

Front Right Tire Pressure Sensor Nonfunctional/Not Detected

Topic number	LI40.15-P-073336
Version	2
Function group	40.15 - Tire pressure/tire pressure monitoring
Date	3/18/25
Validity	Model series 118, 177, 243 and 247 with code 475 (Tire pressure monitor)
Reason for change	Electrical wiring harness position with new position in XENTRY Parts Information. Old: 300, new: 400

Complaint

Front right tire pressure sensor sporadically or permanently not detected.

Applicable fault codes on front right tire pressure sensor, see table "Control unit/fault code".

Cause

Coaxial cable from instrument cluster to instrument cluster control unit (under driver's seat) damaged.

Attachments	
File	Description
Coaxial Cable Damage.jpg	Coaxial Cable Damaged
	

WIS-References		
Document number	Title	Note
AR54.30-P-6023MFA	Remove/install display module	-
AR54.30-P-7101MFA	Remove/install instrument cluster control unit	-

Remedy

Check coaxial cable from display cluster for head unit/instrument cluster (A26/17 or A40/16 - depending on equipment variant) to head unit/display cluster control unit (N133/1 or N166).

If the plug contact of the coaxial cable or the connector housing connection is faulty, replace coaxial cable (see XPI).

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
Chassis/suspension > Wheels/tires > Tire pressure monitor TPM display > Display in yellow > Tire press. monitor temporarily unavailable
Chassis/suspension > Wheels/tires > Tire pressure monitor TPM display > Display in yellow > Tire press. monitor in-operative No wheel sensors
Chassis/suspension > Wheels/tires > Tire pressure monitor TPM display > Display in yellow > Tire press. monitor in-operative
Chassis/suspension > Wheels/tires > Tire pressure monitor TPM display > Display in yellow > Tire pressure monitor currently unavailable
Chassis/suspension > Wheels/tires > Tire pressure monitor TPM display > Display in yellow > Tire press. monitoring No wheel sensors

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 177 540 ** **			Electrical wiring harness for Connect 5/Connect 20 head unit	1	Main group 54, picture 545, position 400	X

Control unit/fault code	
Control unit	Fault text
N88 - Tire pressure monitor (TPM) (TPMMFA2)	U116509 - Communication with tire pressure sensor 4 has a malfunction. There is a component fault.
	U116409 - Communication with tire pressure sensor 3 has a malfunction. There is a component fault.
	U116309 - Communication with tire pressure sensor 2 has a malfunction. There is a component fault.
	U116209 - Communication with tire pressure sensor 1 has a malfunction. There is a component fault.

	C1504FA - Tire pressure sensor 4 has a malfunction. _
	C1503FA - Tire pressure sensor 3 has a malfunction. _
	C1502FA - Tire pressure sensor 2 has a malfunction. _
	C1501FA - Tire pressure sensor 1 has a malfunction. _

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