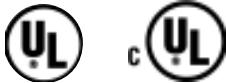


OPERATING INSTRUCTIONS

Multi Function Grill Timer Model No. 835-GT2 Series



Prince Castle's Merlin Timers are simple to program and easy to use. The push of a button activates each channel. An audible alarm and flashing channel button alert the operator when timing is complete. The 835-GT2 functions include: sear, turn, and remove. An LED will light and show the function being timed.

SPECIFICATION

835-T Series

Width	10" (25.4 cm)
Depth	3 ³ / ₄ " (9.52 cm)
Height	3 ³ / ₄ " (9.52 cm)
Shipping Weight	6lbs. (2.72 kg.)

Dimensions

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LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of two (2) years from date of original installation, not to exceed 30 months from date of shipment from our factory. Any part or component which proves to be faulty in material and/or workmanship within the warranty period will be replaced or repaired without cost to the customer for parts or labor (at the option of Prince Castle, Inc.).

This warranty is subject to the following exceptions/conditions:

- Any use of non-genuine Prince Castle spare parts voids this warranty.
- All labor shall be performed during regular working hours. Overtime premium will not be covered.
- Damage caused by carelessness, neglect, and/or abuse (e.g., using wrong current, dropping, tampering with or altering electrical components, or improper cleaning) is not covered by the terms of this warranty. Equipment damaged in shipment, by fire, flood or an act of God is not covered.

ELECTRICAL

835-GT2	835-AF	835-AJ
110-220 Volts	220-240 Volts	100 Volts
60Hz	50 Hz	50-60 Hz
Single phase	Single phase	Single phase
8 Watts	8 Watts	8 Watts

INSTALLATION

1. After you have removed the timer from the carton, inspect the unit for signs of damage. If there is damage to the unit:
 - Notify carrier within 24 hours after delivery.
 - Save carton and packing materials for inspection purposes.
 - Contact the Prince Castle Customer Sales Department at 1-800-722-7853 to arrange for a replacement to be sent.
2. Verify that all parts have been received.



CAUTION: Solid state components in this product are designed to operate reliably in a temperature range up to 150° F (65.6°C). When installing it should be confirmed that the ambient temperatures at the mounting sight do not exceed 150°F (65.6°C).

3. Mount brackets (2) at desired location. Scribe location of mounting bracket holes and center punch. Drill holes with a No. 29 (3.70 mm) drill and thread hole with a # 8-32 tap.

IMPORTANT: After drilling one hole, attach timer to bracket so the second bracket can be mounted in the proper location. See figure 1.

figure 1



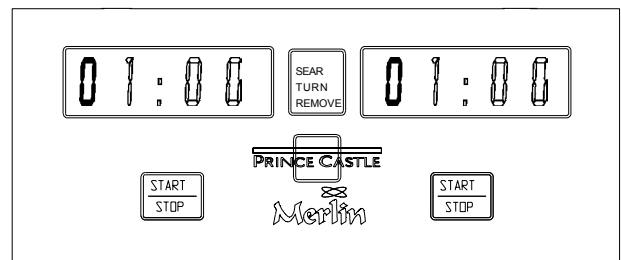
4. Plug timer into proper voltage receptacle.

IMPORTANT: This should be a dedicated outlet. No other equipment should be operating on this line (i.e. fryers, refrigerators, cash registers, etc.)

PROGRAMMING

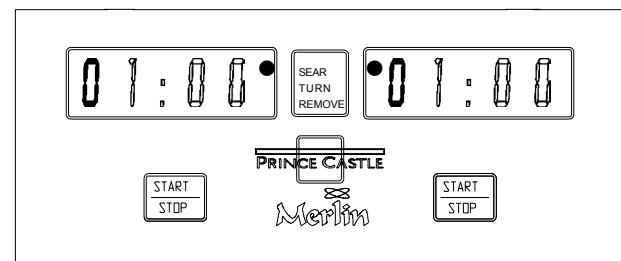
1. Press and hold **PRINCE CASTLE LOGO** for 5 seconds. The display will become brighter, a tone will sound, and the left most digit on both displays will flash. The times for the three functions: **SEAR**, **TURN**, and **REMOVE** can now be set. (One at a time) Factory preset times are: Sear 15 seconds, Turn 1 minute, Remove 1 minute. See figure 2.

figure 2



2. The LED light that corresponds to the **SEAR** function will be lit. The **SEAR** function time can now be set. See figure 3.

