



IMPORTANT
**Read through entire instructions
before starting.**

Installation Bulletin

H5020 Steel Mounting Base Installation Guide

If machines are mounted on bases not supplied by Continental Girbau Inc. or approved in writing by Continental's President, or if all printed installation, operating and maintenance instructions are not followed, the warranty is void.

It is extremely important that the installation guidelines are followed to ensure the maximum life expectancy of the washer-extractor. Any installation that does not meet these requirements should be upgraded to meet these specifications or premature failure may occur.

Note: For additional information regarding machine installation, operating and maintenance, please refer to the handbooks provided with each new machine. If handbooks are missing, contact Continental Girbau, Inc.

Floor Foundation

H-Series washers are soft mounted machines and therefore the stress transmitted to the floor is low. However the weight of the washer is considerable. Install the washer on a secure foundation capable of sustaining the washer's weight. The following foundation requirements should be met:

1. Concrete floors should be 3500-psi minimum.
2. The contact surface must be perfectly smooth and level so that the entire base is supported and rests on the mounting surface. An uneven base could cause the washer chassis to break or crack.
3. H-Series machines are not rated on floor thickness but rather floor structural specifications in accordance with STATIC, DYNAMIC and FREQUENCY ratings. Floor strength requirements are as follows:

Floor Strength Requirements

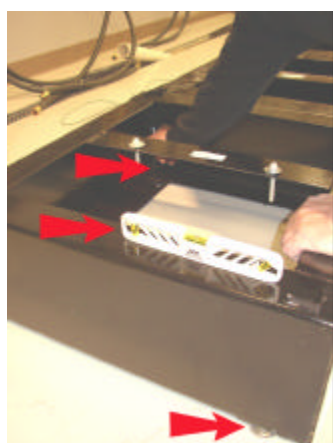
Model	Static lbs	Dynamic lbs.	Frequency Hz
H5020	340	115	16.2

Note: Never install these machines on suspended floors or above ground level without obtaining approval from qualified personnel (Structural Engineer for Building safety and noise transmission) Manufacturer refuses any responsibility for damage caused by vibration to building structure or equipment in these cases.

Base Installation

(Base should be mounted in same manner as a hard-mount washer-extractor. For ease of machine installation, base should be located so that when the machine is positioned on the base, there is a minimum of 2-1/2" from the rear of the machine to the bulk head.)

1. Position base on floor making sure to observe the working clearance for machine model being used. Place leveling washers between base and floor within 1" of each corner mounting hole in order to create a 1/2" minimum gap between base and floor. Place level on base from front to rear and side-to-side, add or take away leveling washers until base is completely level side-to-side. Base can be level front to rear or with slight pitch (1/4" bubble) to rear. (See figure A)



(figure A)

2. Mark the mounting holes of the base using drill through the base holes, magic marker, or scribe. (See figure A)
3. Once holes have been marked, remove base from area. Make sure the quantity of leveling washers remain the same for when base is set back over anchoring bolts to maintain the correct level of your base.
4. Using a hammer drill with masonry bit, drill the marked holes for the type of anchor you are using and place anchors in drilled holes. The anchor should have a minimum of 1 1/2" of threads above floor level. This will allow space needed for leveling washers, base frame and locking nut with washer.

Recommended minimum size of base mounting anchor bolts

Model	H5020			
Anchor size	1/2" x 5"			

Note: The most commonly used anchoring bolts are wedge anchors, J-bolts or epoxy anchors. Anchoring bolts must meet the stress requirements. Check with anchoring bolt manufacturer.

