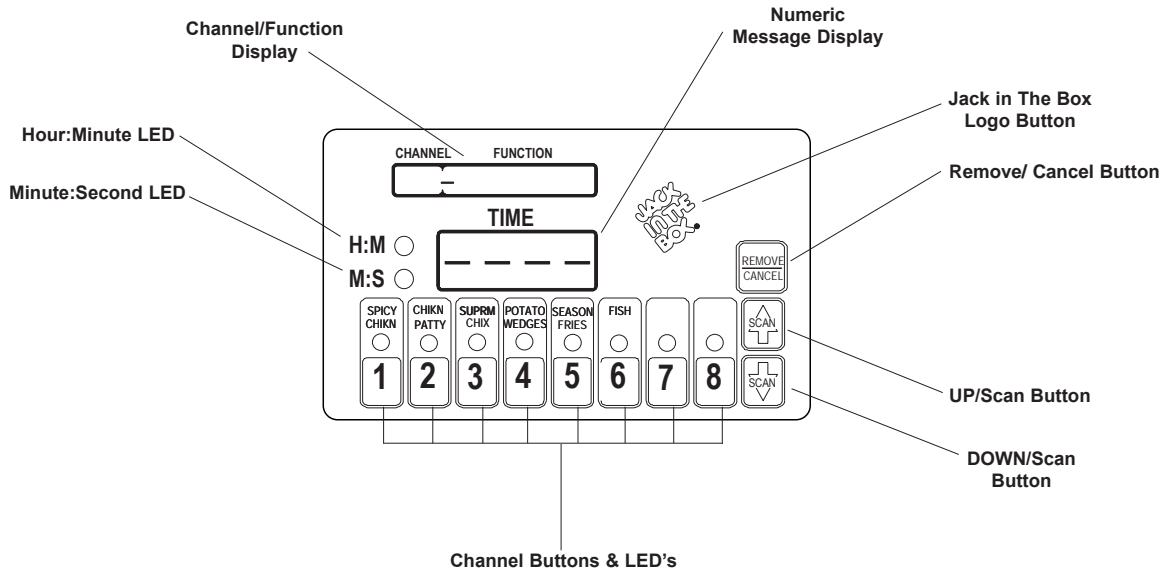


# Operation Manual



# Multi-Function Timer Model 841-T8JIB

## Product Identification



### LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of 1 year from date of original installation, not to exceed 18 months from the date of manufacture.

Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle, Inc.) without cost to the customer for parts and labor. This equipment is portable; charges for on-location service (e.g., trip charges, mileage) are not included in the provisions of this warranty.

This warranty is subject to the following exceptions/conditions:

- Use of any non-genuine Prince Castle parts voids this warranty.
- All labor to be performed during regular work hours. Overtime premium (the incremental amount) will be charged to the customer.
- Damage caused by carelessness, neglect and/or abuse (e.g., dropping, tampering or altering parts, equipment damaged in shipment, by fire, flood or an act of God) is not covered under this warranty.
- All problems due to operation at voltages other than that specified on equipment nameplates are not covered by this warranty. Conversion to correct voltage is the customer's responsibility.
- This equipment must be serviced by Prince Castle Authorized Service Agency or a Prince Castle Service Technician during the warranty period.

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### Safety Information

**! WARNING**

Indicates information important to the proper operation of the unit. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

**! CAUTION**

Indicates information important to the operation of the unit. Failure to observe may result in damage to the equipment.

### Electrical Specifications

Model No.	Volts	Watts	Amps	Hz
841	120	10 max	0.1	50/60

### Important

Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

### Description

The 841-T8JIB Series multi-function timers feature multiple channels that can be programmed to perform the following timing functions on each channel: Total Cook Time & Duty During Cook Time.

Each channel can be programmed separately and used simultaneously. The alphanumeric display shows the current channel and function being monitored. Each channel button features a corresponding LED to indicate time remaining for the channel closest to completing its cycle.

