



001

August 2022

NEWSLETTER  
by



# MALAYSIAN MODELLER

## KRIEGSMARINE ZERSTORER IN THE DOCK!

Trumpeter 1/350 German Zerstoror Z-43 ►

## DTM TRAIL BLAZER

Tamiya 1/24 AMG Mercedes ▼



## PHANTOM FEVER!

Tamiya 1/48 F-4B ▼



## VIPER ZERO

Hasegawa 1/48 F-2A ▼



## COLOURS & MARKINGS OF THE NORTHROP F-5 FAMILY IN TUDM SERVICE



*The inaugural issue is here for diehard modellers featuring builds  
by members, special reviews, modelling tips and more!*



# PRESIDENT'S FOREWORD



Assalamualaikum w.b.t and good day,  
Dear fellow members of Scale Modellers Malaysia,  
Welcome to our first ever newsletter!

The preparation of the inaugural edition of the Scale Modellers Malaysia, Malaysia Modellers newsletter has been in the works for some time and has now become a reality. A big applause and thanks to the editorial team and members who contributed articles for the inaugural edition of the society's newsletter. My heartiest congratulations for a job well done!

This positive development comes amidst the normalising of life, more than 2 years after the Covid-19 pandemic struck the world in 2019. Unfortunately, the pandemic still continues to affect families, communities and individuals even now. It is difficult to forget how during this unprecedented global event, most of us were affected in some way, be it physically, mentally or financially. In spite of that, my sincere hope is that everyone enjoys good health and is generally doing fine under the circumstances and continue to be steadfast during these challenging times.

In light of how things are, I would also like to thank all the committee members of Scale Modellers Malaysia for their dedication and commitment in keeping the wheels of the society turning. All this is all the more noteworthy, when considering the voluntary nature of the society. I would like to impress on the members of the society that this newsletter is for you. Please take advantage of this platform to share your builds whether you are a master or a beginner. The society is always about sharing our knowledge and skills so that we can learn from each other, broaden our expertise and improve our builds gradually (not to forget "racun"ing other members to buy new model kits in the market).

It is my sincere hope that we will soon be able to meet again physically through group builds, competitions and meet ups in the near future. Stay safe, keep on building and I look forward to see more contributions from everyone in the newsletter.

Thank you.  
Imran Zulkifli  
President  
Scale Modellers Malaysia

## EDITORIAL TEAM

Jason Cheah  
Aidy Abdullah  
Suresh Abraham  
CKLoo  
Koo Williams



## Event Highlight



**SHIP & HELI GROUP BUILD**  
@ CKTAN PLAMODEL SHOP  
BREMPARK MALL, KL

30 JULY 2022

Organising Committee:

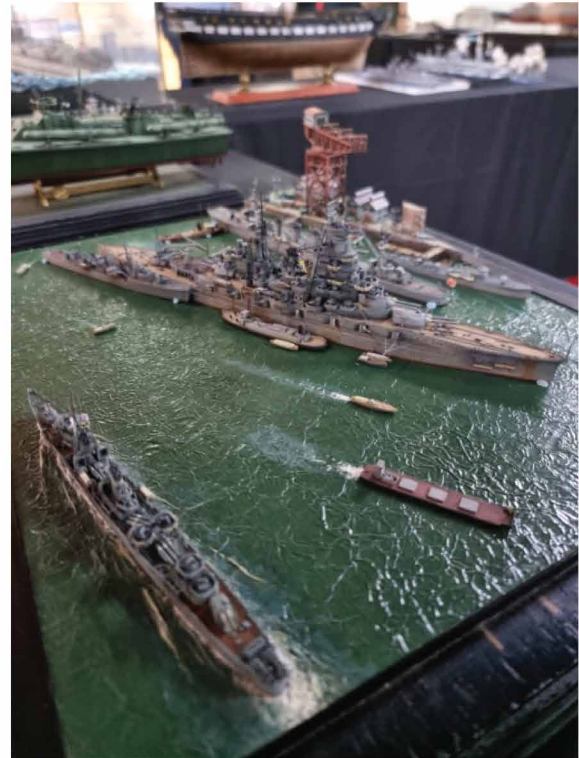
Allan Chew  
Wong Kwong Yan  
Koo Williams

## SHIP & HELI GROUP BUILD

The event was announced on the end of the first quarter 2022 and graciously sponsored by CKTAN Plamodel Shop who secured the venue in an empty shoplot at Brem-Park Mall.

A total of 14 modellers brought in their works for display and the event floor exhibition had no less than 60 models of various scales and make on display. Refreshments were provided courtesy of Allan Chew and Wong "Sifu" while lucky draw prizes were donated by Allan Chew, CK Loo and CK Tan for all participating modellers. 2 sponsor choice awards were given and selected by the sponsor. CKTan Plamodel shop further offered a special 25% discount sales to all SMM members for on site purchases on that day. Koo Williams provided support in the graphics department and also the loan of chairs. A Photetch and 3DPrinting Show and Tell with Demo was conducted by CK Loo. The event saw an estimated visitor count of around 100 and successfully ended at 4pm with the venue handed back to the Mall management. The members contributed in assisting with the setup and cleanup. ( Allan Chew, Chris Sia, Wong "sifu", Koo Williams, Jason Koh, Chow Hock Lee, CK Loo, Aidy Abdullah, Hilmi, Richard Foenander, Low Hock Kheng, Thomas Ng and so forth...). It was also a pleasant note that SMM members from as far as Penang were happily shopping away at the model shop with the special members discount.

A final word of appreciation goes out to the sponsor and all those who made this event possible.







## Upcoming Events

**SEPT 16**

### **Merdeka Groupbuild**

Members are invited to bring in their Malaya/Malaysia themed models ( completed or in progress) for display or show and tell. All newly completed models will be eligible for a MERDEKA medal pin.

**Late NOV**

### **Annual General Meeting & Model Show**

All models of all genres are welcomed to be entered in this SMM Competition where every entry will be evaluated based on points systems for the possibility of receiving a bronze, silver or gold award. A BEST OF SHOW. Final date and venue to be confirmed

## Sikorsky's multi mission workhorse

**T**his S-61A kit is a retooled SH-3H kit of 1995 with added sprues for the Japan Maritime Self Defense Force variant. These models share a lot of similar sprues and can be interchanged to make the various helicopters in service around the globe. Issued in 2010, Hasegawa also released the reboxed Sh-3D with a short tail fin. This review will focus on giving a build experience perspective based on the instruction sheet sequence.



**S-61A Seaking J.M.S.D.F.**  
Brand : Hasegawa  
Kit No. : 09959  
Scale : 1/48

### STEP 1 to 2

The details on the cockpit is sparse but adequate. The pilot and copilot seats are the late type with moulded seatbelts. If needed, a few thin slices of masking tape over these seatbelts can help to make them more realistic. Decals are provided for the instrument panels and there are slight differences in parts B4 & B5 compared to B21 & B22 which ideally, should look the same. Cleanup is mandatory for the stick and collective controls. Part N4 is a bit misshaped to fit B31 but is not too visible. The document folder case on top of B31 is a seal line which you can upgrade with a thin placard. Pages 4 & 5 shows profiles of the fuselage halves detailing which windows to open up. Do compare the diagrams with the actual kit for notable differences and inaccuracies with the diagram. This will not however, affect the areas to cut. Do note the size variance of the different windows.

### STEP 3

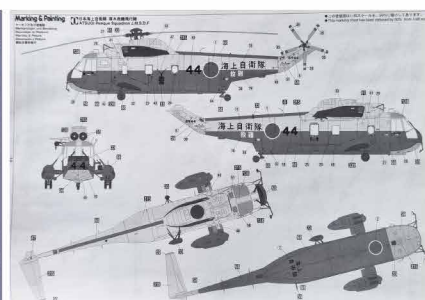
Parts B56 & B57 : Fit for the fuselage halves is off. You will need to eyeball the position of the exhaust opening to get a good position when putting the halves together. The upper spine of the kit have panel lines misaligned to be corrected with putty & rescribing for accuracy. The halves fit well with a bit of elbow grease to fit part B52 (cabin bulkhead) into the curvature to avoid see through. The position tabs at the cockpit floor sits straight and part B58 need care to ensure the cockpit floor sit straight to the front curved window horizontal line. Putty work and sanding along the join line is expected.

