



12V Chevrolet Silverado (W461-C)
12V GMC Sierra Denali (W461-G)
Customer Service Guide



Customer Service Guide



Contents

I)	Check Battery	3
II)	Check Fuse Condition	6
III)	Check Wiring Condition	7
IV)	Door Replacement	16
V)	Gearbox Replacement	18
VI)	Schematic diagram	24
VII)	Expanded View	25

Customer Service Guide

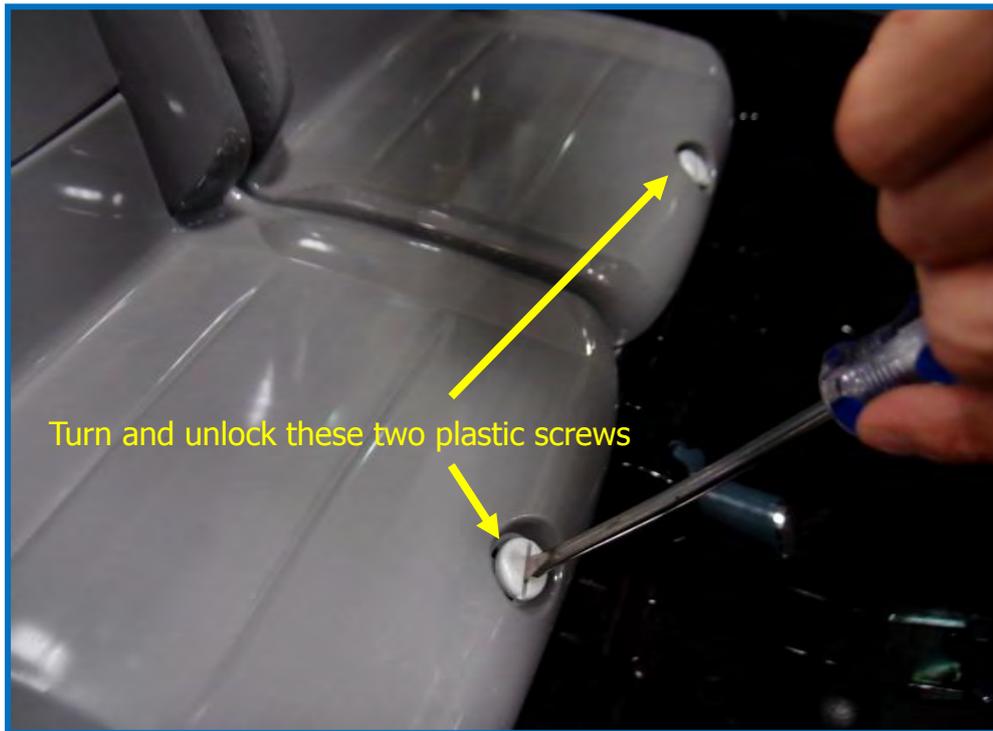


CAUTION :
Disconnect the battery before repairing

I) Check Battery

Operation: Using a Flat head screwdriver, unlock and remove the seat. Locate the battery harness, and unplug the connector. Use a volt-meter to check battery condition on the battery connector side.

Step (1)



Step (2)

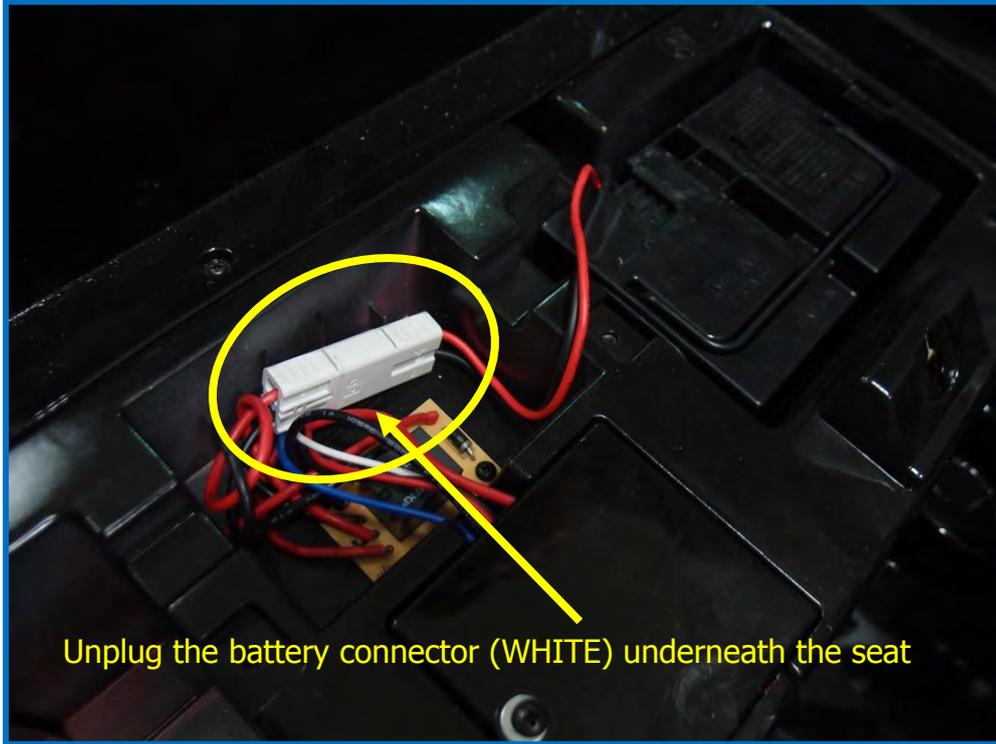


Customer Service Guide

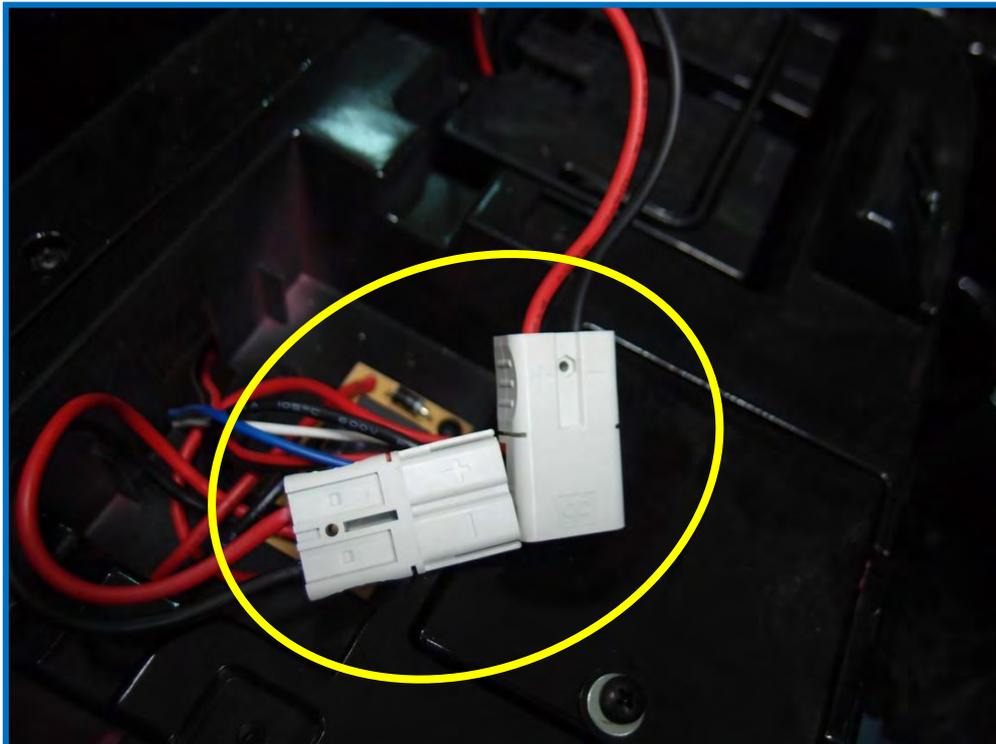


I) Check Battery

Step (3)



