



Cooler Temp Thermoswitch.

By Loyale 2.7 Turbo, November 29, 2011 in Old Gen.: 80's GL/DL/XT/Loyales...

ThermoSwitchThermoswitchCoolerTempsJesZeKTemperaturesLoyale 2.7 TurboCooling SystemFan



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Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted November 29, 2011 (edited)

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Roatán, Honduras.

Where could I Find a Cooler temp Thermoswitch for my EA82 **BumbleBeast**?

The Stock EA82 one is designed to start the electric Fan at 203º F while the EA82 Turbo one is Designed to Kick on at 200º F. I am Looking for something even Cooler to swap there, Because I am Removing the Fixed Pulley Driven Fan and installing another Electric fan instead, as you can read ~► [Here](#).

So, does anybody know of a Cooler thermostwitch and its part Number or Make/model of the car ?

Kind Regards.

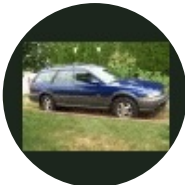
Edited February 6, 2014 by Loyale 2.7 Turbo

nipper

Semi Elite Master of the

Posted November 29, 2011

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Long Island NY

WHy not just get an aftermarket fan switch kit. They usually have an adjustable thermostat on them.

Go to ebay and search "**adjustable fan switch**"

Loyale 2.7 Turbo
The Mighty "BumbleBeast"

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OK, I'll do that search...

I was hoping that there could be a Direct Bolt-on Replacement.

Our caribbean Hot Climates makes me to be Afraid about not having the Pulley Driven Fan and the stock electric fan is designed to start when the Temp gauge are Above the Middle as an "*Auxiliary*" fan because the **main** fan is the permanent one, moved by the Waterpump & Belts... Also the Electric fan kicks on, whenever the A/C is on.

Kind Regards.

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Loyale 2.7 Turbo
The Mighty "BumbleBeast"

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Maybe I Can Refine my Question: is there any other (Subaru or non-Subaru) Thermostwitch that is designed to Kick on at lower temperatures than the Stock one, that Fits on my Subie? ... I Need the Year / Model \ Part Number.

Edited February 6, 2014 by Loyale 2.7 Turbo

zukiru

EJ22T

Posted November 29, 2011

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I've been looking too just for what willi fit from the junkyard, not for a colder one.

The older cars switch has one pole/terminal (won't work)

The loyale and ej switch looks similar but has a pigtail with a different connector.

Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted November 29, 2011 (edited)

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Yes, the Stock one comes with a Twin wires' pigtail connector... (my **BumbleBeast** came from California, USA) ...the replacement I Obtained at the Subaru Dealer (Long years ago), is identical to the Stock one, but has the Twin spades connector built in because it was for the LADM (Latin American Domestic Market) Specs; the only difference is the Connector itself, the temperatures are the same: Both Kicks on at 203º F and has the same thread & Size.

Kind Regards.

Edited February 6, 2014 by Loyale 2.7 Turbo

zukiru
EJ22T



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Both my us spec xts have your replacement style.

I think 85-88 use that style. What year is the bumble beast.

Loyale 2.7 Turbo
The Mighty "BumbleBeast"



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Posted November 29, 2011 (edited)

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... What year is the bumble beast.

1985

I can search for a Picture of the Old Pigtailed Thermoswitch... 😊

Edited February 6, 2014 by Loyale 2.7 Turbo

zukiru
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Posted November 30, 2011

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I believe you.

Just have the other style on my 86 and 88 xt

Maybe california models got the pigtail style.

Keep in mind though you car needs to get to operating temp. Running cold can decrease fuel mileage

opus

Subaru Nut



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Trout Creek

Posted November 30, 2011

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They want like \$70 for one of them. I need one too but I aint paying that for it!

El Presidente

Subaru Fanatic!



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622 posts
Northgate/Seattle, WA

Posted November 30, 2011

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If you can't find something to work, my hayden 3647 fan controller costs \$20-25 USD at O'rielly's and can be set anywhere between 160-210 degrees F.. It can be used on any fan, comes prewired for an optional auxiliary fan, A/C override and creates less resistance in the circuit than a stock switch. It also uses a probe you push through the radiator fins so you don't have to monkey around with the stock thermo switch bung. I all took me about 25-30 mins to install and dial in. My rig warms up fast because theres no fan turning when cold, but never gets above the middle of the gauge.

