BMW E46 IBUS codes

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E46 IBUS codes 00 05 bf 7d 00 30 f7 - sunroof open and possibly unlock
00 05 bf 7d 00 20 chk - sunroof open and lock
00 05 bf bf 7d 00 70 - close sunroof and possibly unlock
3F 05 00 0C 7F 01
00 05 bf 7d 00 60 chk - sunroof close and lock
3f 05 00 0c 7e 01 chk - a piece of open sunroof
3f 05 00 0c 7f 01 chk - a piece sunroof close
3f 05 00 0c 52 01 chk - the front driver's side window, a piece of open
3f 05 00 0c 53 01 chk - the front driver's side window, a piece of close
3f 05 00 0c 54 01 chk - the front passenger side window, a piece of open
3f 05 00 0c 55 01 chk - the front passenger side window, a piece of close
3f 05 00 0c 41 01 chk - rear driver's side window, a piece of open
3f 05 00 0c 42 01 chk - rear driver's side window, a piece schlißen
3f 05 00 0c 44 01 chk - rear passenger side window, a piece of open
3f 05 00 0c 43 01 chk - rear passenger side window, a piece schlißen
80 04 bf 11 00 2a - Innenraumbel. Abdimmen
3f 05 00 0c 01 01 chk - Innenraumbel. Off
3f 05 00 0c 30 01 chk -? + Innenraumbel. Abdimmen
3f 05 00 0c 60 01 chk - Innenraumbel. For 3 sec turn (no fade)
3f 05 00 0c 68 01 chk - Innenraumbel. Off and andimmen
3f 05 00 0c 03 01 chk - doors ver / unlock (Knopf @ interior pressed)
3f 05 00 0c 34 01 chk - doors locked (as with key pressed)
3f 05 00 0c 46 01 chk - doors + hardlock tank lid, trunk open
3f 05 00 0c 47 01 chk - driver door lock (door handle can be difficult to draw)
3f 05 00 0c 4f 01 chk - All doors except drivers door verschlßen
3f 05 00 0c 97 01 chk - doors lock (hardlock)
3f 05 00 0c 02 01 chk - trunk open
3f 05 00 0c 05 01 chk - trunk open (again)
3f 05 00 0c 95 01 chk - trunk open (again)
3f 05 00 0c 49 01 chk - front windshield wiper
3f 05 00 0c 62 01 chk - Scheibenwischwasser forward spray
00 04 bf 76 0x chk - blink: 2 = Warnblinker, 4 = passing beam, 8 = beam
3f 05 00 0c 70 01 chk - Warnblinker (IKE + LCM) + Innenraumbel. Andimmen
3f 05 00 0c 75 01 chk - Warnblinker (LCM) for 3 seconds
3f 0b bf 0c 00 00 00 00 00 00 01 06 chk - fog lights
3f 0b bf 0c 00 00 00 00 00 40 00 06 chk - taillight left (+ A)
3f 0b bf 0c 00 00 00 00 00 00 08 0c chk - taillight right (A +)
3f 0b bf 0c 00 00 00 00 01 00 00 06 chk - stop light up
3f 0b bf 0c 00 00 00 00 08 00 00 06 chk - stop light left (+ A)
3f 0b bf 0c 00 00 00 00 10 00 00 06 chk - stop light right (A +)
3f 0b bf 0c 00 00 00 00 00 02 00 06 chk - passing beam front right
3f 0b bf 0c 00 00 00 00 00 04 00 06 chk - passing beam front left
3f 0b bf 0c 10 00 00 00 00 00 00 06 chk - passing beam front + rear delayed
3f 0b bf 0c 00 00 00 00 00 10 00 06 chk - beam passing beam sided left +
3f 0b bf 0c 00 00 00 00 00 20 00 06 chk - Remote + passing beam of light right on both sides
3f 0b bf 0c 00 00 80 00 00 00 00 06 chk - passing beam + when ignition beam (IKE + LCM)
3f 0b bf 0c 00 00 00 00 00 00 20 06 chk - left rear turn signal lights permanently (+ A)
3f 0b bf 0c 00 00 00 00 00 00 80 06 chk - right rear turn signal lights permanently (+ A)
3f 0b bf 0c 00 00 00 00 20 00 00 06 chk - front left blinker lights permanently (+ A)
3f 0b bf 0c 00 00 00 00 40 00 00 06 chk - right front turn signal lights permanently (+ A)
3f 0b bf 0c 00 00 00 40 00 00 00 06 chk - Park light left
3f 0b bf 0c 00 00 00 80 00 00 00 06 chk - Park right light
3f 0b bf 0c 20 00 00 00 00 00 00 06 chk - Warnblinker
3b 05 80 41 0a 10 chk - average speed delete
Bf 03 80 16 2a - Requirement Kilometers
3b 06 80 40 09 00 xx chk - Speed limit set (beep when crossing)
3b 05 80 41 09 20 chk - Speed Limit on current speed set
3b 05 80 41 09 08 chk - Deactivate set speed limit

Received codes:
44 05 bf 74 04 xx chk - Key xx in.
Bf 44 05 ff 74 00 chk - key removed

00 04 bf 72 16 df - Connect button on remote
00 04 bf 72 26 ef - Open button on remote
00 04 bf 72 06 cf - button on remote released
80 05 bf 18 xx yy chk - xx = Speed / 2, yy = Drehzahl/100, message every 2 seconds
3F 05 00 0C 01 01 turn off interior lights
3F 05 00 0C 02 01 open trunk
3F 05 00 0C 03 01 lock doors + fade out interior lights
3F 05 00 0C 05 01 open trunk (again??)
3F 05 00 0C 13 01 return some data, relating to light control? (unsure)
3F 05 00 0C 30 01 turn on key buzzer for 2 seconds + fade-in/out interior lights
3F 05 00 0C 34 01 lock/unlock doors
3F 05 00 0C 41 01 Open rear driver window
3F 05 00 0C 42 01 close rear driver window
3F 05 00 0C 43 01 close rear passenger window
3F 05 00 0C 44 01 open rear passenger window
3F 05 00 0C 45 01 trigger unknown relay (coming from rear doors?)
3F 05 00 0C 46 01 lock front passenger door only
3F 05 00 0C 47 01 lock front driver door only
3F 05 00 0C 49 01 trigger wipers
3F 05 00 0C 4A 01 trigger unknown relay (under cluster)
3F 05 00 0C 4B 01 trigger windshield washer pump for 3 seconds (no liquid sprayed)
3F 05 00 0C 4E 01 turn-on clown nose for 3 seconds
3F 05 00 0C 4F 01 lock all but driver door
3F 05 00 0C 52 01 Open front driver window
3F 05 00 0C 53 01 close front driver window
3F 05 00 0C 54 01 Open front passenger window
3F 05 00 0C 55 01 close front passenger window
3F 05 00 0C 60 01 turn on interior lights for 3 seconds
3F 05 00 0C 62 01 spray windshield washer fluid
3F 05 00 0C 63 01 trigger trunk relay for 3 seconds (use 95 01 or 02
01 instead for release only)
3F 05 00 0C 68 01 fade out interior lights
3F 05 00 0C 70 01 flash hazards + turn on interior lights
3F 05 00 0C 73 01 trigger many door relays, don't know what it does
3F 05 00 0C 75 01 flash hazards for 3 seconds (no blinker in-dash)
3F 05 00 0C 7E 01 open sunroof
3F 05 00 0C 7F 01 close sunroof
3F 05 00 0C 95 01 open trunk (yes, again!)
3F 05 00 0C 97 01 lock/unlock doors