

CopperHead™ S-9210 Laser Screed® Newsletter

December 8, 2003

Happy Holidays!

Thank you for being a part of the CopperHead community. We hope you the tips and techniques outlined in this bulletin helpful to your overall success with our equipment.

If you have any questions, don't hesitate to call us at 906-482-7252 (Option 4).

Send Us Your Pictures

We'd love to see your machine in action on your toughest jobs. E-mail your digital pictures to support@somero.com with a description of the application and we'll post it to our web site.

Inspect Your Rubber Mounts

The rubber vibrator mounts (a/k/a isolators) that connect the vibrator plate to the frame undergo quite a bit of stress from pulling the head out of the concrete.

- ◆ Inspect and replace them if damaged
- ◆ The best method to do this is to push on the associated parts and check for any kind of separation in the rubber mounts.
- ◆ Do NOT remove the mounts to inspect them, the act of removing them usual results in damage.

Using The Machine On Rebar

The CopperHead has been designed to ride over reinforcement and hold grade. Extremely large and tall spacing can cause some difficulties but those patterns are unusual.

The CopperHead functions fine on wire mesh. In essence, the machine will not touch the subgrade exactly, but ride on a layer of concrete over the subgrade once started. Larger bumps in the mesh will cause the machine to cog a bit at the wire or other bump, but it will work fine.

The ATV tires work very well on some types of mesh and rebar jobs. With only 4 psi, they absorb obstacles such as Nelson studs and chairs without raising the machine or slowing it down. For maximum success:

- ◆ Use strong chairs (bricks, etc.)
- ◆ Keep the rebar within 2 inches of the subgrade to minimize bounce
- ◆ Limit centerline spacing to maximum of 10 inches

Surface Sealing

If the surface of your concrete doesn't seem to be sealing up properly, there are many adjustments you can make on your machine to improve it. The major ones are the counterweight position and the vibrator angle of attack. In addition, you may want to slow your pullback speed and place more accurately.

COUNTERWEIGHTS

The counterweights are used to change (adjust) the down pressure on the head of the machine.

- ◆ We recommend starting with 4 counterweights on the rear of the machine for most applications.
- ◆ When screeding lower slump concrete, the position of the weights may need to be adjusted. To increase the amount of down pressure on the vibrator, move the weights from the back to the sides (neutral position) of the machine.
- ◆ For higher slumps and when your screed head is leaving a "wake" or thick cream line, add counterweights to the rear of the machine and set the attack angle back to standard 3 degrees

Each counterweight weighs 7 pounds. If you want to make the machine lighter, remove them from the side storage locations.

VIBRATOR ATTACK ANGLE

Depending upon the exact serial number of your machine, the adjustment method for the angle of attack is different. The standard position is 3 degrees.

- ◆ The vibrator attack angle is usually increased in lower slump screeding. Increasing the attack angle increases the contact pressure and aids sealing.
- ◆ Decreasing the attack angle (flattening the vibrator) decreases the contact pressure and is better for higher slumps.

Link To Our Web Site

We want to help you promote your business. If your company has a web site, we've made it easy for you to link to our web site. This will allow your customers to see all the technical specifications that make the CopperHead such a powerful construction tool.

Check out the detailed directions www.somero.com in the "Download & Links" section.





Stop by and see us at our booth #2001 in the 2004 World Of Concrete in Orlando.

If you would like a free pass to the event, register at our web site at www.somero.com



Somero Enterprises
46980 State Highway M26
Houghton, MI 49931

CopperHead Screed Operator