

2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP



[Edgar Zuniga](#) 3 posts since Apr 11, 2015

2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Nov 13, 2017 8:35 PM

2018 THOMAS C2 SCHOOL BUS VIN JT0108. CUSTOMER COMPLAINT IS 'AUTO HIGH IDLE' INOP. BUS WILL RAMP UP RPM WITH CRUISE SWITCH. HAVE CONTACTED THOMAS ON ISSUE.. THEY SAY PARAMETER FOR AUTO HIGH IDLE IS SET CORRECTLY. HAVE CHECKED ALL WIRING FROM AUXILIARY AC SYSTEM. ALSO HAVE CHECKED BULKHEAD TEMPLATE. AC HIGH IDLE REQUEST COMING ON WITH AC ON THROUGH THE BULKHEAD ECU. HAVE CONTACTED CUMMINS. THEY STATE MIGHT BE NORMAL BEING A NEW ENGINE. WAITING ON CALLL BACK. HAS ANYBODY HEARD ON THIS ISSUE? 3,277 MILES ON UNIT.

Tags: c2, thomas, freighliner bus



[Robert Cadell Jr](#) 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Nov 14, 2017 7:48 PM

make sure its seeing the park brake signal or showing switch change, I would assume high idle option it would need to see that, would be in the multiplexing, and do they mean auto high idle or a cold start warm up, meaning the ambient temp is below xx degrees, when the unit starts it will idle up to warm up faster.



[Edgar Zuniga](#) 3 posts since Apr 11, 2015

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Nov 15, 2017 4:44 PM

HAVE CHECKED ALL SWITCHES. WORKING PROPERLY. FAST IDLE WARM UP IS ENABLED TO 1200 RPM. ENGINE IS NOT RAMPING UP. MY GUESS IS CUSTOMER IS CONFUSING FAST IDLE WARM UP. HAVE OLDER YR BUS. COMPARED PARAMETERS. ALL LOOK SAME. OLD BUS DOES FAST IDLE WARM UP. NO MATTER AC SETTING. STILL RAMPS RPM UP IF AC IS OFF. HAVE CHECKED WITH CUMMINS. GOING THROUGH ENGINEERING AND LEVEL 2 SUPPORT.



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

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Dec 11, 2019 3:57 PM

Any luck on this one?



[Jake Armstrong](#) 14 posts since Jul 30, 2019

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 8:02 PM

also curious on solutions found on this issue.



Robert Cadell Jr 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 8:20 PM

Can one of the bus guys jump in on this? There is a feature called fast idle warm up is the feature I think folks are referring to, it's in the cummins ecm.

Auto high idle would be a different monster. Does any of the other units or twin vins work correctly



Jake Armstrong 14 posts since Jul 30, 2019

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 8:27 PM

I have a 2016 C2 with wheel chair lift with auto high idle Inop. Does not work with lift on, ac on, or batt voltage below the threshold. Can operate with cruise control switch though. Seeing park brake, and service brake too.

Jacob Armstrong



Robert Cadell Jr 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 8:47 PM

This is off a Crane truck, it's a 2017, look for fast idle warm up, out side of this if the feature if the unit is supposed to Auto idle up IF I'll assume the bus is parked with the A/C on or idle up etc I would find a twin to this unit with in that fleet, compare parameters for first the engine side, see if the Engine ecm was updated for a warrantable or recent failure and the parameters were put back in correctly. If so Is this a cummins only feature or is Thomas side involved via multiplex to "coordinate" the feature.

Rob "Doc" Cadell

DTNA Master Tech/Elgin Lead Technician

Trans Chicago Freightliner BFWD

Shorewood,IL

(803)-917-5397

Good Hunting – You'll find your problem

- [2017 crane truck m2 engine parameters.pdf](#) 287.4 KB Preview



Jake Armstrong 14 posts since Jul 30, 2019

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 8:57 PM

Have compared parameters with 2 other buses that are the same. Have checked parameters in ecm

Jacob Armstrong

2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP



[Jake Armstrong](#) 14 posts since Jul 30, 2019

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 8:57 PM

Thomas side is involved via 1939, I'm not entirely sure how as this feature is hard to find info on.

Jacob Armstrong



[Robert Cadell Jr](#) 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 9:02 PM

See if a Thomas guy jumps in if not, I would contact Thomas bus for more support. I know enough to be dangerous on a bus

Rob "Doc" Cadell

DTNA Master Tech/Elgin Lead Technician

Trans Chicago Freightliner BFW

Shorewood, IL

(803)-917-5397

Good Hunting – You'll find your problem



[Jake Armstrong](#) 14 posts since Jul 30, 2019

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 9:08 PM

thank you. still waiting on response from Thomas helpline.



[Robert Cadell Jr](#) 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 9:23 PM

Sorry I couldn't help more

Rob "Doc" Cadell

DTNA Master Technician/Elgin Lead Tech

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Good Hunting - you'll find your issue



[Jake Armstrong](#) 14 posts since Jul 30, 2019

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 5, 2021 9:40 PM

2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP

It's okay, I compared the parameters you sent and all seem fine. I'll wait to see what Thomas says and if I find a solution I will post on this thread. Thank you

Jacob Armstrong



[Randy Henning](#) 10 posts since Aug 27, 2015

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 25, 2021 2:56 PM

Just had a C2 come through my shop with auto high idle not working. Customer said they noticed one day when using the lift the idle did not kick up. On the C2 the auto high idle is done through the J1939, nothing hardwired to the ECM. All parameters on the Thomas side were correct. Thomas sent over a copy of the Cummins engine parameters the bus was shipped with. This had the ECM passwords for the "adjust" option when connecting with Insite. Using this Insite let me see more parameters than just connecting to the bus with the no password option. In the PTO section found "Remote PTO" disabled and in J1939 controls found "Remote PTO Switch" disabled. Enabled both of these ECM parameters and auto high idle started working. A/C, low battery voltage, and wheel chair lift switch all kick idle up. The school does not have Insite and the bus has not been to a Cummins shop for engine work. Not really sure how or why these would just change?



[Robert Cadell Jr](#) 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Jan 29, 2021 8:45 PM

For clarity purposes when you enabled the remote PTO switch what module did you set it to? 33 BHM, 71 CHM ?



[Randy Henning](#) 10 posts since Aug 27, 2015

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Feb 2, 2021 4:10 PM

On the C2 that 1939 message comes from the ICU. I think is 23.



[Robert Cadell Jr](#) 2,837 posts since Nov 9, 2014

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Feb 2, 2021 4:14 PM

Yes the icu is 23

Rob "Doc" Cadell
DTNA Master Technician/Elgin Lead Tech
TransChicago Truck Group BFWD
Shorewood IL 60404
803 917 5397 Cell
Good Hunting - you'll find your issue

2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP



[Randy Henning](#) *10 posts since Aug 27, 2015*

Re: 2018 THOMAS C2 BUS-AUTO HIGH IDLE INOP Feb 2, 2021 5:00 PM

I was wrong just looked at the image and the remote PTO switch is set to body controller-33. The cruise control source address is the ICU.