

INSTALLATION INSTRUCTIONS FOR SUPPLYING DEMAND 31645420 RANGE OVEN CONTROL BOARD PART NUMBER SD31645420



WARNING! Electrical Shock Hazard

To avoid risk of electrical shock, personal injury or death; disconnect electrical power before servicing.

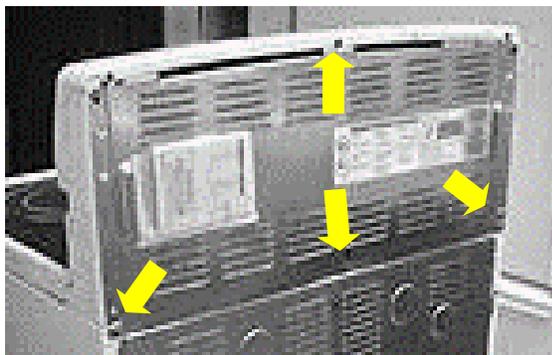


1. Is this control board compatible with your model?
If you are not sure, skip to Page 3, Step 17.

2. Disconnect power to the range by unplugging the unit from the wall or flipping the breaker. You may use an electrical testing tool or meter to ensure power has been safely disconnected.

3. To access the control board, you will need to remove the access panel on the back of the control panel. This may require pulling the stove forward and you may need an additional person to assist you. Be mindful of your flooring to prevent scratches on laminate/hardwoods or tears in vinyl.

4. **Wear gloves. Panel edges may be sharp.** Unscrew mounting screws to release access panel. Models may differ slightly, so the location and number of mounting screws may vary. Removing the access panels screws is necessary to remove the panel to gain access to the control board.



5. The control board is mounted to the range panel by four (4) screws. **Do not unscrew these yet.**



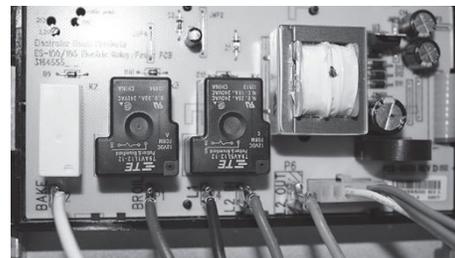
6. ***** IMPORTANT *****

When disconnecting wires from the original board and reconnecting them to the new control board, be sure to connect the wires to the same terminals. Connecting the wrong wire to the wrong terminal could cause electrical shock or personal injury when board is energized. If you do not have experience with these installation procedures, please contact a service professional.

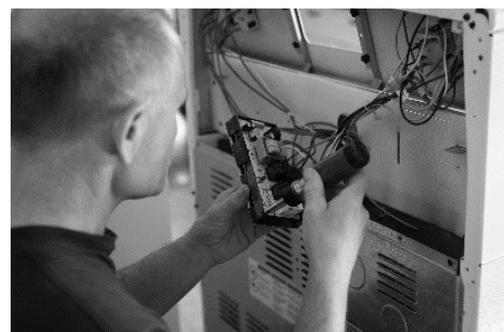
Take a picture, use the guide below, or the worksheet on Page 4 to record the color of each wire and the associated terminal.

LABEL	TERMINAL	WIRE COLOR
BAKE	P2	
BROIL	P1	
L1	P4	
L2-IN	P5	
L2-OUT	P6	
J1	J1	

Installation Worksheet included on Page 4



7. You may now remove the four (4) control board mounting screws to detach the control board from the range panel.



8. Overlay Removal and Reapplication

The new control board **does not** include the overlay. The overlay features a removeable adhesive backing that allows it to be removed and reapplied.

CAREFULLY peel away and remove the overlay from the original control board and reapply to the new control board. If the adhesive will not reapply or it is damaged, you may need to purchase a new overlay.

Line up the overlay to the corresponding buttons on the control panel and press firmly to reapply.



9. ***** STOP AND CHECK YOUR WORK *****

•	Are the terminals connected to the correct terminals?
•	Are the terminals connected securely?
•	Are any terminals loose? If so, disconnect and gently tighten connector with pliers. Reconnect.
•	Visually inspect the wiring going to the control board and make sure the wiring is not frayed or cut.
•	Any exposed wiring will need to be repaired or replaced.
•	Ensure all terminals are tight and connected to the proper terminal designations on the new control board.
•	Inspect the area before reattaching rear access panel and remove any hazards.

10. Mount the new control board to the range panel by the four (4) mounting screws.



11. Safely route or secure range wiring. Ensure wiring does not become pinched when reattaching rear access panel. Panel edges and screws are sharp and can easily puncture wiring which can cause an electrical hazard. Be mindful when reattaching rear panel to ensure wiring is secured.

12. You may now plug the range back in to the range outlet.

13. Carefully push the range back into place and secure to anti-tip bracket, if equipped. If not equipped, it is recommended that ranges be secured to the wall or flooring with an anti-tip device.

