

Replacement of the Watkins Stereo Component Cable Assembly

This instruction outlines the procedure for replacing the Speaker or Subwoofer Cable assemblies used in the Watkins Spas with stereo systems.

Tools Required:

Safety Glasses	Phillips Screwdriver
A ball of string or twine	Masking Tape
Safety Glasses	Thin Metal Blade - Putty Knife
Phillips Screwdriver	Box – to rest the Stereo/Power Supply/Dry Dock
Clean Towel or Rag	<i>Note: 3oz Clear Silicone included in the kit</i>

Safety Requirements: *Safety Glasses must be worn at all time during this procedure.*

In order to replace the cable assembly harness, it is necessary to expose all of the Stereo System components.

Turn the power off to the spa.

Disconnecting the Pop-Up Speakers

On the bartop:

1. Make sure the water line is below, i.e. 4 ½ - 6 inches, the bartop (normal water level).
2. Using a thin metal blade, i.e. a putty knife, gently pry around the edges of the speaker bezel. It is necessary to break the bezel in order to free up the speaker. **Note: Do not push the pop-up button because it will eject the entire assembly.**
3. If applicable, remove the four screws that hold the speaker in place.
4. Remove the speaker, any silicone, and speaker cable from the opening in the shell.
5. Disconnect the speaker cable from the cable assembly harness at the connector and attach a 25-foot length of string at the cable assembly harness connection.

IR Speaker Removal – IR speaker is used in conjunction with the remote

6. For the IR speaker, it is necessary to locate the IR Interface Box on the cable assembly harness. Disconnect the IR Sensor Cable and attach a string that is at least 25 feet long. See Figure 1.
7. Remove the speaker as described above and pull the IR Sensor Cable out until the string is exposed. Disconnect the cable from the string and tape the string to the bartop.

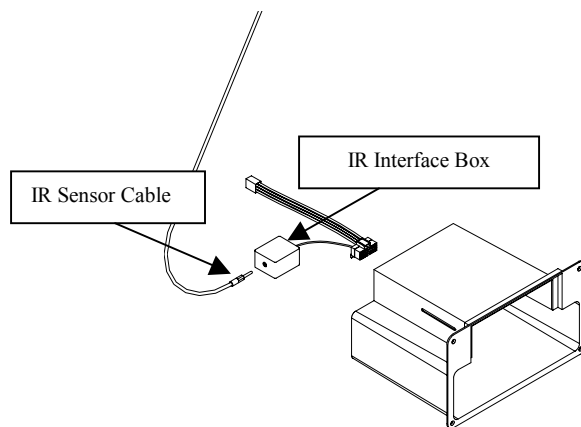


Figure 1

Disconnecting the Subwoofer

8. Remove the back panel:

Note: Two people may be required to remove the back panel.

Remove the screws securing the back panel to the spa. Set the panel aside.

9. The subwoofer is located in a box that is on the floor. See Figure 2.
10. Inside the box, loosen the screws that secure the subwoofer's straps.
11. Expose the underside of the subwoofer and unplug the power cable assembly. Attach a 25-foot length of string to the cable assembly harness at the connector. See Figure 3.

