

All M139 Equipped Vehicles - Fault Code in A64 - Exhaust gas turbo-charger (ETC): P2F1D01 The control unit was switched off improperly.

Topic number	LI09.40-P-079339
Version	1
Function group	09.40 - Turbocharger
Date	5/22/25
Validity	All M139 equipped vehicles
Reason for change	

Complaint

Fault code P2F1D01 The control unit was switched off improperly stored in ETC control unit.

Cause

This fault is set when there is a voltage demand from the ME, but there was no bus sleep yet.

This fault can typically be ignored. It will not set a CEL and doesn't have any influence on the drivability or function of the vehicle.

Remedy

To clear this fault:

- clear the error memory of the vehicle (at least the ETC and ME)
- put the vehicle to sleep (lock and wait) and wake up (unlock)
- turn ignition ON and read error memory again
- DTCs shouldn't be present in ETC
- no CEL is turned ON
- vehicle can be started and driven

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 > Boost effect > Malfunction

Control unit/fault code	
Control unit	Fault text
A64 - Exhaust gas turbocharger (ETC) (ETC)	P2F1D01 - The control unit was switched off improperly. _

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note