**Example: Part Number 316112005*

14. If you turned off the breaker, you may now turn the breaker back on.

15. Installation is complete. The control board is ready. You may now set the clock and use the range.

16. If you are experiencing similar issues with your range or oven after replacing the control board, this may indicate underlying issues or may have been a partial or inaccurate diagnosis. If the bake or broil element is not working properly, those can be easily tested for continuity after turning off the breaker, removing the element, and testing for continuity with a meter. Some models are also equipped with a temperature sensor, which can cause inconsistent temperature issues if faulty.

**Example: Part Number 316217008*

**Example part numbers are for part reference only and should not be installed until model compatibility has been verified, as some models may use different anti-tip brackets or sensors.*

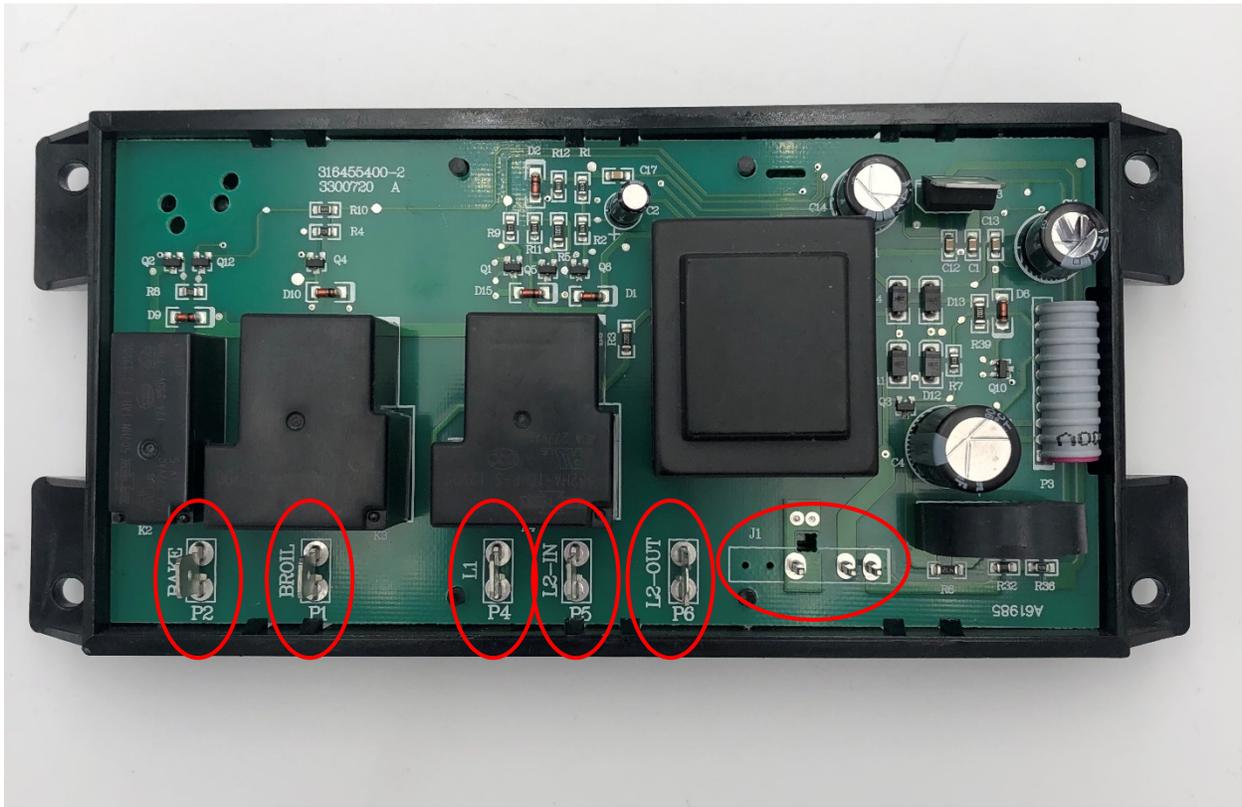
17. Compatible Model Numbers include, but are not limited to:

- If your model is listed below, proceed back to Step 2.

790.90033500 790.90033502 790.90033503 790.90033504 790.90043600 790.90043601 790.90112010
790.90112011 790.90112012 790.90112013 790.90113010 790.90113011 790.90113012 790.90113013
790.90119010 790.90119011 790.90119012 790.90119013 790.90830600 790.90830601 790.90830602
790.90830603 790.90830604 790.90830605 790.90830606 790.90830607 790.90831600 790.90831601
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790.95032503 790.95032504 790.95032505 790.95033500 790.95033501 790.95033502 790.95033503
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790.95034503 790.95034504 790.95034505 790.95039700 790.95039701 790.95039702 790.95042500
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790.92552810 790.92553810 790.92559810 790.92612810 790.92613810 790.92619810 790.93002310
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790.93013317 790.93019310 790.93019311 790.93019312 790.93019313 790.93019314 790.93019315
790.93022310 790.93022311 790.93022312 790.97013510 790.97013511

NOTE: If you do not see your model number listed and believe this control board is compatible with your model, please contact customer support for further compatibility verification assistance. This control board is model-specific and should only be installed on compatible models.

INSTALLATION WORKSHEET



LABEL	TERMINAL	WIRE COLOR
BAKE	P2	
BROIL	P1	
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L2-IN	P5	
L2-OUT	P6	
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