

CCF Editor User Guide

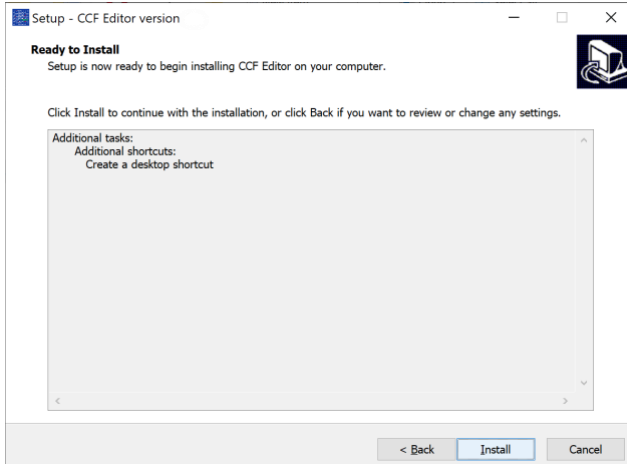


Installation

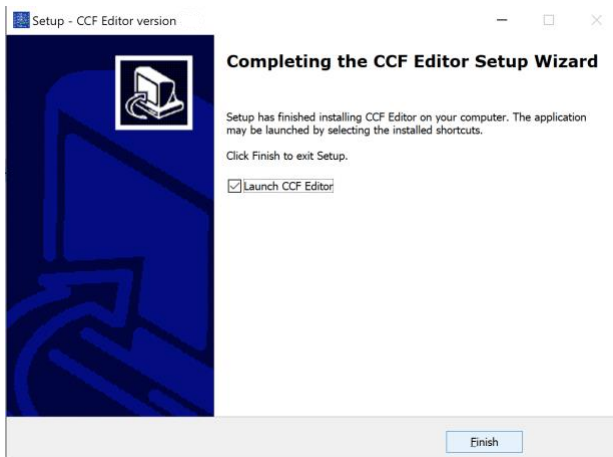
Install CCFedit8 by double clicking on CCF Editor 8.exe



Click Next to begin the installation.



Click on Install to install the editor to the default location.



Ensure that 'Launch CCF Editor' is checked before clicking Finish.

The editor will launch the following Window only.

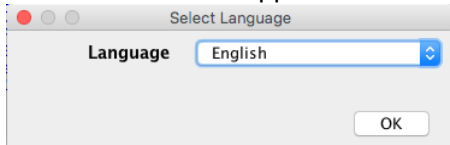
Please carefully read warning on last page of user guide



Click on Copy to Clipboard and paste into an email, send to reggraham5@gmail.com

Once you have received the license file launch CCFedit8 by double clicking the shortcut created by the installer

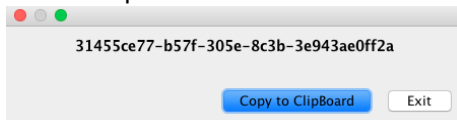
The first window to appear will be the Language selection window shown below



Select the language from the dropdown box and press OK.

If the launch check box was not checked and you have not already applied for and received the license file, then at license Window press close and perform the steps below.

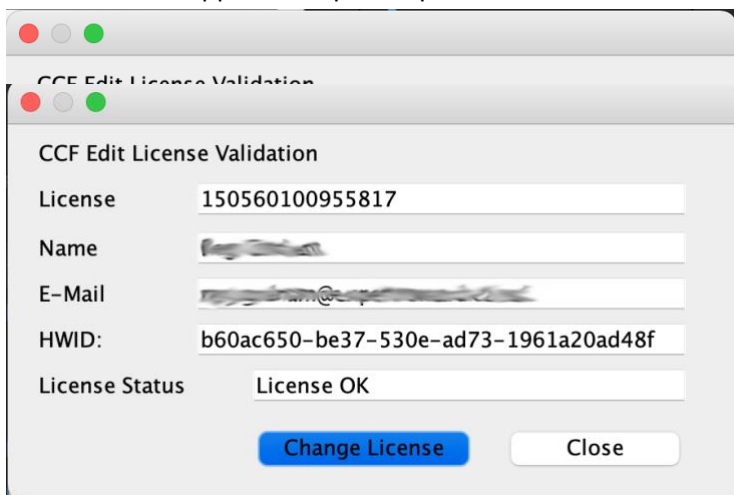
- Select Help->GetHWID the window below will be displayed.



- Click on Copy to Clipboard and paste into an email, send to reggraham5@gmail.com

Start CCFEDIT at the below screen press change license.

Select the file supplied and press open the next window will appear.



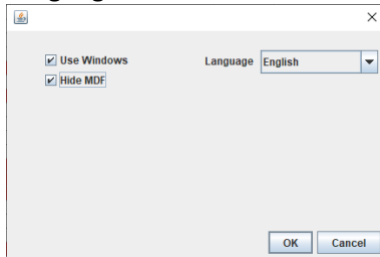
This screen will show the license details press close and then close CCFEDIT.

CCF Edit is now ready for use, if however the license window appears again this sometime happens just repeat the license entering process again.

CCF Editor V8 Settings

CCF Edit supports tabbed or windows operating mode

Select File->Settings at the following window the options for Use Windows, Hide MDF Value and Language are available.



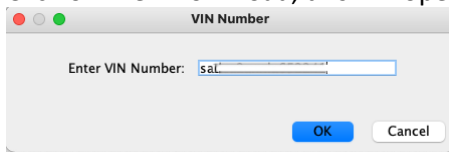
To use tabbed mode uncheck 'Use Windows' and to show the MDF Value uncheck Hide MDF. The language can be selected from the drop down box. Click on OK to save the settings.

Using the editor standalone (download/upload)

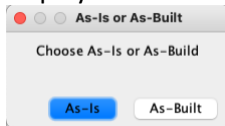
The editor has the ability to download the VBF file directly from the DFSM server and when edited save and upload to the DFSM server.

Windows Mode or Tabbed Mode:

Click on File->Download, this will open the VIN entry window as below.



Enter the VIN and click on OK. If the vbf downloads successfully it will either load automatically or open the following chooser window. For all models covered by Pathfinder the chooser window will display.



Windows Mode:

In Windows mode only one file may be downloaded at a time.

#	Parameter	Description	Value	Description
1	EUCD001	VEHICLE TYPE	0x1B	X761
2	EUCD002	DOORS	0x02	5 Door
3	EUCD003	TRANSMISSION DRIVELINE	0x02	All Wheel Drive (Without disconnect)
4	EUCD004	BIFUEL	0x01	Not Bifuel
5	EUCD005	ENGINE TYPE	0x9B	AJ200D OR AJ21-D4 2.0 litre (4 Cylinder)
6	EUCD006	FUEL	0x02	Diesel
7	EUCD007	ALTERNATOR	0x0C	Alternator 230A
9	EUCD008	STEERING WHEEL POSITION	0x02	Right Hand Drive
10	EUCD009	GEARBOX	0x4A	ZF 8 Speed Automatic Gearbox
11	EUCD010	GEARBOXTYPE	0x02	Automatic gearbox
12	EUCD011	FUEL TANK VOLUME	0x0B	Fuel Tank Small (50L)
13	EUCD012	ALARM	0x00	Not supported
14	EUCD013	SEAT MASSAGE	0x01	Seat Massage not Filled
15	EUCD014	HEADLIGHTS TYPE	0x03	Gas Discharger Lights with auto. adj.
17	EUCD015	HEADLIGHTS SYMMETRY	0x00	Not Supported
18	EUCD016	DAYRUNNING LIGHT	0x02	Standard dipped light. (Non-DTRL)
19	EUCD017	DIMMED DIPPED HEADLIGHTS	0x00	Not supported
20	EUCD018	FOGLIGHT FUNCTION	0x02	Foglight without restrictions
21	EUCD019	REAR FOGLIGHT TOW FUNCTION	0x02	Foglights shut off when trailer is connected only trailers...
22	EUCD020	TRAILER MODULE	0x01	Without Trailer Module
23	EUCD021	KEYLESS ENTRY AND START	0x02	Keyless Entry And Start
25	EUCD022	ADDITIONAL HEATER	0x01	Without fuel fired heater
26	EUCD023	CRUISE CONTROL	0x02	Cruise Control
27	EUCD024	RAINSENSOR	0x00	Not supported
28	EUCD025	HEADLIGHT CLEANING	0x00	Not supported
29	EUCD026	POWER STEERING TYPE	0x09	Electric Power Steering with external torque control only...
30	EUCD027	TRIP COMPUTER	0x01	Without Trip computer
31	EUCD028	PRIVATE LOCKING TRUNK	0x02	Private locking trunk
41	EUCD029	CHILD LOCK REAR DOORS	0x03	Electrical child lock rear doors
42	EUCD030	UNLOCK SETTING	0x02	Two step opening
43	EUCD031	ACKNOWLEDGE SIGNAL LOCK ALARM	0x00	Not supported
44	EUCD032	AUTOMATIC LOCKING BY SPEED	0x00	Not supported

Tabbed Mode:

In Tabbed mode up to three files can be downloaded at a time.

