

How To Retrofit European 7" Uconnect Touchscreen Radio in 2016^ Abarth 595



Guide Written by: Mike Dean (Member of Abarth Owners Club)

Credit: Dan Dyer, Oliver Sparkes (Members of Abarth Owners Club) and the Man with NO NAME

DISCLAIMER

This modification has worked for multiple 2017 & 2018 USA & UK Abarth 595 models BUT does NOT guarantee it will work for you

Fiat/Abarth approved service centre vehicle software updates will likely reverse this modification

Fiat/Abarth approved service centre could potentially reject ALL warranty due to non approved modification

Proceed with CAUTION

Parts Required

Radio/Nav Unit

CONTINENTAL Fiat 312 7" vp2 EMEA DAB NAV

Part Number 07356831240 or 07357282360 (Tried & Tested)

Fiat/Abarth offer many other part numbers for this VP2 model, buy at risk

Trim and Vents 7" Central Trim

Part Number 735672257 (Abarth Silver 7" Trim) or 735672255 (Fiat Black 7" Trim)

Suitable side vents may be required

GPS Antenna

Part Number 0052034268

Only required if you currently have no navigation

Tools Required

Laptop

Software compatible device

Coding software

MultiECUScan or equivalent to perform a proxi alignment

Install per Software instructions

OBD cable

Gendan OBD cable & CAN bus adapter or equivalent

Trim Tool

Plastic Trim Removal Tool

Drive

T25 Torx

Modification Stage 1

Removal of AC control bezel (Trim removal tool) to expose and remove 2 x T25 screws holding dash front

Open glove box and remove 1 x TXX screw holding dash front

Removal of Dash front (Trim removal tool) to expose and remove 4 x T25 screws holding in central trim and vents

Removal of 4 x T25 screws holding in radio to dash

Removal of connecting harnesses.

Modification Stage 2

(Reverse of Stage 1)

Install suggested 7" Central Trim and suitable LH & RH vents using 4 x T25 screws

Mount suggested GPS Antenna with double sided tape to back of dash

Connect existing harnesses and GPS Antenna to 7" Radio/NAV

Install suggested 7" Radio/NAV unit using 4 x T25 screws

Install dash front using 2 x T25 1 x TXX screws

Install AC control bezel

Modification Stage 3

Expose OBD Port

Ignition to ON (Engine not running)

Connect suggested OBD cable & CAN bus adapter together

Plug in cable to OBD port

Plug cable to USB laptop port

Start MultiECUScan. (Guide established on Version 4.6R1)

Proceed with CAUTION!

Modification Stage 4

Select: FIAT 500 1.4 Turbo 16V TJet/MultiAir Abarth > Body > CAN Setup / Proxi Alignment Procedure (models with Uconnect) > Connect (F10)

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F2 Select

F5 Graph

Make	Model/Version
Alfa Romeo	500 1.4 Turbo 16V T-Jet/MultiAir Abarth
Fiat	500e EV
Lancia	500L 0.9 Turbo TwinAir
Chrysler	500L 1.3 Multijet 16V
Dodge	500L 1.4 16V T-Jet/MultiAir
Jeep	500L 1.6 Multijet 16V
Suzuki	500X 1.3 Multijet 16V
[Recent]	500X 1.4 16V T-Jet/MultiAir
	500X 1.6 16V
	500X 1.6 Multijet 16V
	500X 2.0 Multijet 16V
	Albea 1.2 16V

System	Control Module
Engine	Body Computer Delphi (312)
ABS	Body Computer Delphi (312) MY12
Airbag	Body Computer Delphi (595)
Electric Steering	CAN Info
Gearbox	CAN Setup / PROXI Alignment Procedure
Dashboard	CAN Setup / PROXI Alignment Procedure (2014+)
Body	CAN Setup / PROXI Alignment Procedure (models with Uconnect)
Service	
Climate control	
Headlights	
Other	

Register

F9 Settings

PDF

F10 Simulate

F12 Scan DTC

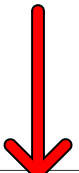
F11 Scan

F10 Connect

Send Report

multiecuscan
Advanced vehicle diagnostics software

www.multiecuscan.net



Once connected select: Adjustment Tab

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F2 Info

F5 Graph

F7 Adjustments

Fiat 500 1.4 Turbo 16V T-Jet/MultiAir Abarth

CAN Setup / PROXI Alignment Procedure (models with Uconnect)

Body Computer Node (BCM/NBC)	EOL Ok
Engine Control Node (ECM/NCM)	Ok
Electric Steering Node (EPS/NGE)	Ok
Dashboard Node (IPC/NQS)	EOL Failed
Receiver Radio (NRR)	Ok
Brake System Node (ABS/BSM/NFR)	Ok
Driver Door Node (NPG)	Removed
Airbag Node (NAB/ORC)	EOL Ok
Convergence Telematic Node (CTM)	Added / EOL Ok
Entertainment Telematic Node (ETM)	Removed

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F11 Disconnect

Fiat 500 1.4 Turbo 16V T-Jet/MultiAir Abarth - CAN Setup / PROXI Alignment Procedure (models with Uconnect) - [] SIMULATION MODE!!! THE DATA IS NOT REAL!!!

