



# SCALE-MAIL

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## NEXT MEETING

# FEBRUARY

7.30pm  
Tuesday 16<sup>th</sup> February  
Leys Institute (upstairs)  
20 Saint Marys Road  
Ponsonby

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### COMMITTEE

Chairman - Mark Robson	Craig Sargent
Secretary - John Swarbrick	Lance Whitford
Treasurer - Colin Smith	Henry Ludlam
	Peter Mossong

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FACEBOOK:  
[Link from the IPMS Auckland Website](#)

## THE CHAIRMAN'S BIT

Hi everyone,

### February Meeting Theme

Using paint masks for insignia and codes as well as special markings

When using decals we are always aiming for that "painted on" look, but nothing looks like "painted on" better than actual paint! Some of our members have been using paint masks for a while. An esteemed former National Champion and club member whom some of you will remember (Bevan Davidson) was the first person I personally knew who used these, and at the time he made his own.

Brett Sharman has become an enthusiastic expert at this technique and has kindly consented to give his time and expertise again to show us how it is done. We are grateful to Brett for once again sharing his techniques. Of course, anyone else is welcome to contribute as well.

### Build The Same Kit 2016

This year the committee has decided to return to the tried and true for BSK and pick one single kit for the competition. We are thinking something a little outside the subject matter that most of us build so I am heading to Bringans on Monday to find something that is cheap, fun, easy to build and available in sufficient quantities. I will have the kits there at the meeting so bring some cash or they will be available at Modelair. We all love surprises right??

Cheers

Mark

# BULLETIN BOARD

## EVENTS THIS MONTH & FEBRUARY CLUB NIGHT NOTES

### **Disturbing News Regarding Hornby Hobbies (owners of Airfix)**

Most of us will be aware of the fantastic renaissance that Airfix has undergone over the last few years under the ownership of Hornby Hobbies.

However in the last few days the modelling media AND the mainstream business news on the BBC and in the British papers is reporting that Hornby have issued a serious financial warning that has seen their share price tumble. Despite raising 15 million pounds in capital last year from shareholders, the company is in danger of breaching their banking covenants which determine how much they can borrow. This means that there is a risk that the banks will call in their loans and scupper the company.

No-one outside the management team seems to know what has gone wrong. There is speculation that a problematic software change has caused huge problems, and as a retailer I can tell you that their distribution seems awry; we only got about half of the Whitleys and Shackletons that we ordered at Modelair and none of the new C-47 and big Mosquito kits.

Airfix may well be as profitable as their slew of excellent new releases recently would suggest, but we don't know from this far away.

It would be a great shame to see this dynamic new Airfix brand cut off at the knees, or sold to less sympathetic owners. Without wanting to sound like I am advertising, it might be a good time to buy those Airfix kits you are after (from anywhere in the world) to see if by thousands of small actions we can help Hornby avert a catastrophe.

### **50th Anniversary of IPMS New Zealand!**

As indicated last year this is the 50th anniversary of the founding of IPMS New Zealand. The committee will be discussing what we can do to celebrate this milestone over the course of this year, and if anyone knows the contact details of some of our esteemed former members and officers who might be persuaded to come out for a night then please let me know. I am particularly keen to contact the aforementioned Bevan Davidison and also Paul Tibbutts.

### **Rescue from the Shelf of DOOM, Version 2.0**

The February meeting is your last chance to bring in your entry to this calendar-year competition. There was a good crop of entries last month, let's really dig deep into the cupboards and cabinets to bring out a model that really deserves to take its place on the finish line.

Cheers  
Mark

# BULLETIN BOARD

## CLUB SUPPORT

The following retailers have kindly agreed to offer IPMS Auckland club members a discount on their purchases upon presentation of their current IPMS Auckland Membership card.

The discount only applies on selected product lines and remains at the discretion of the retailer.

### ModelAir

12 Kent St Newmarket  
Auckland  
p: 09 520 1236  
10% on kits

### Stoker Models

Cnr Market Rd & Gt South Rd  
Auckland  
p: 09 520 1737  
10% on kits and modelling supplies

### Avetek Limited

Gwyn and Christina Avenell  
28 Lauren Grove, RD 2, Papakura,  
Auckland 2582, New Zealand.  
p: +64 (09) 298 4819,  
m: +64 (0)27 343 2290  
e: aveteknz@gmail.com  
www.avetek.co.nz  
New Zealand Master Agents for:  
Auszac ECO Balsa • Bob Smith Industries  
- Cyanoacrylates and Epoxies • Airsail  
International Kitsets

### TOYWORLD

Toyworld Henderson  
56 Railside Rd, Henderson  
Toyworld Westgate  
1 Fernhill Dve, Westgate

15% Off the normal retail price on:  
- All models and modeling accessories  
- All Hornby  
- All Siku  
- All Schleich & Collecta figures and accessories  
- All Meccano  
- Lego (Excludes Lego Mindstorm's they will be 10% if available as most have already been preordered)

(Note: not in conjunction with any other promotion)

### Capital Books

110 Featherston Street  
Wellington  
<http://www.capitalbooks.co.nz>

10% off most items on presentation of IPMS Auckland Membership Card. CB has a list of current IPMS Auckland members for internet purchases.

### Merv Smith Hobbies

27 Davis Crescent  
Newmarket  
Auckland

10% off most items on presentation of IPMS Auckland Membership Card.



**Stoker  
MODELS**



Avetek Limited

# BULLETIN BOARD

## NEW MEMBERS AND SUBS \*\*\*\*\* 2016/17 DUE \*\*\*\*\*

Subs for 2016/17 due soon - see below for club account details or see the club secretary at the next club meeting.

### Annual Membership Fees

Membership Type	Description	Cost
Full	Living in the Auckland metropolitan area	NZ\$45
Out Of Town	Living 75km or more from central Auckland	NZ\$30
Junior	Same rights as full membership for those under 16	NZ\$25

IPMS BANK ACCOUNT NUMBER

03 0162 0012960 00

Please add your details so we know who has paid.



