

## Harman Stove Set-back kit

Fred;

Here are all the parts you should need to go with your night thermostat.

1. Unplug the stove.
2. Ground one hand to the stove to prevent static electricity build up. With the other hand remove the thermistor sensor wires from the connector. Always do this when contacting any of this wiring - static can wipe out the control board.
3. Install the two brass colored adapters into the connector on the stove.
4. Connect one wire from the sensor to one of the brass adapters - connect the remaining wire to the other adapter. At this point your stove is normal.
5. Remove either one of the two wires connected to your thermostat - replace it with the red spade lug on the enclosed potentiometer assembly.
6. Use the gray wire nut to connect the wire you removed to the white wire with the bare end, from the assembly.
7. At the stove end of the thermostat wires - install one of the blue spade connectors on each wire. If you don't have a crimp tool try your auto mechanic or stove mechanic - they should be able to install them for you.
8. There should one free lug on each of the two brass adapters - plug one thermostat wire to each one.
9. Double check - there should be one wire to each adapter from the room sensor and one wire to each adapter from your setback thermostat assembly.
10. You are done ! Plug the stove in and fire it up.

## OPERATION

Program your thermostat to 90 degrees when you want SETBACK and to 50 degrees when you want the room sensor to control the stove. It is backwards, but that results in the proper switch closure for operation.

To DECREASE the amount of set back - use a small screwdriver to turn the white part of the potentiometer a VERY SMALL amount counter clockwise. To INCREASE the amount of setback turn the potentiometer a VERY SMALL amount clockwise.

The potentiometer is set at about 28000 ohms - that is where my stove drops back about 6 degrees - the included spare is set at about the same value. They plug into the brown socket - if you need you can easily replace them or adjust each for a different setback and swap them as needed.

It may take a few cycles to adjust the setback to where you would like it .

Good Luck ! Enjoy, and Happy New Year.

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Thermostat contacts open - Stove normal  
 " " Closed - Night temp.  
 Adjustable.