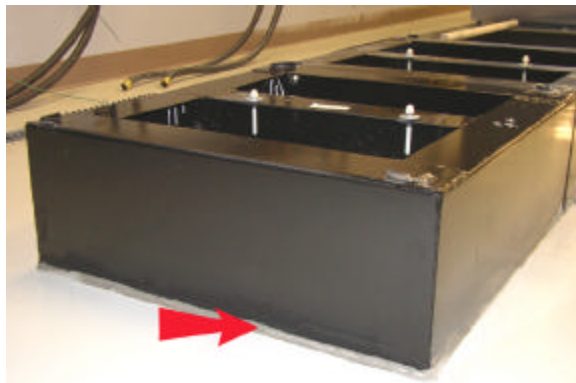
5. Once the anchors have been set in floor, gently lift base and place over the anchor bolts with the leveling washers in place. Re-check base for correct level.

Note: When placing the base on the anchor bolts make sure you place the base as marked (front/top) for correct install position.

6. Place washer and self-locking nut on each anchor and tighten until nut touches frame.

*Note: It is **not recommended** to use a locking type washer as they often fail. This may cause the washer to vibrate, which could result in damage to unit.*

7. Fill the space between the base and floor with a good quality moisture resistance, non-shrinking grout to ensure a stable installation. Grout completely under all base frame members. (See figure B)



(figure B)

8. **IMPORTANT!** Before grout sets completely, make a drain opening in the rear of the base grouting approximately 1" wide to allow any water build-up under the base to drain away.

9. After the grout is completely dry, tighten the lock nuts alternately until tight.

Note: Check mounting bolts after processing the first few loads. These bolts should then be checked periodically to ensure they are kept tight.

Grounding of Metal Base

IMPORTANT! Metal base must be grounded for safety. The metal base supplied by Continental Girbau comes with a grounding terminal located at the back of each base. To prove the ground you must have continuity between the base and a known ground source.

1. When installing one base connect one end of a ground wire to the terminal on the back of the base and the other end to a proven ground.
2. When installing more than one base in a row, wire all the bases together in one continuous chain. Wire from the terminal of either the first or last base in the row to a proven ground. For added safety, connect both the first and last base to a proven ground. (See figure C)



(figure C)

3. Tighten all connections and check for continuity from the bases to ground.

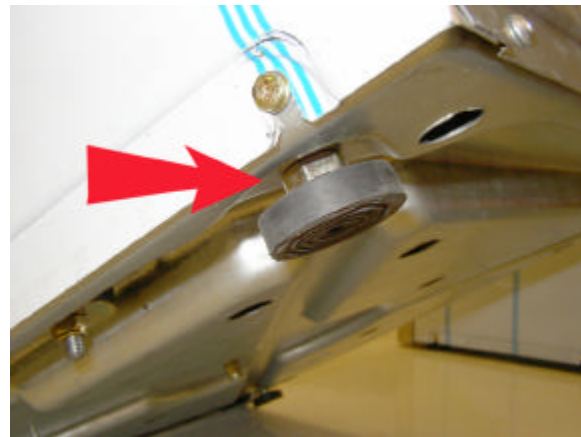
Mounting Machine to Base

1. Remove the two nylon screws attached to the center of the base and save for installation after machine has been leveled.
Note: Never replace these nylon bolts with metal bolts due to electrical safety issues.
2. **IMPORTANT! Adjust rear legs of washer as close as possible to washer base,** leaving only enough room for wrench to fit between rubber foot and machine base for tightening. Tighten leveling leg lock nuts to secure rear leveling legs in place. (see figures D, E, and F)

Note: An open-end wrench with a head thickness of 7/32" or less is required to fit between the rubber foot and the machine base (wrenches of this thickness are available through McMaster-Carr Supply Company (stock #5411A23), (630)-833-0300)



(figure D)



(figure E)



(figure F)

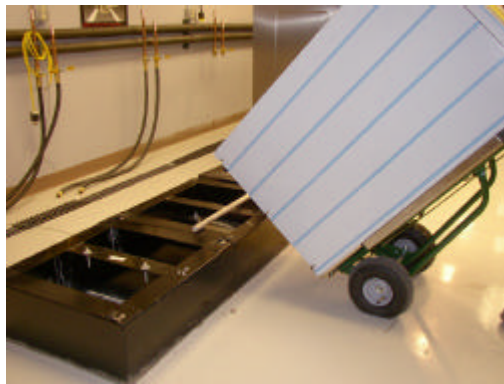
3. Ensure the shipping restraints are in place to avoid damage to the machine when lifting machine on base.
4. Place the machine carefully onto base. Be sure not to lift unit by panels or push on panel sides as it may cause damage to machine. Please note the machine weighs approximately 249 lbs.