If you go this route you could wire a light to the old OEM switch to one of the fans as a backup in case your nearing an overheat and/or wire a warning light to it to let you know sometings wrong

I didn't realize you asked me for pics of my setup in your other post. I can get you some pics if you still want.

Josh

Loyale 2.7 Turbo
The Mighty "BumbleBeast"



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Posted November 30, 2011 (edited)

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Yes, Pics Please! ... I'll like to see that Thermoswitch, also I want to know if you Wired it to the Stock Wiring...

Kind Regards.

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Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted December 1, 2011 (edited)

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I believe you.
Just have the other style on my 86 and 88 xt
Maybe california models got the pigtail style...

Well, I found it!

This is the **Old** original pigtailed Thermoswitch:



This is the **New** one that I Had as Replacement, long years ago:

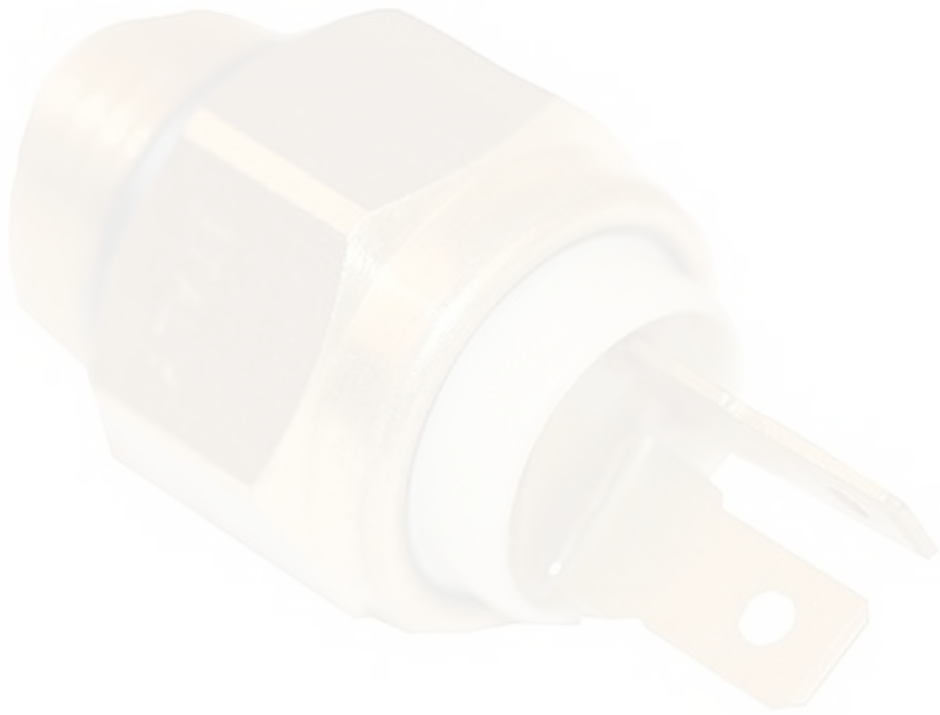


This Pigtailed Thermoswitch has the Part Number: **83052GA041**

and it has its Temperature stamped in Celcius Degrees,

as we use in Latin-America: **92º C** equals to **198º F**

The other Style:



Has the Part Number: **83052GA040**

and it has its Temperature stamped in Fahrenheit Degrees:

203° F equals to **95°** C

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Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted December 2, 2011 (edited)

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So, on the EA82 engines I Found that...

- the **Pigtailed** connector Thermoswitch, it designed to Kick on at **198°** F
- the **twin spades** connector Thermoswitch Kicks on at **203°** F
- the Turbo (EA82T) Thermoswitch Kicks on at **200°** F

...Does anybody Know if there are any Lower temperature Thermoswitch I Can place on my Subie's Radiator ? 🤔

Kind Regards.

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Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted December 4, 2011

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Seems like I'm the First one investigating for a Cooler temp Thermo Switch.

