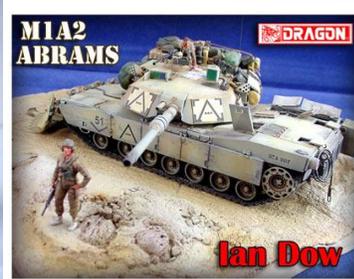




### THE BIGGEST LITTLE MODEL CLUB IN IPMS

### CLUB INFORMATION



IPMS Livonia is a non-profit educational organization created to promote and share the art of plastic modeling. The group meets at 8:00 p.m. every 2nd Tuesday of the Month.

**Meeting Place:** The Pierson Center, Suite 5, 32625 West Seven Mile Rd., Livonia, Michigan.

**Club Officers:**

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**Bull Sheet Staff:**

**Editor in Chief** Ian P. Dow

**Associate Editor** Jeff Edge

**Club Dues**

**IPMS US members:**

\$12 Non-IPMS US members: \$15  
Juniors: \$5

**Web Site:** www.ipmslivonia.org

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by: Ian P. Dow

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Meeting is at 8:00pm at the Pierson Center. It is Bi-Plane Rigging for the Demo this month. If you would like to come at 7:30 and socialize before the meeting then feel free. The room will be open.



Gentleman,

It is the Holiday Season and if you are like me you are probably running in 8 different directions. I am not going to lie, I have had very little time to work on our beloved craft. I am finishing house projects that were started in June and for some strange reason no house faires showed up to finish the job, so I have been back at it. Which makes me angry and anxious because I have a house full of people coming in a couple weeks and family coming to stay. On top of all that the kids want me to put up decorations and I still have to be at work. Stupid job. Sound familiar? Each of us has our own litany of complaints and things we need to do .Instead of embracing the holiday we usually spend sometime dreading the work involved. I don't want to say that to loudly in case Santa hears and does not bring me that kit I so desire. What then is the solution?

Give of yourself. It may seem cliché, but the truth is we always feel much better about ourselves and the holiday season when we give back to others. Most of us, in fact I would bet almost all of us, probably spend more on our friends and family then we should. That's because it feels good to give. Instead of dropping large dollars on things that most likely are not need, why not donate some time doing some charity work. I know I always think I will and I have yet to do it, but that does not mean I don't intend to do it. It need not be anointing the feet of lepers with oil or helping the blind use the restroom. It can be something simple like volunteering at a senior center, or church. Most have organizations that are always looking for volunteers. I think we are living in a time of frustration and apathy. These feelings make you want to throw your hands up and quit, but its at times like these that people need each other more than ever. The more connected you are the more you will see how much we all need each other. Now if volunteering is not your thing then I do have another outlet for you to explore.

This Saturday we will be at the Livonia Public Library doing the Build Day Experience in the atrium. Instead of building at Nankin we will be building at the Library. We will begin at 10:00am and go until about 4:00pm. Bob and I will set up about 9 and make sure we have everything all set and ready to go. This is a way of showing the general public what we do. Is it volunteering? Sort of, we are giving up our time to help educate the public about modeling. Is it the same as washing Jesus robes? No, but it is a way to possibly point some children towards our kids club. Maybe entice someone who use to build back into building, and let people know that there are many ways you can be creative. We will sit, build, answer the publics question and show what we do. Maybe it will give you a warm fuzzy when you see how people react to model building, which might inspire your to reach out to others in your life who might need help with something. I left Bobs comments from last month in so you can reread about the build day this Saturday and there is something in the announcements about it. Now show up early to get a seat because we might run short of table space.

Let your Holiday Season be warm and bright, and don't sweat the little things.

Ian



## Hear Ye, Hear Ye. King Bob Speaketh and all must listen.

### Build Day on the Road

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The upcoming IPMS Livonia display at the Livonia Public Library will be an opportunity for us to show our local community who we are and what we do. While it will take the place of our normal monthly build day at Nankin Hobby, it will also give us a chance to promote our club and recruit possible new members.

The newer members that we've been fortunate enough to gain over the last couple of years, have already proven to be valuable assets to our group. Various degrees of talent and participation in demos and discussions have already been shown by these "rookies", and have been well received by the club "veterans".

I've always been a proponent of "the more-the better", and this just reinforces that idea. I can't help believe that the more members we have, the more ideas, advice, discussions and good times will be shared by everyone in the club.

Not only will the Library patrons be able to witness us "in action", but will also be able to see some of our work on a separate display table. All club members who attend need to bring a few models for display. We need to treat this as a "show and tell", so bring any awards you may have won to display with them.

We'll have our new club banner to hang as well as our club awards on display for all to see. PLEASE don't forget to wear your club colors for this event. I'll have all the details at the November meeting.

See you there,

B.B.

## Salmson 2-A2 / Otsu 1

Reviewed by Rob Baumgartner off the HyperScale web page.



Wingnut Wings, 1/32 scale



**S u m m a r y**

<b>Catalogue Number:</b>	Wingnut Wings Kit No. 32038 - Salmson 2-A2/Otsu 1
<b>Scale:</b>	1/32
<b>Contents and Media:</b>	Eleven sprues of injection moulded grey plastic parts; one sprue of clear plastic; one fret of photo-etch metal detail parts; markings for five aircraft
<b>Price:</b>	<b><u>USD\$99.00 with free shipping worldwide, available online from Wingnut Wings' website.</u></b>
<b>Review Type:</b>	First Look
<b>Advantages:</b>	Outstanding detail; cleverly engineered for ease of assembly; crisp clean mouldings; excellent use of photo-etched parts; comprehensive decal sheet in perfect register with minimal carrier film; an instruction booklet that doubles as reference material.
<b>Disadvantages:</b>	
<b>Conclusion:</b>	The tradition continues with another quality release from Wingnut Wings. The aim of the company is to allow modellers of all skill levels to competently build WWI aircraft. As such, the kit has been designed for ease of assembly and it does so without compromising the high level of detail.



## The Bullsheet

### Introduction

Test flown in April 1917, the rugged Salmson 2-A2 was one of the main reconnaissance aircraft used by the French and American aviation units during 1918. That's not surprising considering that 3200 examples were produced.

Despite being a 2-seater, manoeuvrability was excellent and it also had a good rate of climb. Its speed was adequate but what the crews especially liked were the self-sealing fuel tanks.



Many in the American Expeditionary Force flew their aircraft without any fighter escort, and when deployed aggressively against enemy scouts, some of them even "make ace".

After the Armistice, the Salmson appeared on both sides of the Russian Civil War, and also saw service in Belgium, and Poland. The aircraft found limited use with the Czechoslovak Air Force and even managed to find time as a civilian passenger aircraft.

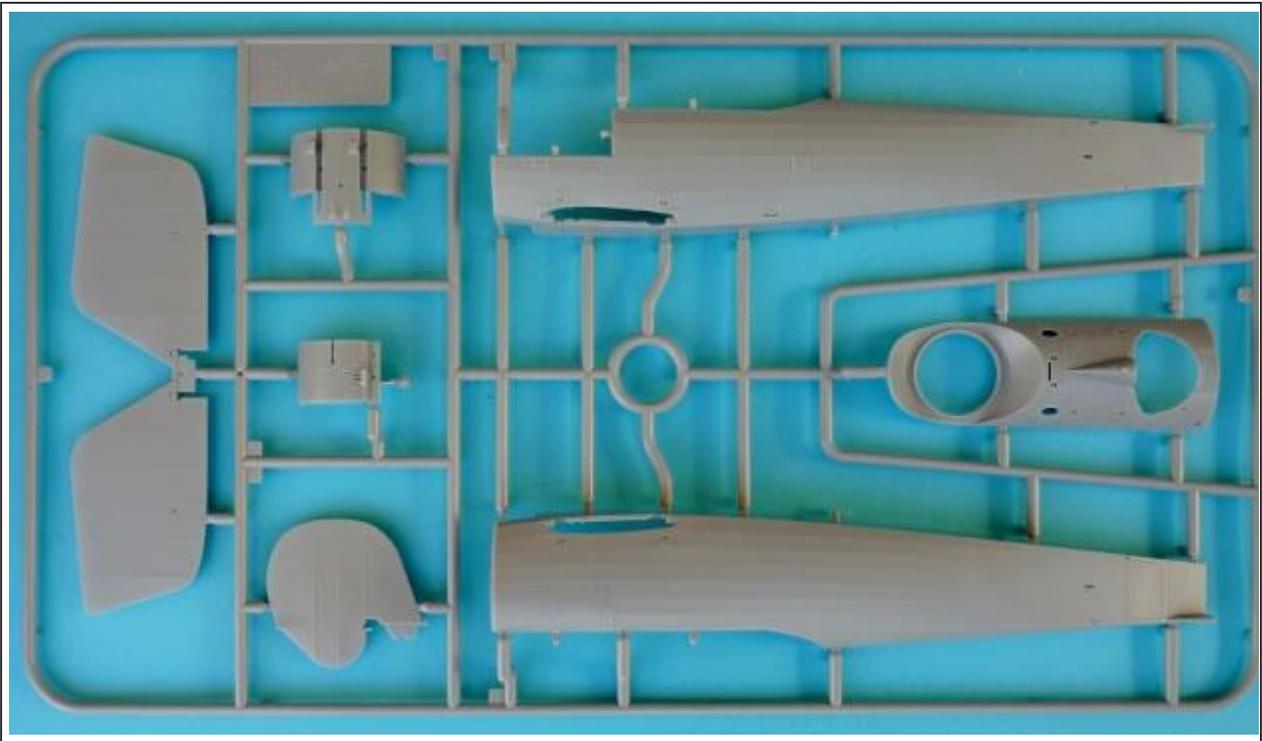
The Type Otsu 1 Reconnaissance Aircraft was a version built by the Tokyo Artillery Arsenal Factory and Kawasaki Shipworks, with about 600 being manufactured between the two companies.