## EVENTS

### CLUB NIGHT EVENTS

**February 16th 2016** - IPMS Auckland Club Night

**March 15th 2016** - IPMS Auckland Club Night

**April 15th 2016** - IPMS Auckland Club Night

# Hasegawa 1/48 AV-8B Harrier II+ VMA-231, US Marine Corps, Iraq 2011

by Craig Sargent



Above: Hasegawa box top depicting the actual aircraft that was the subject of the build.

## INTRODUCTION

Anyone who knows my modelling predilections will know that Hasegawa's family of AV-8B Harriers in 1/48 is one of my favourite kits. Having lost count of the number I have built, and partially built, over the years, I decided I should document one for anyone with an interest in the type.

Rather than write a wordy essay on the build and paint for this jet, I decided to try something different and present a photographic chronology of the kit. Technically this was a sort of Shelf of Doom type build as this model was actually started in 1997 when the Harrier kit was first released by Hasegawa, and finally finished it in 2012, making this a 15 year build.

The Hasegawa release will be 20 years old next year, but still holds up well against current toolings. However, like ALL models, it is not without its foibles, pitfalls and shortcomings.

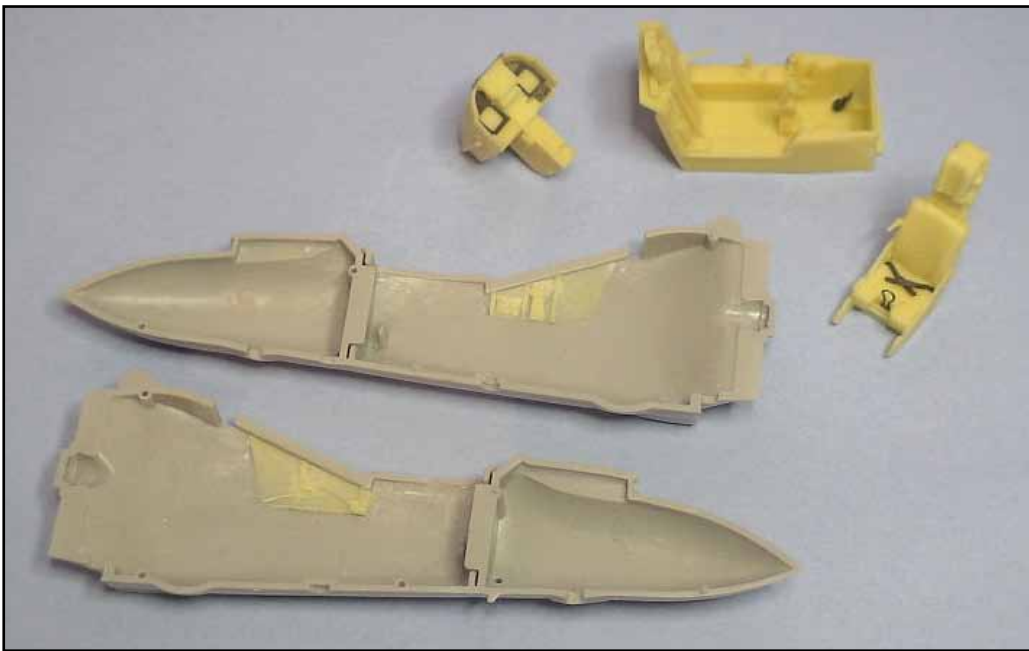
When Hasegawa finally released the kit in the new dark grey low-viz scheme recently adopted by the US Marine Corps, their choice of markings just happened to be the jet I was wanting to build, so I cracked the box and got stuck in.

To the build I added:

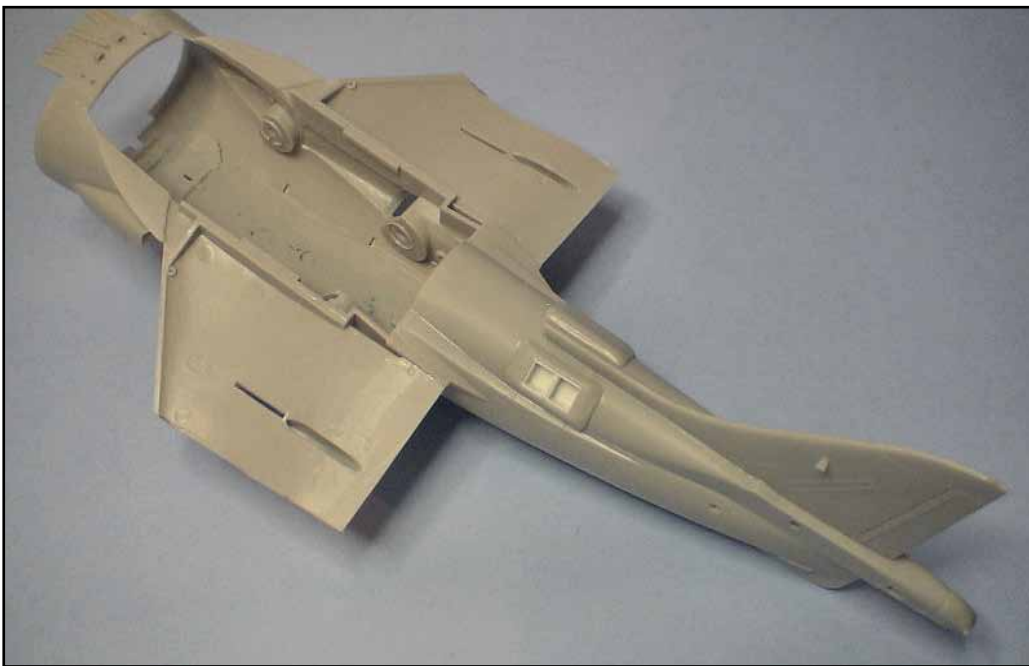
- Master Models aluminium NATO refuelling probe
- Aires cockpit set
- Paveway and JDAM guided bombs from a Hasegawa weapons set

So onto the pictures...





01 Aires components (cream resin and dark grey photoetch) added to kit parts. These first photos with the grey background date to 1997 after which the kit went back in its box until Hasegawa released the limited edition boxing in 2011.



