#59074 Ford 03-07 6.0L Super Duty Diesel Radiator

#59274 Ford 03-07 6.0L Super Duty Diesel Radiator/Fan Combo

#59274 Ford 03-07 6.0L Super Duty Diesel Radiator/Fan Combo Without VSC

(Note: Automatic transmissions may require auxiliary oil cooler part # 41124RC. Vehicle models may vary; review the instructions and components for compatibility with your vehicle prior to installation.)

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Remove Front Shroud Assembly and Radiator

1. Make sure engine is cool.
2. Disconnect negative (-) battery cable from battery.
3. Drain radiator coolant.
4. Undo 4 ea. 5/16” bolts from brackets holding top posts of radiator and remove.
5. Remove 4 tree clips holding plastic panel around hood latch to radiator.
6. Remove tree clips holding positive (+) battery cable to front radiator support.

7. Remove clip straps holding positive (+) battery cable to radiator on both sides. (Fig. 1)
8. Move positive (+) battery cable out of the way of radiator.
9. Remove top radiator and overflow hoses.
10. Below vehicle, disconnect mounting strap tree clip from radiator shroud. (Fig. 2)
11. Remove 2 ea. 5/16” bolts holding top of shroud to top of radiator.

Remove Stock Fan and Rear Shroud Assembly

1. Remove 4 ea. 15MM bolts holding rear shroud to the engine.
2. Pull rear shroud forward to access the nut attaching the clutch fan.
3. Secure the clutch fan pulley with a pry bar and loosen nut with a large adjustable wrench.
4. Remove the rear shroud and clutch fan assembly at the same time from the engine compartment.

Mount and Install Clutch Fan Emulator

1. Mount emulator facing down on bracket #51313 with supplied screws.
2. Bolt bracket to factory mounting location near windshield. (Fig. 3)
3. Plug emulator directly into factory fan clutch socket.

Install New Flex-a-Fit® Radiator

1. Lower radiator into engine bay. Align radiator posts with lower radiator support mounts.
2. Place 2 t-bolts in the second t-channel from the engine. Line t-bolt up with the factory top mounting bracket location.
3. Thread included aluminum posts onto T-Bolts and tighten with a 9/16" wrench.
4. Place 3 t-bolts into topmost t-channel on front of radiator facing grille. Attach top mounting brackets, leaving a 1/8" gap between the radiator tank and the core support.

Fan Wiring Instructions

FOLLOW THESE INSTRUCTIONS CAREFULLY TO AVOID DAMAGING THE CONTROL UNIT, FAN MOTORS AND YOUR VEHICLE! WHEN CRIMPING WIRES, ALWAYS USE A QUALITY CRIMPING TOOL (DO NOT USE PLIERS OR OTHER DEVICES).
Controller Wiring
1. Using the large yellow butt connectors provided, attach a length of the thick (10 AWG) red wire to the orange motor wires at the fan.
2. Attach a length of the thick (10 AWG) black wire to the black motor wires at the fan. Once the fan is in place, these will attach to the control unit.

Connect Power Leads
1. Determine the length needed to run thick red and black wire from the VSC to the battery terminals and trim appropriately.
2. Crimp a large yellow ring connector to one end of each wire and connect the black wire to the negative (-) battery terminal, but DO NOT connect the red wire yet.
3. Using butt connectors, connect the fuse holder provided inline with the red wire.

Ignition-controlled Power Source
1. Locate the fuse box.
2. Find a circuit that is hot when the key is in the ON position.
3. Attach the included fuse tap to the fuse. Attach a female connector to the thin red wire included and connect to the fuse tap.
4. Attach pink female connector to end of the wire and connect to terminal #9 on VSC.
NOTE: DO NOT use the DRL or brake/taillight fuse!

NOTE: On Radiator/Fan Kit #59274 the VSC is pre-wired to the fans for ease of installation. Verify that the pre-wired components are correctly hooked up, then proceed to connect the remaining wires necessary for your install.

Reassemble And Test
1. Insert temp. probe near radiator inlet, leaving 1/4" of the probe sticking out from the core. Be careful not to damage radiator core.
2. Turn Ignition on. If the LED farthest from VSC power wires does not turn on after 6 seconds, check 12V power going to terminal #9.
3. With engine running, turn A/C on. The fan should be running and 3 of the LEDs should be lit. If not, verify A/C clutch is engaged and correct signal wire is triggered.
4. Turn A/C off. Let vehicle warm up to normal operating temperature. Adjust screw terminal clockwise to increase turn-on temperature and counter-clockwise to decrease temperature. NOTE: THE SCREW TERMINAL ONLY ROTATES 3/4 OF A TURN. IF TURNED BEYOND ITS LIMITS THE TERMINAL WILL BREAK!
5. Reassemble vehicle and top off coolant.

What's Next?
Register your product for warranty at http://automotive.flex-a-lite.com/warranty-registration/
Enjoy your Flex-a-lite performance cooling product!
If you need further assistance, please contact tech services at 253-922-2700 M-F 8:00am-5:00pm PST.

The Flex-a-lite Limited Warranty
Flex-a-lite Consolidated, 7213-45th St. Ct. E. Fife, WA 98424, Telephone No. 253-922-2700, warrants to the original purchasing user, that all Flex-a-lite products to be free of defects in material and workmanship for a period of 365 days (1 year) from date of purchase. Flex-a-lite products failing within 365 days (1 year) from date of purchase may be returned to the factory through the point of purchase, transportation charges prepaid. If, on inspection, cause of failure is determined to be defective material or workmanship and not by misuse, accidental or improper installation, Flex-a-lite will replace the fan free of charge, transportation prepaid. Flex-a-lite will not be liable for incidental, progressive or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from state to state. The Flex-a-lite warranty is in compliance with the Magnuson-Moss Warranty Act of 1975.