### STEP 4 to 7

The curved parts in the matrix of air intake parts needs careful fixing. Quite a bit of sanding and putty is required to make the shapes conform. The hull bottom is pretty much straightforward & will pop into the tab. Part 725 will need putty and sanding and a thin placard slipped in between to get a proper flushed fit. Some flash and tree join cleanup is required on all the small cylindrical parts. Some putty and correction is again needed on the panel line alignment for the sponson struts. Choose the correct strut as there is another pair of spare struts for earlier models.



Picture shows standard fuselage half requiring surgery to open up additional windows



Colour profile without rotor blade which is described in page 12

### STEP 8 to 9

As the winch and searchlights parts are basic & painted black, you may wish to add some hose and wire work to them to give them a bit more detail.

### STEP 10 to 11

The tail rotor parts need cleanup at the top where the tail rotor sits. This is a late tail design with a longer strutted fin and slightly longer length. Parts MA2 & MA3 require a bit of cleanup to correct a misstep before the PE can be fitted. Parts C15 & C16 fit tightly. Handle with care as these parts have a nasty tendency to fly off the tweezers.

### STEP 12 to 15

The one piece clear part will not fit properly. The trick is to use a small amount of CA at one corner at a time before you use ABS cement or extra thin cement to get the whole join line fixed. Part N5 & N6 involve curves; putty and sanding is required. The rotors are robust but the action required on turning parts C18 to C20 is not obvious. The fit is tight. Take care not to break the parts and be careful with the direction of the blades. The pin B36 fits well and snug. The mirrors are all in white metal parts and a bit of cleaning & polishing goes a long way before putting it together in CA.

ENJOY YOUR BUILD!!



Ukrainian MINIART introduced 1/35 scaled injection mould WW2 figures as alternatives to more expensive resin figures back in 2003. Having gained a popular following & good reputation, in 2009, a scale model of the Harley Davidson WLA (Liberator) motorcycle was produced. Since then, no less than 8 other boxings have been released with different parts added. Kit 35168 was released in 2015, depicting a proud US MP on a 1945 Liberator bike.

# Bike Patrol!

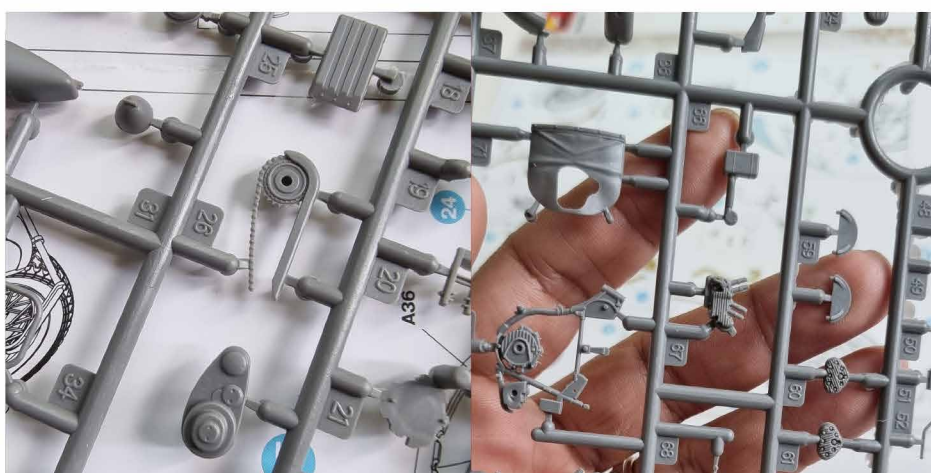
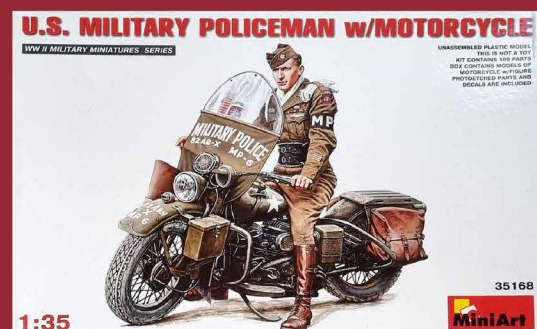
Since its release, many reviews can be referred to. Most reviews found the kit to be of a great standard with only minor gripes on the colour instructions. This particular review will look at the potential areas which will require a bit more modeling care and also highlight areas where the kit potentially will excel.

## U.S. Military Policeman w/Motorcycle

Brand : Miniart

Kit No. : 35168

Scale : 1/35



### MOTORCYCLE KIT

Having worked on Miniart kits in the past, I find the plastic easy to cut and extra care is needed to make sure you do not damage the delicate details of the kit small parts. The parts breakdown is very impressive and typical Miniart. Cut parts away from the sprue tree and rely on fine trimming to maintain the details. Don't be surprised to find the tree connectors even bigger than the parts (A13, 14, 15, 52 to name a few). As these parts are small, you need not worry about ejector pins but you need extra care to make sure glue marks and join seams are carefully tackled (see steps 18 & 19 which are highly visible and less forgiving). Thin CA, extra thin cement and also a needle sharp pair of tweezers are needed. Non slip tweezers are the best (modeler tip: coat your steel tweezers with some acrylic paint to get extra traction to avoid the parts flying off). For clear parts, they are all drop down gauges or headlight faces and cement is not recommended as they might potentially scar the surfaces. Use PVA if necessary but if you still prefer cement, apply cement to the non clear parts and wait for it to almost dry before slipping down the clear parts so that there is no capillary motion from too wet a surface.

Miniart supplies some bending moulds in the kit for the PE and these are tackled in steps 1 and 2. Anneal the PE first over a small flame to get them softer to bend. Dryfitting is essential to check the bends as the moulds are guides for the shape and overbending helps. For small PE parts like wingnuts and buckles, a sharp needle will be needed for the CA; or if you prefer something less robust, ABS glue. Construction steps are logical with a straightforward building sequence but you need to make sure the painting process is thought out first and carried through. Another thing to consider is adding all the hoses and wires which to me is very important to give life to the kit. Unfortunately there is inadequate information in the sheets. Use copper wire or fine solder wire for this purpose.



### MP FIGURE

The sculpt of the figurine is adequate, with numerous details. You will need a small amount of putty to get the figure parts properly attached. Use a fine needle file for mould lines cleanup. Do make sure the figure is seated snugly on the seat if you opt to pose the kit in its completeness.

### PAINTING

Miniart provides paint codes from most paint manufacturers in their paint chart but the instruction sheets are rather lacking. You may wish to refer to the above two links below to get a better picture of the actual colours you need to apply in the kit.

### SUMMARY

This kit continues the MINIART tradition in producing detailed kits. For those wanting to try their hands on AFV subjects with a figurine as a bonus, this kit is highly recommended. At under Ringgit Malaysia 100, it will keep you busy for a month. Highly recommended. With the recent troubles in Europe, we hope that MINIART can continue to produce kits of equal quality if not better.

<https://nationalmcmuseum.org/2016/11/11/1942-harley-davidson-wla-the-liberator/>  
for a good set of photos for a 1942 bike.

<https://www.youtube.com/watch?v=hxqDAB9eE>  
or a fantastic walkaround video

Review by C K Loo



## Kennedy's Nemesis

*The IJN Amagiri which rammed President Kennedy's PT boat, participated in Midway and the Malayan landings was sunk off Balikpapan, East Kalimantan*

**AMAGIRI IJN DESTROYER**  
**with US Navy PT Boat**  
**Brand : Finemold**  
**Kit No. : FW2**  
**Scale : 1/350**

**T**his review takes a different approach in following; to follow the instruction sheet subassembly steps to highlight areas of interest to the modeler. The sheet is superbly illustrated in English and Japanese offering a painting guide along the way with GSI Creos and Tamiya paint codes.

