

INSTALLATION INSTRUCTIONS: 3135

Early Bronco Fan Shroud - Explorer Serpentine w/ 1" Body Lift

CONTENTS:

- 1 - Aluminum fan shroud (full circle)
- 2 - 10-24x1/2" SS button head screws
- 2 - 10-24x2 1/2" SS button head screws
- 4 - #10 x 11/16" SS flat washer

TOOLS NEEDED:

- 1/2" Wrench
- Philips Screwdriver
- 5/32" Allen Key
- File
- Deburring Tool
- Saw for Cutting Aluminum
- Ford Fan Clutch Tool - Explorer Only



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IMPORTANT: BEFORE STARTING PLEASE READ INSTRUCTIONS AND IDENTIFY ALL PARTS/HARDWARE ARE PRESENT. THIS FAN SHROUD IS DESIGNED TO MOUNT RADIATORS THAT ARE A DIRECT FIT IN '66-'77 BRONCOS WITH EXPLORER SERPENTINE BELT DRIVE.

This fan shroud requires a 1" body lift it will not fit on a Bronco without it. See below for the shroud template to modify the fan shroud for v-belt setups.

1. Chock wheels and remove the negative battery cable.
2. Remove the 2 screws on the top and 2 on the bottom of the factory shroud.
3. Lift the shroud slightly and push it back toward the engine to gain access to the fan mounting hardware. Make note of any spacers used with your fan and pulley assembly.
4. Remove the 4 bolts from the fan holding it to the water pump (a 1/2" ratchet wrench will make this step easier.) For Explorer front dress use fan clutch tool to remove the fan & clutch assembly.
5. Lift the fan and the old shroud out of the vehicle and place aside for the moment. (you will be reusing the fan if you aren't replacing it.)
6. Now install your 1" body lift if you have not already.
7. At this point you will need to verify if your bronco has a factory V-belt accessory drive or a serpentine belt accessory drive. A V-belt system will normally have a belt for each accessory, one for the alternator and another for the P/S if equipped. These belts also have a cross section that looks like a V. Serpentine belt drives will have a single belt that is smooth on one side with multiple ribs on the other. These systems will usually have one belt that runs all of the accessories on the front of the engine. **(V-Belt drive systems skip to step #15)**

Explorer Serpentine Belt Drive Systems.

