

Direct Selection Lever Module Cannot be Switched to Park Position "P" - Malfunction of "P" Button

Topic number	LI27.60-P-077704
Version	3
Function group	27.60 - Gearshift, control
Date	6/7/24
Validity	Valid for vehicles of model series 290 with DSI (center gearshift) -> Vehicles up to modification year 22/2
Reason for change	Remedy update

Complaint

DSI selection lever module cannot be switched to park position "P" - malfunction of "P" button

Note: Vehicle can still be placed into park by opening driver's door, or turning off ignition. Please refer to operator's manual section, "Engaging park position P," for additional instructions.

Cause

Possible causes:

1. Contamination/ingress of dust
2. Short circuit due to ingress of water

Remedy

Clean printed circuit board under plastic housing and button "P":

1. Remove DSI (AR27.60-P-0901FRX)
2. Remove housing of DSI (see picture 1)
3. Remove cover around "P" button above printed circuit board (see picture 2)
4. Check printed circuit board: Liquid residues and/or contamination (cf. picture 3)
5. Check "P" button: Water residues and/or contamination (cf. picture 4)
6. Carefully clean the affected areas (using contact cleaner)
7. Reassemble and check the functionality
8. If fault code still present after rework -- follow available guided test remedy.

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

XENTRY Tips

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.

Attachments	
File	Description
Bilder Abhilfe Mittelschaltung DSI.pdf	Photos of Direct Selection Interface & Circuit Board

WIS-References		
Document number	Title	Note
AR27.60-P-0901FRX	Remove DSI center gearshift	Remove DSI center gearshift

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 > Drive position selection > Function > Gear cannot be engaged

Control unit/fault code	
Control unit	Fault text
N150 - DIRECT SELECT interface (DSI) (DSI290)	P085015 - The button 'Gear range P' has a malfunction. There is a short circuit to positive or an open circuit. P085011 - The button 'Gear range P' has a malfunction. There is a short circuit to ground.

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