	SI B 61 14 03 General Electrical Systems	September 2006 Technical Service

This Service Information bulletin supersedes S.I. B61 14 03 **dated June 2006.**

NEW designates changes to this revision

SUBJECT
Software Errors Corrected with Progman

MODEL
E60, E61 (5 Series)

E63, E64 (6 Series)

SITUATION
Customer may complain of the following:

NEW **The following software errors were corrected with the release of Progman 23.00.00 (Target data Status E060-06-09-520).**

1. CCC: Voice input system incorrectly states speed limit in "km". Refer to SI B84 24 05.

2. CCC with Top HiFi (SA 677) loses surround sound settings after a Navigation system announcement. Refer to SI B65 08 06.

3. CCC: The CD/DVD/CDC drive continues to spin even after the key is off. No audio output is heard. When the customer returns to the vehicle the audio CD is on a different track. This is most noticeable while listening to audio books on CD.

4. CCC: The customer states that sporadically, it is not possible to acknowledge the "Accept" button on the navigation system disclaimer screen using the controller. Refer to SI B84 20 06.

5. CCC: Radio failure after entering the destination in the Navigation system via the voice input system. Other audio sources are not affected.

6. CCC: Sporadically the radio continues to play after the key is turned off. This fault occurred after programming the vehicle using Progman V19.1.

7. CCC: After changing the road map scale using the voice input system; it is not possible to change the map scale using the controller.

8. CCC: The audible warning gong sounds intermittently after the vehicle is started and cannot be turned off unless the vehicle key is cycled. No check control message is displayed while the gong is sounded.

9. CCC: The radio audio cuts out briefly in FM mode only while driving. Vehicle already has the tuner profile corrected as per SI B65 26 05 and fault code CCC-ANT "DACA" hardware reset fault is stored.

10. CCC: The radio station that is currently being listened to intermittently changes to the next station in the station list. This can happen every 2 seconds

11. CCC: Check control gongs and PDC tones have no audio. Other audio functions operate correctly

12. Blower motor stays on with key off. Refer to SI B64 01 06.

13. The speedometer and revolution counter needles shake when the vehicle is idling.

The following software errors were corrected with the release of Progman 22.00.00 (Target data Status E060-06-06-510).

1. An implausible engine oil level message may be displayed while driving at temperatures below 32°F (0°C). Vehicles produced from 9/2005 with N62TU.

2. On the CID (Central Information Display) "Service" menu, an "Engine Oil Level" selection is now shown after being the vehicle was programmed with Progman V21.2. Vehicles produced up to 9/2005 with N62. Perform complete vehicle encoding.

3. Turn signals not working, hazard lights not working, headlights are always on with ignition on, CC message "Light system malfunction" is displayed. The light module is in emergency mode. Vehicles produced up to May 30, 2006.

The following software errors were corrected with the release of Progman 21.01.00 (Target data Status E060-06-03-515).

1. The stored station list is intermittently empty on CCC equipped vehicles. However it is still possible to change stations using the steering wheel buttons.

2. CCC Navigation displays incorrect vehicle position. Refer to SI B84 10 05.

3. CCC: Audio switches off briefly for 5 seconds with RDS active. Refer to SI B65 26 05.

4. After programming the CCC with CIP 19.x or Progman 20.x it is not possible to store radio stations.

5. The CD-Player (in-Dash) keeps playing after key off. CCC equipped vehicles.

6. CCC: Loss of audio in all modes. Vehicles equipped with Top-HiFi. Refer to SI B65 02 06.

The following software errors were corrected with the release of Progman 21.00.00 (Target data Status E060-06-03-510). (IMPORTANT NOTE: Do not perform software update on E64 (6 Series) with this software version)

1. The "Head unit is not programmed correctly" message is displayed in the CID. M-ASK equipped vehicles only.

2. The stored station list is intermittently empty on CCC equipped vehicles. However it is still possible to change stations using the steering wheel buttons.

3. CCC Navigation displays incorrect vehicle position. Refer to SI B84 10 05.

4. Evaporator ices up after a long drive. Refer to SI B64 04 05.

5. CCC: Audio switches off briefly for 5 seconds with RDS active. Refer to SI B65 26 05.

6. After programming the CCC with CIP 19.x or Progman 20.x it is not possible to store radio stations.

7. The CD-Player (in-Dash) keeps playing after key off. CCC equipped vehicles.

8. CCC: Loss of audio in all modes. Vehicles equipped with Top-HiFi. Refer to SI B65 02 06.

The following software errors were corrected with the release of Progman 20.01.00 (Target data Status E060-05-12-510).

