



SUBJECT

Check Control Message: Tire Pressure Monitor (RDCi) Failure

MODEL

F15 (X5)

F16 (X6)

F80 (M3 Sedan)

F82 (M4 Coupe)

F83 (M4 Convertible)

F85 (X5 M)

F86 (X6 M)

I01 (i3 and i3 REx)

I12 (i8)

Produced from SOP to 08/2015

F22 (2 Series Coupe)

F30 (3 Series Sedan)

F31 (3 Series Sports Wagon)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

F34 (3 Series Gran Turismo)

F36 (4 Series Gran Coupe)

Produced from 03/2014 to 08/2015

SITUATION

A Check Control Message states Tire Pressure Monitor (RDCi) has failed

CAUSE

Hardware in the remote control unit (FBD3 antenna)

PROCEDURE

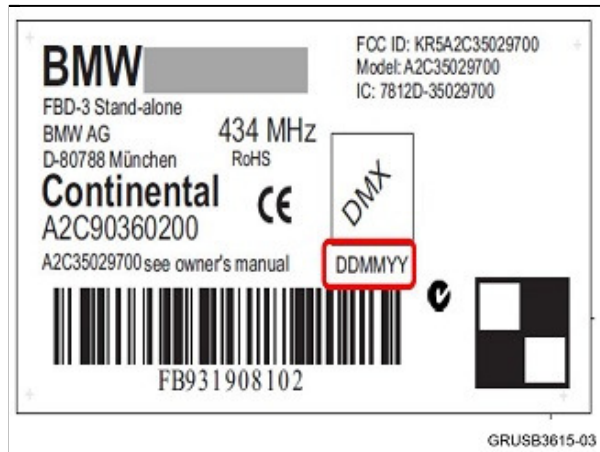
Perform vehicle test and identify fault codes stored in the Dynamic Stability Control (DSC) unit.

0x48069E	RDCi Unable to calibrate wheel detection system
0x4806B8	RDCi No reception, front left wheel electronics
0x4806DA	RDCi No reception, front right wheel electronics

0x4806F0	RDCi No reception, rear left wheel electronics
0x4806F4	RDCi No reception, rear right wheel electronics
0x4809EB	RDCi No reception, wheel electronics (position unknown)

If one or more of the fault codes listed is entered in the DSC unit, proceed as follows:

- Visually inspect the valve stems for damage. Repair as necessary
- If no problem is found during visual inspection, replace the remote control unit (FBD3) in accordance with the model specific repair instructions REP 61 31 362.



- Check the tire pressures and correct if necessary
- Initialize the RDCi system

The initialization is successful once the wheels have turned green in the RDCi menu of the control display.

If the initialization is not successful, run the vehicle test with ISTA/D and work through the corresponding test module.

PARTS INFORMATION

Part Number	Description	Quantity
Refer to ETK/EPC	Remote control unit (FBD3 antenna)	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	66 10 03 15 00	
---------------------	-----------------------	--

All Models

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)

And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)
And:		
61 31 863	Refer to KSD2	Replacing radio remote control unit (after vehicle diagnosis)
And:		
36 11 100	4 FRU	Work time to check tire pressures, correct if necessary, perform the initialization test drive.

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 36 11 100 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

And, additionally for the F30 (3 Series Sedan) and the F80 (M3 Sedan)

Labor Operation:	Labor Allowance:	Description:
See Flat Rates (FR) Main/Sub Group “51 46 ...”	Refer to KSD2	Removing and installing trim panel for hatrack (use the one that is applicable to the vehicle’s equipment level) (Plus work only)

Other Repairs

If performing other ISTA diagnostics and related test plans results with **eligible and covered work**, claim this work with the applicable defect code and labor operations listed in KSD2.

[Copyright ©2015 BMW of North America, Inc.]