02 Basic construction, as well as outboard wings removed to reduce the wing kink inherent in the Hasegawa kit. I have also scratchbuilt the empty chaff/flare dispenser housing on the port side of the rear fuselage.



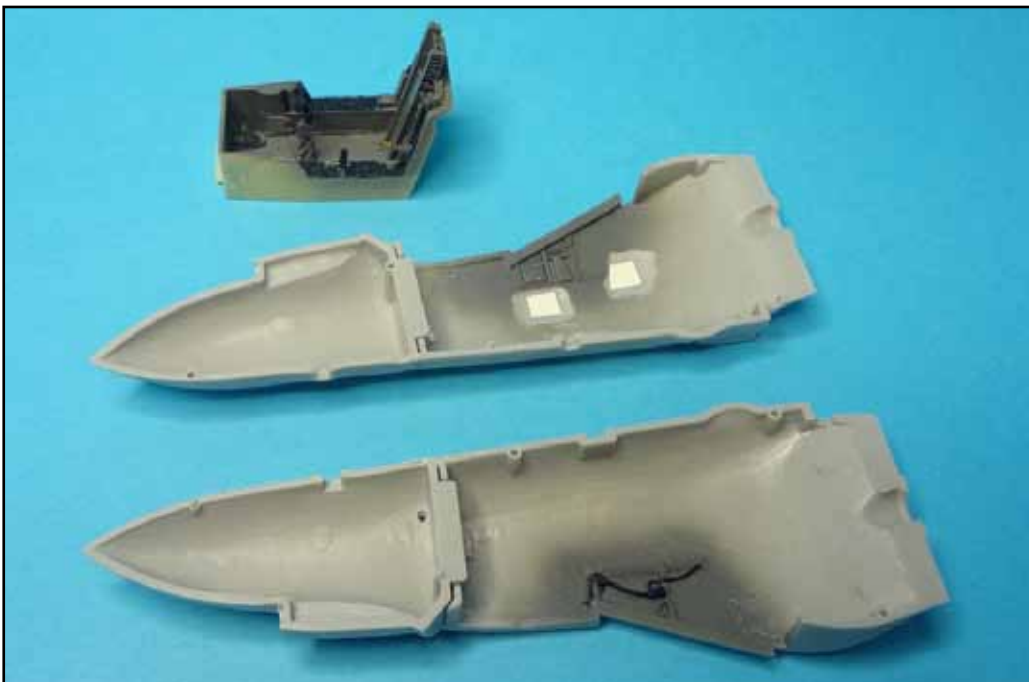
03 Underside view at the same stage with the gun pod assembled and attached.



04 Close up showing construction of the empty chaff/flare dispenser.



05 The kit's LITENING pod was detailed, and new panel lines and rivets added as needed, and the rear intake opened up. Last work done on the kit in 1997.



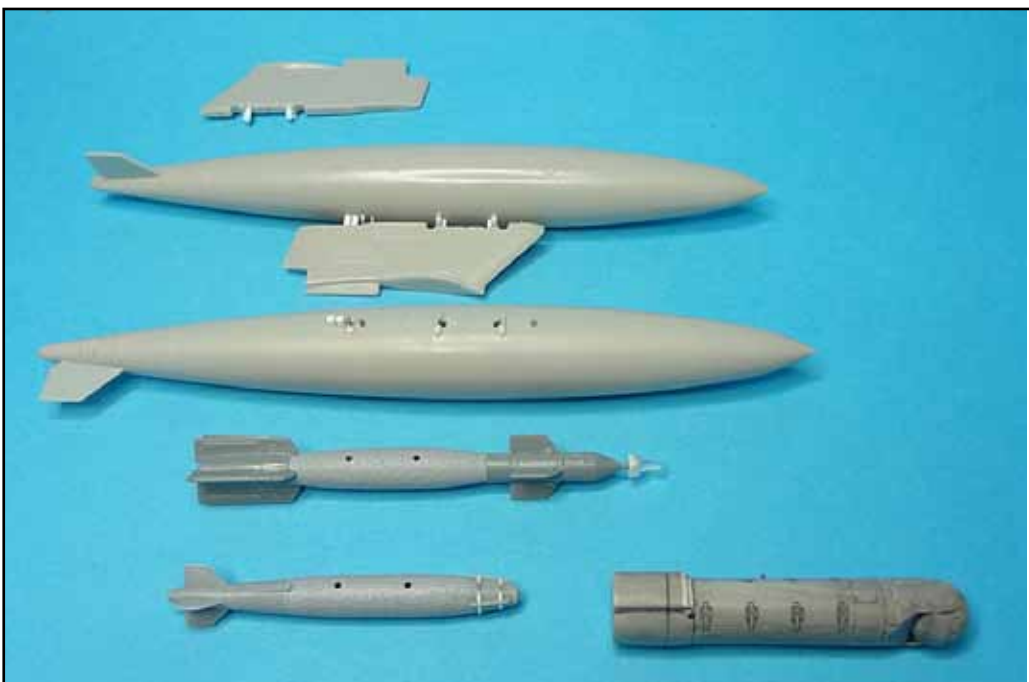
06 Fast forward to 2011. Cockpit painted, and I decided to open the boarding step, so chain drilled the steps, thinned the fuselage behind them and backed them with some styrene sheet (the white squares – you can't quite see the third one at the bottom of the fuselage).