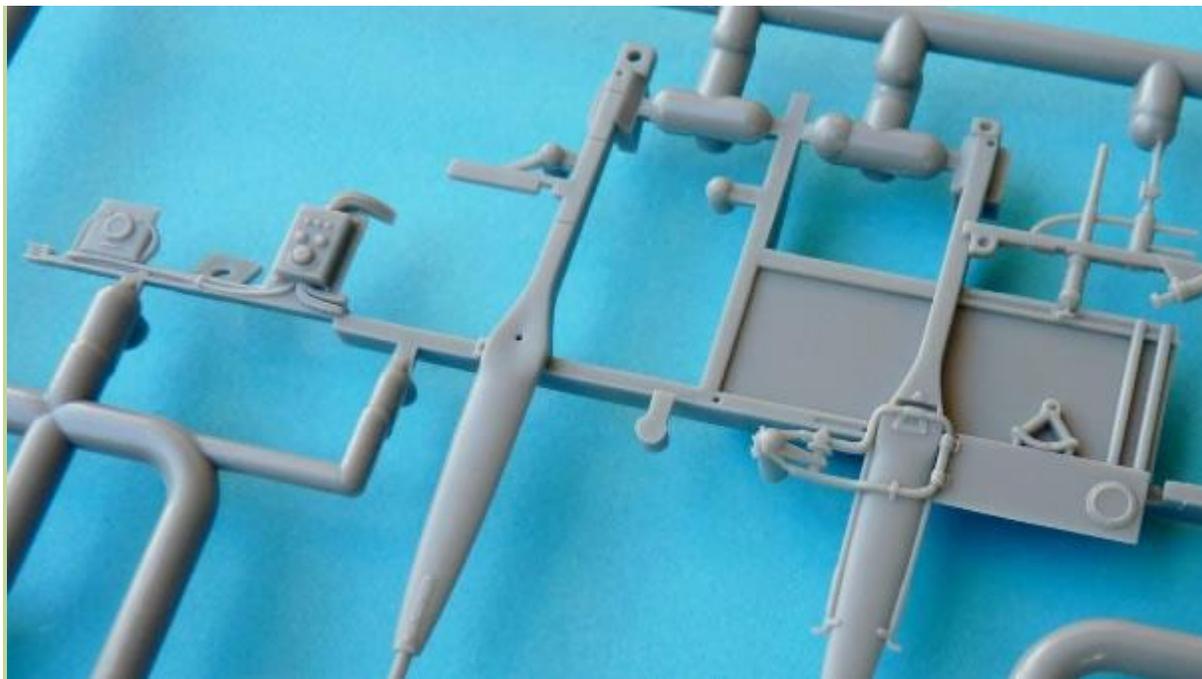
### First Look

Two versions of the Salmson are available from Wingnut Wings. Essentially the contents are same in each box with the only difference being the decals. That's because all of the optional parts are found on the common sprues.

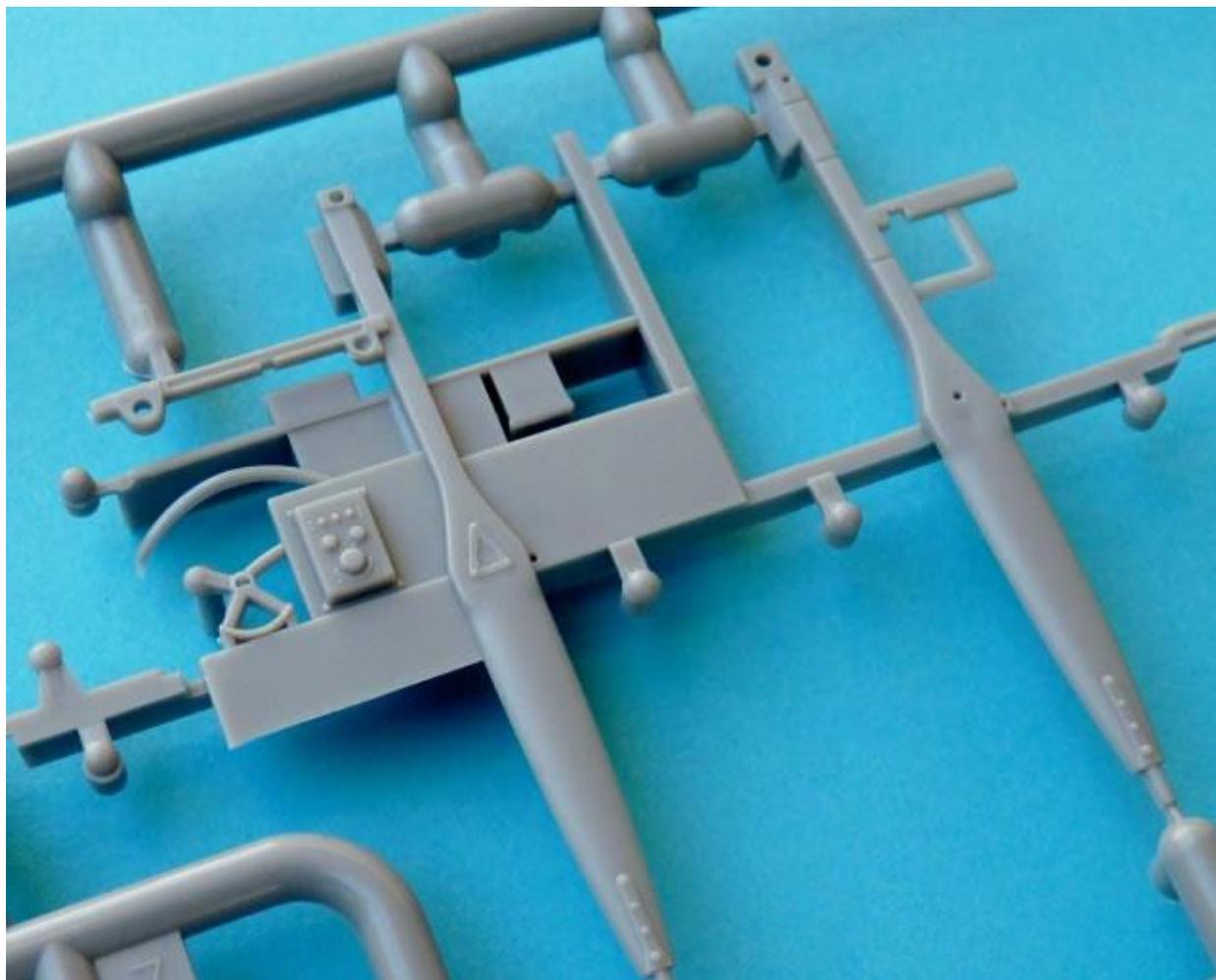
Inside the box are over 160 plastic parts, a fret of photo- etched items and a decal sheet for 5 aircraft.



The parts count is quite modest considering the size of this 2-seater. That's due to some clever engineering where a huge amount of detail has been incorporated into single items. This is most obvious in the interior where many of the fittings and piping are incorporated into the framework.



The same holds true for the central struts. These wooden uprights are especially important. The positive location of the internal parts inside the fuselage halves guarantees a foolproof platform for aligning the top wing.