So, the Thread measurements for the Original Subaru Thermo Switch, are:

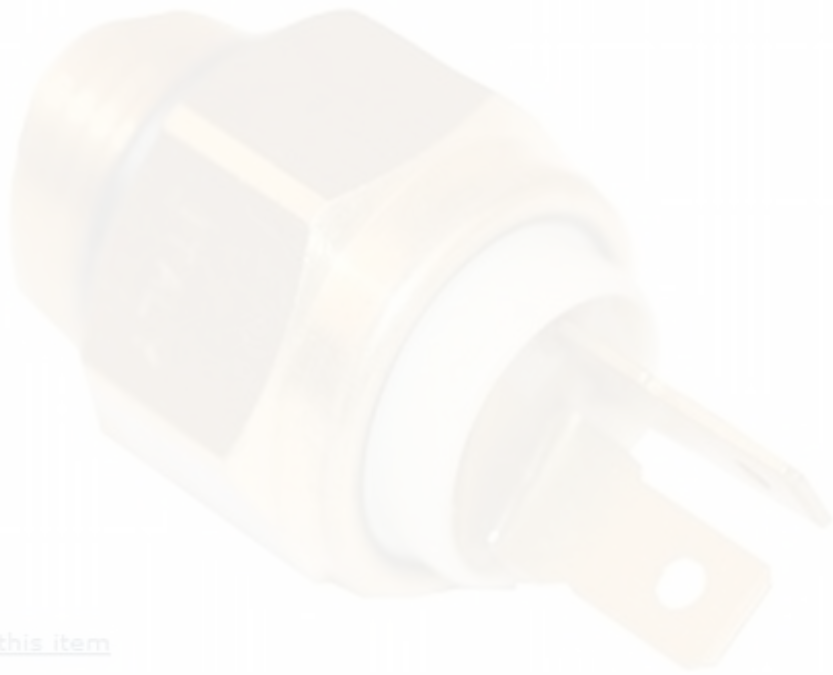


Yes, **16 X 1.5** Pitch...

interesting, since Many Many cars came with that Same Measurement for Thermo Switches, according to the Beck Arnley Thermoswitch Listings.

Beck Arnley Thermo Switches are Made in Italy, of Good Quality Brass, I Found the Replacement Right for the **EA82** engine:

Beck Arnley 201-1378 Thermo Fan Switch



by [Beck Arnley](#)
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Loyale 2.7 Turbo

Compatibility Chart

Make	Model	Year	Engine	Notes
Subaru	All	1985	1.8L H4 OHV	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	All	1985-1987	1.8L H4 OHV	2 SDPADE TERMINAL~OHC
Subaru	All	1986-1987	1.8L H4 OHV	2 SPADE TERM - XT
Subaru	All	1985	1.8L H4 SOHC	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	All	1985-1987	1.8L H4 SOHC	2 SDPADE TERMINAL~OHC
Subaru	All	1986-1987	1.8L H4 SOHC	2 SPADE TERM - XT
Subaru	All	1985	1.8L H4	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	All	1986-1988	1.8L H4	2 SPADE TERM - XT
Subaru	All	1988	1.8L H4	2 SPADE TERMINAL~OHC
Subaru	All	1988-1991	2.7L H6	
Subaru	DL	1985	1.8L H4	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	DL	1986, 1987	1.8L H4	2 SPADE TERM - XT
Subaru	DL	1985		2 PIN SW - ~2 SPADE TERM
Subaru	GL-10	1985	1.8L H4	2 PIN SWITCH - DL~2 SPADE TERM - XT

87.5ea82txt
USMB is life!

Posted January 16, 2012

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So what did you end up using to control your fans?



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Nashville II.

opus

Subaru Nut

Posted January 16, 2012

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I just put the one above your post in the other day. Works fine, \$23 on eBay.



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Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted January 17, 2012 (edited)

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I just put the one above your post in the other day. Works fine, \$23 on eBay.

Yes that works fine for the Stock EA82 that also has a permanent mechanical Fan, because it is how factory intended to use the electric fan: As **Auxiliar**, so It comes ON at **203º F (95º C)** and that is **Hotter** than I should run permanently my **BumbleBeast** without the mechanical fan...