1. While driving, the SMG control module switches to emergency program. SMG Fault Code 5101 (Hex) "Analyze hydraulic sensor" is stored. (E60 M5 only) Refer to SI B23 01 06.

2. Check Engine Light is on, DME FC "2F4F vehicle speed plausibility" (N62TU only).

The following software errors were corrected with the release of Progman 20.00.00 (Target data Status E060-05-12-500).

1. Poor Idle quality after a cold start. N62TU engine.

2. Engine juddering/idle speed surging when it is cold. N52 engine.

3. Engine pinging under light load. N62TU engine.

4. After programming the CID (Central Information Display) using Progman V19.x, the CID is blank and fault "A469 Internal Electronics Failure" is stored. Progman 20.00.00 prevents this programming failure. If the fault already exists the CID needs to be replaced.

The following software errors were corrected with the release of CIP 19.02.03 (Target data Status E060-05-09-535).

No software corrections included in this version of CIP

The following software errors were corrected with the release of CIP 19.02.00 (Target data Status E060-05-09-530).

No Software corrections included in this version of CIP

The following software errors were corrected with the release of CIP 19.01.00 (Target data Status E060-05-09-530).

1. CCC (Car Communication Computer) poor AM reception.

2. Increased AL (Active Front Steering) sensitivity at low speeds under 30 mph.

3. "High Battery Drain Message" in CID (Central Information Display). Refer to SI B61 06 05.

4. CCC equipped vehicles with telephone, call fails when dialed using linked sequence ("p" for pause) stored phone numbers. Refer to SI B84 18 05.

5. The audio keeps playing if the vehicle is switched off for up to 3 minutes (until vehicle enters sleep mode). The audio cannot be switched off with the rotary knob. Only vehicles with CCC (Car Communication Computer) are affected.

6. Sporadic CCC resets (screen blanks out briefly and CCC restarts).

7. The "Check Engine Light" is illuminated and fault codes, 2882 and 2883 "Mixture Too Lean", is stored in the DME (Digital Motor Electronics). Refer to SI B12 16 05.

8. AL FC 6141 "Engine Dynamics Monitoring" stored in the AFS module. Refer to SI B32 13 05.

9. Increased AFS (Active front steering) sensitivity when driving at a low speed of less than 30 mph. Refer to SI B32 14 05.

10. Loss of power while decelerating and turning or coming to a stop. Refer to SI B12 20 05.

11. Dead battery caused by MPM (Micro Power Module). Refer to SI B61 12 05.

The following software errors were corrected with the release of CIP 19.00 (Target data Status E060-05-09-510).

1. Power seat movement, seat heating and PDC (Park Distance Control) all fail simultaneously.

2. SZL (Steering Column Switching Center) FC "94E7 – LWS relative wiper angle incorrect"

The following software errors were corrected with the release of CIP 18.00.01 Online Update (Target data Status E060-05-06-510).

1. The headlight side marker lights are inoperative after updating the vehicle with CIP 17.x. complete vehicle encoding needs to be performed.

The following software errors were corrected with the release of CIP 18.00 (Target data Status E060-05-06-510).

1. The steering wheel intermittently moves into an incorrect position.

2. A rattling noise is heard from the steering when the vehicle is unlocked or the ignition is turned on. Only vehicles with AFS (Active Front Steering) are affected.

The following software errors were corrected with the release of CIP 17.01(Target data Status E060-05-06-500).

1. Vehicles equipped with 6HP26 up to 4/05, customer complains of harsh downshift.

2. Vehicle may be difficult to start, run rough and/or the "Service Engine Soon" light is illuminated. One or more of the following faults may be stored.

   o 2A9A Cam sensor, inlet signal – signal invalid for synchronization

   o 2A98 Crankshaft-inlet camshaft, correlation- Value outside reference range

   o 2A82 VANOS intake- stiff, jammed mechanically

   o 2A9B Cam sensor, exhaust signal – signal invalid for synchronization

   o 2A99 Crankshaft- exhaust camshaft, correlation- Value outside reference range

   o 2A87 VANOS exhaust- stiff, jammed mechanically

3. The customer may complain that the Brake Force Display (BFD) function does not operate

The following software errors were corrected with the release of CIP 17.0 (Target data Status E060-05-03-520).

