Alpina B3 Flash for TCU

Alpina B3 Flash DIY using WinKFP

DIY Guide to Flash Alpina B3 Flash:

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WARNING...If you dont know what you are doing, dont be brave and blindly go into this advanced flashing of software into the TCU module.. If you mess up you can easily brick your tranny module and you will find yourself towing the car to the dealer and looking like a fool. If your not too confident in doing this, either pay someone or just do without it.....WinKFP is a very dangerous tool but yet its awesome and in terms of coding its pretty advanced.. Proceed after reading this warning if you choose to do so...

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This flash will make the transmission run smoother, gear change will be more precise and crisp, rev match downshift is unbelievable, rev limiter is increased and overall driveability is increased. You will have a new indicator for gear selection in D mode which display D1, D2, D3 ,D4, D5 and in DS mode you will see S1, S2, S3, S4, S5 and the same for the M mode. This single flash will make the car change gears more refined and crisp. You will no longer feel the lurching when the tranny shifts and it goes through the gears without even the slightest hesitation. It is indeed a must have flash if you own a E9x with a N54 engine...

This Alpina TCU flash works for model years 3/07 till present N54 engine only. If your production date is before 3/07, your out of luck and cant flash your car! Before you attempt this you should have some knowledge in coding and setting software. You need to confirm INPA software is working and communicating with car. If you dont have INPA communicating, dont move beyond this point and go back and do some more research on getting it to work.. There are plenty of DIY guides for setting up INPA, Ediabas, NCSexpert and WinKFP.

You can purchase a proven cable that works...Please dont ask will this one work as it is cheaper if so.. Buy one that is proven!
http://www.one-stop-electronics.com/...&product_id=16

ONE NOTE::: Please no PMs on how to set it up. You have to do some work yourself..

Once you have configured your laptop properly, you need to download Spdaten at least 50.3 the full version for E89 chassis . Dont download the lite versions as it doesnt have the necessary files needed for flashing modules. There are torrent links around...Look for them! The E89 Spdaten needs to be imported to WinKFP. There are PDFs showing how to get this done, do a search! Once it correctly imported, then you may start the flash using Winkpf.

Here is spdaten 53.0 for this flash...Its not the complete spdaten but this link will have the neccessary data to do the alpina flash

https://www.dropbox.com/s/sb0bm1he0j7hto9/53.0.rar

Here we go:
- Make sure your battery is good if not get a battery charger

- Open drivers door and turn ignition ON (cluster guage on)

- Connect cable to obd connector of car

- Load Winkpf software

- Press (F1) comfort mode

- Press (F3) Update ZUSB

- Choose ECU GKE215

- Press (F2) Choose ZUSB

- Choose ECU GKE215 and next to it there will be ZB-Numbers..Find 7615835

- Click ok

- If you have done it correctly so far you will see at the top Assembly Identification number 7615835 and it will automatically reference the magical Alpina B3 TCU flash software 7591971

- Press (F4) Enter VIN (make sure you double check you have entered the correct VIN numbers)

- Click ok

- Press DONE (F8)

- Press (F3) Program

- Pop up window will say you can code the ECU 63 more times, click ok

- Flashing begins and you will have to wait till it reaches 100%

- Once it reaches 100% it will pop up again saying you have 62 more times to program the ECU, click ok

- Programming again starts, wait until this reaches 100%

- If everything is done correctly, then you will get a pop up screen saying programming done, click ok

- Shut off car by taking key out. Lock car with key, wait 5 minutes and start the car..If everything works correctly you will not have any warning signs or check engine lights...Enjoy your newly transformed AT Alpina B3 software

*****Alpina B3 flash Part II: DIY for NOT-working paddles shifters after flash:

The Alpina B3 flash has been a huge success so far for performance gains as well as fixing many issues that has plagued the N54 platform for years. It has undoubtedly given the performance gains
in which everyone could enjoy. The only minor glitch during the flashing was on new model years in which once the car is flashed the paddle shifters now longer worked, unlike the earlier build model years which didn't exhibit this. This was quite bothersome to me so I had to find a fix as it seemed unthinkable it wouldn't work. Here is your solution!

You guys need to use NCSexpert and at least 49.3 spdaten loaded up to both NCSexpert and Ediabas. There are tons of literature on this so do a search on it. If you not comfortable doing this or the actual coding, you can find a local coder and pay to have this coded....

Warning: If you dont have at least Spdaten 49.3 updated correctly after doing this coding the car will be Dead and show a gear warning on cluster when you try to get the paddle shifter to work..

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Here is what you do:

0-Start ignition with cluster lights on
1-Load NCSexpert
2-File Use EXPERTMODE click ok
3-(F1) Vin/ZCS/FA
4-(F3) SG ausw
5-Choose E89 chassis click ok
6-Choose CAS click ok
7-(F6) Back
8-(F4) Read ECU and pick EGS module click ok
9-wait till nettodat file pops up and then close it out
10-Press F3 (execute JOB)
11-After it says coding ended your done!
12-Close out NCSexpert

At this point 3 things can happen:

**A)There are no errors and the car starts fine and the paddle shifters are working and your happy!

**B)The car starts but then when you drive off, the shifting of gears are all screwy and changing correctly.
**C)The car starts but you get the dreaded GEAR error and it wont even go into drive at all..**

If you have either B or C then your issue is the update of the Spdaten was incorrectly done...Go back and check installation and start again.