



6V VW Type 2 Bus (W487) Customer Service Guide



Customer Service Guide



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CAUTION :

Disconnect the battery before checking
and/or replacing processes

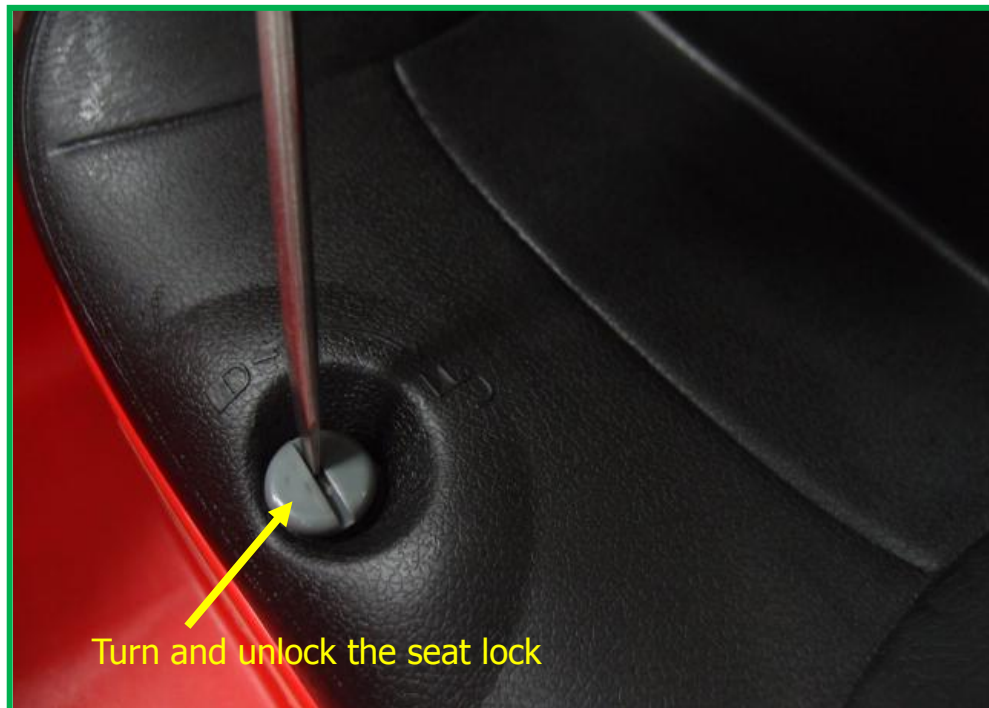
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I) Battery Troubleshooting

Operation: Use a flat head screwdriver, then unlock and remove the seat. Locate the battery harness, unplug the connector then use a volt-meter to check the red connector on the battery.

Step (1)



Step (2)