Step (4)

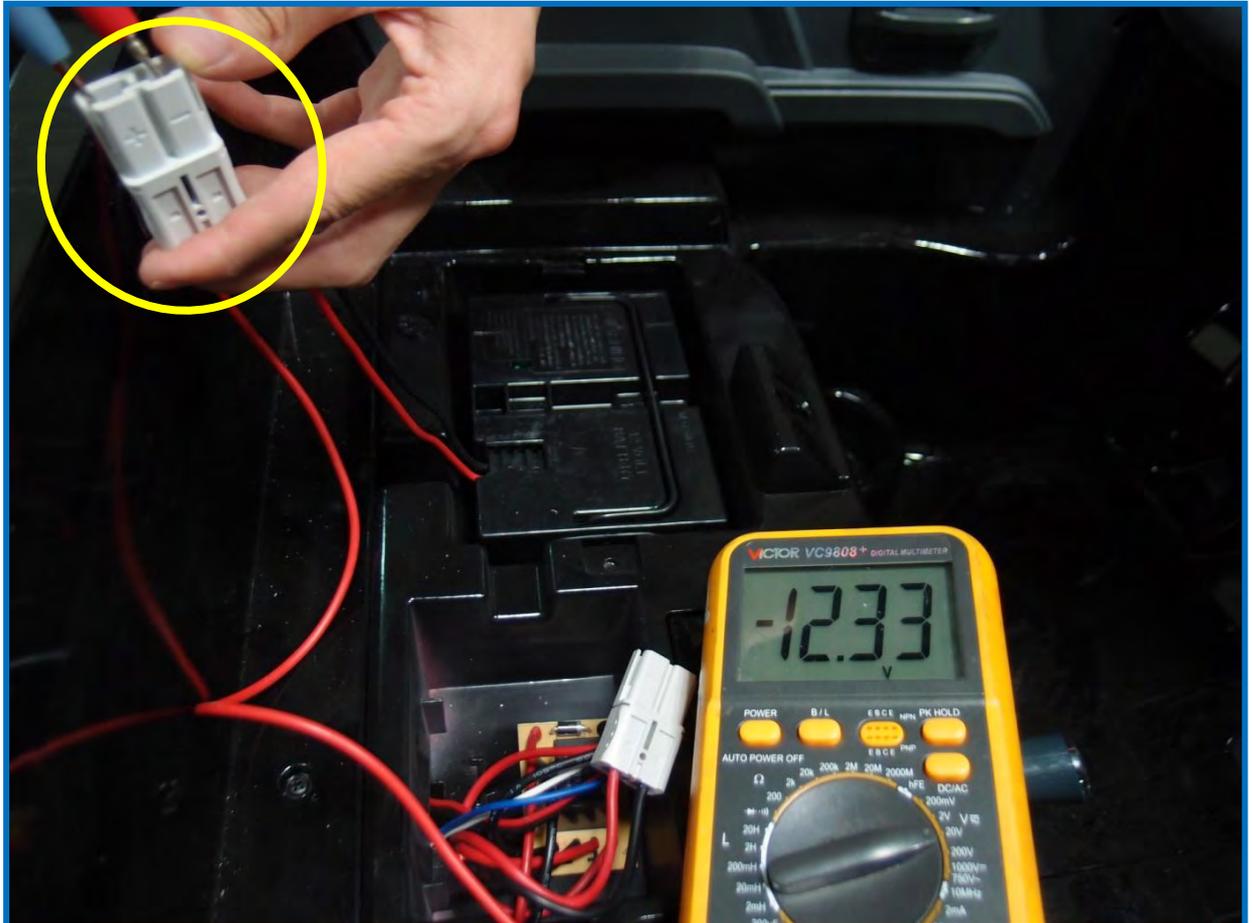


Customer Service Guide



I) Check Battery

Step
(5)



Reading Judgment: 11.5 V ~ 13.4 V – Good condition

10.0 V ~ 11.0 V – Proceed to Recharge

9.5 V – Battery to be recharged. If after the recommended recharging time, voltage has not increased, the Battery needs replacement

