

M2 random shut down



[Trey Regar](#) 14 posts since Feb 3, 2015

M2 random shut down Sep 24, 2020 5:17 PM

hello all!

I would like to share my most recent find on these wonderful M2's that come in with a complaint of a random shutdown.

vin - 1FVACXFC1LHLF8624

miles - 6,300

M2 bucket truck

unit came in for random shut down. after confirming complaint, found that it liked to act up most on uneven terrain on hard bumps.

went through all the basics with checking the common areas of the OEM harness around the air compressor and under the drivers side cab mount, along with the ABS wiring under the dash panels. found no issues.

contacted CSC as this is a new unit and wanted a case open.

continued with their recommendations of adding in line fuses to all the powertrain modules and trying to blow the fuses. had no luck with this.

went back and forth for a while with tech support and kept running in to dead ends.

ran overlays for all modules power, ground and ignition with no luck.

and finally found that my power loss was coming from the PNDB.

management says throw one on it, because ya know, they go bad often. didn't fix it.

added an inline fuse to the PNDB main power supply from the batteries and fuse blew.

after very close and thorough inspection of the PNDB power supply cable, found that battery cable was arcing out against the rear side of the drivers side leaf spring.

turns out the unit was not equipped from the factory to have a PTO mounted on it.

a body builder bent the battery cable bracket to fit a PTO and on hard bumps, the cable could contact the spring.

HOPE THIS MIGHT HELP SOMEONE ELSE SAVE SOME HEADACHE!!!

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Tags: m2, intermittent, down, shutdown, 2020, random, shut



[Jesse Gutierrez](#) 404 posts since Mar 5, 2017

Re: M2 random shut down Sep 26, 2020 10:01 PM

Nice catch could have started a fire