Compare	Parameter	Description	Val.	Description
Download	EUCD001	VEHICLE TYPE	0x1B	X761
Save	EUCD002	DOORS	0x02	5 Door
Save As	EUCD003	TRANSMISSION DRIVELINE	0x02	All Wheel Drive (Without disconnect)
Print	EUCD004	BIFUEL	0x01	Not Bifuel
Settings	EUCD005	ENGINE TYPE	0x9B	AJ200D OR AJ21-D4 2.0 litre (4 Cylinder)
Exit	EUCD006	FUEL	0x02	Diesel
	EUCD007	ALTERNATOR	0x0C	Alternator 230A
	EUCD008	STEERING WHEEL POSITION	0x02	Right Hand Drive
0x0237 10	EUCD009	GEARBOX	0x4A	ZF 8 Speed Automatic Gearbox
0x0247 11	EUCD010	GEARBOXTYPE	0x02	Automatic gearbox
0x0257 12	EUCD011	FUEL TANK VOLUME	0x0B	Fuel Tank Small (50L)
0x0267 13	EUCD012	ALARM	0x00	Not supported
0x0277 14	EUCD013	SEAT MESSAGE	0x01	Seat Massage not Fitted
0x0287 15	EUCD014	HEADLIGHTS TYPE	0x03	Gas Discharge Lights with auto. adj.
0x0327 17	EUCD015	HEADLIGHTS SYMMETRY	0x00	Not Supported
0x0337 18	EUCD016	DAYRUNNING LIGHT	0x02	Standard dipped light. (Non-DTRL)
0x0347 19	EUCD017	DIMMED DIPPED HEADLIGHTS	0x00	Not supported
0x0357 20	EUCD018	FOGLIGHT FUNCTION	0x02	Foglight without restrictions
0x0367 21	EUCD019	REAR FOGLIGHT TOW FUNCTION	0x02	Foglights shut off when trailer is connected only trailers foglights are ru...
0x0377 22	EUCD020	TRAILER MODULE	0x01	Without Trailer Module
0x0387 23	EUCD021	KEYLESS ENTRY AND START	0x02	Keyless Entry And Start
0x0427 25	EUCD022	ADDITIONAL HEATER	0x01	Without fuel fired heater
0x0437 26	EUCD023	CRUISE CONTROL	0x02	Cruise Control
0x0447 27	EUCD024	RAINSENSOR	0x00	Not supported
0x0457 28	EUCD025	HEADLIGHT CLEANING	0x00	Not supported
0x0467 29	EUCD026	POWER STEERING TYPE	0x09	Electric Power Steering with external torque control only only for JLR
0x0477 30	EUCD027	TRIP COMPUTER	0x01	Without Trip computer
0x0487 31	EUCD028	PRIVATE LOCKING TRUNK	0x02	Private locking trunk
0x0527 41	EUCD029	CHILD LOCK REAR DOORS	0x03	Electrical child lock rear doors
0x0537 42	EUCD030	UNLOCK SETTING	0x02	Two step opening

The As-Is file contains the last version uploaded to the DFSM server by Pathfinder or the CCF editor. After making any edits as required the file can be Uploaded to the DFSM server. Click on File and the Upload as shown below.

File	Parameter	Description	
Open	EUCD001	VEHICLE TYPE	
Compare	EUCD002	DOORS	
Copy to	EUCD003	TRANSMISSION DRIVELINE	
Download	EUCD004	BIFUEL	
Save	EUCD005	ENGINE TYPE	
Save As	EUCD006	FUEL	
Upload	EUCD007	ALTERNATOR	
Print	EUCD008	STEERING WHEEL POSITION	
Exit	EUCD009	GEARBOX	
	EUCD010	GEARBOXTYPE	
599	12	EUCD011	FUEL TANK VOLUME
615	13	EUCD012	ALARM
631	14	EUCD013	SEAT MESSAGE
647	15	EUCD014	HEADLIGHTS TYPE
807	17	EUCD015	HEADLIGHTS SYMMETRY
823	18	EUCD016	DAYRUNNING LIGHT
839	19	EUCD017	DIMMED DIPPED HEADLIGHTS

The VBF file will be automatically saved if required and then uploaded to the DFSM server.

It is also possible to copy a downloaded file to either SDD or Pathfinder using the Copy To option from the file menu, this is not a necessity when using Pathfinder as it will automatically load the As-Is file on VIN read.

The Upload and Copy to options are not available unless a file has been downloaded from the server.

Compare VBF Files

It is possible to compare two vbf files of the same generation the maximum number of compare windows or tabs is one. In either mode it is possible to start without any vbf loaded by selecting File->Compare the first file opened will be loaded into the window or first open file tab.

The second file opened will be used to compare against the first and another window will open or a tab will appear as shown.

Window Mode:

MDf	Parameter	Description	Val	Setting	Val	Setting
295	EUCDD01	VEHICLE TYPE	0x18	X761	0x18	X761
311	EUCDD02	DOORS	0x02	5 Door	0x02	5 Door
327	EUCDD03	TRANSMISSION DRIVELINE	0x02	All Wheel Drive (Without disconnect)	0x02	All Wheel Drive (Without disconnect)
343	EUCDD04	BFUEL	0x01	Not Bifuel	0x01	Not Bifuel
359	EUCDD05	ENGINE TYPE	0x0C	A1200P OR A121-P4 2.0 litre I4 Cylinder	0x09	3.0 24V DOHC V6 TJC DSL
365	EUCDD06	FUEL	0x01	Flexfuel	0x02	Flexfuel
381	EUCDD07	ALTERNATOR	0x0C	Alternator 230A	0x03	Alternator 220A
551	EUCDD08	STEERING WHEEL POSITION	0x02	Right Hand Drive	0x02	Right Hand Drive
567	EUCDD09	GEARBOX	0x4A	ZF 8 Speed Automatic Gearbox	0x4A	ZF 8 Speed Automatic Gearbox
583	EUCDD10	GEARBOX TYPE	0x02	Automatic gearbox	0x02	Automatic gearbox
599	EUCDD11	FUEL TANK VOLUME	0x00	Not supported	0x00	Not supported
615	EUCDD12	SEAT	0x00	Not supported	0x03	Alarm No. Car 1 (parameter and theft) DO NOT USE
631	EUCDD13	SEAT MASSAGE	0x01	Seat Massage not fitted	0x01	Seat Massage not fitted
647	EUCDD14	HEADLIGHTS TYPE	0x03	Gas Discharge Lights with auto. adj.	0x04	Advanced Xenon lighting system with auto. adj. / Bi-Xenon
807	EUCDD15	HEADLIGHTS SYMMETRY	0x00	Not Supported	0x00	Not Supported
823	EUCDD16	DAY/RAINING LIGHT	0x02	Standard dipped light. (Non-DTRL)	0x02	Standard dipped light. (Non-DTRL)
839	EUCDD17	DIMMED DIPPED HEADLIGHTS	0x00	Not supported	0x00	Not supported
855	EUCDD18	FOGLIGHT FUNCTION	0x02	Foglight without restrictions	0x01	Without foglight
871	EUCDD19	REAR FOGLIGHT TOW FUNCTION	0x02	Foglights shut off when trailer is connected only trailer.	0x02	Foglights shut off when trailer is connected only trailer.
887	EUCDD20	TRAILER MODULE	0x01	Without Trailer Module	0x01	Without Trailer Module
903	EUCDD21	KEYLESS ENTRY AND START	0x02	Keyless Entry And Start	0x02	Keyless Entry And Start
1063	EUCDD22	ADDITIONAL HEATER	0x01	Without fuel fired heater	0x01	Without fuel fired heater
1095	EUCDD24	RAINSENSOR	0x00	Not supported	0x00	Not supported
1111	EUCDD25	HEADLIGHT CLEANING	0x00	Not supported	0x00	Not supported
1127	EUCDD26	POWER STEERING TYPE	0x0A	Electric Power Steering with external angle and torque	0x07	Electric Power Steering without external angle/torque
1143	EUCDD27	TRIP COMPUTER	0x01	Without Trip computer	0x01	Without Trip computer
1159	EUCDD28	PRIVATE LOCKING TRUNK	0x02	Private locking trunk	0x02	Private locking trunk
1319	EUCDD29	CHILD LOCK REAR DOORS	0x03	Electrical child lock rear doors	0x03	Electrical child lock rear doors
1335	EUCDD30	UNLOCK SETTING	0x02	Two step opening	0x02	Two step opening
1351	EUCDD31	ACKNOWLEDGE SIGNAL LOCK ALARM	0x00	Not supported	0x00	Not supported
1367	EUCDD32	AUTOMATIC LOCKING BY SPEED	0x00	Not supported	0x00	Not supported
1383	EUCDD33	LEVEL SENSOR IF ALARM	0x02	With level sensor	0x02	With level sensor
1399	EUCDD34	Key lock in Protection EXT	0x04	Ext scan for key prior/post to tailgate closure - both	0x04	Ext scan for key prior/post to tailgate closure - both
1415	EUCDD35	Key lock in Protection INT	0x03	Interior Scan for ANY KEY IN VEHICLE to prevent clas...	0x03	Interior Scan for ANY KEY IN VEHICLE to prevent cla...
1575	EUCDD36	PANIC ALARM	0x00	Not supported	0x00	Not supported
1591	EUCDD37	BLIND SPOT INFORMATION SYSTEM	0x06	Blind Spot Information System with RTD (Rear traffic ...	0x06	Blind Spot Information System with RTD (Rear traffic ...
1607	EUCDD38	ROAD FRICTION DETECTION	0x01	Without Road Friction Detection System	0x01	Without Road Friction Detection System
1623	EUCDD39	PTC HEATER SUPPLEMENTARY AIR HEATER	0x02	With PTC heater	0x02	With PTC heater
1639	EUCDD40	BATTERY REAR	0x00	Not supported	0x00	Not supported
1655	EUCDD41	COUPE FILTER	0x00	Not supported	0x00	Not supported
1671	EUCDD42	CLIMATE CONTROL UNIT	0x09	Dual Zone ATC	0x09	Dual Zone ATC
1831	EUCDD43	SPEED LIMITATION	0x00	Not supported	0x00	Not supported
1847	EUCDD44	SPEED WARNING DEVICE	0x00	Not supported	0x00	Not supported

Tabbed Mode:

MDf	Parameter	Description	Val	Setting	Val	Setting
0x18	EUCDD01	VEHICLE TYPE	0x18	X761	0x18	X761
0x02	EUCDD02	DOORS	0x02	5 Door	0x02	5 Door
0x02	EUCDD03	TRANSMISSION DRIVELINE	0x02	All Wheel Drive (Without disconnect)	0x02	All Wheel Drive (Without disconnect)
0x01	EUCDD04	BFUEL	0x01	Not Bifuel	0x01	Not Bifuel
0x0C	EUCDD05	ENGINE TYPE	0x0C	A1200P OR A121-P4 2.0 litre I4 Cylinder	0x09	3.0 24V DOHC V6 TJC DSL
0x01	EUCDD06	FUEL	0x01	Flexfuel	0x02	Flexfuel
0x0C	EUCDD07	ALTERNATOR	0x0C	Alternator 230A	0x03	Alternator 220A
0x02	EUCDD08	STEERING WHEEL POSITION	0x02	Right Hand Drive	0x02	Right Hand Drive
0x4A	EUCDD09	GEARBOX	0x4A	ZF 8 Speed Automatic Gearbox	0x4A	ZF 8 Speed Automatic Gearbox
0x02	EUCDD10	GEARBOX TYPE	0x02	Automatic gearbox	0x02	Automatic gearbox
0x00	EUCDD11	FUEL TANK VOLUME	0x00	Not supported	0x00	Not supported
0x00	EUCDD12	SEAT	0x00	Not supported	0x03	Alarm No. Car 1 (parameter and theft) DO NOT USE
0x01	EUCDD13	SEAT MASSAGE	0x01	Seat Massage not fitted	0x01	Seat Massage not fitted
0x03	EUCDD14	HEADLIGHTS TYPE	0x03	Gas Discharge Lights with auto. adj.	0x04	Advanced Xenon lighting system with auto. adj. / Bi-Xenon
0x00	EUCDD15	HEADLIGHTS SYMMETRY	0x00	Not Supported	0x00	Not Supported
0x02	EUCDD16	DAY/RAINING LIGHT	0x02	Standard dipped light. (Non-DTRL)	0x02	Standard dipped light. (Non-DTRL)
0x00	EUCDD17	DIMMED DIPPED HEADLIGHTS	0x00	Not supported	0x00	Not supported
0x02	EUCDD18	FOGLIGHT FUNCTION	0x02	Foglight without restrictions	0x01	Without foglight
0x02	EUCDD19	REAR FOGLIGHT TOW FUNCTION	0x02	Foglights shut off when trailer is connected only trailer.	0x02	Foglights shut off when trailer is connect...
0x01	EUCDD20	TRAILER MODULE	0x01	Without Trailer Module	0x01	Without Trailer Module
0x02	EUCDD21	KEYLESS ENTRY AND START	0x02	Keyless Entry And Start	0x02	Keyless Entry And Start
0x01	EUCDD22	ADDITIONAL HEATER	0x01	Without fuel fired heater	0x01	Without fuel fired heater
0x00	EUCDD24	RAINSENSOR	0x00	Not supported	0x00	Not supported
0x00	EUCDD25	HEADLIGHT CLEANING	0x00	Not supported	0x00	Not supported
0x0A	EUCDD26	POWER STEERING TYPE	0x0A	Electric Power Steering with external angle and torque	0x07	Electric Power Steering without external angle/torque
0x01	EUCDD27	TRIP COMPUTER	0x01	Without Trip computer	0x01	Without Trip computer
0x02	EUCDD28	PRIVATE LOCKING TRUNK	0x02	Private locking trunk	0x02	Private locking trunk
0x03	EUCDD29	CHILD LOCK REAR DOORS	0x03	Electrical child lock rear doors	0x03	Electrical child lock rear doors
0x02	EUCDD30	UNLOCK SETTING	0x02	Two step opening	0x02	Two step opening

In both Window mode an Tabbed mode there is a show all check box as shown above, uncheck to show just the differences between the files.