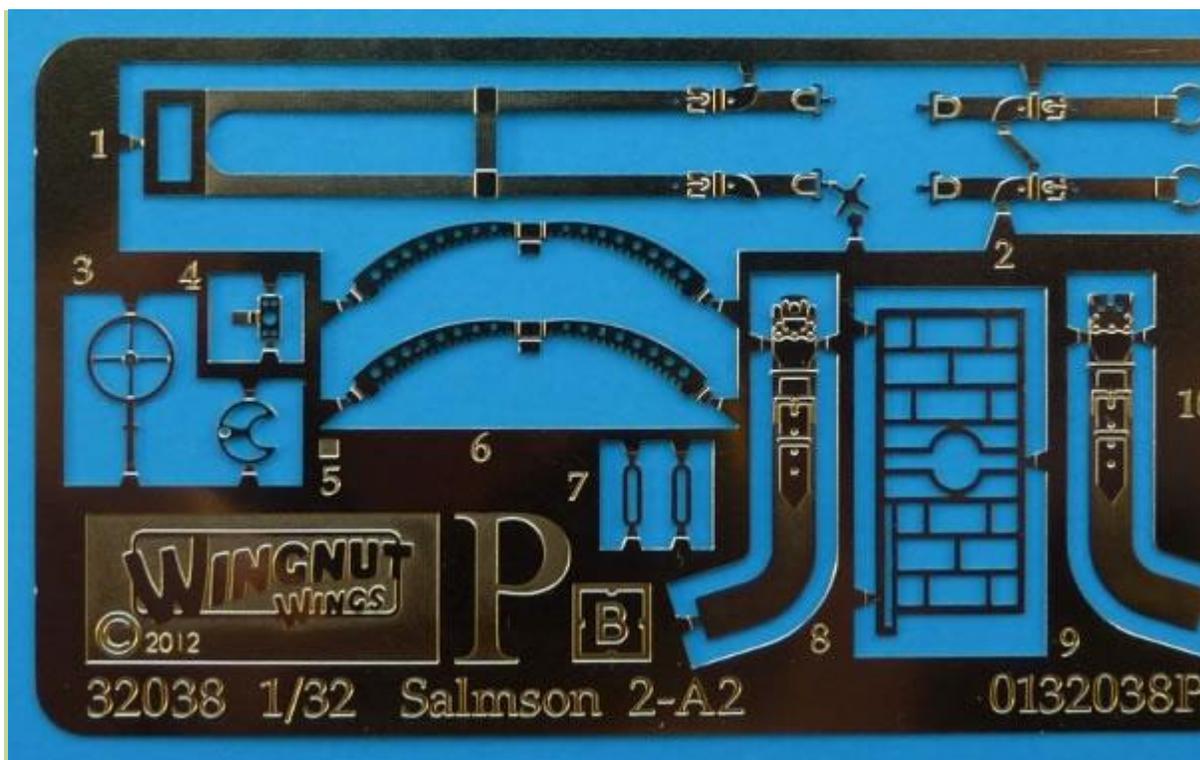
Depending on the option chosen, nearly 40 parts can contribute to the interior. Where necessary, certain items are “keyed” thus ensuring they can only be installed one way. A dry-fitting of all the various sub-assemblies revealed no issues whatsoever. Everything is well moulded with no blemishes or sink marks to be seen on the finished model.

Apart from the usual suspects such as seat, control column, and rudder bar, there are the self-sealing fuel tanks, antenna reel, wireless set, battery, and signal lamp to add. Other notable embellishments are the pump, generator, pulsameter, compass, radiator shutter levers, photographic plate box, fuel and oil levers, trim wheel and camera.

## The Bullsheet

This 50cm camera turned out to be quite problematical as there are some difficult seams to eliminate after joining parts A8 and A9. They did not line up properly due to the uneven mating surfaces. I elected to remove the alignment pins and sand the surfaces to a more uniform finish before gluing. Don't remove the balls from parts A8 and A9 as these are not the necessary overflow recesses found elsewhere from the moulding process.

Seatbelts come from the photo-etched fret and this material is also used to detail the Vickers machine gun and elevation mechanism on the TO-2 Tourelle (Scarff ring).