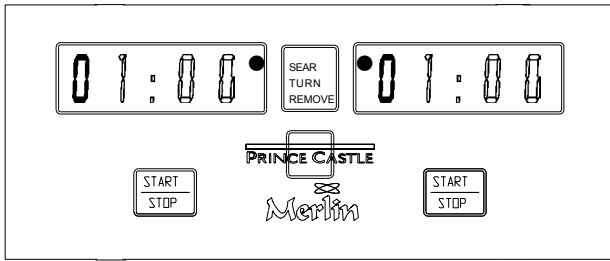
figure 3



IMPORTANT: **SEAR** and/or **TURN** function can be set at 00:00 if not desired.

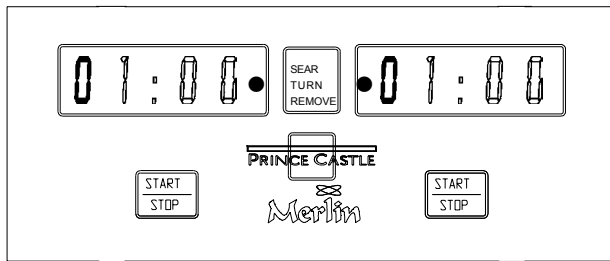
3. Push the **START/STOP** to change the flashing digit under the display until the desired number is reached. See figure 4.

figure 4



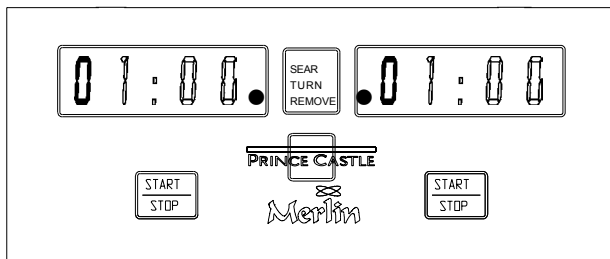
4. Push the **PRINCE CASTLE LOGO** to advance a digit (digit will start flashing).
5. Repeat steps 3 and 4 for all four digits.
6. When all four digits are set to the desired time, press the **PRINCE CASTLE LOGO** to move to the next function. The LED will switch to **TURN**. See figure 5.

figure 5



7. Repeat steps 3, 4, 5, & 6 to set desired times for **TURN** and **REMOVE** functions.
8. After setting the **REMOVE** function press **PRINCE CASTLE LOGO** and the unit will return to the **RUN MODE**. The unit is ready for operation. See figure 6.

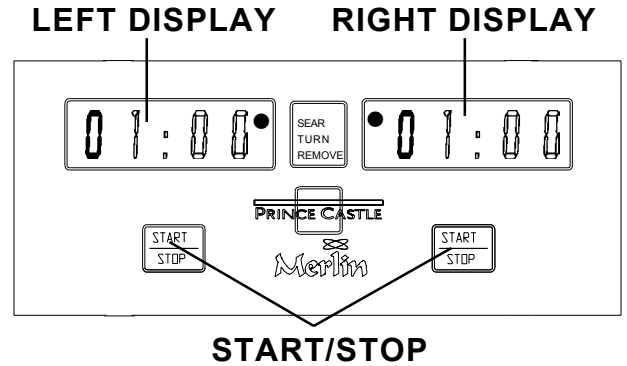
figure 6



OPERATION

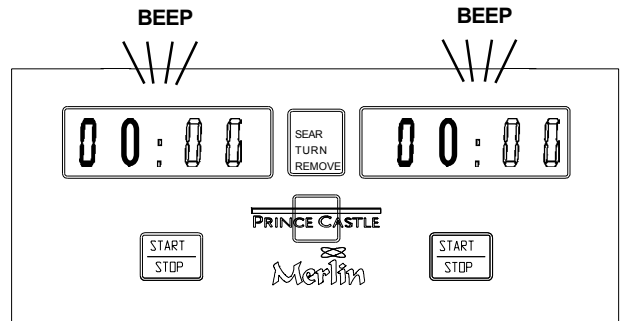
1. Press **START/STOP** under the desired display. See figure 7.

figure 7



2. When the time reaches **00:00** for each function a two toned alarm will sound. To cancel the alarm, press the **START/STOP** square. The timer will automatically start counting down the next function after the previous function sounds regardless of when sound is cancelled. See figure 8.