Preferred method of lifting washer onto or removing washer off of base:

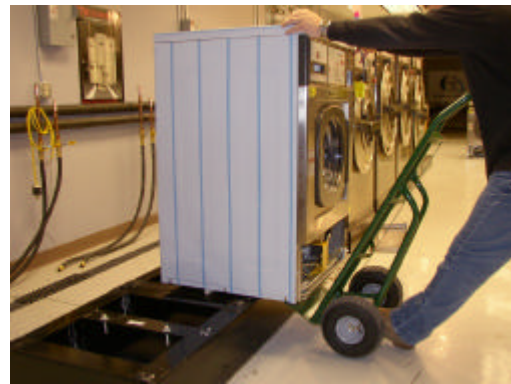
- a. Place a piece of pipe ($\frac{3}{4}$ " diameter X 27" long) onto base approximately 9" from front of base and side-to-side.

Note: If using PVC pipe, schedule 80 is preferred, schedule 40 is minimum.

- b. Using appliance dolly move washer in front of base. (see figure G)
Note: Provide protection so dolly does not mark or scratch the front of the washer-extractor.
- c. Tilt machine back toward dolly handle, giving the rear of the washer enough clearance to place on the base as far as possible. Make sure that the rear legs clear the base. (see figure H)
- d. Gently roll the washer onto the pipe until the rear legs are set in place. Remove the dolly from the front of the washer and tilt the washer back on the rear legs to allow removal of the pipe. (See figures I and J) **IMPORTANT!** To prevent damage to leveling legs or base, do not slide machine on its legs.



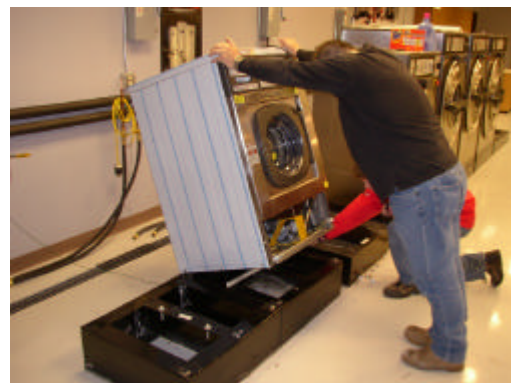
(figure G)



(figure H)



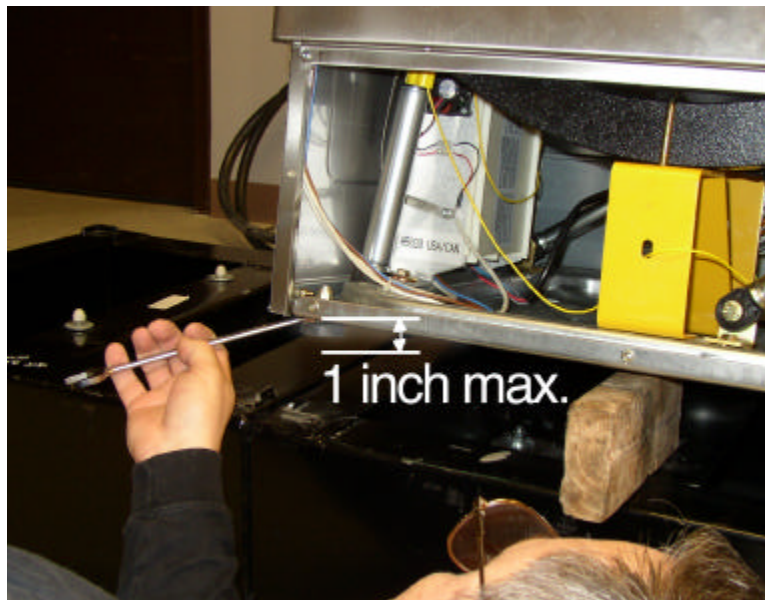
(figure I)



(figure J)

5. Gently position rubber-leveling legs so they are inside the safety brackets to ensure machine cannot slide off of base.
6. Check levelness of washer by placing a level on the top edge of the washer, first side-to-side then front-to-back.

