

99-04 Silverado Sierra Electric Fan Harness Installation Instructions



Congratulations on purchase of our Retrofit Electric Fan kit. This kit is designed to fit in the 1999 to 2006 Silverado & Sierra body style trucks and SUVs not originally equipped with OEM engine cooling fans. Installation is easy with a few common tools. *This harness is protected by two manually resettable 40 amp circuit breakers.*

TOOLS REQUIRED: 7mm socket, 10mm socket, 17mm socket, Flat tip screwdriver, 5/16" drill bit (and drill) and a paper clip

INSTALLATION:

1. Disconnect the POSITIVE battery terminal.
2. Using the mounting holes in the relay mounting bar as a template drill two 5/16" holes in the side of your fuse box cover closest to the engine. Make sure to mount it in the location shown in Figure 1 as there is nothing "behind" where you'll need to drill. Do NOT mount relays yet.
3. Remove the ECM cover (see Figures 2a & 2b) and disconnect the two large harness connectors with a 7mm socket.
4. Remove the outer wire covers from each connector (see Figure 3). *NOTE: Connector 1 (C1) will have blue covers and Connector 2 (C2) will have either red or green covers. The pins are numbered on both connectors (see Figure 4)*
5. Set the new fan harness in place. The harness goes straight down the inner fender by the fuse box and then turns and goes under the ECM and along the radiator support.
6. The small GREEN wire from the fan needs to be inserted into PIN 42 on C1 and the small blue wire will need to be inserted into PIN 33 on C2. Using a straightened paperclip push in the small locking tab on each end of the colored cover where you will need to insert these wires (see Figures 5 & 6).
7. Looking into the PIN 42 connector you will see that there is a rubber seal in the hole. Using the straightened paperclip poke a small hole through the center of the seal from the ECM side of the connector towards the outside (see Figure 7).
8. Insert the green wire into the connector and it will lock into place. Replace the colored cover.
9. Depending on your application PIN 33 on C2 may already have a wire in it. If there is a wire there then use the paperclip to gently lift the plastic lock around the terminal and pull the wire out through the connector then simply repeat the processes from Steps 7 and 8 to insert the wire into the connector.
10. Reconnect both ECM connectors and replace the ECM cover.
11. Use the 17mm socket to remove the large nut inside the power block mounted to the side of the alternator bracket (see Figure 8). Connect the 2 red power wires to the stud and replace the nut. You will need to cut a small groove in the base and door of the box to allow you to close the cover once the wires are installed (see Figures 9 and 10).
12. Use the 10 mm socket to remove one of the bolts holding the power block to the alternator bracket (see Figure 11). Insert the bolt through the terminal on the end of the ground wire and re-attach the bolt to the bracket.
13. Plug the harness into the electric fans. Fan 1 is on the driver's side and Fan 2 is on the passenger's side.
14. Use the supplied Push-Lock connectors to mount the relay center to the fuse box housing using the holes drilled in Step 2. Insert the connector into the hole and then push in the center to lock it in place (see Figure 12).
15. Use the supplied cable ties to make sure the harness is secure and routed away from all moving parts or parts that may become excessively hot like the radiator hoses, engine oil cooling lines and transmission cooling lines.
16. Have your local tuner "turn on" your fans in your ECM. If you don't have anyone local you can send us your ECM and we'll turn them on for you. You only pay for the return shipping of the ECM.

JUST CHEVY TRUCKS - FAN HARNESS INSTALLATION DIAGRAMS

FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5

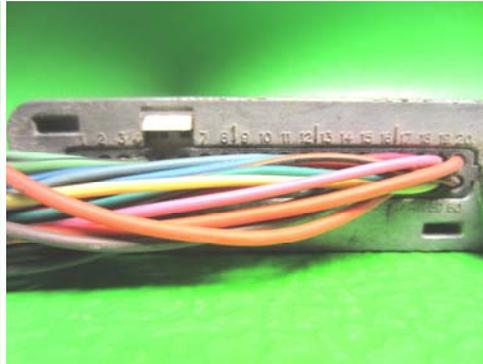


FIGURE 6

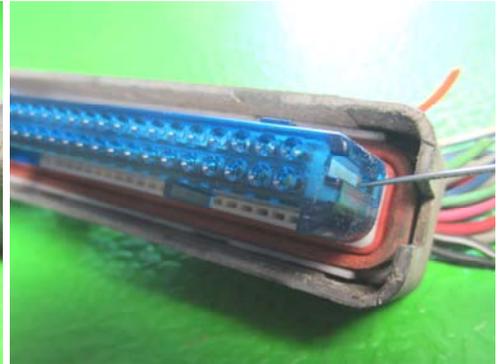


FIGURE 7



FIGURE 8



FIGURE 9



FIGURE 10



FIGURE 11



FIGURE 12

