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£4.60 September 2020 ISSUE 299

**PACIFIC  
FLIGHTS**

Eduard's 1:48  
Grumman Hellcat  
in FAA Service



# Model MAGAZINE

INTERNATIONAL [www.tamiyamodelmagazine.com](http://www.tamiyamodelmagazine.com)



**UNE PROMENADE  
À LA CAMPAGNE**

Tamiya's 1:35 R35 French Light  
Tank in a scenic setting



**INSIDE...**

New 1:35 armour from Tamiya, ICM/Tamiya Panhard railcar diorama, Kinetic's  
1:48 EA-6B Prowler, plus new kits, books and modelling accessories...

DOUBLEDAY  
MEDIA





# KV-1

RUSSIAN  
HEAVY TANK  
MODEL 1941 EARLY PRODUCTION

1/35  
SCALE



THE  
HOBBY  
COMPANY  
LIMITED

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## A Weighty Adversary

German troops would have been high in confidence as they launched Operation Barbarossa in June 1941: the invasion of the Soviet Union followed successful campaigns in Poland and France. However, a Soviet fightback awaited and right in the thick of things was the KV-1 heavy tank. Now, the Tamiya 1/35 Military Miniature Series KV-1 gets a complete rebirth in this new kit which recreates an early production variant of the Model 1941 tank with 76.2mm ZIS-5 gun. Our designers got up close with the real thing for a highly realistic model, right down to detail such as the rough cast surface textures and the bulky suspension. Don't delay - get this heavy hitter into your 1/35 military model line-up!



Length: 198mm, width: 95mm



Rough cast texture is depicted with aplomb.



Assembly type tracks accurately render upper 'sag'.



Hatches and fender storage boxes can be assembled open or closed.



Commander torso figure included.

《2 MARKING OPTIONS INCLUDED》

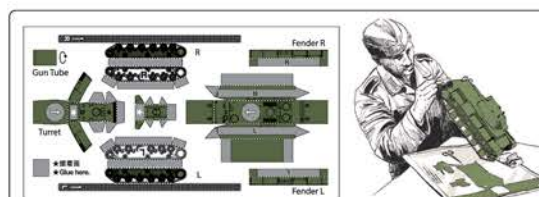


1st Tank Battalion,  
116th Tank Brigade



2nd Tank Battalion,  
116th Tank Brigade

### 1/35 Military Miniature Series Russian Heavy Tank KV-1 Model 1941 Early Production (Item 35372)



It is said that German front line troops were provided with wooden and paper models of the KV-1 in a scale of around 1/20, to help identify the tanks and formulate counter-strategies. This kit includes a version in miniature 1/35 scale on the painting guide to cut out and use in dioramas of tactical meetings and the like.

★Images show assembled and painted kit.  
★Product may vary from images shown.

Check Tamiya's homepage for the latest releases! [\[www.tamiya.com\]](http://www.tamiya.com)

**TAMIYA**  
TAMIYA, INC. 3-7 ONDAWARA, SURUGA-KU,  
SHIZUOKA 422-8610 JAPAN  
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Tamiya's 1:35 R35 light tank in a scenic setting



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Eduard's sublime 1:48 Grumman Hellcat Mk.I/Mk.II in FAA service



# Model MAGAZINE INTERNATIONAL

Issue 299 September 2020

**EDITORS** Brett Green, Alan Harman  
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## IN BRIEF...

### TAMIYA

- 1:14 RC Scania R470 (Silver Edition)
- 1:12 RC X-SA Lunch Box
- 1:10 RC 1991 Audi V8 Touring (TT-02)

[hobbyco.net](http://hobbyco.net)

### BELKITS

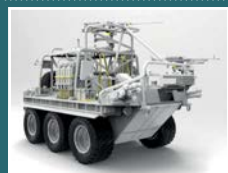
- 1:24 Renault Megane Maxi
- 1:24 Renault 5 Maxi Turbo
- 1:24 Renault Clio Maxi

[hobbyco.net](http://hobbyco.net)

### COPPER STATE MODELS

- 1:35 Minerva armoured car

[copperstatemodels.com](http://copperstatemodels.com)



### GECKO MODELS

- 1:35 ATMP WMK

[gecko-models.com](http://gecko-models.com)



### HK MODELS

- 1:32 Ju-52

[pocketbond.co.uk](http://pocketbond.co.uk)



### KINETIC MODELS

- 1:48 Harrier GR1/3, AV-8A

[luckymodel.com](http://luckymodel.com)



### MENG

- 1:35 Sagged wheels for 96K6 PANTSIR-S1

[creativemodels.co.uk](http://creativemodels.co.uk)



### MINIARM

- 1:35 Sagged wheels for Pantsir-S1

[miniarm.com](http://miniarm.com)



### MINIART

- 1:35 Soviet infantry tank riders set 2

[creativemodels.co.uk](http://creativemodels.co.uk)

### NUNU/PLATZ

- 1:24 Volvo 240 Turbo '86
- ETCC Hockenheim Winner
- 1:24 Delta S4 '86
- Sanremo Rally

[hobbyco.net](http://hobbyco.net)



### REVELL

- 1:144 US Navy Landing Ship Medium (Bofors)
- 1:720 Assault Ship USS Tarawa LHA-1
- 1:24 '78 Corvette Indy Pace Car
- 1:25 Camaro Concept Car
- 1:24 Mercedes-Benz 1017 LF16
- 1:57 Model Set X-Wing Fighter
- 1:57 Model Set Darth Vader's TIE Fighter
- 1:24 MS VW New Beetle (Easy-Click)

[revell.de/en](http://revell.de/en)



### RYE FIELD MODEL

- 1:35 T-34/85 Model 1944 No.174 Factory

[tigerhobbies.co.uk](http://tigerhobbies.co.uk)



### TAKOM

- 1:35 Pz.Kpfw.III Ausf.N mit schürzen

[pocketbond.co.uk](http://pocketbond.co.uk)



## NEW FROM TAMIYA 1:10 RC Volkswagen Type 2 'Flower Power'

Hit the hippy trail with this wonderful 'peace and love' VW microbus, based on the M-05 RC chassis!

[www.hobbyco.net](http://www.hobbyco.net)



## NEW FROM TAMIYA 1:10 RC Avante

The 2011 reboot of the iconic Avante is soon to return!

[www.hobbyco.net](http://www.hobbyco.net)



## NEW FROM EDUARD 1:48 Merlin Packard

Eduard's new Brass engine for their P-51D comes with all mountings, cowlings and accessories

[www.creativemodels.co.uk](http://www.creativemodels.co.uk)

[www.eduard.com](http://www.eduard.com)

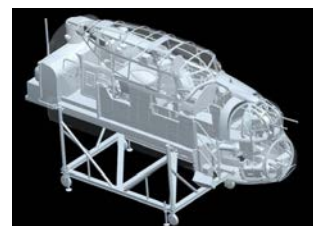


## NEW FROM EDUARD 1:48 Tiger Moth accessories

Airfix's new-tool 1:48 Tiger Moth gets new wheels in resin plus canopy masks courtesy of Eduard

[www.creativemodels.co.uk](http://www.creativemodels.co.uk)

[www.eduard.com](http://www.eduard.com)



## Avro Lancaster B Mk.I Nose Art Kit



## NEW FROM HK MODELS 1:32 Lancaster forward fuselage section

If the whole aircraft proves too hard to store, try this Lancaster B Mk.I nose-section kit

[www.pocketbond.co.uk](http://www.pocketbond.co.uk)



## NEW FROM KINETIC MODELS 1:48 IA 58 Pucará

This attractive twin-prop Argentinian attacker is on the way in 1:48

[www.luckymodel.com](http://www.luckymodel.com)







### NEW FROM MINIART 1:35 Soviet tankers

This beautifully sculpted Cold War era Soviet tank crew is moulded in conventional kit plastic  
[www.creativemodels.co.uk](http://www.creativemodels.co.uk)



### NEW FROM PLATZ - 1:24 Mitsubishi Lancer

The '82 Mitsubishi Lancer Turbo 'Rally of 1000 Lakes' is on the way soon in 1:24  
[www.hiroboy.com](http://www.hiroboy.com)



### NEW FROM REVELL 1:35 Leopard 1A5

The big German cat is rolling in soon from Revell in 1:35  
[www.revell.de/en](http://www.revell.de/en)



### NEW FROM REVELL 1:24 VW T1 Camper

Volkswagen's original RV is to be issued as a delicious 1:24 kit  
[revell.de/en](http://revell.de/en)



### NEW FROM TAKOM 1:72 Yamato 46cm turret

The WW2 Imperial Japanese Navy Yamato battleship is too big for 1:72, so how just about one of its main gun turrets?  
[www.pocketbond.co.uk](http://www.pocketbond.co.uk)



### NEW FROM RYE FIELD MODEL 1:35 M4A3 76W Sherman

This is an all-new kit that comes with a fully detailed interior  
[www.tigerhobbies.co.uk](http://www.tigerhobbies.co.uk)

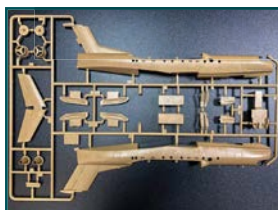
### NEW FROM ZVEZDA 1:72 mortar crew

This WW2 German 120mm mortar and crew comes with a 120mm Granatwerfer  
[www.hobbyco.net](http://www.hobbyco.net)



### NEW FROM ZVEZDA 1:144 Beriev Be200ES

This sleek Russian flying-boat makes a superb subject for a new-tool model kit  
[www.hobbyco.net](http://www.hobbyco.net)



### COMING SOON FROM EDUARD

- Brassin 1:32 Consolidated B-24D/J Liberator wheels nine-spoke (for Hobbyboss)
  - LööK 1:48 Mikoyan MiG-21MF (for Eduard)
  - LööK 1:48 Lysander Mk.III (for Eduard)
  - Brassin 1:48 CPU-123 Paveway II
  - Brassin 1:72 R-3R missiles for MiG-21 (for Eduard)
  - Brassin 1:72 MiG-21PF cockpit (for Eduard)
  - Brassin 1:72 Mikoyan MiG-21PF ejection seat (for Eduard)
- [www.creativemodels.co.uk](http://www.creativemodels.co.uk)  
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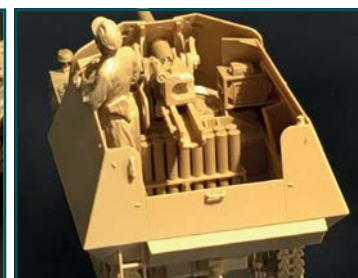


## NEW KITS COMING FROM TAMIYA!

Tamiya has some cool new, reworked and re-issued kits on the way, including a 100% new 1:35 Marder I tank-destroyer and 1:24 'Campus Friends' set

### 1:35 GERMAN TANK DESTROYER MARDER I (35370)

The Marder I was based upon the French Lorraine supply tractor. It was one of a number of commandeered vehicles pressed into German service. Around 170 were produced from May 1942 and their 7.5cm Pak-40 anti-tank gun was a threat to Allied armour in the Battle of Normandy and also on the Eastern Front and even North Africa. Tamiya's designers worked up close with a specimen in the Musée de Blindés at Saumur in France and the result is a highly accurate depiction of the compact chassis and overhanging armour, complete with rivet and weld line details.



#### KIT SPEC

- Interior features gun-breech detail, sighting gear, racks, radio equipment and more
- Link-and-length tracks have single-piece straight sections
- Two figures and three markings are options included, two from Normandy and one from the Eastern Front



### 1:24 CAMPUS FRIENDS SET 2 (24356)

1983 saw the release of the original 1:24 Campus Friends Set, a collection of five figures and a scooter that was most useful to modellers given the adaptability of the figures to a range of accompanying models. Now, Tamiya has brought that concept into the modern day with newly-scanned figures, paired with a range of accessories more appropriate to the 2020s, with plenty of options to choose from.



#### KIT SPEC

- Five figures are included: four female, one male, designed using 3D scanning techniques
- Natural poses include a figure taking a selfie
- Modern accessories include guitar case, coffee cup, smart phone and various bags



### 1:20 Fiat 131 Abarth Rally Olio Fiat (20069)

The real car was an Abarth-tuned version of the Fiat 131 Mirafiori with a 215hp two-litre engine; it was extremely lightweight thanks to extensive use of fibre-glass and aluminium across its body. It made a rally debut in 1976 and took titles in '77, '78 and '80. This is the first re-issue for the venerable Tamiya kit in twenty-one years and the first time with this new livery.



#### KIT SPEC

- Features a detailed replica of the two-litre engine, roll cage-equipped interior, suspension and even the boot interior
- High quality Cartograf decals
- Comes with driver and co-driver figures



## 1:35 GERMAN TANK PANZERKAMPFWAGEN IV AUSF. F (35374)

The Pz.Kpfw.IV Ausf. F had reinforced armour and updated hull designs, as well as an L/24 75mm gun. Around 460 rolled off of the production lines, serving on the Eastern front as Nazi Germany grappled with the Soviet Union and in North Africa. In-depth research at the German Tank Museum in Munster contributed to this highly accurate kit, which features brand new parts across the board (only the lower hull and wheels are existing mouldings, seen in sand yellow plastic here).

### KIT SPEC

- Link-and-length tracks capture the main Ausf.F design with lightened centre guide sections, assembly jig included
- Two types of engine deck hatch, with or without louvre
- Comes with commander, gunner and loader figures plus markings for two Eastern Front vehicles



## ALSO COMING SOON FROM TAMIYA



## 1:24 LOTUS EUROPA SPECIAL (24358)

The Europa - manufactured between 1966 and 1972 - was a lightweight masterpiece of a sports car packed with features more likely seen on a racing car: a sleek, low body, mid-mounted engine and fibre-glass frame components. This is a welcome first re-issue in ten years for Tamiya's model of the Lotus Europa Special (previously Item 24212) and it includes a number of updates to the kit.

### KIT SPEC

- The engine can be viewed after completion, with new air funnels
- New parts for a rear wing and RS Watanabe option wheels
- Features redesigned decals plus new photo-etched front grille, seatbelt stickers with Lotus logo, emblems and mirror surfaces as metal transfers

## 1:24 LOTUS SUPER 7 SERIES II (24357)

The Super 7 is a legendary kit-car that spawned legions of fans since its release in 1957 and it lives on today, manufactured by Caterham. Lotus developed and sold 'Seven' cars first, however, and the souped up Super 7 version of the car was powered by a four-cylinder, 1.3-litre Ford Cosworth engine, achieving a top speed of over 160km/h. Simple yet effective designs such as rack-and-pinion steering and drum-brakes made its assembly accessible to the home constructor.

### KIT SPEC

- Features a realistic recreation of the Ford Cosworth engine under the opening bonnet
- Decals have been redesigned for this model, and also included are a new choice of seatbelt stickers.
- Choose whether to assemble as a road car, or a Clubman racer (with dedicated racing screens and roll bar)



## 1:72 Lockheed Martin F-35B Lightning II (60791)

This 1:72 scale model was manufactured by Italeri in 2019 and now joins the Tamiya 1:72 scale War Bird Series with the addition of Tamiya extras.

### KIT SPEC

- Comes with new packaging and instruction manual designed by Tamiya, plus a brand new Tamiya figure and decals for markings and panel lines
- Markings are included to depict a choice of two F-35Bs at the US base in Iwakuni, Japan



## 1:12 PORSCHE 935 MARTINI (12057)

This is a welcome - and updated - re-issue of this classic model (previously Item 12038) of the Porsche 935 Martini, with new decals.

