



## BMW® CODING

Version: 2011.01 Date: April, 2011

### 5 Series - E39

#### CODING AND PROGRAMMING

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
KOMBI	5 Series - E39	Recoding, Emergency Recovery
AIRBAG	5 Series - E39	Recoding
IHKA / IHKR	5 Series - E39	Recoding
LCM	5 Series - E39	Recoding
ASC	5 Series - E39	Recoding
ZKE	5 Series - E39	Recoding
LEW	5 Series - E39	Recoding
RETROFIT XENON LIGHT	5 Series - E39	RETROFIT

### 7 Series - E38

#### CODING AND PROGRAMMING

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
KOMBI	7 Series - E38	Recoding, Emergency Recovery
AIRBAG	7 Series - E38	Recoding
IHKA / IHKR	7 Series - E38	Recoding
LCM	7 Series - E38	Recoding
LEW	7 Series - E38	Recoding
ZKE	7 Series - E38	Recoding
DSC	7 Series - E38	Recoding
RETROFIT XENON LIGHT	7 Series - E38	RETROFIT

## 3 Series - E46

### CODING AND PROGRAMMING

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
KOMBI	3 Series - E46	Recoding, Emergency Recovery
AIRBAG	3 Series - E46	Recoding
IHKA / IHKR	3 Series - E46	Recoding
LSZ	3 Series - E46	Recoding
DSC	3 Series - E46	Recoding
ZKE	3 Series - E46	Recoding
LEW	3 Series - E46	Recoding
RETROFIT XENON LIGHT	3 Series - E46	RETROFIT

## X Series - E53

### CODING AND PROGRAMMING

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
KOMBI	X Series - E53	Recoding, Emergency Recovery
AIRBAG	X Series - E53	Recoding
IHKA / IHKR	X Series - E53	Recoding
LCM	X Series - E53	Recoding
DSC	X Series - E53	Recoding
ZKE	X Series - E53	Recoding
LEW	X Series - E53	Recoding
RETROFIT XENON LIGHT	X Series - E53	RETROFIT

## NEW CKM (Car/Key Memory)

1. E38/E39/E46/E53 KEY INFORMATION	
FUNCTIONS	DESCRIPTION
Last-used key	Show the last-used key with remote control.
2. E38/E39/E46/E53/E83/E85 LIGHTING	
FUNCTIONS	DESCRIPTION
DAY TIME RUNNING LIGHTS(ECE)	Switch on/off the day time running lights.
DAY TIME RUNNING LIGHTS(US)	Switch on/off the day time running lights.
HOME LIGHTS	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.
HOME LIGHTS WITH DIPPED BEAM	Active / Not active
HOME LIGHTS WITH REAR SIDELIGHTS	Active / Not active
HOME LIGHTS WITH FRONT SIDELIGHTS	Active / Not active
HOME LIGHTS WITH INSTRUMENT LIGHTS	Active / Not active
HOME LIGHTS WITH LICENSE PLATE	Active / Not active
HOME LIGHTS WITH FRONT FOG LIGHTS	Active / Not active
HOME LIGHTS WITH MAIN BEAM	Active / Not active
HOME LIGHTS WITH BRAKE BEAM	Active / Not active
KEY IN IGNITION WARNING ( IF DOOR IS OPENED )	Active / Not active
ONE TOUCH TURN SIGNAL FLASHES	1/3 times
3. E38/E39/E46/E53/E83/E85/R50/R52/R53 CENTRAL BODY ELECTRICS	
BURGLAR ALARM SYSTEM	
FUNCTIONS	DESCRIPTION
COMPARTMENT SENSOR, FRONT PASSENGER	Active / Not active
PASSENGER COMPARTMENT SENSOR BACK (TOURING)	Active / Not active
TILT SENSOR	Active / Not active

