Front Right Tire Pressure Sensor Nonfunctional/Not Detected

Topic number LI40.15-P-073336

Version

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

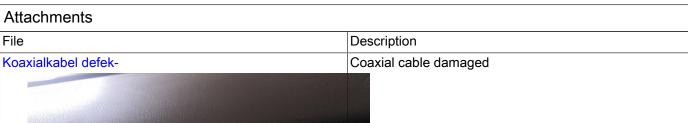
Complaint

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.





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).

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	Х		

Control unit/fault code					
Control unit	Fault text				
N88 - Tire pressure monitor (TPM)	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				
	C1501FA - Tire pressure sensor 1 has a malfunction				
	C1503FA - Tire pressure sensor 3 has a malfunction				
	C1502FA - Tire pressure sensor 2 has a malfunction				

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