07 Exterior shot giving good view of the 3 step openings.

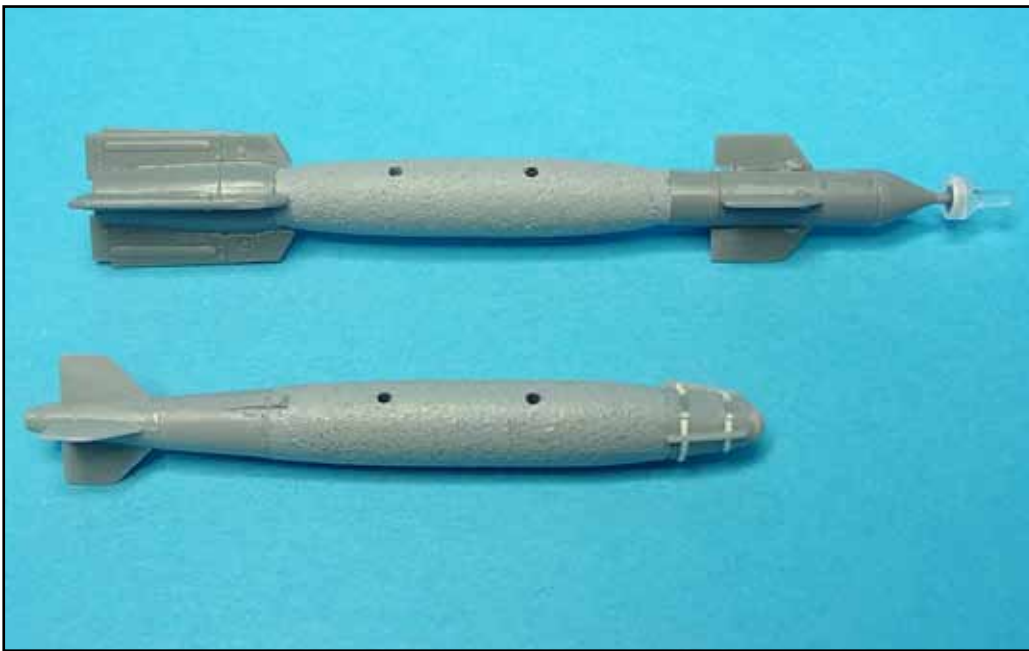


08 Kit fully assembled and ready to mask for painting. Intake has been painted and the extended refuelling probe added.



09 Stores ready for painting. The drop tanks have had missing electrical and fuel connections added. The JDAM (smaller bomb) and Paveway (larger bomb) have had the thermal coating peculiar to US Navy weapons added from Mr Surfacer, along with missing details added.





10 Close up of the guided bombs showing the surface texture added to both, and the retaining clips added to the GPS guidance kit on the JDAM.



11 View showing the painted intake and extended refuelling probe.



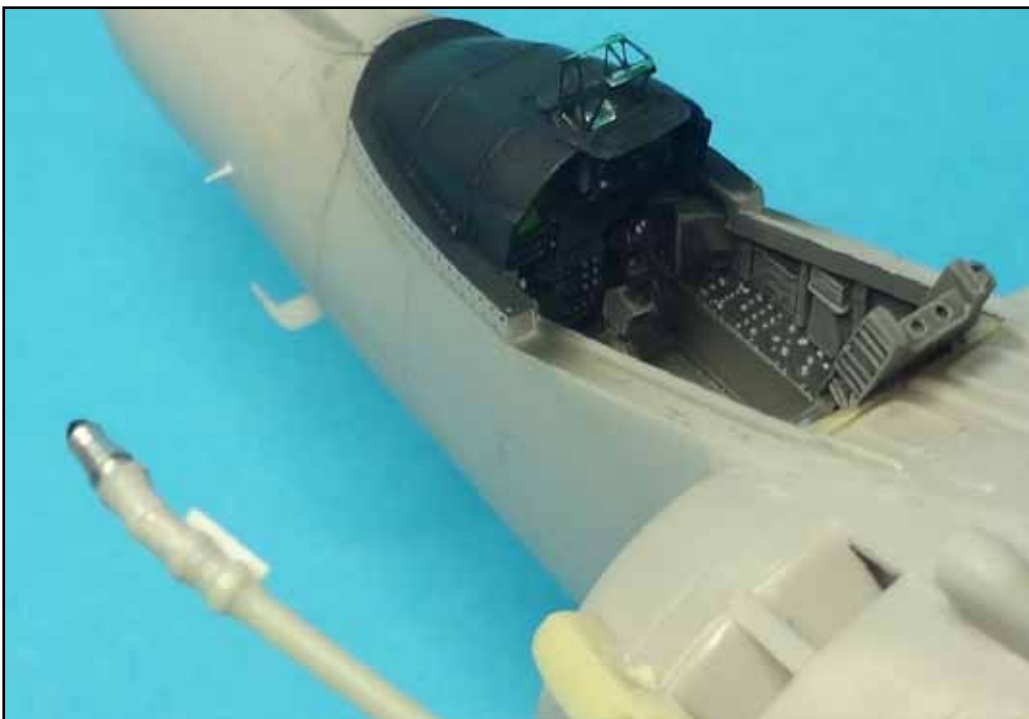
12 Upper view showing refuelling probe, new GPS 'brick' from styrene at rear of the jet and the repositioned fire extinguisher inlets ('frogs eyes') behind the cockpit with the new mounts from styrene. These had to be moved outboard to allow the canopy to open.



13 Sway braces removed from outboard pylons when Sidewinder rails are fitted and pads added to the sway braces of the inboard pylons. Wingtip lights removed as these will be added from clear styrene later.



14 Aires instrument panel and HUD painted and fitted. The glass for the HUD was the kit pieces sanded thinner and polished.



15 Another view of the finished cockpit. The aluminium NATO refuelling probe has been fitted to the tip of the refuelling probe.



16 Painted LITENING pod and Aires canopy framing.



17 Aires seat painted and given a gloss coat and wash ready for decaling.



18 Windscreen as supplied in the kit with a mould seam down the middle. This seam allows the canopies to have their bubble cross section, but need to be removed from the finished parts.



19 Windscreen sanded and polished and fitted to the model. The faint white line down the centre is actually light reflecting off a seam in the black coaming underneath.



20 Seat finished with decals added and ready to be installed in the model.



21 Back of the finished seat showing white ejection rockets.





22 Bottom of wheels have been flattened and the tread rescribed. Wheels have been painted black and then 'scribbled' with dark grey to age them. L to R, left and right main wheels, nose wheel, left and right outrigger wheels.