This kit is a rebox of the original Finemolds 2011 Ayanami kit. The model warship site, <http://www.modelwarships.com/review/s/ships/ijn/dd/ayanami-350-fm/fm-review.html> has an excellent description of the kit details and sprue.

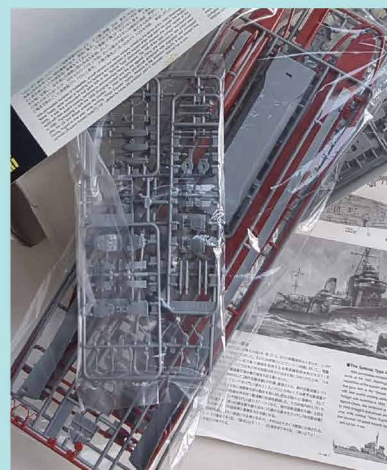


### STEP 1 to 3

Detach the rudder A6 carefully as you can easily damage the side lip detail. For a full hull, install the rudder later for painting ease. Same applies for the propeller shafts and blades too. For the waterline mode, cut C2 to C5 carefully to ensure the sides sit properly for parts C1 and C8. Paint the whole subassembly before attaching the top deck in Step 4 which is of different coloured zones.

### STEP 4 to 9

Before attaching funnels and support rails down to the top deck, consider painting these parts first to avoid more masking. Dry fit parts to get a good fit (eg: D15, 19, 28, D31 and B18 to parts D29 and D30) and make them detachable from the top deck. The whole subassembly for the torpedo launching mounts (Step 6) can be painted separately first and assembled later. Install the mounts with or without the torpedoes showing. Personally, a bit of silver showing in an otherwise grey ship will add a lot of visual interest. Smooth join lines on the curved and lipped chimney D10 and D11. Attach D16 to D22 and D25 first, dryfitted on top deck for ease of painting. Separate WZ3-4 with care along the fine thin cylinder. Fix B13 and B16 to Step 8 first and dryfit on top deck. Paint before attaching them to the top deck later.



### STEP 10 to 14

Plan and paint clear parts G2. Though not labeled, an overall white tan interior is a likely hue as actual references for the colour is not widely available. Part D7 will need to be drilled to fit K3 later. Check to see that the drill holes direction are correct on this curved part. As the bridge structure involves layers with different colours, do study the instructions carefully to paint each part prior to using cement. Consider painting part G2 to show the interior tan colour too before applying the SC01 shade. For the gun platform, dryfit the main assembly to part B14 and B15 and paint prior to fixing onto the top deck. Note the tilt direction in part L1. Drill the opening at V18 or even the guns Y10 if desired.

### STEP 15 to 19

Sand down the ejector pins carefully as the parts are fragile. Align part WZ2-1 in the proper angle on grid paper helps tremendously. The auxiliary ships work are rather straightforward while the rest of the steps up to 23 completes the fixing of the guns and torpedo mounts.

### STEP 24 to 27

are dedicated to the bonus PT boat which by itself can be a little standalone project. Those wanting a bit more can also do a sea diorama of the ramming incident.



ENJOY YOUR BUILD!!

Review by C K Loo



# COLOURS & MARKINGS OF THE NORTHROP F-5 FAMILY IN TUDM SERVICE

**N**orthrop's diminutive F-5 became Malaysia's first supersonic aircraft when they were delivered in 1975. A total of 14 single-seat F-5E fighters and 2 F-5B two-seat trainers were received and formed No 12 Skuadron, based in Butterworth. All aircraft were delivered in aluminum lacquer finish with black radomes and anti-glare panels. In 1982, the F-5Bs were transferred to the Royal Thai Air Force upon receipt of 4 new F-5F trainers.

Serial numbers were allocated as follows:

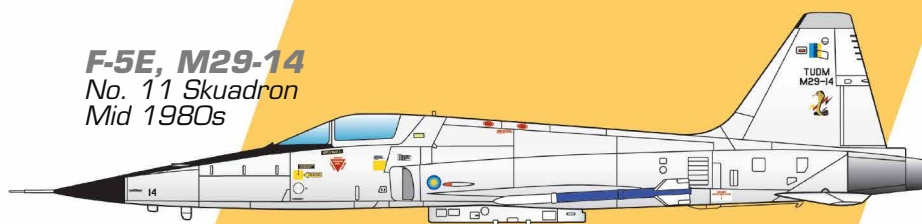
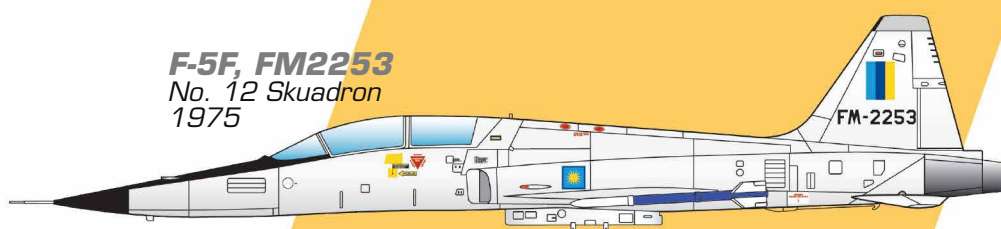
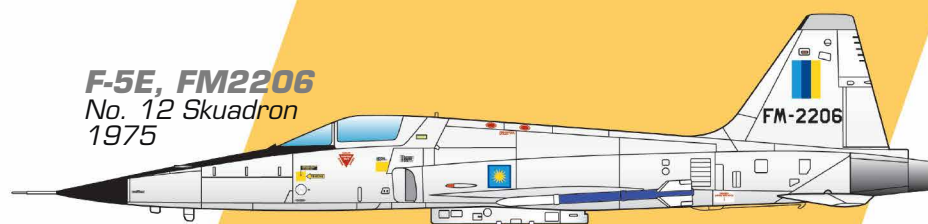
F-5B : FM2201 to FM2202

F-5E : FM2203 to FM2216

F-5F : FM2251 to FM2254

In the mid-1980s, the TUDM insignias were reduced in size and changed from squares to roundels. Serial numbers were also changed from FM-22XX to M29-XX.

## 1975- 1980



Some time in the mid-1980s, TUDM's F-5 fleet began receiving a 3 tone grey wraparound camouflage scheme.

Around half the F-5E fleet were reassigned to No. 11 Skuadron, which had earlier operated the former Australian CA-27 Sabres. Aircraft tails were marked with No. 11 Skuadron's Cobra or the Scorpion of No. 12 Skuadron.

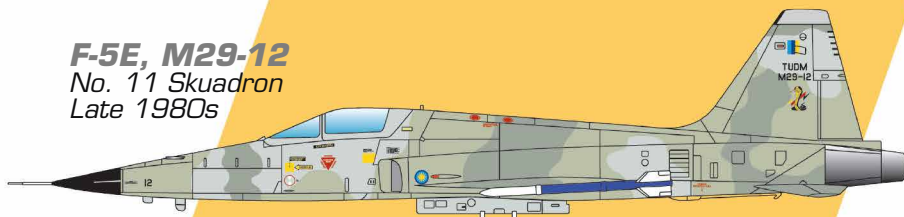
New serial numbers were as follows:  
F-5E : M29-01 to M29-14  
F-5F : M29-15 to M29-18

When Northrop developed the RF-5E Tigereye tactical reconnaissance version of the F-5, Malaysia purchased 2 aircraft to become it's first operator. The RF-5E were allocated the serials M29-19 and M29-20.

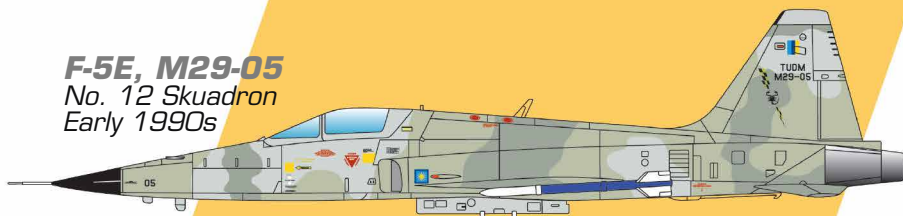
TUDM also purchased 2 additional late production F-5Es as attrition replacements. These aircraft, serialised M29-21 and M29-22 had the newer 'shark-nose' radomes and enlarged wing leading-edge roots.

