**Re-Code for Dazzle Headlights (LED Adaptive Headlights like EU-Spec):**

Change FA (VO) to Remove 5AP & 8S4 from VO

VO Code FRM Module

 Read FA(VO)🡪Activate FA(VO)🡪Read SVT🡪Right-Click ECU & Select Code

VO Code KAFAS2 Module

 Right-Click ECU & Select Code

Now Proceed to code FRM with the 2 lines of code needed to complete Euro LED Adaptive Lighting

**Re-Code for Enhanced Bluetooth:**

Change FA (VO) to Remove 6NH from VO & Add 6NS to VO

VO Code HU\_NBT

 Read FA(VO)🡪Activate FA(VO)🡪Read SVT🡪Right-Click ECU & Select Code

**Re-Code for Sports Automatic Transmission:**

Change FA (VO) to Remove 205 from VO & Add 2TB to VO

VO Code EGS, ICM, & KOMBI

 Read FA(VO)🡪Activate FA(VO)🡪Read SVT🡪Right-Click ECU & Select Code

**IF YOU NEED TO DO EITHER OF THE ABOVE … FOLLOW THE INSTRUCTIONS FOR “HOW TO CHANGE FA” in my BMW Coding Beginner’s Guide. This needs to be done FIRST … meaning before you perform FDL Coding or Changing Werte Values**

**ACSM Module:**

SeatBelt Reminder Lights off in Instrument Panel:

3000🡪Gurtzustandsanzeige\_Beifahrer\_GFW\_GZA\_BF set to: nicht\_aktiv

3000🡪Gurtzustandsanzeige\_Fahrer\_GFW\_GZA\_FA set to: nicht\_aktiv

Disable Welcome 3 Gongs:

 3000 🡪 Initialwarnung\_GWF\_IW set to: nicht\_aktiv

SeatBelt Reminders/Sound OFF (Lines below depend on Build Date):

3000🡪SBR\_BF\_GWF\_SBR\_BF set to: nicht\_aktiv

3000🡪SBR\_FA\_GWF\_SBR\_FA set to: nicht\_aktiv

3000🡪SPW\_BF set to: nicht\_aktiv

3000🡪SPW\_FA set to: nicht\_aktiv

**--OR--**

3000🡪SBR\_PreWarning\_Fahrer set to: nicht\_aktiv

3000🡪SBR\_PreWarning\_Beifahrer set to: nicht\_aktiv

3000🡪SeatBeltReminder\_SBR\_Fahrer set to: nicht\_aktiv

3000🡪 SeatBeltReminder\_SBR\_Beifahrer set to: nicht\_aktiv

**ASD Module:**

Disable Active Sound Design (///M5 Only)

 3000🡪 Model Range🡪 set to: F021

**CAS Module:**

Auto Start/Stop OFF by default

 3000🡪TC\_MSA\_DEFAULT\_OFF set to: aktiv – werte=01

Auto Start/Stop – Remember LAST Setting

 3000🡪TC\_MSA\_MEMORY set to: aktiv – werte=01

Unlock all doors with engine off (Single-Pull Handles):

 3002🡪ER-KEYOUT\_AUTOVR set to: aktiv – werte=01

Electronics off when door opened

 3000🡪TC\_LOGIC\_KLR\_OFF\_DOOR set to: aktiv

Close Mirrors/Windows/SunRoof from FOB or CA

**\*\*\* ALSO REQUIRES 1 VALUE CHANGED IN FRM MODULE FOR THIS TO BE ACTIVATED \*\*\***

 3003🡪KOMFORTSCHLIESSUNG\_FB set to aktiv – werte=00

 3003🡪KOMFORTSCHLIESSUNG\_PA set to aktiv – werte=00

Set Mirror Fold Delay Time

 3003🡪KMFRT\_SCHLIESSEN set to werte=00

Start Car by pushing button (hold brake not needed)

New Procedures is as mentioned:
- press once for iDrive and fuel pump
- press a second time and hold to crank engine

 3000🡪TC\_STARTLOCK\_BRAKE set to: nicht\_aktiv

 3000🡪TC\_STARTLOCK\_DRIVINGREADINESS set to: nicht\_aktiv

**EGS Module:**

Enable Launch Control

 3000🡪LC set to: aktiv

**FRM Module:**

Additional Coding Needed for Euro Adaptive LED Headlight Coding

 3080 🡪 LAMP\_MAP\_PARA\_SATZ\_01 set to: BV\_F010\_PL\_L\_ueber\_POL\_L

 3080 🡪 LAMP\_MAP\_PARA\_SATZ\_02 set to: BV\_F010\_PL\_R\_ueber\_POL\_R

Angel-Eyes Full Brightness (with headights on)

