



GRAND PIANO 5 & 6-PART SYSTEM INSTALLATION INSTRUCTIONS

Tools Required: Cordless screwdriver or handheld nut driver with 1/4" hex head or #2 Phillips bit.
Optional Tools: Hacksaw, bolt cutters, chalk



List of Components:

Primary Dehumidifier 91cm
(5 & 6 Part System)



Secondary Dehumidifier 61cm
(6 Part System)

3-Light Panel



Humidifier assembly (Low Water Sensor, Smart Bracket, Humidifier Heater Bar, Watering Tube, Wicking Pads)

Humidistat with power cord.



Watering can



Hanger Rods



Bottle of Pad Treatment



Power Strip
(6 Part System)

Contents of Hardware Kit: (Green bag)

Assortment of small, medium, and large screws.
1/4" hex & #2 Phillips head



4 C-clips

Assortment of clamps



4 Hanger Rod Brackets

2 Half Clamps



Velcro®
Alcohol swab
Power cord tag
Assortment of twist and zip ties

INSTALLER

1. Carefully read and follow all installation instructions.
2. Do not place a Dehumidifier in the action of any piano.
3. The System will change the moisture content in the wood of the piano. Therefore, wait at least three weeks before tuning.
4. Inspect the power cord each time the piano is serviced and take necessary corrective action if any is found.
5. The Piano Life Saver System must be installed by a professional piano technician. Failure to do so will void all warranties, whether stated or implied.
6. The 5-Year Limited Warranty on the System covers parts only. Dampp-Chaser assumes no responsibility for any labor cost related to repairs or maintenance.

STEP 1. PLANNING THE INSTALLATION

Since there are so many different piano designs, you will need to exercise judgement on the placement of components from time to time. However, there are several critical measurements that must be followed at all times. Plan your installation with these criteria in mind:

1
The Humidifier tank should be as close as possible to the center of the soundboard.

2
The Humidistat must be located 15cm from the Humidifier tank.

3
In a 5 Part System the single Dehumidifier should be positioned 30cm from the Humidistat.

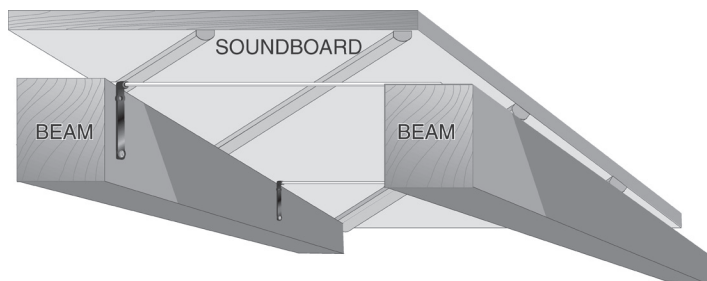
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In a 6 Part System, position the two Dehumidifiers equidistant from the Humidistat IF you cannot achieve the recommended 30cm spacing.

STEP 2. HANGER RODS

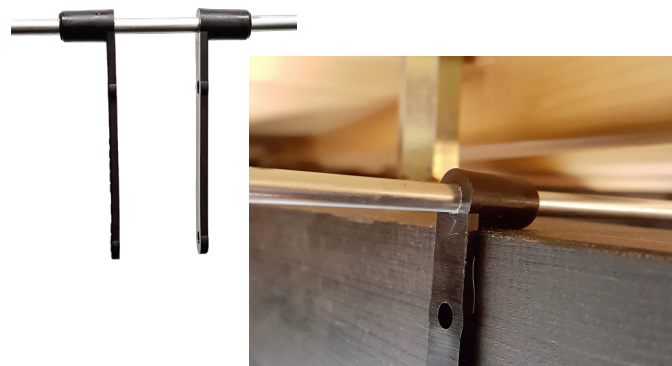
Check to see if you have adequate clearance on top of the beams for the hanger rods. They should not come in contact with the ribs. There are three possible methods for installing the hanger rods.

Method A * places the hanger rods on top of the beams. It is the preferred and most common method of installation. It allows the Humidifier tank to be tucked up as far as possible and provides the best moisture distribution.

Slide the hanger rod brackets onto the hanger rods. If you install them facing inward, the hanger rods will rest on the beams.



If they face outward, the hanger rods will have some clearance above the beams. Use whichever option you chose.



*If this method will not work in your situation, see back page for **Methods B & C.**

Lay the hanger rods over the beams and snap the baffle onto them. This assembly will serve as your template for determining the final mounting location. It will ensure perfect spacing between the hanger rods for installing the Humidifier tank.



Once you have decided on the mounting position, use the small screws to attach the brackets to the beams.

The Baffle must ALWAYS be securely installed. Failing to do so can result in localized over-humidification of the soundboard.

STEP 3. HUMIDIFIER TANK

All the components of the Humidifier assembly, except for the tank itself, are mounted to the piano via the Quick Release Brackets. Everything is held together for shipping by small wood dowels.



Quick Release Bracket

Remove and discard the dowels. Hook the assembly over the hanger rods, directly in the center of the baffle as shown.



To watch a short instructional video on the QR bracket, scan this QR code.