## 1980 - 1990

**F-5E, M29-12**  
No. 11 Skuadron  
Late 1980s



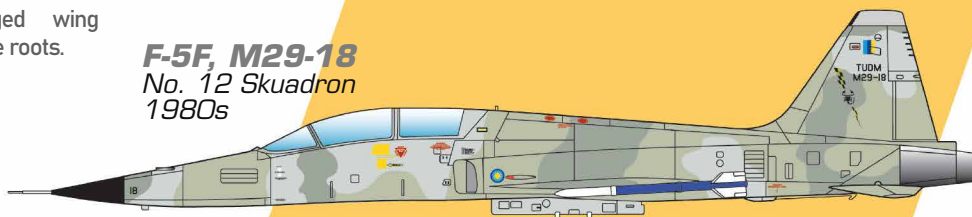
**F-5E, M29-05**  
No. 12 Skuadron  
Early 1990s



**RF-5E Tigereye, M29-19**  
No. 11 Skuadron  
Late 1980s



**F-5F, M29-18**  
No. 12 Skuadron  
1980s



Colours used for this scheme are:

FS36373

FS36440

FS36495

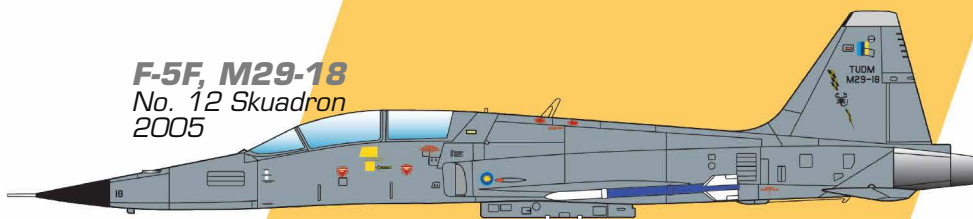
In 2005, the remaining fleet of F-5s in TUDM inventory was consolidated into No. 12 squadron.

The 3-tone camouflage scheme also gave way to an overall scheme of FS36173 grey.

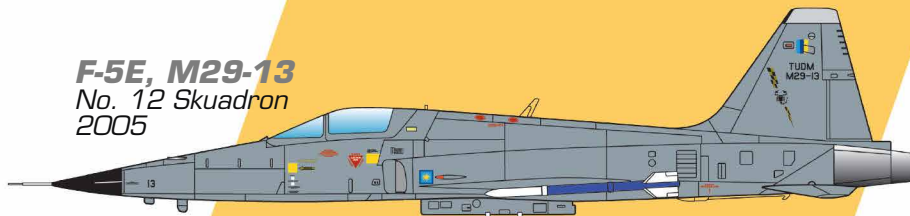
FS36173

## 2005 - 2014

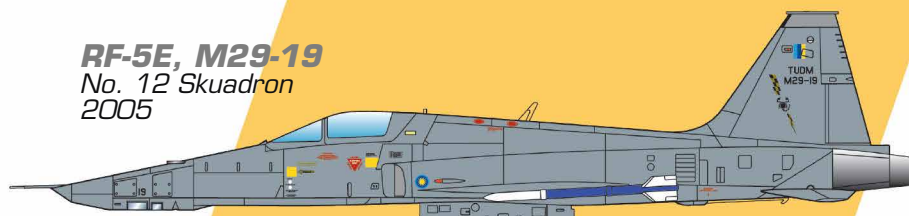
**F-5F, M29-18**  
No. 12 Skuadron  
2005



**F-5E, M29-13**  
No. 12 Skuadron  
2005



**RF-5E, M29-19**  
No. 12 Skuadron  
2005







I am a great fan of the F-4 Phantom II aircraft. The first Phantom II kit I built was from Italeri, and it was built for a Phantom Group Build held back in 2008 at the then City Square. It was not until the Covid 19 pandemic that I started to accumulate a sizeable stash of Hasegawa Phantom II kits and built at least a dozen of it. When Tamiya released the F-4B, it was a no brainer for me; some may say it is overpriced, but in my opinion, it is worth every penny.



First of all, this kit can be built out of box, without any aftermarket upgrades. The details are fantastic out of box. The pictures above are the nozzle. It consists of several individual parts that can be painted before assembly. You do not need glue, it just "clicks" together nicely.

## PHANTOM FEVER! US Marine F-4B Phantom II

by Kwong Yan, Wong

Cockpit details are fantastic. Compared to Italeri or Hasegawa that I had built, the details and engineering by Tamiya is miles apart. I dry brushed the raised panels, buttons and switches; and picked up the details with red, yellow and white using a toothpick. Gave it a bit of dry brush treatment, and the details pop up nicely.



*Dry brushed raised detail  
to simulate wear and tear*



*Fit is perfect*

To add further realism, I used solder lead to represent the various cables and hoses around the cockpit wall and behind the RIO instrument panel. This brings out the detail of the cockpit to another level as shown in the picture on the right.





◀ A simple upgrade on the ejection seat can be done using food wrapper. You can mould and shape the wrapping paper to create "wrinkles" on the seat.



If that is not enough, you can DIY the ejection seat belts too. You can cut small strips of masking tape, twist it, wrinkle it, and adjust it to your preference. Find the thinnest copper wires that you can find, and try your best to make the metal parts for the seat belt. It may not look as perfect as the resin aftermarket; but to me, it is a nice touch.

Though barely visible after you attach the canopy, you can still clearly see through the transparency of the canopy, amplified by dipping the canopy into Future.



***"...some may say it is overpriced,  
but in my opinion,  
it is worth every penny."***



The exhaust of earlier Phantoms are usually covered with soot from the powerful engines that spew lots of smoke. For this part, I spray a layer of black as basecoat followed with a layer of silver. Then I spray various shades of burnt iron, exhaust manifold and steel. Clear blue was also sprayed to give certain spots some burnt effect.

Unfortunately, I lost some of the WIP photos of the underbelly of the aircraft. The landing gear bay had some fantastic details and fit as well. The airbrakes were pretty decent too. The assembly of the landing gear is well engineered, and it is almost effortless to align the wheels properly. Unlike Hasegawa or Italeri which need more effort to ensure everything is aligned.







Painting was pretty straightforward. I do not like to over pre-shade the panel lines. I tend to do it randomly, some lines are darker and some are lighter. Some of the lines are pre-shaded in brown too.

Weathering was kept to a minimum. I bought this kit and the Furball Aero Design aftermarket decal from F-4Dable Models Direct that contains up to 10 markings of various US Marines Phantom II squadrons. This is really an exceptional kit; and for Phantom enthusiast like me, having 2 or 3 in the stash is not surprising.



McDonnell Douglas  
F-4B Phantom II  
Brand : Tamiya  
Scale : 1/48

Decal from :  
<https://f-4dablemodelsdirect.com/>









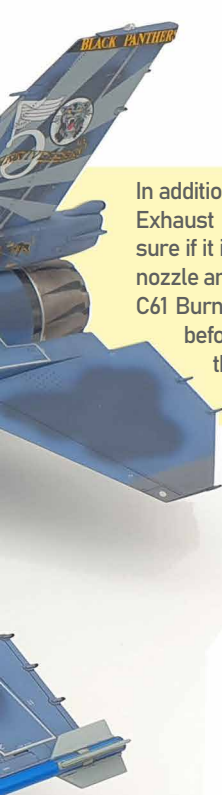
I humbly present my recently completed Hasegawa 1/48 Mitsubishi F-2A model kit (PT27). This kit was built OOB with DXM Decals as I preferred a more vibrant looking tail fin and was my first attempt in creating pipelines using different gauges of lead and copper wires for the landing gear bays. This was achieved as close as possible by referring to the Model Art book on the F-2A/B I got from F-4DableModelsDirect. I will have to think twice next time to even start.