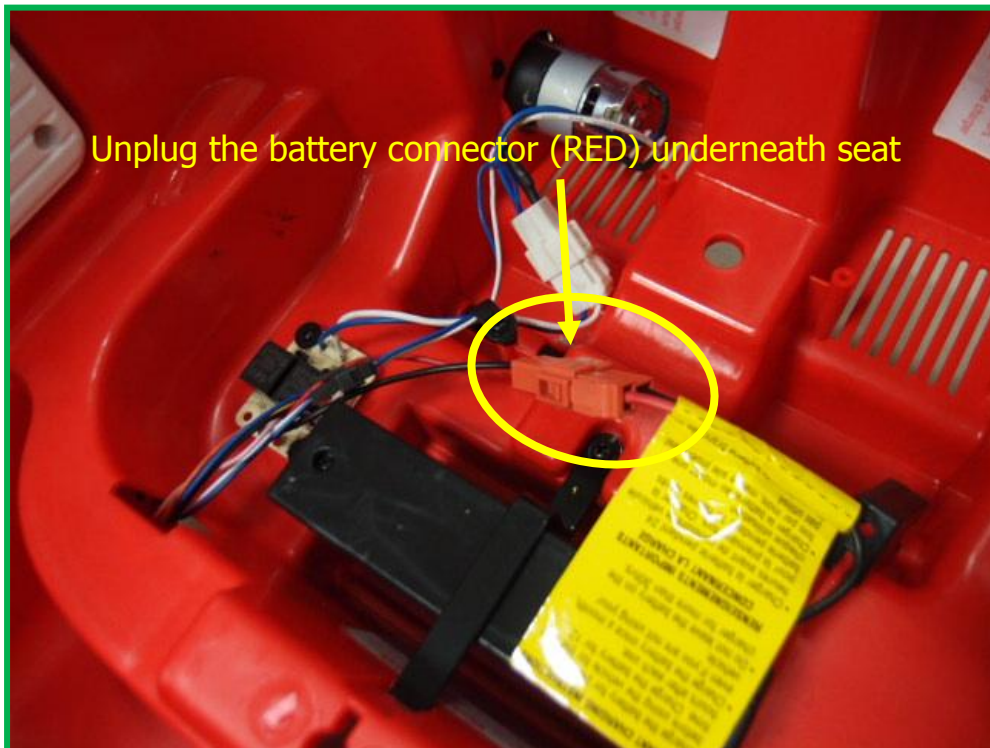


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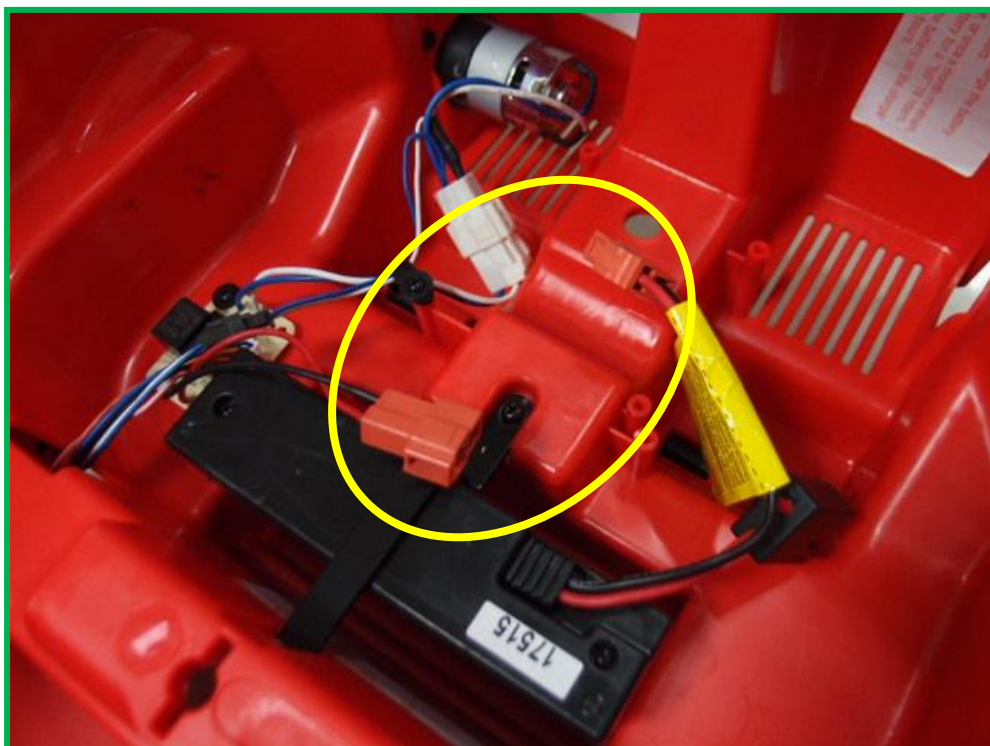


I) Battery Troubleshooting

Step (3)



Step (4)



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I) Battery Troubleshooting

Step
(5)



Volt Meter Reads: 6.0 V ~ 6.6 V – Good condition

5.6 V ~ 5.9 V – Recharge the battery

5.5 V – Recharge the battery. If after the stipulated recharging time voltage has not increased, then the battery needs to be replaced.

Below 5.5 V – Battery needs to be replaced

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II) Check Wiring Connection: Gearbox Troubleshooting

Operation: There are three positions where wiring connections should be checked.

- A. Motor/Gearbox : Follow above steps to remove the seat, then locate the gearbox harness underneath. Disconnect the white connectors, blow air into the connectors, then firmly reconnect them to ensure a complete connection.



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II) Check Wiring Connection: Steering Wheel/Sound Troubleshooting

B. Steering Wheel : Access the steering wheel connector per below procedures.

Step (1)



Step (2)