Press Control+Alt+C: The PROXI window will appear
COPY & PASTE YOUR CODE TO NOTES AND SAVE AS A BACK UP!

Multiecuscan 4.6R1 REGISTERED

F2 Info F5 Graph F7 Adjustments

PROXI ALIGNMENT PROCEDURE

Cruise control	Disabled
Engine type	Diesel
Driver's side	LHD
Country code	
Fog lights	Enabled
Rear fog lights	Not present
Brake lights	
Side lights	
ABS System	
Display external temperature on dashboard	
Rain sensor	
Dusk sensor	
Mirror heater	
Heated windscreen	
Hazard lights switch-on in deceleration	
Steering wheel paddles	
STOP&START function	
Tire pressure monitoring system (TPMS)	
Indirect tire pressure monitoring system (iT)	
Steering wheel buttons (1)	
Steering wheel buttons (2)	
Multimedia: FM2 radio	
Multimedia: DAB radio	
Multimedia: GPS module	
Multimedia: Cellular module	
Multimedia: Navigation	
Multimedia: Navigation info repeat	
Multimedia: Phone info repeat	
Multimedia: External media ports	

The PROXI Alignment procedure is used to configure the modules connected to the CAN network of the vehicle. A flashing odometer indicates the the PROXI is not aligned properly. If your odometer flashes or you have added/removed/replaced CAN modules from your vehicle then you need to execute this procedure. The most common cases when you need PROXI Alignment is after replacing your Instrument Cluster or after replacing/retrofitting a Connect Nav module.

NOTE: Please read carefully all data on the "Info" screen. Check if available and configured modules correspond to your vehicle. Also, if the Info screen shows that added or removed ECUs are detected, check if those ECUs are detected correctly.

NOTE: Make sure that your Multiecuscan log files folder is configured properly as the program will write some important information about your current PROXY configuration log file to the author in case of procedure failure.

"nd" and "Alarm Country Mode" will be restored to the procedure. You may need to connect to the Body settings after execution of this procedure (you need to security code to do that).

AT the procedure once it has started. The key should be at successfull execution of the procedure turn your key to s before turning it back ON.

Custom PROXI

```
33 38 31 39 39 30 30 35 31 34 34 4F 55 54 50 55 54 2D 4A 49 54 20 06
07 13 6F 00 00 04 02 00 00 00 09 00 00 04 02 00 00 00 C1 00 03 07 3F
00 2A 20 A3 80 00 06 00 00 00 94 06 03 02 00 00 00 00 0A 10 05 04
00 00 00 00 00 00 00 00 00 11 0D 50 00 10 00 00
```

Byte 0

OK

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F11 Disconnect F10 Execute

-TIME TO EDIT YOUR PROXI CODE-

Create additional Hexadecimal places at the end of your current code: Add 00 00 00 00 00 00.....until you reach 193 Bytes

You can count Bytes by clicking in between each "00".(the number will appear in the lower left PROXI window).

Multiecuscan 4.6R1 REGISTERED

Info Graph Adjustments

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Tire pressure monitoring system (TPMS)	
Indirect tire pressure monitoring system (iT)	
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00 00 00 00 00 00 00 00 00 00 11 0D 50 00 10 00 00
```

Byte 85

program will write some important

log t

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ces

s be

Custom PROXI

