Troubleshooting Guide for Shockwave Model

What's the issue you are having?

1. The Screaming Banshee® Shockwave doesn't work at all (Neither the Banshee Horn or High Beam flash are working):

a) Firstly, carefully check all connections according to the instructions and ensure that all are correct.
b) MOST COMMON ISSUE - Check the ground connection for the black wire.
Make sure that you have used a good point on the chassis of the bike (or car) that has no paint or plastic coatings on it. Also, make sure that the metal piece you have used is actually connected to the main chassis - sometimes they can be just mounted to plastic fairings etc – this will not work. You can temporarily run a wire from the horn (-) to the battery (-) to see if this is the issue.
c) Make sure that the red wire is connected to the (+) of the battery.
d) Check that the two Blue wires are connected correctly to the two wires that formerly went to the stock horn. It does not matter which way around the two blue wires are connected. Note: If your stock horn had only one wire to it connect one blue wire to this and the other blue wire to ground.
e) If you still haven't found the culprit, email us some pictures of your installation and we will help you get it working correctly.

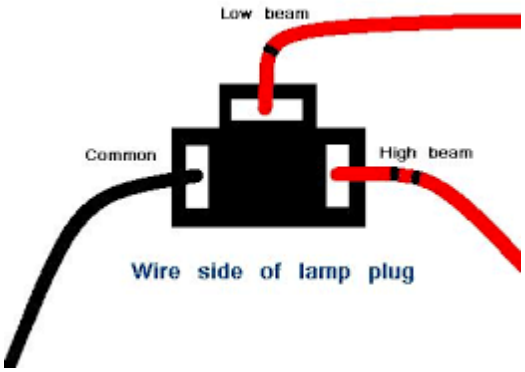
2. The Shockwave blows the 25 amp fuse:

a) Replace it with another 25 amp fuse. The fuse is called a "**Micro2 Blade Fuse**" and it should be rated at 25 amps (don't use any other size fuse, or damage may occur). It is a common automotive fuse used on newer model cars. They should cost 40 - 80c each.
b) If the fuse blows again, check that you have connected the yellow cable to the correct High Beam wire on your bike. Test this by disconnecting the yellow wire, replace the fuse and see if the horn part of the system works correctly now. If this fixes the fuse blowing, then you have wired the High Beam connection wrongly, and will need to determine what the correct High Beam wire to use is.

c) If disconnecting the Yellow cable does not stop the fuse from blowing again, then call us as there may be an issue with the horn itself (All horns are tested before we ship them).

3. The Shockwave works but the headlight doesn't operate at the same time:

a) Check that you have connected the Yellow cable to the actual High Beam wire. For bikes and cars that use the common "H4" type bulb the high beam connection is on the right hand side (see picture below).



If you have a different type of Headlight connector, you may need an electrical manual, or you can use a voltage tester to confirm which wire is live when the High Beam is engaged. Also you can try Googling "headlight plug *then your model bike*" and often you will find the answer.

4. The Shockwave horn & High Beam work but they don't pulse:

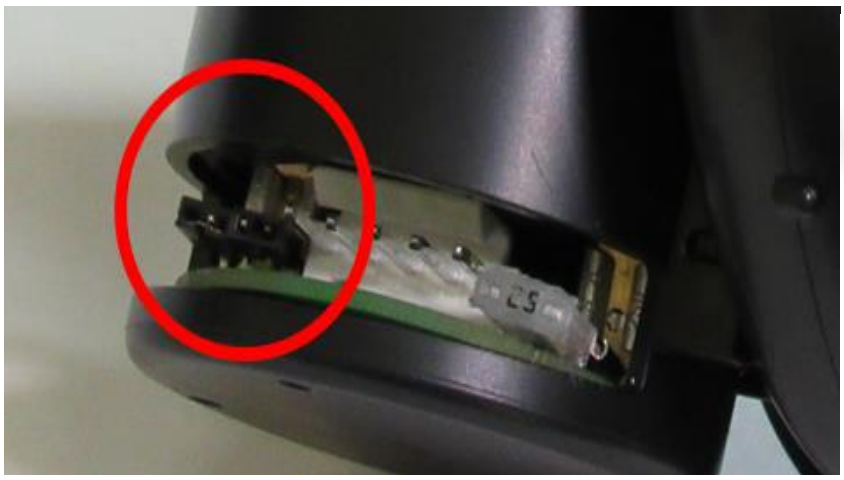
a) There is a small jumper switch that allows you to select whether the horn and lights pulse or just stay on solid. Please refer to the pictures below for how to configure this.