## VIPER ZERO MITSUBISHI F-2A

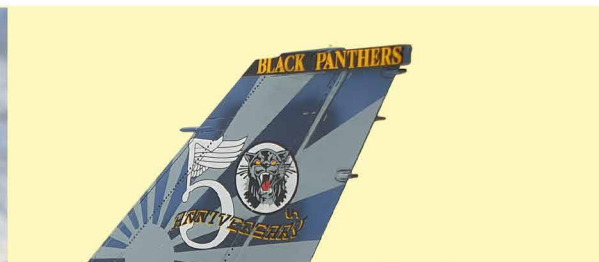
by Eric Mak Wei Lun

When you have such a good book for reference, you cannot hold back but see where else to create additional details. For example, I painted most of the kit according to the kit's instructions but paid special attention to the brake chute's details. The kit instructions simply stated to paint everything in one colour, Olive Drab, but the real thing actually has a combination of colours.





In addition, I have also recreated the Jet Exhaust Nozzle surface texture (not sure if it is called as so) by masking the nozzle and spraying a layer of Mr Hobby C61 Burnt Iron, sanding it down a little before an overall light misting of the surface to blend.



This is overall a very nice and easy kit to build with little "no fit" or gap issues that a little superglue or putty can't fix. The moulding details are in essence accurate for a Mitsubishi F-2A (according to the Model Art book I have) with the option to drop the slats and flaps. If only Hasegawa had incorporated this level of detail for their other F-16 product range. Now I cannot wait for the Hasegawa F-2B and the FineMolds F-2A







# DTM TRACK BLAZERS

by Tan Ka Ken

I've always been a fan of the great DTM (Deutsche Tourenwagen Masters) and the 90s were the golden years for both DTM and for Mercedes Benz. The Mercedes W202 C-Class would go on and win the 1994 DTM championship with Klaus Ludwig as well as the 1995 Driver's and Manufacturer's championship with Bernd Schneider at the wheel of this mighty imposing machine.

Tamiya did a great job in recreating this masterpiece in their 1/24 model kit series (which in my opinion is their golden collection era in the mid-90s too) with the introduction of this kit.

Tamiya released this kit back in 1994 with the art box (pictured right) and it faithfully comes with realistic chassis under-surface and complete engine bay detail, much to the delight of car modelling fans (including myself) Kit comes complete with decals and option to build either car # 3 (piloted by Roland Asch) or car # 4 (Bernd Schneider) Slick racing tires are provided as well to complement the detail level of this kit. Being an almost 30yrs old kit and discontinued, they are now considered to be a collector's kit.

Serious modelers can always get one from eBay (although prices can be exorbitant) or if you are lucky, from a local overseas hobby shop (Hong Kong or Taiwan – in my case where I got this)

## THE ASSEMBLY

The contents of the kit are pretty straight forward, with each sprues individually labelled and the manual provided provides a brief introduction of the car history (typical Tamiya manual format)

Fit and finishing of the kit is as usual Tamiya standards where all parts fitted well without any issues or swearing(s) involved. The one big issue has always been the color as the manual states that it is a mix of Tamiya paints, but I have always wanted a simpler way to do it and all it took was a spray can to have this finish.

Aftermarket replacement decals were used here as the original decals have yellowed and did not survive the years of it being kept away. Detailed painting was carried out during the assembly of the kit.





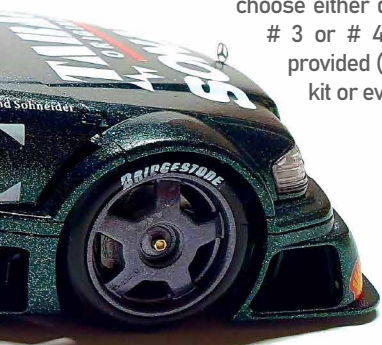
The body was sanded using a 2000 grit sandpaper (I used those found in DIY shops) to get rid of any mould lines and also to smoothen the body. A good throughout wash was then done over warm water and mild soap to get rid of any stains/oil etc. I then used Mr. Hobby's Mr. Surfacer 1000 grey primer on the body. The body was then sprayed evenly with 2 coats of Samurai's can spray color of Super Green (Color code # 1144) to achieve the metallic color as displayed with each coat at a 30mins interval. This might look different from the suggested color mixing in their manual, but I guess this could be one of the closest I try to get, using a cheap budget alternative.

Upon fixing the decals, the body was left to dry for 2 days before being clear coated. I use a cheap alternative (Anchor Clear spray) and applied 2 layers (one light and the other heavy) to get a polished look but in order to get mirror quality, this requires hard work where you have to wet sand the body (6k grit - 10k grit) but being a touring/racing car, I reckon you don't need to get a mirror effect finish as it is meant to be on the racing track and not in the showroom!

**“...an almost 30yrs old kit and discontinued, they are now considered to be a collector's kit.”**

**Decals:** As the kit was launched in 1995, the decals were yellowed and Tamiya decals which have yellowed and aged has a bad reputation (do take note) of cracking once the decal is dipped into room temperature water. Hence I had to source from online 3rd party ( in this case the brand was called Shunko) where you can get them from online shops like [www.spotmodel.com](http://www.spotmodel.com) (Europe) or [www.mediamixhobby.com.sg](http://www.mediamixhobby.com.sg) (Singapore)

The decals were easy to apply, and the body had no 'dead spots' or areas where extra caution or care is required to affix the decals. Truly a smooth process in applying them. As mentioned, you choose either decals for car # 3 or # 4 as they are provided (in the original kit or even 3rd party)



**Engine, Chassis, Cockpit:** Much to my delight, this kit comes complete with an engine bay detail and accurate air ducts. Assembly was a breeze, and you will not go wrong if you follow the manual accordingly. I did a layer of grey primer over the sprues prior to individual

painting to smoothen out the painting process and to ensure that the colors required do reflect accordingly especially if the original sprue is in black/dark colors and a lighter shade of color is required over it.



**Overall Summary:** A fairly easy kit to assemble with accurate fittings and no problems encountered during the entire assembly process. Typical Tamiya build and finish, highly recommended for Touring enthusiasts and collectors wanting a piece of 90s DTM history.

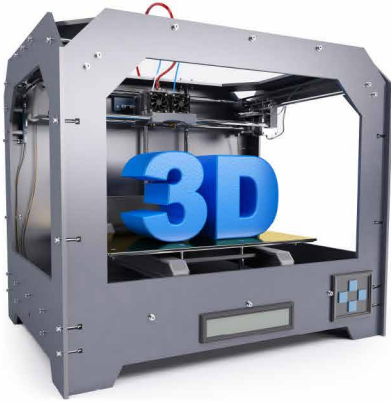
**TABAC ORIGINAL SONAX  
AMG MERCEDES  
Brand : Tamiya  
Scale : 1/24**





# The Emergence of 3D PRINTING & SCALE MODELLING

by Lucas Gan



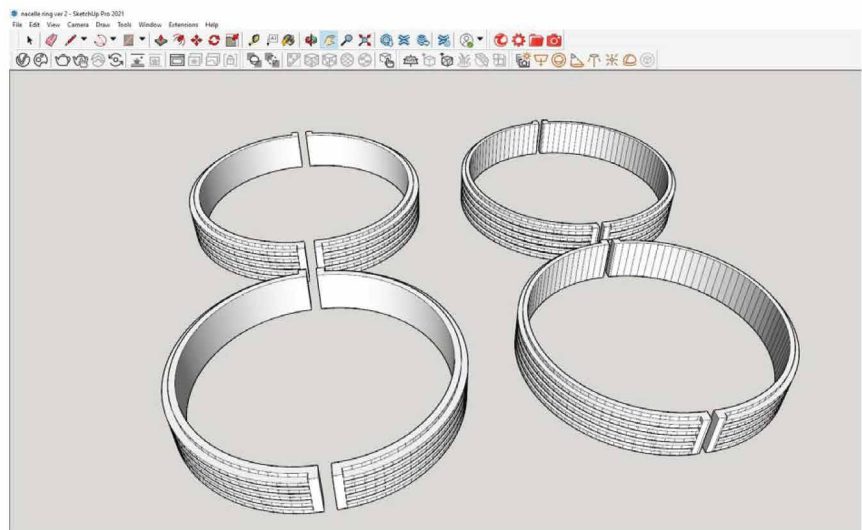
**D**uring the 90's when I started scale modelling at the age of 15. 3D printing was non-existent. The only way to create parts to my own liking were scratch building and the dirty little scale modelling secret techniques.