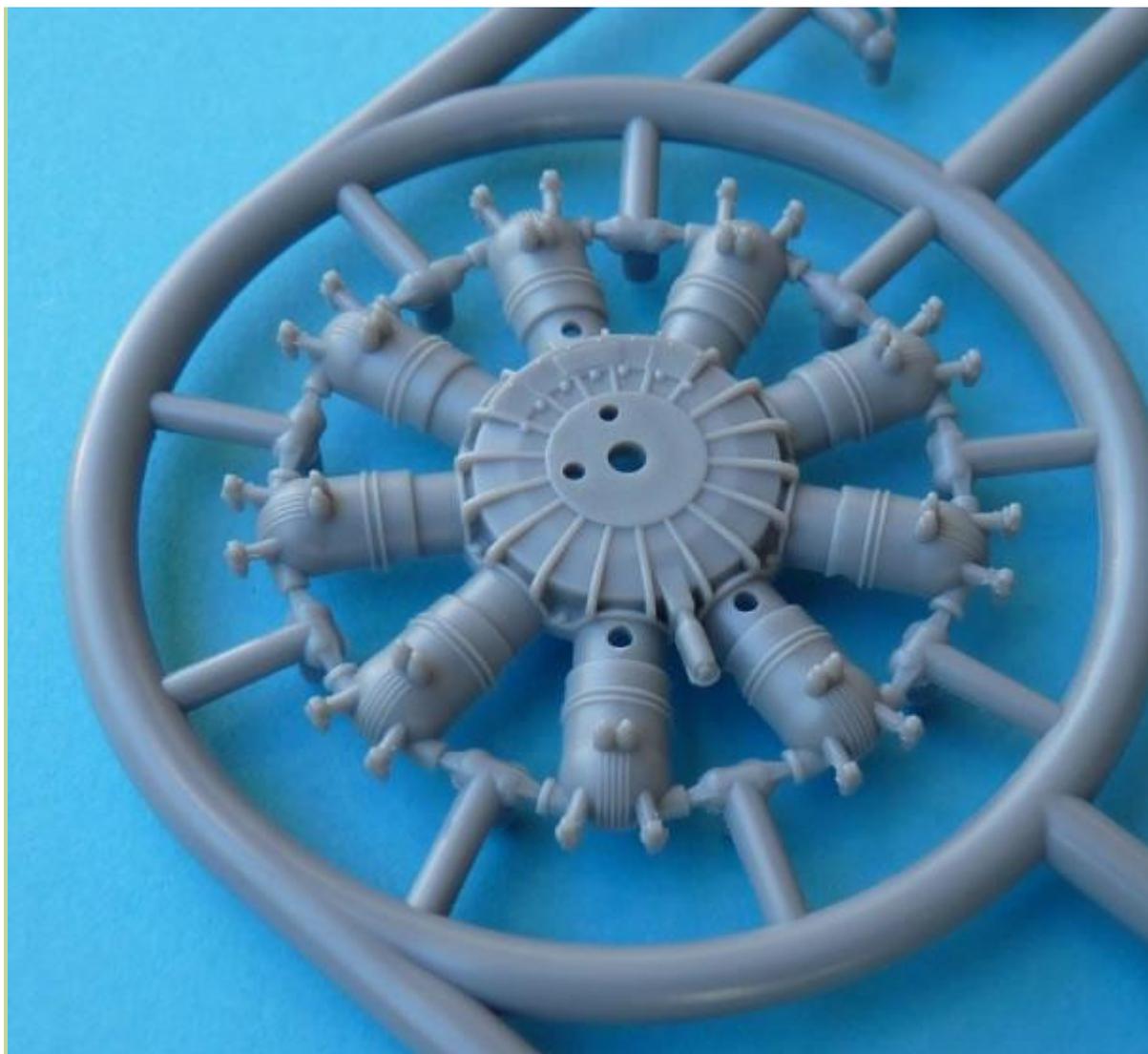


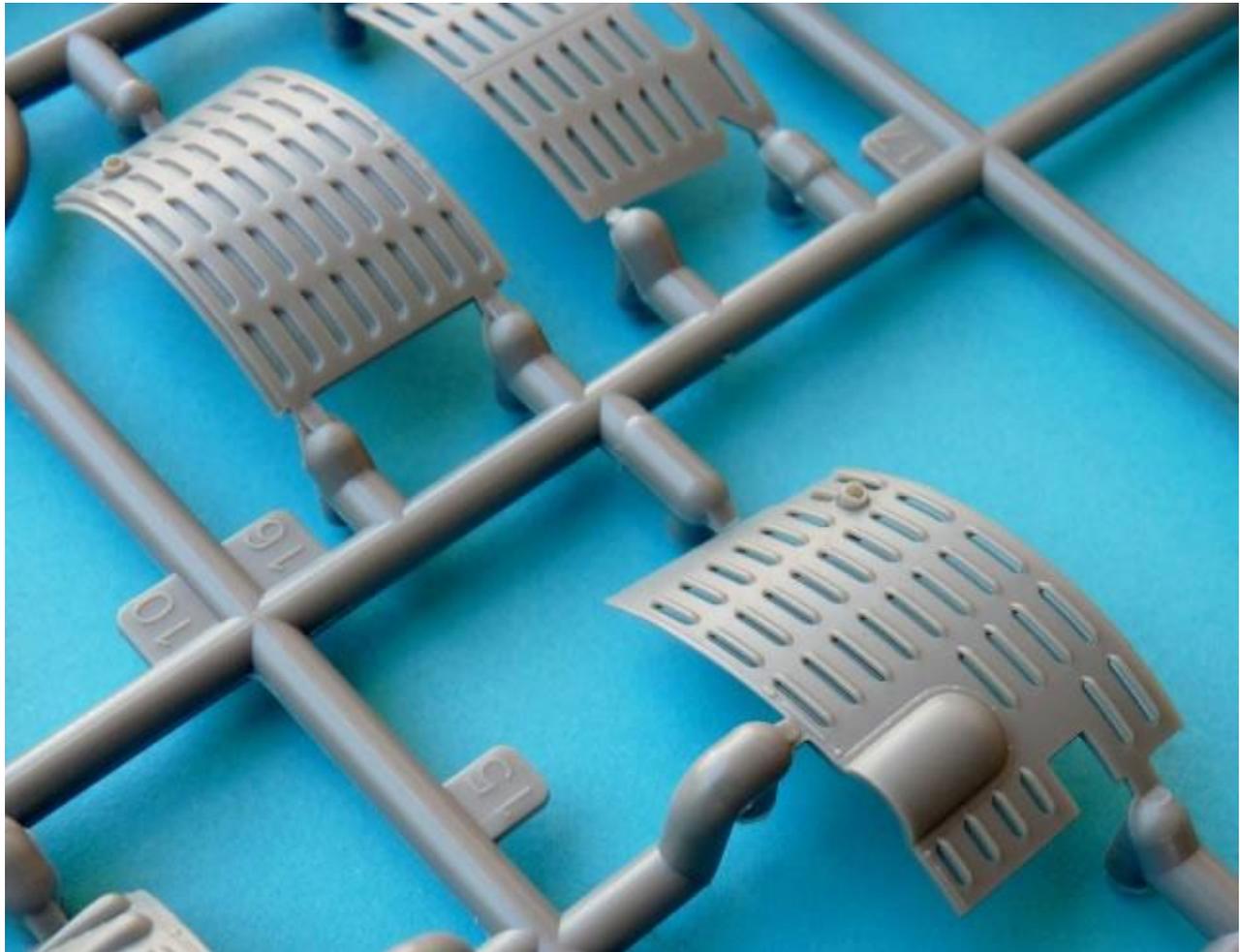
The layout of the internal bracing and control wires is quite involved so take care to study the supplied drawings carefully. This all makes for a very busy “office”.

In this scale, the instrument panel is a very obvious feature. To make this area as realistic as possible, decals are used for the placards and instrument faces. These were in perfect register and settled well on the assorted contours with a little setting.

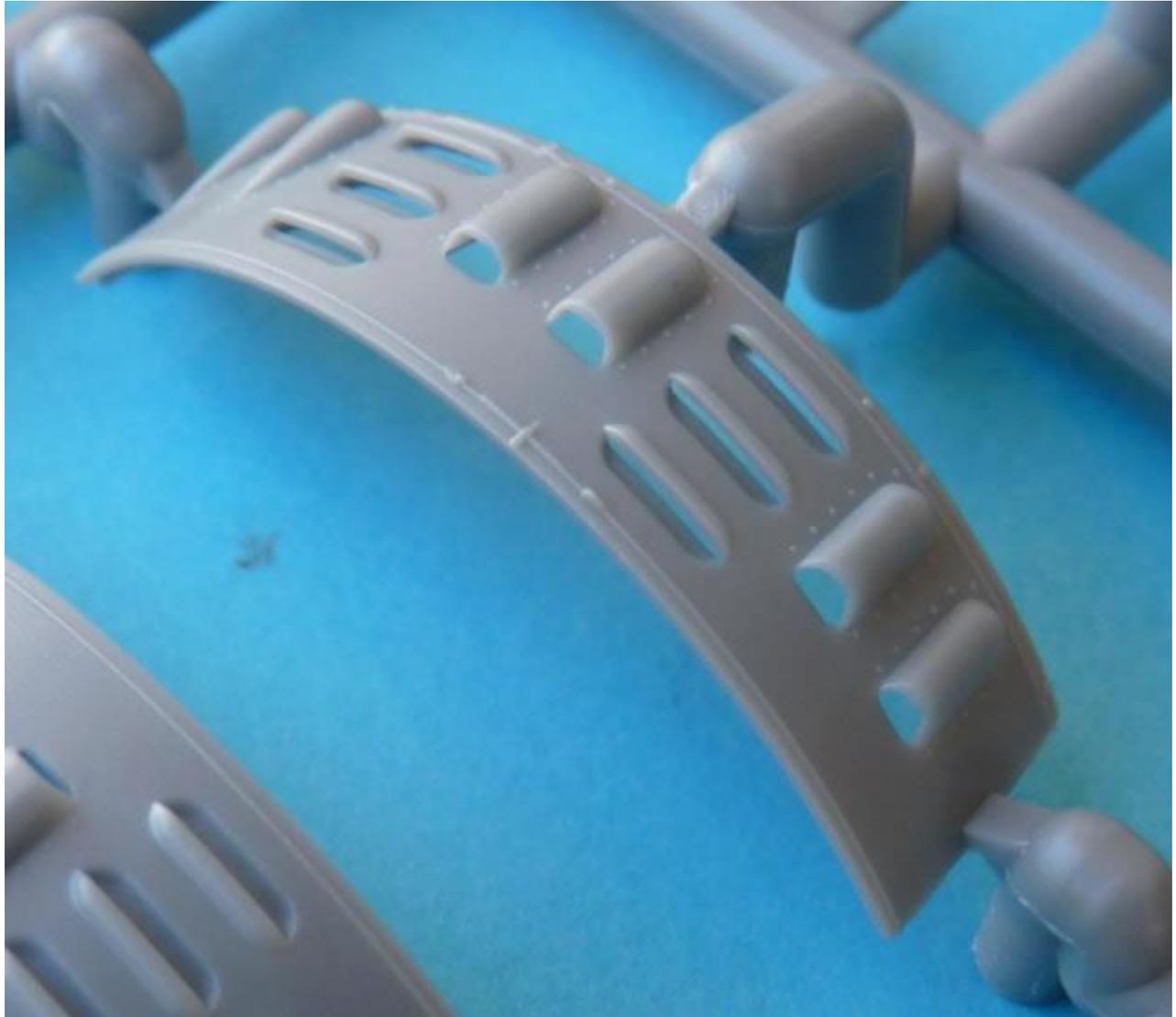
## The Bullsheet

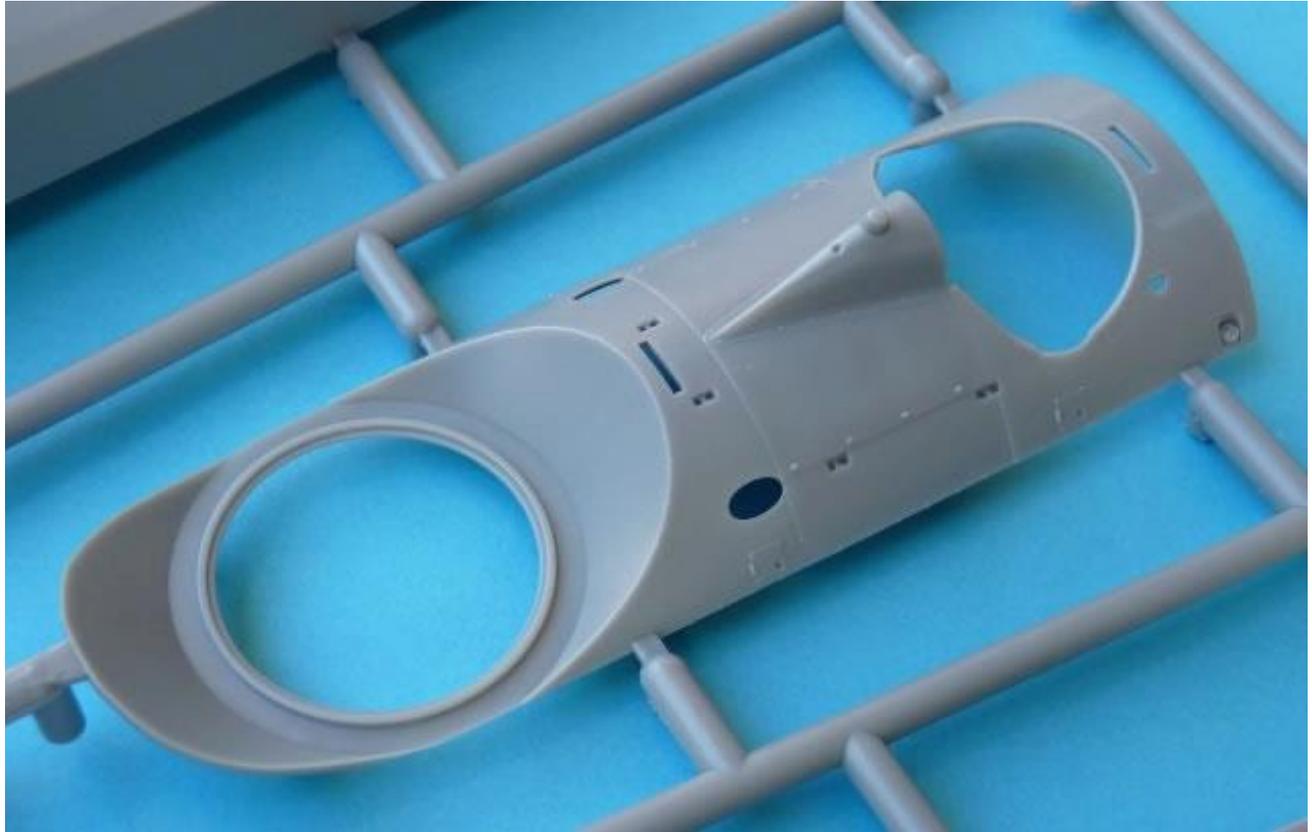
The 260hp Salmson 9z engine is a lovely kit in itself. All of the cylinders, push rods, intake pipes and magnetos fit perfectly into their required positions. Of course it's all for nothing if you decide to enclose it all with the external metal panels!





