



WESTMINSTER ROYAL SE UPGRADE KIT

1. INTRODUCTION

This kit enables the crossover of the Westminster Royal (1987- 1998) and Westminster Royal HE (1999- 2006) to be upgraded to SE (Special Edition) status, thus benefiting greatly from the most modern audiophile components and cables.

2. CONTENTS

| | | |
|-----------|------------------------------|-----|
| 7300 1138 | HF Crossover | x 2 |
| 7300 1139 | LF Crossover | x 2 |
| 7500 0565 | Lead Assy. To terminal panel | x 2 |
| 6445 0087 | Trim Plate West. Royal SE | x 2 |
| 6460 0144 | Badge West. Royal SE | x 2 |
| 4720 0004 | Badge Fixings | x 4 |

3. REMOVAL OF OLD CROSSOVER

- Remove back panel screws and lift out back panel. **WARNING:** It will probably be a very tight fit. Do not try and prise out, or cabinet damage will result- instead go round the outside of the panel, thumping it firmly with your fist, until it starts to move.
- Disconnect the wires to the terminal panel, and put back panel aside. Do not confuse the left and right loudspeaker back panels- they may not be interchangeable, due to the hand crafted nature of these cabinets.
- On HE models with an earth wire, retain this for later use.
- On the front of the cabinet, remove the 2 brass adjustment screws and retain.
- Remove the 4 x 2.5mm hex screws holding the brass trim plate in place, and remove trim plate.
- Remove the 6 screws holding the wooden panel and withdraw to reveal HF crossover assembly and unplug the 4 way connector from the rear of the drive unit. The assembly can now be removed from the cabinet completely.
- Separate the HF crossover board from the wooden panel, by squeezing the 6 push-fit fixings in turn.- they should be retained for mounting the new crossover panel. Retain the 2 black plastic trims.
- Remove the 4 screws holding the LF crossover to the top rear of the cabinet, and withdraw the assembly.

4. FITTING NEW CROSSOVER

- With reference to Figure 1, clip HF crossover panel to wooden mounting panel.

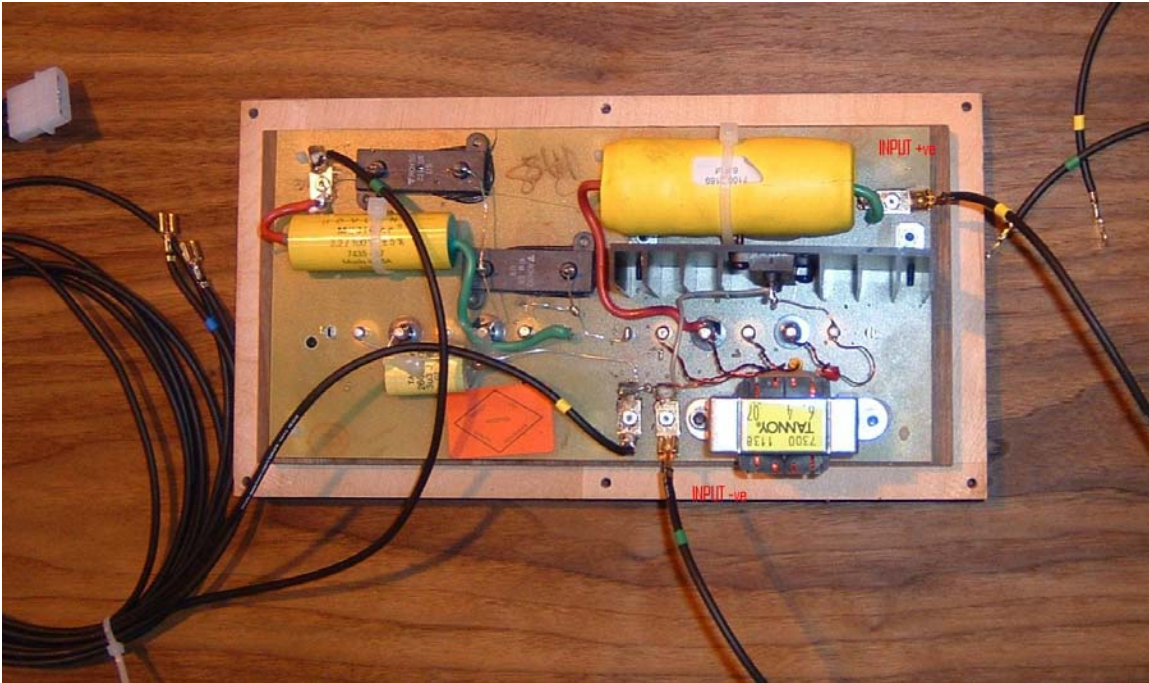


Figure 1

- Referring to Figure 2, pass the wires from the HF crossover board through slot in the lower part of the cabinet.

