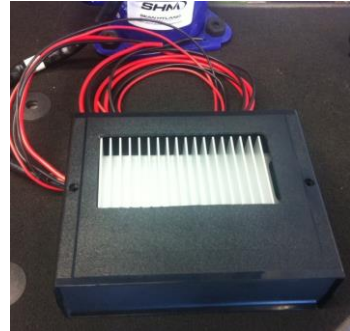


Installation Instructions for 51810 & 51812 Remote Electric A/C Compressor

Installation instructions:

1. Your AC compressor comes with sealed control box which is pre-wired and labelled.

This control box has to be mounted close to electric AC Compressor in a location with constant air flow.



2. Remove the black lid on the top of the electric AC Compressor, which is held by a 10mm nut.



3. Connect the blue wire with the connector to Port A on the AC Compressor.



4. Connect the orange wire with the connector to Port B on the AC Compressor.



5. Connect the yellow wire with the connector to Port C on the AC Compressor.



6. Connect the two black wires to the overload connectors on the top of the AC compressor.



7. Replace the black lid and secure it with the 10mm nut.



8. Find a location of mount the compressor and the control box.

Ideal position would be inside the front fenders or lower sub-frame where there is a constant flow of air.



9. Fabricate the plate to mount the AC Compressor.

The AC Compressor must sit in a vertical position, so that there is enough oil in the sump of the compressor for the centrifugal oil pump to lubricate the internals.

NOTE: AC Compressor comes with oil installed.



10. The electric AC Compressor has -10AN and -8AN fittings ports. -10AN is the suction port and -8AN is the discharge port on the AC Compressor.

Safety switch must be installed on the high side pressure line at a convenient location to prevent any damage to the system due to loss of Freon refrigerant pressure.



11. Connect the -8AN discharge port to the inlet of the condenser on your vehicle.



12. -6AN fitting connect the outlet of the condenser to the inlet of receiver drier and then connect the outlet of receiver drier to inlet of the AC blower.



13. The outlet port of the AC blower connect to the -10AN suction port on the electric AC Compressor.



14. Connect the black wire labelled as "Ground" to a grounding point on your frame.



15. Connect the red wire labelled as "12V Power" to your car battery for constant 12V power supply.



16. The wires labelled as trigger wires are wired according to the electrical set-up your vehicle has.

The trigger wires have to run through safety switch on high side pressure line to prevent any damage to the AC system in case of low or high pressure.

For vehicles with power side switch, follow Step 17 and for vehicles with ground side switch, follow Step 18.



17. For vehicles with power side switch:

- Connect the black wire to grounding point on your vehicle.
- Run the red wire through the safety switch in the AC lines to the AC control switch in your vehicle.



18. For vehicles with ground side switch:

- Run the black wire through the safety switch in AC lines to the AC control switch in your vehicle.
- Connect the red wire to the positive terminal on the battery for constant 12V power supply.



19. Charge the AC system with the R134a Freon up to the correct pressure. JEGS recommends the system to be filled by a qualified A/C service technician.

20. Recheck line routing and the wires before testing the system and check for any leaks.