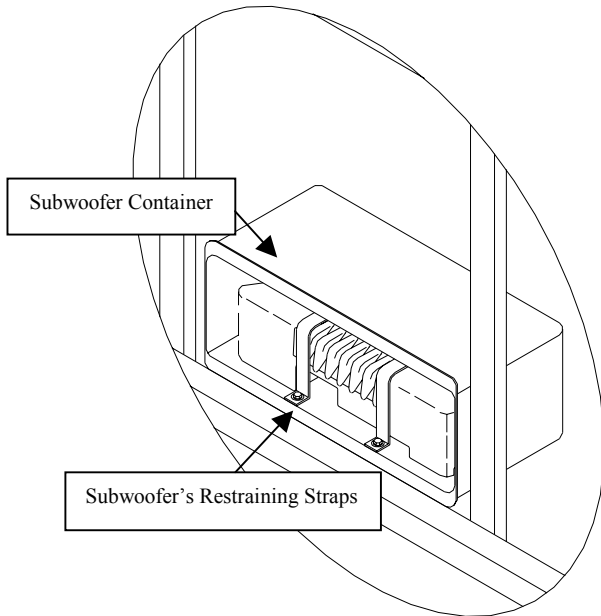


Figure 2

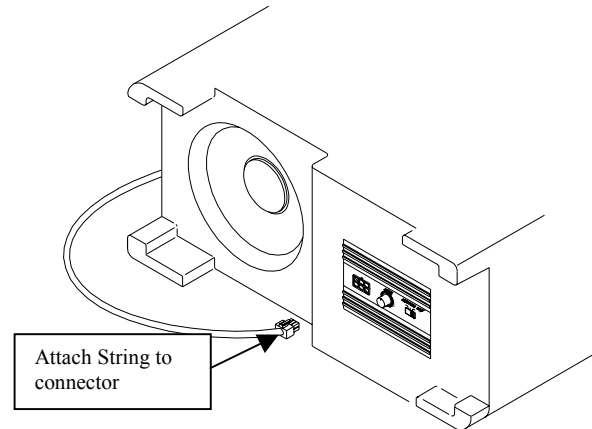


Figure 3

Removing the Dry Dock Housing

12. Lift the Dry Dock Housing Cover and remove the four screws, one in each corner that secure it in position against the panel. Set the cover aside. See Figure 4.
13. Slide the unit out of its mounting. It is recommended that a box be located close to the panel to rest the unit on. After pulling the dry dock out, disconnect the cable assembly harness assembly from the back of the unit. See Figure 5