Pushing the channel button activates it. "Traffic signal" style LED's change color as the timing process counts down, then an audible alarm coupled with a flashing LED alerts the operator when timing is complete.

The timer comes shipped complete with a mounting bracket and menu stickers to identify channels.

### Installation

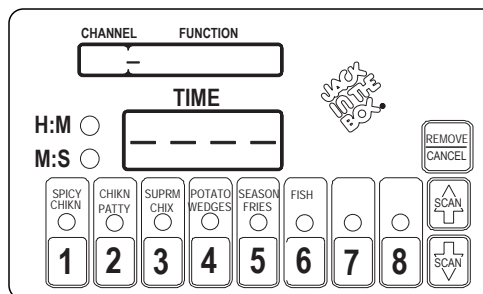
Remove the unit from the carton and inspect for signs of damage. If there is damage to the unit:

- notify the carrier within 24 hours of delivery
- save carton and packaging materials for inspection purposes
- contact your local dealer, or if purchased directly, the Prince Castle Sales Department at 800-722-7853 or 1-630-462-8800 to arrange for a replacement unit.

Use the bracket holes on back of unit as a template, mark the mounting holes location. Install unit using hardware provided.

Plug the power cord into the proper electrical receptacle. All electrical connections must be in accordance with local electrical codes and any other applicable codes.

When the unit is plugged into the proper electrical receptacle, the display will look like this and the unit will be in RUN mode.

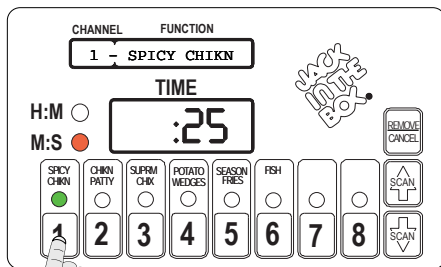


## Operation

- 1** Press the desired CHANNEL Button to start the timing cycle.
- Display will show the timer channel number and product name
  - The hour:minute (H:M) or minute:second (M:S) LED will light
  - Timer will start to count down the pre-programmed time to 0

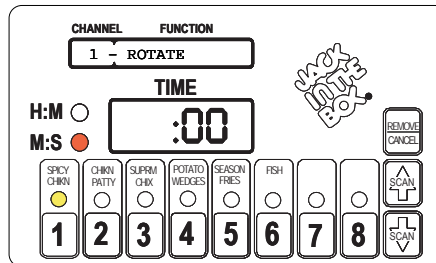
To cancel the most recently started timing function, press the Remove/Cancel button then press the desired channel button within 5 seconds.

**NOTE:** Each channel can have up to 3 batches running at the same time. The channel LED will blink when multiple batches are activated.



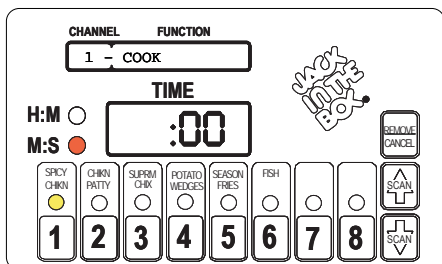
- 2** If the product is programmed for more than one duty function, the channel LED will turn yellow and the alarm will sound for 5 seconds.

The Channel/Function display will alternate between the first duty function and the next duty function to be performed. Perform the function and press the appropriate CHANNEL button.

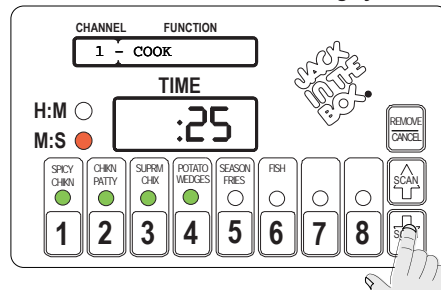


- 3** When cycle is complete, the display flashes 00 and the alarm will sound.

Press the CHANNEL button with the flashing red LED to cancel the alarm and end the cycle.