The Watering Tube is mounted to the back of one of the QR brackets. You may attach it to whichever end you chose and angle it to clear the baffle.



Drape the Pads over the Humidifier Heater Bar.



Raise the tank into position, making sure to hook the hanger brackets over the hanger rods outside of the baffle.



The rubber tips on the end of the Low Water Sensor should be left in place. They are there to prevent puncturing of the liner when installing the Humidifier tank.

STEP 4. HUMIDISTAT

The Humidistat should be placed as close as possible to the ribs without contacting them. A gap of 5mm is good. The two vent holes on the top right of the Humidistat must NOT be directly under a rib. They need unrestricted airflow.

Use the two large screws to mount the Humidistat to the beam as shown. If you wish, you can use the included Velcro® to hold it up during this process.

Plug the Low Water Sensor and Smart Bracket into their designated outlets on the underside of the Humidistat. Make certain to plug the **white** plug from the Humidifier Heater Bar into the **white** socket on the Humidistat.

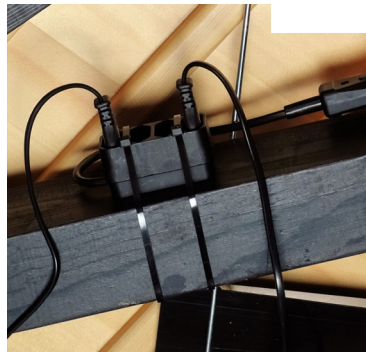
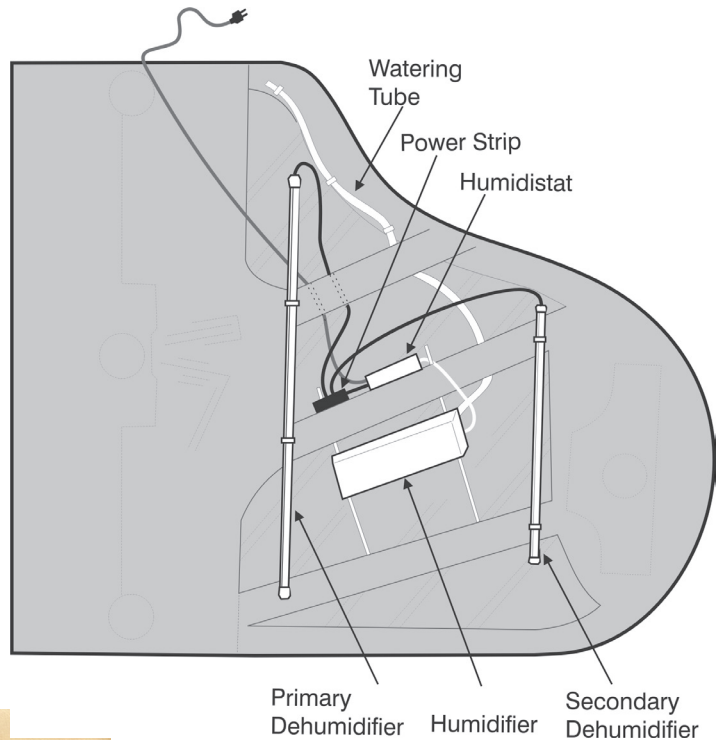


This picture shows an ideal location.

If you are installing a 6 Part System, plug the Power Strip into the Humidistat and attach it to the beam using large zip ties.

STEP 5. DEHUMIDIFIER(S)

Snap the C-clips onto the Dehumidifier rod(s) and hold the rods up to the underside of the piano in the location(s) shown. Slide the C-clips along the rod until they are under a beam. Mark the location and screw the C-clips into place using the small screws.



Snap the Dehumidifier(s) into the C-clips. Plug the Dehumidifiers into the Power Strip (6 Part System) or the designated outlet on the Humidistat (5 Part System).

STEP 6. LIGHT PANEL

Generally, the light panel is mounted under the keyboard on the treble side, but it may be mounted elsewhere if you choose. Use the medium screws.

It is important for the light panel to be readily visible. Do not mount it in a location where the piano owner will have to make a concerted effort to see it.



Secure the red PADS light cube using the special clamp and small screw in the separate kit. (above)

Run the cable from the light panel to the Humidistat and plug it into the designated outlet. Attach the cable to the piano using the smallest clamps and small screws. Make sure it does not come in contact with the Dehumidifier rods.

STEP 7. WATERING TUBE

For ease of access, the Watering Tube is mounted to the underside of the rim.

Route the Watering Tube from the end of the Humidifier tank to whichever side of the piano is most readily accessible by the owner, usually the curved side. You can loosen the clamp to angle the tube toward the side you want. Re-tighten the screw when you have achieved the angle desired. Route the tube over the beams and attach it to the underside of the rim using the small screws, one of the 1/2" clamps, and the two half clamps.



STEP 8. HOUSEKEEPING

Gather up any extra length in the various cables and bundle it using zip or twist ties. Use any remaining clamps to anchor the bundles neatly out of sight.

Ensure that you have all the components plugged into the appropriate outlet on the Humdistat and plug the Humidistat into a wall socket that is not controlled by a light switch. Wrap the STOP sticker around the cord.