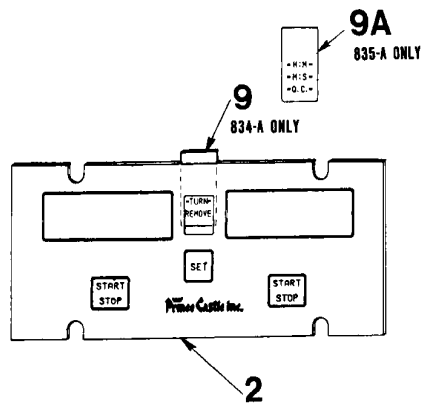
figure 8



3. When pressing the **START/STOP** square for the remove alarm, the timer will go back to the sear function, the display will be at half brightness, and remain inactive until pressed again.

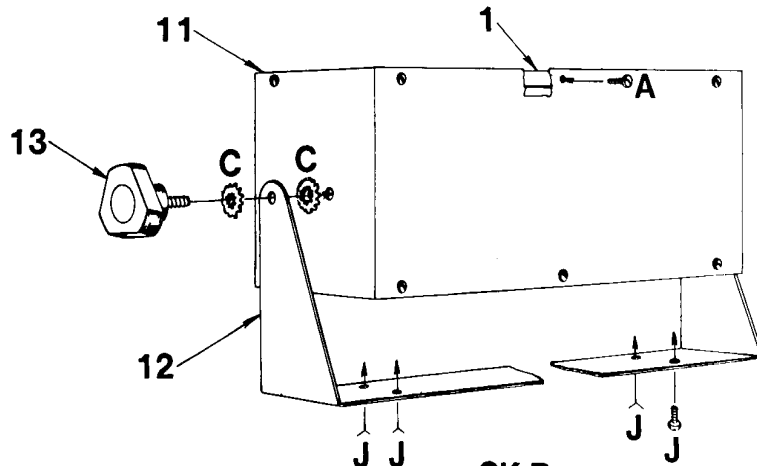
IMPORTANT: Pressing the **START/STOP** square during a cooking sequence while an alarm is not sounding will cancel the sequence.