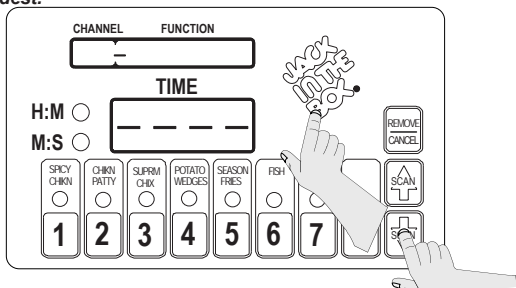


- 4** All channels can be activated and operating at the same time. Press the SCAN/UP or SCAN/DOWN buttons, or any active CHANNEL button, to check the time values for a channel. The channel number and time value will appear in the display. If no other button is pressed within 5 seconds, the display will show the channel with the least remaining cycle time.



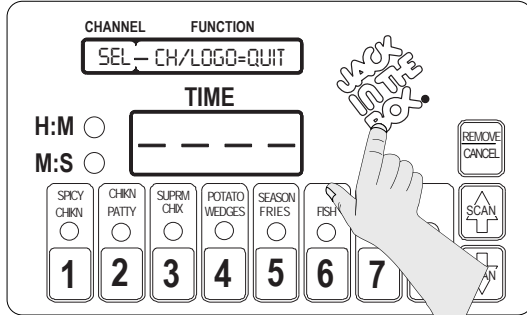
- 5** The alarm sound level may be adjusted with the unit in RUN mode. Press and hold the JACK IN THE BOX LOGO Button, then within 6 seconds, press the SCAN/UP or SCAN/DOWN Arrow button to adjust the alarm level accordingly.

Alarm levels can be set from S-0 thru S-3, with S-3 being the loudest.



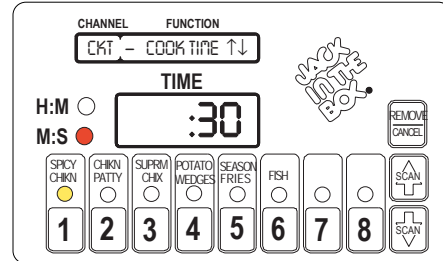
### Programming

- 1** To enter programming mode, press the JACK IN THE BOX LOGO button for approximately 8 seconds; a beep will sound and the display will read as shown.



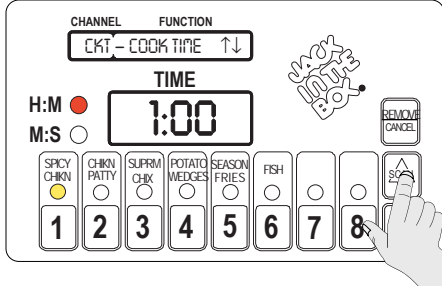
- 2** Press the desired CHANNEL button to be programmed. COOK TIME is the first function to show on the display.

The channel button LED will turn yellow, a beep will sound and the total COOK time will be displayed. The time value will show either H:M (hour:minutes) or M:S (minutes:seconds).

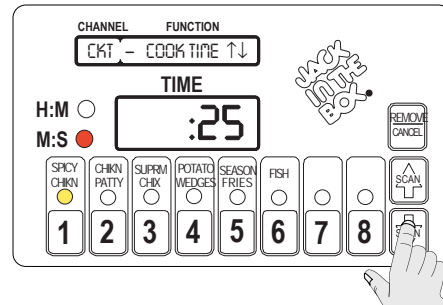


- 3** To change from minutes:seconds (M:S) to hours:minutes (H:M), press and hold the SCAN/UP Button. When the display reaches 59:59 it will automatically change to 1:00 hour and the LED will switch from M:S to H:M. To remain in minutes:seconds, skip this step.

