

System_PCM / CDR

Diagnostic trouble code and the related document

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8E01

Diagnosis information - PCM

Power supply

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

The following malfunctions must be present for at least 10 seconds:

- Power supply - Below limit - 9 Volt
- Power supply - Limit exceeded - 16 Volt

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM

GPS antenna

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Location determination not possible

Diagnosis information - PCM

GPS antenna

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Location determination not possible

8E02

Diagnosis information - PCM

PCM

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

8E03

Diagnosis information - PCM

Temperature

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- **Device temperature** - Limit exceeded
- **Device temperature** - Below limit

Fault effects

- ◆ Function is only operational with restrictions

Diagnosis information - PCM

CD/DVD

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Inserted wrong way round
- Soiling
- Deformation
- Damage
- Compatibility
- Copy protection
- Access protection

Fault effects

- ◆ Function is only operational with restrictions

Diagnosis information - PCM

GSM antenna

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM

GSM antenna

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM

Satellite antenna

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ No satellite radio reception

Diagnosis information - PCM

Satellite antenna

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ No satellite radio reception

Diagnosis information - PCM

Wake-up line

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM

Wake-up line

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit

Fault effects

- ◆ Function is only operational with restrictions

Diagnosis information - PCM

Wake-up line

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM / CDR

Programming

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on / CDR on

Fault setting condition(s)

- incorrectly programmed
- not programmed

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM

Hard drive

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

800B

Diagnosis information - PCM

Hard drive

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

Diagnosis information - PCM

No video signal

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit

Fault effects

- ◆ Function is only operational with restrictions

D004

Diagnosis information - PCM

MOST transceiver Temperature

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Limit exceeded

Fault effects

- ◆ Function is only operational with restrictions

D007

Diagnosis information - PCM

Reset

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Reset

Fault effects

- ◆ Function is only operational with restrictions

D200

Diagnosis information - PCM

Operating button

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- jammed

Fault effects

- ♦ Function is only operational with restrictions

D203

Diagnosis information - PCM

Internal fan

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- rpm = 0 [rpm]

Fault effects

- ◆ Function is only operational with restrictions

D223

Diagnosis information - PCM

Hard drive

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D241

Diagnosis information - PCM

CD/DVD drive

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D242

Diagnosis information - PCM

CD/DVD drive

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D305

Diagnosis information - PCM

Antenna amplifier control unit

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D500

Diagnosis information - PCM

Microphone 1

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

D501

Diagnosis information - PCM

Microphone 1

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

D502

Diagnosis information - PCM

Microphone 1

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

D503

Diagnosis information - PCM

Microphone 2

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

D504

Diagnosis information - PCM

Microphone 2

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

D505

Diagnosis information - PCM

Microphone 2

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Short circuit to ground
- Short circuit to B+
- Open circuit
- Short circuit between the lines
- Faulty

Fault effects

- ♦ Function is only operational with restrictions

D506

Diagnosis information - PCM

Charging tray - Power supply

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- implausible

Fault effects

- ♦ Function is only operational with restrictions

D507

Diagnosis information - PCM

Charging tray - Data line

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Open circuit

Fault effects

- ♦ Function is only operational with restrictions

D508

Diagnosis information - PCM

Handset - Battery

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Battery cannot be charged

Fault effects

- ♦ Function is only operational with restrictions

D509

Diagnosis information - PCM

Handset - Battery temperature

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- **Temperature** - Limit exceeded

Fault effects

- ♦ Function is only operational with restrictions

D50A

Diagnosis information - PCM

Handset - Temperature

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- **Device temperature** - Limit exceeded
- **Device temperature** - Below limit

Fault effects

- ◆ Function is only operational with restrictions

D50B

Diagnosis information - PCM

Handset

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- no communication

Fault effects

- ◆ Function is only operational with restrictions

D50C

Diagnosis information - PCM

Charging tray - Data line

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Open circuit

Fault effects

- ♦ Function is only operational with restrictions

Diagnosis information - PCM

Handset

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- not taught

Fault effects

- ♦ Function is only operational with restrictions

D50E

Diagnosis information - PCM

Handset

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Wrong handset in charging tray

Fault effects

- ◆ Function is only operational with restrictions

D50F

Diagnosis information - PCM

Telephone control unit

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- not installed
- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D510

Diagnosis information - PCM

Telephone control unit

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- no communication

Fault effects

- ◆ Function is only operational with restrictions

D511

Diagnosis information - PCM

SIM card reader

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D512

Diagnosis information - PCM

Telephone control unit - Temperature

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- **Device temperature** - Limit exceeded
- **Device temperature** - Below limit

Fault effects

- ♦ Function is only operational with restrictions

D513

Diagnosis information - PCM

Telephone control unit - Reset

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Reset

Fault effects

- ◆ Function is only operational with restrictions

D514

Diagnosis information - PCM

Hard drive

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- Faulty

Fault effects

- ◆ Function is only operational with restrictions

D516

Diagnosis information - PCM

Handset

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- incorrectly programmed
- not programmed

Fault effects

- ♦ Function is only operational with restrictions

D517

Diagnosis information - PCM

Touchscreen

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- **Touchscreen** not calibrated

Fault effects

- ◆ Function is only operational with restrictions

D518

Diagnosis information - PCM

Telephone control unit

Diagnostic conditions

The control unit must be active in order to test internal function sequences and diagnosable inputs/outputs.

In the event of a fault, check whether the fault is permanently >present<. To perform the check, erase the fault memory, meet the diagnostic conditions and read out the fault memory again.

- PCM on

Fault setting condition(s)

- incorrectly coded
- not coded

Fault effects

- ◆ Function is only operational with restrictions