

M264 Check engine light - P012D12 The pressure sensor upstream of exhaust gas turbocharger has short circuit to positive

|                   |                                |
|-------------------|--------------------------------|
| Topic number      | LI15.18-P-078654               |
| Version           | 1                              |
| Function group    | 15.18 - Cable sets             |
| Date              | 12/19/24                       |
| Validity          | Passenger car with engine M264 |
| Reason for change |                                |

Complaint

Engine warning light active.

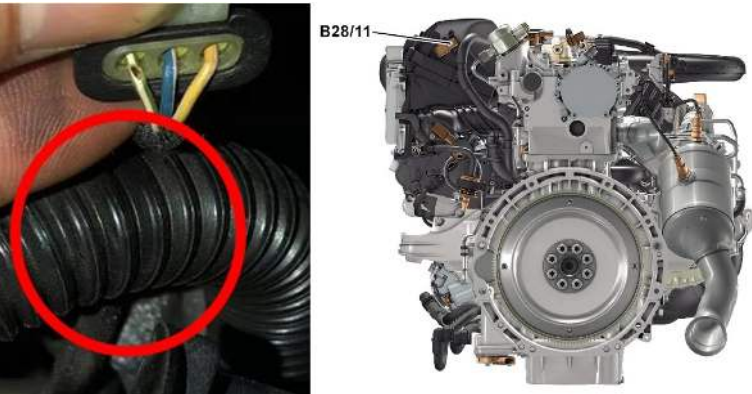
Fault code P012D12 The pressure sensor upstream of exhaust gas turbocharger has short circuit to positive. There is a short circuit to positive.

is stored in the control unit N3/10 N3/10 - engine electronics 'MED41"M264'.

Cause

In the course of a pre-repair, the lines may be damaged due to the feed line to component part B28/11 pressure sensor downstream of air filter being routed too taut.

(see picture 1)



| Attachments           |             |
|-----------------------|-------------|
| File                  | Description |
| <a href="#">1.jpg</a> |             |



## Remedy

### 1. Attach 12 V charger

Note: An adequate voltage from the on-board electrical system battery must be guaranteed for the entire duration of the work procedure.

Otherwise the control units could be damaged if an undervoltage occurs.

Information: Observe the operating instructions of the 12 V charger.

Information: Use the 12 V charger to ensure a sufficient voltage (minimum 12.5 V) from the on-board electrical system battery.

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### 2. Attach diagnostic system

Information: Always ensure that XENTRY Diagnosis is updated to the latest version.

For further information on "Retail Data Storage", see the Service Information bulletin SI00.01-D-0044SG.

Information: The operation steps in XENTRY Diagnosis must be complied with precisely at all times.

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### 3. Carry out quick test and read out fault memory

Information: If the above-mentioned fault code (P012D12) is stored in the control unit

ME (N3/10) continue with operation step 4.

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### 4. Check line installation of component part B28/11 pressure sensor downstream of air filter for damage and routing free of tension.

Repair defective lines as per XENTRY WIS.

Note: Routing of the feed line free of tension must be ensured.

(See picture 2)



| Attachments           |             |
|-----------------------|-------------|
| File                  | Description |
| <a href="#">2.jpg</a> |             |



Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

|                                                                                  |     |     |                                                                                                                                    |          |             |     |
|----------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|-----|
| Symptoms                                                                         |     |     |                                                                                                                                    |          |             |     |
| Power generation > Engine management > Indicator lamp > Engine diagnosis > lit   |     |     |                                                                                                                                    |          |             |     |
| Power generation > Engine management > Engine performance > No/poor output       |     |     |                                                                                                                                    |          |             |     |
| Parts                                                                            |     |     |                                                                                                                                    |          |             |     |
| Part number                                                                      | ES1 | ES2 | Designation                                                                                                                        | Quantity | Note        | EPC |
| A0215451726                                                                      |     |     | Contact socket                                                                                                                     | n.B.     | As required | X   |
| A0005456880                                                                      |     |     | Single-wire seal                                                                                                                   | n.B.     | As required | X   |
| Control unit/fault code                                                          |     |     |                                                                                                                                    |          |             |     |
| Control unit                                                                     |     |     | Fault text                                                                                                                         |          |             |     |
| N3/10 - Motor electronics 'MED41' for combustion engine 'M260/M264' (ME) (MED41) |     |     | P012D12 - The pressure sensor upstream of the turbo-charger has a short circuit to positive. There is a short circuit to positive. |          |             |     |

| Operation numbers/damage codes |                                                            |      |             |                                                                                                       |
|--------------------------------|------------------------------------------------------------|------|-------------|-------------------------------------------------------------------------------------------------------|
| Op. no.                        | Operation text                                             | Time | Damage code | Note                                                                                                  |
| 541011                         | Perform quick test                                         | 0.2  |             |                                                                                                       |
| 541010                         | Check electrical system, establish findings Findings:..... | ZM   |             | In the event fault code P012D12 is stored                                                             |
| 549204                         | Repair electric line for B28/11                            | ZM   | 5956G       | In event of damage to feed line of the component part B28/11 pressure sensor downstream of air filter |
| 540650                         | 12V voltage maintain                                       | 0.1  |             |                                                                                                       |