### KIT SPEC

- New, high quality decals by Cartograf
- Includes photo-etched brake disc, bonnet catch and side radiator parts, plus metal antenna



## KIT PREVIEW

EDUARD 1:48 SPITFIRE STORY: THE FEW ● KIT NO.11143



Two whole Spitfire kits will be found inside the elegant, portrait-format box

# A FIRST LOOK AT ONE OF THE FEW

Eduard's new-tool 1:48 model of the Supermarine Spitfire Mk.I promised to be a landmark model of this iconic machine. The first, limited edition 'Spitfire Story: The Few' release arrived recently and we were keen to take a close-up look at the kit parts...

**E**duard are known for their no-compromise, high-tech kits of classic warbirds and the Spitfire Mk.I has recently joined their line-up of Mustangs, Bf109s and Fw190s. This boxing comprises two whole Spitfire models, each provided with a full complement of decals, photo-etched brass and self-adhesive canopy masks.

Upon handling the fuselage parts, the first aspect that becomes apparent is the hundreds (thousands?) of minuscule raised rivets that cover the surfaces, rearwards from the cockpit area. They feel quite prominent to the touch and in the close-up photos with this review, they appear a little large. But in practice, once the model has been built, painted, decalced and weathered, the rivets become much less discernable and add a wonderful extra layer of detail to the model.

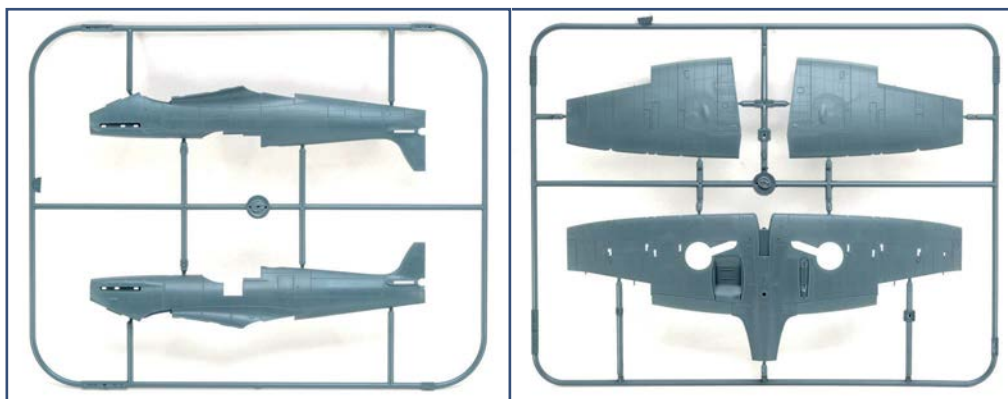
As always, there is a whole suite of add-ons on the way for this kit, but from this quick look at the 'basic' parts, it looks like it will built into a magnificent replica with nothing extra added. Full-build review coming to TMMI soon. ●

Eduard models and accessories are widely available from good model shops and online.  
[www.creativemodels.co.uk](http://www.creativemodels.co.uk) [www.eduard.com](http://www.eduard.com)



Built-up model by Robert Szwarc  
[www.eduard.com](http://www.eduard.com)





Fuselage and wing halves on their spacious sprues, moulded in Eduard's familiar blue-grey polystyrene

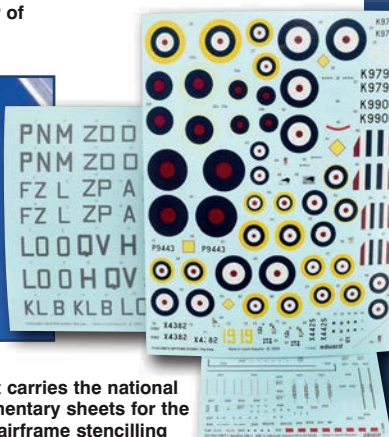


Above left: close-up of the engine cowling, showing the prominent circular fasteners that are such a distinctive feature of the Spitfire. Above right: Eduard have incorporated raised, dome-headed rivets in all the right places on this kit. In this extreme close-up view they appear a little large, but under a layer of paint, decals and weathering they have the potential to look very realistic

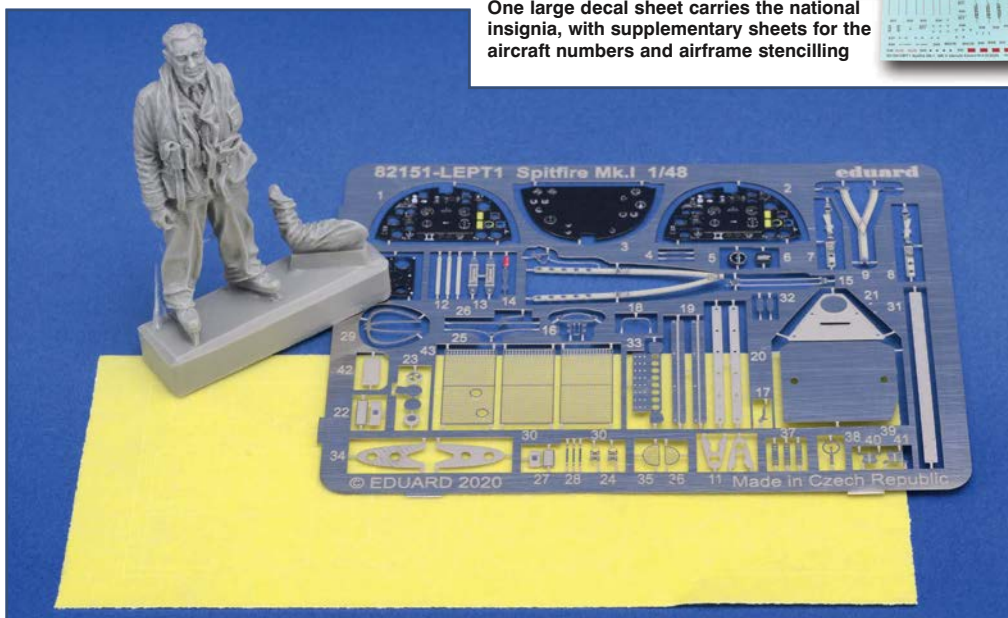
The outlets of the exhausts have been moulded 'open'



Multiple options are provided for the canopies



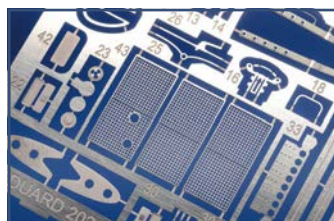
One large decal sheet carries the national insignia, with supplementary sheets for the aircraft numbers and airframe stencilling



In this limited edition release, a 1:48 resin figure of F/Lt Douglas Bader will be found in the box, along with photo-etched detail parts and a sheet of pre-cut canopy masks



The instrument panel is pre-painted with dials under tiny domes of clear varnish



A Sutton harness and radiator grilles will also be found on the photo-etched sheet



The resin figure of F/Lt Douglas Bader in close-up

## Eduard's Spitfire Mk.I markings-options:



K9795, No.19 Squadron, RAF Duxford, Cambridgeshire, October 1938



No.41 Squadron, RAF Catterick, North Yorkshire, Spring 1939



K9906, flown by F/O Robert Stanford Tuck, No. 65 Squadron, RAF Hornchurch, Essex, Summer 1939



K9955, flown by F/O Archibald Ashmore McKellar, No.602 Squadron, RAF Drem, East Lothian, Scotland, March 1940



N3180, flown by P/O Alan Christopher Deere (RNZAF), No.54 Squadron, RAF Hornchurch, Essex, May 1940



P9443, flown by F/Lt Douglas Bader, No.222 Squadron, RAF Duxford, Cambridgeshire / Kirtlington, Lincolnshire, early June 1940



K9953, flown by F/Lt Adolph Gysbert Malan, No.74 Squadron, RAF Hornchurch, Essex, June/July 1940



X4425, flown by F/Sgt. George Cecil Unwin, No.19 Squadron, RAF Fowlmere, Cambridgeshire, August/September 1940



N3162, flown by P/O Eric Stanley Lock, No.41 Squadron, RAF Hornchurch, Essex, United Kingdom, August/September 1940



X4382, flown by P/O Osgood Philip Villiers Hanbury, No.602 Squadron, RAF Westhampnett, West Sussex, September 1940



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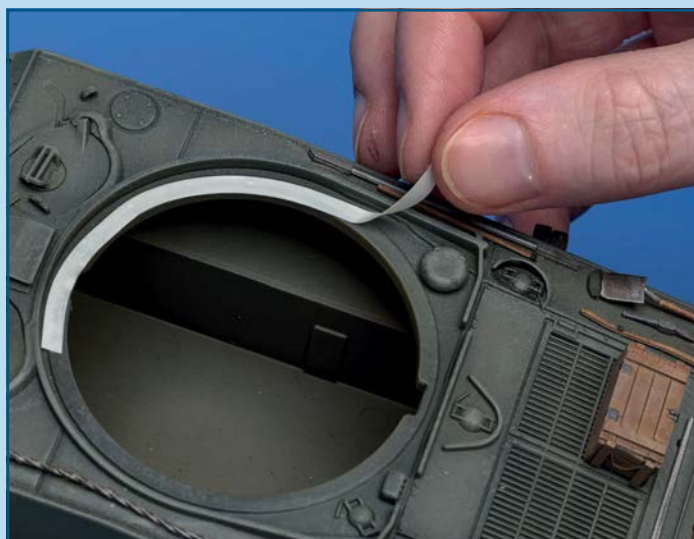
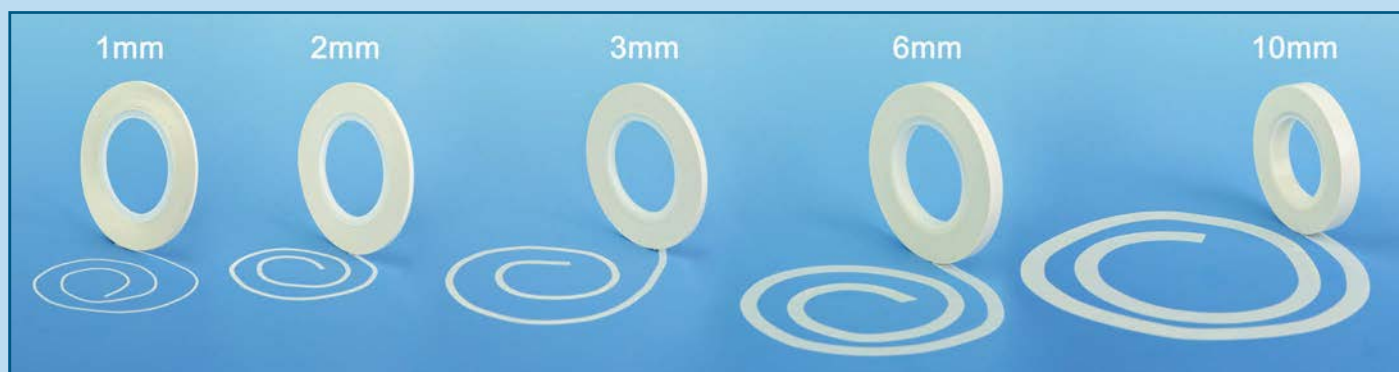
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FULL-BUILD: WORLD WAR TWO ARMoured RAIL VEHICLE  
TAMIYA/ICM 1:35 P204(F) GERMAN ARMoured RAILWAY VEHICLE ● KIT NO.32413

# LEAVES ON THE

**Jean-Claude Vancracynest** builds the P204(f) armoured railway car in 1:35 from Tamiya, a cooperative project with ICM, complete with figurines and accessories





# E LINE!



**A**t the beginning of the 20th century with its vast colonial empire requiring an increased military presence for the maintenance of law and order, the French state requested the development of an armoured and armed vehicle for rapid reconnaissance.

It was the 'Panhard' firm which came up with the best solutions to the requested specifications. There would follow a whole series of vehicles based on civilian cars, militarised by the addition of thin armour and light weaponry. The studies would lead to the first wheeled armoured car, the Panhard 165, a vehicle of 6.75 tons, armed with a 37mm cannon and a 7.5mm machine gun.

This Panhard's great innovation was its rear driving position, which allowed the unit to withdraw quickly from combat zones. The vehicle underwent constant transformations, leading in 1932 to the AMD175 (Auto Mitrailleuse Découverte), deployed in all the French colonies. Several modifications were made to optimise its function as a reconnaissance vehicle: a 25mm anti-tank gun with significantly greater ballistic power than its predecessor, plus a new exhaust that made it much quieter. These improvements resulted in the AMD 35 version.

In May 1940, thanks to its great mobility and its weaponry, it would prove to be very effective in the face of the wave of panzers. The Germans were impressed too, recovering almost all the examples that fell into their hands and using them under the designation 'Panzerspähwagen P204(f)'.

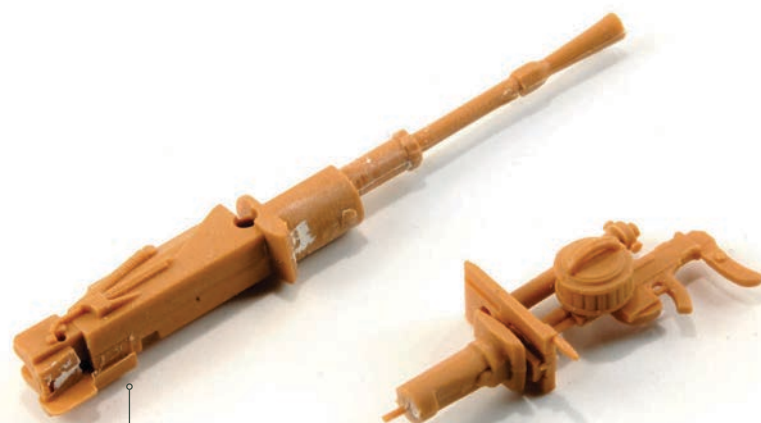
Out of a total of 200 vehicles captured, forty were converted to this railway version and sent almost entirely to the Eastern Front to secure the rail network and to support armoured trains. We will find P204 (f) until the end of the conflict on German railways too. 🗡️

## Building and painting the Panzerspähwagen P204(f)

The two drivers' stations – front and rear – are full of detail and will be clearly visible if you install the hatches open. To facilitate handling, the author chose to fix the fan in its housing rather than on the engine



It would have been a shame to hide this beautiful powerplant!



