

Front Right Tire Pressure Sensor Nonfunctional/Not Detected

Topic number	LI40.15-P-073336
Version	1
Function group	40.15 - Tire pressure/tire pressure monitoring
Date	7/26/21
Validity	Model series 118, 177, 243 and 247 with code 475 (Tire pressure monitor)
Reason for change	


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
Koaxialkabel defek-  t.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	-

XENTRY TIPS

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).

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 inoperative No wheel sensors
Chassis/suspension > Wheels/tires > Tire pressure monitor TPM display > Display in yellow > Tire press. monitor inoperative
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 300	X

Control unit/fault code	
Control unit	Fault text
N88 - Tire pressure monitor (TPM)	<p>U116509 - Communication with tire pressure sensor 4 has a malfunction. There is a component fault.</p> <p>U116409 - Communication with tire pressure sensor 3 has a malfunction. There is a component fault.</p> <p>U116309 - Communication with tire pressure sensor 2 has a malfunction. There is a component fault.</p> <p>U116209 - Communication with tire pressure sensor 1 has a malfunction. There is a component fault.</p> <p>C1504FA - Tire pressure sensor 4 has a malfunction. _</p> <p>C1501FA - Tire pressure sensor 1 has a malfunction. _</p> <p>C1503FA - Tire pressure sensor 3 has a malfunction. _</p> <p>C1502FA - Tire pressure sensor 2 has a malfunction. _</p>

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