Lower than 9.0 V – Battery needs replacement

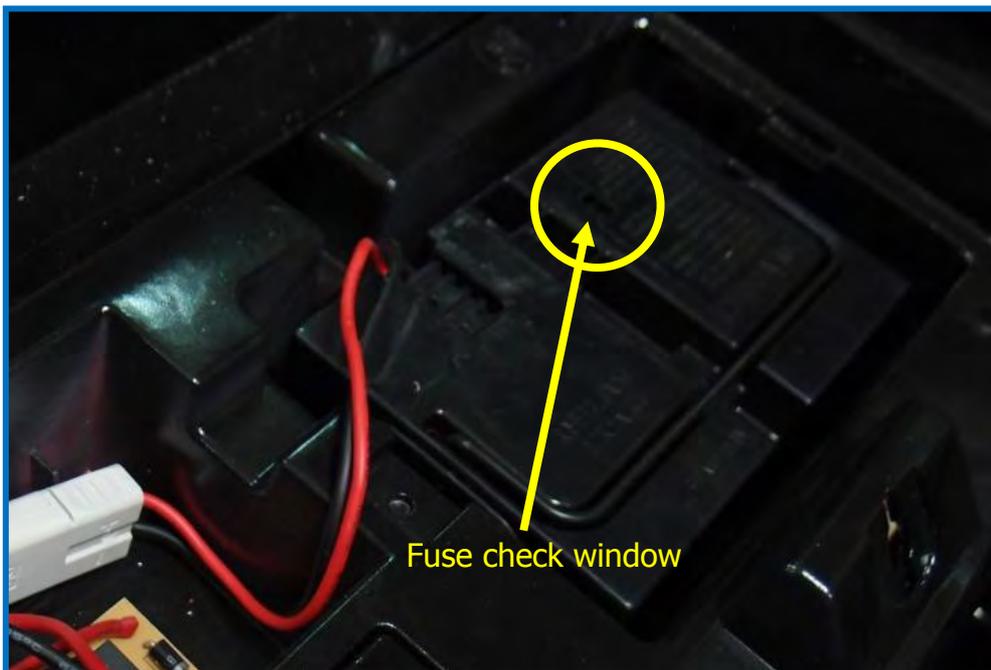
Customer Service Guide



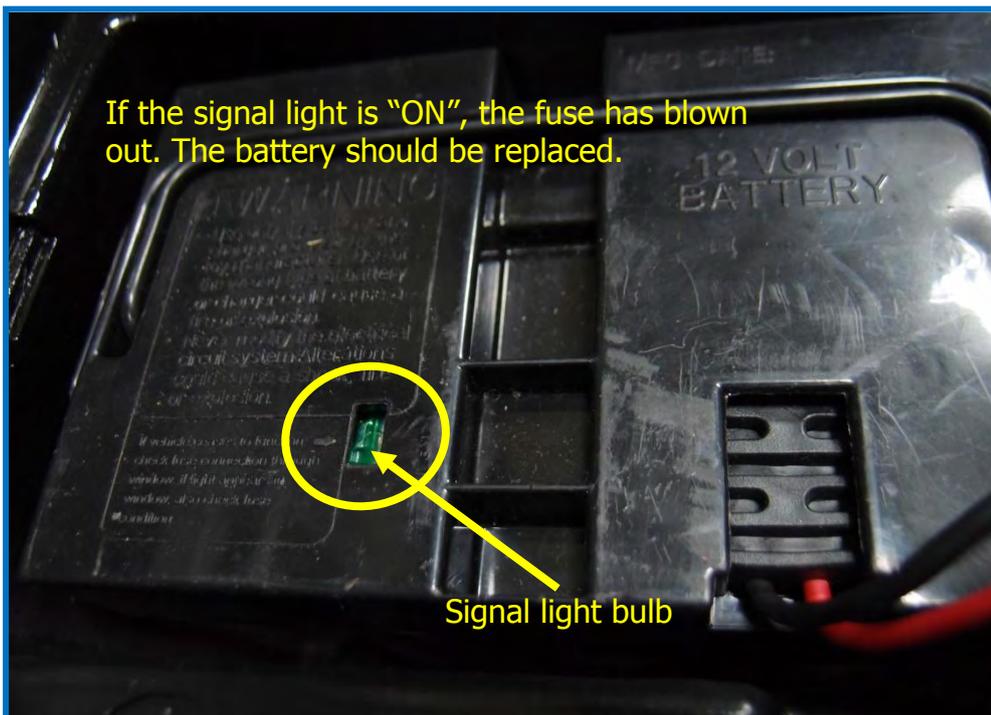
II) Check Fuse Condition

Operation: Check the fuse check window on the battery to determine if the fuse has blown out. Keep the battery connected and turn on the unit with power switch. The signal light will stay "ON" when there is a short circuit to battery.

Step (1)



Step (2)



Customer Service Guide



III) Check Wiring Connection

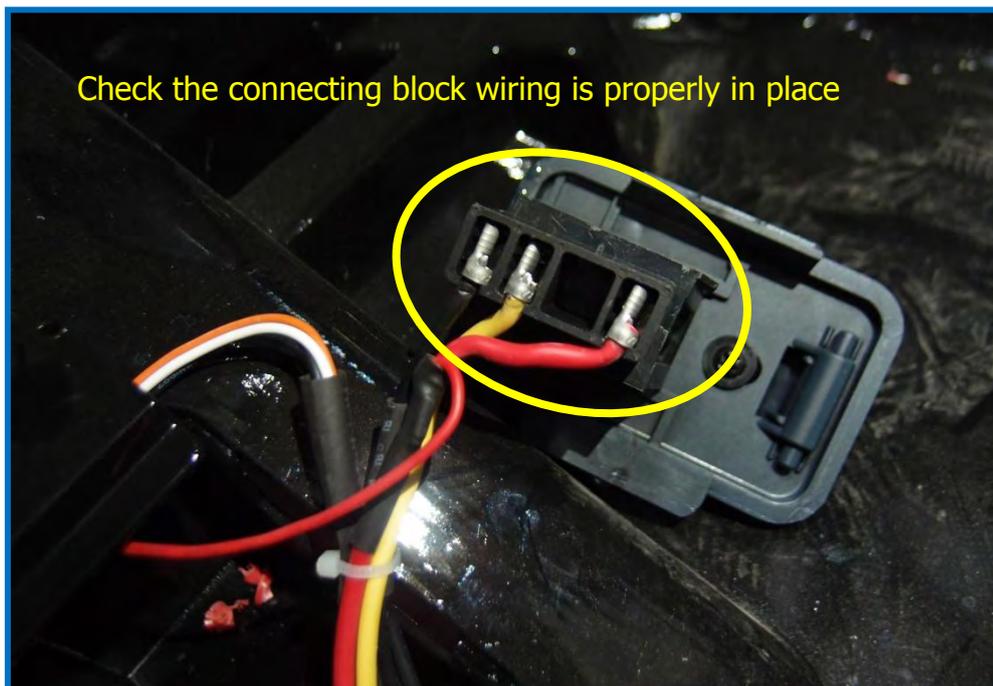
Operation: There are three positions of connections that should be checked.

A. Foot Pedal : Remove the Foot Pedal from the vehicle to check the wiring

Step (1)



Step (2)



Customer Service Guide



III) Check Wiring Connection

Step
(3)



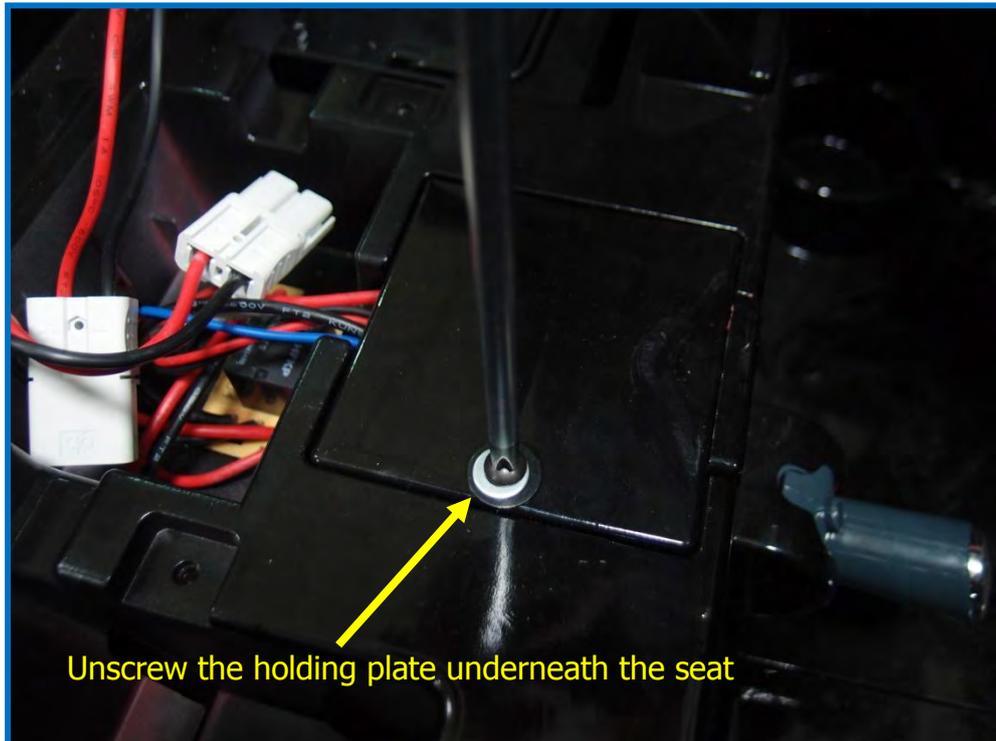
Customer Service Guide



III) Check Wiring Connection

B. Shifter : Remove the seat (see Pg 3). Locate the Shifter below the seat, unscrew and lift it up to check the connection

