

WIRING OF HAND HELD UP-DOWN CONTROLLER

MAC VALVE:

1. SHUT OFF ALL POWER TO THE MACHINE.
2. REMOVE THE SMALLEST KNOCK OUT PLUG FROM TOP OF DISCONNECT BOX.
3. SLIDE WIRE THROUGH HOLE AND ATTACH CABLE CONNECTOR.
4. LOCATE WHITE AND SMALL YELLOW WIRE NUMBERED "4".
5. REMOVE WIRE NUT AND ATTACH GREEN WIRE. (GREEN, WHITE, YELLOW WIRES SHOULD ALL BE ATTACHED UNDER THE SAME WIRE NUT.)
6. LOCATE WHITE AND SMALL BROWN WIRE NUMBERED "3".
7. REMOVE WIRE NUT AND ATTACH WHITE WIRE. (WHITE, WHITE, BROWN WIRES SHOULD ALL BE ATTACHED UNDER THE SAME WIRE NUT.)
8. LOCATE POWER SCREW NEAR THE FUSE. IT WILL HAVE BLACK WIRES ATTACHED TO IT. ATTACH YOUR BLACK WIRE UNDER THE SCREW WITH THE OTHER EXISTING BLACK WIRES.
9. TIGHTEN WIRE CABLE CONNECTOR AT TOP OF BOX SECURELY SO WIRES CANNOT BE PULLED LOOSE DURING OPERATION.
10. TURN ON ELECTRIC AND TEST BUTTONS. WHEN THE BUTTONS ARE PUSHED YOU SHOULD SEE THE CORRESPONDING LIGHTS ILLUMINATE ON THE VERTICAL VALVE.

SMC VALVE:

1. SHUT OFF ALL POWER TO THE MACHINE.
2. REMOVE THE SMALLEST KNOCK OUT PLUG FROM TOP OF DISCONNECT BOX.
3. SLIDE WIRE THROUGH HOLE AND ATTACH CABLE CONNECTOR.
4. LOCATE ONE OF THE TWO WHITE WIRES ATTACHED TO A BLACK WIRE COMING FROM ONE OF THE HORIZONTAL LIMIT SWITCHES.
5. REMOVE THE WIRE NUT AND ATTACH GREEN WIRE. (GREEN, WHITE, BLACK WIRES SHOULD ALL BE ATTACHED UNDER THE SAME WIRE NUT.)
6. LOCATE THE OTHER WHITE WIRE ATTACHED TO A BLACK WIRE COMING FROM THE OTHER HORIZONTAL LIMIT SWITCH.
7. REMOVE WIRE NUT AND ATTACH WHITE WIRE. (WHITE, WHITE, BLACK WIRES SHOULD ALL BE ATTACHED UNDER THE SAME WIRE NUT.)
8. LOCATE POWER SCREW NEAR THE FUSE. IT WILL HAVE BLACK WIRES ATTACHED TO IT. ATTACH YOUR BLACK WIRE UNDER THE SCREW WITH THE OTHER EXISTING BLACK WIRES.
9. TIGHTEN WIRE CABLE CONNECTOR AT TOP OF BOX SECURELY SO WIRES CANNOT BE PULLED LOOSE DURING OPERATION.
10. TURN ON ELECTRIC AND TEST BUTTONS. WHEN THE BUTTONS ARE PUSHED YOU SHOULD SEE THE CORRESPONDING LIGHTS ILLUMINATE ON THE VERTICAL VALVE.