Small dabs of modelling filler were used to close up some minor gaps on the guns



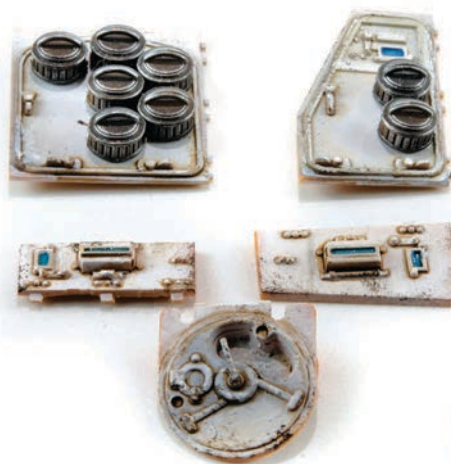
# FULL-BUILD: WORLD WAR TWO ARMoured RAIL VEHICLE

TAMIYA/ICM 1:35 P204(F) GERMAN ARMoured RAILWAY VEHICLE ● KIT NO.32413

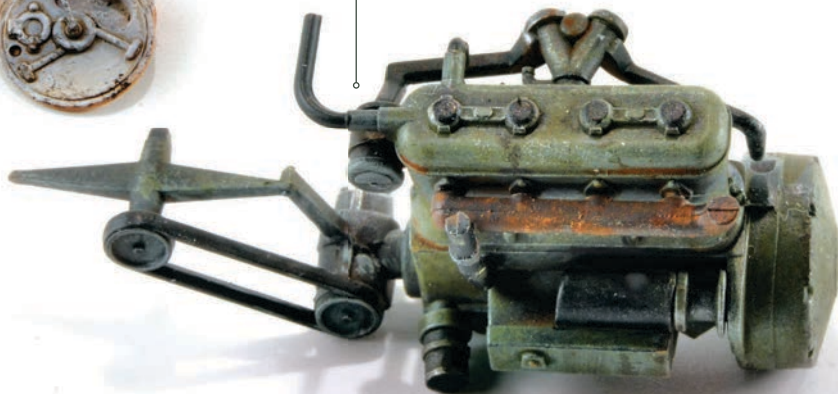
## OPEN THE DOORS!

This kit is a rework of the ICM model released in 2017. Tamiya added three sprues, two for figures and one for accessories and weaponry. The two figures – an engine commander and an over-coated infantryman – seem to be the 1:16 scale miniatures of the series reduced to 1:35, which bodes well for fine detail. The vehicle is a great success, in particular for the rendering of the omnipresent rivet lines on the hull and the turret. The AMD35 aka P204(f) features several types of rivets.

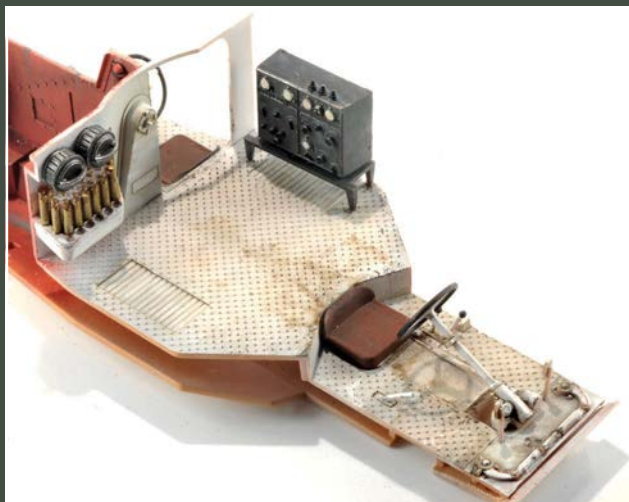
It's impossible to resign oneself to closing up the hull hatches, although having them open does not really ease the assembly as it will be necessary to plan the stages of painting and weathering of the interior fittings.



At this stage, all the painted and weathered armament parts were installed separately, including the hatches



The colour chosen for the engine (XF-67) was not necessarily the right one, but the author wanted to achieve a fairly marked contrast with the exterior



Even if the conditions are not those of a battlefield, the interior patina should not be neglected



All the details of the cockpit were highlighted with a black colour-wash then lightly drybrushed in pure white

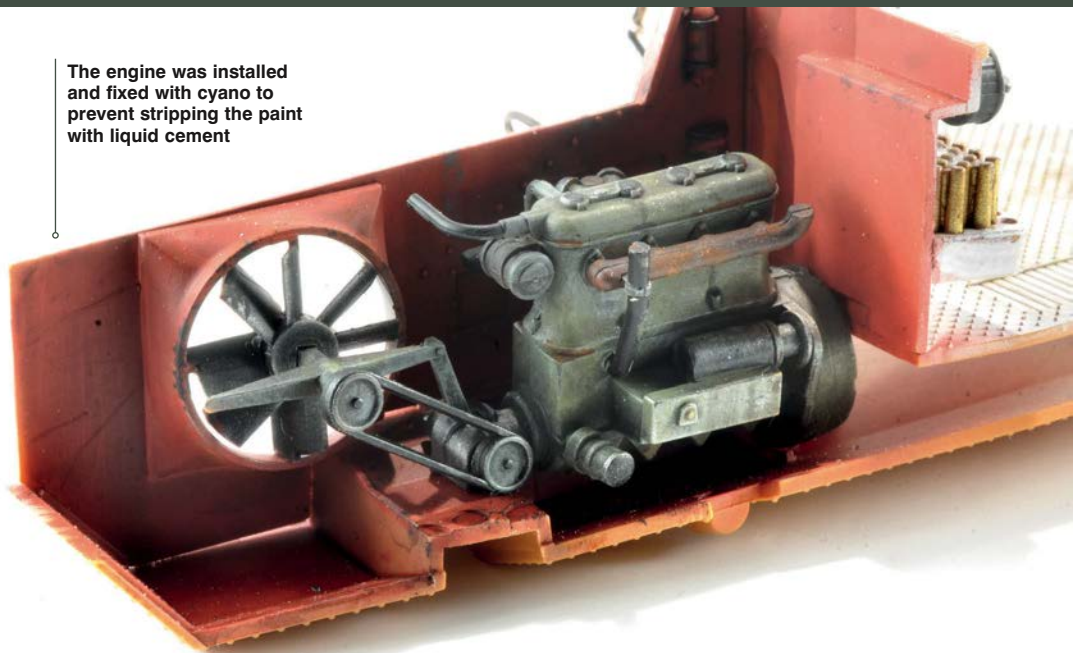
## WHEELS TO IDENTIFY

Rail wheels are supplied in duplicate (for two P204s) as they are on the same sprue as the rails and sleepers and Tamiya provides more track length than in the original ICM kit. The assembly of the wheels is very simple but it is essential to identify them because each has its own location.

## PAINTING THE PANHARD

I opted for an overall dark yellow livery which best highlights the rivets and edges of the vehicle. Tamiya offers us three markings-options, including one on a yellow base.

The engine was installed and fixed with cyano to prevent stripping the paint with liquid cement







The assembly of the top and the bottom of the hull is difficult but it is achievable! All openings are blocked off and the exterior then pre-shaded with XF-10 Flat Brown



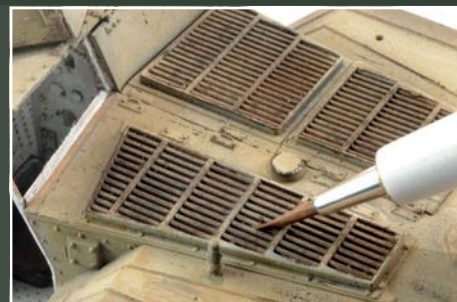
The basic hull colour was AK interactive's 'Dunkelgelb' acrylic. Three shades were used: AK713, 714 and 009. These are three tones which allows one to achieve a beautifully graduated effect



Scuffing was focused on the panel edges using the 'Rotbraun Shadow' by AK Interactive



The author applied several yellow ochre and cadmium yellow oil paint filters, the latter being used more for the centre of the panels



Some rain drips were created with 'Winter Streaking Grime' to enhance some details

## Creating the scenic display

The section of railway provided is very well done, with sleepers whose wood grain is remarkably well executed. I opted for a small-sized vignette to highlight the vehicle and the characters facing it. I let you discover the main stages of its realisation in the accompanying photos!

Tamiya once again offers us a kit box containing practically everything needed for a scenario of the vehicle. In addition, the subject matter is original and the ICM base kit is really high quality, so there's no reason not to take advantage of it! ●



Over an expanded polystyrene foam base, the author spread a thin layer of tile adhesive, dyed in the mass with brown pigment powder



First colouring of the ground: a light drybrushing with XF-52 Flat Earth



The track section comes from the kit and the ballast is from the Falter railway environment range



## FULL-BUILD: WORLD WAR TWO ARMoured RAIL VEHICLE

TAMIYA/ICM 1:35 P204(F) GERMAN ARMoured RAILWAY VEHICLE ● KIT NO.32413



The ballast was painted with XF-53 Neutral Grey, an operation facilitated by the absorbent property of the groundwork material



For short grass, the author used sawdust glued with matt varnish and tinted (by capillary action) with XF-61 Dark Green



A few tufts of plumbing twine were arranged to simulate weeds, then coloured with the same technique as for the grass



The rails were heavily weathered with graphite, burnished with an artist's stump, concluding the creation of the base

**“Out of a total of 200 vehicles captured, forty were converted to this railway version and sent almost entirely to the Eastern Front to secure the rail network and to support armoured trains..”**







## TECHSPEC...

### TAMIYA/ICM 1:35 P204(F) GERMAN ARMoured RAILWAY VEHICLE KIT NO.32413

#### Materials;

Injection-moulded polystyrene, polycaps, photo-etched metal, synthetic rubber tyres, waterslide decals

#### Paints used:

- Tamiya Acrylics: XF-1 Flat Black, XF-2 Flat White, XF-10 Flat Brown, XF-52 Flat Earth, XF-53 Neutral Grey, XF-57 Buff, XF-58 Olive Green, XF-61 Dark Green, XF-67 NATO Green, XF-64 Red Brown, X-12 Gold Leaf, retardant 87164.
- AK Interactive: Flesh and Skin colour Set AK3010, Red Primer AK180, Dunkelgelb aus 44 AK713, Dunkelgelb aus 44 AK714, Dunkelgelb AK009, Rotbraun Shadow AK168

#### Accessories used:

- Wolf: Armour mechanic (WSH 27)
- Faller: 170745
- Gunze Sangyo: Engine with mechanics (G798)

#### Availability;

Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; [www.hobbyco.net](http://www.hobbyco.net)



**FULL-BUILD: WORLD WAR TWO ALLIED AVIATION**  
**EDUARD 1:48 GRUMMAN HELLCAT MK.I/MK.II DUAL COMBO ● KIT NO.8223**







# ***WORN AND WEARY IN THE PACIFIC:***

## ***A FLEET AIR ARM HELLCAT, 1944***

By 1943, it became apparent to the British Fleet Air Arm that their carrier-based fighters were incapable of fulfilling all the requirements demanded of them. An aircraft possessing the required performance, a robust construction and adequate range to operate from the decks of carriers was sadly lacking. **Jan Abrahamsson** builds Eduard's superb 1:48 'Dual Combo' kit



## FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

EDUARD 1:48 GRUMMAN HELLCAT MK.I/MK.II DUAL COMBO • KIT NO.8223

The American Hellcat was selected to replace the Wildcat and from the end of 1944, the FAA Hellcat activity shifted to the Pacific. Along with the British Pacific fleet, combat operations in 1944-45 were centred in the vicinity of Malaysia, eastern India, Sumatra, supporting American landings on Okinawa, where Hellcat pilots engaged ground, sea and air assets of the enemy, most often protecting Allied shipping from Kamikaze attacks and denying enemy reconnaissance attempts.

### WHAT OPTION TO BUILD?

The British aircraft carrier HMS Indomitable was engaged in Pacific operations in the Indian Ocean from July, 1944. On August 24, 1944, 'Operation Banquet' saw attacks on Palembang and vicinity, including local refineries. These actions saw the participation of Hellcat aircraft FN430, piloted by P/O Hannay and I chose to model this specific aircraft for this project.

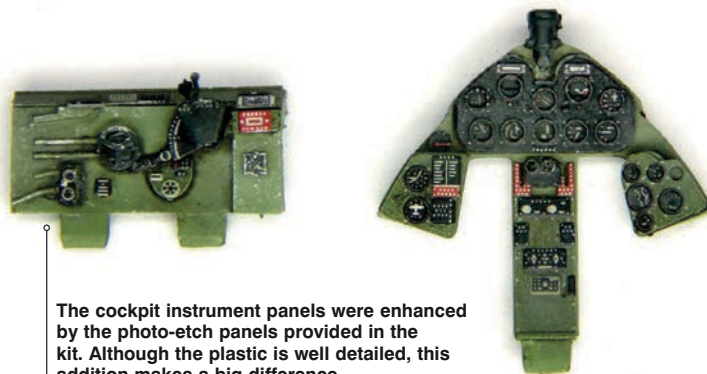
### CONSTRUCTION AND DETAILING

The Eduard Hellcat Mk.I/Mk.II kit builds into an excellent replica of this historic fighter. The kit overall surface detail is

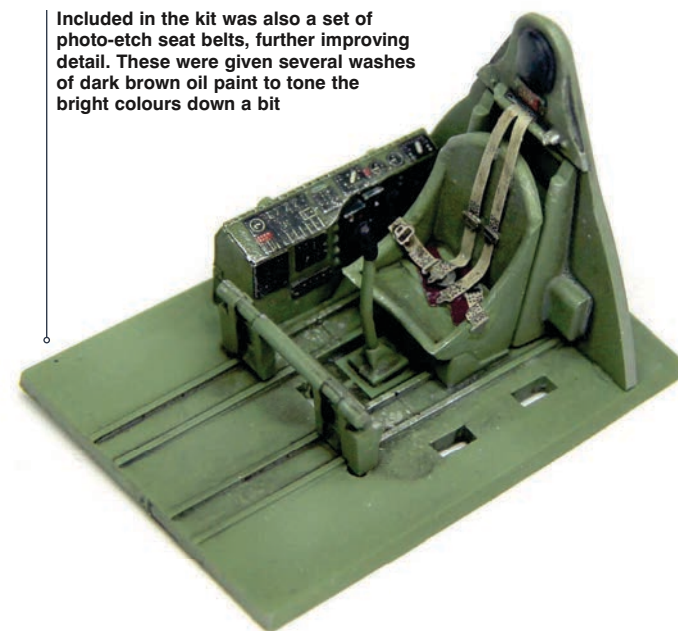
crisp and sharp, with all the major panel lines represented. Rivets are present on some select areas. The plastic is relatively soft, which makes it pleasant and easy to work with. The clear parts are thin and free of distortion.

Even though the Eduard kit has good surface detail, I still felt I needed to add full riveting detail across the fuselage to better capture the look of the aircraft. Using scale drawings from several sources I was able to accurately position the rivet lines, using Dymo tape and a riveting tool. The addition of rivets also gives us a good foundation for weathering in the later project stages.