These days, 3D printing has evolved into a household item and the price for a 3D printer are very affordable. Coming from a non 3D background. I manage to master this skill with a few shortcuts while not owning a 3D printer.

If your friends own a 3D printer. You are sure to ask them to print some parts for you. End of the day, either the part comes after months later or the parts printed are not to your liking. The reason for this is one cannot rely on others when it comes to 3D designing as it is a very subjective matter. Shape and sizes are very important as there is about 5% +/- difference to every print that comes out. Even though you have measured accurately. Every single print will have its own flaws. Furthermore, the shrinkage and warping tend to appear after laying dormant for a while. This is probably due to curing technique used. For me, I just leave this problem to my printer supplier.

## Mastering The Art of 3D Designing

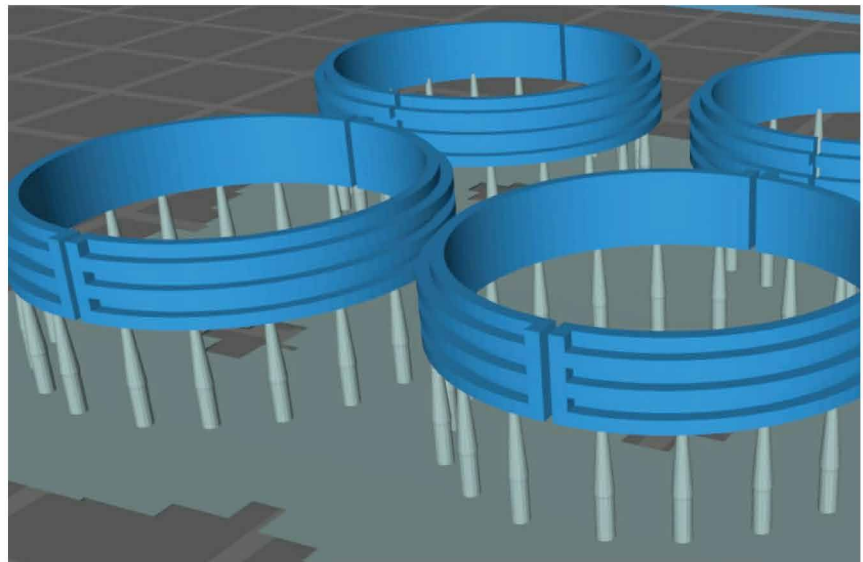
What made me venture into 3D designing was simple. I screwed up a part! Simple as that. After doing some research and asking around. I came to conclusion that Sketchup is the easiest way to go. How did I learn sketch up then? YOUTUBE! Basic courses of sketch up is everywhere on the internet. Sketch up in my honest opinion is a gem! Really simple to use and you do not need a super computer to run the program. My personal recommendation would be TheSketchUpEssentials channel on YouTube. Learn the basic's and you are free to let your imagination run wild. Sketch up is very straight forward and simple. Once you are done with your design. Remember to export it as .STL file. This file format is a standard for 3D printing.



▲ Drawing the parts in Sketch up

## How Do I Print It

Another shortcut I learned was thru Shopee. An example shop which I have used is AToZ CoolStuff on Shopee. Before submitting your purchase. Contact the shop. Send them your design and they will give you a quotation. Then choose your choice of material to print and pay. Now wait anxiously for your parts to arrive. The turn around time can be about a week.



▲ 3D file being sent to print on Shopee - AToZ CoolStuff



▲ 3D Printed part. Perfect!

### What material do I use for 3D printing?

Below are a few types of material available on AToZ CoolStuff

Tough Resin (ABS-like):

- Ideal for functional prototypes and mechanical assemblies
- Produces sturdy, shatter-resistant parts
- Has excellent resistance to cyclic loads
- Not suited for parts that require thin walls

Standard Resin:

- Fragile which has low impact strength
- Produces smooth surface finish
- Color affects its properties
- Low-cost SLA material that offers great quality at a low price, making it the ideal low-budget material.

Flexible Resin (Flexible-like):

- Ideal for functional prototypes and mechanical assemblies
- Resin that mimics the properties of rubber that drastically improve the tensile strength.
- High shrinkage and it tends bend to the desired shape after curing.

I would normally choose Standard Resin as they are very sand able and workable. The only downside is its somewhat crispy. Tends to break if over pressured. Therefore, always print more than one of the same item.

### The downside of 3D printing

The 3D printer is partly mechanical. Its like feeding A4 paper on your printer. Sometimes the printed results are perfect. Sometimes its not straight. Same concept goes for 3D printing. I had personally printed the same part 3 times and every time its slightly off.

### 3D Printer availability in Malaysia

To name a few brands. Creality 3D, Anet, Upbox, Ender, Phrozen..Etc. My personal favorite would be Phrozen. This is due to several friends having this printer and have only praise for it. It is also very user friendly and most important AFFORDABLE! Besides this, there are tons of support group on Facebook. I highly recommend Phrozen Sonic Mighty 4K LCD 3D Printer as the price is on the RM2K range and the results are simply breathtaking for scale modelling. There is no need to go to 8K printers unless you have major OCD.

### Conclusion

Does 3D printing have a future. Most definitely! Imagine you mastering the skill and producing aftermarket parts. Well, if you are full time on this. Might as well produce whole model kit to your liking. Now that's something to ponder about!

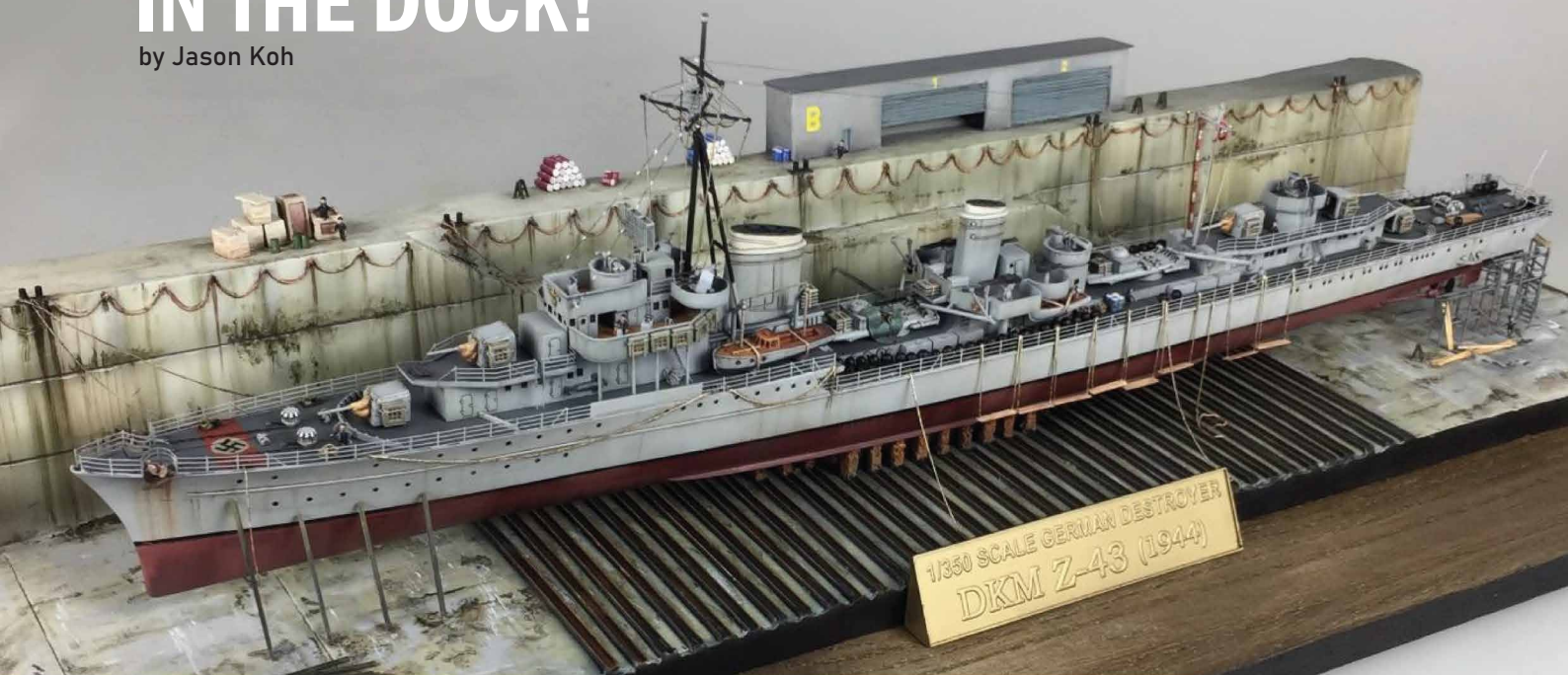
Various parts designed and printed on a 3D printer. ►