23 Seat fitted, steps added, canopy, intakes and refuelling probe masked ready for painting.



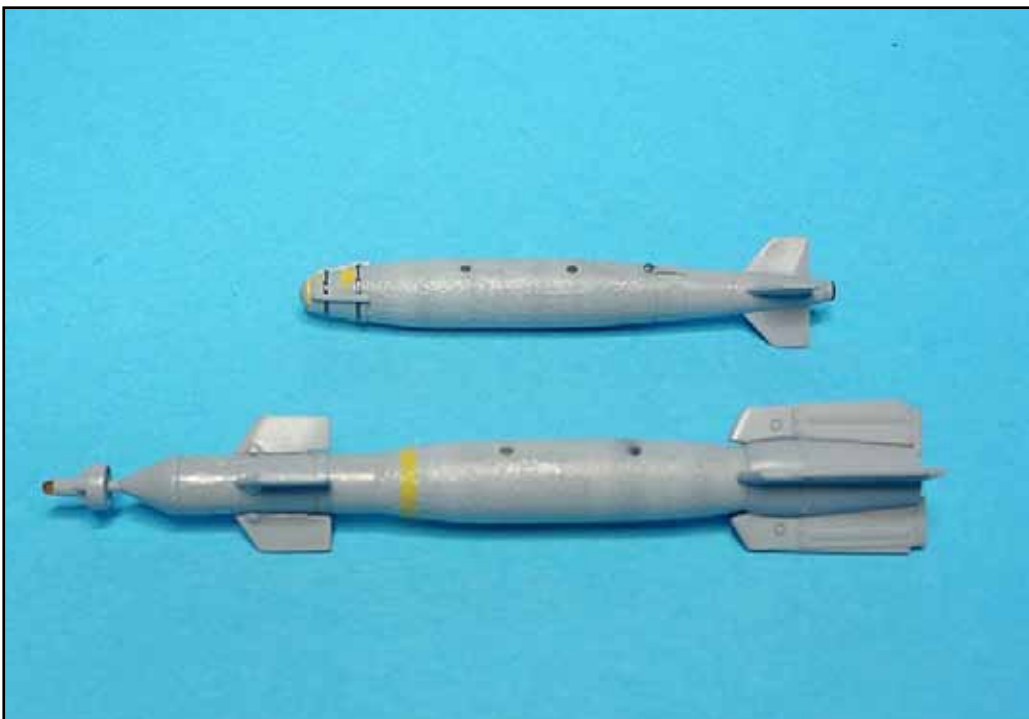
24 Intake masking is foam rubber pushed down the intake, Tamiya tape for the camo demarcation line and Mr Neo Sol (green rubberised masking liquid) painted over top to seal.



25 Some pre-shading added with black and light grey. Rudder has been masked and tri-colour stripes painted.



26 Underside camo colour (FS35237) painted over the pre-shading and then some lighter grey 'scribbled' over the top to add tonal variation.



27 Bombs painted and 'banded' with varying greys to add tonal variation/wear. More weathering will follow once they have been decalced.



28 Further masking added (blu tack for soft camouflage demarcation) and varying shades of Gunship Grey (FS36118) painted on upper surfaces and pylons, drop tank and cold nozzles.



29 Underside showing masking needed and extent of dark grey paint wraparound on leading edges, landing gear fairings and pylons.



30 Finished weapons with custom decals printed on my ALPS and weathered and matt coated. Ready to hang under the wings.





31 Canopy sanded, polished, masked, added to the Aires frame and painted and just needing masking to be removed before fitting to the kit. Just inside the canopy is the photoetched detonation cord from the Aires set.



32 Stop watch and standby compass ready to be fitted to the instrument panel.



33 Scratch built crosswind indicator vane painted and ready to fit to the post just in front of the windscreen.











# Nice TIE!

Fine Molds 1/48 TIE Fighter  
by Bruce Salmon



Or as it is more correctly known - Sienar Fleet Systems TIE/LN Space Superiority Starfighter.

This kit is currently out of production due to The Walt Disney Company (the new owner of Lucasfilm) rescinding Fine

Mold's rights to the Star Wars brand. Fine Molds kits of the Tie Fighter are still available on eBay selling for US\$150 and upwards. If you want a cheap kit then they should be on the market again soon under the Revell banner. TIE Fighter:

Overall the detail on the kit is very good and the fit is excellent. The interior is very simple and even in this scale it isn't worth adding anything as it won't be seen when it's all buttoned up. I gave mine a few different shades of gray and a bit of drybrushing to





liven it up a bit. Not entirely accurate but it looks much better. The cockpit fits snugly into the fuselage and there are only a couple of seamlines to putty before painting. Incidentally the red symbols on the walls to either side of the pilot's seat contain myriad essential information that can only be interpreted when wearing the flight helmet. This includes various systems functionality, astro navigation, docking telemetry, multiple target tracking, high score and Thursday's dog racing results from Addington.

Firstly I primed the fuselage then sprayed Mr Hobby H338 Light Gray FS36495

as my Starfighter grey of choice. Following this I gave it a satin clear varnish then an overall filter wash using Windsor & Newton Payne's Gray. To the gray I added some Lamp Black for a few pin washes in various places. The ion stream exhaust port was masked and sprayed Alclad ALC 123 Exhaust Manifold and the surrounding magnetic field directional controllers were given a touch of XF-19 J.N. Grey. Next the high points got a bit of light gray drybrushing and finally a coat of matt varnish.

The framework for the windows was painted separately and the clear plastic added later. The



clear plastic windows were a little distorted on the outside so I gave them a light sand and polish to fix them up. These sub assemblies were added after the fuselage was painted.

The “wings” - actually fuel cells (no not solar panels) fit together positively so the individual parts could be painted separately and glued together afterwards. These were first primed then painted gloss black. Certain panel strips were then lightened and then given an overspray of either clear blue or clear green. Then each individual strip panel was masked and the ribs were painted Alclad ALC 123 Exhaust Manifold. If I recall correctly, that worked out to be 804 strips of masking tape. Was it worth it? You bet! If not, at least saying that it makes me feel better after all that effort. The effect is very subtle and you might only

notice if I pointed it out to you – in the right lighting conditions.