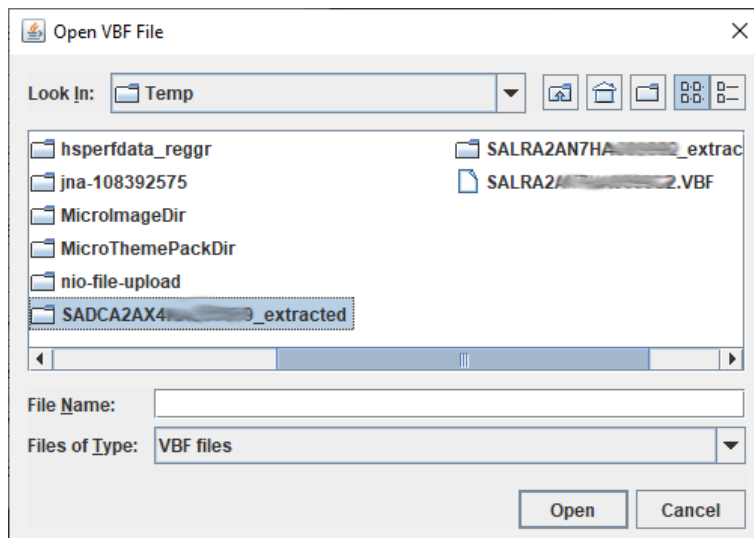
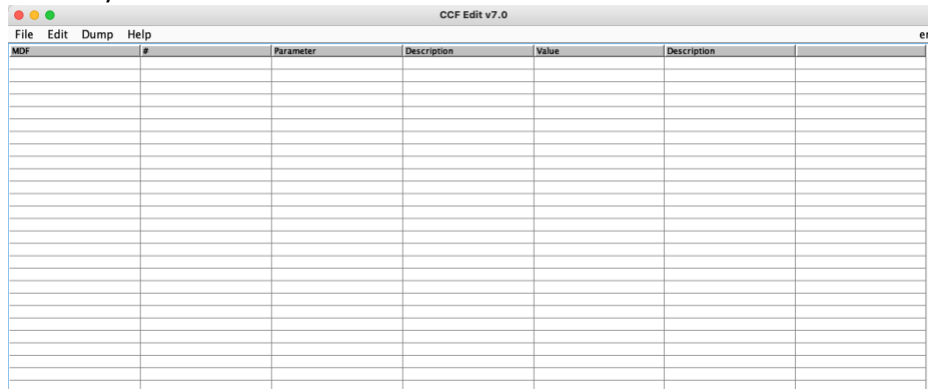
To compare files held on the DFSM server in Tabbed mode download them into the first two tabs.

Compare only operates on the first two tabs if the first tab has been closed compare will request to open a file.

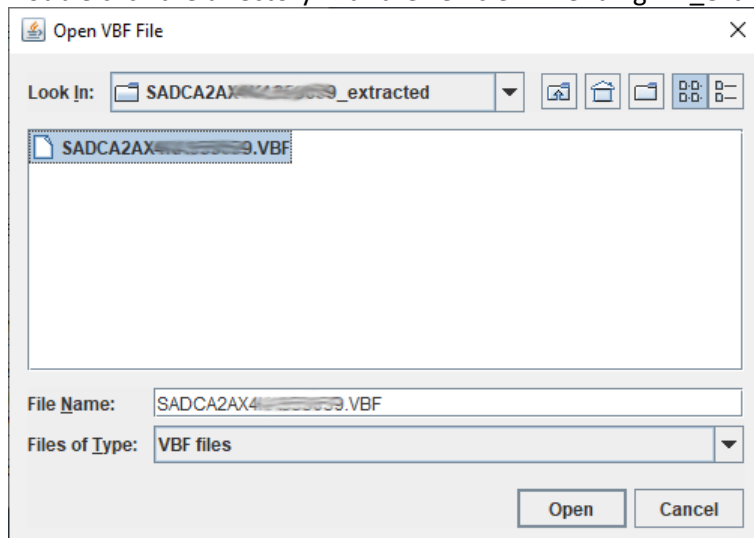
Using CCF Editor directly with Pathfinder

Start Pathfinder in the normal way, once start-up has completed and the VIN has been read and all modules loaded minimise Pathfinder.

In Windows or Tabbed mode click File->Open. As this is being used with Pathfinder the default directory will be the location Pathfinder.



Double click the directory with the vehicle VIN ending in '_extracted'.



Click open on the vbf file as shown above.
Edit the chosen parameter and click Update.

Please carefully read warning on last page of user guide

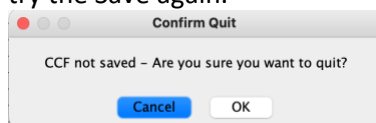
MDF #	Parameter	Description	Value	Description
6743	268	EUCD179	NEUTRAL CONTROL AUTO_GEAR	0x00 Not supported
6759	269	EUCD180	RPM SPEED CONTROLLER	0x00 Not supported
6775	270	EUCD181	DAMP SENSOR	0x02 Damp Sensor (direct to climate control ECU)
6791	271	EUCD182	ASTHMA AND ALLERGY	0x00 Not supported
6951	273	EUCD183	ENGINE COOLING FAN PERFORMANCE	0x08 Electric Fans
6967	274	EUCD184	GLOBAL OPEN/CLOSE	0x00 Not supported
6983	275	EUCD185	TRIP COMPUTER MIXED UNITS	0x02 MPI Units Available For Selection By Driver
6999	276	EUCD186	DOOR REMOTE CONTROL_CHANNEL TYPE	0x02 Door Remote Multi Channel
7015	277	EUCD187	AUDIO BUTTONS STEERING WHEEL	0x02 Audio Buttons In Steering Wheel
7031	278	EUCD188	HANDSFREE TELEMETRY FUNCTION	0x01 Without Telemete Function
7047	279	EUCD189	Shift into Park Apply	0x04 Shift into Park Apply Enabled Shift out of Park Release Enabled
7207	281	EUCD190	Rear Door Sublimator	0x01 Without Rear Door Blind
7223	282	EUCD191	DRIVER IMPAIRMENT MONITOR	0x01 Without Driver Impairment Monitor
7239	283	EUCD192	CITY SAFETY	0x00 Not supported
7255	284	EUCD193	PS Warning Strategy	0x02 Dual Level Strategy
7271	285	EUCD194	Mirror mounted turn signal	0x02 Mirror mounted turn signal
7287	286	EUCD195	Hybrid Trip Computer Power Ratio	0x00 Power Ratio not applicable
7303	287	EUCD196	Non Contact Fallgate	0x00 Undefined
7463	297	EUCD197	Climate Zone User Layout	0x02 2 Temperature 1 Distribution 1 Blower
7479	298	EUCD198	Eco Info System	0x15 Normal Vehicle - Imperial Gallon - 5 Seats
7495	299	EUCD199	NIGHTVISION	0x00 Not Configured
7511	300	EUCD200	Telematics 1	0x1F Telematics TCU fitted
7527	301	EUCD201	REVERSE GEAR CHIME	0x00 Not supported
7543	302	EUCD202	Solar Sensor	0x03 Front - Dual Zone - Rear - Not Fitted
7559	303	EUCD203	Telematics Protection	0x03 Telematics Protected
7719	305	EUCD204	RETRACTABLE RUNNING BOARD	0x00 Not supported
7715	106	EUCD205	RACING SUB BRAND	0x01 Mainstream Vehicle
7751	307	EUCD206	Driver Workload Manager	0x00 Not supported
7767	308	EUCD207	FRONT CAMERA	0x01 Without Front Camera/s
7783	309	EUCD208	STEERING COLUMN LOCK	0x00 Not supported
7799	310	EUCD209	Wade Sensor	0x01 (0001) Wade Sensing Not Fitted
7815	311	EUCD210	BATTERY	0x03 17 80Ah 700 Cold Cranking Ampere
7957	313	EUCD211	BATTERY MONITOR SENSOR	0x02 Battery Monitor Sensor
7991	314	EUCD212	REGION IF DVD	0x03 R2 EU/South Africa For DVD
8007	315	EUCD213	Eco Data Driver Information Display	0x04 Function enabled (Display information level 3)
8023	316	EUCD214	INTEGRATED CONTROL PANEL	0x03 Extended ICP
8039	317	EUCD215	Infotainment Theft Protection	0x00 Not supported
8055	318	EUCD216	Quiescent Relay Box	Jaguar R-Type
8071	319	EUCD217	PICTURE SUPPORT	Ford S-TDCI
8231	321	EUCD218	ICOR System Description	Jaguar RS sub-brand
8247	322	EUCD219	LANGUAGE REGION	Jaguar R-Type 12MY Onwards
8263	323	EUCD220	SIDE CAMERA	Range Rover RS
8279	324	EUCD221	Trailer Tyre Press Monitoring System	Jaguar S Sub-brand
8467	332	EUCD225	Advanced Chaffeur Function	SWD LE Sub-brand
8503	338	EUCD226	Intelligent Emergency Braking	0x01 Without LSEB

Verify the screen has updated with the settings requested as below.