Remember: I wanted a *“Cooler”* temp thermostwitch, because I'm gettin' Rid of the mechanical Fan. 😊

Edited February 6, 2014 by Loyale 2.7 Turbo

Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted January 17, 2012

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So what did you end up using to control your fans?



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Yes, I Already found the Solution last December...

I was just waiting a Whole Month of test drive my **BumbleBeast** prior to post here what I did, in order to give just the Proper advice.

So, I'll post here all the information Soon.

Kind Regards.

Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted February 7, 2012 (edited)

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SOLVED!

And the Results are Awesome! 😊

So, I Wrote a Complete Writeup about the Solution,

which included other Solutions for the Complete Cooling System.

You can Read it, ~▶ [Here](#)

Kind Regards.

► Edited to fix the Web Link, due to the New USMB's System.

Edited February 6, 2014 by Loyale 2.7 Turbo

Loyale 2.7 Turbo
The Mighty "BumbleBeast"

Posted February 7, 2012 (edited)

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I answered my own question.

This is a Resume part from the Writeup I Posted.

(Link on the Previous Post)

...if now the Coolin' System will Depends only on Electric Fans,


They'll need to Start earlier than the Risky **203º F (95º C)** for Sure,

due to the Fact that they will be no More "**Auxiliary**" Fan,

nor a permanent "Mechanical" fan... just Twin Electric Fans.

So I Found that the Subaru's Thermo switch has the Followin' measurements:

M 16 **X** 1.5 Pitch



And Doing my Research, I found that some **Hyundais** came with Same

measurements on their Thermo Switches, and certain models came

with Cooler Temperature Ranges than Subarus.

This is the Original Subaru **EA82** Thermoswitch and its Part Number:

83052GA041



There are Aftermarket ones too:

Beck Arnley 201-1378 Thermo Fan Switch

A photograph of a Beck Arnley 201-1378 Thermo Fan Switch. The component is a brass-colored metal fitting with a white plastic connector and a metal tab. It is shown against a white background.

by [Beck Arnley](#)
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Loyale 2.7 Turbo

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Subaru	All	1985	1.8L H4 OHV	2 PIN SWITCH - DL~2 SPADE TERM - XT
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Subaru	All	1986-1987	1.8L H4 OHV	2 SPADE TERM - XT
Subaru	All	1985	1.8L H4 SOHC	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	All	1985-1987	1.8L H4 SOHC	2 SDPADE TERMINAL~OHC
Subaru	All	1986-1987	1.8L H4 SOHC	2 SPADE TERM - XT
Subaru	All	1985	1.8L H4	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	All	1986-1988	1.8L H4	2 SPADE TERM - XT
Subaru	All	1988	1.8L H4	2 SPADE TERMINAL~OHC
Subaru	All	1988-1991	2.7L H6	
Subaru	DL	1985	1.8L H4	2 PIN SWITCH - DL~2 SPADE TERM - XT
Subaru	DL	1986 , 1987	1.8L H4	2 SPADE TERM - XT
Subaru	DL	1985		2 PIN SW - ~2 SPADE TERM
Subaru	GL-10	1985	1.8L H4	2 PIN SWITCH - DL~2 SPADE TERM - XT

But since **in my Own Humble Opinion**, They're **Too Hot** to be "**Safe**" for

the head gaskets on long term use on the **EA82** without the Mechanical fan;

I Found This one:

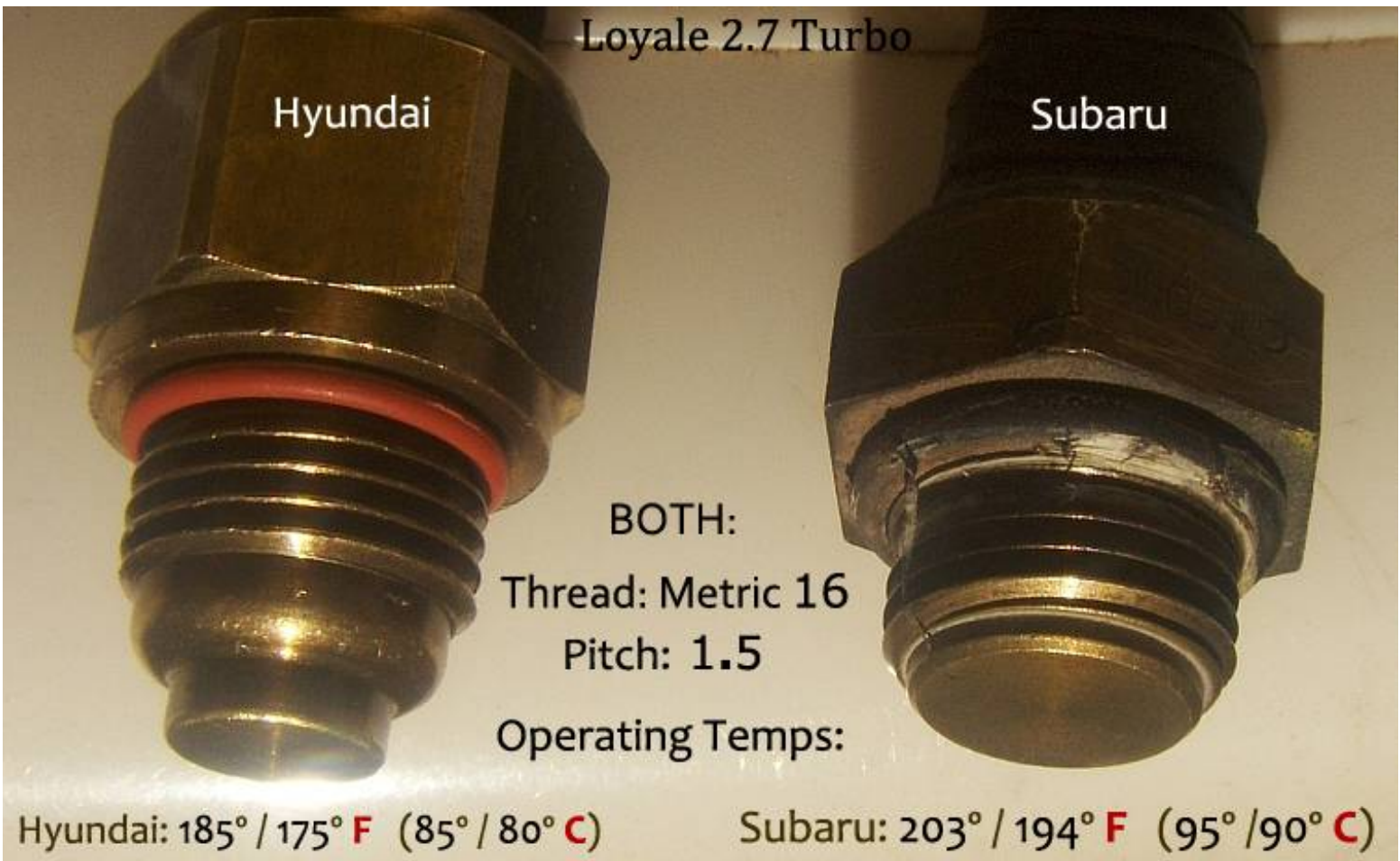


It Belongs to a Hyundai **Elantra**, this is the Part Number chart:

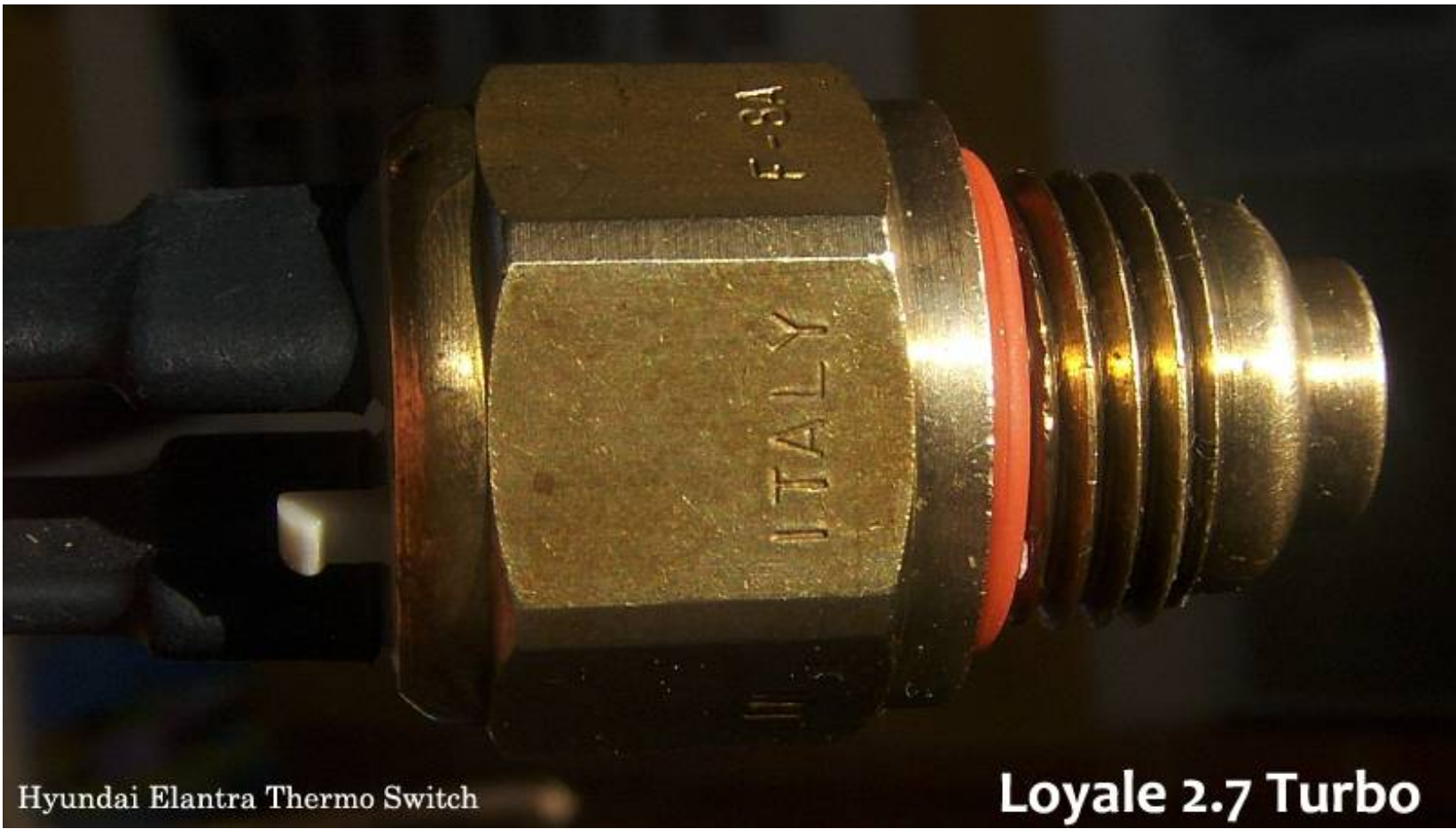
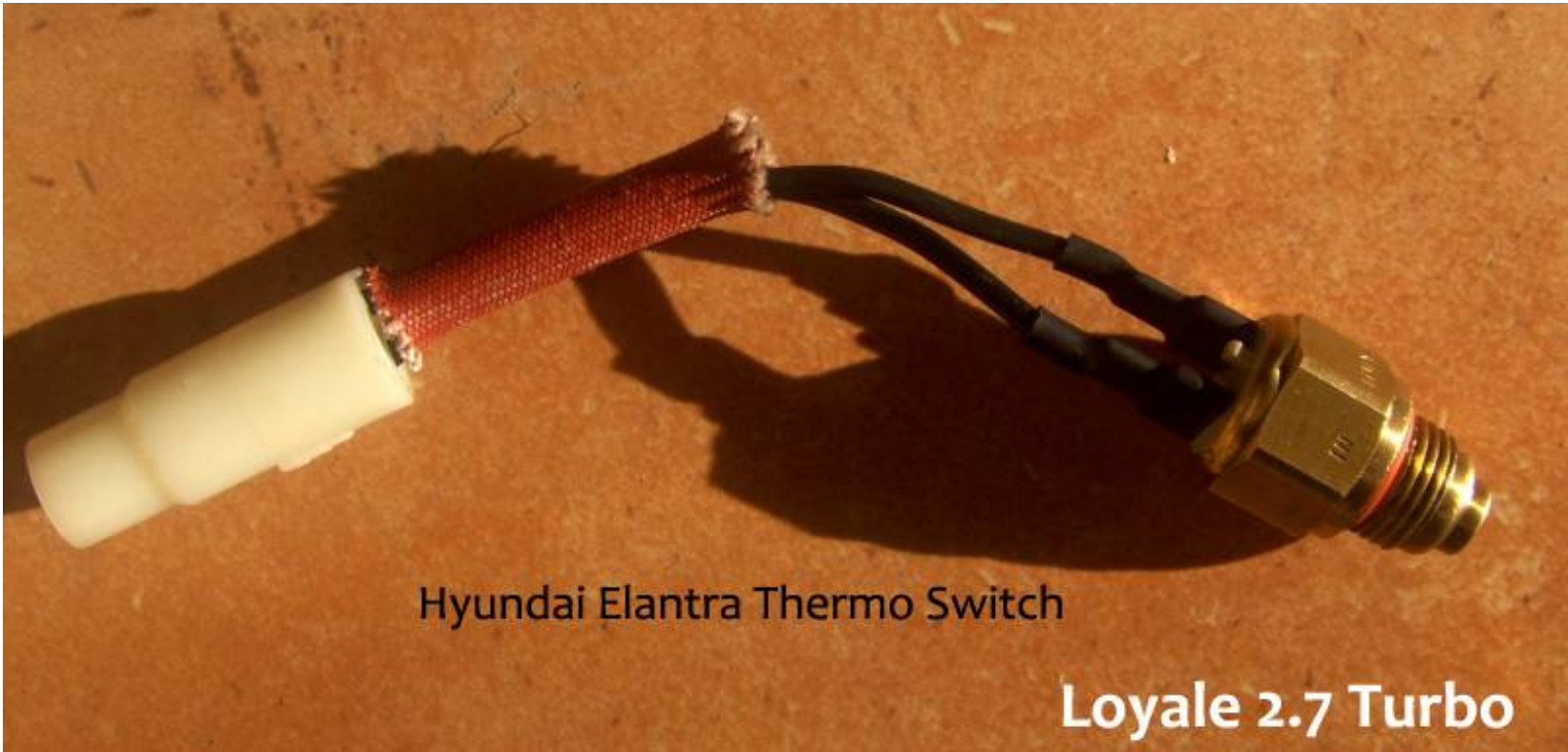
part:	Thermo Switch 2536024000 (HYUNDAI)	
OE No:	25360-24000	Other Nos:
25360-24050 - 25360-28000 - 25360-32100 - 25360-21301		
25360-21100 - 25360-21110 - 25360-21200 - 25360-21201		
Make:	HYUNDAI	
Remarks:	Opening Temperature [°C] 85 Closing Temperature [°C] 80 Thread Size (Metric) 16 x 1.5 Pitch	
		
