

2020 114sd m2 brake lights



[Matt Welch](#) 70 posts since May 30, 2016

2020 114sd m2 brake lights Nov 9, 2020 10:51 PM

vin lf8597. 114 with cement plant added. Brake lights inop. This unit is setup for combination brake/turn signals, powered by the same wire (38l and 38r) coming from chm output c1 G and c1P. However, the only power on these(c1g and c1p) outputs is the turn signals. The brake lamp power is coming out of chm c1L and c1N, which would be for separate stop/turn lamps.

The service brake switch and circuit works, when grounded (chm pin c3G), sends power to c1L and c1N. The factory bhm parameter is 26-01020-015, for separate stop turn. Contacted freightliner support, they updated the server to have parameter 26-01020-014. Reflash the bhm with new parameter, no change.

We have installed and programmed a test bhm and a test chm, no change.
I have verified the correct part numbers of the bhm and chm.

What parameter or input needs to change or be set to get the output to be at c1g and c1P instead of c1l and c1n?

Or is the truck built incorrectly and should have had separate turn and stop lamps?



[Jon Cecil](#) 887 posts since Nov 25, 2014

Re: 2020 114sd m2 brake lights Nov 10, 2020 3:35 AM

So does the unit have 4 tail lights on the rear? It does appear the unit was set up with separate turn and brake lights. Look at SB 54-174. There might be 2 other parameters to try as well. I would follow the instructions in the bulletin. Hopefully it resolves your issue.



[Michael Palumbo](#) 1,510 posts since Nov 13, 2014

Re: 2020 114sd m2 brake lights Nov 10, 2020 11:59 AM

Take a look at page 40 of the M2 body builders guide. It details the wiring differences between the two. On page 40 the top center schematic is for separated stop turn outputs. The schematics in the lower corners are both for combination stop turn setups.



[Michael Palumbo](#) 1,510 posts since Nov 13, 2014

Re: 2020 114sd m2 brake lights Nov 10, 2020 12:11 PM

I could be confused. PG40 looks to me like C1l & C1n are stop with either configuration and are also turns with the combined parameter..

C1g & C1p are not used with the combined parameter and are the turns with the separated parameter.

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[Jon Cecil](#) 887 posts since Nov 25, 2014

Re: 2020 114sd m2 brake lights Nov 10, 2020 1:08 PM

I think you are right Michael. Even in the service bulletin, it has you add wires to G and P to get turn signals to work. The wiring should be pinned into L and N for combo lights. I bet if Matt measures L and N for turn signals, those would work since the parameter was changed. I think the wiring should be on pins L and N to get the combo lights to work.