# KRIEGSMARINE ZERSTORER IN THE DOCK!

by Jason Koh



**M**y rendition of Trumpeter's 1/350 scale DKM Z-43 German Destroyer in dry dock undergoing repair and resupply. This is a nice kit of the World War 2 German Destroyer, Z-43. The kit builds up easily and fit is good throughout if not excellent, but some attention is required for the construction of the bridge and superstructures as they are built up by individual wall sections requiring a bit of care for proper fit and alignment. The kit includes basic photo-etch (PE) media comprising of generic rails, reels, radar, steps, ladders, gun shields, etc. and is reasonably adequate for an OOB build.

This ship, a destroyer type, carried many numbers of mines (approx. 74 full load). Unfortunately, the kit only provides you with 8 nos. of mines which is woefully inadequate. Because they are a characteristic load for this ship, I made more using epoxy putty and some plastic clay "Oyumaru" moulds (reusable).

Materials that make up this model and its base are primarily styrene sheets, styrene strips/rods, PE, 2-part epoxy putty, cork board, plaster, wooden board, foam board, styrene glue, super glue, foam glue, acrylic/oil/enamel/lacquer paints. Decals were used for the swastika only.

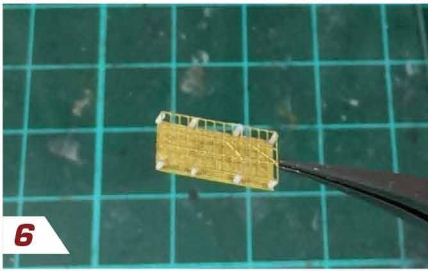
## Construction and Painting

The construction of the ship went easily and without fuss. During the construction I added many elements to bring the details up based on references and where I felt it was lacking. These include making the gun blast canvas bags out of 2-part epoxy putty, ropes, pallets, canvas coverings and other misc. items such as stowage, barrels, oars to clutter up the deck. (1, 2, 3, 4, 5)

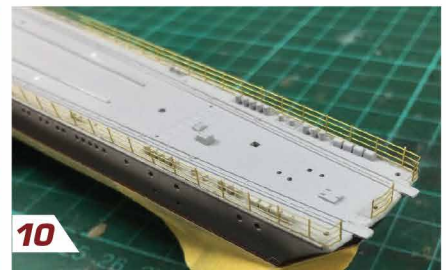




Even though the PE is from the kit and is basic, it still adds detail and is better than not having any at all. I added spacers to make the radar appear more dimensional instead of just gluing the pieces together as the instructions would have you do. Something else the instructions don't tell you is to add a core to the cable hose reels, easily done with styrene rods. (6, 7, 8)



The PE rails were a simple straight forward affair, requiring only a little bit of angle bending. I installed them by first taking measuring out the sections with a needle compass and then glueing them into place sections at a time, applying super glue along the joints with a thin brass wire held in a pin vise. When the super glue has dried, I scrape off any unsightly residues with a sharp blade. (9, 10)



### Painting and Weathering

Overall painting scheme is generally dark grey for the decks and light grey for the upper hull, super structure and rear mast. The tips of the funnels were painted white. Main mast was painted black as it looks like from references. Lower 1/5 of the main mast is painted light grey. Lower hull was painted a red tone mixture of hull red + red. Upper hull weathering comprised the usual washes and streaking of grime and rust. Lower hull was treated differently with sections of fading depicted using oil paints of varying red tones. (11)



For the aircraft identification swastika flag, I painted the red first, then I cut out a circular mask to paint the white circle. I used a decal for the swastika, 1/72 scale is just nice fit. (12, 13, 14)





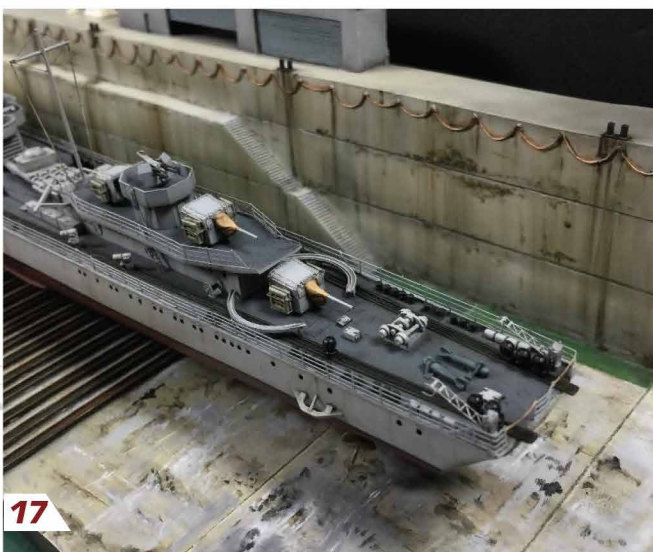
## MODELLER'S SHOWCASE

### Making The Dry Dock

The dry dock is constructed from foam and 6mm cork board with wooden board measuring 40cm x 12cm as the base. The warehouse is made from sheet styrene. The stairs are made layer by layer from styrene strips. The looping ropes (and practically all ropes & lines in the finished model) is made from 2 part epoxy putty. The ship rests on dry dock blocks which are made from cork board. The block tracks are made from strips of C-channel sections. (15)

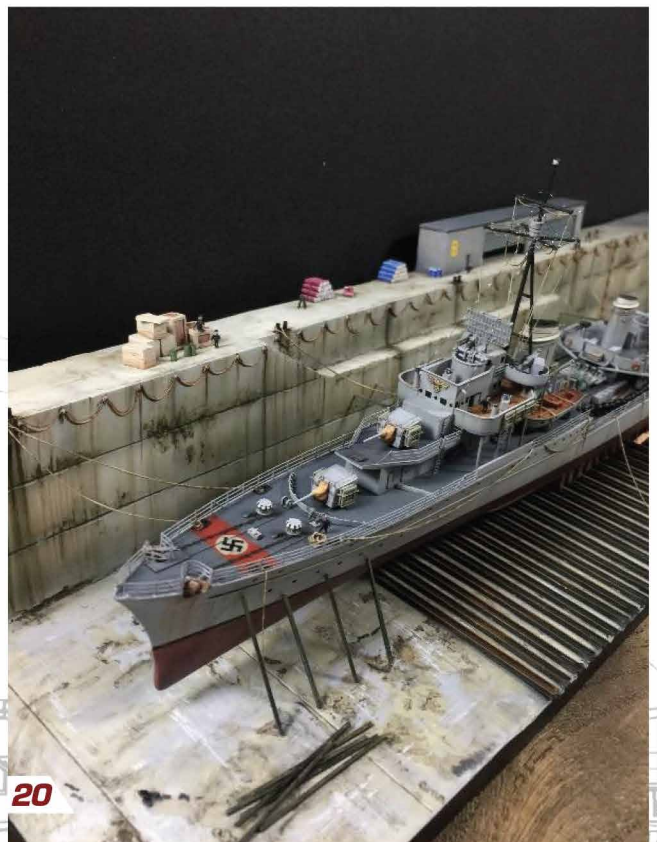


Painting of the dry dock started with grey primer followed by a dark pre-shade. After that the base coat is laid on in various shades and tones. Finally, I add weathering and details, with acrylic, oil and enamel paints, applied in layers. (16, 17)

