	GROUP CHA	MODEL 2016MY Sorento (UMa) Optima (JFa)
	NUMBER 061	DATE December 2015
TECHNICAL SERVICE BULLETIN		
SUBJECT: SERVICE ACTION: TPMS REPLACEMENT (SA 213)		

This bulletin provides the procedure to check or replace the TPMS sensors for some 2016MY Optima (JFa) and 2016MY Sorento (UMa) vehicles, produced from September 28th, 2015 through December 7th, 2015 which may exhibit a false TPMS malfunction indicator light on the cluster, with DTC C131200, C131300, C131400, and/or C131500, even when the inflation pressure in the tire is correct. To correct and/or prevent this condition, Kia is requesting the completion of this Service Action on all affected vehicles. Before conducting the procedure, verify the vehicle is included in the list of affected VINs on Page 8.



*** NOTICE**

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service> Warranty Coverage> Warranty Coverage Inquiry> Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs> Not Completed Recall> Recall VIN> Select Report), which includes a list of affected vehicles.

This issue number is SA213.

File Under: <Chassis >

- Circulate To: General Manager Service Manager Parts Manager
- Service Advisor(s) Technician(s) Body Shop Manager Fleet Repair

Service Procedure:

1. Use GDS/KDS to obtain the TPMS sensor IDs. Then, compare the TPMS IDs to the VIN list on Page 8 to identify the affected TPMS sensors (highlighted in red).

Sensor Name(92)	Value	Unit	Link Up
Front Left ID	81E37882	-	
Front Right ID	81E365A3	-	
Rear Right ID	81EE89A3	-	
Rear Left ID	81E37926	-	
Front Left Pressure	78	inHg	
Front Left Temperature	93	'F	

★ NOTICE

Refer to the information below to identify the format for Optima (JFa) and Sorento (UMa) TPMS ID codes.

JFa: 2nd digit of ID consists of 0 ~ 7 (ex: 81D1E6D8)

UMa: 2nd digit of ID consists of 8 ~ 9 or A ~ F (ex: 8E22D233)

2. Use yellow chalk to create a reference mark for the original mounting location on the affected tire, as shown.

★ NOTICE

Upon reinstallation, use the tire reference marks to re-install each tire in the same location.

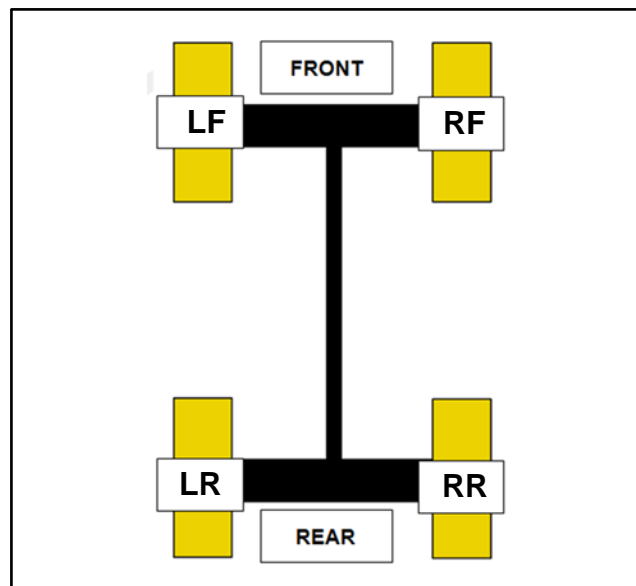


Image shown is for reference only and will vary by model.

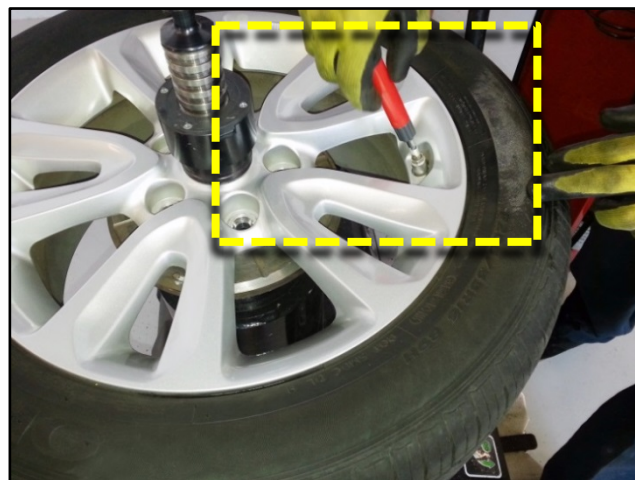
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- Place the vehicle on the lift and remove the affected wheel assembly.