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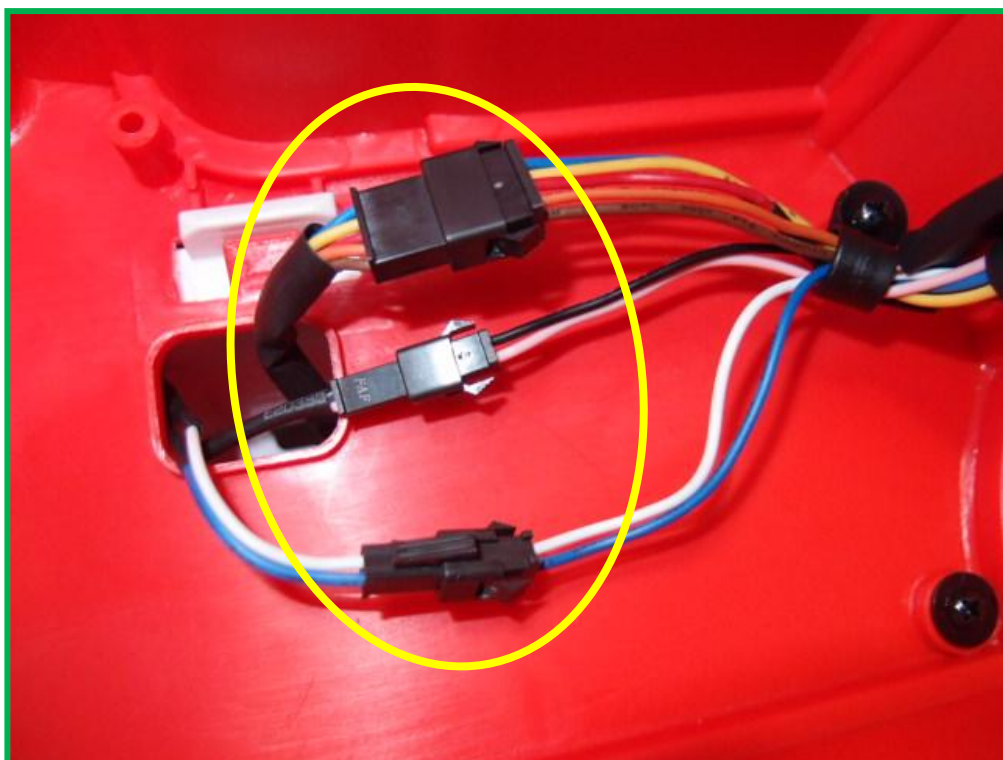
II) Check Wiring Connection: Dashboard Troubleshooting

C. Dashboard : Access the connectors of the dashboard underneath the vehicle.

Step (3)



Step (4)



Check any loose connections of these three plugs

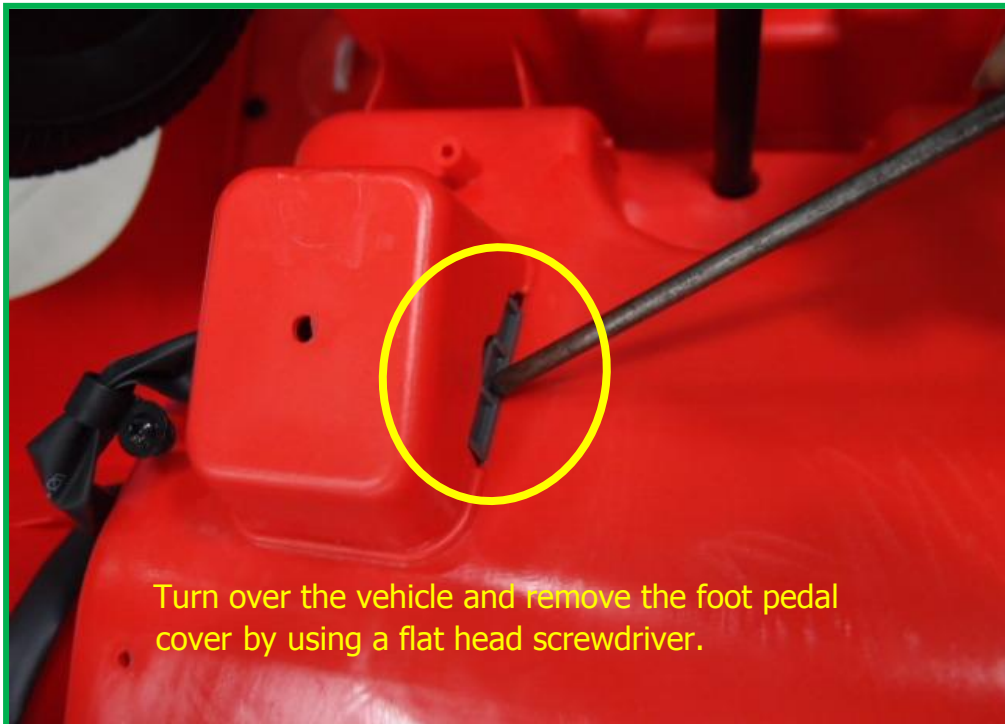
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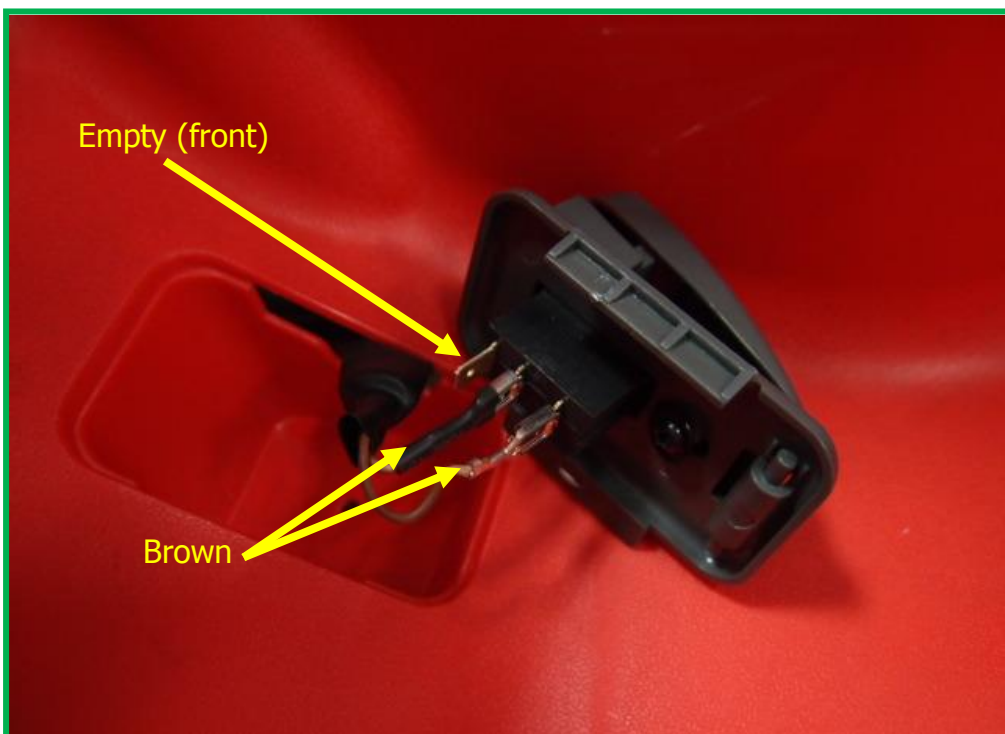
III) Check Foot Pedal