Step (1)



Unscrew the holding plate underneath the seat

Step (2)



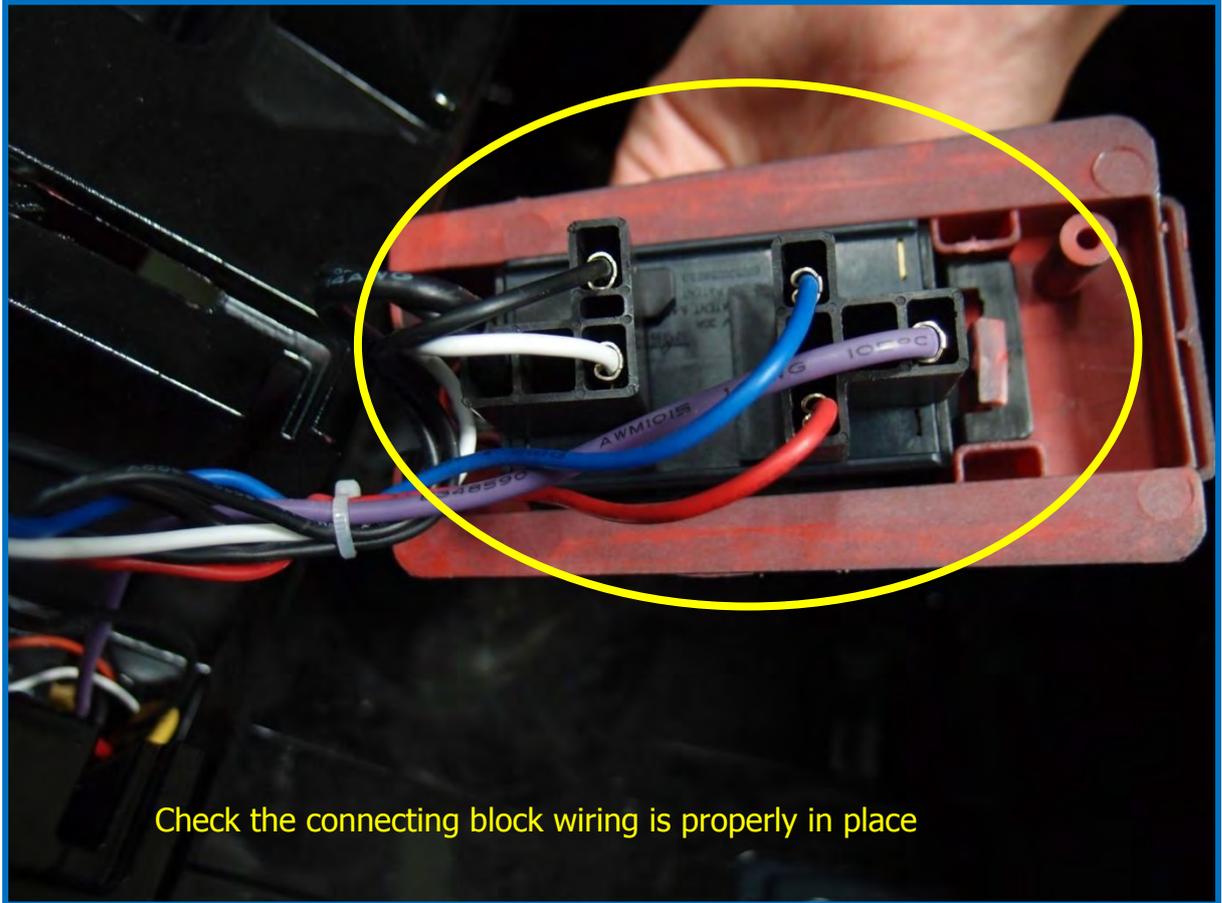
Lift up the shifter to access the connection

Customer Service Guide



III) Check Wiring Connection

Step
(3)



Check the connecting block wiring is properly in place

Customer Service Guide



III) Check Wiring Connection

C. Dashboard : Follow the procedures below to access the wiring connection in the dashboard.

Step (1)



Step (2)

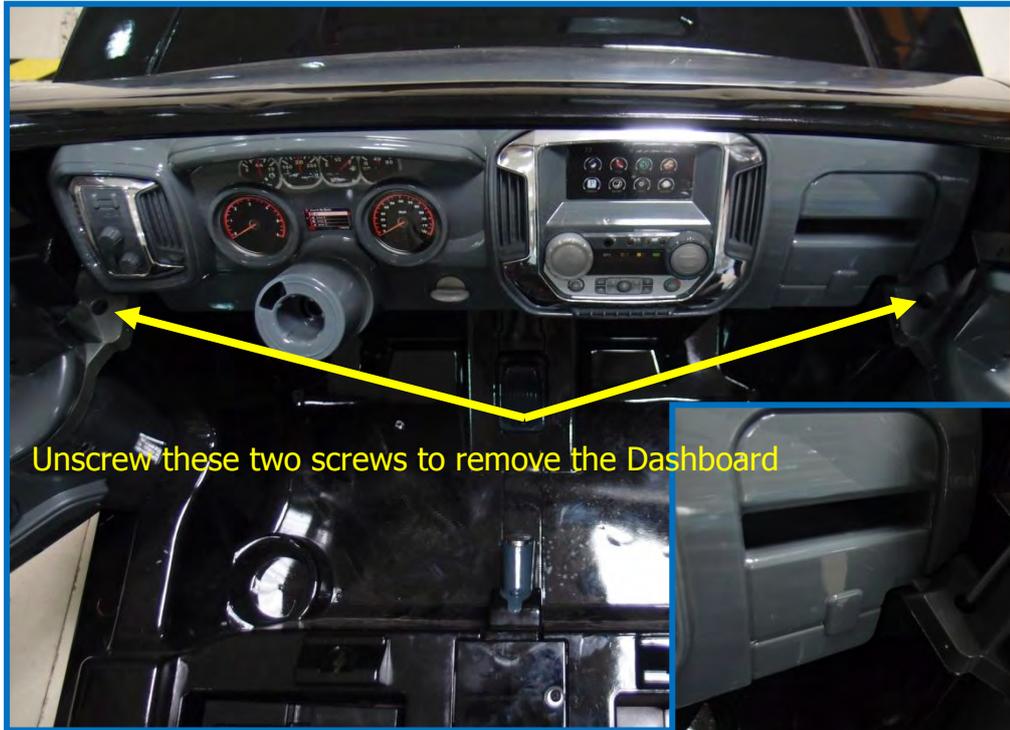


Customer Service Guide



III) Check Wiring Connection

Step (3)