 3060🡪U\_EFF\_POL set to: wert\_05\_\_13,0V

Close Mirrors/Windows/SunRoof from FOB or CA

 3020🡪ASP\_BEIKLAPPEN\_BEI\_KOMFORTSCHLIESSEN set to aktiv

Tilt Passenger Mirror farther down when in reverse

 3020🡪ASP\_BORDSTEINAUTOMATIK\_DELTA Change Werte to: 4B

Opening FRONT doors won’t interrupt windows:

 3030🡪FH\_TUER\_AUF\_STOP\_MAUT set to: nickt\_aktiv

Rear Tails & Angel Eyes on as DRL

 3050🡪DRL\_MODUS set to: drl\_s

Fog Lights stay on w/ High Beams

 3050🡪NSW\_AUS\_BEI\_FL set to: nicht\_aktiv

Ambiance Lighting controlled independent from Dimmer Switch

 #### 🡪 AMBIENTE\_NACHFUEHRUNG set to: nicht\_aktiv

Ambiance Lighting Brightness Settings:

CS\_AMB\_BRIGHTNESS
Kommentar=Ambient brightness Obergrenze für die Umgebungshelligkeit
Comment = Ambient brightness Upper limit for the ambient brightness
Default Value = 64 (seeing as the below setting is a HEX value, thus I assume this setting is also in HEX, which makes this 100)

CS\_AMB\_MIN\_BRIGHTNESS
Kommentar=Min Amb brightness Untergrenze für die Umgebungshelligkeit
Comment = Min Amb brightness Lower limit of the ambient brightness
Default Value = 0A (In decimal this is 10)

CS\_AMB\_MAX\_OFFSET
Kommentar=Max amb brightness offset Helligkeit für PWM-Ausgang in Prozent physikalischen Wert 20% ... 80%
Comment = Max amb brightness offset Brightness for PWM output as a percentage physical value of 20% ... 80%
Default Value = 30

Brake-Force Flashing on Hard Braking:

 3050🡪ESS\_ERSCHEINUNGSBILD set to: bremslicht blinkend – werte=02

 3050🡪ESS\_ON\_VERZ set to: US – werte=0A

 3050🡪ESS\_GESCHW\_SCHWELLE set to: US – werte=05

High-Beam Assistant – Auto-On:

 3050🡪FLA\_AUTO\_AKTIV set to: automatisch

 3050🡪FLA\_VERBAUT set to: aktiv

Welcome Lights – Add Lights to Welcome Lights

Low Beam: 3050🡪WL\_FUNKTION\_AL set to: nicht\_aktiv – werte=00

High Beam: 3050🡪WL\_FUNKTION\_FL set to: nicht\_aktiv – werte=00

License Plate: 3050🡪WL\_FUNKTION\_KZL set to: hard\_on – werte = 02

Fog Lights: 3050🡪WL\_FUNKTION\_NSW set to: hard\_on – werte = 02

Tail Lights: 3050🡪WL\_FUNKTION\_SSL set to: hard\_on – werte = 02

Code for LED Turn-Signal Bulb replace halogens (on Xenon Light Package for LCIs):

FRA\_V\_L\_KALTUEBERWACHUNG set to: nicht\_aktiv
FRA\_V\_L\_WARMUEBERWACHUNG set to: nicht\_aktiv
FRA\_V\_L\_IS\_LED set to: aktiv
FRA\_V\_R\_KALTUEBERWACHUNG set to: nicht\_aktiv
FRA\_V\_R\_WARMUEBERWACHUNG set to: nicht\_aktiv
FRA\_V\_R\_IS\_LED set to: aktiv