Operation: Follow below procedures to check the foot pedal connection.

Step (1)



Step (2)



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III) Check Foot Pedal

Step
(3)



Slide in the foot pedal into chassis from right side

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IV) Gearbox Replacement

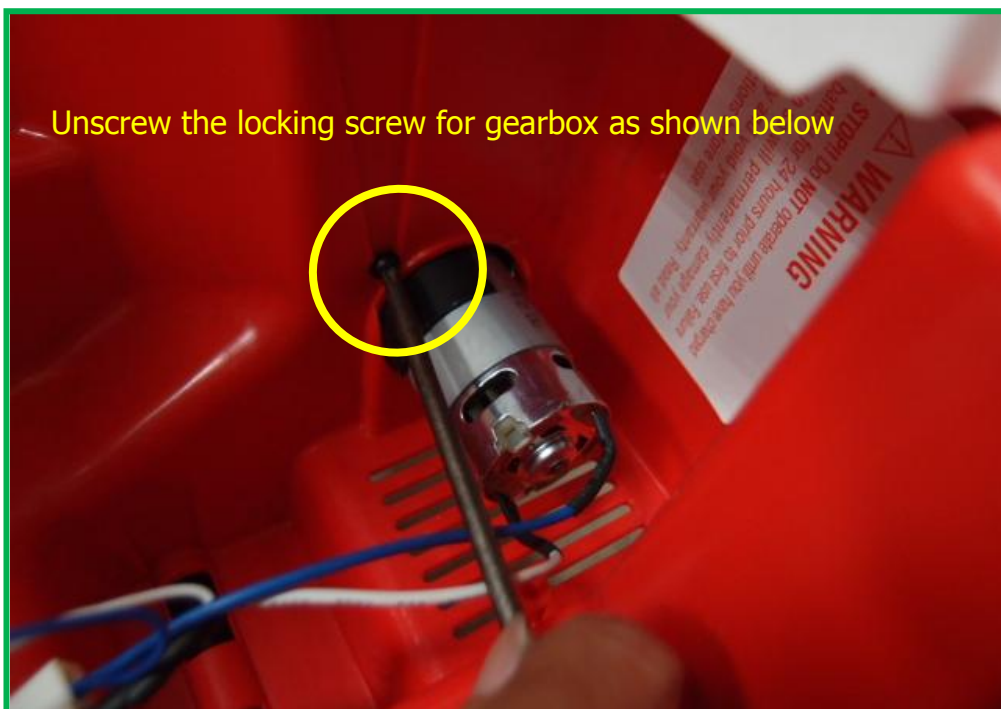
Operation: Remove the seat first, and then follow below steps to take apart the whole gearbox subassembly and replace.