The Eduard cockpit is very well detailed and only needs careful painting, the only thing added being were Eduard photo-etch seat belts. Once the rivets were in place and the cockpit built up, the rest of the model was quickly assembled with no issues whatsoever. A real pleasure to build. Eduard also provides us with a very nice engine which was painted in Humbrol metallics and heavily weathered. Parts of the engine will be visible though the cowl opening so it is worthwhile to spend some time on detailing this part. ▶



The cockpit instrument panels were enhanced by the photo-etch panels provided in the kit. Although the plastic is well detailed, this addition makes a big difference



Included in the kit was also a set of photo-etch seat belts, further improving detail. These were given several washes of dark brown oil paint to tone the bright colours down a bit

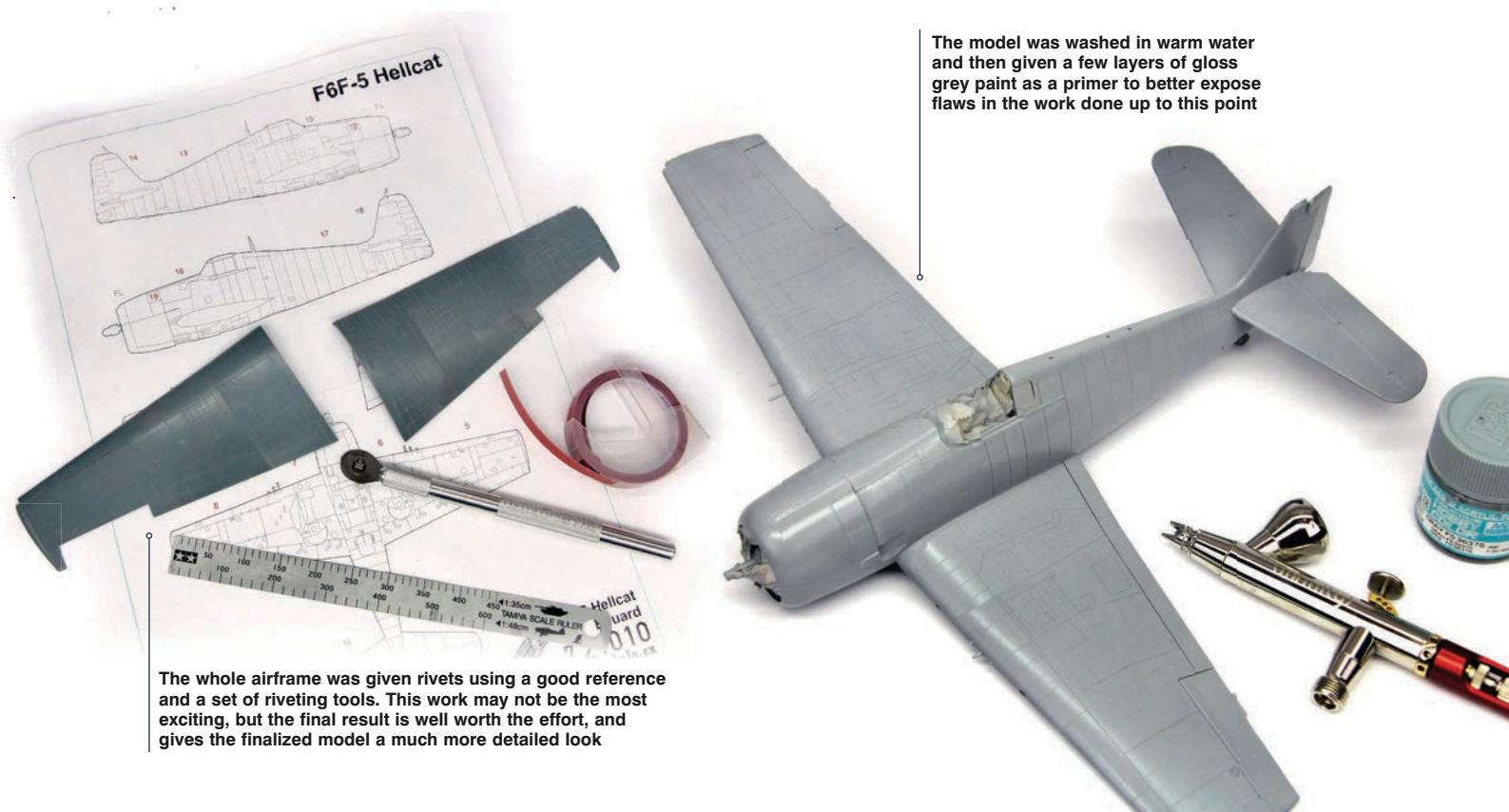
The various cockpit parts went together very well, with a nice and tight fit. No need for any adjustments or extra work whatsoever



The engine included in the kit is a very nice replica of the real thing. Not much will be seen after completion though. Still, it was painted in various metallics and weathered with oils for a nice well used effect







The model was washed in warm water and then given a few layers of gloss grey paint as a primer to better expose flaws in the work done up to this point

The whole airframe was given rivets using a good reference and a set of riveting tools. This work may not be the most exciting, but the final result is well worth the effort, and gives the finalized model a much more detailed look

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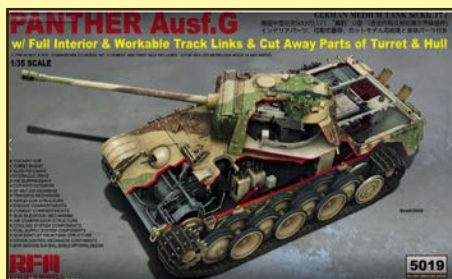
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## FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

EDUARD 1:48 GRUMMAN HELLCAT MK.I/MK.II DUAL COMBO • KIT NO.8223

### PAINTING A WORN AND WEARY PACIFIC HELLCAT

I wanted to create a heavily weathered model, serving at sea in the Pacific and I was fortunate enough to find several colour photographs of Hellcats in FAA service in this region. I was struck by how heavily weathered and worn they looked, even though they served on an aircraft carrier deck. The camouflage colours were severely faded and varied and looked grimy and full of dirt spots and chipping.

The cockpit was painted in interior green, then given several washes of brown and black oil paint, followed by chipping with Humbrol metallics. I use raw/burnt umber oil paint for the dirty and dusty floor sections and black/sepia for the grimy walls and instrument panels. The Eduard metal seat belts were painted with brown oils to tone them down to match the muted colours in the cockpit.

### THE MAIN PAINT JOB

The model was primed in a light grey Tamiya paint, which exposed some flaws that needed further sanding and polishing. This was fixed and further primer paint layers were put on. Pre-shading was then applied in several steps. First all panel lines and structural components were shaded with black paint. As a second step the open areas where heavily scribbled with black paint to create a marbled effect, which gives a perfect base for the worn and varied paint job to follow.

I then sprayed very thin layers of Mr Color 'Sky' colour on the lower surfaces, gradually building up the effect I was after. This time I overdid the pre-shading effect intentionally, to give a bit more dramatic effect, in line with what I saw in the colour photographs used as reference.

To capture a convincing look of the FAA camouflage colours I felt needed to do some extra research and effort. I struggled to find shades that I felt matched the photos and I experimented with different mixes of Gunze paint until I felt I had the right tones of grey and olive drab.



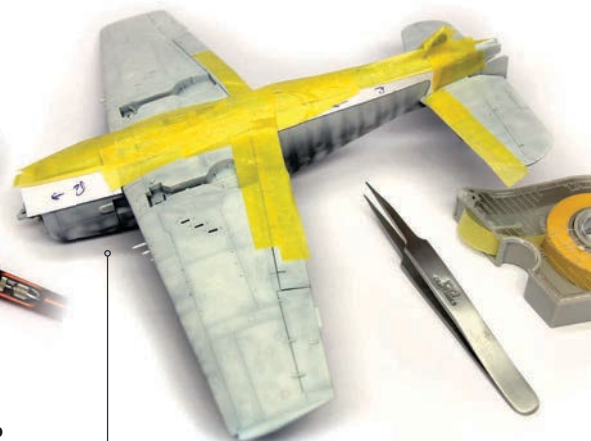
To prepare for a well-worn final finish, some time was spent on pre-shading the upper and lower airframe. White paint was scribbled inside the panels to increase the tonal variation



Very thin layers of the Sky paint was sprayed over the pre-shading to better determine how much of the dark paint should show through, and where. Go slow at this stage to best understand where to place the final paint coats for the best effect



The final layers of Sky paint were then prayed on to achieve the desired result. The paint mix was gradually lightened with white for increased tonal variation



To prepare for the painting of the upper surfaces, the kit was masked with Tamiya tape. It was decided to keep a sharp demarcation between the upper and lower camouflage, based on the colour photographs



The olive drab camouflage paint was sprayed on freehand, using Gunze paints. The colour was kept on the pale side, to better show a faded and worn surface



The dark grey was also mixed from Gunze paints and sprayed on in very lights coats to ensure that the pre-shading could be seen



First, I gradually sprayed on very thin layers of the olive drab mix, making sure the pre-shading came through in a realistic way. The grey mix was then sprayed on freehand in a similar way. Once happy with the base paint job, I went back and carefully applied deeper shadows as well as highlights. I used the lighter colour tones to fade the paint on the upper areas around the engine and cockpit.

The whole model was given thin layers of Gunze clear and left to completely dry for about a week. The decals were then applied with small amounts of decal setting solution. The Eduard decals performed very well, and were a joy to put on. Once dry, an additional layer of Gunze Clear was sprayed on to protect the decals.

## PACIFIC WEATHERING

Since the layering work with pre-shading and fading using the airbrush had

already created a fairly worn and weathered effect to the base paint job, the following steps were more about enhancing and reinforcing some of these effects. I find that this way of painting gives a more subtle effect to the final result, and I try to get as much done at the airbrush stage as possible.

As a first weathering step the decals needed to be integrated with the rest of the faded fuselage colours. This was done by first sanding the decals carefully, which creates a worn and chipped effect and at the same time fades the colours a bit. After the sanding, the decals were sprayed very thin white paint in several layers, gradually building up the desired effect.

Once happy with the result, I went back with lighter tones of the basic paint layers and faded selected areas further. In order to build up an overall dirty effect on top of the

faded paint, all colours were then being unified with a few very thin filters using Sepia black-brown oil paint. Then thicker Sepia filters were added on top of the wings and selected panels to build up the multi-layered effect of faded and dirty paint.

For the areas around the wing roots and below the cockpit I used burnt umber and raw umber to add a lighter brownish dirty tone where dust and ground dirt would accumulate during operations. This brown colour-tone contrasted nicely with all that faded olive drab and grey, also giving a bit of warmth to overall finish of the model.

To add chipping and scratches to the fuselage I used acrylic colours and pencils in yellow, brown, black and grey shades. This takes quite some time; it is important to go slow and to keep the point of the pencil always sharp.

I also used faded sandy

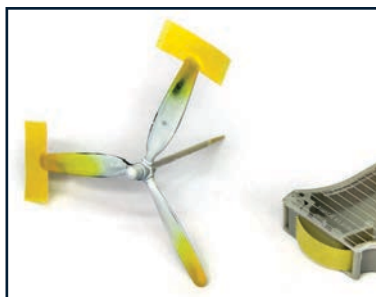
colours from Vallejo to chip some areas with small sponges, creating further worn effects. Most of these chipping and mapping effects were then covered in brown filters to integrate and vary the impact of the chipped areas.

For some areas, Humbrol silver was applied using a small sponge to show bare metal through the paint, however this was kept to a minimum, careful not to overdo it.

Then further dark brown oil paints were added in pin washes in all panel lines and rivet lines, trying to vary the application and not have the same tone in all panel lines. For select rivet lines I filled each rivet with dark Mig Productions pigments to give an even deeper effect. Several shades of MIG dust and earth coloured pigments were then placed across the surfaces to produce both colour variation but also subtle dust effects. ▶



Once the base painting was finished, the kit was given several coats of Gunze Clear, after which the decals were applied, straight from the kit decal sheet. A bit on the thick side, but settled well after some effort



The propeller was primed in white, the painted yellow for the propeller tips. Masking was then applied and dark grey was sprayed as base colour before the weathering



A small sponge was used to carefully dab Humbrol silver paint onto the propeller, to show bright metal showing through. This was then toned down with additional brown oil washes



Various dark brown and black oil paints were used to outline panels and rivet lines. Lighter browns were used in faded and worn areas



Additional fading across the fuselage was sprayed on with very thin paint. This was concentrated on the areas most exposed to sunlight and wear

In a similar way, Buff and Naples Yellow oil paints were used to highlight rivet lines in the areas of dark grey camouflage colour. This was also done across the dark national markings for a faded and worn effect



**“This is a great kit. Details and fit are superb, and the result is a beautiful small replica of the Hellcat...”**



#### FINAL DETAILS

The propeller was sprayed a very dark grey and then chipped with Humbrol metallics and a small sponge. Once this was dry, I then gave the propeller several filters of dark brown oil paint. The wheels were also sprayed dark grey and then given several layers of Mig Pigments in light colours.

#### CONCLUSION

This is a great kit. Details and fit are superb, and the result is a beautiful small replica of the Hellcat. I was happy to tackle the challenge of a weather-beaten Pacific FAA finish and was lucky to have access to the colour photos as reference – sometimes reality shows you things you would normally not dare to do! ●

#### TECHSPEC...

EDUARD 1:48 GRUMMAN HELLCAT MK.I/MK.II DUAL COMBO • KIT NO.8223

##### Materials;

Injection-moulded polystyrene, polycaps, photo-etched metal, waterslide decals

##### Paints used:

- Mr Hobby: Mr. Surfacer 1500 Spray, H11 Flat White, H12 Flat Black, H30 Clear, H74 Sky, H305 Gray, H52 Olive Drab
- Rembrandt Oil Colors: Sepia, Dark Green, Grey, Buff, Dark Grey
- Vallejo: Flat Varnish

##### Weathering:

- Mig Productions: Pigments

##### Availability;

Eduard models and accessories are widely available from good model shops and online.  
[www.creativemodels.co.uk](http://www.creativemodels.co.uk) [www.eduard.com](http://www.eduard.com)





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# FIAT 500F: IL PIÙ

**Domenico Papaleo and Gennaro Zappa**  
build 'the little grey mouse', Italeri's rather  
magnificent 1:12 FIAT 500F

**T**he appearance of the Fiat 500 F model in 1968 would be accompanied by the introduction of various improvements in the mechanical aspects of the car: the differential, joints and the axle shafts were suitably reinforced and the brakes improved. The engine, another strong point of the car, was adequately 'pumped up' to deliver a maximum power of a whopping 18bhp to cope with the increase in weight of the car, which would further entail the optimization of other components such as a strengthened clutch, the larger air filter and the larger capacity fuel tank to cope with the inevitable increase in consumption.

## **500F IN 1:12**

The engine kit looks spectacular from the box: Italeri has not overlooked any detail, faithfully reproducing meticulous components such as the Marelli distributor, the mechanical petrol-pump and the Weber 26 IMB 4 carburettor. But what really impresses is the accuracy with which some details have been reproduced, such as the surface detailing of the components.

The engine was painted with a Zero Paints Aluminium base colour, while the air-cooling system 'tinware' with Zero Paints Semi Gloss Black. Particular attention was paid to the painting of components such as the red-purple colour of the Marelli distributor, obtained by mixing Tamiya X-7 Red (gloss) and X-34





# SOLO TOPO GRIGIO!





## FULL-BUILD: CIVILIAN CAR MODEL

### ITALERI 1:12 1968 FIAT 500F ● KIT NO.4703



The bodyshell is checked for fit over the lower floor panels



Zero Paints White Primer and Grey Filler Primer were used as undercoats to seal in the raw polystyrene of the kit mouldings



Here we see some of the Top Studio aftermarket accessories used to up-detail key areas of the model such as the engine and gearbox



Zero Paints were used again on the engine and gearbox

⦿ Metallic Brown as well as the cap on the rocker cover where the original brass-plated effect was obtained by mixing colour X-12 Gold Leaf and X-31 Titanium Gold.

Details such as the exhaust manifolds, where the different shade of grey

contrasts with the muffler pipes, were emphasised in a realistic way to highlight the difference in materials (cast iron for the exhaust manifold, steel for the muffler) and exposure to heat via the exhaust gases. Note also the gearbox was painted with different

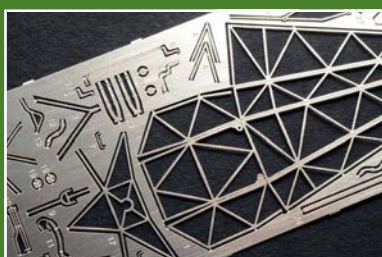
shades of aluminium to accentuate the 'depth' of the ribs and in this casing.