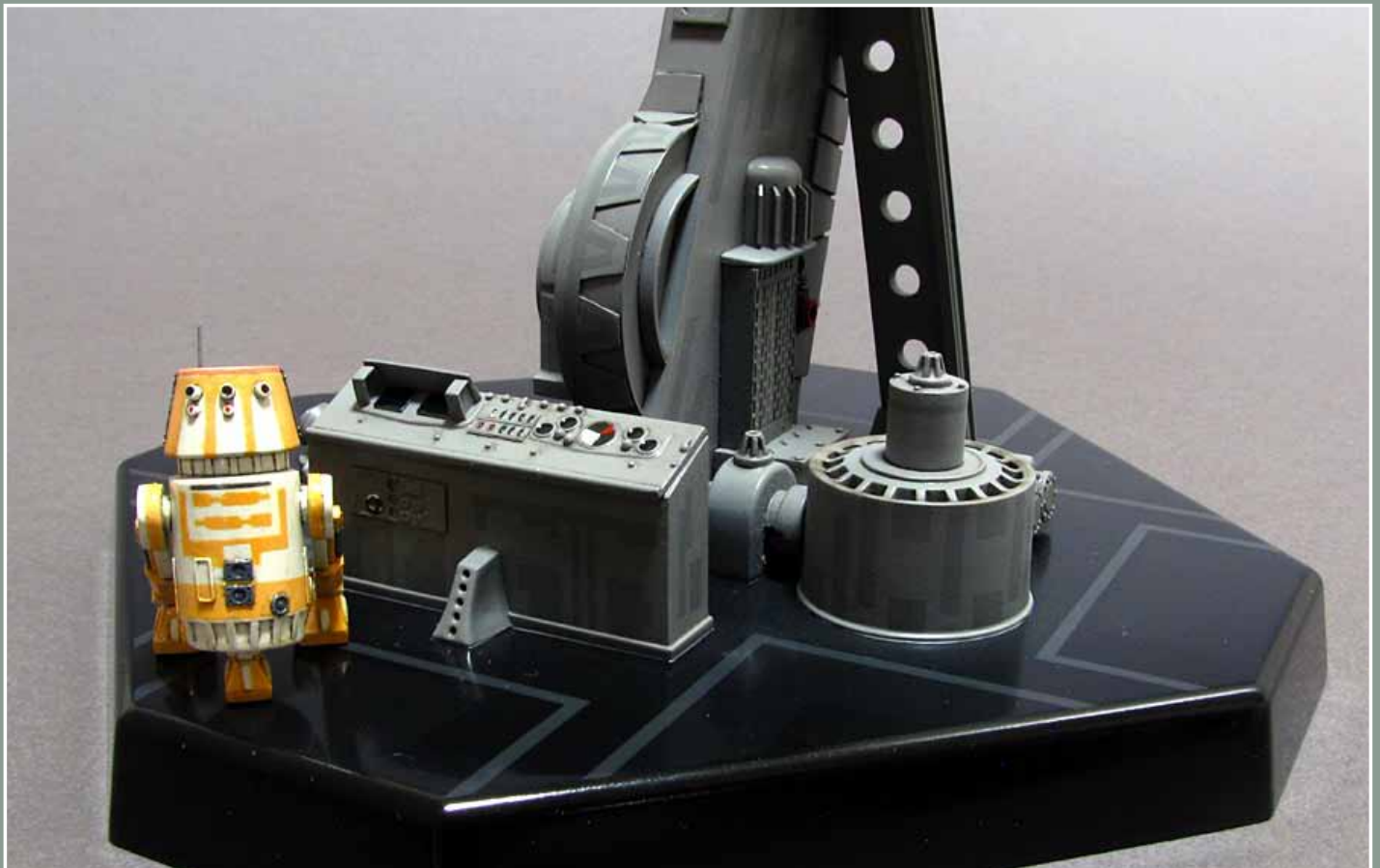
There was a bit of play when attaching the wings to the fuselage arms (actually the ion engines) so to make sure they were glued on straight I sat the fighter down on a piece of paper and drew two parallel lines so that each wing was sitting on a different line. I then used a ruler to make sure the distances between the tops and bottoms of both wings were equal and a square alongside to check they were vertical. Lastly I added the lasers. Job done!

Display Stand:

I was disappointed at how very basic the stand was so I decided to “Star Wars” it up a bit. The look I was after was that of a fighter sitting on a maintenance/refuelling stand aboard the Death Star during Star Wars IV (the first one). The trick to not overdoing this part

is to make sure that everything you add has a specific function. Don’t just randomly add parts for the hell of it. Aside from scratchbuilt structures using plastic card I also added elements from... 1/35 scale Panther tank, 1/24 scale Porsche, 1/12 scale Motorbike. 1/32 scale WNW Hansa-Brandenburg W.29, 1/48 scale Mitsubishi Zero and various PE parts to name but a few.

I painted the base gloss black then masked off a few lighter “panels” and lines. This was followed by a coat of clear varnish. After letting it dry for a week or so I masked the base and sprayed the various structures with several gray colours achieved by mixing black and white. This was given a light weathering with a dark brown pin wash as the Death Star was fairly new and clean. Upon removing the Tamiya tape I discovered that it had messed up the gloss base