Step (1)



Unscrew the wiring clip as shown

Step (2)



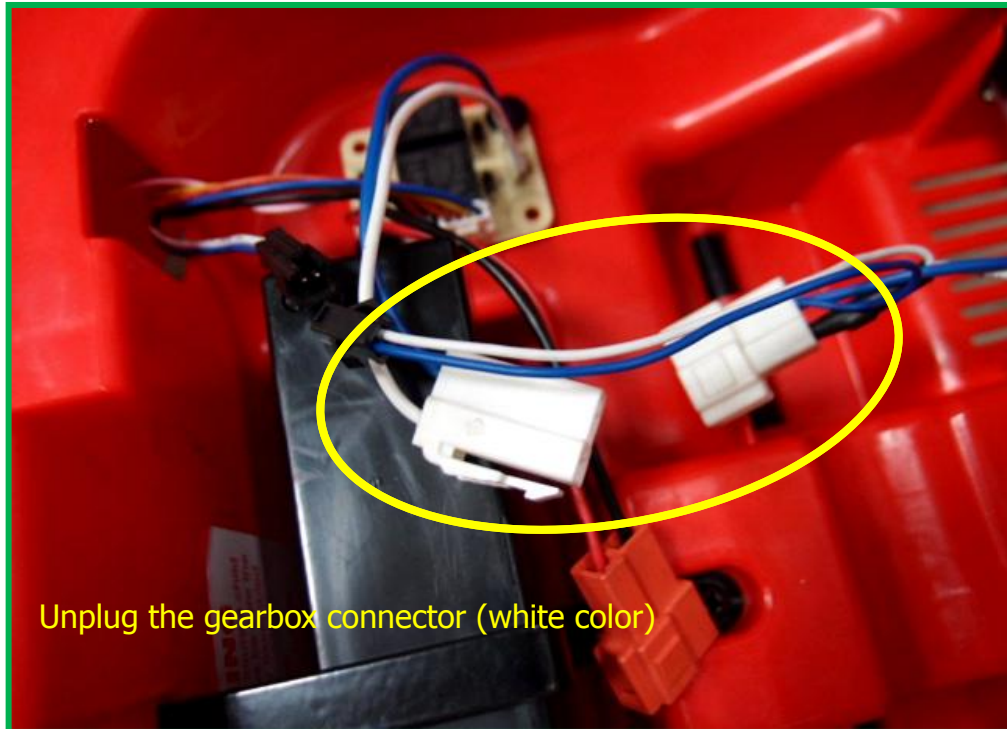
Unscrew the locking screw for gearbox as shown below

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IV) Gearbox Replacement

Step (3)



Step (4)



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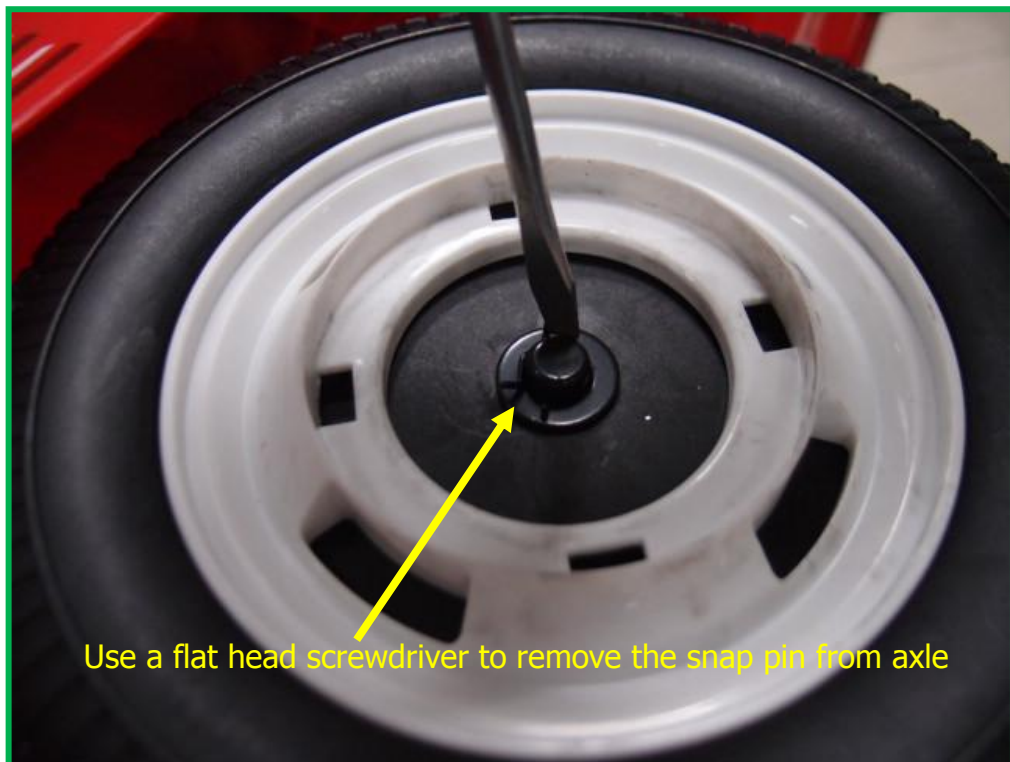


IV) Gearbox Replacement

Step (5)