The body parts, after a careful inspection and dry-assembly to check the fit, were treated with a few small touches of filler (Tamiya Putty), and then given a coat of Zero Paints

White Primer to check for any imperfections of sanding. It should be noted that Italeri's designers have done a truly admirable job of the body and related parts: the bodywork of the model faithfully follows the lines of the real car without neglecting any details. ▶

## Mini Review...

**BRENGUN 1:72 SO-1221 DJINN HELICOPTER (BRS72017)**  
www.brengun.cz



The Sud-Ouest S.O. 1221 Djinn is a light, two-seat helicopter designed and built by French aircraft manufacturer Sud-Ouest, which later became Sud Aviation. Brengun have produced this delicious little kit in the media of resin, injection-moulded plastic, photo-etched brass and vacuum-formed clear plastic. For such a tiny model, there's quite a lot of parts: around twenty resin castings, a pair of rotor blades in IM plastic, at least thirty-seven PE pieces, three canopy formings plus decals for one of three options. Wonderful!





The 'body in white', except it's actually 'Sand Beige'



In this view, the brakes, wheels and suspension components are spread out, ready for installation



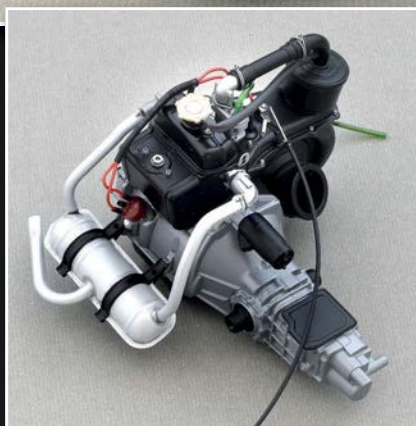
The kit comes with 'rubber' floor-mats, except they are formed from rigid photo-etched brass. First, they were bent to shape



The metal mats were then airbrushed with Zero Paints Matt Black



Finally, the mats were refitted and secured in position. The final effect is fantastic!



Views of the Fiat's 499cc air-cooled engine, with plumbing and wiring fitted. Italeri have made a perfect replica of this tiny powerplant



Here, the engine has been installed and even in the 500's small bay, there's still plenty of space around it!



## FULL-BUILD: CIVILIAN CAR MODEL

ITALERI 1:12 1968 FIAT 500F ● KIT NO.4703



One of the last jobs is to mount the wheels and then the soft-top

### ☛ LATTE PER FAVORE!

As for the painting of the model, the intent was to reproduce the original colour of the Fiat 500 in my possession: defining the original colour code required a very careful and not at all obvious research because the Fiat 500F was reproduced in many different colours,

including two that are apparently very similar in shade, 'Antique Ivory' (Fiat colour code 234) and 'Sand Beige' (Fiat colour code 583). To better understand both of them, just think of that 'latte' colour!

This concludes the assembly of the small (but large) Fiat 500F, with a

warm memory of a beautiful experience shared with Gennaro Zappa and of an intense friendship thanks to model making, projecting us to the future and to our next planned project, which for the moment we will not reveal, but I let you imagine! ●



This close-up reveals the stylish and elegantly simple cabin: the dashboard is an icon of automotive design

### TECHSPEC...

ITALERI 1:12 1968 FIAT 500F KIT NO.4703

#### Materials;

Injection-moulded polystyrene, photo-etched metal, synthetic rubber tyres, waterslide decals

#### Paints used:

- Tamiya X-7 Red, X-34 Metallic Brown
- Zero Paints Semi Gloss Black, Aluminium

#### Accessories used:

- Top Studio: 1:12 Toggle switch (23138), Air Valves (TD23025)

#### Availability:

- Italeri models are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; [www.hobbyco.net](http://www.hobbyco.net)
- Zero Paints: available online from; [www.hiroboy.com](http://www.hiroboy.com)





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# UNE PROMENADE À LA CAMPAGNE

The arrival of the R35 tank in Tamiya's 1:35 Military Miniatures Series coincided with the 80th anniversary of the Battle of France in 1940. This inspired **Erik Dreister** to create this little bucolic vignette...









## FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

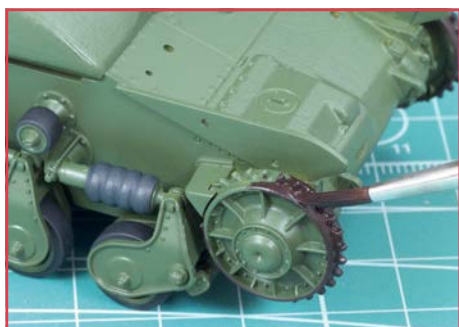
### TAMIYA 1:35 R35 FRENCH LIGHT TANK ● KIT NO.35373

**W**hilst this model has already been featured in TMMI (Issue 295, May 2020), I will not go over the excellent quality of the moulding and the details of this brand new Tamiya 1:35 kit: we covered this last time! There is no shortage of presentation possibilities and as the model is accompanied by a very nicely done figure of a tank commander, I chose to create a country setting to illustrate the theme of 'France 1940'.

Assembly is a walk in the park and only took me a few hours. I chose to break this kit down into several parts in order to make it easier to paint certain areas, such as the lower sides of the body, the tracks and more. As everything fitted together perfectly, I decided to finalise the assembly after the main painting phases. So much for the outline of the project, now let's see more details in pictures! ●



Part B7, which closes up the side of the turret, requires a little putty. The 'raw foundry' texture is very subtly represented. The small dome is moulded separately, so you can orient it as you wish



The different rubber components of the suspension (the rollers and the suspension tubes) were hand-painted dark grey, before tackling the sprockets. The area in contact with the tracks was covered with a layer of dark brown



Drybrushing was then carried out with AMMO by Mig Gun Metal, ideal for representing polished metal



The tracks were also painted Gun Metal. The paint adheres well and the metallic look is superb



To achieve the very complex camouflage, the author had the choice between the tedious cutting out of paper templates or the simpler use of Blu-tack. Strands of Blu-tack were placed directly on the model, then flattened according to the shapes of the camouflage shown on the colour profiles of the instructions



After airbrushing the first shade of the camouflage, new pieces of Blu-Tack were placed and the next colours applied. By the end, the model looked like a big ball of Blu-tack...



After masking off the protective shield and the armoured cover with masking tape, the muffler was coated with XF-10 Flat Brown, perfect as a base to reproduce the parts of rust steel



The camouflage is almost complete. For the colours, the author followed the recommendations in the instructions, except for the base layer for which the recommended XF-58 Olive Green was replaced with TS-61 NATO Green

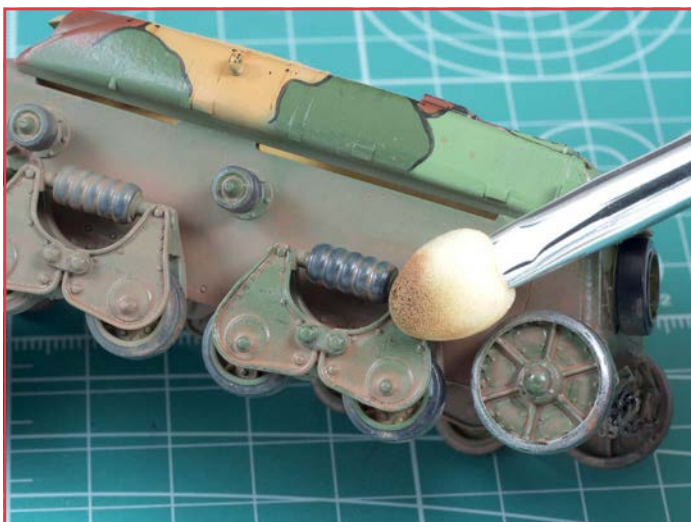




French AFV camouflage of the time was often edged with a dark border. A thin brush from the Tamiya Pro II range was used to patiently outline each colour in matt black. With the camouflage on, the first steps of weathering could begin



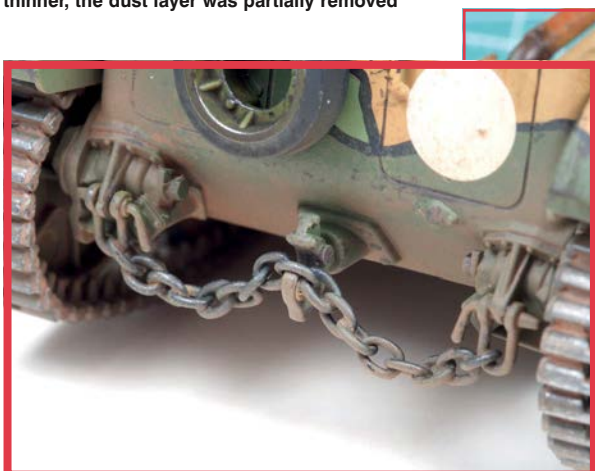
Decal softener was used to help the waterslide transfers conform to the shapes of the kit. The markings of the 23rd BCC were chosen for their multitude of aces of tiles painted on the turret



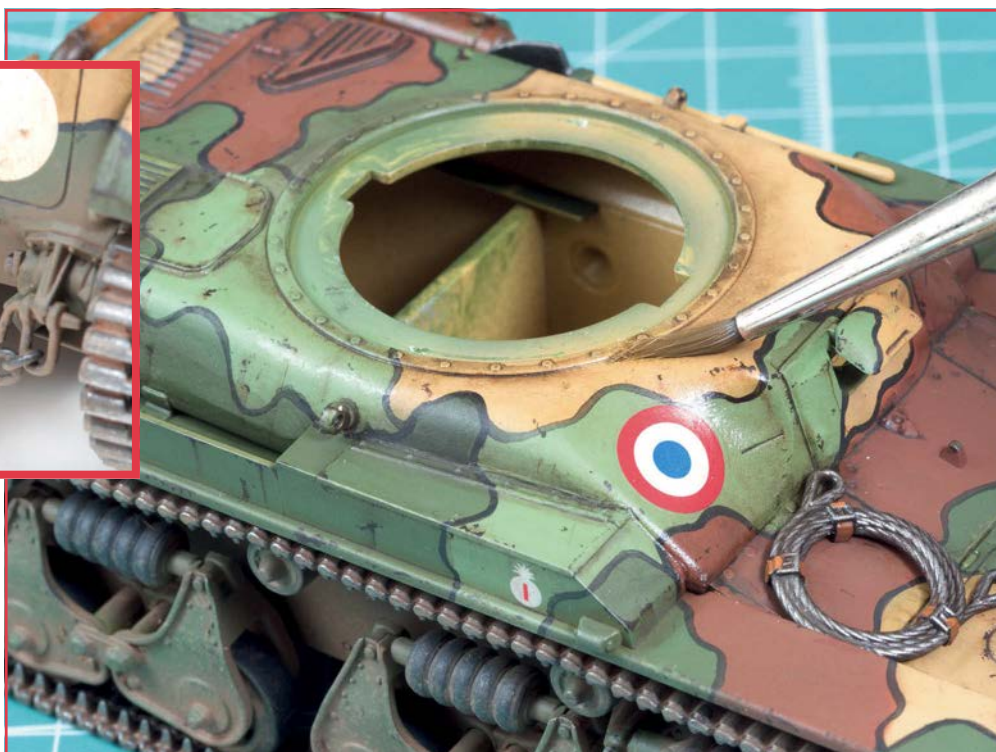
To give the lower areas of the model a dusty look, a very diluted layer of XF-52 Flat Earth was applied. Then, using a Tamiya foam blender dipped in thinner, the dust layer was partially removed



The tracks were treated using the same method, then they were permanently installed on the running gear



A piece of chain from a B1-bis kit was added to the tank's rear, then a light layer of thinned XF-52 was sprayed to make it look dusty



Finally, Tamiya Panel Line Accent Color (Dark Brown) was applied, mainly in the recesses and around the raised detail to complete the overall patination. At this point, the author took the opportunity to permanently secure the mudguards and small accessories such as tools and tow rope



# FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

## TAMIYA 1:35 R35 FRENCH LIGHT TANK ● KIT NO.35373



After covering the entire model with a layer of mat varnish (24 hours drying time), an HB pencil was used to give the barrels and body edges a more authentic, metallic look

## Diorama

The base of the diorama was cut from cube of insulating foam. It was then covered with a thin layer of AMMO's 'Muddy Ground' acrylic paste to mimic the earthen groundwork



To create the vegetation, the author used a carpet of synthetic grass called 'Stony Mountain Spring' from the AMMO by Mig range, with small bushes and rocks (real small pebbles) scattered among grassy tufts. The appearance is very natural and this mat can be cut with scissors, avoiding the stones!







Letters bought from a hobby store were installed in the still-fresh acrylic paste

The two parts of the grass mat were simply attached by pressing them onto the acrylic paste which acts as a glue. The side of the bare embankment was also covered with AMMO acrylic mud



The surroundings were completed with Faller grass flocking plus tufts of grass from the brands 'Mininatur' and 'Joefix Studio'. The ground was then coloured with XF-52 Flat Earth with the addition here and there of a little XF-57 Buff



Once the earth colours were dry, some brown and dark brown washes were applied with an old brush



# FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

## TAMIYA 1:35 R35 FRENCH LIGHT TANK ● KIT NO.35373



In the end, the groundwork perfectly represents a small corner of the countryside

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>TECHSPEC...</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |
| <b>TAMIYA 1:35 R35 FRENCH LIGHT TANK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>KIT NO.35373</b> |
| <b>Materials;</b><br>Injection-moulded polystyrene, polycaps, waterslide decals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |
| <b>Paints used:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |
| <ul style="list-style-type: none"> <li>- Tamiya sprays: TS-61 NATO Green, TS-13 Clear</li> <li>- Tamiya Acrylics: XF-1 Flat Black, XF-2 Flat White, XF-9 Hull Red, XF-15 Flat Flesh, XF-52 Flat Earth, XF-57 Buff, XF-59 Desert Yellow, XF-64 Red Brown, XF-85 Rubber Black, X-6 Orange, X-7 Red, X-10 Gun Metal, X-11 Chrome Silver, X-18 Semi-Gloss Black, Retarder for acrylic paints 87114</li> <li>- Tamiya Panel Line Accent Color: Dark Brown (87140), Black (87131), Brown (87132), Red Brown (87201)</li> <li>- Vallejo Acrylics: Dark Rust (for scuffs)</li> <li>- AMMO by Mig: Gun Metal (for tracks, tools)</li> </ul> |                     |
| <b>Other materials used:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| <ul style="list-style-type: none"> <li>- AMMO by Mig: Muddy Ground (2105), Stony Mountain Spring (8358)</li> <li>- Faller: Synthetic grass:</li> <li>- Mininatur, Joefix Studio: tufts of grass</li> <li>- HB pencil (metallic reflections, machine gun and barrel, tools)</li> </ul>                                                                                                                                                                                                                                                                                                                                              |                     |
| <b>Availability;</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |
| <ul style="list-style-type: none"> <li>- Tamiya models, accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; <a href="http://www.hobbyco.net">www.hobbyco.net</a></li> <li>- Vallejo Acrylics: <a href="http://www.creativemodels.co.uk">www.creativemodels.co.uk</a></li> <li>- AMMO by Mig: <a href="http://www.migjimenex.com">www.migjimenex.com</a></li> </ul>                                                                                                                                                                   |                     |

The base of the diorama was permanently glued to a black-painted plinth and the model was finally attached with a few drops of epoxy glue