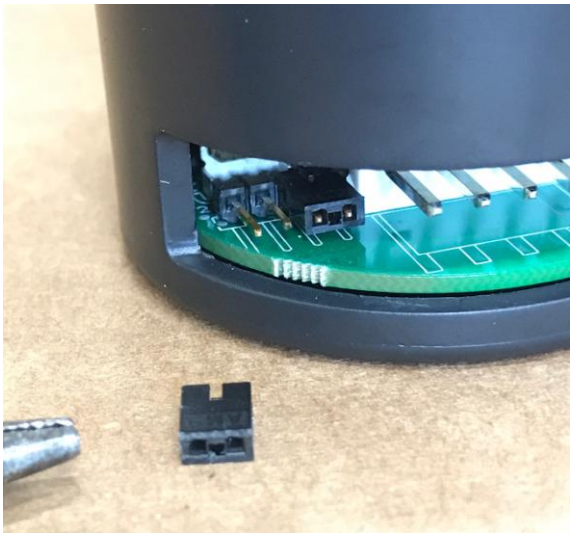
5. The Shockwave does not have a "friendly" lower volume when I first hit the button:

a) There is a small jumper switch that allows you to select whether the lag is 0.00 or 0.15

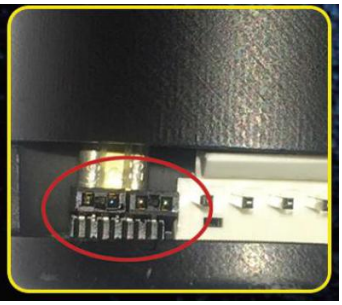
second before the Screaming Banshee® system deploys full volume. Please refer to the pictures below for how to configure this.

b) If you have the jumper installed and still think the horn is not producing an initial friendly tone, then please make a sound recording and send it to us. Alternatively, you can send the horn back for us to test.





	SHUNT ON	SHUNT OFF
Left Side Shunt	Horn & Light Pulse	Horn & Light on Solid
Right Side Shunt	0.15 sec Delay for full Volume	0.00 sec Delay for full Volume



6. The Shockwave makes a motor noise but no sounds comes out:

a) The plastic trumpet parts may have been damaged in shipping. We test all horns when they are built but occasionally UPS manage to hit one hard enough to damage it. If the horn does not produce a very loud sound then please give us a call.

Advanced Trouble Shooting - using a Volt Meter

Here are the tests to trace out the circuit from end to end. Use a DC volt meter and connect the (-) of the meter to the (-) of the battery, then check the (+) voltages as follows with the red wire on your meter:
It is very important that you do these in the order listed below and mark down the results from each step, so we can track your results if needed.
1. Check the voltage at the fuse on the horn unit – should be 12 – 14v and should stay over 11 when the system is being deployed. If it drops then your red wire is not connected well, or you have a bad fuse.
2. Check the voltage at the Black wire to the unit – should be less than .1 volt at all times. (if it rises then your ground is bad)
3. Check that you have over 10 volts across the two blue wires going to the control unit when the stock horn is being deployed.
4. Check that you have 10 – 12 volts on the Yellow wire when the system is being deployed. (If the horn works but no power on the yellow wire then it's possible there is a fault in the circuit board)

If you are still having issues please email us on shockwave@screaming-banshee.com
or call: 727 744 6808

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