Step (6)



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IV) Gearbox Replacement

Step (7)



Step (8)



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IV) Gearbox Replacement

Step (9)



Slide the gearbox out from axle

Step (10)



Replace the whole gearbox sub-assembly with a new one

Reverse the above procedures to re-assemble the vehicle

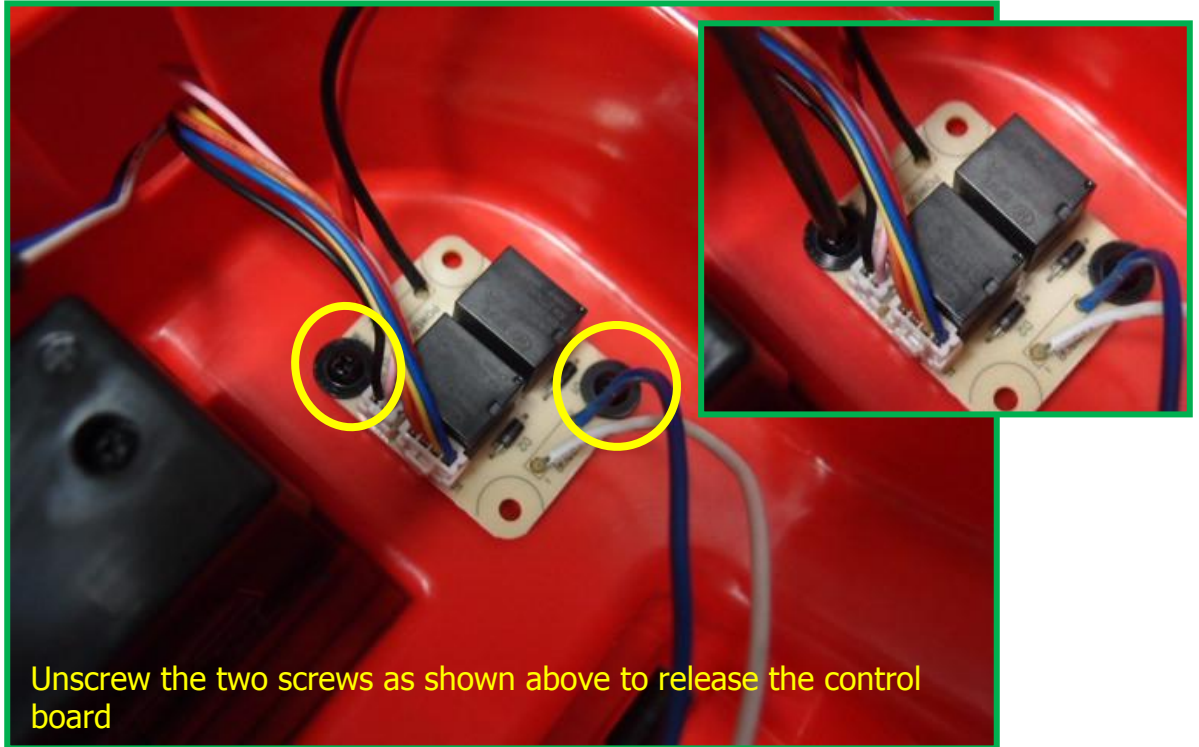
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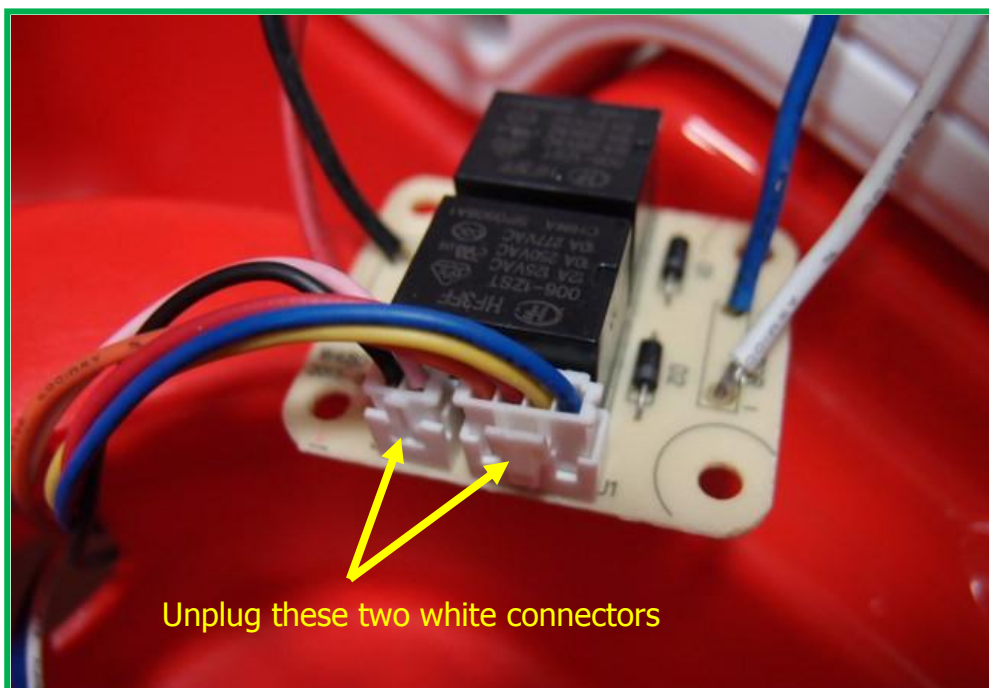
V) Control Board Replacement