Confirm that the System is functioning properly by looking at the light panel. The green POWER light should be on solid, while the yellow WATER light and the red PADS light should both be blinking. If anything else is happening, please recheck all connections and then contact Damp-Chaser tech support.

STEP 9. ADD WATER TO THE SYSTEM

Once you have confirmed that everything is installed properly, it's time to get the Piano Life Saver System up and running.

We recommend you use this part of the installation to educate the piano owner on the proper care and operation of the System. A good way to do this is to have them do the initial filling under your instruction.

First, have the piano owner fill the watering can up to the red line with water. Distilled water is preferable, but tap water can also be used.



After the can is full, have them add one capful of Damp-Chaser Pad Treatment to the water. Explain how filling the can with water first will prevent bubbles from forming. The bubbles can make the can difficult to empty.

Reach under the rim of the piano and unhook the watering tube from the half clamps. Insert the nozzle of the watering can into the watering tube and tilt the can forward so the nozzle is facing straight down. Make sure to hold the can at least as high as the lid of the piano.

When the watering can is empty, set it on the floor to allow any extra water in the curve of the tube to run back into the can instead of making a puddle on the floor. Disconnect the can from the tube and clip the tube back into the half clamps.

Do not use water that has been softened using salt. Salt water will react with aluminum, shortening the life of the System.

NEVER use anything other than **Damp-Chaser Pad Treatment®** in the System. Other humidifier treatments contain chemicals that will harm your customer's piano. Use of another brand of treatment voids the System's warranty and may also void the piano manufacturer's warranty.



STEP 10. CONFIRM PROPER FUNCTION

As soon as the System has been filled, the yellow WATER light will stop blinking. It may take several minutes for the red PADS light to stop blinking. If either light does not stop blinking within about ten minutes, confirm proper installation of all components and contact Dampp-Chaser tech support.

STEP 11. PIANO OWNER EDUCATION

Take a few minutes to ensure the piano owner fully understands what they need to do to when you leave. As well as knowing what to do when the lights blink, explain how the System should be serviced by a professional at least once a year.

Dampp-Chaser recommends you carry Pads and Pad Treatment with you at all times so you can provide your clients with the supplies their System requires.

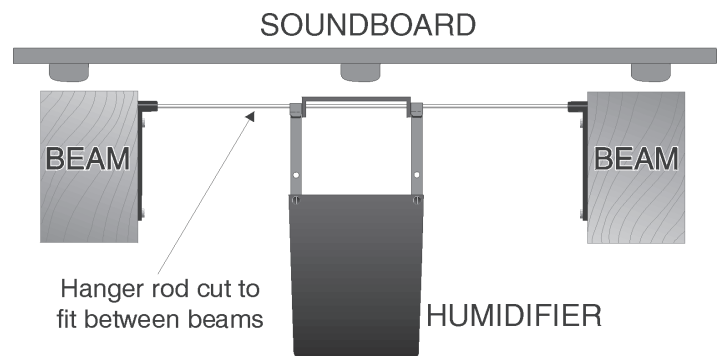
COMPLETE SYSTEM



For visibility sake, photographs of the HumidiPer tank assembly were taken without the liner in place. While it is included in the System, use of the liner is optional. It may be removed if you deem it unnecessary.

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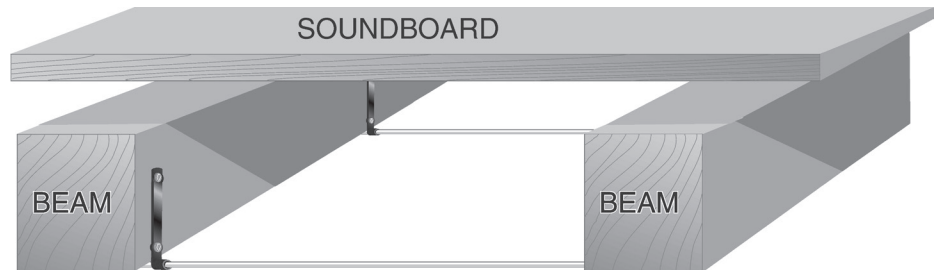
Method B places the hanger rods between the beams and is used in cases where there is inadequate clearance between the top of the beam and the ribs to allow the hanger rods to be installed, or if a tension resonator is present. You will have to cut the hanger rods in this situation. As in Method A, use the baffle as a template to ensure proper spacing. Continue with STEP 3 on page 3.



***See note below**

Method C places the hanger rods under the beams and is used on the rare occasion when the Humidifier tank and hanger rods must be mounted under the beams. An example of this would be a Bösendorfer that has a grid type beam structure. As in method A, use the baffle and hanger rod assembly as a template and mount the hanger rods to the beams as shown in the diagram.

This is the only method that requires the use of the screw hole in the center on the 6 hanger brackets.



Remove the hanger brackets that are positioned at the corners of the Humidifier tank (1). Slide them down and reattach, utilizing the hole in the middle of the bracket.(2)



***See note below**

***NEVER** use the upper holes if the Humidifier tank is mounted using methods A or B. This can put the soundboard at risk of damage from condensation.

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