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Tools Required:

Safety glasses
Clean Pad or soft cloth (to prevent scratching of painted and plastic parts during repair)
Needle nose pliers
Phillips Screw Driver (with at least an 8 inch reach)
2 Flat Head Screw Drivers

Note: Before any repair work is performed make sure that the unit is unplugged

Note: Most of the upper body parts are painted please take care not to scratch them.
A. Rear Cover & Bag Cover Assembly Removal / Installation

- Remove the exhaust filter cover
- Remove the exhaust filter
- Remove the Display Panel and Speed Control Slider by pushing the 2 flat tabs in the front area of the exhaust filter area with a flat tip screwdriver and gently prying the Display Panel up with a flat tip screwdriver in the slots provided. Lift off the Speed Control Slider.
- Remove 4 each phillips screws 2 under the Display Panel and 2 in the back corners of the Rear Cover.
- You can now gently work the rear cover up and off the machine.
- Lift off the Bag Cover.
- Reassemble in reverse order.

B. Electronic Control Module (PCB) or Power Switch Assembly Removal / Installation

- Remove the Rear Cover & Bag Cover Assembly. (Section A)
- You now have access to remove and install either the PCB or Power Switch.

Note: When reinstalling any electrical components or sensing tubes, make sure you reference the correct wiring diagram. After the repair, it is also necessary to route all wiring and sensing tubes back into the proper retaining clips and/or holders.

- Reassemble in reverse order.

C. Cord Reel Assembly Removal / Installation

- Remove the Rear Cover & Bag Cover Assembly. (Section A)
- Remove the 4 phillips head screws in the bag compartment
- Using the units carry handle, lift the entire cleaner insides off the bottom housing and lay on its side with the cord reel up and the bag compartment facing you.
- Remove the cord reel and disconnect the cord reel wires.

Note: When reinstalling any electrical components or sensing tubes, make sure you reference the correct wiring diagram. After the repair, it is also necessary to route all wiring and sensing tubes back into the proper retaining clips and/or holders.

- Reassemble in reverse order
D. Suction Motor Removal / Installation

- Remove the Rear Cover & Bag Cover Assembly. (Section A)
- Remove the Cord Reel Assembly. (Section C)
- Remove the outer Motor Housing by removing the 4 phillips screws 1 on each corner. This might be easiest if stand the unit up by setting the bag compartment nose down in the bottom housing.
- Lift off the Motor Housing, Sound Absorbent Material, and Motor Hood.
- Remove the Motor and disconnect the electrical leads.

Note: When reinstalling any electrical components or sensing tubes, make sure you reference the correct wiring diagram. After the repair, it is also necessary to route all wiring and sensing tubes back into the proper retaining clips and/or holders.

- Reassemble in reverse order.