1. E60: Battery keeps getting discharged. Carrying out "Energy Diagnosis" test plan, the (aLBV) "active seat back width adjustment" has been recognized as the sleep mode preventer. Recode the complete vehicle.

The following software errors were corrected with the release of CIP 16.1 (Target data Status E060-05-03-520).

1. On certain MY 2005 vehicles, equipped with the 4.4liter N62 engine, the engine oil CBS message comes on at a very low mileage. Refer to SM B12 213 05.

2. E60: Exterior lights flash briefly when vehicle wakes up. Refer to SM B63 207 04.

3. Vehicles equipped with CCC reboot upon startup (CID screen switches from BMW to blank screen).

4. While placing a call with a Bluetooth handset the call ends after 30 seconds. The timer was extended. Refer to SM B84 234 04.

5. Airbag Warning light is on and one or more of the following "timeout" or "self test" faults is stored:

   - Safety Information Gateway Module (SGM) FC 93AE, 93B0, 93B2, 93B4, 93B6, 93B8, 93B9, 93BA, 93BC, 93BD, 93BE, 93BF, 93C0, 93E4, 93F4, 9445, 9446, 9447, 9448, 9449, 944A

   - Other satellite modules may also store "timeout" or "self test" faults that may mirror the fault in the SGM.

6. Audio off or mute mode is not stored on CCC vehicles after sleep mode. Affected vehicles: E60 (5 Series with CCC), E63/E64 (6 Series). Refer to SM B65 228 04.

7. Not all the CD's can be selected in the CD changer, even though all 6 CD's are loaded.

8. Controller rotates on it's own without being operated.

9. The navigation map is displayed in the assist window (right hand window) on the CID. When the engine is switched off, after 45 minutes the on board computer is displayed instead of the map.

10. Vehicles equipped with CCC and CPT9000 telephone, the missed call indicator is missing, although when the menu is called up the telephone number and time of call are displayed.

11. The PDC tone and gongs are twice as loud following a CCC replacement (vehicles with SA 677 Professional HiFi sound system).

12. When automatic headlamp mode is used, the lights switch on as the vehicle enters a tunnel but do not switch off again after leaving the tunnel. Refer to SM B63 201 05.

13. Loss of power when decelerating and turning or coming to a stop. Vehicles equipped with N62 engine with SMG GS6-53BZ transmission. Refer to SM B12 201 05.

14. Ventilation temperature too cold. Refer to SM B64 202 05.

The following software errors were corrected with the release of CIP 16.0 (Target data Status E060-04-09-555).

No software corrections

The following software errors were corrected with the release of CIP 15.2 (Target data Status E060-04-09-555).

1. Servotronic failure warning in Control Display. Steering functions normally after cycling ignition off and restart. CIM (Chassis Integration Module) fault D98F "Timeout DME message" stored. Vehicles equipped with CIM2 produced from 3/03. Refer to SM B32 200 05.

The following software errors were corrected with the release of CIP 15.0 (Target data Status E060-04-09-555).

1. TCU (Telematics Control Unit) coding fails "CoApi 1000 General Fault" using CIP 13.x.

2. Intermittent "crank no-start" condition. Vehicle starts after 15-20 minutes. No faults stored in DME. Vehicles produced 9/04 – 12/04 with N62.

3. Vehicles equipped with automatic 6HP26, loss of power decelerating to a stop and making a turn. Vehicles produced 9/03 – 12/04.

4. After vehicle has been programmed with CIP 13.x, the customer complains of altered shifting characteristics of the automatic transmission. Earlier up shifts, delayed downshifts when accelerating. 530i w/ ZF 6HP19 transmission produced 9/03 – 7/04.

5. CCC (Car Communication Computer) equipped vehicles; after the doors are unlocked the audio system switches on and begins playing suddenly.

6. TPM (Tire Pressure Monitor) false check control message in CID (Central Information Display). Vehicle produced from 3/04 to 12/04 only. Recode entire vehicle.

