

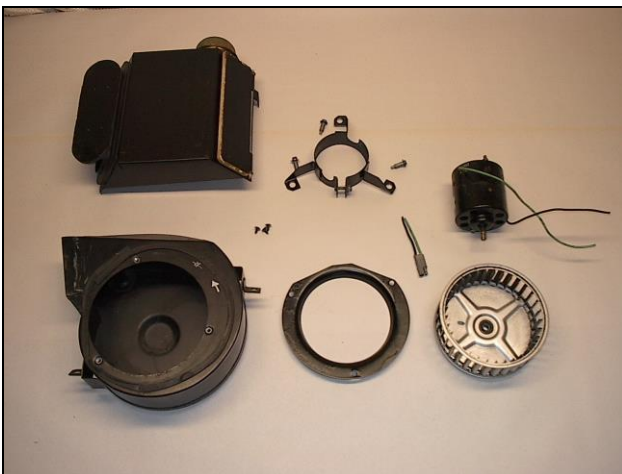
XJ6 S3 BLOWER MOTOR UPGRADE INSTRUCTIONS

1. Use your Factory Repair Manual to remove the blower assembly from the car.



TO DISASSEMBLE THE STOCK BLOWER ASSEMBLY;

2. Remove the three screws holding the vent box to the blower housing. One of the screws requires you to hold open the spring-loaded vent to access the screw. Cut the wires of the stock motor to completely separate the vent box from the blower housing.
3. To aid re-assembly, mark the blower housing and venturi plate, near the clamp tabs, to record their orientation. Undo the three bolts holding the motor mount to the fan housing. Remove the motor, mount, and fan from housing. Discard the old rubber bushings, but save the mounting bolts, washers, and the aluminum tubes.
4. Loosen the clamp and remove motor/fan. Loosen the set screw holding the fan to the motor shaft. If force is needed during removal, use caution to retain trueness.



TO RE-ASSEMBLE THE BLOWER ASSEMBLY WITH UPGRADES;

5. Attach the fan to the shaft of the new motor. Apply a thread locker and tighten the set screw with the motor shaft's end flush with the bottom of the fan (*top in picture*).



6. Stack on the venture plate.

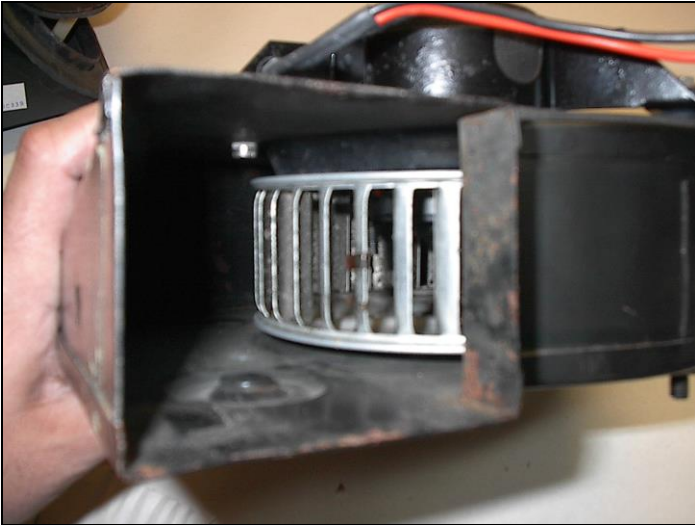
7. Insert motor into the clamp with the wires exiting approx 45 degrees to the right of the clamp tabs. You may have to further open the clamp to accommodate the increased width of new motor. *Do not tighten clamp yet.*

8. Put the new rubber grommets on the three motor mount screws, one on each side of the tabs of the mount, with the aluminum tubes going through the centers.

9. Drop the motor/fan assembly back into the blower housing, using the marks you made earlier to orient the motor clamp. Tighten two of the mounting bolts, leaving the one opposite to the exhaust port loose. This arm should also have the included wire clamp bolted to it. *The motor clamp should still be loose at this point.*



10. Look in through the exhaust port of the blower housing. Adjust the motor, in or out, until the top edge of the fan is level with the bottom edge of the venturi plate. *The motor should be sitting straight in the clamp*, and the top should be near flush with the top of the mount. Spin the fan by hand to make sure the fan isn't rubbing on either the blower housing or the venturi plate. Tighten the clamp holding the motor. Make sure the motor clamp is tight enough so it will not loosen over time and cause fan rubbing.



11. Thread the motor wires through the included wire clamp and tighten the third mount screw, making sure the wires are held away from the fan blades. Spin the fan by hand one more time to check for rubbing. Push wires through the grommet hole in the vent box one at a time. Re-attach the vent box to the blower housing using the three new screws.

12. Refer to Repair Manual to re-install the blower assembly into car. Connect the wires black to black, green to red.

XJ6 S3 BLOWER MOTOR UPGRADE KIT



CONTENTS LIST

- 1- Upgraded motor w/1" shaft length
- 1- Vibration dampening wrap (installed)
- 2- 14 gauge wire connectors, heat shrink
- 6- rubber grommets for motor mount
 - 1- ¼" wire clamp
 - 3- #6 X 3/8" screws