Unscrew these two screws to remove the Dashboard



Step (4)



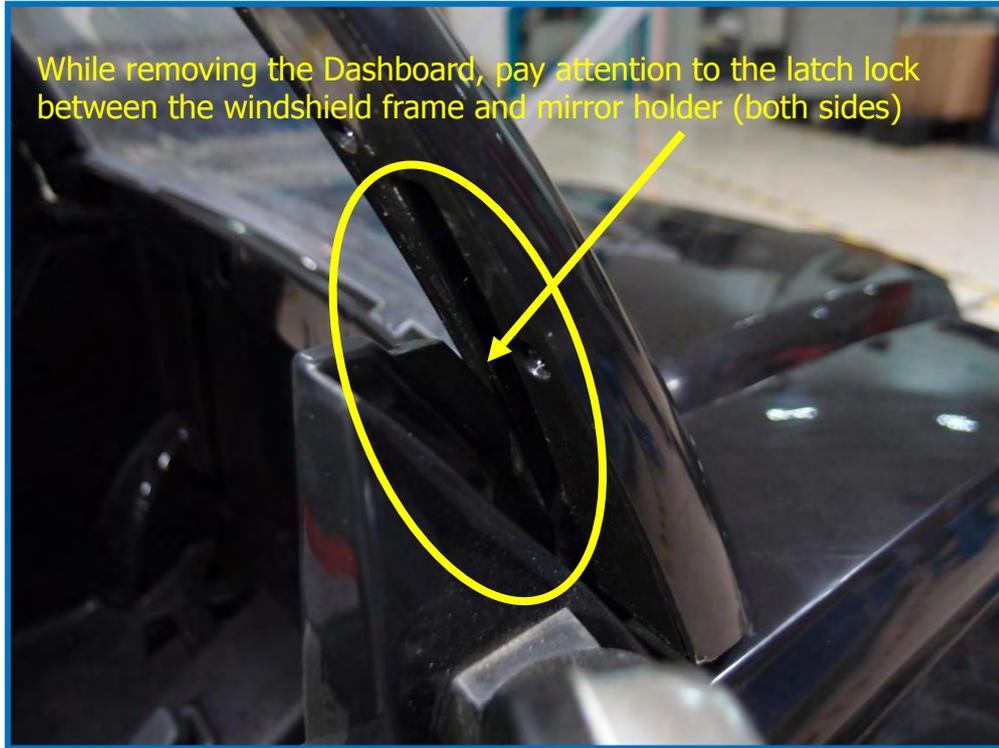
Remove the Dashboard by lifting it up from the bottom

Customer Service Guide

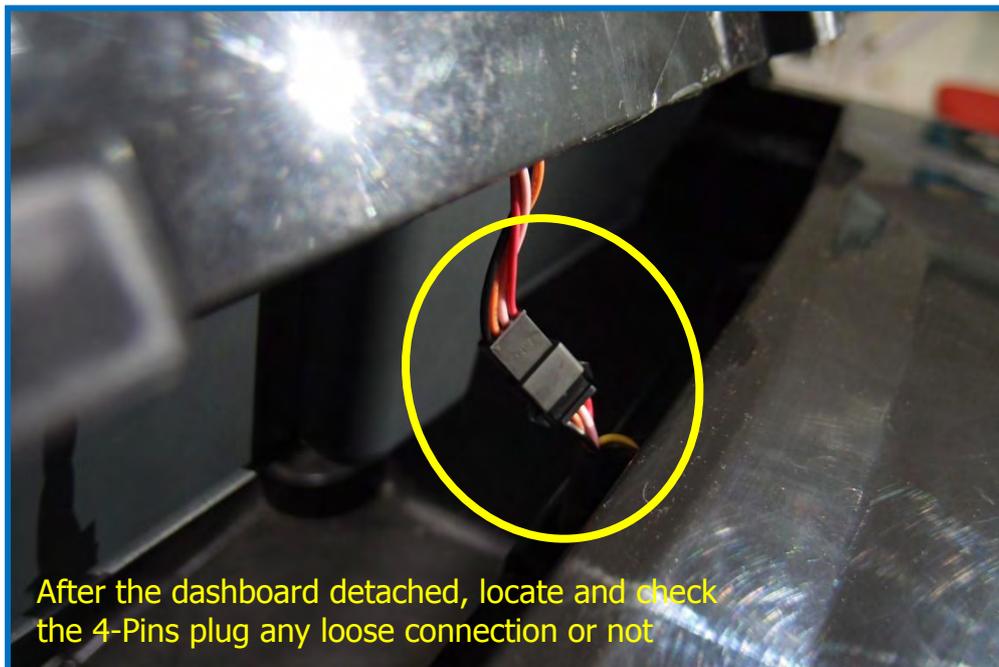


III) Check Wiring Connection

Step (5)



Step (6)



If the problem is addressed and fixed, reverse above steps to re-assemble back the vehicle. Otherwise, unplug the connector and continue as below when you need to check the connections inside Dashboard.

Customer Service Guide

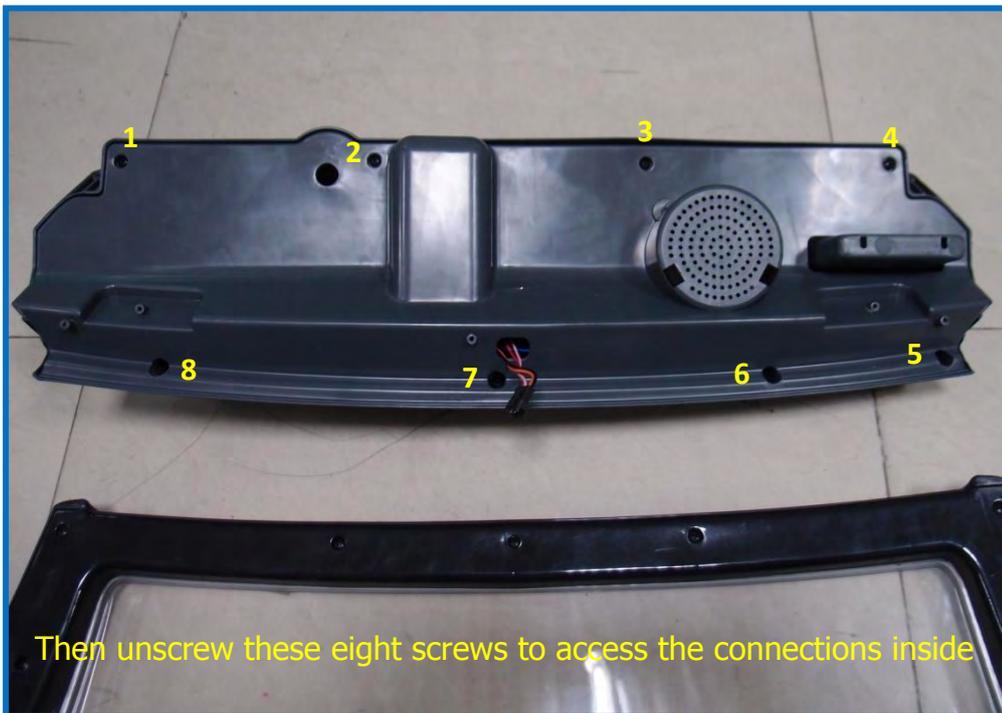


III) Check Wiring Connection

Step (7)