- Remove the valve cores from the valve stems and allow the tire to deflate. **NOTE: The valve core can be discarded.**



- Use a ruler and yellow chalk to make reference marks 2" to either side of the valve stem, as shown.

**CAUTION**

To prevent damage to the TPMS sensor, avoid breaking the bead too close to the sensor. Any damage to the TPMS sensor during removal is **NOT** considered a warrantable concern.



6. Insert the machine's shoe into the bead to either side of the reference marks.



7. Use the machine's shoe to break the bead ONLY enough to expose the TPMS sensor. Then, remove the nut and pull the TPMS sensor from the wheel. **NOTE: Be careful NOT to drop the TPMS sensor inside the wheel/tire assembly.**



8. Re-install the TPMS assembly onto the wheel and secure in place using the new nut.

**Torque TPMS nut to:
2.6 ~ 3.3 lb-ft (3.5 ~ 4.5 Nm)**



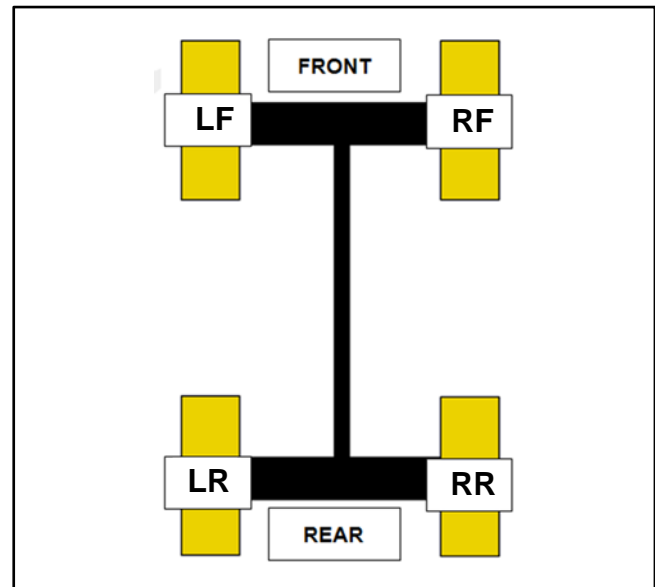
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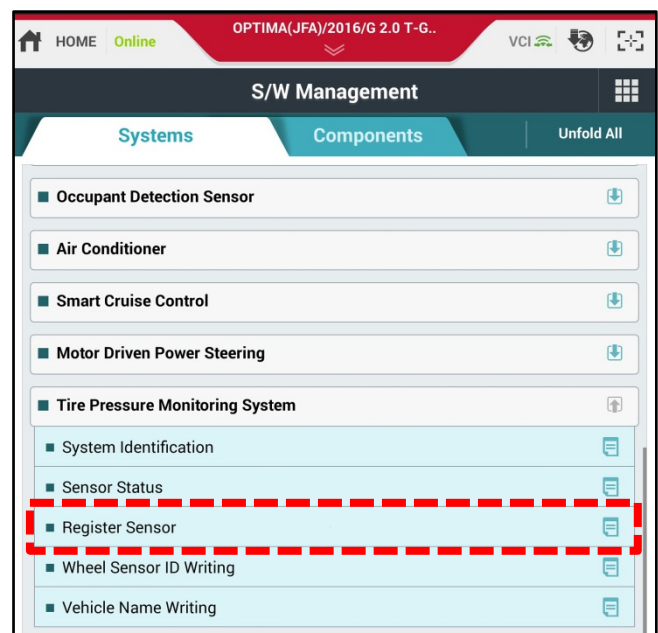
9. Inflate the tires to the proper pressure by referring to the table and install the valve stem caps.

Model	Pressure (PSI)
Sorento (UMa)	34 PSI
Optima (JFa)	34 PSI

10. Re-install the wheels, in the same mounting location, by using the reference marks created in step 2.



11. Use GDS/KDS to register the new TPMS sensor(s).



12. Wipe off the reference marks on the sidewall of the tire.



AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Sorento (UMa)	From September 28th, 2015 through December 7th, 2015
Optima (JFa)	

PART INFORMATION:

Part Name	Model	Part Number	Comments
Valve -TPMS	Sorento (UMa)	52933 3N100	Replacement Parts will be Shipped directly to each dealer.
Valve -TPMS	Optima (JFa)	52933 D4100	