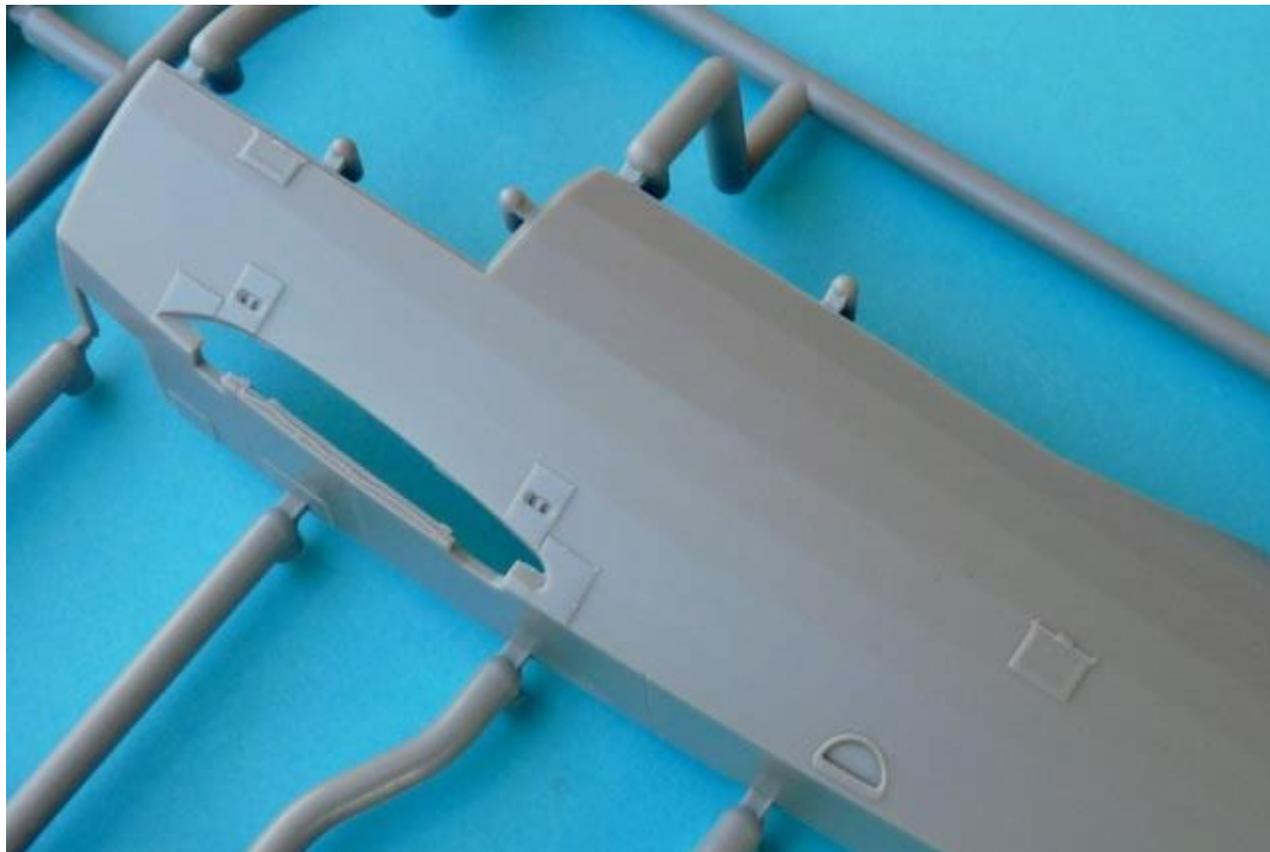
Speaking of these panels, the various vents are not just indentations. They are actual openings that penetrate completely through the part.



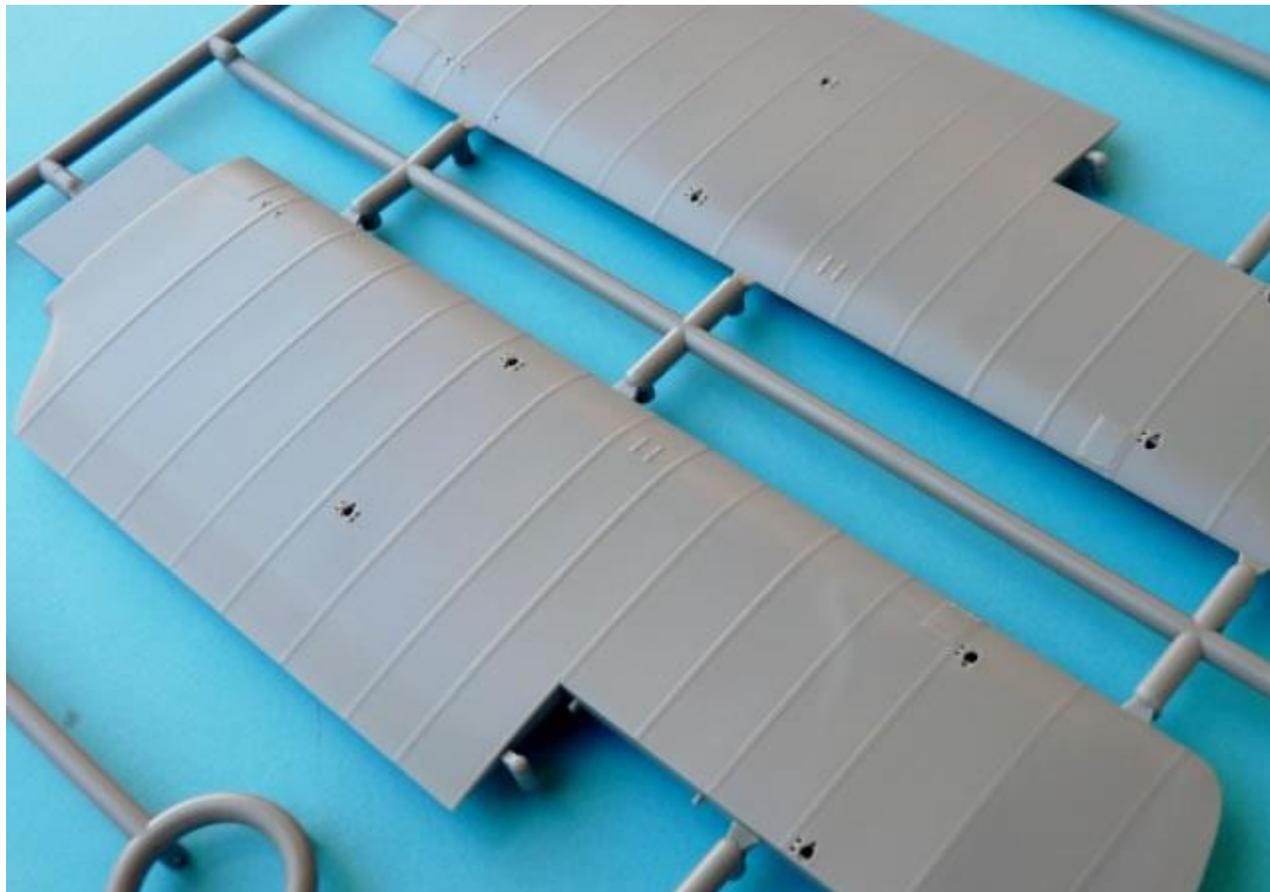


Once the fuselage halves are together it's time to add the cockpit coaming. It's a clever piece of moulding and the design ensures a better fit than would have been the case with multiple parts. The only compromise is that the sprue gate falls close to a couple of rivets that will have to be replaced after the clean-up process.