Step (8)

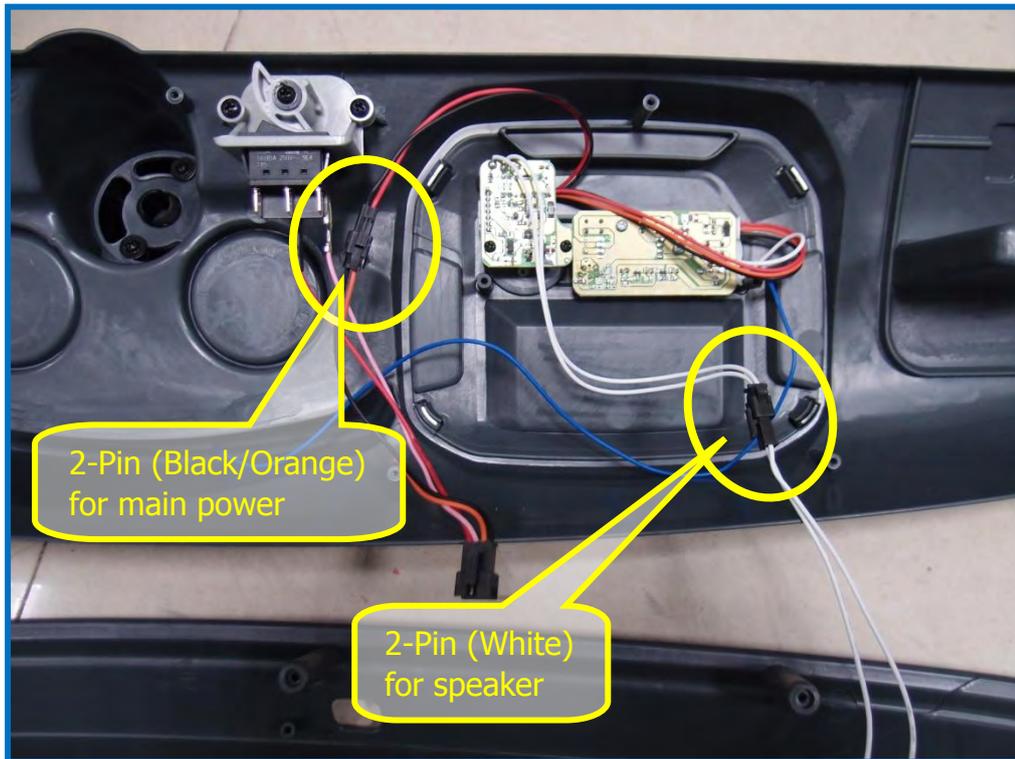


Customer Service Guide

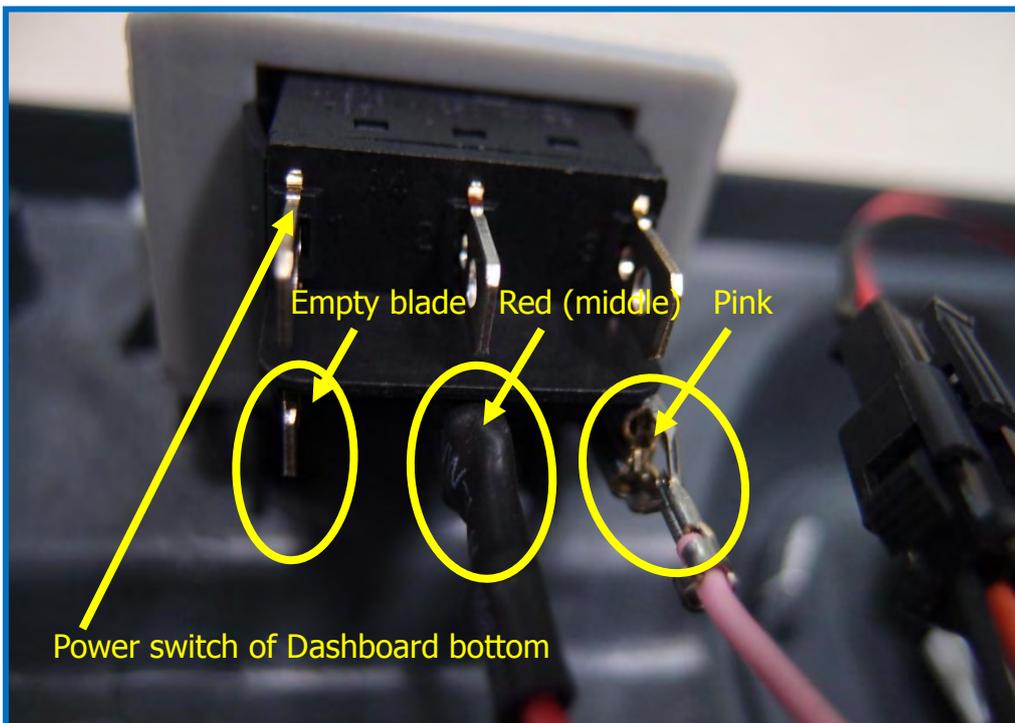


III) Check Wiring Connection

Step (9)



Step (10)



Reverse above procedures to re-assemble back the vehicle

Customer Service Guide



IV) Door Replacement

Operation: Follow below steps to remove and replace the door.

Step (1)



Step (2)



Customer Service Guide



IV) Door Replacement

Step
(3)



Before put on the new door, make sure the Tab of dashboard is assembled properly; the screw post should be at the same level of tab surface

Attach and secure the new door to finish the replacement

Customer Service Guide



V) Gearbox Replacement

Operation: Follow below steps to take apart the gearbox completely for replacing.