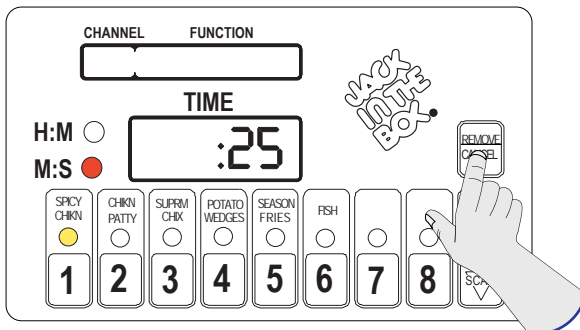
Hours:minutes (H:M) range is from 1:00 to 17:59.



- 4** Press SCAN/UP or SCAN/DOWN buttons to scroll to the desired time. When the desired time is shown, release the scan button and press the REMOVE/CANCEL button.

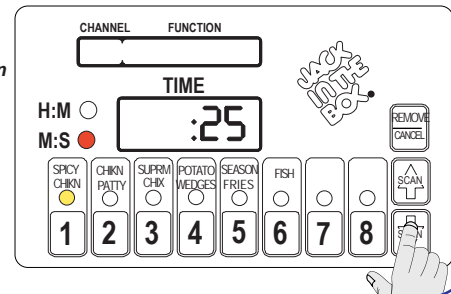


- 5** The display will now read a function name. See page 6 for a list of available function names.



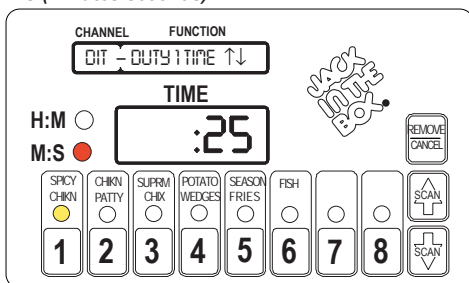
- 6** An alternate function name can be programmed by using the SCAN/UP or SCAN/DOWN buttons to scroll through the name list. When the desired name is shown, release the scan button and press the REMOVE/CANCEL button.

See **FACTORY PRESETS** for function names.



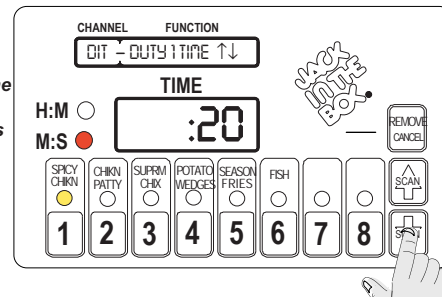
- 7** The display now reads DUTY TIME. The current time for that channel duty function will be displayed.

The time value will show either H:M (hour:minutes) or M:S (minutes:seconds).

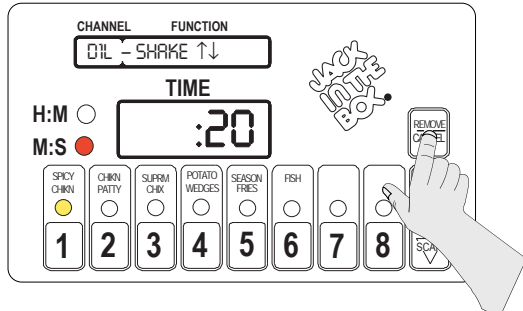


- 6** Press SCAN/UP or SCAN/DOWN buttons to scroll to the desired time. When the desired time is shown, release the scan button and press the REMOVE/CANCEL button.

**NOTE:** Setting this time value to :00 will disable this Duty Function.

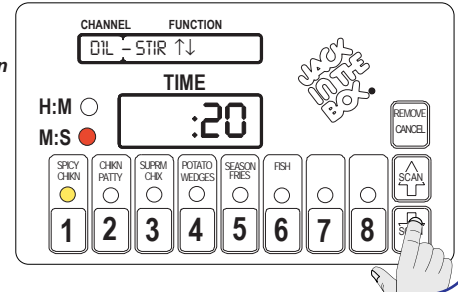


- 9** The display now reads **OIL - SHAKE** ↑ ↓. The current time for that channel duty function will be displayed.