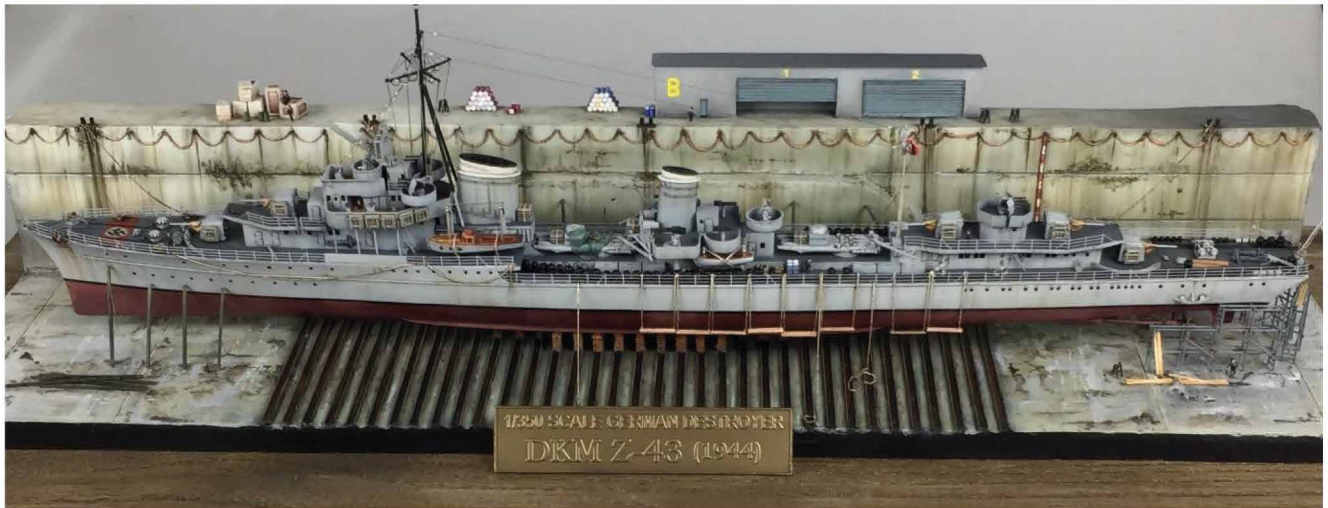


### The Finish: Putting It All Together and Various Details

Once the base is completed and the ship attached firmly on to it, I finished up the detail painting and added various typical items that are common place in a ship in dry dock scene such as crates, barrels, struts, scaffoldings, rope lines, and various planking. I also added the mast signal flag ropes and horizontal guy wire rigging at this time. Each mast had been rigged individually earlier. The ship's flag is made from epoxy putty teased into shape and its details painted on except for the swastika which is a decal from the kit. I also made some figures to populate the scene which further adds sense of scale and lived in. (18, 19, 20)













# FRIENDS OF



## **Hobby Scale Miniatures**

6677 (1ST FLOOR) Jalan Bagan Ajam,  
Taman Molek,  
13000 Butterworth, Pulau Pinang  
019-263 5328

## **Akina Hobby Shop**

62-A, Jalan Prima Saujana 1/1a,  
Taman prima saujana,  
43000 Kajang, Selangor  
010-553 5394

## **Infinite Creation Workshop**

29-3A, Jalan PJU 1/3b,  
Sunway Mas Commercial Center,  
47301 Petaling Jaya, Selangor  
012-321 6798

## **Angel Trend Trading**

59, Jalan Prima SG 3/1,  
Prima Seri Gombak,  
68100 Batu Caves, Selangor  
016-972 6983

## **PLA+ Studio**

126-1-10, 126 Metro Genting Kelang,  
Jalan Genting Kelang, Genting Kelang,  
53300 Kuala Lumpur  
019-383 6001

## **Area 88 Hobby Sdn. Bhd.**

52-1, Jalan Metro Pudu,  
Fraser Business Park,  
55200 Kuala Lumpur,  
Wilayah Persekutuan Kuala Lumpur  
03-2856 2815

## **The Hobby Store**

KOTA DAMANSARA, 21-3,  
Jalan PJU 5/10, Dataran Sunway,  
47810 Petaling Jaya, Selangor  
012-258 8127

## **CKTan Plamodel Shop**

Brem Mall, lot 4-12, 4th floor,  
Jalan Jambu Mawar,  
52000 Kuala Lumpur  
012-281 2805

## **The Little Hobby Shop**

Lengkok, 16A, Batu Lanchang,  
11600 Jelutong, Penang  
0 12-435 5299

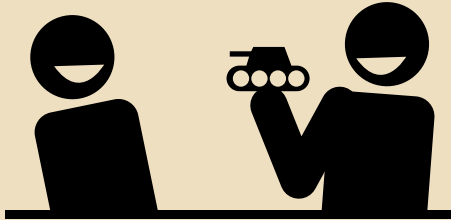
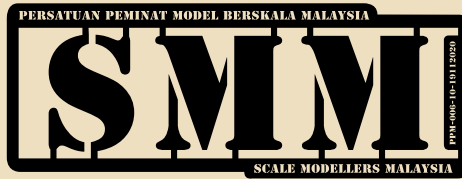
## **F-4DableModelsDirect**

P2.1, Block D, Lot No. D-59,  
72A, Jln Profesor Diraja Ungku Aziz,  
Jaya One, 46200 Petaling Jaya,  
Selangor  
03-7620 9824

## **World Hobby Miniatures**

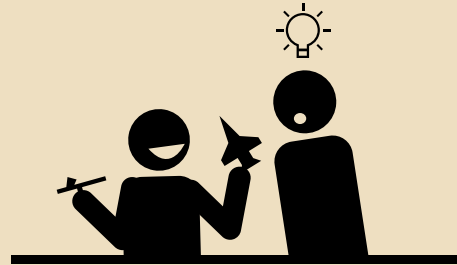
1st Floor, 413A, Jalan Burma,  
Pulau Tikus,  
10350 George Town, Pulau Pinang  
012-497 7712

# JOM! JADI MEMBER



## BERSANTAI

Jemputan eksklusif ke sesi sembang menyembang, groupbuild, pertandingan dan juga pameran di mana model anda akan menjadi tumpuan pengunjung dan rakan modeller.



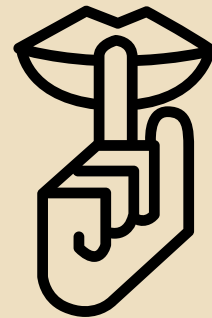
## BELAJAR

Pelbagai bengkel dan tips penghasilan model skala bertaraf dunia khas untuk ahli secara percuma.



## BERJIMAT

Menikmati lebih banyak diskaun eksklusif dari kedai-kedai hobi yang terpilih berdekatan anda.



## BERPAKAT

Demi kebahagiaan pasangan dan keluarga, member akan sentiasa bekerjasama merahsiakan harga sebenar model kit dan hanya mendedahkan harga yang "berpatutan" kepada pasangan member.

Muat turun BORANG PENDAFTARAN

↳ [https://drive.google.com/file/d/1wr47V\\_5ojkCBzT-hOACe589A6oDQ0qpi/view?usp=sharing](https://drive.google.com/file/d/1wr47V_5ojkCBzT-hOACe589A6oDQ0qpi/view?usp=sharing)

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