```
33 38 31 39 39 30 30 35 31 34 34 4F 55 54 50 55 54 2D 4A 49 54 20 06
07 13 6F 00 00 04 02 00 00 00 09 00 00 04 02 00 00 00 C1 00 03 07 3F
00 2A 20 A3 80 00 06 00 00 00 94 06 03 02 00 00 00 00 00 00 0A 10 05 04
00 00 00 00 00 00 00 00 00 00 11 0D 50 00 10 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
```

Byte 193

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File Disc (iT)

You will then need to change the following within your code

Byte 30 – Change to = 10

Byte 38 - Change to = 10 (Prevent milage from flashing on speedo)

Byte 121 - Change to = 44 (Navi+Audio)

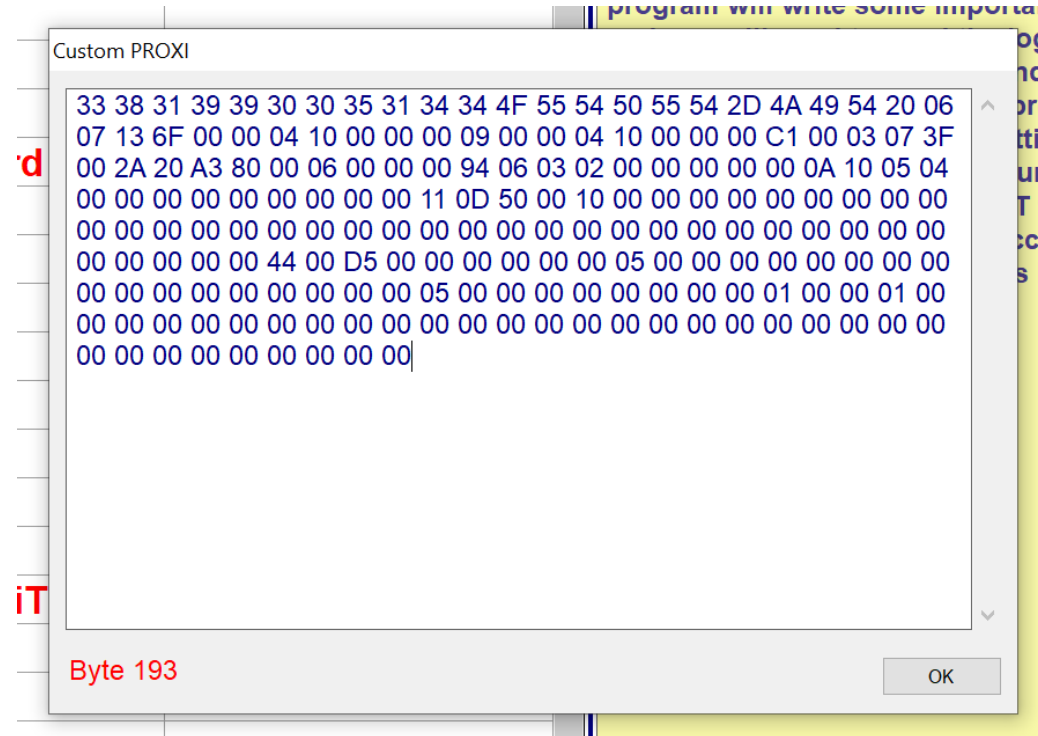
Byte 123 - Change to = D5 (Dab)

Byte 130 - Change to = 05 (Abarth logo)

Byte 148 - Change to = 05 (Uconnect 7)

Byte 157 - Change to = 01 (CarPlay)

Byte 160 – Change to = 01 (Android Auto)



(Ctrl+A) Highlight the code in full, hit **OK**.

If you get a WARNING-PROXI data length changed! Continue? window appear. Press **OK**
Then hit "**Execute**"

Multiecuscan 4.6R1 REGISTERED

F2 InfoF5 GraphF7 Adjustments

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00 00 00 00 00 00 00 00 00 00 11 0D 50 00 10 00 00 00 00 00 00 00
00
00 00 00 00 00 44 00 D5 00 00 00 00 00 00 05 00 00 00 00 00 00 00
00
00
00
00 00

WARNING

PROXI data length changed! Continue?

OKCancel

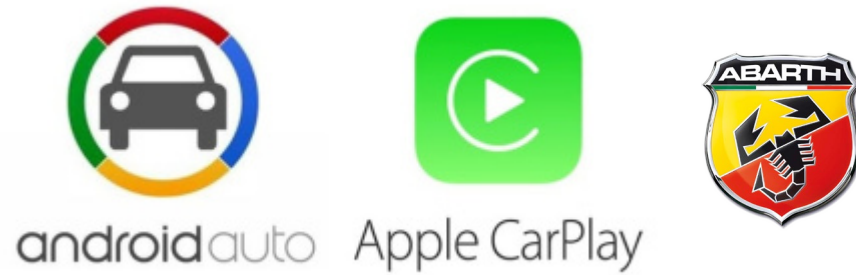
Byte 1

OK

DisconnectExecute

If the alignment has been successful it will go through all the modules and produce a success message.

-Congratulation you have completed the Modification-



If the alignment is unsuccessful you will receive a "Request out of Range" error message.

-DON'T PANIC-

Immediately after the failed alignment click "disconnect" at the bottom of the Adjustments tab.
Click on the PDF Icon on the page with the "Proxi Alignment Procedure (models with Uconnect)" Option.

The last section of the PDF file will confirm the error.

Example: [102A] errors Byte 30: 02 > 12

This mean that at Byte 30 you have not set the parameter correctly!

Re-edit the proxi as per your first attempt following the guidelines and "Execute" with success this time hopefully!

It is important to ensure that you only amend the bytes suggested within the guide.

The likelihood is that an unsuccessful "Execute" will be based on an error on your behalf when editing.

Having the original code saved will allow you to reverse this modification when required.

Helpful Links

MultiECUScan Package (CAN cars only)

https://www.gendan.co.uk/product_FESCAN.html

Used Car parts

<https://www.ebay.co.uk/>

New Fiat/Abarth Parts

[Fiat® Dealership - Find Your Nearest Online](#)