

2018 M2 intermittantly burns Fuse 15



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2018 M2 intermittantly burns Fuse 15 Feb 3, 2021 5:48 AM

Trucks been back a few times now with no marker lights on the body. Keep finding the cause to be Fuse 15 for the BHM. I read through the literature on the BHM and it doesn't mention marker lamps as one of its outputs. I've tested the outputs listed, and none of them cause it to pop. I've inspected and wiggle tested their wiring to no avail. Has anyone here seen this before?



[Kyle Siebert](#) 4,151 posts since Nov 14, 2014

Re: 2018 M2 intermittantly burns Fuse 15 Feb 3, 2021 1:05 PM

It may be more understandable looking thru the specifications section of the CHM. It's a pass thru circuit from the BHM. I wanna say it's page 2 or 3 in specifications of CHM. There is a little wiring diagram that shows what pin the BHM supplies power to the CHM for marker lights. There is also this to note

[M2 Marker lights intermittiant INOP 6978 fmi 6. Tail lamp circuit current above expected value.](#)



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Re: 2018 M2 intermittantly burns Fuse 15 Feb 11, 2021 3:24 AM

Okay, here's what I found. After removing the BHM to inspect for damage or possible water intrusion (none found) I then installed the module to retest. Instead of blowing the fuse this time it instead had one active code for a short in the cigar lighter circuit. I opened up the dash to find a jumper harness spliced off on both the power points. I disconnected the splice and the code became inactive, so I followed the harness across the dash, up the "A" pillar and to the middle of the headliner. It appears these wires were routed here by the factory to make installation of a CB radio easier. The hot lead was balled up and taped with some masking tape that allowed it to short out. Why the module had to be unplugged to make its multiplexed circuit protection work properly is anyone's guess!



[Kyle Siebert](#) 4,151 posts since Nov 14, 2014

Re: 2018 M2 intermittantly burns Fuse 15 Feb 11, 2021 7:50 AM

This is from the BHM specifications section. Shows f15 vbat fuse. There is another table in BHM specifications that shows FETs.

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