ACTIVATING AND DEACTIVATING DWA	Active/Deactive DWA by only RC or KEY and RC
DISARM VISUALLY	Disarming of the DWA system is conformed by a brief blinking of turn signals when active.
DISARM ACOUSTICALLY	Disarming of the DWA system is conformed by a brief siren signal when active
ARM VISUALLY	Arming of the DWA system is conformed by a brief blinking of turn signals when active.
ARM ACOUSTICALLY	Arming of the DWA system is conformed by a brief siren signal when active
ARM ACKNOWLEDGEMENT WHEN ALL DOORS/LIDS CLOSED	Active / Not active
ACKNOWLEDGEMENT WITHOUT DWA	If "active" is selected, locking/unlocking of a vehicle is confirmed by a brief blinking of turn signals.
ARM VISUALLY DOORS/LIDS CLOSED	Arming of the DWA system is confirmed by a brief blinking of turn signals as soon as hood/trunk are closed, when active
ARM ACOUSTICALLY DOORS/LIDS CLOSED	Arming of the DWA system is confirmed by a brief siren signal as soon as hood/trunk are closed, when active
<b>CENTRAL LOCKING</b>	
<b>FUNCTIONS</b>	<b>DESCRIPTION</b>
RC INTERIOR LIGHT	The interior lighting is switched on if the car is locked and the lock button on the key is pressed.
RC PANIC MODE	Active/Not active
OPEN LUGGAGE COMPARTMENT VIA REMOTE CONTROL	Active / Not active
OPEN USING REMOTE CONTROL	No function / Comfort opening / luggage comp opening
RELOCK 2 MINUTES AFTER UNLOCKING	The vehicle will automatically lock again approx. 2 minutes after a single inadvertent unlocking (when no door or hatch was opened afterwards)
AUTOMATIC LOCKING	The vehicle is automatically locked after pulling away. Doors can be unlocked at any time from the inside.
AUTOMATIC LOCKING ( KEY 1 )	Doors are automatically locked when speed exceeds 5.0 mph
AUTOMATIC LOCKING ( KEY 2 )	Doors are automatically locked when speed exceeds 5.0 mph
AUTOMATIC LOCKING ( KEY 3 )	Doors are automatically locked when speed exceeds 5.0 mph
AUTOMATIC LOCKING ( KEY 4 )	Doors are automatically locked when speed exceeds 5.0 mph
AUTOMATIC LOCKING SPEED	0, 4, 8, 12, 16, 20, 24, 28 KM/H
AUTOMATIC RELOCKING	Active / Not active
AUTOMATIC LOCKING AFTER 2 MINUTES IF NOT OPENED	Active / Not active
AUTOMATIC LOCKING AFTER STARTING OFF	Active / Not active

AUTOMATIC UNLOCKING AFTER ENGINE OFF	Active / Not active
AUTOMATIC UNLOCKING AFTER ENGINE OFF (US)	Active / Not active
SELECTIVE CENTRAL LOCKING	The first time the button on the key is pressed, only the driver's door is unlocked. If it is pressed a second time, the whole car is opened. This function is only effective when the remote control is used.
SELECTIVE CENTRAL LOCKING RC	Active / Not active
SELECTIVE CENTRAL LOCKING ( KEY 1 )	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
SELECTIVE CENTRAL LOCKING ( KEY 2 )	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
SELECTIVE CENTRAL LOCKING ( KEY 3 )	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
SELECTIVE CENTRAL LOCKING ( KEY 4 )	First press of the "unlock" button opens driver door only, second press opens remaining doors (if active). When feature not active, first press opens all doors.
RELEASE REAR WINDOW FROM INSIDE	When "active" rear tailgate window is operated by the "trunk" release switch in the driver's footwell. If "inactive", the switch operated rear hatch lock.
CENTRE LOCK BUTTON WHEN LOCKED	Active / Not active
SELECTIVE CENTRAL LOCKING / CONVENIENT ACCESS (CAR)	Not active / Selective / Convenient
SELECTIVE CENTRAL LOCKING / CONVENIENT ACCESS (KEY 1)	Not active / Selective / Convenient
SELECTIVE CENTRAL LOCKING / CONVENIENT ACCESS (KEY 2)	Not active / Selective / Convenient
SELECTIVE CENTRAL LOCKING / CONVENIENT ACCESS (KEY 3)	Not active / Selective / Convenient
SELECTIVE CENTRAL LOCKING / CONVENIENT ACCESS (KEY 4)	Not active / Selective / Convenient
UNLOCK REMOTE (KEY 1)	Active / Not active
UNLOCK REMOTE (KEY 2)	Active / Not active
UNLOCK REMOTE (KEY 3)	Active / Not active
UNLOCK REMOTE (KEY 4)	Active / Not active
ENTRANCE AID / SELECTIVE CENTRAL LOCKING	When active, the first time vehicle is unlocked only the driver's door is unlocked.
CONVENIENT OPEN BY CENTER-LOCK BUTTON	Active / Not active