Step (1)



Step (2)



Customer Service Guide



V) Gearbox Replacement

Step (3)



Step (4)



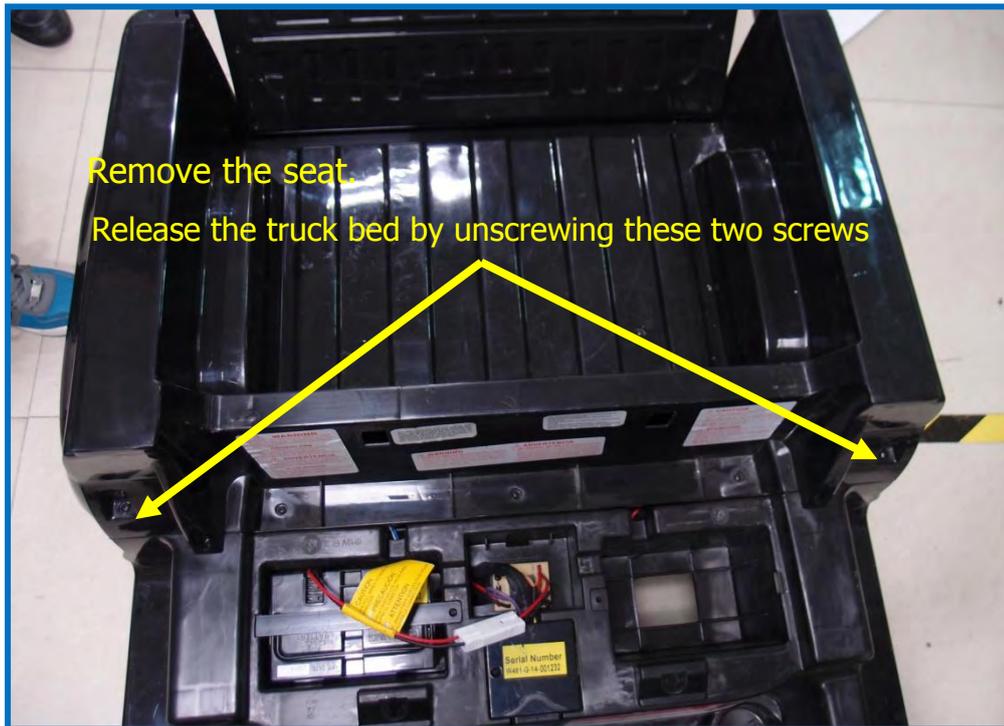
Customer Service Guide



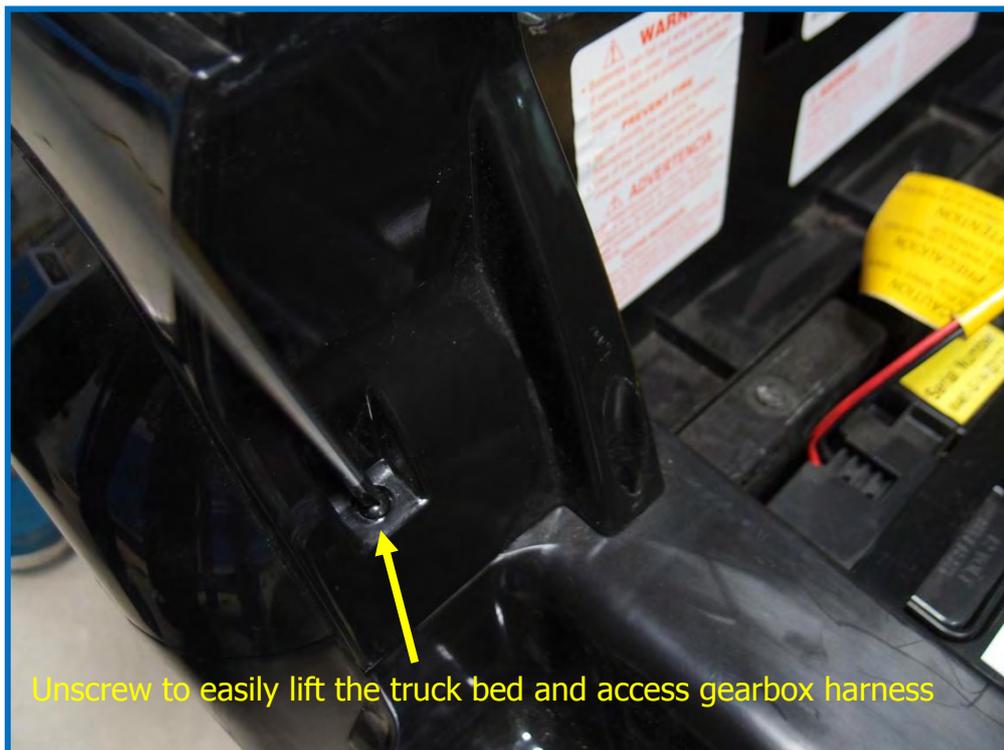
V) Gearbox Replacement

For units with the last 6 digit of Serial Code greater than **003488**, skip Steps 5 - 8.

Step (5)



Step (6)