**eduard**  
LIMITED EDITION



# Spitfire Story: The Few

**Spitfire Mk.I  
1938-1940**



K9795, No. 19 Squadron, Duxford, United Kingdom, October 1938



No. 41 Squadron, Catterick, United Kingdom, Spring 1939



K9906, F/O Robert Stanford Tuck, No. 65 Squadron, Hornchurch, United Kingdom, Summer 1939



K9955, F/O Archibald Ashmore McKellar, No. 602 Squadron, Drem, United Kingdom, March 1940



PS443, F/Lt Douglas Bader, No. 222 Squadron, Duxford, United Kingdom, early June 1940



K9953, F/Lt. Adolph Gysbert Malan, No. 74 Squadron, Hornchurch, United Kingdom, June 1940



X4425, F/Sgt. George Cecil Unwin, No. 19 Squadron, Fowlmere, United Kingdom, August 1940



N3162, P/O Eric Stanley Lock, No. 41 Squadron, Hornchurch, United Kingdom, September 1940



N3180, b P/O Alan Deere (RNZAF), No. 54 Squadron, Hornchurch, United Kingdom, May 1940



X4382, P/O Osmond Phillip Villiers Hanbury, No. 602 Squadron, Westhampnett, United Kingdom, September 1940

- British WWII aircraft Spitfire Mk.I in 1/48 scale. Focused on aircraft from introduction into the service to the end of Battle of Britain
- Dual Combo - plastic parts, photo-etched details and painting masks for two complete models
- Decals for 10 marking options
- Sir Douglas Robert Stewart Bader CBE, DSO & Bar, DFC & Bar resin figure in 1/48 scale

**1/48**

**Dual Combo  
August 2020  
Cat. No. 11143  
[www.eduard.com](http://www.eduard.com)**



**FULL-BUILD: MODERN US NAVAL AVIATION**  
**KINETIC 1:48 GRUMMAN EA-6B PROWLER ● KIT NO.48044**





# WHO NEEDS DETAIL? WE NEED DETAIL!

**Nathan LaPorte** uses a small mountain of aftermarket accessories to bring Kinetic's 1:48 Grumman EA-6B Prowler to life

**G**rowing up, I remember always building military jet models, even into my teens. Once I got into my early '20s I became fascinated with history and WWII and from there all I built was armour and aircraft from this period, pretty much forgetting about jets. Over the years though, there was always one jet that I wanted to build; the EA-6B Prowler. Something about that aircraft spoke to me, maybe because it is really quite odd-looking, or maybe it was thanks to Mike Ashley's Prowler on the cover of his iconic book 'Detailing Scale Model Aircraft' which was an essential

in improving mine and many others' modelling skills.

After seeing the Kinetic EA-6B Prowler kit in my local hobby store and doing some research online, I decided to purchase it and began what was a long journey of building the model you see here. Naval aircraft take a beating, especially planes from the late '70s to the '90s. Prowlers, just like F-14 Tomcats, were dirty birds. The sun, rain and salt all wreaked havoc on the surfaces of these machines. Often panels were discoloured and blotchy and there were also many repair paint jobs where paint repairs were hastily applied over chips

and scratches. I tried to simulate this worn look in my finish and used a few different techniques to achieve this.

Because it is my nature not to build a model out of the box, I began acquiring aftermarket items for the build. I knew right away that the kit needed an improved cockpit, especially considering the size and visibility of the Prowler's, so I acquired the Aires detail set. Upgraded resin parts from Wolfpack models for the landing gear bays, avionics, radar bay and wing-folds were also purchased. With these aftermarket sets I had enough to start my project. ▶





## CONSTRUCTION

Naturally, construction started with the cockpit and the Aires resin set is a true work of art. It was at this time I decided that the photo-etched seat harnesses included with the Aires kit were too much of a fiddle to make for the four different ejection seats, so I purchased Quickboost resin seats with the harnesses already cast in.

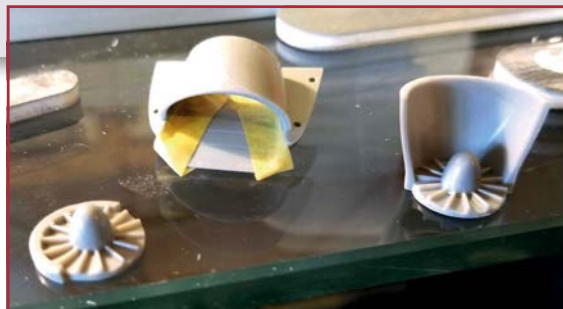
The cockpit was painted with Vallejo Model air paints and a dark colour-wash was used to bring out the surface detail. The ejection seats were first airbrushed Tamiya Semi-gloss black then carefully brush painted with regular Vallejo paints. Airscale Modern cockpit data plates and warning decals were used on the ejection seats for all the warning signs and data plates plastered all over them.

The seats, along with some other small parts, were left out until the cockpit was actually fitted in the airframe and exterior painting had finished to avoid breaking them with handling.

It was then time to focus on the landing gear and bays. The Wolfpack resin parts are very nicely detailed and match the kit parts perfectly, after carefully cutting out the kit original bays. I decided to add Eduard's photo-etched detail sets to further enhance the undercarriage, especially the landing gear doors. Moving to the landing gear itself, I decided to upgrade the kit parts as well. I found some very nice and much needed replacement resin wheels and tyres from Resikit.

One of the main disappointments of the kit was the intake and exhaust. The intakes comprise two parts with the compressor cone and fan being moulded into one of the sections. It would be impossible to paint the fan and mask it from the intake tunnel, so I carefully cut the around fan from the intake half. The inlet halves could then be assembled and painted without the fan section. The inlets still had a seam visible so a lot of time was spent filling the seams with Apoxie sculpt and sanding smooth.

The engine intakes comprise two mouldings with the compressor fan being moulded in with one of the major sections. It was impossible to paint the fan if left unmodified

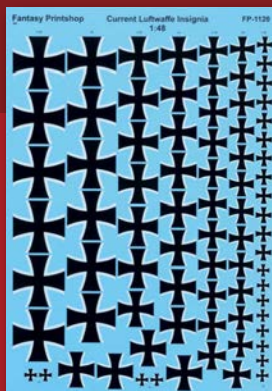


The Wolfpack resin UC bays are very nicely cast and match the kit parts perfectly, once the kit original bays had been carefully cut out



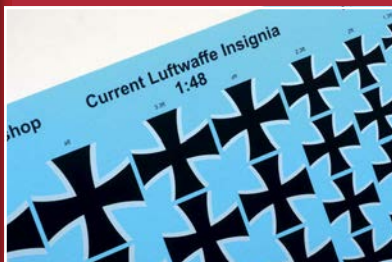
The Wolfpack wing-fold upgrade parts are a big improvement over the standard kit-plastic parts, as far as detail goes

## Mini Review...



**FANTASY PRINTSHOP 1:48**  
**CURRENT LUFTWAFFE**  
**INSIGNIA (FP-1120)**  
[www.fantasyprintshop.co.uk](http://www.fantasyprintshop.co.uk)

If you are a builder of modern Luftwaffe aircraft subjects and need a stock of national cross insignia, this is the sheet for you! The crosses come in the scale sizes of 4 1/3 feet, 4 feet, 3 1/3 feet, 3 feet, 2 1/3 feet, 2 feet and 1 foot widths. All markings are perfectly printed and come with a setting solution/varnish-friendly gloss finish







Heavily diluted Tamiya XF-69 NATO Black was used for the pre-shading process, over a layer of Tamiya Grey Primer undercoat

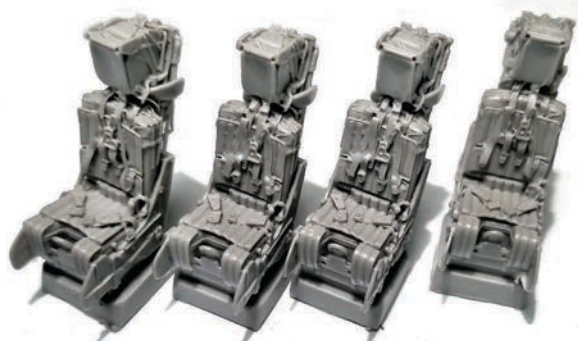


To create a mottled, weathered texture on the airframe, various grain sizes of salt were sprinkled onto dampened upper surfaces of the aircraft. Highly diluted Model Air Light Ghost Grey was then sprayed with random intensity over the surface



The airframe nears completion...

The author first dipped the four canopy parts in Future floor polish and once dry, sprayed Alclad 2 Clear Yellow on their inner surfaces to replicate the gold tint of the Prowler's canopies



The author chose Quickboost's resin seats which come with the harnesses already cast in, which looks more realistic than separate photo-etched harnesses



## ALL TOGETHER NOW

Now was the time to bring all the aftermarket items together inside the fuselage. I had the front landing gear bay, the cockpit tub, the avionics tub and the front radar section to cram all in the same place. This proved to be an exercise in frustration. I sanded, checked the fit, and re-sanded the cockpit tub and avionic bay more times than I can remember until fuselage halves properly fitted together.

The Wolfpack wing-folds are a vast improvement over the kit parts as far as detail went, but it was difficult to figure out from the instructions what needed to be cut from the kit. In the end I needed to use a lot of filler and cleanup to make everything look good. When it came time to actually mount the folded wings I had to trim and sand the connection points for everything to fit properly.

I had to sand the cockpit tub until the floor got sanded through in a couple spots. Finally now that the fit was good I added the exhaust tubes and intake inlets to each fuselage half and glued the major interior components in place and was able to button up the two halves.

X-23 Clear Blue and X-25 Clear Green were mixed together to form the desired colour. The screen did not fit perfectly so putty was required in a few spots to fill some small gaps. With all the major components now finished all I had to do was add the little parts and minor sub-assemblies like the drop tanks, jamming pods, ladders, and the split canopies and photo-etched details. ▶





HGW's 'remove before flight' tags were fitted after consulting reference materials. These things are very realistic for the scale

## PAINTING AND WEATHERING

There is a vast array of great choices for EA-6B Prowlers as far as decals go. It was a tough choice but in the end I actually liked the VAQ-136 scheme that was offered with the kit. Searching online produced some pretty good pics of the real plane so I was ready to proceed to the finish line. Tamiya Grey Primer was a good base to start the paint process. After this was dry, I fired up the airbrush with some heavily diluted Tamiya XF-69 NATO Black to use as the pre-shading layer. After this, heavily diluted Tamiya flat white was then used and I airbrushed blotches randomly in the middle of the panels over the entire aircraft.

Model-Master Light Ghost Grey was used for the first colour coat. I airbrushed the paint in light thin coats so that the pre-shading and highlights was still slightly visible. After sufficient drying time, 'Panzer Putty' was used to mask the soft edge and the next upper surface colour was applied using Vallejo Model Air Dark Ghost Grey. Lastly, this was also masked-off then the last colour applied; Medium Grey, again from Model-Master.

## FINAL DETAILS

Time to finish up the last bits that needed to be done before I could put a fork in this one! HGW remove-before-flight tags were fitted after consulting my reference materials. These things are a real gem and super realistic for the scale. They are printed on both sides and hang naturally from the model, however they are a bit tricky to get a pin or wire through them so they can be attached. I lightly dusted them with pigments so they were not too shiny.

Last but certainly not least, the canopies come as halves that need to be glued together. I gave it careful thought as how to proceed with painting and gluing them. First I dipped the four parts in Future floor polish. After a couple days of drying I sprayed Alclad 2 Clear Yellow over the inner surfaces to recreate that gold tint the canopies on the Prowler have. This is an electronic protection coating for the cockpit from the ECM pods that the plane carries. After this had dried I applied a light coat of Tamiya X-19 Smoke to darken them slightly.

Montex masks were then used on the inside and outside of the canopy. The

inside canopy frames were airbrushed with Tamiya NATO Black and the outside Model-Master Medium Grey. After letting everything dry I took off the masks and glued the halves together. There is a control panel in the middle of both canopies in the form of a resin piece from Aires that was fixed at this time. Finally I added the photo-etched mirrors to both canopies. A little touch-up with Apoxie sculpt and the medium grey paint to the outside of the canopy where the two halves met and the seam is hardly noticeable.

## FINAL THOUGHTS

This build was especially rewarding for me, as I finally got to build a Prowler to put in the display case. Building this model also brought me a sense of nostalgia of my younger days building jet models. Thankfully it turned out better than the models I used to build as a kid! It was also rewarding because of the difficulty of the project, partly of my own doing by adding so many aftermarket components inside the fuselage. The kit itself had its issues but overall is a very good representation of a Prowler. The weathered and worn look of the model also adds to the authenticity of what a Prowler really looked like in service. ●



## TECHSPEC...

KINETIC 1:48 GRUMMAN EA-6B PROWLER  
 EA-6B KIT NO.48044

### Materials;

Injection-moulded polystyrene, waterslide decals

### Paints used:

- Tamiya Acrylics: XF-69 NATO Black
- Model-Master: Light Ghost Grey
- Vallejo: Model Air dark Ghost Grey

### Accessories used:

- Eduard: Prowler exterior detail (48672), undercarriage details (48681)
- Wolfpack: landing gear bay (48115), wing-fold (48112), Radar and Avionics bay (48114)
- SAC: white metal landing gear (48098)
- Aires: resin cockpit (4398)
- Resikit: wheels (480001)
- Quickboost: seats (48754)
- Montex: masks (SM48401)
- HGW: Remove before flight flags
- Airscale Decals: Modern cockpit data plates and warning decals (AS32 DAN)

### Availability;

- Kinetic models are available from Lucky Model: [www.luckymodel.com](http://www.luckymodel.com)
- Eduard: [www.creativemodels.co.uk](http://www.creativemodels.co.uk)
- www.eduard.com
- Wolfpack: [www.wolfpack-d.com](http://www.wolfpack-d.com)
- Aires: [www.aires.cz](http://www.aires.cz)
- Quickboost: [www.quickboost.net](http://www.quickboost.net)
- HGW: [www.hgwmodels.cz](http://www.hgwmodels.cz)
- Montex: [www.montex-mask.com](http://www.montex-mask.com)
- SAC: [www.scaleaircraftconversions.com](http://www.scaleaircraftconversions.com)







# New Releases

The latest photo-etched sets, resin parts, figures and accessories to enhance your scale models...

## What's in the box?

**AD:** ACETATE DIALS, **CC:** CAST CERAMIC (PLASTER), **CMA:** CAST METAL ALLOY, **CP:** CHROMED PARTS, **CPS:** CLEAR PLASTIC SHEET, **DT:** DRY TRANSFER (DECALS), **EM:** ELECTRIC MOTOR **EPS:** EXTRUDED ALLOY, **MR:** METAL ROD, **MW:** METAL WIRE, **MT:** METAL TUBING, **NM:** NYLON MESH, **PE:** PHOTO ETCH, **PEBM:** PHOTO-ETCHED BADGES/MIRRORS, **PCM:** PRE-CUT MASKS, **PMP:** PRE-ASSEMBLED METAL PARTS

## EDUARD, CZECH REPUBLIC

[www.eduard.com](http://www.eduard.com) [www.creativemodels.co.uk](http://www.creativemodels.co.uk)

This month, three recent aircraft kit releases have been 'targeted' by Eduard's team of super-detail designers, with suites of photo-etched brass and resin that enhance their interiors, exteriors, wheels, bomb bays, cockpits, engines and more.

