



## SB-10056095-9957

### SUBJECT

**RDC: Incorrect Tire Position Displayed with Air Pressure Drop**

### MODEL

F01 (7 Series Sedan)

F02 (7 Series Sedan)

F04 (ActiveHybrid 7)

F07 (5 Series Gran Turismo)

F10 (5 Series Sedan)

F12 (6 Series Convertible)

F13 (6 Series Coupe)

F25 (X3)

Produced from 8/2011 through 12/2011

### SITUATION

When there is a low tire pressure warning, in some cases the position of the affected tire may be incorrectly displayed in the instrument cluster and CD (Control Display).

### CAUSE

Software error in the RDC (tire pressure control) module in conjunction with wheel electronics part number 4 078 787 or 4 079 152

### CORRECTION

Run diagnostics with ISTA/D and work through the corresponding test module. If the test module indicates replacement of the wheel electronics, identify which part number is installed.



If P/N 4 078 787 or 4 079 152 is found, replace all four wheel electronics with P/N 36 10 6 856 227. If P/N 4 078 787 or 4 079 152 is **NOT** found, proceed as instructed by the ISTA test module and replace the indicated sensor.  
**Note:** P/N 4 078 787 or 4 079 152 is easily identified by the stars that border the face of the wheel electronics, as seen in the picture to the left.

### PARTS INFORMATION

Part Number	Description	Quantity
36 10 6 856 227	Wheel electronics module	4

#### WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program.

When P/N 4 078 787 or 4 079 152 are found, replace all four wheel electronics with P/N 36 10 6 856 227.

<b>Defect Code:</b>	<b>36 20 01 12 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
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, as necessary		
36 11 100	Work time (WT)	Performing vehicle diagnosis – RDC test module
and		
36 12 567	Refer to KSD2	Reposition tires on rims for front and rear wheels
and		
36 11 535	Refer to KSD2	Removing and installing or replacing one RDC wheel electronic module
and		
36 99 000	3 FRU	Work time to replace the other three (3) RDC wheel electronic modules

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Even though work time labor operation code 36 11 100 ends in “100,” it is not considered a Main labor operation.

Work time (WT) labor operation 36 11 100 requires an individual punch time.

Even though work time labor operation code 36 99 000 ends in “000,” it 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 for work time operation code 36 99 000.

#### Wheel and Tire Balancing with the above work– Wheels Removed

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
36 12 574	Refer to KSD2	Mounting “four tires on rims” and balancing dynamically
or		
36 12 572	Refer to KSD2	Mounting “two tires on rims” and balancing dynamically
or		
36 12 571	Refer to KSD2	Mounting “one tire on rim” and balancing dynamically

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

### Other Repairs

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

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