

CIRCUIT DIAGRAM

FCC ID. No.: LXLCFVFM5614R

Tach Wire (RPM Monitoring)

The Avistart is designed to monitor the vehicle RPM by connecting directly to the vehicle tachometer wire which is usually located at the distributor, ignition coil or diagnostic plug. On most vehicles, the tach wire is easily accessible. If the tach wire is not accessible, there are several alternative choices. Contact Avial Technical Support Department for alternate choices.

The following procedure for testing the vehicle tach wire is not exact and may vary with different vehicle make, model and year. We recommend that you refer to your Avifax documents for tach color code and location information.

1. Set your voltmeter to the AC voltage scale.
2. Start the vehicle. Use the voltmeter to find a wire that will show 1 to 5 volts AC while the vehicle is idle and increase an additional 1 to 5 volts AC when the engine RPM is raised to 3000-4000 RPM.
3. Connect the WHITE/GREEN wire to the vehicle tach wire.

Hood Switch (Auxiliary)

As a safety precaution, the hood switch prevents the vehicle from starting when the hood is open. If the vehicle is in the remote start mode and the hood is opened, the remote start will immediately shut down. The hood switch will also trigger the alarm when opened.

1. Choose a location under the hood away from direct exposure to water or water drain areas.
2. Check for proper hood clearance.
3. Make sure the hood switch will make contact with a flat surface on the hood when closed.
4. Drill a $\frac{1}{16}$ " mounting hole.
5. Mount the hood switch.
6. Connect the TAN wire to the hood switch.
7. Make sure the hood makes contact with hood switch when closed and presses the hood switch straight down to prevent wear.

Siren

1. Choose a location in the engine compartment away from high heat engine components, moving parts and direct exposure to water.
2. Make sure the siren and siren wires cannot be seen or reached from below the vehicle.
3. Mount the siren with the two self tapping screws to a solid metal surface.
4. Connect the siren BLACK wire to the alarm module VIOLET wire.
5. Connect the siren RED wire to the alarm module RED wire.

Power and Ground Connections



CAUTION: Do not plug in the system fuses until the final step below.

1. Connect the 10 ga RED wire to one end of a supplied 20 amp fuse assembly.
2. If the vehicle parking lights are positive trigger, connect the RED/WHITE wire to one end of the other supplied 20 amp fuse assembly.
3. Connect the BLACK wire to the 10 mm ring terminal.
4. Connect the 10 ga RED wire to one end of both 30-amp fuse assemblies.
5. Connect the other ends of the 10 ga RED and RED/WHITE wires to the other ends of the 10 mm ring terminal.
6. Connect the other end of the 10 ga RED wire fuse assembly to a clean 10 mm ring terminal.
7. Remove the (+) and (-) battery bolts. Do not disconnect the battery cables.
8. Connect the empty fuse assemblies to the (+) battery terminal.
9. Connect the BLACK wire to the (-) battery terminal.
10. Inspect all wiring. Make sure all wires are connected correctly.
11. Install the 5 amp fuse in the 18 ga RED wire fuse assembly.
12. Install the 20 amp fuse in the RED/WHITE wire fuse assembly.
13. Install the two 20 amp fuses in the 10 ga RED wire fuse assembly.

