

INSTRUCTION SHEET FOR MOTOR REPLACEMENT FOR GP100, SM6500, BP100, CM100, RL6100 & HDN6400 RANGE HOODS

⚠ WARNING

- RISK OF ELECTRICAL SHOCK. **DISCONNECT POWER BEFORE SERVICING.**
- IT IS RECOMMENDED TO WEAR SAFETY GLASSES AND GLOVES WHEN SERVICING THE UNIT.
- ELECTRICAL WIRING MUST BE DONE BY QUALIFIED PERSONNEL IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING FIRE-RATED CONSTRUCTION CODES AND STANDARDS.

ATTENTION TO WIRE COLOURS!

THIS SERVICE MOTOR HAS ITS WIRES COVERED WITH TWO LAYERS OF INSULATION. THE OUTER LAYER IS BLACK FOR ALL WIRES WHILE THEIR INNER LAYER IS COLOURED. THESE COLOURS CAN BE SEEN AT THE END OF THE WIRES, COMING OUT FROM UNDER THE OUTER BLACK LAYER OF INSULATION. IN THE FOLLOWING INSTRUCTIONS, WE WILL REFER TO THE COLOUR OF THE INSIDE LAYER OF INSULATION.

- 1 CUT THE POWER SUPPLY AT THE SERVICE PANEL.
- 2 REMOVE THE ELECTRICAL COMPARTMENT COVER RETAINING SCREW. SET COVER AND SCREW ASIDE.
- 3 REMOVE FILTER FROM HOOD AND SET ASIDE.
- 4 **FOR THE GP100 AND SM6500 MODELS ONLY:**
CUT THE RED MOTOR WIRE FROM THE CRIMPED CONNECTION WITH THE RED SPEED CONTROL WIRE.
- 5 **FOR THE BP100, CM100, RL6100 AND HDN6400 MODELS ONLY:**
DISCONNECT THE RED AND THE BLUE MOTOR WIRES FROM THE FAN SWITCH (3 PRONG SWITCH).
- 6 CUT THE WHITE MOTOR WIRE FROM THE CRIMPED CONNECTION WITH THE OTHER TWO WHITE WIRES.
- 7 PULL THE MOTOR WIRES (2 FOR GP100 AND SM6500 MODELS, 3 FOR BP100, CM100, RL6100 AND HDN6400 MODELS) INSIDE THE AIR CHAMBER.
- 8 REMOVE BOTH MOTOR BRACKET RETAINING SCREWS AND SET ASIDE. REMOVE AND DISCARD THE DEFECTIVE MOTOR ASSEMBLY.
- 9 INSERT THE NEW MOTOR ASSEMBLY INSIDE THE AIR CHAMBER AND ENSURE IT IS ORIENTED SUCH AS THE MOTOR BODY IS LOCATED TOWARDS THE REAR OF THE HOOD (AS ILLUSTRATED IN A).
- 10 SECURE THE MOTOR BRACKET TO THE HOOD USING BOTH SCREWS PREVIOUSLY REMOVED IN STEP 7.
- 11 ROUTE THE NEW MOTOR WIRES (2 FOR GP100 AND SM6500 MODELS, 3 FOR BP100, CM100, RL6100 AND HDN6400 MODELS) THROUGH THE HOLE (LOCATED ON THE SIDE OF THE AIR CHAMBER) INTO THE ELECTRICAL COMPARTMENT.
- 12 **FOR THE GP100 AND SM6500 MODELS ONLY:**
CONNECT THE 2 MOTOR WIRES AS FOLLOWS (SEE WIRING DIAGRAM B):
 - RED: CRIMPED WITH THE RED SPEED CONTROL WIRE.
 - WHITE: CRIMPED WITH THE OTHER TWO WHITE WIRES (ONE FROM THE LAMP SOCKET AND THE OTHER ONE THAT IS CONNECTED TO THE NEUTRAL OF THE POWER SUPPLY).
- 13 **FOR THE BP100, CM100, RL6100 AND HDN6400 MODELS ONLY:**
CONNECT THE 3 MOTOR WIRES AS FOLLOWS (SEE WIRING DIAGRAM C):
 - RED: TO THE LEFT PRONG OF THE FAN SWITCH.
 - BLUE: TO THE RIGHT PRONG OF THE FAN SWITCH.
 - WHITE: CRIMPED WITH THE OTHER TWO WHITE WIRES (ONE FROM THE LAMP SOCKET AND THE OTHER ONE THAT IS CONNECTED TO THE NEUTRAL OF THE POWER SUPPLY).
- 14 SECURE THE ELECTRICAL COVER OVER ALL THE WIRES, USING THE SCREW REMOVED IN STEP 2. ENSURE THAT ALL WIRES ARE SECURELY PLACED INSIDE AND THAT THE COVER DOES NOT PINCH ANY WIRE.
- 15 REINSTALL FILTER.
NOTE: CLEAN FILTER IF NECESSARY BEFORE REINSTALLING.
- 16 TURN THE POWER BACK ON AT THE CIRCUIT BREAKER.

