	GROUP CLI	MODEL 2011-2014MY Optima (QF/TF) 2011-2013MY Sorento (XMa)
	NUMBER 026 (Rev 1, 04/21/2017)	DATE February 2015
TECHNICAL SERVICE BULLETIN		
SUBJECT: A/C EVAPORATOR FREEZE-UP DURING EXTENDED DRIVE		

*** NOTICE**

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides the procedure to replace the evaporator temperature sensor of some **2011-2014MY Optima (TF/QF) and 2011-2013MY Sorento (XMa) vehicles ONLY** (see production dates on Page 3), which may experience freezing of condensation on the evaporator core and the following A/C performance related concerns below.

Do NOT refer to this bulletin or the resistance specifications listed in this bulletin for ANY other models.

- Increased cabin temperatures after a long period of highway driving
- **Lower volume of air flow felt coming out of the vents**
- Increased noise from the blower motor due to restricted airflow across the evaporator
- Small particles of ice or water vapor seen exiting from the dashboard vent

NOTE: Switching from Recirculation Mode to Fresh Air Mode or parking for several minutes may restore normal A/C operation, for a period of time.

These conditions occur more often in extremely hot and humid climates (Texas, Florida, Louisiana, Arkansas, Missouri, etc.). In the event a customer complains about any of these specific conditions, perform the procedure outlined in this bulletin to resolve the concern.

*** NOTICE**

Replacement parts will have a small blue line on the connector, as shown below.



Sorento (XMa)
P/N 97614 3K000FFF



Optima (QF/TF)
P/N 97614 3S000FFF

File Under: <Climate>

Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

SUBJECT: A/C EVAPORATOR FREEZE-UP DURING EXTENDED DRIVE

Service Procedure:

★ NOTICE

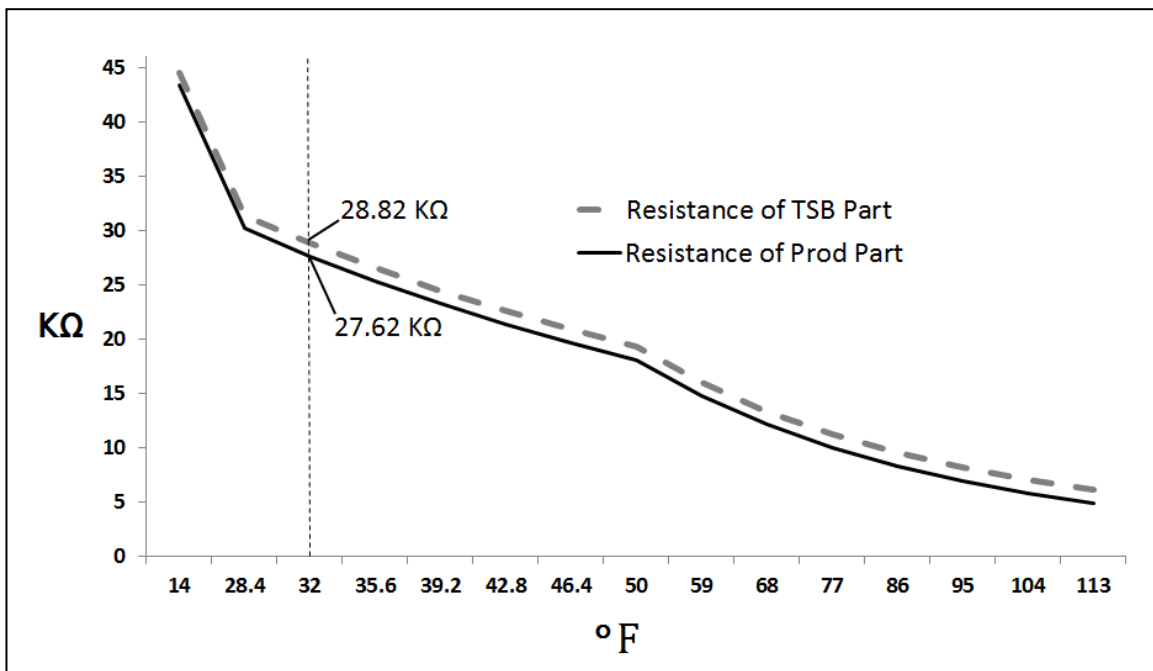
The bulletin ONLY applies to 11-14MY Optima (QF/TF) and 11-13MY Sorento (XMa) vehicles, equipped with Hanon A/C systems. Do NOT refer to this bulletin or the resistance specifications listed in this bulletin for ANY other models.

Prior to replacing any components, check for normal A/C operation and cold vent temperatures after starting vehicle and selecting MAX Cool for several minutes. Evaporator icing will not be present after start up and during a test of the HVAC system under these conditions. Sensor replacement will NOT correct a customer complaint related to the system taking too long to cool after entering a heat-soaked vehicle.

1. Replace the affected evaporator temperature sensor with a new one by referring to the applicable workshop manual on KGIS (Specific section shown below).

Heating, Ventilation, Air Conditioning → Air Conditioning System → Evaporator Temperature Sensor → Repair procedures” chapter in the applicable Workshop Manual on KGIS.

Temp. (°F)	Resistance (Original Part) (KΩ)	Resistance (Replacement Part) (KΩ)
113	4.90	6.1
104	5.81	7.01
95.0	6.93	8.13
86.0	8.30	9.5
77.0	10.00	11.2
68.0	12.11	13.31
59.0	14.75	15.95
50.0	18.07	19.27
46.4	19.63	20.83
42.8	21.35	22.55
39.2	23.24	24.44
35.6	25.32	26.52
32.0	27.62	28.82
28.4	30.16	31.36
14.0	43.35	44.55





SUBJECT:

A/C EVAPORATOR FREEZE-UP DURING EXTENDED DRIVE

AFFECTED VEHICLE RANGE:

Model	Climate Control Type	Production Date Range
Optima (TF)	Manual A/C	From SOP through April 4, 2014
	Auto A/C	From SOP through June 23, 2014
Optima (QF)	Manual A/C	From SOP through May 13, 2014
	Auto A/C	From SOP through July 12, 2013
Sorento (XMa)	N/A	From SOP through January 21, 2013

REQUIRED PART:

Model	Part Name	Part Number	Figure	
Sorento (XMa)	Evaporator Temperature Sensor	97614 3K000FFF		Replacement parts will have a blue line on the connector.
Optima (QF/TF)		97614 3S000FFF		

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty.	N Code	C Code	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	97614 3K000	0	B1A	ZZ1	Evaporator Temperature Sensor Replace (XMa)	97614F02	0.2 M/H	97614 3K000FFF	1
	97614 3S000				Evaporator Temperature Sensor Replace (QF/TF)			97614 3S000FFF	