	GROUP	MODEL
	Climate	**2011~2014MY Optima (QF/TF) 2011~2013MY Sorento (XMa)**
	NUMBER	DATE
	026	**February 2015**

TECHNICAL SERVICE BULLETIN

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

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

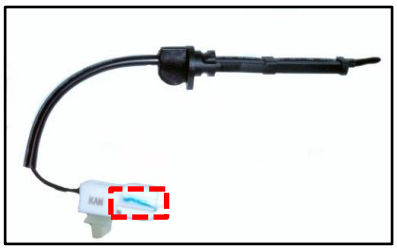
- Increased cabin temperatures after a long period of highway driving
- **Lower volume of air flow felt coming out of the vents**
- Increased noise from the blower motor due to restricted airflow across the evaporator
- Small particles of ice or water vapor seen exiting from the dashboard vent

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 Advisor(s)** ☒ **Technician(s)** ☒ **Body Shop Manager** ☒ **Fleet Repair**

SUBJECT A/C EVAPORATOR FREEZE-UP DURING EXTENDED DRIVE

Service Procedure:

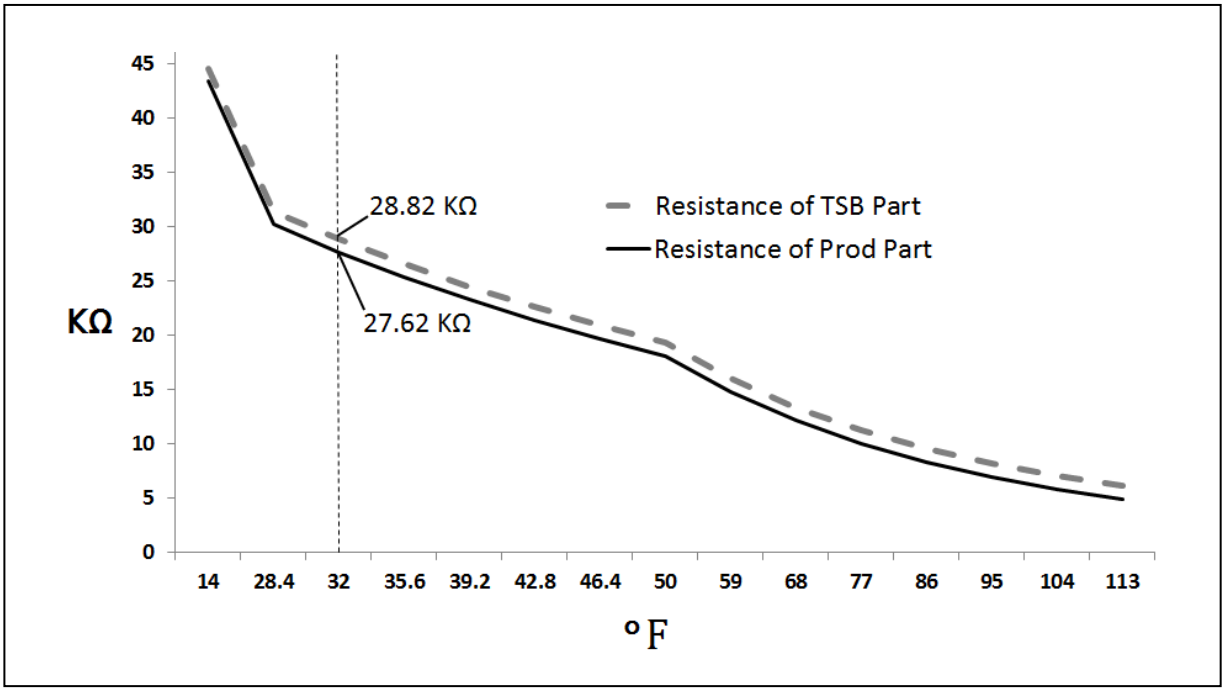
★ NOTICE

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 an new one by referring to the applicable workshop manual on KGIS (Specific section 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

REQUIRED PARTS:

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		

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

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	(CLI 026) Evaporator Temperature Sensor Replace (XMa)	97614F02	0.2 M/H	97614 3K000FFF	1
	97614 3S000				(CLI 026) Evaporator Temperature Sensor Replace (QF/TF)			97614 3S000FFF	