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WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Time	Related Parts	Qty.
V	52933 3N100	1	N99	C99	(SA 213) TPMS Sensor Replace One (1) (UMa)	150A32R0	0.7 M/H	N/A	N/A
		2			(SA 213) TPMS Sensor Replace Two (2) (UMa)	150A32R1	0.9 M/H		
		4			(SA 213) TPMS Sensor Replace Four (4) (UMa)	150A32R2	1.3 M/H		
	52933 D4100	1			(SA 213) TPMS Sensor Replace One (1) (JFa)	150A32R3	0.7 M/H		
		2			(SA 213) TPMS Sensor Replace Two (2) (JFa)	150A32R4	0.9 M/H		
		4			(SA 213) TPMS Sensor Replace Four (4) (JFa)	150A32R5	1.3 M/H		

*** NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA213 when accessing the WebDCS system.

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VIN LIST:

VIN	TPMSID	TPMSID	TPMSID	TPMSID	Replace Qty.
5XYPGDA33GG	8E0E7694	8E252141	819EACCC	8DFEB7B1	1
5XYPHDA5XGG	8E2384F4	8E2C7695	819EABC3	8E0EB79D	1
5XYPK4A53GG	8E22D84B	8E2E2153	819EB40C	8E2E278A	1
5XYPG4A31GG	8E22D686	8E2DE099	819EB327	8E1E5444	1
5XYPKDA50GG	8E22D3D8	8E22D550	8E22D0E1	815F285B	1
5XYPGDA50GG	81D21891	81D2009A	8E4BE333	8E4BE448	2
5XYPG4A32GG	81E3B93A	81E3B31D	81E3AA01	81E3AC4D	4
5XYPK4A12GG	81E3AA27	81E3AAF8	81E3A0BF	81E3AADE	4
5XYPKDA53GG	8E4C4386	8E4C4054	8E4BE7E7	81E3A88F	1
5XYPHDA58GG	8E495055	818087F3	8E49510F	8E49564D	1
5XYPG4A38GG	81EE4900	8E5896AA	8E48F6D9	8E4C4257	1
5XYPG4A52GG	8E534500	81E0D209	8E5343F8	8E5344EF	1
5XYPGDA5XGG	8E58945F	81E300EA	8E4C4610	8E58968C	1
5XYPGDA52GG	8E37B290	8E534AC0	81E0E048	8E49529B	1
5XYPG4A56GG	81E11B29	8E49D76F	8E370508	8E58952C	1
5XYPGDA58GG	8E59B71F	81E0C305	8E3703CF	8E58905E	1
5XYPHDA5XGG	8E53499F	81D28A94	8E5349AE	8E3DF6DB	1
5XYPHDA58GG	8E4AE59E	81E10E82	8E5DA5B8	8E5EA456	1
5XYPGDA5XGG	8E5DA03F	8E0BF2A0	82A442E5	8E59B214	1
5XXGU4L34GG	8180F58D	8180F925	8E22D10A	819EABCF	1
5XXGT4L35GG	8180E702	8E2DE5DE	8180E927	8.18E+192	1
5XXGT4L35GG	8180F6F8	8E22D365	819EA62B	8180F1C5	1
5XXGU4L36GG	8E22D233	8180F1AC	8180E14B	819EAD0E	1
5XXGU4L36GG	8180E8E7	8E058816	818080BE	81808D52	1
5XXGU4L33GG	81CE8840	8E3E2746	81CE8BF4	81CE82EA	1
5XXGT4L31GG	8E081B8E	81D305DD	81D286F4	81D28CE9	1
5XXGT4L11GG	81D30A6C	81D3058C	8E2E23B8	81D30C00	1
5XXGU4L36GG	8E5325E4	81EE8F62	81EE969F	81E3AAEE	1
5XXGT4L36GG	81E30BA4	81E31728	81E31881	8E48F611	1
5XXGU4L34GG	81E3120B	81E30FDD	8E4B3308	81E30171	1
5XXGU4L34GG	81E0F5D1	81E0F00E	81EE57CC	8E48F779	1
5XXGT4L36GG	8E4B30A5	81E103B6	81EE5185	81EE417D	1
5XXGU4L32GG	81D1E6D8	81D1E7B1	8E4C450E	81D1E6BE	1
5XXGU4L33GG	81EE4B35	81EE53FF	8E590B7B	81D1E4CF	1
5XXGT4L38GG	81E10EBB	81E10902	81EE4570	8E370607	1
5XXGT4L37GG	81EE8FBE	81E10E04	8E4AE599	81D15013	1
5XXGT4L31GG	81D30546	8E0BF09C	81D30837	81E10A98	1
5XXGT4L31GG	81E20F28	81E20C42	8E37B2FF	8E37008E	2
5XXGT4L31GG	8E5EA0B8	81E1B57C	81E1A85B	81F5029F	1

Note: Affected TPMS IDs highlighted in red.