**HKFM\_LS Module:**

\*\*\* takes up to 30 minutes to begin working after coding \*\*\*

Close/Open Trunk from Fob & Kick Panel

 3010🡪SCH\_FBD set to: aktiv – werte=01

 3010🡪SCH\_TOEHKI set to: aktiv – werte=01

 3010🡪TASTER\_FBD set to: aktiv – werte=01

**HU\_NBT or HU\_CIC Module:** (Not all available in CIC Headunit)

High-Beam Assistant – Auto-On

 3000🡪HIGH\_BEAM\_ASSISTANT set to: aktiv

Set cell phone ringer as primary

 3001🡪INBAND\_RINGING set to: aktiv

Enable Siri Voice Control

 3003🡪CE\_DEVICE\_SPEECH\_RECOGNITION set to: aktiv

Disable Auto-Locking of Doors once begin driving

 3000🡪DOOR\_LOCK\_AFTER\_DRIVING\_AWAY set to: nicht\_aktiv

Enable ///M LapTmer

 3000 🡪 M\_LAPTIMER set to: aktiv

Disable Active Sound Design (///M5 Only)

 3000 🡪 ASD\_SOUND\_OFF set to: aktiv

Enable Active Sound Design Configuration Menu (///M5 Only)

 3000 🡪 ASD\_CONFIGURATION set to: aktiv

 3000 🡪 ASD\_SOUND\_4 set to: aktiv

Enable Sports Displays

 3000🡪EFF\_DYN\_SPORT\_CID set to: aktiv

 3000🡪EFF\_DYN\_SPORT\_UNIT set to: aktiv

\* To change units displayed to be ft lb and hp

KOMBI🡪3008🡪DREHMOMENT set to: lb\_ft (displays ft lb)

KOMBI🡪3008🡪LEISTUNG set to: ps (displays hp)

Enable Volume On-Screen Display:

 3002🡪VOLUME\_POPUP\_DISPLAY set to: aktiv

Enable Turn Signals in HUD

 3001🡪HUD\_TURNSIGNAL set to: aktiv

DVD-in-Motion activated:

 3000 🡪 SPEEDLOCK\_X\_KMH\_MAX Change werte to: FF

 3000 🡪 SPEEDLOCK\_X\_KMH\_MIN Change werte to: FF

 3000 🡪 VIDEO\_HANDBRAKE set to: nicht\_aktiv

 3000 🡪 VIDEO\_FRONT\_LOCKED set to: nicht\_aktiv

 3000 🡪 VIDEO\_SPEEDLOCK\_CONDITION set to: none=00

Change Navi Voice to British English

 HU\_CIC🡪3000🡪VOICE\_LANGUAGE\_RR\_US set to: aktiv

 HU\_NBT🡪3000🡪LANGUAGE\_ENGLISH\_UK set to: master

HU\_NBT🡪3000🡪LANGUAGE\_ENGLISH\_US set to: nicht\_aktiv

Navi Trip-Import

 3000🡪NAVI\_TRIP\_IMPORT set to: aktiv

Navi Fuel-Stop Proposal Along Route

 3000🡪NAVI\_FUELSTOP\_PROPOSAL set to: aktiv

Enable Video Files from USB

 3000🡪ENT\_CODEC\_XVID set to: aktiv

 3000🡪ENT\_CODEC\_XVCD set to: aktiv

 3003🡪API\_USB\_VIDEO set to: both

Add GPS Current Location to Navi Menu Items

 3000🡪NAVI\_POSITION\_MENU set to: aktiv

Add Turn-Signals to HUD

 3000🡪HUD\_TURNSIGNAL set to: aktiv

Add Weather Band Radio (CIC Only)

 3002🡪RADIO\_WEATHERBAND set to: aktiv

Enable the function of saving video files to NBT Hard Drive for play later

 3000 🡪 ENT\_MC\_VIDEO\_SUPPORT set to: aktiv

Disable Office Function Speed Lock-Out

 3000🡪 OFFICE\_MESSAGES\_SPEEDLOCK\_CONDITION set to: nicht\_aktiv

Enable Full Text Lines in Office While Driving

 3003 🡪 PIM\_DRIVING\_TEXT\_LENGTH set to: whole text\_07

Disable Audible Chirp/Beep When Locking Car

 3000 🡪 ACOUSTICAL\_LOCK\_CONFIRM set to: nicht\_aktiv

Enable Speech Input for E-Mail or SMS

 3003 🡪 SPEECH\_2\_TEXT set to: aktiv

Enable Time-Stamp Display for Call Log

 3003 🡪 TIMESTAMP\_DISPLAY set to: aktiv

Add Temperature & PSI to tire monitor screen

 3001🡪RDC\_SAFETY set to: aktiv

Disable Legal Disclaimers

 3001🡪LEGAL\_DISCLAIMER\_TIME set to: kein\_ld

 3001🡪MACRO\_CAM\_LEGALDISCLAIMER set to: kein\_ld

 3001🡪MACRO\_NVICAM\_LDISCLAIMER set to: kein\_ld

Change i-Drive Animation to ///M Logo

 3001🡪STARTUP\_EMBLEM set to: variant\_01

Enable IPCE Web Server @ 172.16.222.1

 3000🡪IPCE\_WEBSERVER set to: aktiv

Enable WiFi Hot-Spot

(Need to install a DLNA/UPnP media sharing server on your laptop or phone to be able to use this)