7. CCC equipped vehicles, error in track display on vehicle with CDC. For example when Track 1 is displayed Track 2 is playing. This error has occurred since CIP 11.1.

8. CCC equipped vehicles: radio or CD remain active after key is turned off. This problem has occurred since the vehicle was programmed with CIP 12.x.

The following software errors were corrected with the release of CIP 13.3 (Target data Status E060-04-09-504).

1. The CID (Central Information Display) on M-ASK (Multi-Audio System Controller) equipped vehicles has a delayed startup. Encode the complete vehicle.

2. The CID displays the message "Apply brake to start engine", even though the engine is already running.

The following software errors were corrected with the release of CIP 13.2 (Target data Status E060-04-09-504).

1. Total or partial failure of displays, functions or backlighting in the instrument cluster. The displays/functions start working again after the vehicle enters sleep mode. Various CAN message errors are stored in the fault memory, e.g. "0xA3B2_CAN ID 130 Error Failure Message Terminal status" or "A3B4_CAN ID 21A Error failure message lamp status".

2. The trunk lid opens unexpectedly.

3. On vehicles equipped with M-ASK, the audio sound quality from the left-hand side loudspeakers is of poor quality and muffled compared to the right-hand side loudspeakers. Refer to SM B65 224 04.

4. The LED on the PDC (Park Distance Control) button does not light up.

5. M-ASK cannot be switched off, stays on even with key removed.

6. Locating lamp in vehicle interior fails intermittently.

7. On vehicles with CCC, voice input commands such as 'RPA" and "Climate" are not understood.

8. The CPT9000 (V60s) Telephone does not dial out (call immediately ends) when the handset is roaming. Refer to SM B84 211 04 for further information.

9. The 'rollover protection inactive" CC (Check Control) message appears yellow in the instrument cluster. FC "9421 – roll-over power reserve voltage not OK" stored in the SGM (Safety Information Gateway Module). Refer to Service Measure B72 208 04. Vehicles affected: E64 (6 Series).

10. Poor radio reception and/or interference in AM mode, especially on talk radio. Refer to Service Measure B65 212 04.

11. Service Engine Soon light is illuminated. DME FC "2761 – Hot film air mass, secondary air" is stored. Refer to Service Measure B12 203 04.

12. Check engine lamp is illuminated. Any of the following fault codes may be stored in the DME.

13. FC "2960 – Exhaust Temperature Too High After Catalytic Converter Bank 1"

14. FC "2961 – Exhaust Temperature Too High After Catalytic Converter Bank 2"

15. FC "2973 – Oxygen Sensor Before Catalytic Converter Bank 1"

16. FC "2974 – Oxygen Sensor Before Catalytic Converter Bank 2"

17. Refer to Service Measure B12 208 04

18. Individual seat memory settings can't be set (missing selection on CID) on vehicles produced prior to 9/2003.

19. DWA causes excessive closed circuit current draw. Vehicles affected: E63/64 (6 series). Refer to Service Measure B65 218 04.

20. FTM (Flat Tire Monitor) cannot be initialized (FTM is grayed out and cannot be selected in CD after CIP 12 programming).

The following software errors were corrected with the release of CIP 12.0 (Target data Status E060-04-06-500).

1. Poor AM reception on vehicles equipped with M-ASK (Multi-Audio System Controller).

2. CD player doesn't remember last position.

3. AFS (Active Front Steering) causes a battery draw.

4. Airbag warning lamp illuminates and the message "Airbag safety systems restricted" is shown in CID (Central Information Display). The following telegram errors could be stored in various satellites caused by faulty door module software:

   - TMBF: 96C2 Self-test: too few messages, 96B8 deactivation satellite, 96FA deactivation satellite, 96B1 deactivation satellite

   - TMFA: 9642 Self-test: too few messages, 9631 deactivation satellite

   - SZL: 94C3 Self-test: too few messages, 94B2 deactivation satellite

   - SBSR: 98C2 Self-test: too few messages, 98AF deactivation satellite

   - SBSL: 9842 Self-test: too few messages, 9835 deactivation satellite, 982F deactivation satellite

- SFZ: 9AC2 Self-test: too few messages, 9AB1 deactivation satellite

- SGM-SIM: 93E4 Self-test: too few messages, 93DA deactivation satellite, 93B0 deactivation satellite

5. BMW Assist errors displayed on CID. Refer to SM B84 207 04.

6. CCC (Car Communication Computer): MFL diamond button programmable.

7. CCC: No audio output after CCC start-up. The track title is no longer displayed in the CD menu; only the CD symbol is shown. There is no audio output unless FM is selected. Track titles are then restored if CD is selected.