EXPLODED VIEW



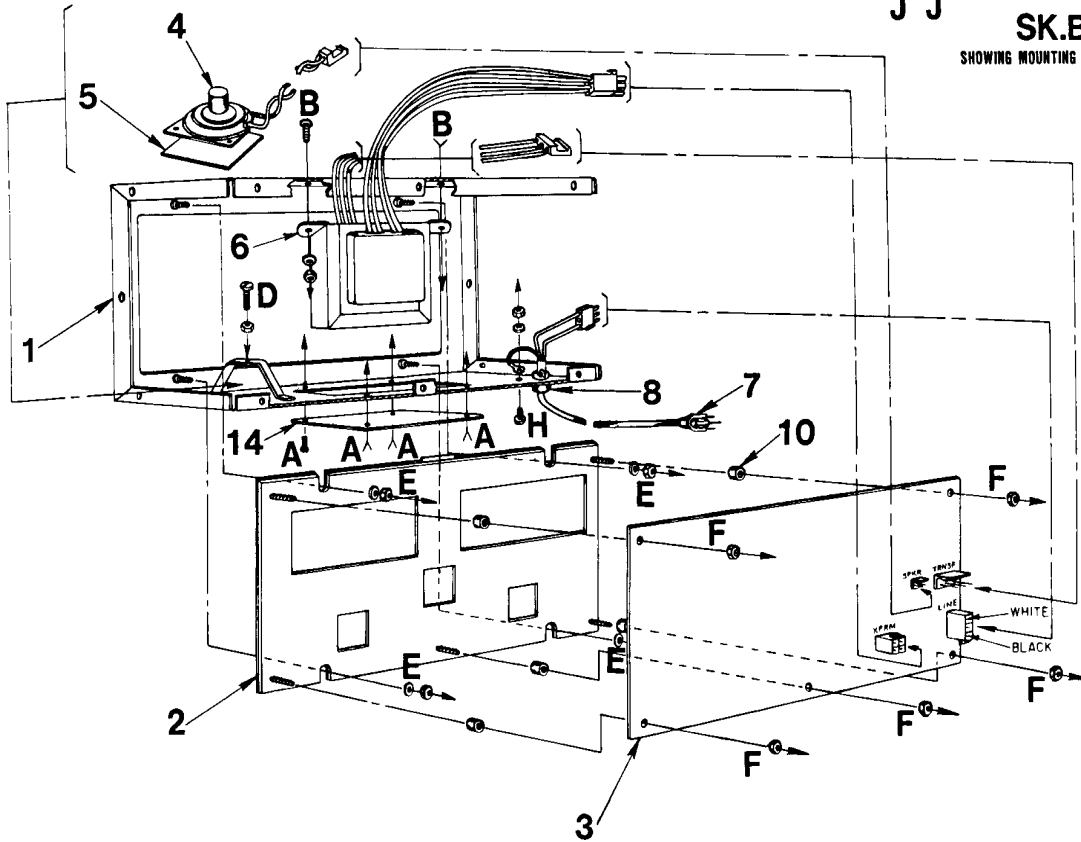
SK.A

SHOWING FRONT PANEL ASSEMBLY WITH FUNCTION STRIP



SK.B

SHOWING MOUNTING HARDWARE



IMPORTANT: Timer must operate on a dedicated outlet. No other equipment should be plugged into this outlet (i.e. refrigerators, cash registers, etc.). If unit malfunctions the customer should unplug it for approximately ten seconds. If malfunction exists, and the Troubleshooting Chart on the next page is of no help, the printed circuit board should be replaced by a qualified technician.

