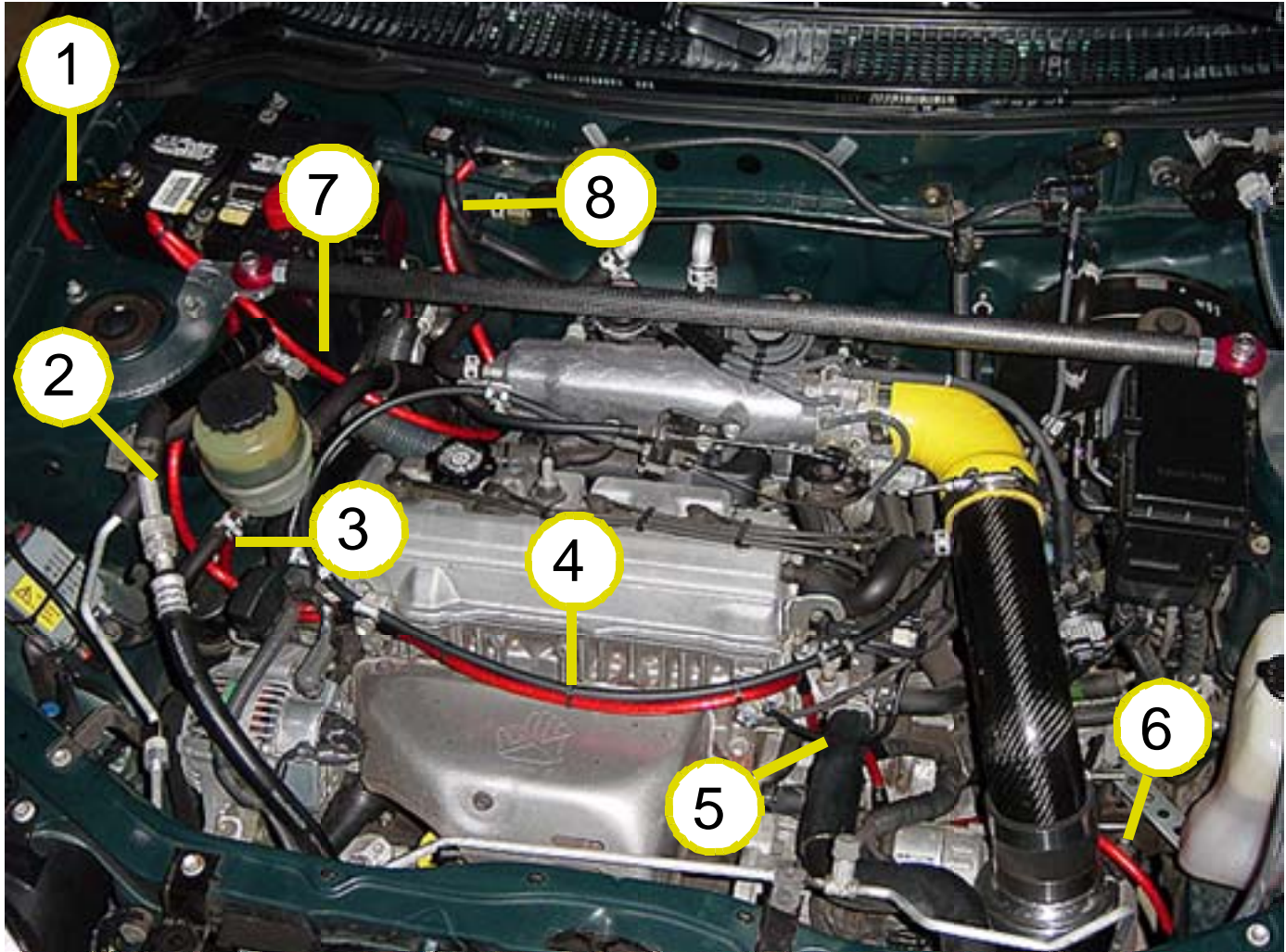


Where to Install

I have taken rough measurements for you of what wires are needed and where they go. Depending upon what country your RAV is located and what its configuration is, it is difficult to say if the lengths of the wires that I provide below will fit your particular RAV. Please use a tape measure to check the lengths of your own ground wires. Depending upon what path you decide the wires will travel, you will get varying measurements. This is what I have on my 1998 RAV4 (U.S. model) with automatic transmission.



- 1) Negative battery terminal > Chassis ground = 9 inches
- 2) Negative battery terminal > Left engine hook = 24 inches
- 3) Left engine hook > Chassis ground (located under power steering reservoir) = 10 inches
- 4) Left engine hook > Right engine hook = 17 inches (attach to throttle cable)
- 5) Right engine hook > Automatic transmission block = 9 inches
- 6) Transmission block > Right chassis ground (located under OEM air box) = 13 inches
- 7) Negative battery terminal > Intake manifold = 19 inches
- 8) Intake manifold > Firewall ground = 11 inches

Close up pictures of above grounding points:

1) Negative battery terminal > Chassis ground (replaces OEM ground wire)



2) Negative battery terminal > Left engine hook



The grounding wire from the negative battery terminal will end up on the top bolt that holds the throttle cable bracket in place.

3) Left engine hook > Chassis ground (under power steering reservoir, and replaces OEM ground wire)



4) Left engine hook > Right engine hook (attaches to throttle cable)



5) Right engine hook > Transmission block (Auto. Trans.)



6) Transmission block > Right chassis ground (replaces OEM ground wire)
This grounding point is located under the OEM air box assembly.



7) Negative battery terminal > Intake manifold



8) Intake manifold > Firewall ground (replaces OEM ground wire)



That's it! Good luck on your custom ground wire install!