The external stringer detail is consistent along the length of the fuselage and the position of the surface joints will ensure that none of this important detail is lost.

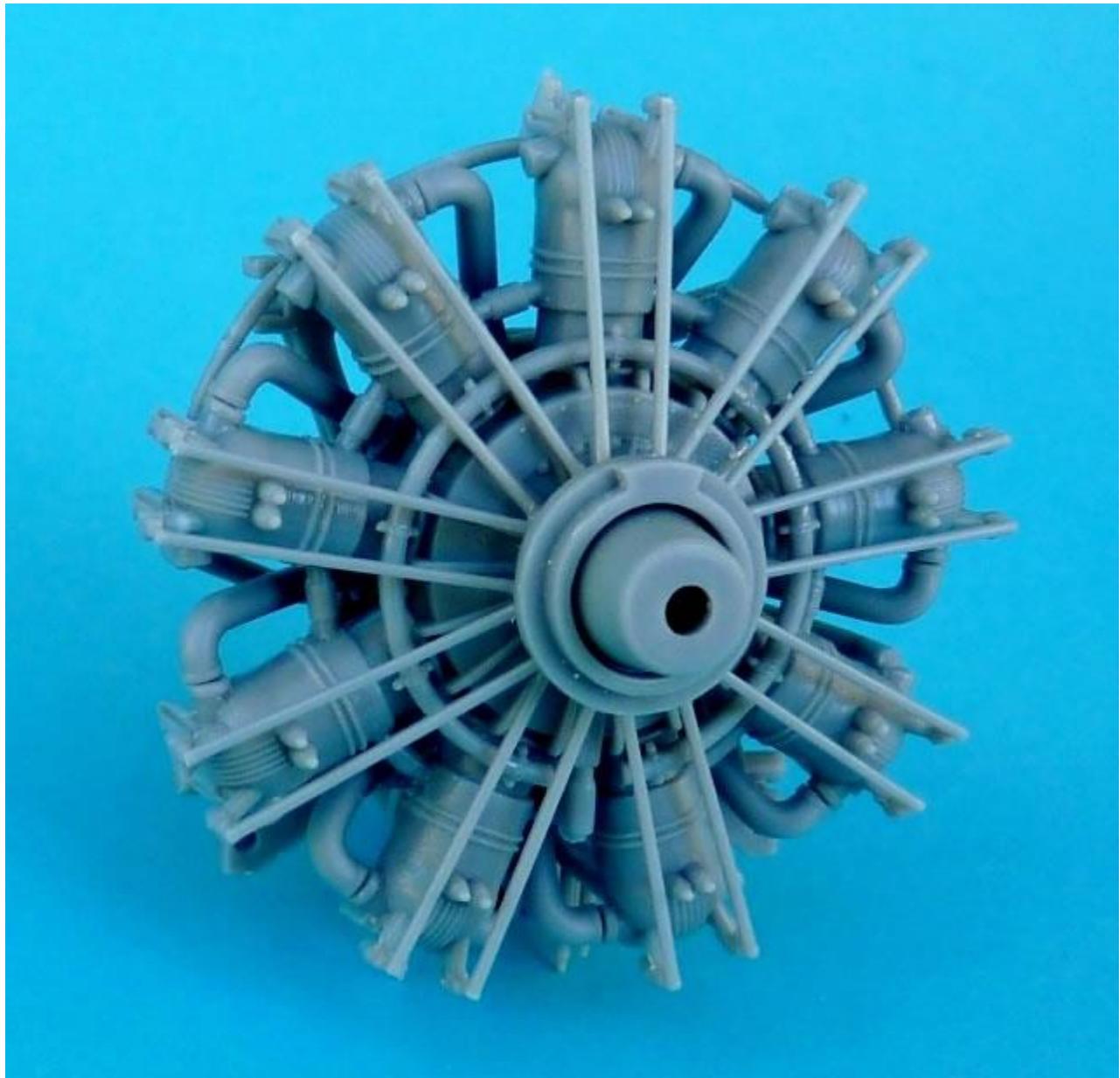


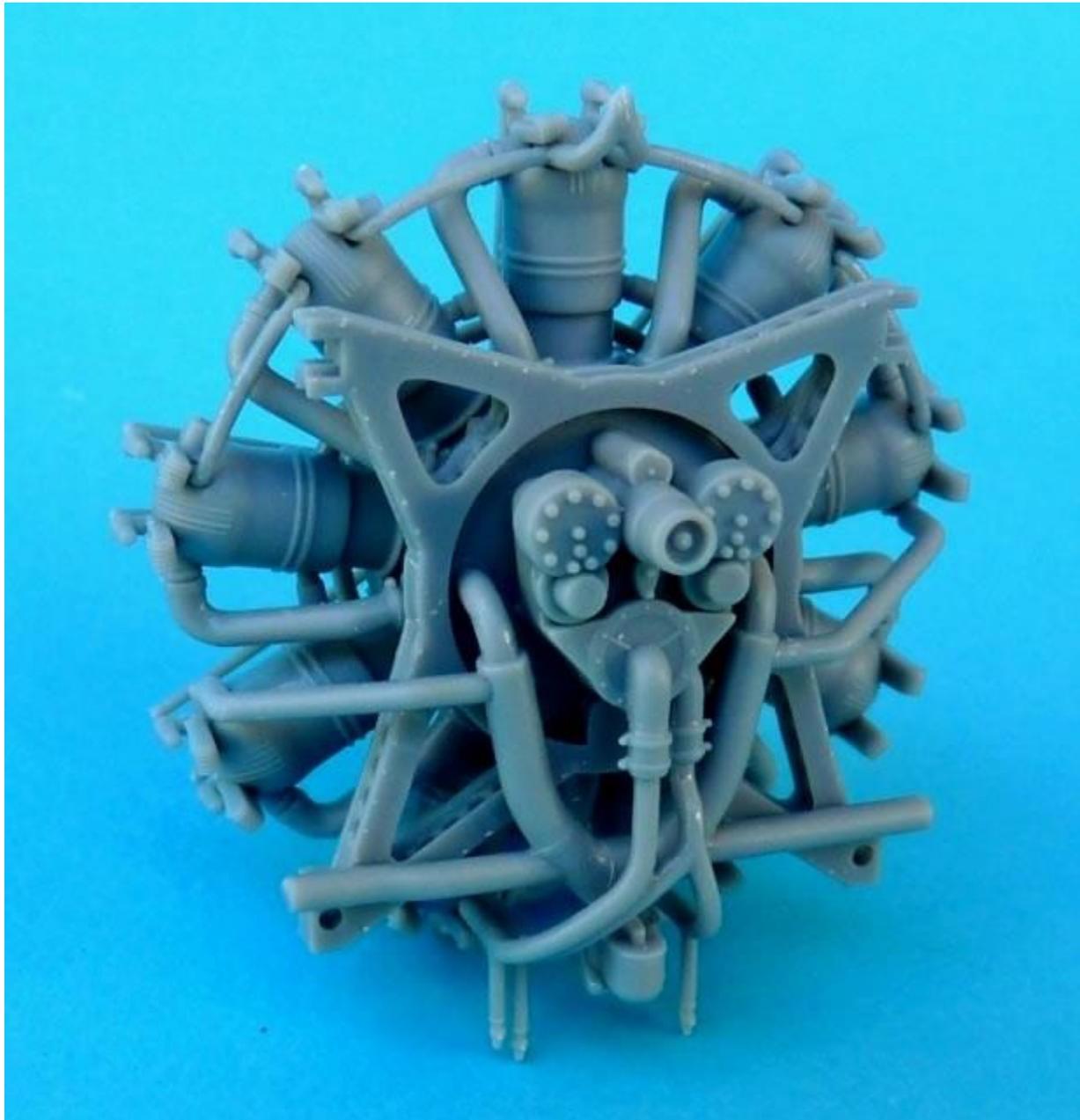
The large wings are well moulded with no blemishes whatsoever. They need plenty of support and thus receive large tabs to maintain their correct dihedral. The trailing edges are sharp and the rib detail is sublime.