The HK Models 1:48 B-17G Flying Fortress receives a set of four radial engines in resin, each with PE ignition harnesses and individual pushrods, a complete set of replacement M2 Browning .50cal machine guns, up-detailed turbo-superchargers and tough bronze undercarriage legs, plus PE sets for the internal wooden floors (pre-painted), ammo feeds, general exterior parts, bomb bay and landing flaps.

Zvezda's new 1:48 kit of the Mil Mi-24V Hind helicopter gets cargo bay and general interior sets plus 'green' and 'black' cockpits, a Löök set for the main instrument panel and seat harnesses, plus resin wheels and canopy masks.

Finally we have a selection of useful add-ons for Eduard's own 1:32 Me108 'Taifun', recently released. These include new wheels/tyres (smooth and spoked wheel hubs), resin propeller, Löök instrument panel and seat harnesses plus general PE details. Fantastic quality as ever, with clear parts-placement instructions in every set.

### 1:48 B-17G FLYING FORTRESS FOR HK MODELS KIT

- Brassin B-17G superchargers (648536)
- Brassin B-17G engines (648538)
- Brassin B-17G guns (648539)
- Brassin B-17G undercarriage legs bronze (648540)
- B-17G undercarriage and exterior (481011)
- B-17G ammo feed chutes (491012)
- B-17G wooden floors and ammo boxes (491072)
- B-17G bomb bay (491070)
- B-17G landing flaps (481010)
- B-17G antiglare panel mask (EX687)

### 1:48 MI-24V HIND FOR ZVEZDA KIT

- Brassin Mi-24V wheels (648573)
- Mi-24 cockpit interior (491097)
- Mi-24 cockpit interior black (491098)
- Mi-24 interior (481019)
- Mi-24 cargo interior (481020)
- Mi-24V Löök instrument panel and seat harnesses (644059)
- Mi-24 Mask (EX705)

### 1:32 BF108 TAIFUN FOR EDUARD KIT

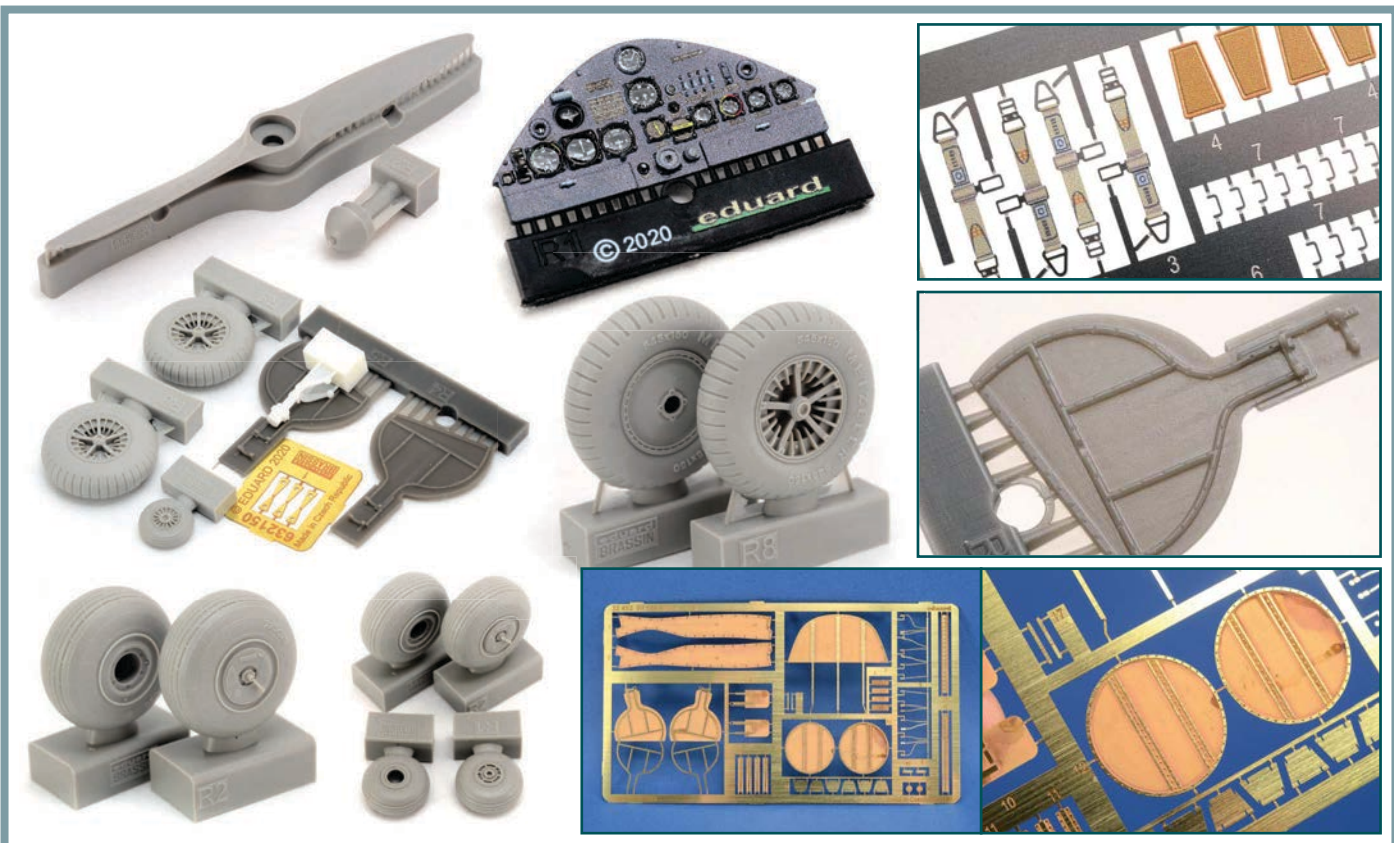
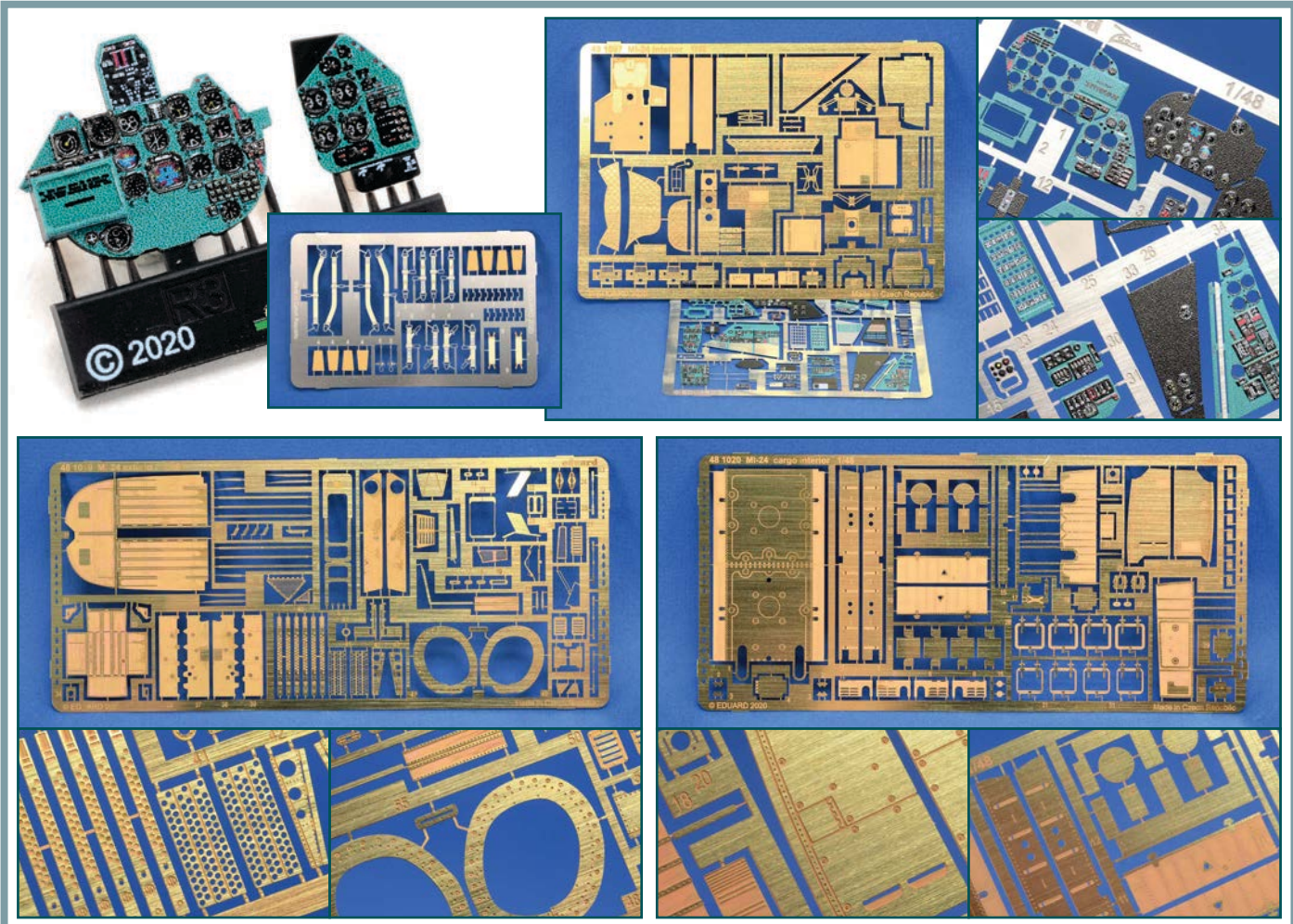
- Brassin Bf108 wheels (632150)
- Brassin Bf108 wheels spoked (632155)
- Brassin Bf108 wooden propeller (632151)
- Bf108 Taifun PE details (32452)
- Bf108 Löök instrument panel and seat harnesses (634017)





# Accessories

PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL CHAIN, **MMA**; MACHINED METAL PARTS), **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC), **WC**; WOVEN CORD, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP





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**EPS**; EXTRUDED PLASTIC SECTION, **F**; FABRIC, **IM**; INJECTION MOULDED (PLASTIC), **ITL**; INDIVIDUAL TRACK LINKS, **LCC**; LASER CUT CARD, **LLT**; LINK AND LENGTH TRACKS, **MC**; METAL  
CHAIN, **MMA**; MACHINED METAL ALLOY, **MR**; METAL ROD, **MW**; METAL WIRE, **MT**; METAL TUBING, **NM**; NYLON MESH, **PE**; PHOTO ETCH, **PEBM**; PHOTO-ETCHED BADGES/MIRRORS,  
**PCM**; PRE-CUT MASKS, **PMP**; PRE-ASSEMBLED METAL PARTS), **PS**; PAPER STRIP, **R**; RESIN, **SVT**; SOFT VINYL TYRES (OR TUBING), **VF**; VINYL FIGURES, **VFP**; VACUUM FORMED (PLASTIC),  
**WC**; WOVEN CORD, **WD**; WATERSLIDE (DECALS), **WS**; WOODEN STRIP



## MJ MINIATURES, SOUTH KOREA

[www.mj-miniatures.co.kr](http://www.mj-miniatures.co.kr)

The limitations of plastic moulding present real difficulties when kits need to represent extremely fine parts which in real life are made from metal strip. In many instances, etched brass comes to the rescue, but some shapes are notoriously difficult to represent. The protective guards on M4 Sherman tanks are a great example of this, and it is very difficult to get the correct shapes in scale thickness. MJ Miniatures have come to the rescue. The set contains four sets of the front and rear light guards, plus the horn (siren) guard, and two cable clamps. Supplied with the guards are the plug holders, which simply need to be glued to the side of the headlight guards. To say that these parts are incredible is barely sufficient: they are absolutely astonishing.

### LIGHT GUARD SET FOR 1:35 SHERMAN TANK SERIES (MJEZ35004)

## MJ MINIATURES, SOUTH KOREA

[www.mj-miniatures.co.kr](http://www.mj-miniatures.co.kr)

It is common to see models where the figures have no slings (straps) on their weapons, but generally it would be normal for every rifle or submachine gun to have a sling fitted. Without such a strap, the soldier could not put the weapon over his shoulder and keep his hands free. Making straps in 1:35 is not at all easy, because they are fiddly and the real items had buckles and fittings that are hard to represent, until now. MJ-Miniatures have released their first set of slings, specifically for the M1 Thompson, the M1 Garand and the M1918 BAR. The set consists of three straps for each weapon type, 3D printed side-on to get maximum detail. They are printed in a black material, and the detail on these items is simply staggering.

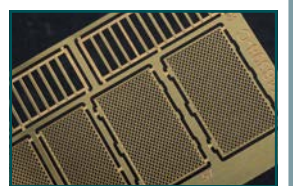
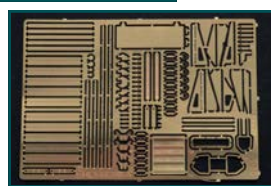
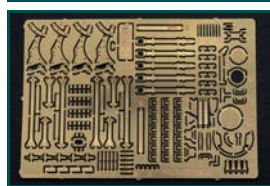
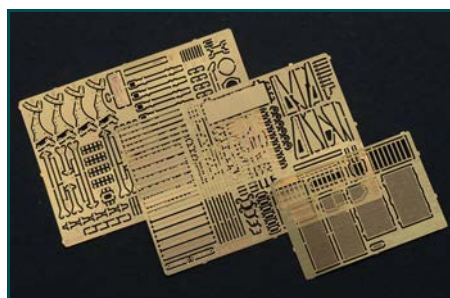
### WEAPONS SLING SET #1 FOR 1:35 WW2 US ARMY (MJEZ35003)

## HAULER, CZECH REPUBLIC

[www.hauler.cz](http://www.hauler.cz)

Tamiya's 1:48 T-55 Medium Tank has only been on release for a few months but already, Hauler have created one of their brilliant detail sets for it! In the small package belies the scope of the set: inside you'll find three brass sheets, each crammed with upgrade parts that includes brackets for the track-guards, rear fuel drum supports, handles and stays for the fender-mounted fuel cells, rear-deck engine-screens, details for the DShK machine-gun and its ammo boxes, vision ports details and more. In addition to the brass parts, six resin 12.7mm ammo boxes sixteen position lights and a horn are provided in resin. A fantastic way to bring Tamiya's lovely little T-55 to life.

### PHOTO ETCHED-BRASS AND RESIN SET FOR TAMIYA 1:48 T-55 (HLX48398)



## EURODECALS, UK

[www.fantasyprintshop.co.uk](http://www.fantasyprintshop.co.uk)

New decal sheets from this British manufacturer provide a splash of colour for some Cold-War and modern era military jets. For the Tornado GR.4/4A in 1:72, 1:48 and 1:32 we have three schemes with fancy tail liveries, all from the 2005 time-span, plus another attractive set that covers no less than five more Tornado GR.4/4A in service with various units from RAF Lossiemouth (2013/14 and 2015), 'Operation Ellamy' in Italy 2011 and RAF Coningsby, 2017.

For the Dassault Mirage IIIO, IIIE and IIIEZ in 1:32 (based on Revell and Italeri kits) we have a set of fantastic markings for Pakistani (X2), RAAF, SAAF and French Armée de L'Air air forces, each being very visually appealing in their own ways.

Finally, for the Oregon ANG F-15C Eagle in 1:48 we have a dramatic scheme from 2016 with a huge eagle adorning the fuselage and wings - magnificent! As always from this producer, the waterslide decals are produced to extremely high standards with gloss finishes and colour application guides.