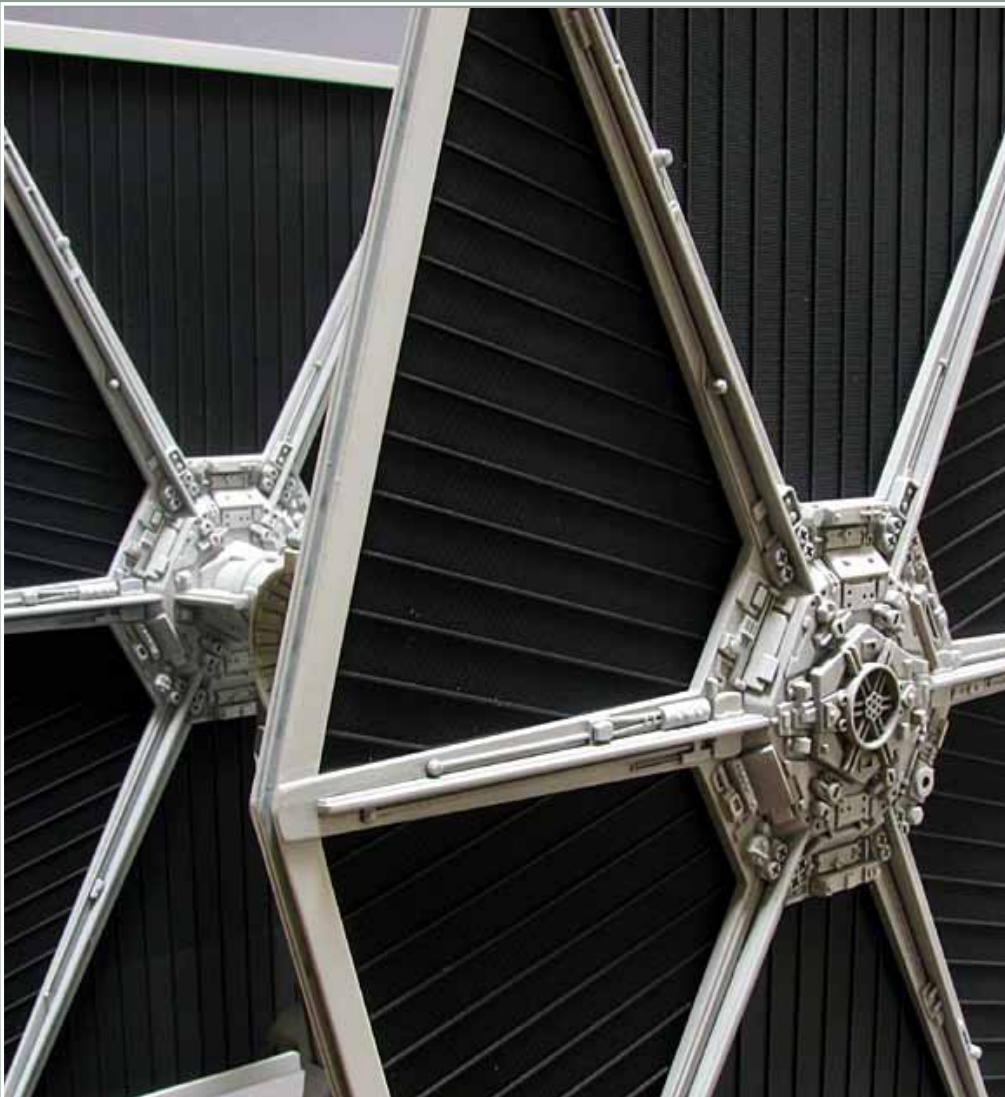
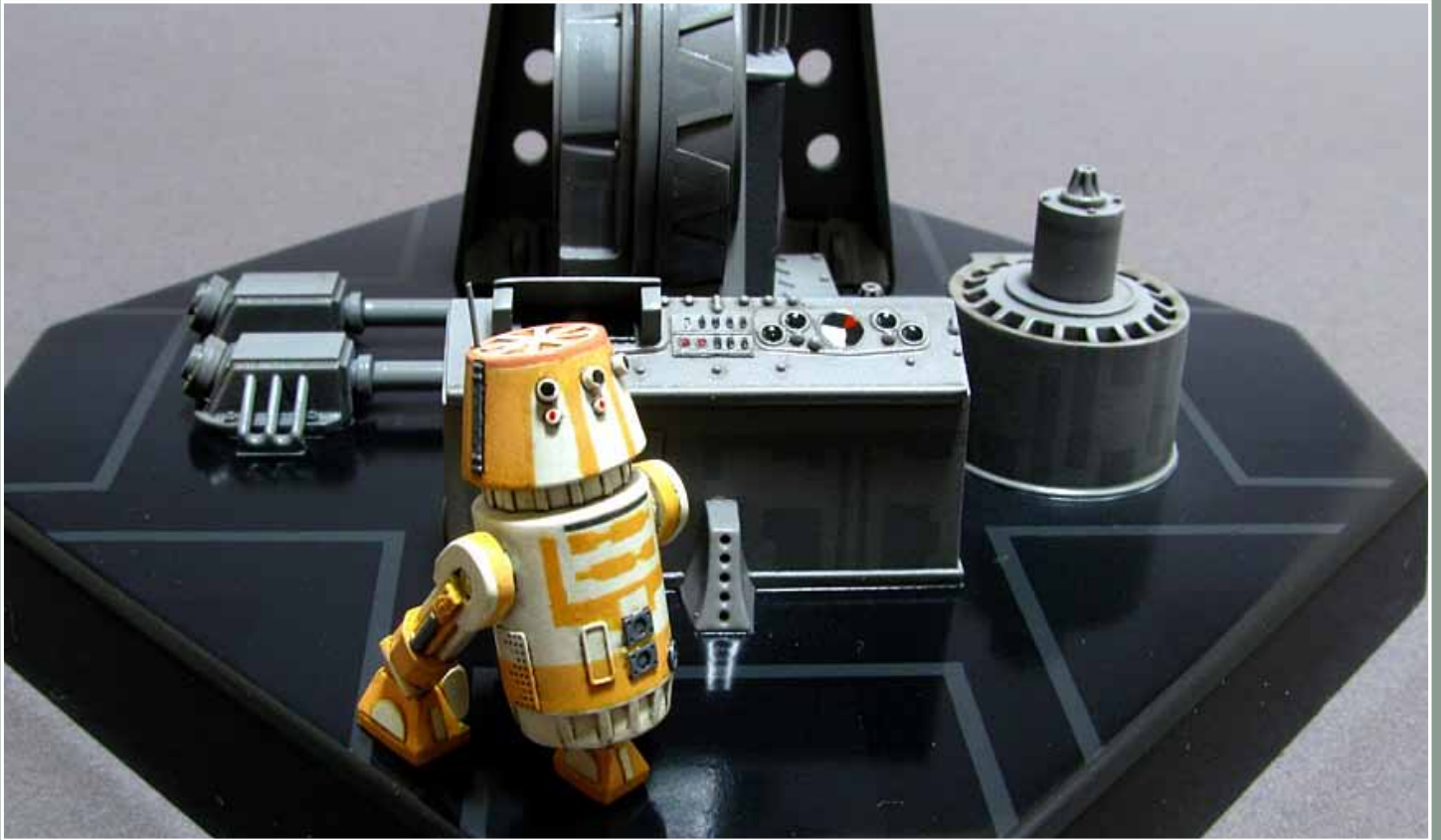


severely. Apparently a week and a half in summer temperatures is not enough time for Tamiya acrylic gloss paints to dry properly. The effect was much like the surface of a rough gravel road. How the hell was I going to fix this without having to open a can of oven cleaner? Well the answer is quite simple. The surface looks rough because the angled surface texture is scattering light in different directions. All you need to do is fill the valleys and the surface will be smooth and shiny again. To do this I sprayed about 6 layers of Future which I then let dry for a couple of days. Next I gave it a very light sand with 1000 grit sandpaper to take the tops off the hills. Another 4 coats of Future and it was as good as new. I have done this before on a clear canopy and it works just as well.

