

M2 Firetruck surging on high idle



[David Lane](#) 84 posts since Jan 6, 2015

M2 Firetruck surging on high idle Sep 8, 2020 7:32 PM

The engine surges on high idle when the Jake switch is turned on. This M2 fire truck S/N - KJ4385 runs fine with the VMUX fast idle activated, until the Jake switch is turned on, it then surges by 200 rpm until the Jake switch is turned off.



[Kyle Siebert](#) 4,003 posts since Nov 14, 2014

Re: M2 Firetruck surging on high idle Sep 9, 2020 3:15 PM

Can you attach a log file of this happening?



[Steve Reppard](#) 101 posts since Jun 29, 2020

Re: M2 Firetruck surging on high idle Sep 10, 2020 1:19 PM

This seems odd, jakes should have no correlation with engine rpm's at idle or in "pto mode". I agree with Kyle, we need to see logfile of this occurring.



[Ian Fournier](#) 6 posts since Jan 26, 2017

Re: M2 Firetruck surging on high idle Oct 4, 2020 5:14 PM

I have just dealt with one with similar issue. Is the unit trying idle higher then 900rpm on hi idle? If the truck is not getting a pto signal to cpc connector 2 pin 9 then it will not surpass 900rpm being the epa law for clean idle. last one I saw was body builder told them to ground ecm 21pin connector pin 9 but they ment cpc connector 2 pin 9. So the unit wasn't seeing the off high way or pto signal thus it was thinking its running to high rpm and jakeing it down to 900 and cant hold it there and surges between jakes on and off

So make sure in pto or vmux hi idle mode its seeing a ground signal to let it idle higher then 900rpm.