8. CCC: When entering the destination via the controller, the characters do not appear for several seconds.

9. CCC: The PDC and/or seat-belt warnings do not sound.

10. CCC: The radio is on in the vehicle and the vehicle is then parked. The vehicle is started again after being parked up for several hours, but there is no audio output. Audio output is not restored until the "Entertainment" menu is selected in the CID.

The following software errors were corrected with the release of CIP 11.0 (Target data Status E060-04-03-505).

1. The airbag warning lamp in the instrument cluster lights up red and the CC message "Restraint-system failed" is displayed in the Central Information Display (CID). One or more of the following faults may be stored:

   - The fault code "9401 - Control Module Fault" is stored in the Safety Information Gateway Module (SGM). Note that improvements to the SGM/SIM software have been progressively introduced since CIP 10.1. Vehicles prior to 03/04 production must also have the upfront sensors replaced using P/N 65 77 6 951 595 or later.

   - SGM fault code "9402 and/or 9404 - Front sensor wrong component". Vehicles prior to 03/04 production must also have the upfront sensors replaced using P/N 65 77 6 951 595 or later.

   - Satellite B Pillar Right (SBSR) fault code "98C5 - Implausible crash severity".

   - SGM fault code "9413 - Signal Lamp Airbag faulty".

   - SBSR fault code "991D - Battery Lead (screen implausible measured value".

   - Switch Center Steering Column (SZL) "94C7 - Short circuit or open ignition circuit 1".

   - SZL fault code "9506 and/or 9508 - Communication steering wheel electronics".

2. The Check Engine Light is illuminated. One or more of the following faults are stored.

   - N62 DME FC "278B – Engine temperature plausibility".

   - N62 DME FC "278D – Radiator outlet temperature plausibility".

   - N62 DME FC "27CD DMTL – Current fluctuation during minor leak test".

3. CID display shows CD inserted in M-ASK, but there is not CD in the drive.

4. The airbag warning light comes on. The "Pass restraint system fault" Check Control message appears. SBSR FC

95B7 "seat occupancy detection communication malfunction" or 95B8 "sensor mat fault" is stored. Note that improvements to the SBSR software have been progressively introduced from CIP 10.0 onwards. Further improvements are expected with later CIP versions.

5. EGS Warning displayed, 6HP16 EGS FC "4F6A – temperature sensor, overheating shut-off" is stored and cannot be cleared.

6. Steering column memory positions are lost from the SZM (Central Switching Center).

7. On vehicles equipped with CCC (Car Communication Computer) the PDC (Park Distance Control) volume is too loud.

8. When selecting the Navigation menu from the main menu with a short push of the controller, the incorrect navigation screen is displayed.

9. With low outside temperatures, if a CD is being played, the track suddenly skips forward to the next track. The fault no longer occurs once the vehicle is warmed up.

The following software errors were corrected with the release of CIP 10.1 (Target data Status E060-03-12-527).

1. The airbag warning lamp in the instrument cluster lights up red and the CC message "Restraint-system failed" is displayed in the Central Information Display (CID). The fault code 9401 "Control Module Fault" is stored in the Safety Information Gateway Module (SGM). Coding fix only.

The following software errors were corrected with the release of CIP 10.0 (Target data Status E060-03-12-525).

1. Airbag warning light is on, SBSR FC 95B7 "Occupancy Sensor Mat".

2. The "passenger airbag status light" is too bright (reduction in brightness).

PROCEDURE
For all vehicles, on a customer complaint basis only, refer to the following procedure and warranty information.

1. Update the complete vehicle per SI B09 05 01 (Coding, Individualization, Programming) Procedure B, using NEW **Progman 23.00.00 (Target Data Status E060-06-09-520)** or higher.

WARRANTY INFORMATION
Covered under the terms of the BMW New Vehicle Limited Warranty.

Defect Code	**Refer to KSD**
Labor Operation:	Refer to KSD