



## How to make the HBX Controls Snowmelt Sensor (SNO-0110) fit in a Blue Guys Snow/Ice Sensor Socket (091)

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The Blue 091 Snow Socket has an opening of 2.952"

The HBX Controls Snow Sensor SNO-0110 is 3.03" wide and

The HBX Snow Socket SNO-0111 has an opening of 3.05".

We will need to bore out 0.078" on the Blue Guys Socket 091 to make the HBX Snow sensor fit.

There are a few different ways you can do this:

1. Use a dremel tool and grind out the opening to the correct size- please use the same size as the HBX Snow Socket SNO-0111 opening (3.05")
2. Use a grinding stone with a very coarse grit and grind out the opening to the correct size please use the same size as the HBX Snow Socket SNO-0111 opening (3.05")
3. Use a Hone with a very coarse grit (range 2"-7") and grind out the opening to the correct size- please use the same size as the HBX Snow Socket SNO-0111 opening (3.05")

The most efficient way to do this where it is the quickest and also the most even way to bore the opening of the Blue Guys Socket is to use the hone. This has 3 prongs that open evenly as you use the drill to grind out to the size you will need.

To make sure this works quicker for you, please make sure to use a very coarse grit as it will take you some time to grind out the brass Blue Guys socket and make sure you use a lot of lubricant to keep the brass shavings from collecting onto the stones.

The depth is another thing you need to make sure you are paying attention to as the HBX Snow Sensor is 1.35" deep. You will have to bore out that deep within the Blue Guys socket. Use a Vernier Caliper measuring tool for the most accurate reading to make sure the sensor will fit correctly.

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After you have bored out the socket and the HBX Snow Sensor will fit and you are ready to install the sensor, make sure you use the wire that is connected to the HBX sensor for it to work correctly with the HBX Snow controls SNO-0550/1000. When the wire is fed to the control, you can now use a silicone to secure the socket to the existing Blue Guys socket.



Figure 2 - Hone



Figure 2 - Grinding Stone



Figure 1 - Blue Guys Socket 091



Figure 4 - HBX Socket and Snow Sensor (0111/0110)

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