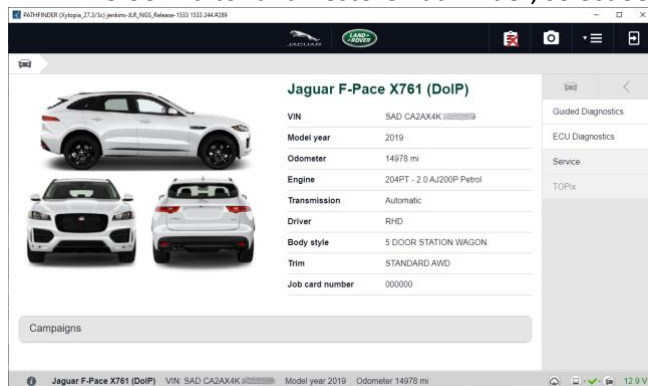
MDF #	Parameter	Description	Value	Description
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6759	269	EUCD180	RPM SPEED CONTROLLER	0x00 Not supported
6775	270	EUCD181	DAMP SENSOR	0x02 Damp Sensor (direct to climate control ECU)
6791	271	EUCD182	ASTHMA AND ALLERGY	0x00 Not supported
6951	273	EUCD183	ENGINE COOLING FAN PERFORMANCE	0x08 Electric Fans
6967	274	EUCD184	GLOBAL OPEN/CLOSE	0x00 Not supported
6983	275	EUCD185	TRIP COMPUTER MIXED UNITS	0x02 MPI Units Available For Selection By Driver
6999	276	EUCD186	DOOR REMOTE CONTROL_CHANNEL TYPE	0x02 Door Remote Multi Channel
7015	277	EUCD187	AUDIO BUTTONS STEERING WHEEL	0x02 Audio Buttons In Steering Wheel
7031	278	EUCD188	HANDSFREE TELEMETRY FUNCTION	0x01 Without Telemete Function
7047	279	EUCD189	Shift into Park Apply	0x04 Shift into Park Apply Enabled Shift out of Park Release Enabled
7207	281	EUCD190	Rear Door Sublimator	0x01 Without Rear Door Blind
7223	282	EUCD191	DRIVER IMPAIRMENT MONITOR	0x01 Without Driver Impairment Monitor
7239	283	EUCD192	CITY SAFETY	0x00 Not supported
7255	284	EUCD193	PS Warning Strategy	0x02 Dual Level Strategy
7271	285	EUCD194	Mirror mounted turn signal	0x02 Mirror mounted turn signal
7287	286	EUCD195	Hybrid Trip Computer Power Ratio	0x00 Power Ratio not applicable
7303	287	EUCD196	Non Contact Fallgate	0x00 Undefined
7463	297	EUCD197	Climate Zone User Layout	0x02 2 Temperature 1 Distribution 1 Blower
7479	298	EUCD198	Eco Info System	0x15 Normal Vehicle - Imperial Gallon - 5 Seats
7495	299	EUCD199	NIGHTVISION	0x00 Not Configured
7511	300	EUCD200	Telematics 1	0x1F Telematics TCU fitted
7527	301	EUCD201	REVERSE GEAR CHIME	0x00 Not supported
7543	302	EUCD202	Solar Sensor	0x03 Front - Dual Zone - Rear - Not Fitted
7559	303	EUCD203	Telematics Protection	0x03 Telematics Protected
7719	305	EUCD204	RETRACTABLE RUNNING BOARD	0x00 Not supported
7715	106	EUCD205	RACING SUB BRAND	0x04 Jaguar RS sub-brand
7751	307	EUCD206	Driver Workload Manager	0x00 Not supported
7767	308	EUCD207	FRONT CAMERA	0x01 Without Front Camera/s
7783	309	EUCD208	STEERING COLUMN LOCK	0x00 Not supported
7799	310	EUCD209	Wade Sensor	0x01 (0001) Wade Sensing Not Fitted
7815	311	EUCD210	BATTERY	0x03 17 80Ah 700 Cold Cranking Ampere
7957	313	EUCD211	BATTERY MONITOR SENSOR	0x02 Battery Monitor Sensor
7991	314	EUCD212	REGION IF DVD	0x03 R2 EU/South Africa For DVD
8007	315	EUCD213	Eco Data Driver Information Display	0x04 Function enabled (Display information level 3)
8023	316	EUCD214	INTEGRATED CONTROL PANEL	0x03 Extended ICP
8039	317	EUCD215	Infotainment Theft Protection	0x00 Not supported
8055	318	EUCD216	Quiescent Relay Box	QRR function enabled
8071	319	EUCD217	PICTURE SUPPORT	0x01 Without Picture Support
8231	321	EUCD218	ICOR System Description	0x01 2 Relay with Dumb logic
8247	322	EUCD219	LANGUAGE REGION	0x00 Not supported
8263	323	EUCD220	SIDE CAMERA	0x01 Without Side Camera
8279	324	EUCD221	Trailer Tyre Press Monitoring System	0x00 Not supported
8295	325	EUCD222	STOP START	0x02 Stop/Start
8311	326	EUCD223	Head Up Display	0x01 HUD Not fitted
8327	327	EUCD224	ADJUSTABLE SPEED LIMITER	0x02 ASL fitted
8467	332	EUCD225	Advanced Chaffeur Function	0x01 AFC not fitted
8503	338	EUCD226	Intelligent Emergency Braking	0x01 Without LSEB

Click on File->Save to save back to the original file to use immediately or SaveAs to use at a later time.

Click on the File->Exit, if the file has not been saved the following screen will appear click cancel and try the Save again.

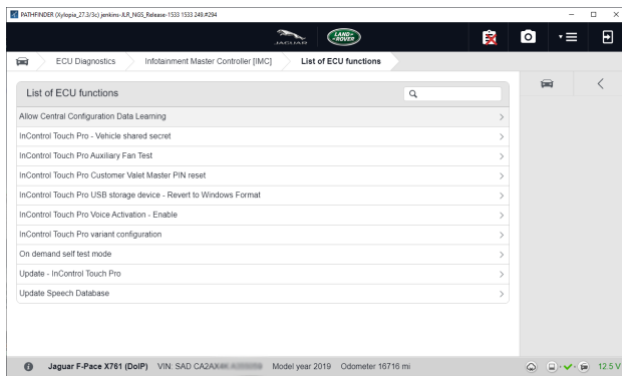


Minimize CCF Editor and Restore Pathfinder, select Service from the side menu.

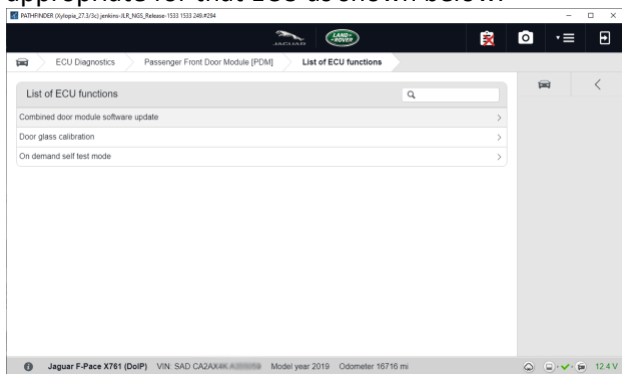



Click on 'Select CCF'.

