



SWTR-4 & 4A, ST Instructions For Stern Games

Installation video <https://www.youtube.com/watch?v=9y3Gr-N3bVU>

Open the backbox (the key usually hangs inside the coin door) and remove the fluorescent tube. Then remove the speaker panel and place it on the base cabinet, a towel for padding is recommended.

Remove the 4-inch speakers and un-plug them at the intermediate (midway) connector. Install the new speakers using the new screws and nylon spacers below the speaker flange for support, or the standoffs provided. Replace any ground wires. Note: the speakers will not sound proper until installed on the speaker panel, DO NOT test in free air.

Install the L-Pad control on the right side of the cabinet below the florescent tube and above the speaker panel using two Philips head screws provided, if you are using an LED panel, mount it low enough as to not interfere with the light panel.

Unplug the speaker connector from the sound board and plug the wire with the plug from the L-Pad into it. You can leave the old wiring in place. Connect the 4 pin (SWTR-4, 4ST) or 5 pin (STWR-4A) plug onto the sound board. Observe the locking tabs for proper connection. Route the long wire into the base cabinet for the subwoofer and connect the lighter gauge speaker wires to the backbox speakers. The longer of the two goes to the left speaker. Reinstall the speaker panel only.

Remove the lock down bar and glass. Remove the pinballs and tilt up your playfield. Carefully remove the base cabinet speaker. You can desolder or clip the wires and take it out of the cabinet.

Install the subwoofer on the studs being careful not to damage the cone or surround. Install the nuts and snug them. Plug the leads from the backbox onto the subwoofer board. The Red lead goes on the lug marked +. Black to the "-". If there is a ground wire for the speaker frame, re-connect it.

Close up the base cabinet and turn on the game. Adjust the volume of the game up from were you normally used it and turn down the backbox speakers for a moderate volume. The sound from the base cabinet speaker is adjusted with the master volume control on the coin door and then reducing the backbox level with the L-Pad to balance the sound. Once you achieve a satisfactory balance between the base cabinet and backbox, the coin door control is used to set the overall volume up or down for daily play. If the cover glass rattles with the bass, anti rattle tape is available at www.pinballpro.com part number AR-1.

Re-install the florescent tube and close the backbox with the glass and re-check the sound balance. A small adjustment may be necessary with all the covers in place.