

Reverse inop message in dash, CEL, P092100 possible P07FF00

Topic number	LI27.00-P-078372
Version	2
Function group	27.00 - General
Date	9/24/24
Validity	2024 118 177 247 chassis with 724.1 transmissions
Reason for change	Add Attachment for clarity

Complaint

Reverse unavailable message, Possible Limp home and Check Engine Light. Resolved after Key-Cycle

Cause

Fault code P092100 on control unit variant TCM8FDCT_PT4 with the fault environment data starting with the HEX blocks: 01 01 00 08 02 00 40 08 02.

Additionally fault code P07FF00 can be present

Attachments

File

HEX code.jpg

Fault	Text	Status
P092100	The shift valve of the inner shaft has a malfunction. _	S
	Name	First occurrence
	Actual gear	N
	Target gear	1
	Engine speed	1372 1/min
	Pressure of clutch 'K1'	1.91bar
	Pressure of clutch 'K2'	0.65bar
	Development data (Reserved (last))	01 01 00 08 02 00 40 08 02 77 77 40 46 77
	Development data (SLP-ErrorID (last))	478
	Development data (SoftwareVersion (last) Cycle)	B
	Development data (Software)	G Grundgetriebe
	Software version Year	2022
	Development data (SoftwareVersion (last) Nr1)	1
	Development data (SoftwareVersion (last) Nr2)	1
	Software version	A Ausliefer
	Development data (SoftwareVersion (last) SW-Stand.Rnd)	0
	Development data (SoftwareVersion (last) Vernetzung)	U STAR3
	Rpm of inner shaft	22 1/min
	Rpm of hollow shaft	20 1/min
	Development data (SymptomID (last))	221
	Development data (TSL-Req (last))	D

Description

HEX Code Data

Control Unit Variant.JPG

Y3/14 - Transmission control for 8-speed dual-clutch transmission (DKG)			
Model	Part number	Supplier	Version
Hardware	000 901 08 04	ZF	20/69 030
Software	000 003 00 00	ZF	2141 000
Software	724 902 07 03	ZF	2249 000
Boot software	---	---	2141 000
Diagnosis Identifier	000397	Control unit variant	TCM8FDCT_PT4 Appl. 228

Control Unit Identification

Remedy

Software has been released and available for update through Xentry

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 transmission > Automatic transmission > Function > Limp-home mode
Power transmission > Automatic transmission > Function > Malfunction
Power transmission > Automatic transmission > Function > Electrical fault/Fault code

Control unit/fault code	
Control unit	Fault text
Y3/14 - Transmission control for 8-speed dual-clutch transmission (DKG) (TCM8FDCT_PT4)	P07FF00 - The transmission malfunctions during a cold start. _ P092100 - The shift valve of the inner shaft has a mal-function. _

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