Please carefully read warning on last page of user guide



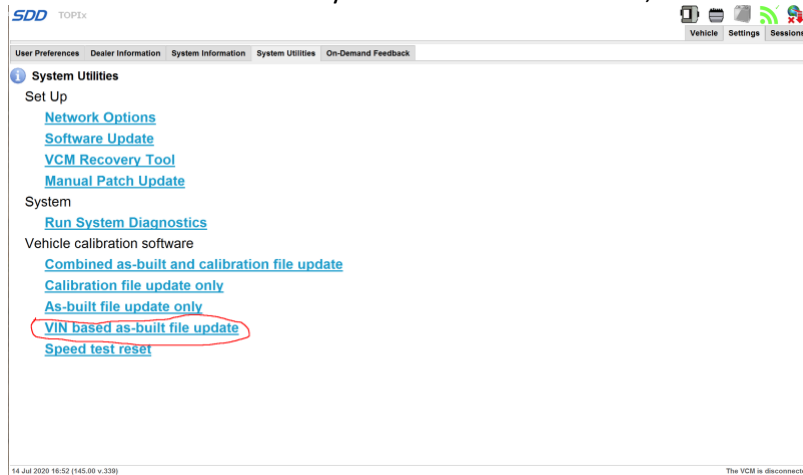
Select Allow Central Configuration Data Learning shown above or update the ECU whichever is appropriate for that ECU as shown below.



Ensure after completion that you exit Pathfinder properly using the exit  option this will save any changes back to the JLR servers so that next time you load Pathfinder it will be your modified file.

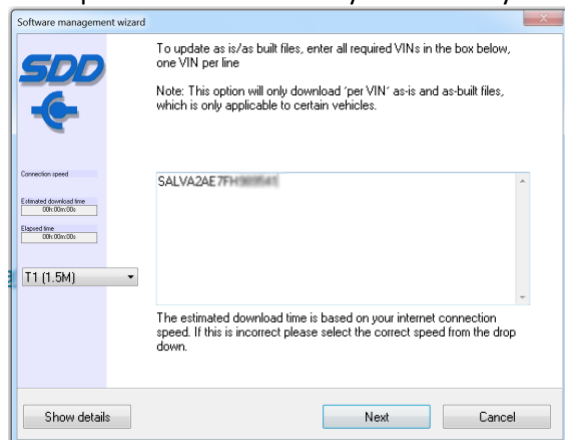
Using CCF Editor directly with SDD.

Start SDD in the normal way connected to the vehicle, click on the settings tab.

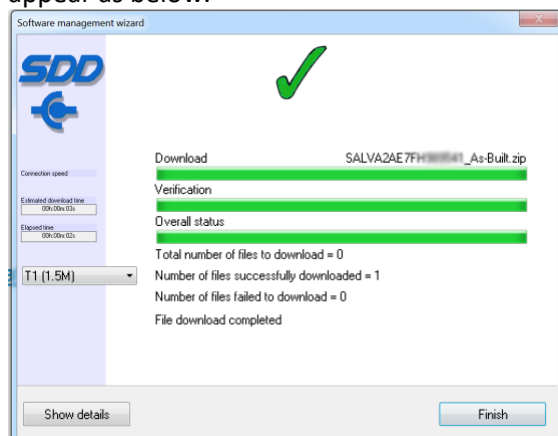


Select VIN based as-built file update from the menu and enter the vehicle VIN number in the box as shown in the next image.

To download As-Built files for a range of models select either 'As-built file update only' or 'Combined as-built and calibration file update', select the range of models required to download from the screens. !Warning! if you select both Jaguar and Land Rover and all models and years it will probably take in excess of 36 hours to download all of the files. For vehicles older than 2012 selection by VIN is not possible so selection by model and year is the only option.

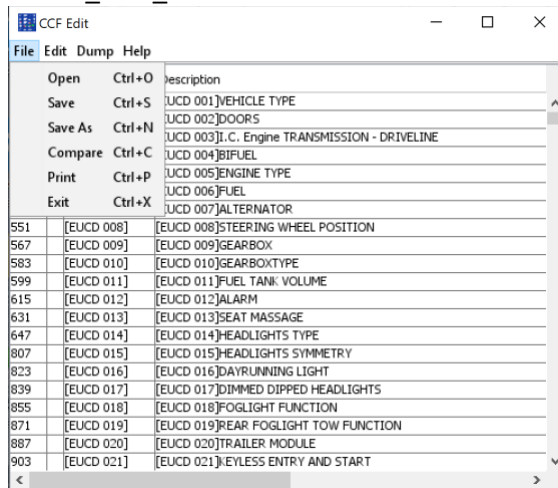


Click on Next this will initiate the download of the As-Built file from JLR, the result screen should appear as below.

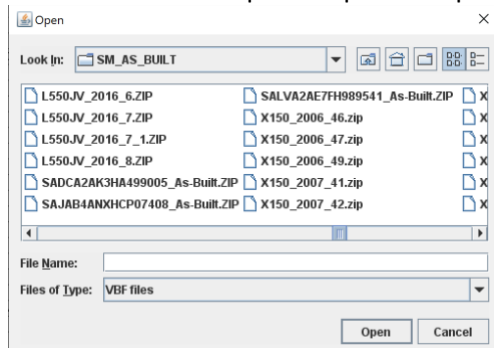


Note: There may be minor variations in the screens dependent of the SDD version in use.

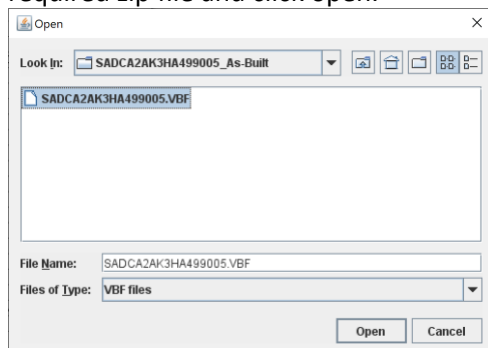
Click Finish to return to main window, minimise the SDD window and start the CCF editor. Click file the Open as shown below. If the you are selectin the vbf from a single download As-built file the file download is a zip file with the VIN_Number_As-Built.zip as the file name sometimes it may be VIN_Number_AS_IS.zip, if you are selecting from the range of VINS downloaded the file format is LNNN_YYYY_NN.zip for Land Rover and XNNN.YYYY.NN.zip for Jaguar which decodes as Model_Year_Batch.



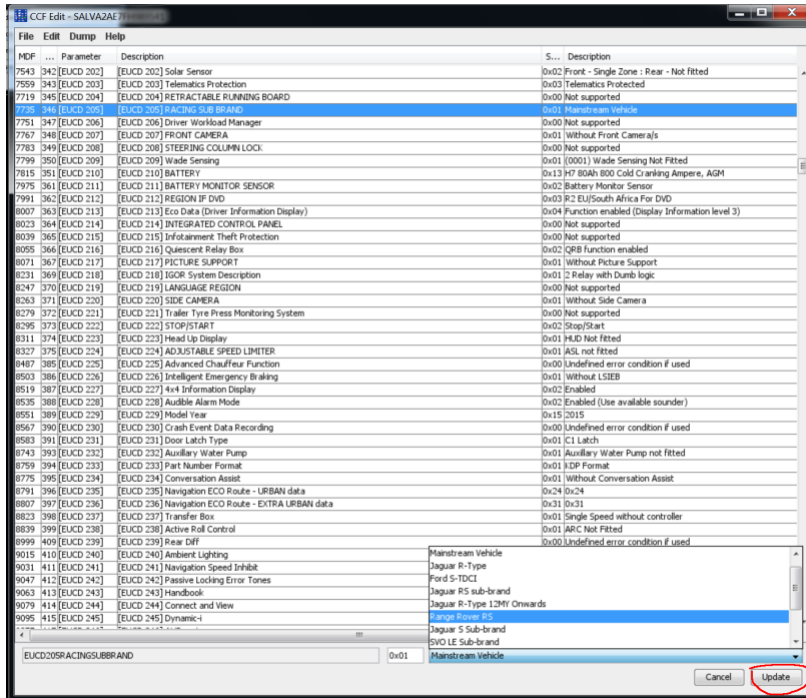
Select the desired zip file as per example.