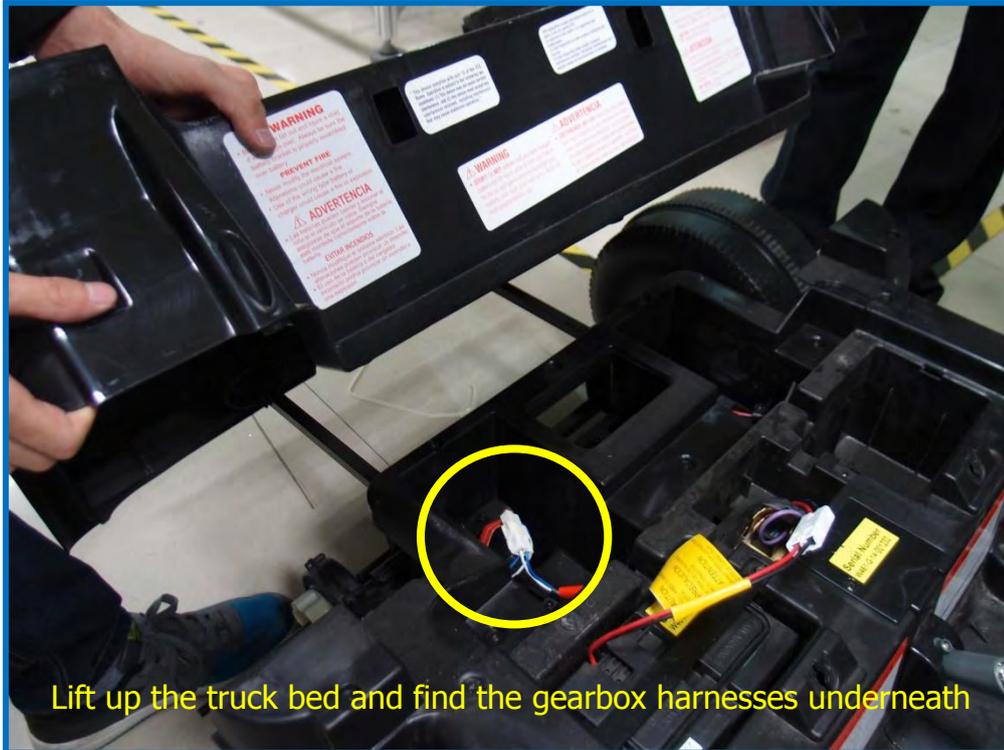


Customer Service Guide



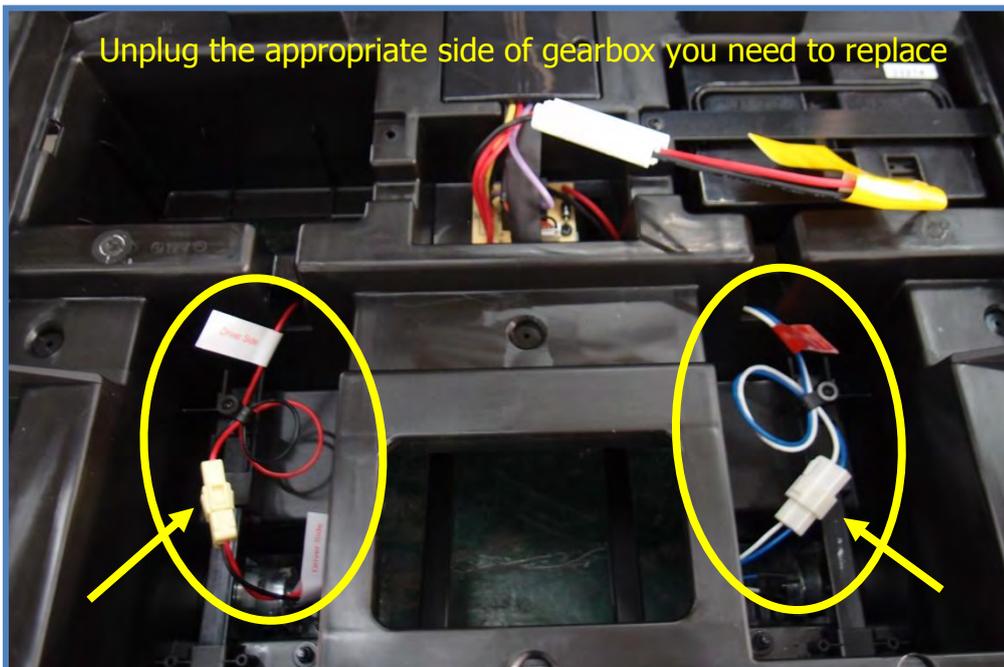
V) Gearbox Replacement

Step (7)



Lift up the truck bed and find the gearbox harnesses underneath

Step (8)



Unplug the appropriate side of gearbox you need to replace

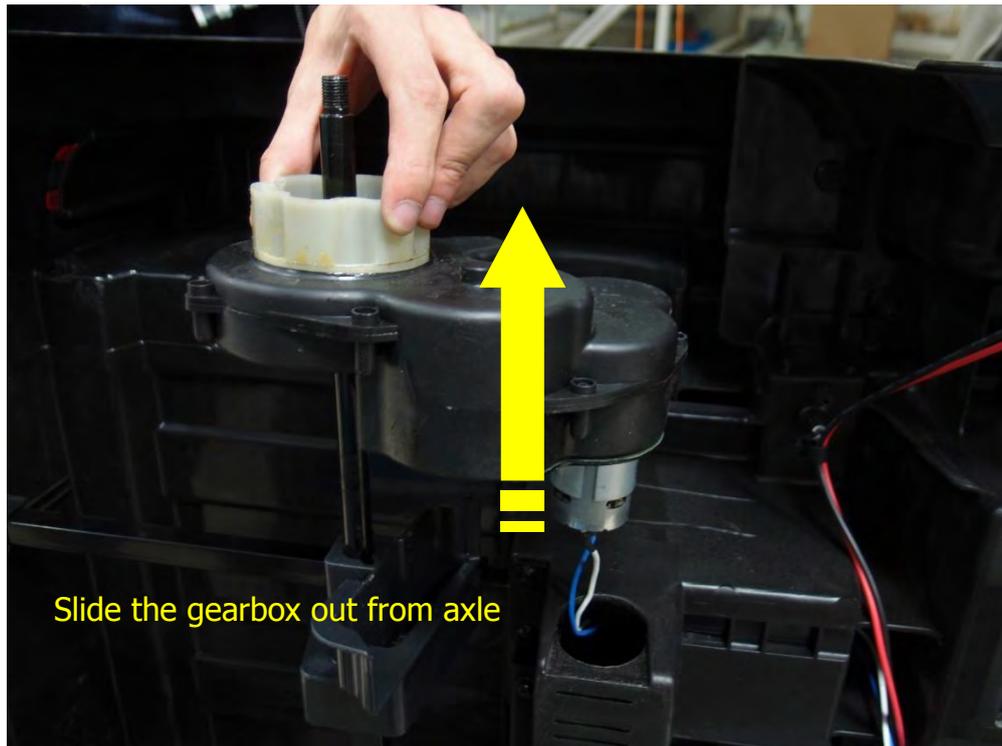
Yellow connector with Black/Red wiring and White sticker on it, this is for the Driver (left) side. White connector with Blue/White wiring and Red sticker on it, this is for Passenger (right) side.

Customer Service Guide



V) Gearbox Replacement

Step (9)



Customer Service Guide

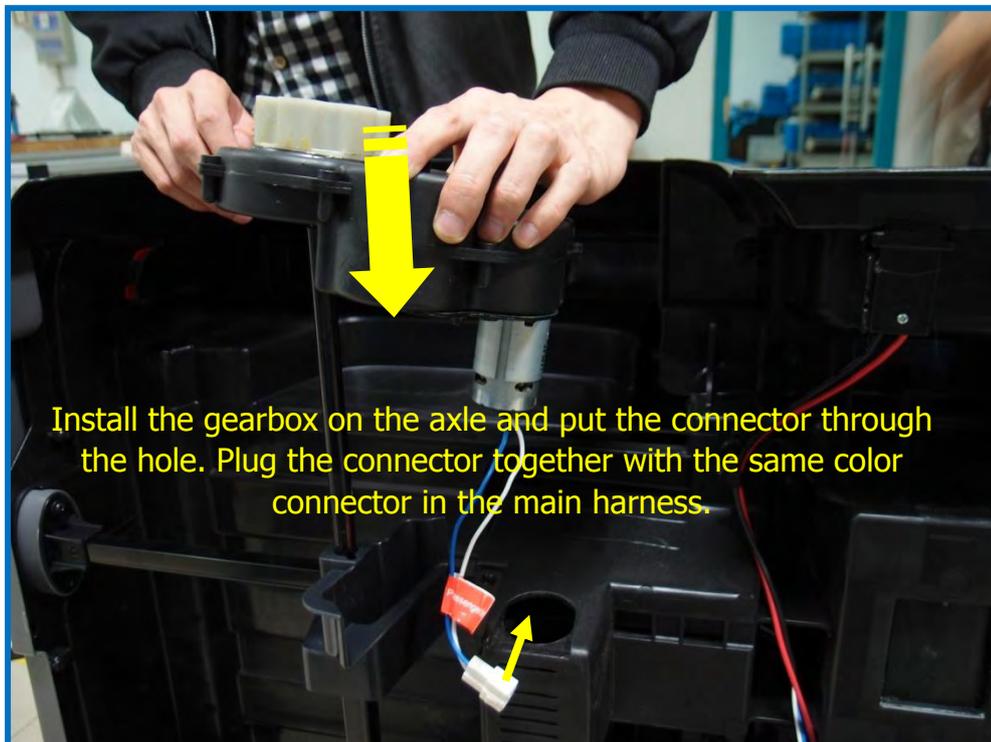


V) Gearbox Replacement

Step (10)



Step (11)



Reverse above procedures to re-assemble the vehicle

Customer Service Guide



VII) Expanded View