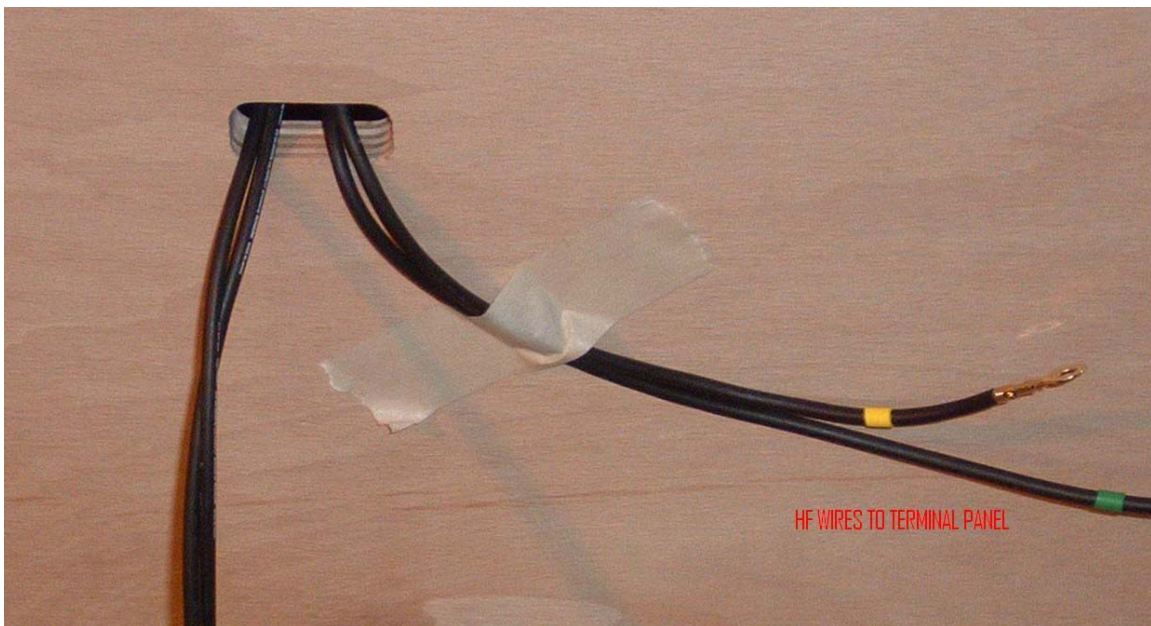


Figure 2

- Referring to Figures 3 and 4, mount the HF crossover assembly in the front of the cabinet. Note: on some cabinets the yellow 6.8u capacitor may interfere with a bracing block. If that is the case, carefully chisel away a section of the brace.



Figure 3



Figure 4

- Fit new trim panel to the HF crossover, together with the 2 brass adjustment screws and 2 black plastic trim pieces (Figure 5).



Figure 5

- Fix new LF crossover to top rear of cabinet, as shown in Figure 6.



Figure 6

- Fit brown and blue sleeved output wires to the LF crossover board as shown, brown to the left and blue to the right. Plug 4 way connector into rear of drive unit, ensuring a secure fit (Figure 7).



Figure 7

- Fit brown and blue input wires to the 2 remaining terminals on the LF crossover as shown in Figure 8, brown to the left and blue to the right.

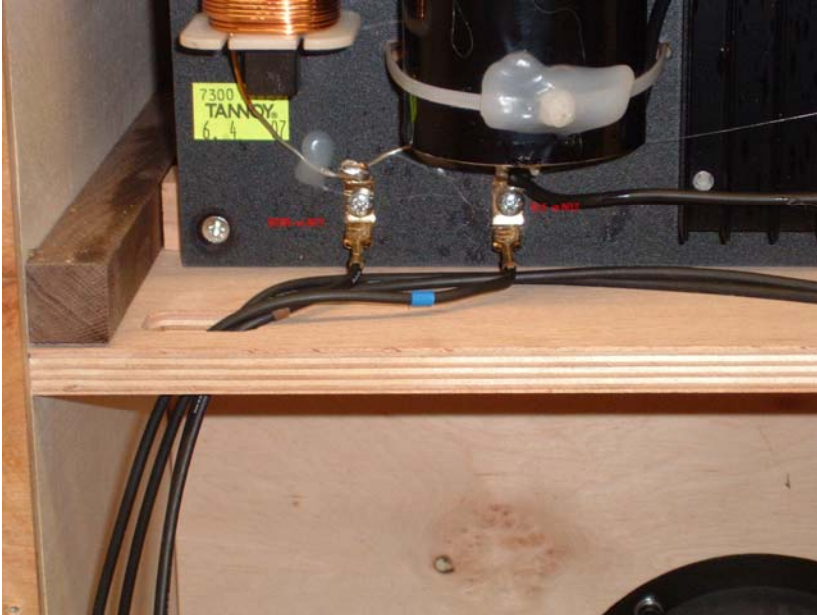


Figure 8

- Using cable ties (not provided), tidy wiring as shown in Figure 9.



Figure 9

- Next, the wiring should be connected to the terminal panel. The old terminal panel probably has 0.25 inch push-on connectors, whereas the new wiring has eyelet crimps. Remove eyelet crimps and either solder to the terminals or fit suitable 0.25 inch crimps (not provided).

The wiring colour code is:

Brown LF +ve

Blue LF -ve

Yellow HF +ve

Green HF -ve

Green/ yellow Earth (where fitted).

- Before refitting back panel, ensure both LF and HF sections are working, using a sine wave generator or music source.
- Finally, tap the old badge free from the badge retainers, and fit new badge using the new retainers provided.