



Mazda CX5 - error code P0471 and poor starting and acceleration behaviour

Data sheet	
Manufacturer	Mazda
Vehicle model	CX5 GH/KE with automatic transmission
Engine	2.2 16V CDI Skyactiv-D
Engine code	SH-Y4
Year of manufacture	2013-2017
Symptoms	Poor starting and acceleration behaviour Vehicle goes into emergency mode Error code: P0471

Important safety note

"SCBS forward gear malfunction" is displayed on the instrument cluster

If the error message "SCBS / City emergency stop assistant forward gear malfunction" is displayed on the instrument cluster on the vehicle models mentioned above, one cause for this may be a defective boost pressure sensor. The faulty signal can cause error entries in different control units. In addition, the warning lamps for tyre pressure control, parking brake, I-Stop system and ABS may light up simultaneously. The error can be reset briefly by switching the ignition off and on, but usually reappears after a short driving time.

Control unit diagnostics The following error codes may be stored in various system control units for this cause.

Comfort control unit

- CAN connection for distance control system – signal implausible
ABS control unit

- U0401 CAN-BUS – Invalid data
Engine control unit

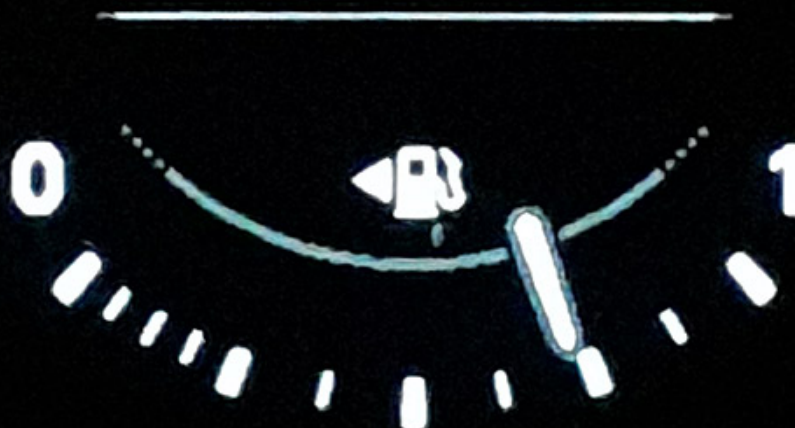
- P0471 Exhaust pressure sensor 1 (boost pressure sensor) – function faulty
<shy /> Repair advice<shy /> Continuing to drive with this defect can damage the engine. In addition, the deficiency causes hard shifting behaviour in vehicles with automatic transmission.<shy /> The vehicle manufacturer replaced the exhaust pressure sensor with a new modified component.<shy /> Within the scope of the repair, it must therefore be ensured that the old defective sensor is replaced by a new modified sensor (repair kit).<shy /> After the repair, the relevant error memory entries in the relevant control units must be deleted.<shy />

Spare parts information<shy /> Exhaust gas pressure sensor old: Mazda SH02-BK-5204<shy />
Exhaust pressure sensor new: Mazda SHY6-18-W00

Please note

This defect may also occur in other vehicle models with the same type of engine and transmission equipment.

SCBS
Vorwärtsgang
Fehlfunktion



Warning on the instrument cluster

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