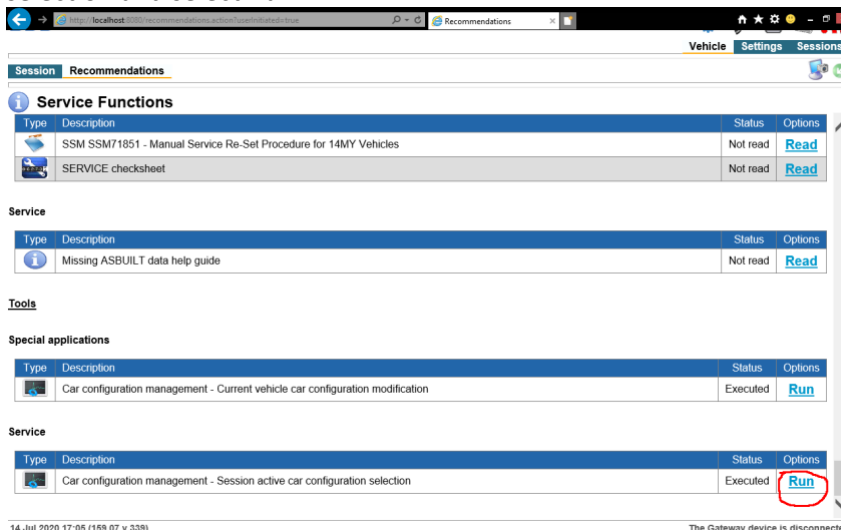
The window will change to another Open window showing the VBF files inside the zip file, select the required zip file and click open.



The window will change after loading to show all parameters in CCF file, click on the parameter that it is desired to change and from the drop down select the desired parameter and select Update.



Repeat the process for all parameter changes that are required. Once complete click file the save, it maybe be useful to also do a 'Save As' so that the file can be used again later, make sure that the 'Save As' after a 'Save' as it is only the 'Save' option re-writes the zip file so it can be used by SDD. The As-built file can be downloaded again as the downloaded file will always be the as factory settings without any changes you have made if it is downloaded from JLR again. Exit from CCF editor or just maximise the SDD window and select Recommendations from the top bar. Scroll down until you see Car Configuration Management -Session Active car configuration selection and select Run.



It will take some time click on the green ticks when requested to, until the screen below is visible.

Session Recommendations

Session entry car configuration summary
Active session active car configuration source is: GWM

WIN	SALVA2AE7FH089541	GWM	BCM	AS_BUILT
Car configuration type				
Car configuration role	Master	Backup	As built	
Car configuration status	✓	✓	✓	
Session active	1	-	-	
Critical mismatches	NA	0	2	
Personalisation mismatches	NA	0	2	✓

14 Jul 2020 17:05 (159.07 v.339) The Gateway device is disconnected.

Click on the tick to advance to the window below and select As Built as shown.

Session Recommendations

Active session car configuration data and alternate car configuration status

Group title	Description	Value	?	2	2
Additional heater		Without fuel fire heater			
Rear air conditioning		Rear floor console with no re...			
Navigation		High navigation system with ...			
Power fold mirrors		Fitted			
Lane departure warning		No lane departure warning o...	!		
Audio unit (radio) band/frequency setting		Frequency band and step for ...			
Radio, amp and speaker system		High performance			
Audio player		Single DVD player with MP3			
Navigation system		Navigation system for Europe			

Active session car configuration source is: GWM

Use the buttons below to change the active session car configuration source

Module	Status	Description	Type	Value	HEX
GWM	✓	Gateway module	Vehicle master module	Without fuel fir...	0x01
BCM	✓	Body control module	Vehicle backup module	Without fuel fir...	0x01
As built file	✓	SALVA2AE7FH089541.VBF	Versatile binary file	Without fuel fir...	0x01

GWM BCM **As built file** Select other

14 Jul 2020 17:05 (159.07 v.339) The Gateway device is disconnected.

Click on the tick at the next window user preference difference will be shown any that require to be kept, click on the corresponding arrow as shown. The left arrow is new settings the right is keep old settings, this has to be done for each setting that is different. When complete click the green tick.

Session Recommendations

List of personalisation parameters for copying

Description	Current vehicle settings	Selected session active settings
Automatic re-locking	Automatic re-locking	Undefined
Windshield wipers up-stroke wash	Not fitted	Fitted

Take session active setting **→** Keep current state **←**

User selected session active car configuration source is: As built file

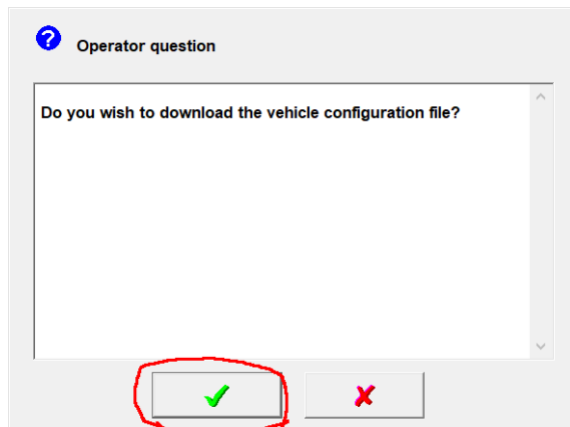
Select a personalisation parameter and use the buttons below to choose whether to accept the new value from the proposed active session car configuration file or reject this and retain the previously stored value.

Module	Status	Description	Type	Value	HEX
GWM	✓	Gateway module	Vehicle master module	Automatic re-lo...	0x02
As built file	✓	SALVA2AE7FH089541.VBF	Versatile binary file	Undefined	0x00

Automatic re-locking item help not yet available.

14 Jul 2020 17:05 (159.07 v.339) The Gateway device is disconnected.

At the next screen click the green tick and the modified CCF will be downloaded to the vehicle.



SDD will attempt to upload required firmware changes to vehicle new modules may still need to be configured as normal. Please again note that screens may differ slightly based on version of SDD.

Using CCF Editor on a different PC to Pathfinder or SDD

If the CCF editor is installed on a different PC to Pathfinder editing the ccf is only slightly different. First start Pathfinder as normal and allow VIN to be read when the vehicle screen appears minimize Pathfinder and using windows file explorer navigate to C:\users\\AppData\local\temp. You will then need to double click on the folder name with the vehicle VIN_extracted to open that folder. Copy the vbf file to a suitable USB stick. Then in the PC with CCF editor installed copy the vbf file to your home directory which will be C:\Users\

If using SDD the directory is

C:\ProgramData\JLR\IDS\Sessions\SOFTWARE_MANAGEMENT\SM_AS_BUILT and all vbf files are inside zipped files either single vbf in one file or hundreds based on model, year and batch. When opening a vbf from a zip file copy the whole zip file from the SDD machine to a USB stick and copy into your home area on the PC then copy back after changes are made.

Dump Files

The following dumps of the ccf files are available, VBF dump (full file dump), CCF dump (ccf data only), XMF dump will dump the as built XML file associated with the CCF if available. In Window mode a separate window will open in Tabbed mode a new tab will open.

Using Find

Click on Edit->Find

Click on Find the first row with matching data will be highlighted as below. Find searches only in columns parameter and parameter description.