## WINDOW REGULATORS / SLIDE / TILT SUNROOF

SWITCH OFF AT	When "Open door" is selected, the power windows are deactivated if terminal R is "off" and the front door is open.
One-touch open driver's window	Open driver's window in one-touch.
One-touch close driver's window	Close driver's window in one-touch.
One-touch open passenger's window	Open passenger's window in one-touch.
One-touch close passenger's window	Close passenger's window in one-touch.
One-touch open rear's window	Open rear window in one-touch.
One-touch close rear's window	Close rear window in one-touch.
One-touch open sunroof	Open sunroof in one-touch.
One-touch close sunroof	Close sunroof in one-touch.
CONVENIENT Opening RC	Windows and sliding/tilt sunroof can be opened by pressing the unlock button on the key with remote control apply constant pressure to the "Unlock" button.
CONVENIENT Closing RC	Windows and sliding/tilt sunroof can be closed by pressing the lock button on the key with remote control apply constant pressure to the "Lock" button.
LOWER POWER WINDOW AFTER TRAPPING	SHORT / LONG
COMFORT OPENING REMOTE CONTROL WITHOUT HINGED WINDOW	Active / Not active
OPEN POWER WINDOW AFTER DOOR OPEN	Active / Not active

## INTERIOR LIGHTING

SOFT ON/OFF	Dimmed interior lighting is switched on and off.
ON DURING UNLOCK	Active / Not active
ON AT TERMINAL R OFF LIGHT PREVIOUSLY ON	Active / Not active

## WINDSCREEN WIPERS

SWITCH DOWN WHEN STATIONARY	The system switches from speed 1 to intermittent operation or from speed 2 to speed 1 when the vehicle is stationary.
WIPE INTERVAL WHEN STATIONARY	3 seconds / 5 seconds
RAIN SENSOR	The rain sensor can be deactivated on E46 vehicles only
SWITCH BACK WHEN STATIONARY	Active / Not active

## EXTERIOR LIGHTS

HOME LIGHTS	If terminal R is "off", the driving lights are switched on for the period of time selected when the headlight flasher is pulled. The following settings are possible: not active, 40s, 90s, 150s and 240s.
DAY TIME RUNNING LIGHTS (ECE)	Switch on/off the day time running lights.
DAY TIME RUNNING LIGHTS (US)	Switch on/off the day time running lights.

#### 4. E38/E39/E46/E53/E83/E85/R50/R52/R53 INSTRUMENT CLUSTER

FUNCTIONS	DESCRIPTION
LANGUAGE	The display texts can be displayed in the given languages. English, French, Italian, Spanish, German
DISTANCE	Km / miles
TIME	12h / 24h
FUEL CONSUMPTION	Fuel consumption: litres/100 km, mpg (UK), mpg (US), km/litre
TEMPERATURE	Degrees C / Degrees F
OUTSIDE TEMPERATURE WARNING	Active / Not active
IGNITION KEY	Active / Not active
WASHER FLUID WARNING	Active / Not active
REAR LID WARNING	Active / Not active
DOORS WARNING	Active / Not active
BRAKE LIGHT WARNING	Active / Not active
REAR SIDELIGHTS WARNING	Active / Not active
DIPPED BEAM WARNING	Active / Not active
TEMPORARY ICE WARNING	When function is "active", and if ambient temperature drops below 370F, the acoustic ice warning sounds and the ambient temperature display flashes for a few seconds. Then the display returns to the previous status. When function is "not active", and if ambient temperature drops below 370F, the acoustic ice warning sounds and the ambient temperature is permanently displayed.
FUEL ACOUSTIC WARNING	Active / Not active
OUTSIDE TEMPERATURE (ICE WARNING)	Active / Not active
SEAT BELT WARNING	Active / Not active