Photo:	Loyale 2.7 Turbo	
Used in Vehicles:	HYUNDAI ELANTRA	1990-1996
	HYUNDAI PONY	1989-1995
	HYUNDAI SCOUPE	1990-1996

The part number could end in **zero** or **one**, because it has variants for different Hyundai models; no problem; but I Kindly suggest you to use the part number from the Hyundai part's Box, in the **Photo**.

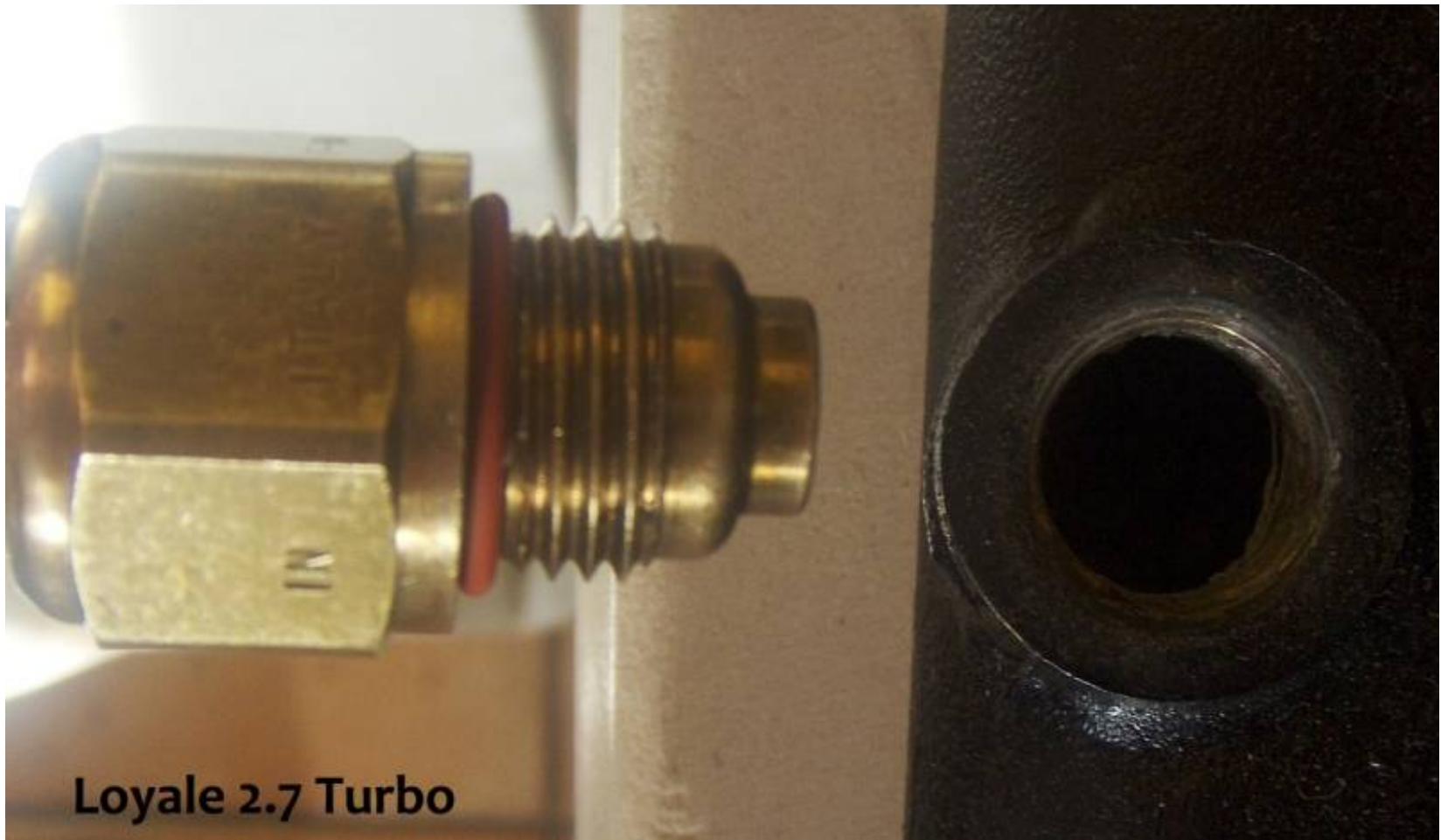
Here you can See Both Thermo Switches Compared Side by Side, and their Temperature Ranges in fahrenheit and Centigrades:



This is the New, Hyundai Thermo Switch:



Testing it to fit onto the Subaru's Radiator:



Already plugged in:



Same Measurements at All.



Edited February 7, 2014 by Loyale 2.7 Turbo

Loyale 2.7 Turbo

The Mighty "BumbleBeast"



Members
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7629 posts
Roatán, Honduras.

Posted February 7, 2012

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It has over a Month of Hard Driving and Works Awesome!

When my **BumbleBeast** reaches the Operating Temperature and the Twin Fans starts, they work for only a Minute and the engine needs Ten Minutes to reach the Opening temperature again, when I tested the car on a Closed Garage.

I Hope this Solution can Help.

Kind Regards.

Loyale 2.7 Turbo

The Mighty "BumbleBeast"



Members
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7629 posts
Roatán, Honduras.

Posted February 6, 2014

Report post

Two years has passed since my last report, so let's post a New one.

The Cooler temps Thermoswitch on my "**BumbleBeast**" has been working Flawlessly since I installed it, in December 2011.

Kind Regards.



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