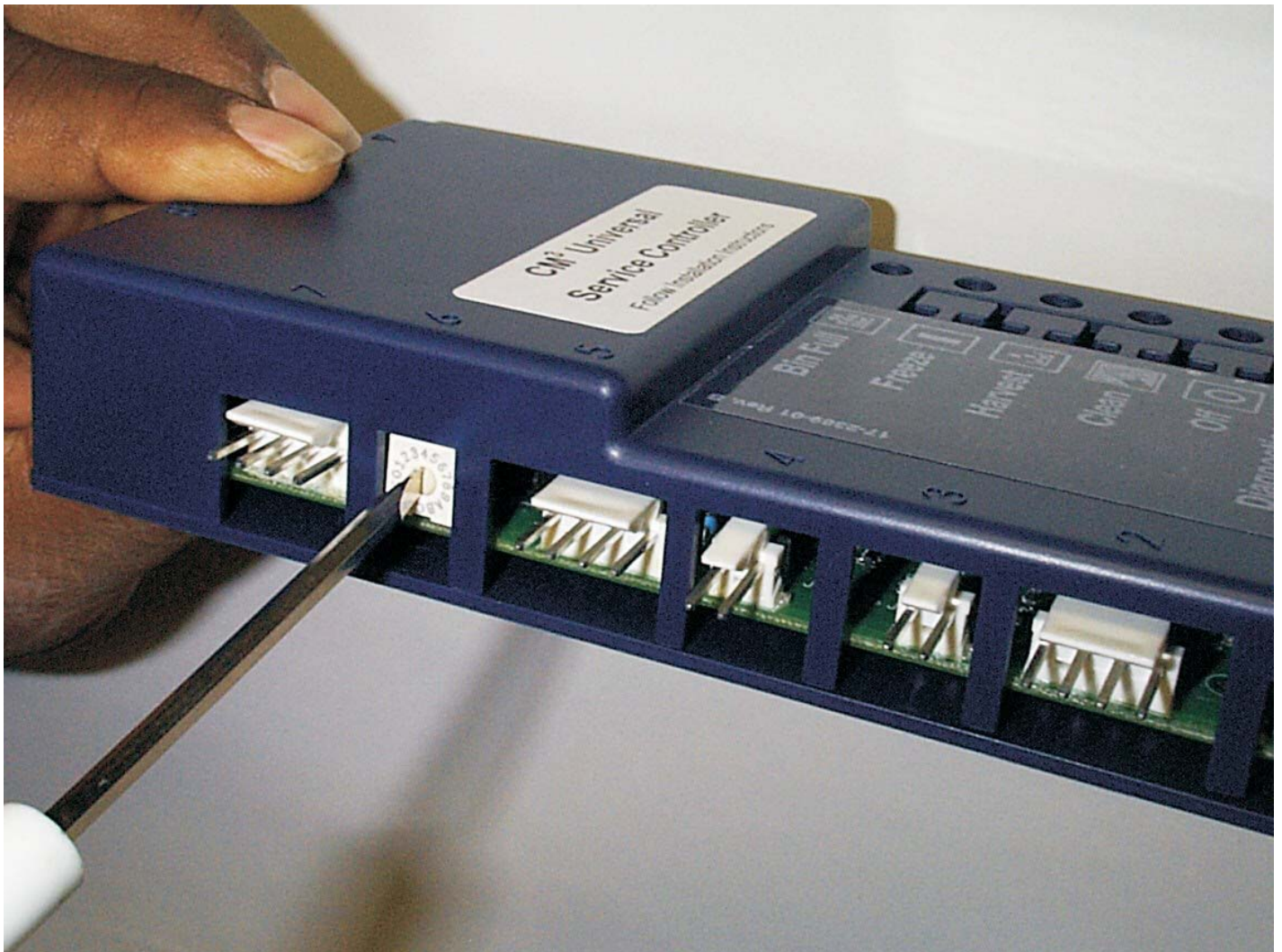# Instructions

For the replacement of the CM^3 controller.

This controller is a **universal replacement** for any controller used in Scotsman's line of CM^3 products, including these models: CME256, CME306, CME456, CME506, CME656, CME686, CME806, CME810, CME1056, CME1356, CME1386, CME1656, CME1686, CME1856, CME2006, CME2086 and the SCE275.

