, and install the fan shroud into the vehicle.