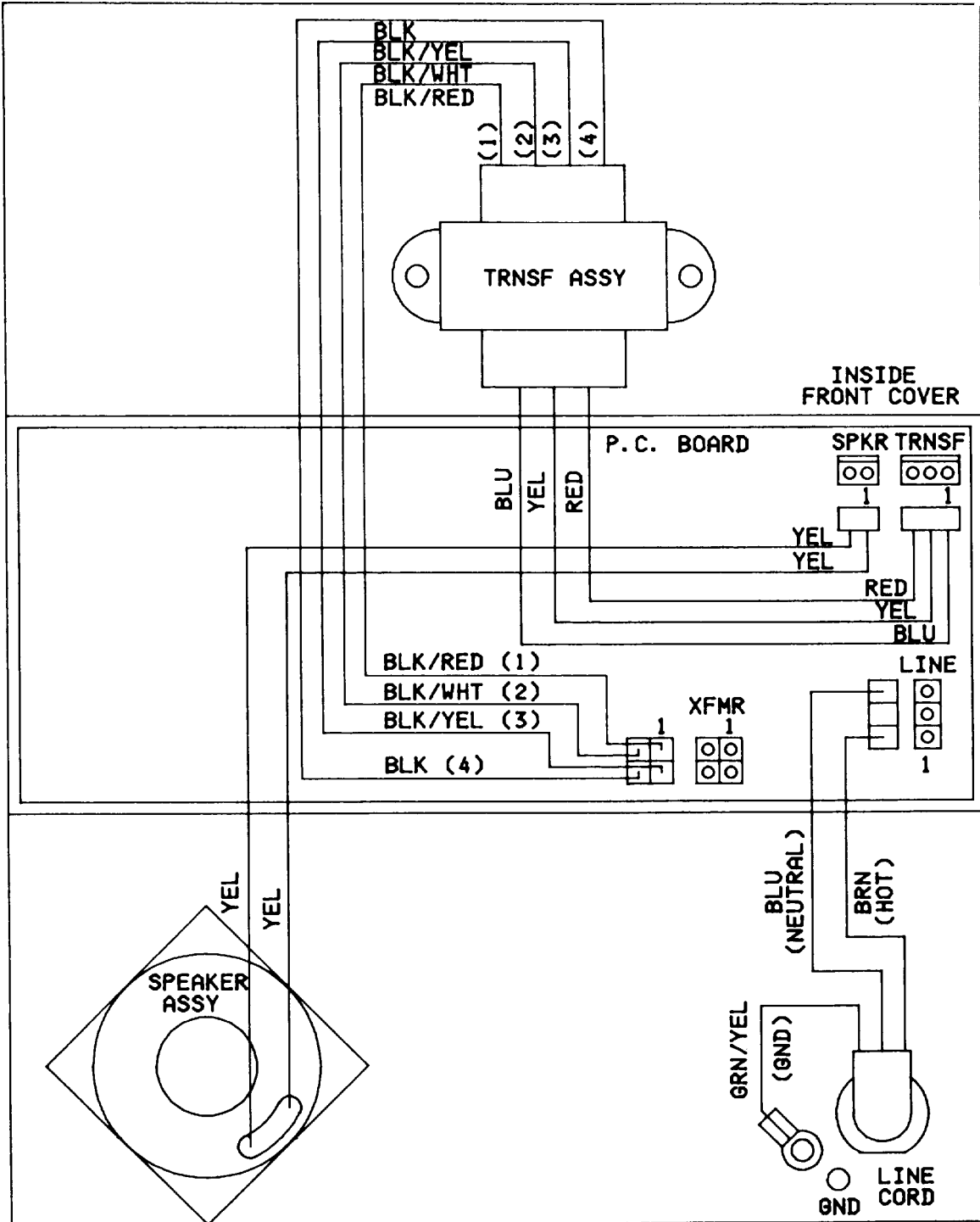
PARTS LIST

ITEM	PART NO.	DESCRIPTION	ITEM	PART NO.	DESCRIPTION
1	836-9	Front Cover	A	76-405	Pan Head Screw
2	836-5	Front Panel/Switch Assy	B	76-043	Pan Head Screw
3	835-9S	P.C.Board Assy		79-012	Washer
4	828-23S	Speaker Assy.		73-021	Hex Nut
5	482-18	Speaker Grease Seal	C	79-079	Washer
6	307-76S	Transformer Assy.	D	76-044	Binder Head Screw
7	72-091S	Power Cord		76-013	Self Locking Hex Nut
8	66-006	Strain Relief	E	73-015S	Self Locking Hex Nut (Pkg of 12)
9	834-3	Function Strip (835-GT2)		79-057	Flat Washer
10	89-766	Spacer	F	73-015S	Self Locking Hex Nut (Pkg of 12)
11	835-2	Back Cover	H	76-051	Binder Head Screw
12	752-6S	Mounting Bracket		79-002	Washer
13	70-039	Knob		73-031	Hex Nut
14	834-9	Cover Plate	J	76-043	Binder Head Screw

TROUBLESHOOTING CHART

PROBLEM	CAUSE	SOLUTION
No displays or indicators lit.	Unit unplugged.	Plug unit in.
	Stores circuit breaker blown.	Reset breaker.
	Loose transformer connection.	Reconnect transformer to TRNSF Plug on Circuit Board or replace transformer wire crimp in connector
	Inoperable transformer.	Replace transformer.
	Circuit inoperable.	Replace circuit board.
Absence of audio alarm.	Loose speaker connection.	Reconnect apeaker to SPKR plug on circuit board or repair speaker wire crimp in connector.
	Inoperable speaker.	Replace speaker.
	Circuit board inoperable.	Replace circuit board.
Unit will not enter program mode.	Both channels are still counting.	Wait until channels stop.
	Circuit board inoperable.	Replace circuit board.
Unable to start, stop, or store. Timer presets in program mode. Missing or abnormal characters in the display.	Circuit board inoperable.	Replace circuit board.

WIRING DIAGRAM



IMPORTANT ELECTRICAL INFORMATION: This power cord has international colored wires. Refer to this chart when replacing your cord.

INTERNATIONAL	DOMESTIC	WIRE TYPE
BLUE	WHITE	NEUTRAL
BROWN	BLACK	HOT
GREEN/YELLOW	GREEN	GROUND
BLACK	RED	HOT