The controller contains the individual programs for each model, selectable by rotary switch, which is shipped in a non-functional position. The service technician must rotate the switch to select the proper program using the model-to-program selection table in these instructions.
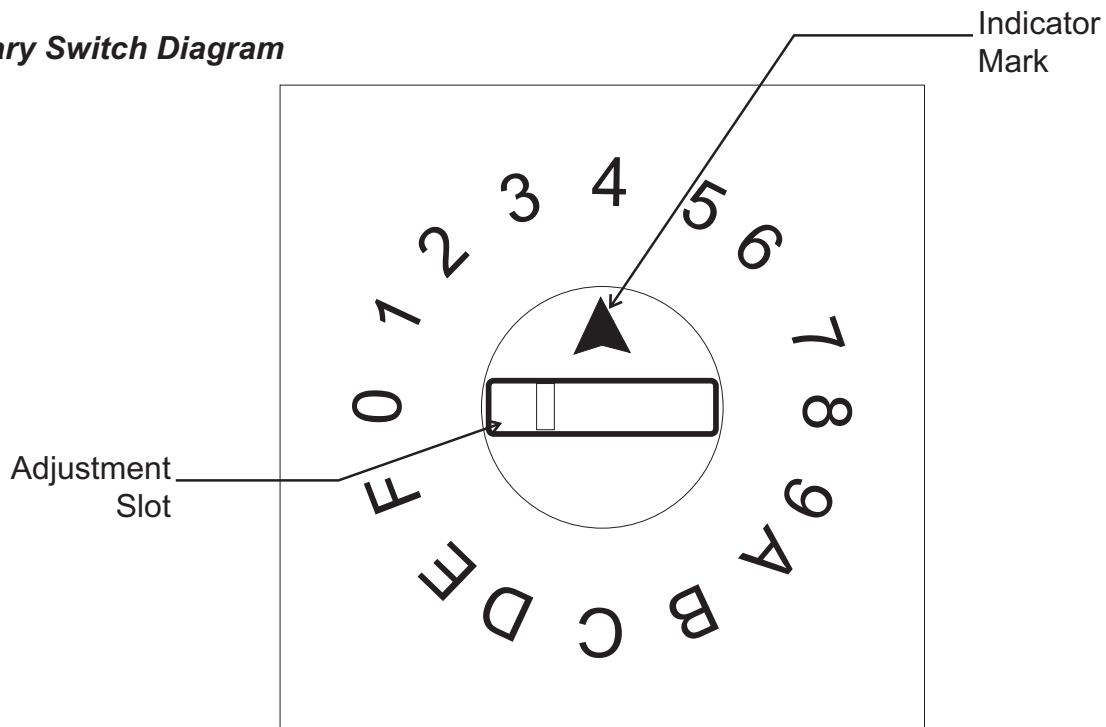

Rotate Switch to Select Model

1. Set the controller to operate the ice machine it is going to be installed on. Use the Service Controller Selector Switch on the side of the controller to select the correct program, based on the table below.

2. Rotate the switch slot until the **indicator** (not the slot) points to the correct number or letter.

Model to Program Selection Table

For Model	Set Switch To
CME256, CME506, CME656	0
CME806	1
CME1056A, CME1056R	2
CME1056W	3
CME1356, CME1656	4
CME1856, CME2006	5
CME306	6
CME456	7
SCE275	8
EUROPEAN MODEL CM450SL	9
CME810	A
CME686	B
CME1386	C
CME1686	D
CME2086	E
Not used at this time	F

Rotary Switch Diagram

Indicator Mark

Adjustment Slot

3. Install the controller:

A. Disconnect electric power to machine.

B. Remove front panel or grill.

Note: Touch the metal portion of the ice machine to discharge any static electricity.

C. Unplug all connectors to controller.

D. Remove screw at top of controller, tilt the top of the controller out and remove it from the ice machine.

Note: Touch the metal portion of the ice machine to discharge any static electricity.

E. Remove new controller from its packaging.

F. Mount new controller in place of the original in the ice machine.

G. Secure with the original screw.

H. Re-connect all wires.

Note: On older air cooled CME256, 506 or 656 models with a fan control pressure switch, the fan control is NOT USED when this replacement controller is installed in the machine. Unplug the Blue wires from the White/Brown wires at the fan control and connect the White/Brown wires together. This bypasses the fan control and allows direct operation of the fan by the controller.

I. Reconnect electrical power to confirm that the controller is set to the correct program by checking it using the Controller Program Table and the Ice Machine to Controller Program Identification process.

Ice Machine Model to Controller Identification Process

The controller will display a code at power up that indicates which ice machine model it has been programmed for.
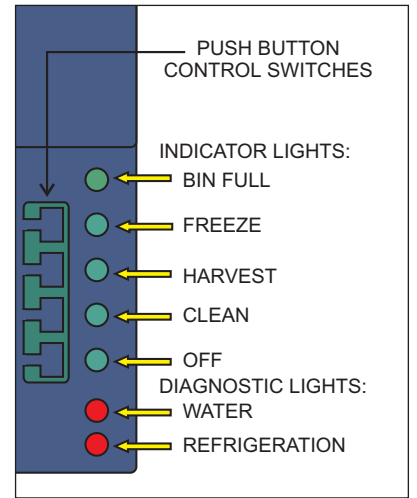
The code is based on the green lights that are displayed.

- At power up all lights flash ON once to indicate that the controller has passed its internal self-checks.
- Immediately after that the program code will be displayed for 20 seconds or until a button is pushed.
- If no button is pushed after 20 seconds the machine will display the Off light and is ready for switch inputs (push and release Freeze to start making ice).

Note: The Red Diagnostic Lights will be FLASHING while the program ID is displayed.

Controller Program Table

Green Lights Displayed	Controller Programmed for Model
None	CME256, CME506, CME656
Clean	CME806
Harvest	CME1056A, CME1056R
Clean and Harvest	CME1056W
Freeze	CME1356, CME1656
Freeze and Clean	CME2006
Freeze and Harvest	CME306
Freeze, Harvest and Clean	CME456
Bin Full	SCE275
Bin Full and Clean	European Model CM450SL
Bin Full and Harvest	CME810
Bin Full, Harvest and Clean	CME686
Bin Full and Freeze	CME1386
Bin Full, Freeze and Clean	CME1686
Bin Full, Freeze and Harvest	CME2086

PUSH BUTTON CONTROL SWITCHES

INDICATOR LIGHTS:
BIN FULL
FREEZE
HARVEST
CLEAN
OFF
DIAGNOSTIC LIGHTS:
WATER
REFRIGERATION

Controller Lights

4. If the proper lights are on push and release the Freeze button. If the wrong lights are on, re-select the program using the prior steps 2 and 3, then push and release the Freeze button.

5. Observe machine thru 1 cycle to confirm operation.

6. Repack original controller in replacement controller's carton for return (if required).