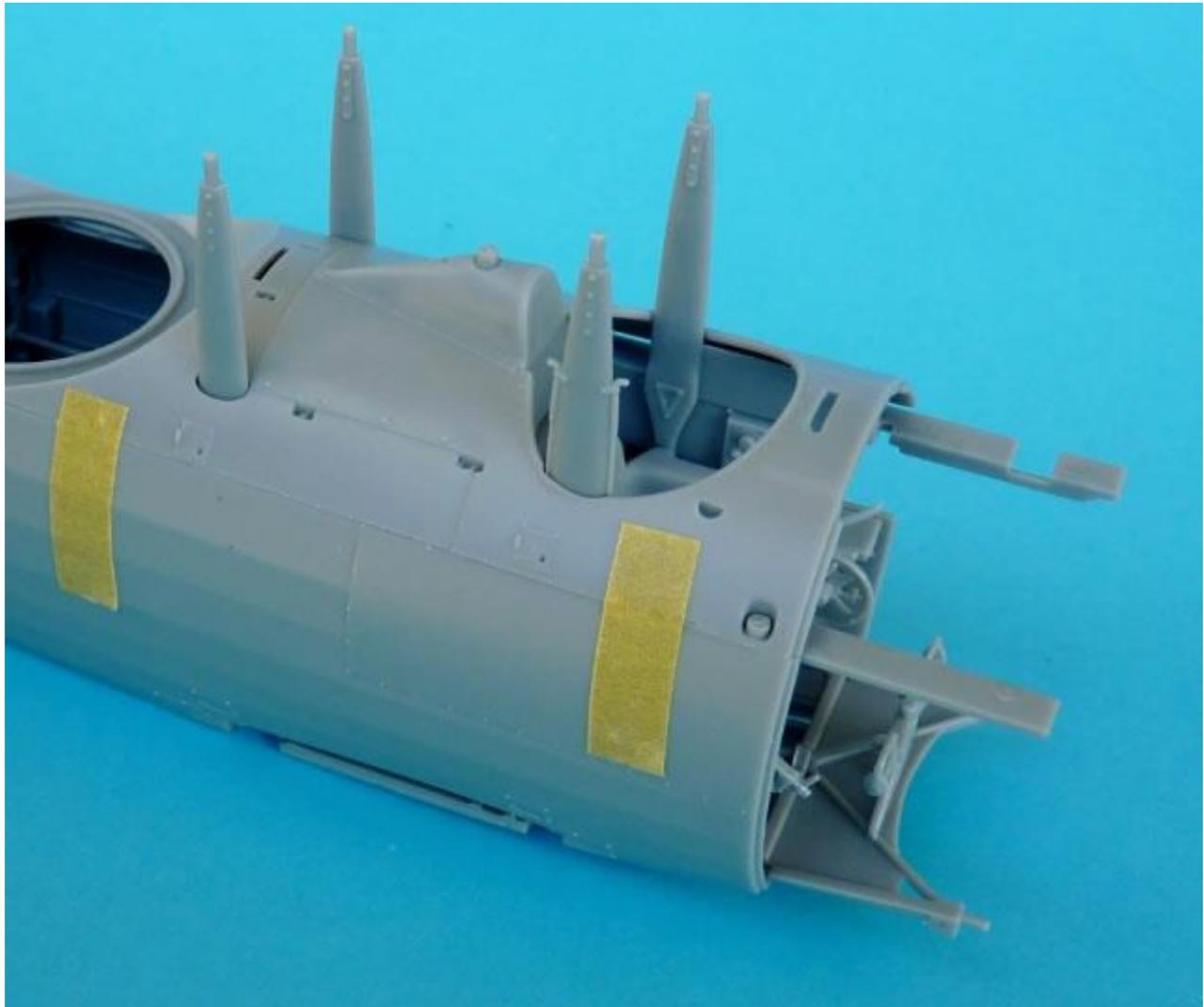
One again, a complex rigging diagram is supplied for the external wires. Make sure you don't forget to add the wireless connections running up the cabane struts.

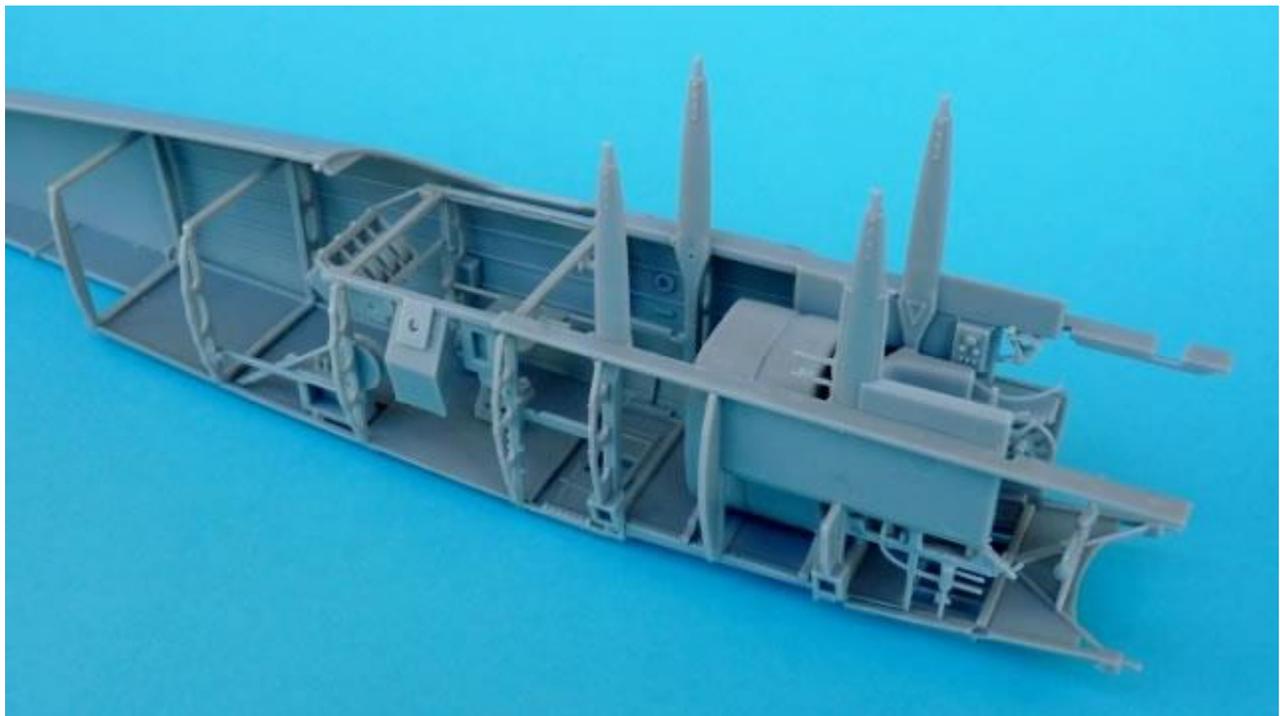
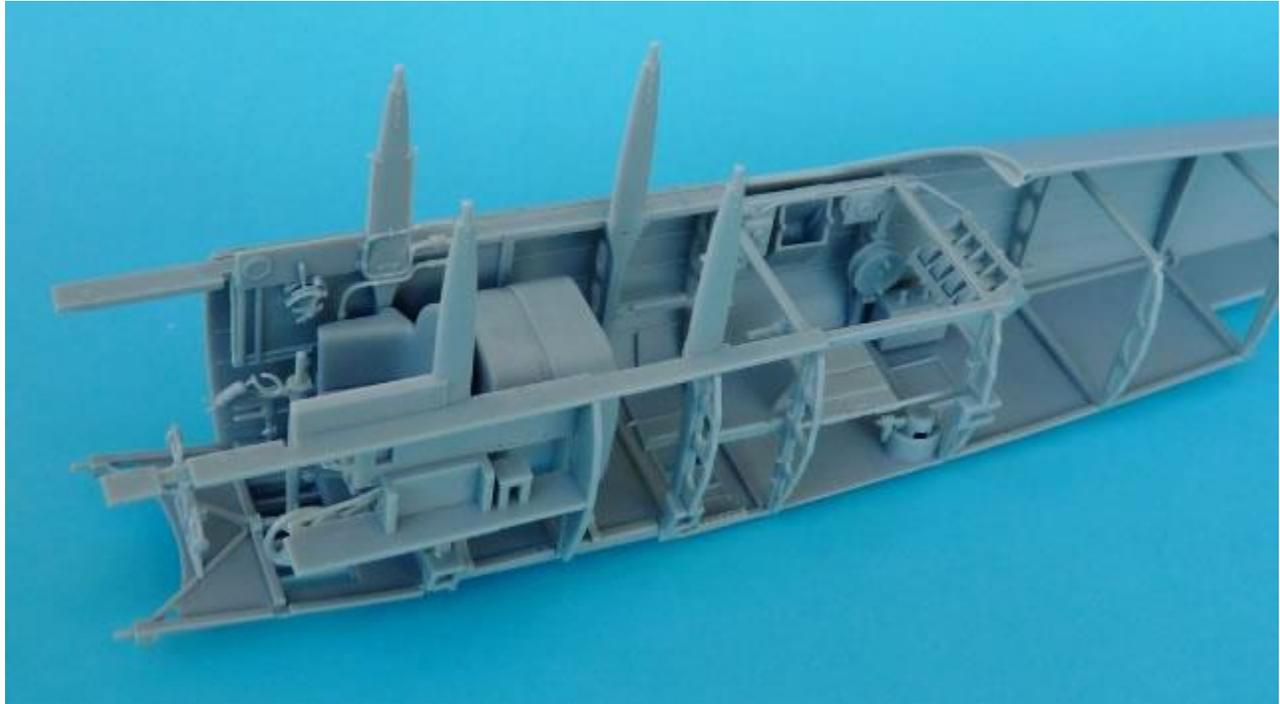
As well as assembly instructions, the 26 page instruction book contains plenty of period photographs. These are not only of the complete airframe, but include close-ups that are related to the construction sequence.