#### Droid:

The little vignette was in need of some personality so I decided to add a droid to bring the scene to life.





The droid was scratchbuilt using plastic card and some left over kit parts from my stash including a 1/35 scale bucket for the head and various PE parts for the smaller details. The height of the droid was gauged by looking at them standing next to a man in the films then comparing that height to the Imperial Officer provided in the kit. The colour scheme was masked and sprayed which was a small mission in itself.

.....

One more trundly in the workshop to paint and then my journey to the dark side will be complete. Then it's back to aeroplanes again!









# Zvezda 1/48 Petlyakov Pe-2

In-box Review by Mark Robson



## In-box Review - Zvezda Petlyakov Pe-2

I have long been fascinated by the war on the Eastern Front in World War 2. I was very lucky to have an inspired history teacher for Scholarship in 7th form who drove to Auckland with me from Whangarei with several hundred dollars of his budget to buy a set of books so I could use the struggle between the Soviets and the Nazis as my special topic for the year. Bliss!

I have been slowly building (I don't know any other way....) a collection of Russian aircraft from the war in 1/48th scale and currently have the I-16, Yak 1b, La-5, and La-7 done. Almost 20 years ago I started the Koster vacform Pe-2 which while an excellent product, still sits languishing in its box.

Zvezda has been dramatically improving their moulding quality over the last few years and their airliner kits are now second to none.

This 1/48th scale kit of Russia's most successful, most-produced (over 11,000 built) and most-loved bomber is an absolutely phenomenal looking model and simply blows every other kit of this aeroplane away.

The amount of detail included in the form of well over 200 parts is staggering, and matches anything else I have ever seen in this scale. The surface texture includes vents, intakes, finely done rivets and some subtle raised fasteners and straps.

The instructions look well designed and printed, with clearly laid out steps and a 4-view camouflage guide (albeit in black and white) of the attractive 4-colour VVS camouflage pattern.

I am absolutely itching to get started on this one but am acutely aware of the 40 or so other kits that I have started in a fit of enthusiasm and then left on the Shelf of Doom so am manfully resisting. I hope some of you will take a step away from British, American and German subjects and give this landmark kit a try.

Mark R



# GALLERY

CLUB NIGHT MODELS

This month we're trying something a little different with the gallery.


Instead of trying to squeeze the photographs from Club Night onto these pages, we've decided to try a new gallery format on the clubs website. This means larger images with higher resolution - so you can see all those previously unnoticed finger-prints in hi-def.....

So, for your viewing pleasure, please visit the gallery pages for 2016 on the website or get there by following this link:

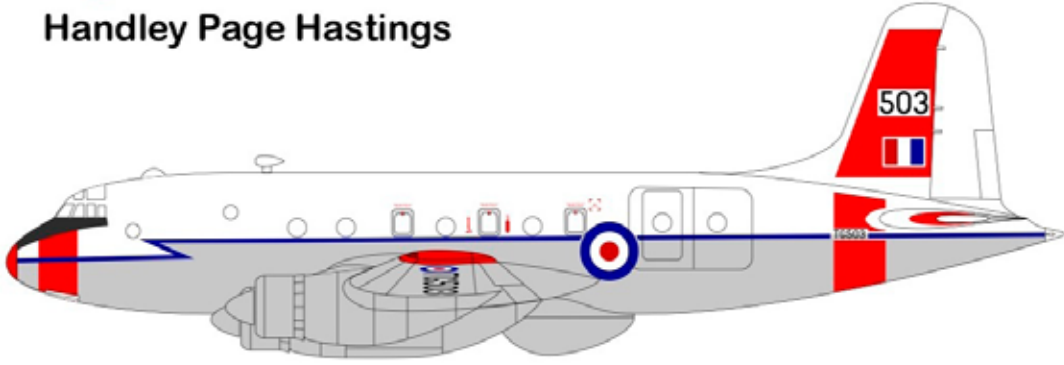
**[http://ipmsauckland.hobbyvista.com/galleries\\_2016.html](http://ipmsauckland.hobbyvista.com/galleries_2016.html)**



# LAST WORDS



**S&M Models**  
Handley Page Hastings



**Resin kit with decals**  
**Includes alternative tailplane parts**

**1/72 scale**  
**SMK72 - 35**

Something different to add to your RNZAF collection - a 1/72 Handley Page Hastings C1/C2 by S&M Models (who have also released a 1/72 HS Andover...). Rumoured to include RNZAF markings but who knows until its released. At 99 quid (which at the moment converts to about \$216) plus postage, you'd have to be keen....

Check it out here if you are: <http://sandmmmodels.co.uk/product/hp-hastings-c1c2/>

Many thanks to Craig, Bruce and Mark for their contributions this month.

Check out the IPMS Auckland website as we're trying to keep the content a bit more dynamic. We won't be regurgitating content found on other websites but will provide links to sites we think are of interest to members.

Also remember to check out the 'On the Table' galleries which will now be on the website only.

...and again, a reminder that if you have anything to contribute, be it images of an event you went to, a model you're building or fancy reviewing, something you've bought online or anything else even remotely modelling related you think may interest the rest of the club, send it through to me at: [jaxbw@orcon.net.nz](mailto:jaxbw@orcon.net.nz) or have a chat with me at Club Night.

Cheers  
Rob