Operation: Remove the seat, and access the control board underneath.

Step (1)



Step (2)

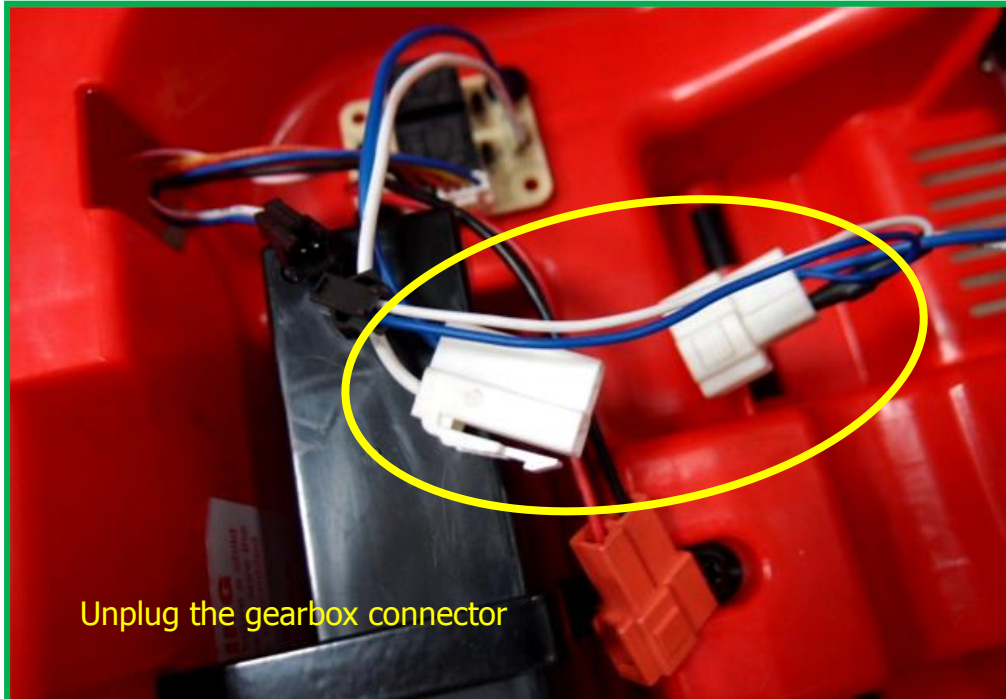


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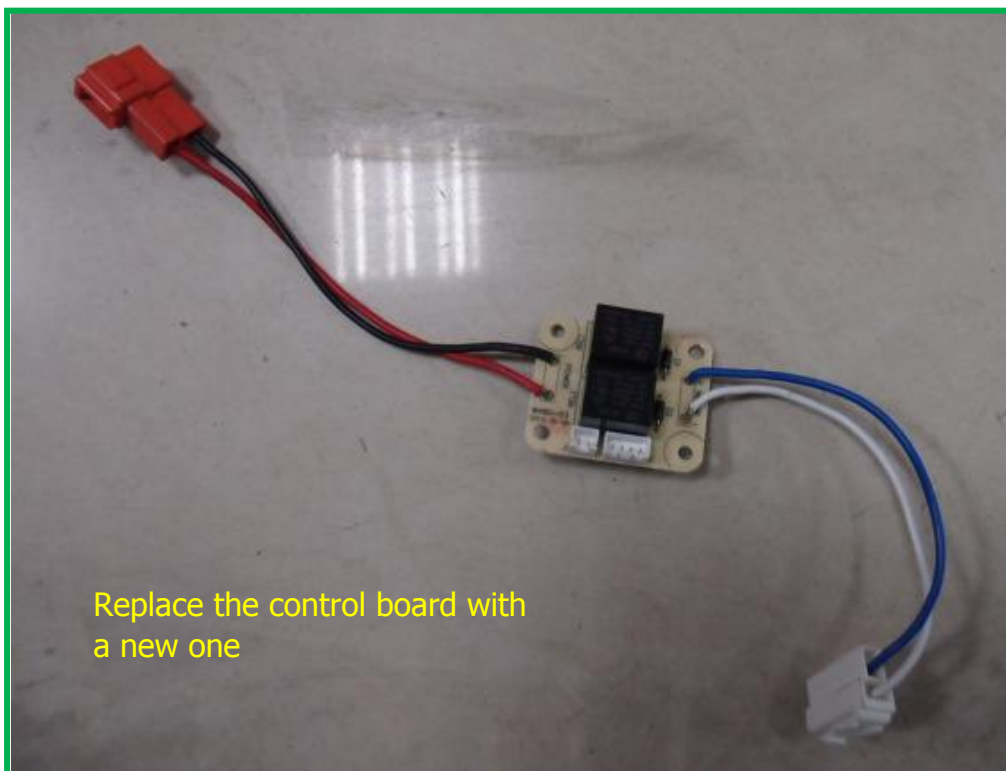