 3000🡪ENT\_MC\_WLAN\_STREAM\_DMP\_COVERART set to: aktiv

 3000🡪ENT\_MC\_WLAN\_STREAM\_DMP\_VIDEO set to: aktiv

 3000🡪ENT\_MC\_WLAN\_STREAM\_DMP set to: aktiv

 3003🡪WLAN\_STATUS set to: aktiv

 3003🡪WLAN\_MODUS set to: ap

 3003🡪WLAN\_SIGNAL\_STRENGTH set to: outdoor

Enable Developer Menu

 3000 🡪 ENTWICKLER\_MENUE set to: aktiv 01

**ICM Module:** (Requires Further Testing)

Enable Blind-Spot Detection at LOWER Speeds

 3000🡪Hc2\_i\_CPar\_Aktiv\_v\_low set to: 25 kmh

**--OR--**

 3000🡪HcSwcCPar\_i\_Hc2\_Aktiv\_v\_low set to: 25 kmh

**IHKA Module:**

A/C System Remembers Last Setting

 3000🡪OFF\_MEMORY set to aktiv

Always Remember Air ReCirculating

 3000🡪MEMORY\_UMLUFT set to: aktiv

**JBBF Module:**

Opening REAR doors won’t interrupt windows:

 3070🡪FH\_TUER\_AUF\_STOP\_MAUT set to nickt\_aktiv

Disable Headlight Washers

 3000 🡪 SCHEINWERFERREINIGUNG set to: nicht\_aktiv

Auto Wiper Sensitivity Increase

 3530🡪RLS\_FLC\_SCHWELLWERT\_SATZ\_1 Change Werte to: 05

 3530🡪RLS\_FLC\_SCHWELLWERT\_SATZ\_2 Change Werte to: 09

 3530🡪RLS\_FLC\_SCHWELLWERT\_SATZ\_3 Change Werte to: 0D

Auto Light Sensitivity Increase

3530🡪RLS\_DEF\_FLC\_SCHWELLWERT\_SATZ set to: option chosen below
3530🡪RLS\_FLC\_SCHWELLWERT\_SATZ set to: option chosenbelow

Options:
normal = normal
empfindlich = sensitive
sehr\_empfindlich = very sensitive
unempfindlich = insensitive

**KAFAS2 Module:**

High-Beam Assistant – Auto-On

 3050🡪FLA\_ON\_OFF set to: aktiv

**KOMBI Module:**

Show Digital Speed in MPH in Cluster

 3000🡪BC\_DIGITAL\_V set to: aktiv

Show Turn Signals in HUD

 3008🡪HUD\_PIA\_BLINKER set to: aktiv

 3000🡪BLINKER\_HUD\_ENABLE set to: aktiv

Enable GPS-Sync for Clock

 3000🡪GPS\_UHR set to: aktiv

Enable HUD for Entertainment & Phone List

\*\*\* Adds checkbox under settings for HUD – Displayed Information Menu \*\*\*

 3000🡪HUD\_ENTERTAINMENT\_ENABLE set to: aktiv

 3000🡪HUD\_TELEFONANRUF\_ENABLE set to: aktiv

 3000🡪HUD\_TELEFONBUCH\_ENABLE set to: aktiv

 3000🡪HUD\_ENTERTAINMENTLIST set to: aktiv

**PDC Module:**

Enable Rear-View Camera at all Speeds

 3009🡪D\_SCHWELLE\_2 Change werte to: FF

3009🡪V\_SCHWELLE\_2 Change werte to: FF

**SZL Module:**

Enable Paddle Shifters (for Retrofits)

 3000 🡪 Lenkrad\_Schaltpaddles set to: aktiv

**TRSVC Module:**

Enable Side-View Cameras at all Speeds

 3000🡪SV\_Activate\_Speed\_Limit Change werte to: FF

 3000🡪SV\_Deactivate\_Speed Change werte to: FF