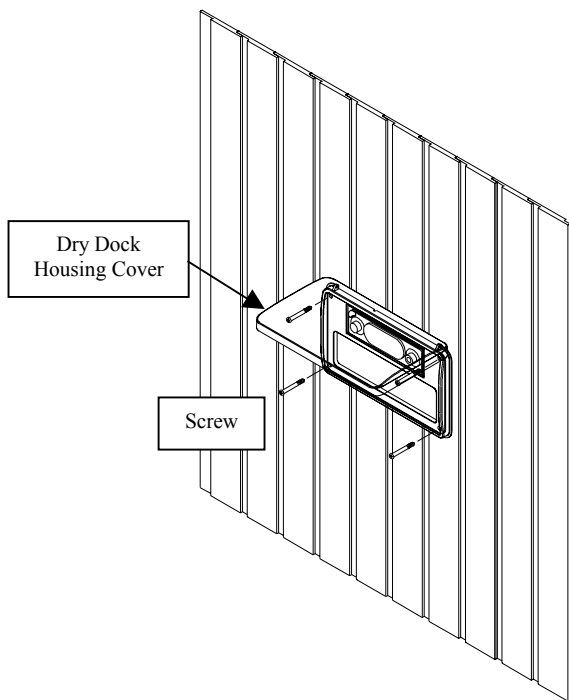


Figure 4

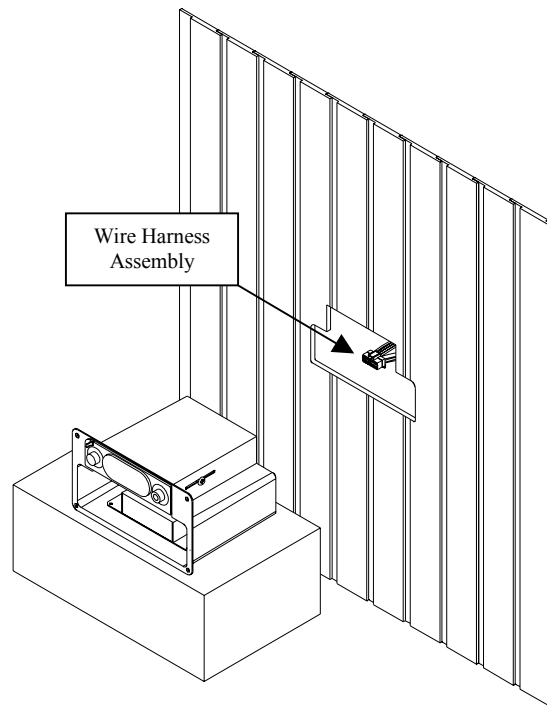
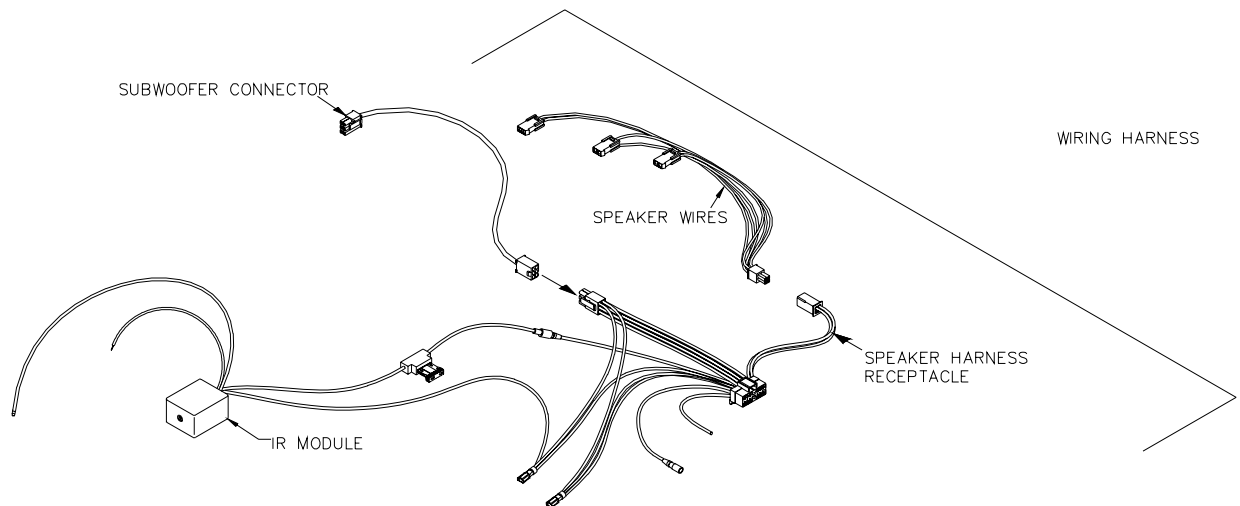


Figure 5

14. At the appropriate harness receptacles, disconnect the cable assembly. Gently pull it through the vinyl tube. Disconnect the string and tape it to the end of the vinyl hose or other handy place.



Installing new cable assembly

15. To install the new cable attach the string to the end of the component's cable and at the component end of the string, gently pull the new cable assembly through the vinyl. **Note: It may be necessary to have someone push the cable assembly while it is being pulled through the vinyl tube.**
16. Connect the cable assembly to the component.
17. Power up the spa and ensure that the system is functioning properly.

Re-Installing the Pop-Up Speaker

1. Plug the new speaker cable into the main harness speaker cable at the connector.
2. Align the speaker up with the opening.
For the IR Speaker
 3. Remove the string that is taped bartop and attach it to the IR cable. Pull the cable back to the wire harness.
 4. Plug the IR cable into the IR connector.
5. Rest the speaker in the location where it will be installed.
6. Apply power and verify that the speaker is functioning properly.
7. Place a 1/8" bead of clear silicone to the lip area of the speaker.
8. Plug the cable into the main harness at the connector, fit the speaker into the shell opening, and press down evenly to secure in place.
9. Install the four screws.
10. Use the clean towel or rag to remove any excess silicone from the area.
11. Snap the bezel onto the speaker.
12. Inform the spa owner to wait 24 hours before using the spa to allow the silicone to dry completely.

Re-Installing the Subwoofer

1. Plug in the power cable.
2. Screw the restraining straps in place.
3. Replace the back panel.

Re-Installing the Dry Dock

1. Power up the spa and test the stereo
2. Place a 1/8" bead of clear silicone to the lip area of the Dry Dock.
3. Fit the Dry Dock into the panel opening, and press down evenly to secure in place.
4. Install the four screws.
5. Use the clean towel or rag to remove any excess silicone from the area.
6. Inform the spa owner to wait 24 hours before using the spa to allow the silicone to dry completely.