#### 5. E38/E39/E46/E53/E83/E85 SEAT/MIRROR

FUNCTIONS	DESCRIPTION
SEAT/MIRROR POSITION	Not active / When car is unlocked / when door is opened

SEAT POSITION	Not active / When car is unlocked / when door is opened
MIRROR MEMORY : AUTOMATIC PARKING FUNCTION	Active / Not active
CONVENIENT FOLDING MIRRORS	Active / Not active
<b>6. E38/E39/E46/E53/E83/E85 HEATER AND AIR CONDITIONING CONTROL</b>	
<b>FUNCTIONS</b>	<b>DESCRIPTION</b>
RECIRCULATED AIR MEMORY	Air recirculation is retained after restarting.
KEY SELECTIVE	The IHKA temperature and air distribution key-specific settings will be recalled when set to "active".
TEMPURATURE	C / F
AUTOMATIC REAR WINDOW HEATING	Active / Not active
SET FAN POWER, KEY 1~4	The normal setting provides a direct correlation between blower speed and displayed blower speed wedge in the IHKA control panel.
DISPLAY BLOWER BAR IN AUTOMATIC MODE, KEY 1~4	Active / Not active
OPEN VENTILATION IN WARM UP PHASE KEY, 1~4	Vents open during engine warm-up
FLAPS, AFTER TERMINAL 15, ON, KEY 1~4	Default "manual" control of the vents will be activated by switching the ignition on
CORRECTION SET TEMPURATURE, KEY 1~4	The temperature setting in the display can be corrected by the said amount. When positive correction is selected, actual temperature in the vehicle is higher then the IHKA display indicates. The opposite is true for the "-" ranges.
AIR CONDITIONING ON AT, KEY 1~4	The A/C compressor is switched on with the ignition ON, or only when the "snow flake" button is pressed.
AUTOMATIC BLOWER FUNCTION, KEY 1~4	The fan blower speed is initially operated in the AUTO mode when the ignition is switched on (if active).
KEY MEMORY OF HEAT/AC/VENTILLATION	Active / Not active
<b>7. E38/E39/E46/E53/E83/E85/R50/R52/R53 PARK DISTANCE CONTROL</b>	
<b>FUNCTIONS</b>	<b>DESCRIPTION</b>
SWITCH ON MESSAGE	Active / Not active
REAR VOLUME	1 / 2 / 3 / 4 / 5 / 6
<b>8. E39/E46/E53/E83/E85 RADIO</b>	
<b>FUNCTIONS</b>	<b>DESCRIPTION</b>
NEW GENERATION RADIO KEY SELECTIVE	The Key Memory can be activated/deactivated for the radio settings in Car Memory.



9. E46/E83/E85 TELEMATIC CONTROL UNIT	
FUNCTIONS	DESCRIPTION
SPEED RAISING VOLUME STAGE (GAL)	1 / 30 / 40 / 48 / 56 / 63 KM/H
WAKE UP BY E-CALL	Active / Not active
10. E46/E83/E85 UNIVERSAL CHARGING AND HANDSFREE UTILITY	
FUNCTIONS	DESCRIPTION
MOBILE PHONE MODEL	NOKIA 3110 / SIEMENS S10 / IDENTIFYING MODEL
VOICE RECOGNITION	GERMAN / ENGLISH(US) / ENGLISH(UK) / FRENCH / ITALIAN / SPANISH / NOT ACTIVE
SPEED RAISING VOLUME STAGE	1 / 30 / 40 / 48 / 56 / 63 KM/H
11. R50/R52/R53 SLIDING / TILTING SUNROOF	
FUNCTIONS	DESCRIPTION
OPEN SUNROOF ONE TOUCH FUNCTION	Open sunroof in one-touch.
CLOSE SUNROOF ONE TOUCH FUNCTION	Close sunroof in one-touch.
RAISE SUNROOF ONE TOUCH FUNCTION	Raise sunroof in one-touch.

**Note : Automatically detect the car type and supported functions.**

## ADAPTATION

SYSTEM	BODY TYPE	FUNCTIONS DESCRIPTION
EHC	E53/E65/E66	EHC Height Adjustment
LEW	E38/E39/E46/E53	LEW Sync.

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