

BBCV Stepwell Light with New Air Door Plumbing

Tech Tip #17-0110



Stepwell Light Doesn't Work and Has No Power

The photo above shows the solid mounted valve for the new air operated entrance door.

Recently, we have had customers find their stepwell light inoperative and when trying to diagnose the issue found there is no power to the light.

What we have found in these instances is that the wires from the switch activating the light have grounded due to their position in the entrance door header and need repositioning.

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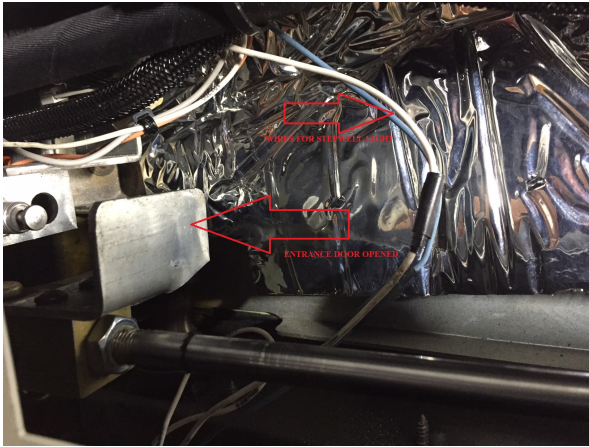


Figure #1

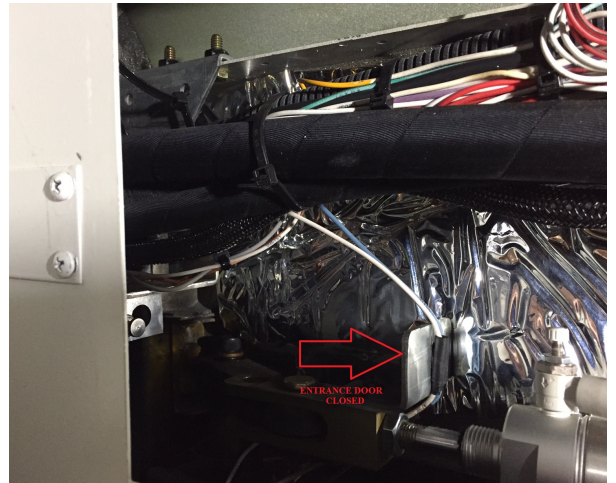


Figure #2

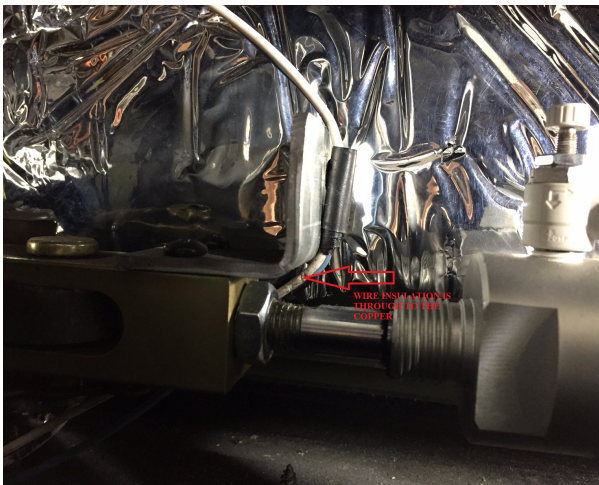


Figure #3

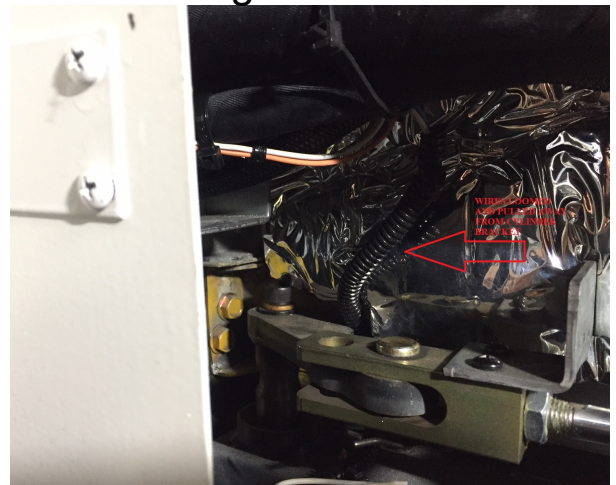


Figure #4

Figure #1 shows the stepwell light wires once the header cover is removed.

Figure #2 shows what happens when the door is closed ...when the cylinder compresses the wires are pulled (As you can see someone has taped the wire on this unit as if to prevent the bracket from wearing into the wire)

Figure #3 shows where the wire insulation has rubbed through.

Figure #4 shows how the wires should be loomed and routed away from the cylinder bracket.

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