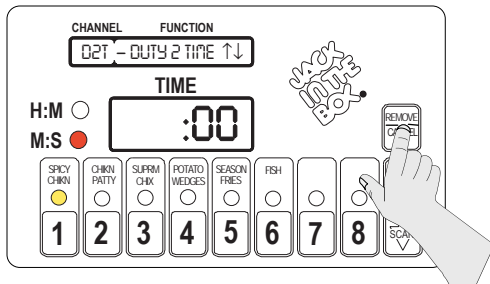


- 10** An alternate function name can be programmed by using the SCAN/UP or SCAN/DOWN buttons to scroll through the name list. When the desired name is shown, release the scan button and press the REMOVE/CANCEL button.

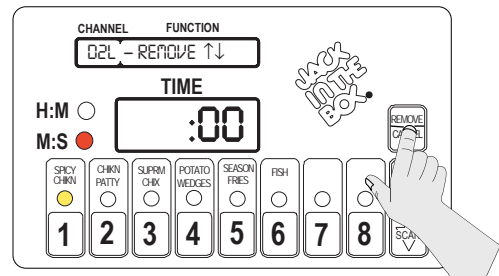
See **FACTORY PRESETS** for function names .



- 11** The display now reads **O2T - DUTY 2 TIME** ↑ ↓. The time display will show :00 and is the end of the cycle alarm. This time cannot be changed. Press the REMOVE/CANCEL button to continue.

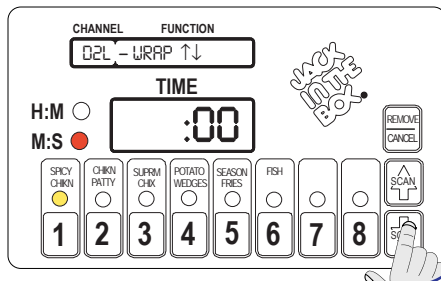


- 12** The display now reads **O2L - REMOVE** ↑ ↓. This is the end-of-cycle prompt.

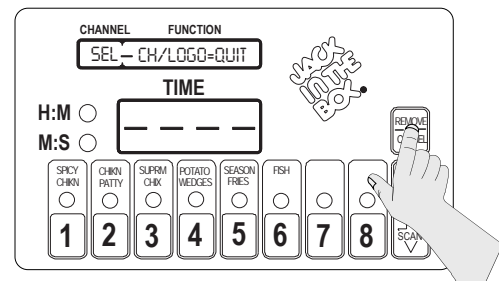


- 13** An alternate function name can be programmed by using the SCAN/UP or SCAN/DOWN buttons to scroll through the name list. When the desired name is shown, release the scan button and press the REMOVE/CANCEL button.

See **FACTORY PRESETS** for function names .



- 14** The display now reads **SEL - CH/LOGO=QUIT**. To program another channel, repeat steps 2 – 12. If no other changes are to be made, press the LOGO button to return to Run Mode.