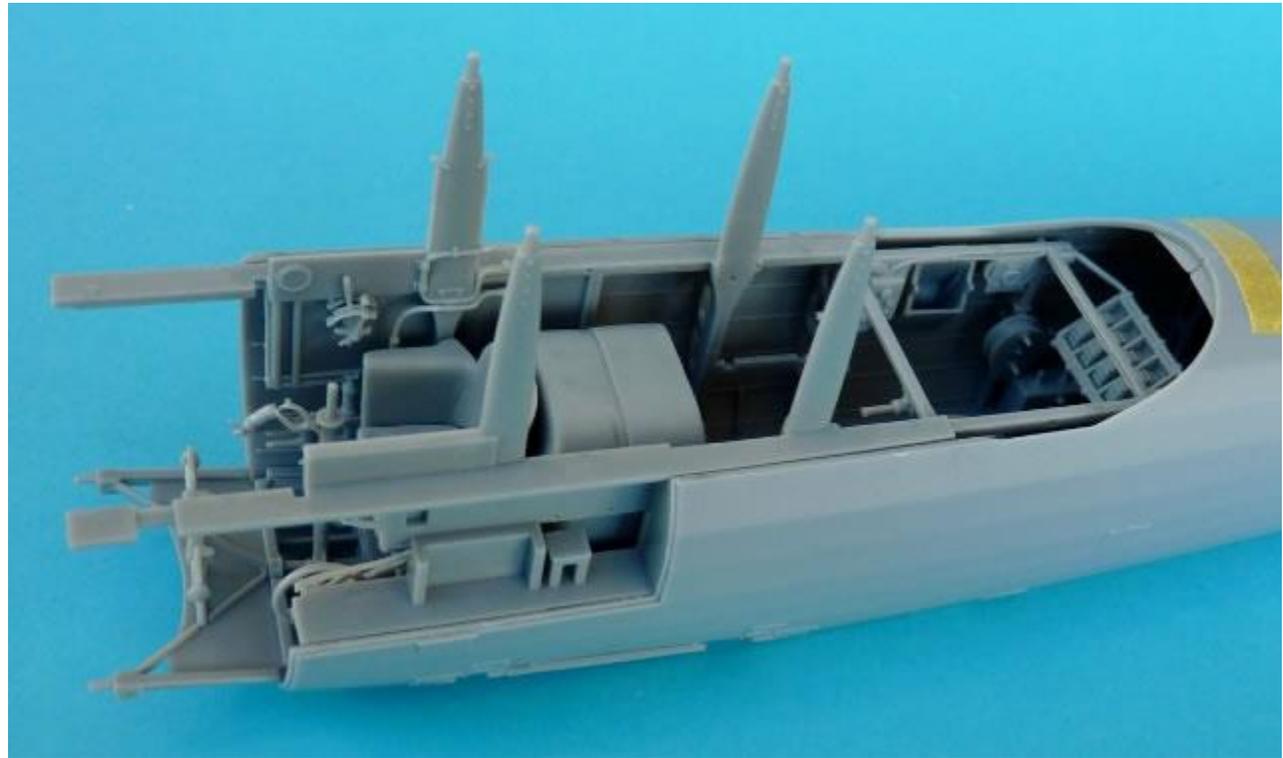
## Dry-Fitting













### Marking Options

The usual 5 options are catered for on the well-appointed decal sheet.



The aforementioned instrument dials are superbly printed as are the placards and propeller logos. There's even a nice little map for the pilot. Everything was in register and each item is surrounded by a minimum of carrier film.

## The Bullsheet

### Conclusion

Despite the large numbers produced, the Salmson has not been a popular aircraft with kit manufacturers.

Thankfully we now have one in 1:32 scale and it just oozes quality. The mouldings are clean and crisp and exhibit a very high level of detail. A dry fit of the various sub-assemblies reveals no problems at all with very little, if any, filler needed. It's perfect to build straight out of the box or can be the ideal basis for a more involved project.

With Wingnut Wings, one never knows what's around the corner. Having done the Salmson A-2A, surely the logical follow up would be a Breguet 14. Now wouldn't that be something...





1. [Link to stop action build review.](#)

<https://www.youtube.com/watch?v=pRh3P-QOLT0>.

2. [How to Rig Bi-Planes](#)

[http://www.austinsms.org/article\\_seaman.php](http://www.austinsms.org/article_seaman.php).

3. [Bi-Plane Accessories.](#)

<http://www.gaspachmodels.com/>.



## Announcements – Please Read

1. The upcoming build day this weekend, the 9<sup>th</sup> of December, will be held at the Livonia Public Library in the Atrium. It will be from 10-4. The club will buy pizza for lunch and we will sit and do our club building in front of the public. Answering questions, displaying our work and generally doing what we do best. The Library is located at 32777 Five Mile Road.

2. The focus on this months discussion is Rigging Bi-Planes. I have put a WingNut Wings kit in for review and have included a couple external links for a build of the kit itself in stop motion and a how-to on rigging. All of this is helpful if you are interested in Bi-Planes.

3. We are starting at a new time. The meeting will be at 8:00pm as usual but starting at 7:30 there will be a half hour of socializing before the meeting. Talk to other club members, look at their modeling work, peruse their magazines or make small talk. It's the same concept as letting little kids run around for a half hour before schools starts. That way they can settle down and concentrate. Modelers are the same way.



## Upcoming IPMS Livonia Events

### IPMS Livonia 2017 Calendar

Dec 12th- "Rigging for Bi-Planes"



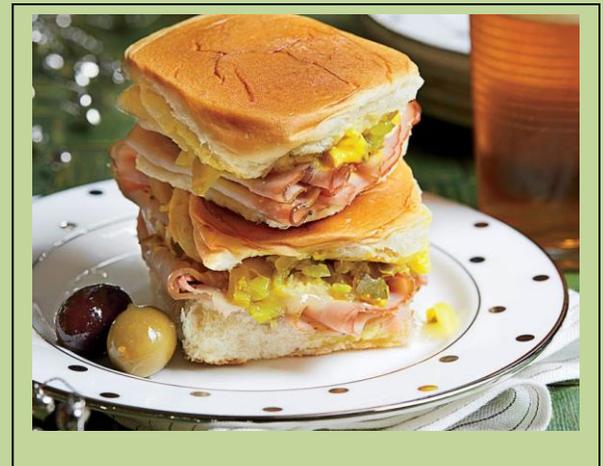
## Mess Hall

By Grunty the Magic Pig

### CUBAN SLIDERS

#### INGREDIENTS:

1/4 CUP OLIVE OIL  
1 (12-OZ.) PACKAGE HAWAIIAN SWEET DINNER ROLLS  
4 OUNCES THINLY SLICED DELI HAM  
4 OUNCES THINLY SLICED DELI-ROASTED PORK  
6 (1-OZ.) SWISS CHEESE SLICES  
1/2 CUP CHOPPED DILL PICKLE CHIPS 3 TABLESPOONS  
YELLOW MUSTARD



#### DIRECTIONS:

##### Step 1

*Preheat oven to 400°. Spread olive oil in a jelly-roll pan; place pan in oven to heat.*

##### Step 2

*Remove rolls from package. (Do not separate rolls.) Cut rolls in half horizontally, creating 1 top and 1 bottom. Layer ham, pork, and Swiss cheese on bottom half. Spread chopped pickles over cheese. Spread mustard on cut side of top half of rolls, and place, cut side down, on bottom half to make a large sandwich.*

##### Step 3

*Remove jelly-roll pan from oven, and carefully transfer sandwich to hot pan. Place a cast-iron skillet or griddle directly on rolls.*

##### Step 4

*Bake at 400° for 15 minutes or until cheese melts and bread is crisp. Remove from oven; cool 5 minutes. Cut into 12 sliders, and serve immediately.*