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# SS 469068 Cascadia SAM Cab, SAM Chassis, MSF and CGW Hardware Compatibility

## **Issue**

If replacing the SAM Cab or SAM Chassis from the older 5.0 - 5.4 version to the newer 6.0 or greater version, if both SAMs end up with the 6.0 or newer version it will require having a Central Gateway (CGW) and the Master Switch Field (MSF) with compatible hardware.

## **Solution**

The attached tool was created to help locate the MSF and CGW P/Ns when a SAM Cab or SAM Chassis has been replaced. Use the "Compatibility Tool" tab in the document and follow the instruction. For software information pertaining to compatibility, reference Freightliner Service bulletin 54-239. For SAM Cab and SAM Chassis hardware compatibility reference Freightliner Service Bulletin 54-231.

Updated 12/5/2018

Labels :

Cascadia

Electronics | Controls | Configuration | Communication | and Diagnostics

Freightliner

cascadia

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## **Attachments**



19 Kudos

## Comments



Buddy\_Taylor

07-03-2015 07:59 AM

I have had issues when upgrading sam chassis , cabin, gateway, and msf to 6.3 version from 5 version. After replacing the gateway, I would loose communication with all other ecus on the truck side. Both times, I had to change the gateway parameter from non Cascadia to Cascadia truck , and then all my ecus would come back online and that would fix my issues.



Kyle\_Siebert

01-02-2017 01:21 PM

Ive got a Cascadia S/N AF0568. Replaced SAM's to P/N 06-74862-000 and 06-74863-000 but those aren't on your spreadsheet list. Need to replace CGW from software level 8.42.1 P/N 06-60974-005. Need to get up to software level 9.33.000 in CGW or release 6.31. Installed a 06-60974-009 but its still at 8.42.1

What part number CGW do I need?



Duane\_Carlsen

10-08-2017 04:25 PM

Updated spreadsheet with new 6.3 P/N as of 10/8/2017





Robert\_Cadell\_J

10-08-2017 06:16 PM

Thanks Duane

Rob "Doc" Cadell

Diagnostic Technician

TransChicago Truck Group BFWD

Shorewood IL 60404

803 917 5397 cell

Keep digging you'll find the answer



Chaz\_Trimble

10-08-2017 08:07 PM

Thanks Duane, glad for the update on this SS



Don\_Erickson

10-12-2017 07:06 AM

If this helps, we had a couple of trucks in our shop where the sam chassis is failed due to corrosion, I found the new version of the sam chassis is not compatible with the sam cab, if you are able to update the sam chassis to the truck I found that there will be no communication to the rest of the computers on the truck, you can replace the sam cab

to be compatible with the new sam chassis, but I found that if you disconnect the new sam chassis from the rest of the truck you can update the sam cab to the newest and then reconnect the new sam chassis and the communication issue goes away



Robert\_Cadell\_J

10-12-2017 08:42 AM

One other thing to try it latest instead or new or newest if you pull and update the parameters, upload them I've used latest on older units with no issues but that's a good idea, thanks man

Rob "Doc" Cadell

Diagnostic Technician

TransChicago Truck Group BFWD

Shorewood IL 60404

803 917 5397 cell

Keep digging you'll find the answer



Don\_Erickson

10-12-2017 09:06 AM

its the software in the new sam chassis vs the old software in the sam cab being not compatible , that is the issue I ran into.



Robert\_Cadell\_J

10-12-2017 09:09 AM



Right, if you have the option program it to latest not newest, it's a hit and miss thing we have had less issues that way but your idea is sound.

Rob "Doc" Cadell

Diagnostic Technician

TransChicago Truck Group BFW

Shorewood,IL

815-600-8301 Shop 803-917-5397 Cell



Robert\_Cadell\_J

11-15-2017 11:09 AM

It's excel spread sheet

Rob "Doc" Cadell

Diagnostic Technician

TransChicago Truck Group BFW

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Keep digging you'll find the answer



Robert\_Cadell\_J

11-26-2017 05:58 AM

Ok, so the version of excel I have on my laptop won't support this spreadsheet 2007 is what I got so, we bought a new computer for our house and the spreadsheet works thought about it downloaded excel for my phone and now it works on my phone. Just throwing this out there



Kyle\_Siebert

12-02-2018 08:38 PM

JPART5 I noticed a truck that got a new SAM Cab the other day. The sticker said 14.38.xx but someone flashed it to 17.xx.xx

I know my data is lacking without s/n and incomplete software numbers. But I was wondering if you were aware of the new software levels and their compatibility.



Chaz\_Trimble

12-02-2018 08:42 PM

Yeah would be good to get the spreadsheet updated. Software has been out for a while now.



Chaz\_Trimble

12-04-2018 08:06 PM

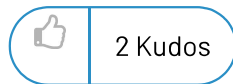
That would be called a simplified gateway if I remember correctly.



Duane\_Carlsen

12-05-2018 06:53 PM

I just updated the spreadsheet. Do keep in mind that I could not obtain the as built flash versions for these SAMs modules. It will work for the CGW and MSF compatibility.



Chaz\_Trimble

12-05-2018 08:30 PM

Thank you JPART5 much appreciated.



Kyle\_Siebert

12-06-2018 02:10 PM

I am trying to figure it out, but I couldnt. Honestly id like to know what the SAM Cab software 17.xx.xxx compatibility is.

Also, why some of the gliders come in with Sams at 14.28 and 14.38 but the CGW at levels too low like 8.42. Im scared to update the CGW to a compatable setting because I see all the gliders coming in with software levels like this. Next time ill get a vin, sorry about that.



Robert\_Cadell\_J

12-06-2018 03:45 PM

AREYOU referring to S Sam kyle?

Rob "Doc" Cadell

Diagnostic Technician

TransChicago Truck Group BFWD

803-917-5397 Cell 815-600-8301 Shop

Keep digging you'll find the answer - No author



Kyle\_Siebert

12-06-2018 03:56 PM

No SAM cab in a P3 Cascadia. We had a unit that came that the customer wanted us to flash the new SAM cab and SAM chassis. Because the dash caught on fire and ruined them. Someone else flashed them. I checked compatibility and found the SAM cab had a sticker on it for 14.28 but had software at 17.41.0. I was trying to figure out why only the right turn signal worked on the left stalk switch. All other stalk switch functions were INOP and reporting as question marks when put in any other position. Two terminals in the left stalk switch connector had continuity to each other in the connector.

I found the log file.

s/n HD1919

SAM Cab 17.41.0

SAM Chassis 14.28.0

MSF 13.25.0

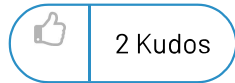
CGW 14.5



Duane\_Carlsen

12-10-2018 07:36 AM

I just updated the spreadsheet and now all of the new SAMs have their software versions added.



Talbert\_Simonia

12-10-2018 09:33 AM

I noticed that it does not match the old spreadsheet. It does not go up to 14.38.0 for the Sam Cabin.