Please carefully read warning on last page of user guide

Mod#	#	Parameter	Description	Value	Description
295	1	EUCD001	VEHICLE TYPE	0x027	1540
311	2	EUCD002	DOORS	0x02	5 Door
327	3	EUCD003	TRANSMISSION DRIVELINE	0x03	All Wheel Drive (With disconnect)
345	4	EUCD004	BREK	0x01	Not fitted
359	5	EUCD005	ENGINE TYPE	0x0c	AJ20DP OR AJ21-P4 2.0 litre (4 Cylinder)
375	6	EUCD006	FUEL	0x01	Petrol
391	7	EUCD007	ALTERNATOR	0x0c	Alternator 230A
551	9	EUCD008	STEERING WHEEL POSITION	0x01	Left Hand Drive
567	10	EUCD009	GEARBOX	0x010	5 Speed Auto Gearbox
583	11	EUCD010	GEARBOXTYPE	0x02	Automatic gearbox
599	12	EUCD011	FUEL TANK VOLUME	0x08	Fuel Tank Small (50L)
615	13	EUCD012	ALARM	0x00	Not supported
631	14	EUCD013	SEAT MASSAGE	0x01	Seat Massage not fitted
647	15	EUCD014	HEADLIGHTS TYPE	0x08	Main LED non-AJ51.3/non-HB
807	17	EUCD015	HEADLIGHTS SYMMETRY	0x00	Not supported
824	18	EUCD016	DAY/RAINING LIGHT	0x02	Standard dipped light (Non-DTRL)
839	19	EUCD017	DIMMED DIPPED HEADLIGHTS	0x00	Not supported
855	20	EUCD018	FOGLIGHT FUNCTION	0x04	Foglight Front
871	21	EUCD019	REAR FOGLIGHT TON FUNCTION	0x00	Not supported
887	22	EUCD020	TRAILER MODULE	0x01	Without Trailer Module
903	23	EUCD021	KEYLESS ENTRY AND START	0x02	Keyless Entry And Start
1063	33	EUCD022	ADDITIONAL HEATER	0x01	Without Fuel Fired Heater
1079	34	EUCD023	CRUISE CONTROL	0x02	Cruise Control
1095	35	EUCD024	RAINSENSOR	0x00	Not supported
1111	36	EUCD025	HEADLIGHT CLEANING	0x00	Not supported
1127	37	EUCD026	POWER STEERING TYPE	0x0A	Electric Power Steering with external angle and torque control only for...
1143	38	EUCD027	TIP COMPUTER	0x00	Not supported
1159	39	EUCD028	PRIVATE LOCKING TRUNK	0x00	Not supported
1335	42	EUCD030	UNLOCK SETTING	0x02	Two step opening
1351	43	EUCD031	ACKNOWLEDGE SIGNAL LOCK ALARM	0x00	Not supported
1367	44	EUCD032	AUTOMATIC LOCKING BY SPEED	0x00	Not supported
1383	45	EUCD033	LEVEL SENSOR IF ALARM	0x01	Without level sensor
1399	46	EUCD034	Key lock in Protection EXT	0x04	Ext scan for key prior (post to tailgate closure - both options 2 and 3...
1415	47	EUCD035	Key lock in Protection INT	0x03	Interior Scan for ANY KEY IN VEHICLE to prevent clash of scans betwe...
1575	49	EUCD036	PANIC ALARM	0x00	Not supported
1591	50	EUCD037	Blind Spot Information SYSTEM	0x00	Blind Spot Information System disabled with RTD (Rear traffic detection)
1607	51	EUCD038	ROAD FRICTION DETECTION	0x00	Not supported
1623	52	EUCD039	PTC HEATER SUPPLEMENTARY AIR HEATER	0x02	With PTC heater
1639	53	EUCD040	BATTERY REAR	0x00	Not supported
1655	54	EUCD041	COUPE FILTER	0x00	Not supported
1671	55	EUCD042	CLIMATE CONTROL UNIT	0x09	Dual Zone ATC
1831	65	EUCD043	SPEED LIMITATION	0x00	Not supported
1847	66	EUCD044	SPEED WARNING DEVICE	0x00	Not supported
1863	67	EUCD045	INSTRUMENT CLUSTER CALIBRATION	0x00	Not supported
1879	68	EUCD046	WHEEL BRAKES TYPE FRONT	0x00	Not supported
1895	69	EUCD047	INTERIOR MOTION SENSOR	0x01	Without Interior Movement Sensor
1911	70	EUCD048	HEARTBEAT SENSOR	0x00	Not supported

To find again click on Edit->FindNext or F3 again to use the same search just click enter.

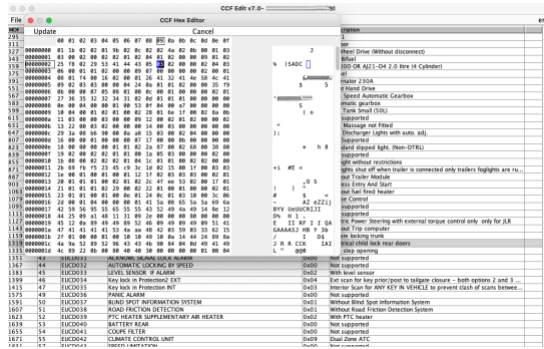
To find all occurrence of the search term click on Edit->FindAll

Using Hex Editor

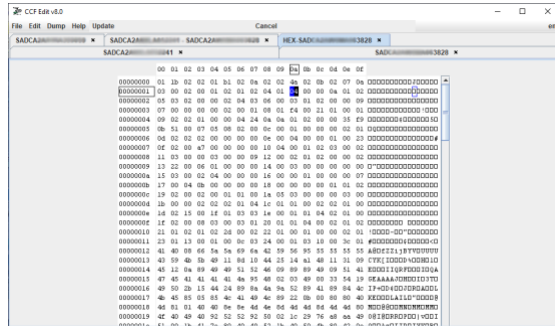
The Hex editor gives the facility to directly edit the binary data of the ccf if you must.

Open or download a vbf file as in previous sections. Click on Edit and then click on Hex Edit, this will open the hex editor as shown below, or click on any row or use find to find a row click on Edit and then click on Hex Edit this will open the hex editor with the cursor on the relevant byte in the CCF file. If you change the data and click on update it will update the record on screen only you still need to save the file in the normal way.

Window mode:



Tabbed mode:



Factory Default for NGI vehicles

For all vehicles that can be downloaded from the DFSM server two zips files are generally download the As-Built zip and As-Is zip all uploads go back to the DFSM server as As-Is, so to reset to factory build when downloading select the As-Built as the chosen vbf file and immediately upload this back to the server this will save the factory default to the As-Is, Pathfinder or SDD can then be used to upload this to the vehicle effectively resetting the vehicle to factory default.

Useful information

Pathfinder As Built directory – C:\users\<username>\AppData\local\temp

Pathfinder As Built directory – <VIN>_extracted this directory is downloaded from Topix every time the VIN is read from the vehicle however after a save and successful load to the vehicle it will be uploaded to JLR so changes made will be downloaded every time. It is an idea before changes are made that a copy is made of the original as built file. The original As-Built file can be downloaded using download.

SDD As Built directory -

C:\ProgramData\JLR\IDS\Sessions\SOFTWARE_MANAGEMENT\SM_AS_BUILT

SDD As Built Files - <VIN>_AS_Built.zip and Model_YEAR_Batch.zip files, the ccf editor will automatically extract the selected vbf file and repack the file if it is opened using Open and then saved using the Save option.

Note some as built files return with <VIN>_AS_IS.zip if the file is available. A VBF can be saved to a USB stick and used with the Car Configuration Management tool by selecting other as the source for the CCF.

The Editor when closing may wait for a period before fully exiting this is to clean up all temporary stores created when open files and folders. It may also appear to take a long time open some of the SDD zip archive files this is caused by the number of VINS in the file which can vary from one to thousands depending on the batch number.

Compare will open the and load the first file into the table if one is not loaded this will disable Upload and Copy to. After a file has been downloaded it can be compared to any VBF stored locally this will not disable Upload and Copy to.

The license will not work if the system date is older than the license issue date, if you need to run SDD with a specific date then run CCF Editor on a different PC.

WARNING:

Editing the CCF of a vehicle can be dangerous and can cause damage to the vehicle if being carried out by unskilled people. If there is any doubt about the changes being made DO NOT UPLOAD TO THE VEHICLE.