7. If the washer is not level, incline it and prop with a wood block. **ADJUST ONLY THE FRONT LEVELING FEET AS NECESSARY:** (See figure K)
- Loosen nut on leveling foot using an 11/16" (17 mm) open-end wrench. This must be an especially thin wrench that is not thicker than 7/32" (see note on page 5).
 - Make final adjustments only with front legs.
 - Turn the front leveling foot to lengthen or shorten height.
Note: Legs should never be extended more than 1" from bottom of foot to bottom of base. (See figure K)
 - Repeat this step for each front foot until the washer is level or with a slight pitch to the rear (1/4" bubble maximum).

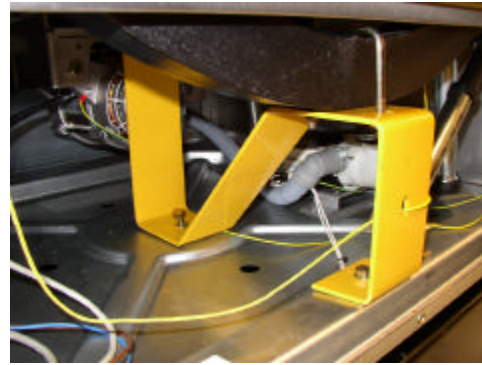


(figure K)

- Tighten both front leveling leg nuts without turning the leveling feet.
 - IMPORTANT: All four leveling feet must be in full contact with the base to prevent washer from vibrating (see paragraph 6H on page 9). If this is not done properly, the machine will not perform as designed.**
8. Removal of shipping restraints:
- Remove the lower cover by removing the three screws along lower portion of cover.
 - Remove the C-clamp on top of yellow shipping brace by removing the attachment nuts. (See figure L)



(figure L)



(figure M)

- c. Remove the yellow shipping brace by removing the two screws that attach it to the washer base and pull out the front. (See figure M)
- d. Remove the four shock absorber restraints by pulling the yellow rope and detaching each restraint separately. (See figure N)



(figure N)



(figure O)

- e. Place washers on nylon screws removed from base and thread through the two center openings that are directly over the attachment nuts on bases center plate
- f. **IMPORTANT: Do not tighten the nylon screws completely.** Leave minimal space between the screw head, washer and base (less than shown in figure O). Tighten just enough so the washer-extractor will not vibrate and create unwanted noise. The nylon screws are a safety feature only, to keep the machine from being pushed off the base. (See figure O)
- g. Assemble the lower cover using the three screws and flat washers removed earlier.

Note: Failure to remove all shipping restraints before running machine may cause irreparable damage to the washer. The warranty does not cover these incidences.

- h. All four leveling feet must be in full contact with the base to prevent washer from vibrating. This must be checked by running the machine with an out of balance load, i.e. 4-5 bath towels approximately 26" X 48" and checking the feet for movement. **Do not operate the machine with shipping braces installed.** In most cases, this fine tuning procedure should only be needed on the front legs. The "demo" mode may be used to access the final spin on coin models. For Logi control models, the acceleration feature can be used to advance the program.

Save all braces and screws in case the washer must be removed for service or moved to a new location. Replace shipping restraints in the reverse manner in which they were removed.

Specifications are subject to change without notice. Check with Continental Girbau, Inc. service department.

Continental Girbau, Inc. assumes no responsibility for faulty or improper installation procedures or mounting hardware. Faulty or improper installation will void the warranty.

Contact Continental Girbau, Inc. for a written copy of the warranty, if needed.