## Factory Presets

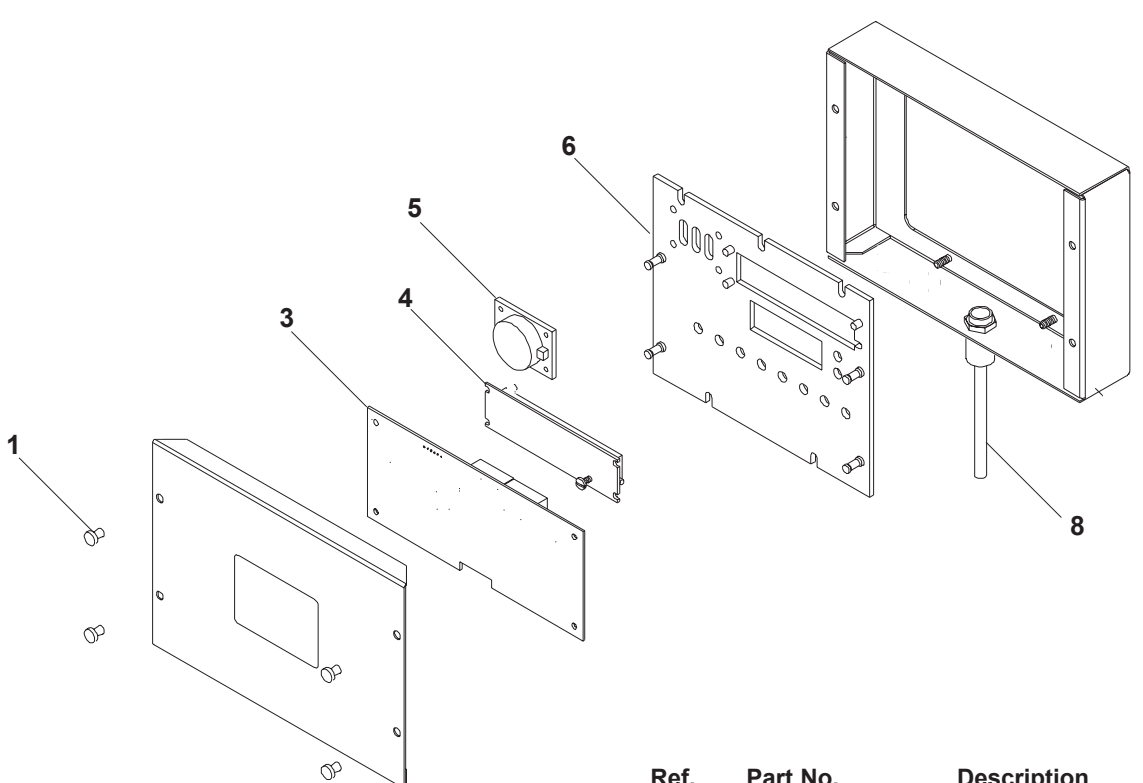
### FUNCTION NAMES

BAKE MORE	COOK DUTY3	FOLD	MIX	SIDE1	POTATE WED
BASTE	COOK MORE	FRY	POACH	SIDE2	FISH
BRAISE	COVER	FRY MORE	POUR	TURN	-----
CHILL	DISCARD	GRILL	REMOVE	WHIP	
COOK	DONE	GRILL MORE	ROTATE	SPICY CHIKN	
COOK DUTY1	DROP	HOLD	SEAR	CHIKN PATTY	
COOK DUTY2	END	HOLD DUTY	SHAKE	SUPREME CH	

## Troubleshooting

PROBLEM	CAUSE	SOLUTION
No display or indicators lit.	Unit unplugged. Store circuit breaker blown. Inoperable transformer. Inoperable circuit board.	Plug unit in. Reset circuit breaker. Replace power supply board. Replace main circuit board.
Absence of audio alarm.	Inoperable speaker. Inoperable circuit board.	Replace speaker. Replace main circuit board.
Unit will not enter program mode.	All channels are still counting down. Inoperable logo switch.	Wait until channels are in stop mode. Replace switch panel.
Unit enters program mode but cannot change times.	The channel is still counting down. Inoperable arrow button. Inoperable circuit board.	Wait until channel is in stop mode. Replace switch panel. Replace main circuit board.
Unable to start, stop or store timer presets in program mode. Missing or abnormal characters in displays.	Inoperable circuit board.	Replace switch panel. If problem persists, replace main circuit board.

**Parts List and Exploded View**



Ref.	Part No.	Description
1	69-079S	Rivet, Plastic (Pkg. of 2)
3	840-199S	Main PC Board
4	71-142-02S	Display Board
5	88-653-2-4SA	Speaker Assy
6	840-097S	Switch Panel & Overlay assy.
8	72-377S	Power Cord
-	85-101-04S	Power Supply, 12V (not shown)

**Cleaning**

Do not allow grease to build up on the timer.  
Wipe timer daily with a clean, damp cloth.

**⚠ CAUTION**  
Do not use abrasive or chemical cleaners on the timer or damage to overlay may occur.

## Wiring Diagram