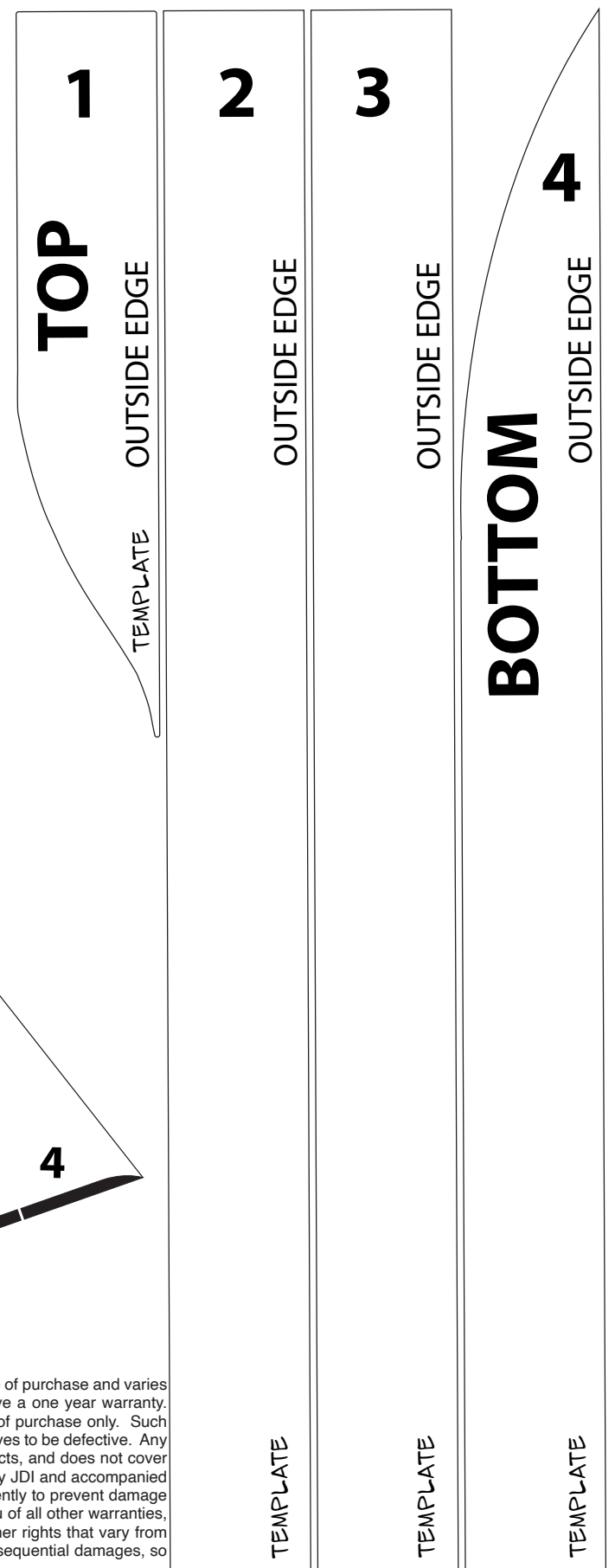
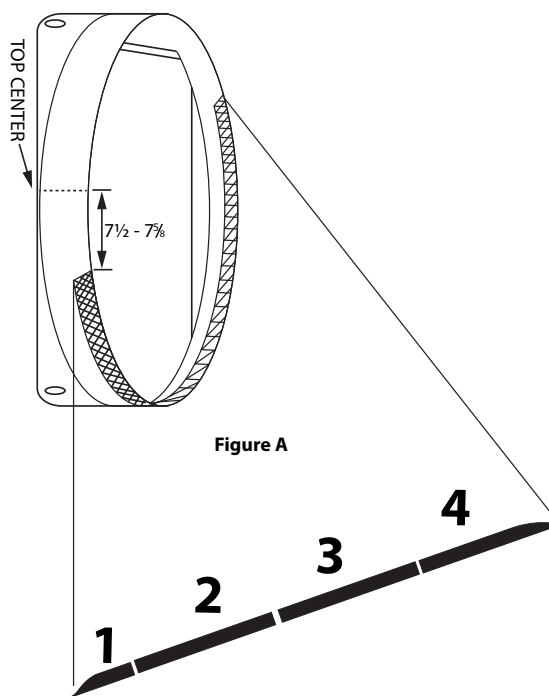
8. No modifications will need to be made to the fan shroud for factory Explorer serpentine drive systems. Other serpentine belt drives may require som modifications to this fan shroud or not work at all.
9. Lower the fan and shroud together between the radiator and water pump pulley. Slide the shroud towards the engine to gain access to the fan mounting hardware. For Explorer thread the fan/clutch back in place & tighten then skip to step 12.
10. Push the fan and any spacers back into place on the water pump and water pump pulley center pin.
11. Reinstall the fan and pulley hardware and tighten to **24-27 ft.lbs.**
12. Bring the fan shroud up to the radiator using the 10-24 screws and #10 washers supplied. Place a washer on each screw and install the screws into the threaded holes on the flange of the radiator. The longer screws are used at the bottom of the shroud and can be a little tricky to install due to them being blind within the shroud.
13. Adjust the shroud so that the fan is centered as much as possible within the shroud and tighten the screws to **22.8 inch pounds**

IMPORTANT: DO NOT OVER TIGHTEN THE HARDWARE

14. Reinstall your negative battery cable, remove the wheel chocks and road test the vehicle listening closely for any new or abnormal noises. There may be instances where the shroud needs to be adjusted further. If the fan is contacting the shroud under heavy load or hard cornering there is a strong possibility of failed motor mounts and or loose core support mounts - Check out our motor mounts - **Part # 3620**

V-Belt Drive Systems:

15. If you are not running power steering and the shroud will fit past your water pump snout you can go back to Step # 8 and continue through step #14.
16. If you are running power steering you will have to make modifications to the fan shroud for clearance of the power steering pump and belt.
17. Using the supplied template. The template is placed at 7 1/2"-7 5/8" from top center moving clockwise from the front of the shroud. As shown in **Figure A**.
18. Mark the shroud and remove the section within the template area then clean up the edge with a file, rotary and deburring tool. (a body saw or nibbler works great for this step). Move back to step #8 and continue through step #14.



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