V) Control Board Replacement

Step (3)



Step (4)

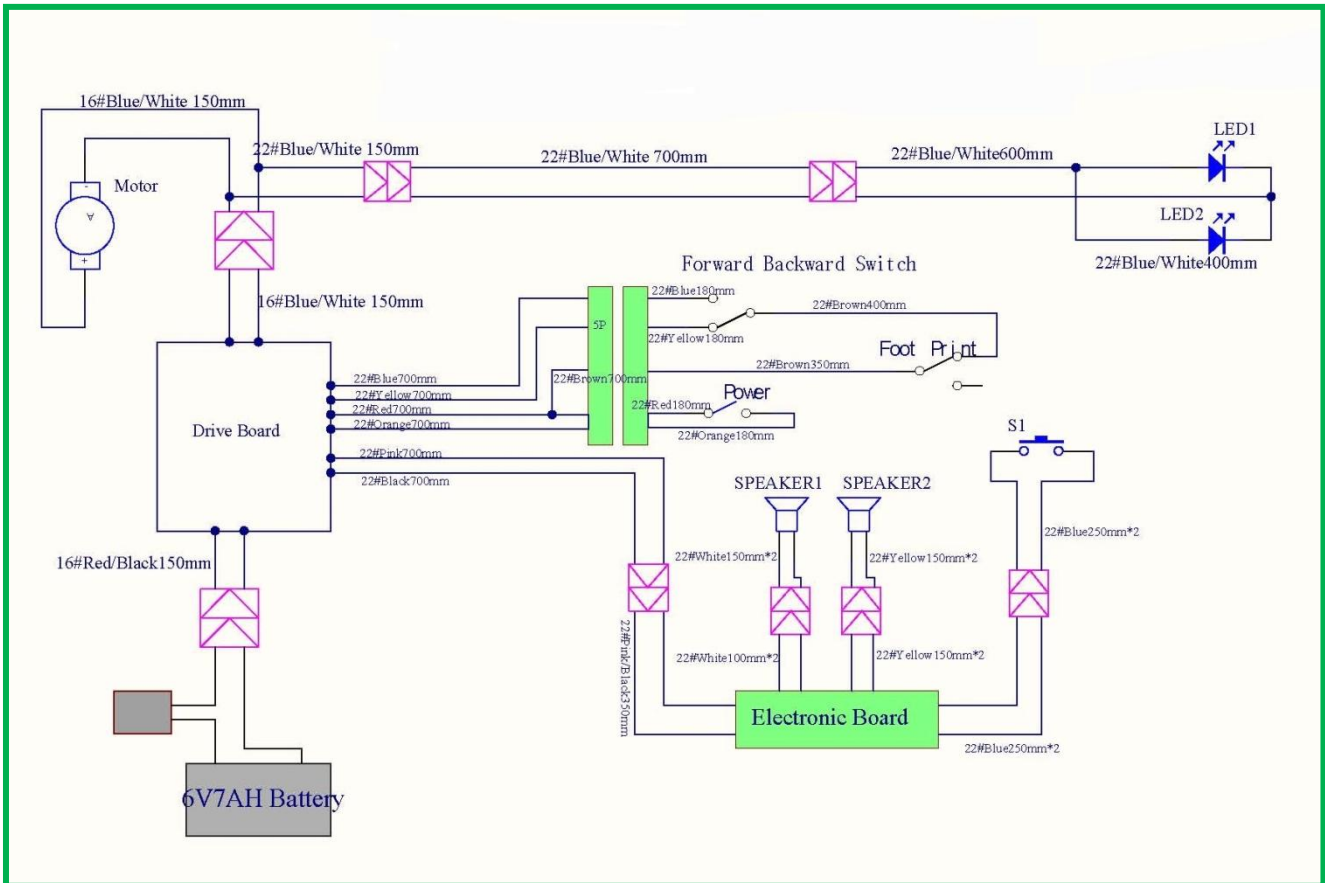


Reverse the above procedures to re-assemble the vehicle

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VII) Wiring Schematic



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VIII) Exploded View