### 1:72

- Panavia Tornado GR.4/4A (ED-72120)

### 1:48

- Panavia Tornado GR.4/4A (ED-48120)
- Panavia Tornado GR.4/4A (ED-48117)
- McDonnell Douglas F-15C Oregon ANG Special 2016 (ED-48122)

### 1:32

- Panavia Tornado GR.4/4A (ED-32120)
- Dassault Mirage III (IIIO, IIIE and IIIEZ) (ED-32121)





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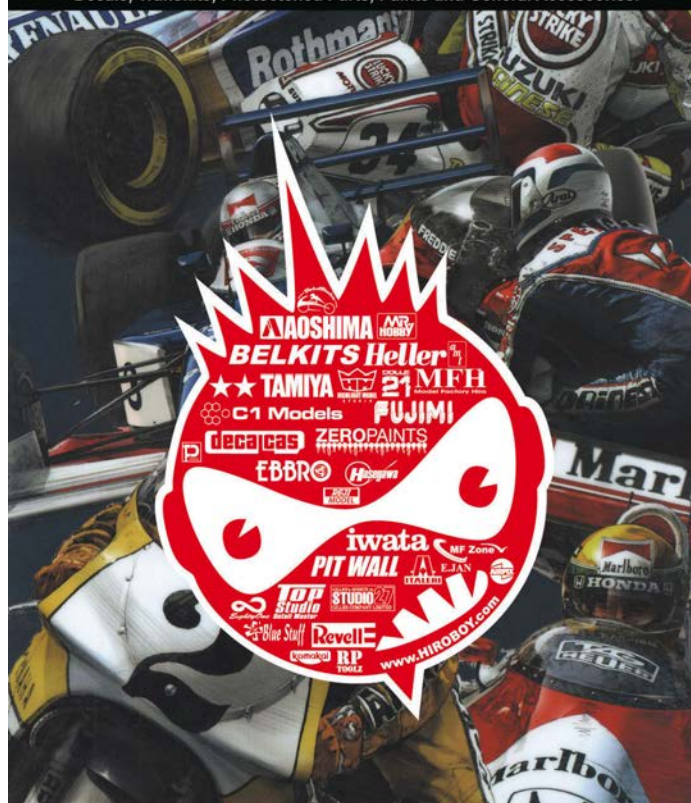
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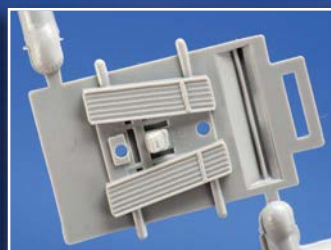
# COMBAT OVER HOME SKIES

Italeri have released some classic kits to commemorate the 80th anniversary of the Battle of Britain



## 1:48 HAWKER HURRICANE MK.I (2802)

Italeri's 1:48 Hurricane Mk.I is well recognised as an excellent model and it builds into a very nice-looking replica of the real workhorse of the Battle of Britain. Come with engine detail and photo-etched brass parts



## 1:72 HEINKEL HE.111H (1436)

Italeri's 1:72 Heinkel He.111H is an older kit but it is still a very decent production that looks great once built and painted. Battle of Britain-era decals are provided. Come with a set of crew figures



## 1:72 FIAT CR.42 FALCO (1437)

Arguably the most effective of the Italian warplanes to fight in the Battle of Britain was the Fiat CR.42 Falco, a lightly armed yet surprisingly nimble biplane. With a maximum speed of just 440km/h (270mph), it was much slower than Britain's front-line fighters. Following the Fall of France in 1940, an Italian air group of CR.42s and BR.20 bombers operated from Belgium and flew some offensive operations during the later stages of the Battle of Britain. Italeri's 1:72 is a little gem and comes with six markings-options



### Availability;

Italeri models are widely available from good model shops and online.  
UK import and distribution by The Hobby Company Limited; [www.hobbyco.net](http://www.hobbyco.net)



# ULTIMATE

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# New Releases

A selection of the latest full kits in plastic, resin, metal and more!

## What's in the box?

AD; ACETATE DIALS, AP; ACRYLIC PAINT, CC; CAST CERAMIC (PLASTER), CMA; CAST METAL ALLOY, CP; CHROMED PARTS, CPS; CLEAR PLASTIC SHEET, DT; DRY TRANSFER (DECALS), EM: ELECTRIC MOTOR, LLT; LINK AND LENGTH TRACKS, MC; METAL CHAIN, MMA; MACHINED METAL ALLOY, MR; METAL ROD, MT; METAL TUBING, MW; METAL WIRE, NM; NYLON MESH, PB; PAINT BRUSH, PCM; PRE-CUT MASKING FILM, VF; VINYL FIGURES, VFP; VACUUM FORMED (PLASTIC), WC; WOVEN CORD, WD; WATERSLIDE (DECALS), WS; WOODEN STRIP



## EDUARD, CZECH REPUBLIC BF108 TAIFUN

[www.creativemodels.co.uk](http://www.creativemodels.co.uk) [www.eduard.com](http://www.eduard.com)

SCALE: 1:32

MATERIALS: IM, WS, R, PE, PCM  
ITEM NO.3006

The Messerschmitt Bf108, nickname 'Taifun', might only be one number away from its much more famous brother, but it is a very different beast entirely. It was originally created to be a leisure aircraft but inevitably found its way into the Luftwaffe's catalogue of military aircraft in the role of a liaison machine. It's a rather handsome machine and Eduard have listed a 1:48 kit of it in their catalogue for many years. Now, the company had released a new 1:32 model, apparently tooled originally by a different manufacturer but revitalised by Eduard. It comes with a very nice replica of the Argus inverted V8 engine although to actually see it, some plastic surgery will be required to open up the cowlings, which are moulded in with the fuselage. The 108's massive canopy reveals every bit of the cockpit and cabin, so there's a good amount of detail in here and the car-like seats are equipped with pre-painted harnesses. For the desert camouflaged option, much of the rear bench seat is swapped with fuel and oil drums for a more military-looking interior. A host of upgrade parts are on offer for this kit, as previewed in this issue's New Releases Accessories.

- + An interesting subject and a large-scale kit with lots of up-detailing possibilities
- Engine cowling is moulded shut so detail can't be seen without extra work



## ZVEZDA, RUSSIA

### BUMERANG RUSSIAN 8X8 ARMORED PERSONNEL CARRIER

[www.hobbyco.net](http://www.hobbyco.net)

SCALE: 1:35 • MATERIALS: IM, SVT, WS • ITEM NO.3696

The Russian VPK-7829 'Bumerang' is a modular amphibious wheeled infantry fighting vehicle and armoured personnel carrier being developed by the Moscow-based 'Military Industrial Company'. The Bumerang is referred to as 'a combat wheeled vehicle' because, once in service, it will serve several different roles, similar to the USA's 'Stryker' programme. Other variations will cover the roles of armoured transport, armoured ambulance, command post vehicle, reconnaissance vehicle, anti-tank missile carrier, air defence missile launcher, fire support vehicle and mortar carrier. (History edited from Wikipedia). Zvezda's kit comes on five substantial sprues of grey polystyrene, plus one in clear, the lower hull and two sprues of flexible, synthetic rubber for the tyres. The decal sheet carries a range of vehicle numbers plus the black/orange flashes for vehicles on parade. A small sheet of self-adhesive metallic stickers provides the rear-view mirrors. Zvezda's military kits are absolutely magnificent and this is no exception: the model comes with a fully detailed suspension (some modification will be needed to pose the front four wheels in the 'steered' position) plus a hull and top deck that are covered with fantastic raised and recessed detail. All that's needed is DEF Model's brilliant new wheel/tyre set that replicates the weighted look of the real thing.

- + An impressive new kit of a huge modern Russian APC with tons of sinister presence
- Front four wheels will need modification to 'steer'





OR EPS; EXTRUDED PLASTIC SECTION, F; FABRIC, IM; INJECTION MOULDED (PLASTIC), ITL; INDIVIDUAL TRACK LINKS, LC; LIQUID CEMENT, LCC; LASER CUT CARD, KS, PE; PHOTO ETCH, PEPM; PHOTO-ETCHED BADGES/MIRRORS, PMP; PRE-ASSEMBLED METAL PARTS), PS; PAPER STRIP, R; RESIN, SVT; SOFT VINYL TYRES (OR TUBING),



## ICM, UKRAINE O-2A SKYMASTER

[www.icm.com.ua](http://www.icm.com.ua)

SCALE: 1:48 • MATERIALS: IM, WS • ITEM NO.48290

Forward Air Controllers during the Vietnam War acted as air-strike control for artillery, intelligence gathering and combat search and rescue, plus other missions, all dangerous. They were performed by various types of aircraft such as the Cessna O-1 Bird Dog, OV-10 Bronco and perhaps, most famously, the Cessna O-2A Skymaster. This oddly good-looking machine featured in the 1988 film 'BAT 21' and makes an attractive subject for a kit. ICM recently launched this new-tool 1:48 model fairly quietly – it's not a Messerschmitt or a Spitfire after all – but it's a significant release and, from a look at the parts, a very neat kit. It comes on just two sprues of mid-grey polystyrene with an extra in clear, plus a sheet of decals carrying four options: three USAF Vietnam War-period Skymasters in light grey/white and one in overall flat black. Surface detail comprises extremely fine, recessed panel lines and fasteners where appropriate. Crucial for this aircraft is the large front canopy and it's comforting to see it is very thin and clear. The cockpit/cabin is remarkably full from front to back, with a full complement of radio gear provided for the rear of the interior space. This is a very welcome release and ICM have done a lovely job of it.

**+** Brilliant choice of subject, excellent cabin interior detail

**-** Seat harnesses must be sourced by the modeller (from an Eduard set?)



## EDUARD, CZECH REPUBLIC WILDE SAU EPISODE ONE: RING OF FIRE

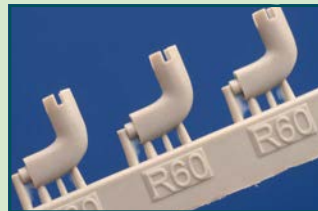
[www.creativemodels.co.uk](http://www.creativemodels.co.uk) [www.eduard.com](http://www.eduard.com)

SCALE: 1:48 • MATERIALS: IM, WS, R, PE, PCM • ITEM NO.11140

Eduard's 1:48 Bf109G-series kits are an absolute triumph of detail and refinement and have appeared in several forms already, with a range of modifications and markings. The latest to emerge from the Czech styrene-meisters is this 'dual-combo' set that provides no less than ten markings-options for aircraft of Oberst Hajo Hermann's 'Wilde Sau' (wild boar) night-fighter unit. The mission was devised to combat RAF Bomber Command's night-time raids which used 'Window' (aluminium foil strips) to confuse German radar systems: the fighters would attack the bombers visually, using any source of light available. Eduard's plastic mouldings are stunning, with extremely fine, recessed rivets covering the airframe between panel lines and hatches. The cockpit is full of many very small parts resulting in beautiful replicas, so long as you have good eyes and tweezers. This is a ProfiPACK level kit, so you'll find a photo-etched instrument panel, harnesses and more (X2) for each kit, along with resin mainwheels and nightfighter exhaust-extenders. Naturally, you can use Eduard's own Brassin upgrade sets to take the detail even further, but these Bf109s will look just marvellous 'straight from the box'.

**+** Fascinating iterations of the Bf109 'Gustav' with tons of detail and very interesting decal options

**-** A high parts-count means these are perhaps more suited to modellers with some experience





## KIT PREVIEW

REVELL 1:24 JAGUAR E-TYPE COUPE ● KIT NO.07668



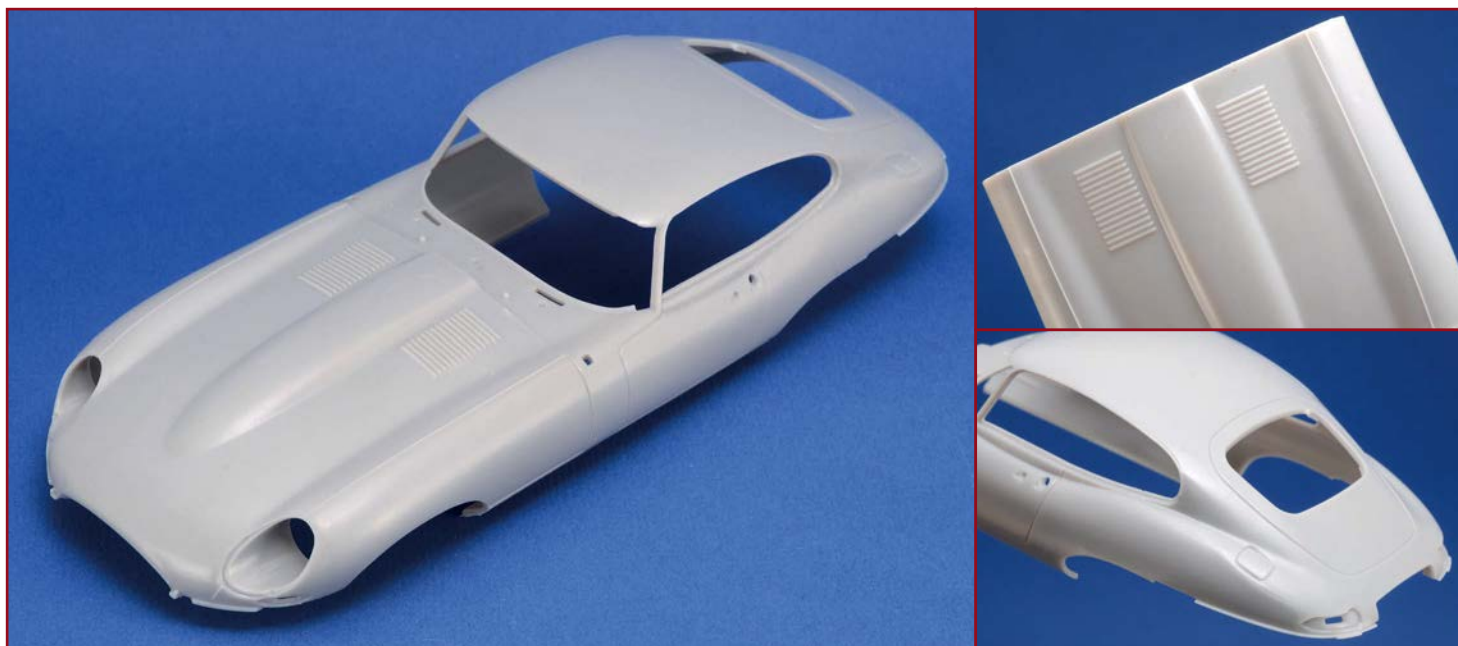
# THE MOST BEAUTIF

Just as this issue was going to press, a package containing a pre-production sample of Revell's all-new 1:24 Jaguar E-Type arrived at TMMI HQ, so we just had to find space for it!

**T**he kit depicts the earlier, FHC (Fixed Head Coupé) car, by far the more elegant design, before it received the bulging headlights and flared wheel-arches of later models. Revell's kit comes with a detailed replica of the 3.8 litre, straight-six engine and the bonnet opens up to show it off. A right or lefthand-drive car can be built from the kit and parts such as

the oval headlight trims (moulded individually), plus wheels, bumpers and other brightwork will be 'chrome' plated in the production kits. We will bring you more on this fabulous new model soon... ●

Revell models, paints and accessories are widely available from good model shops and online suppliers.  
[www.revell.de/en](http://www.revell.de/en)

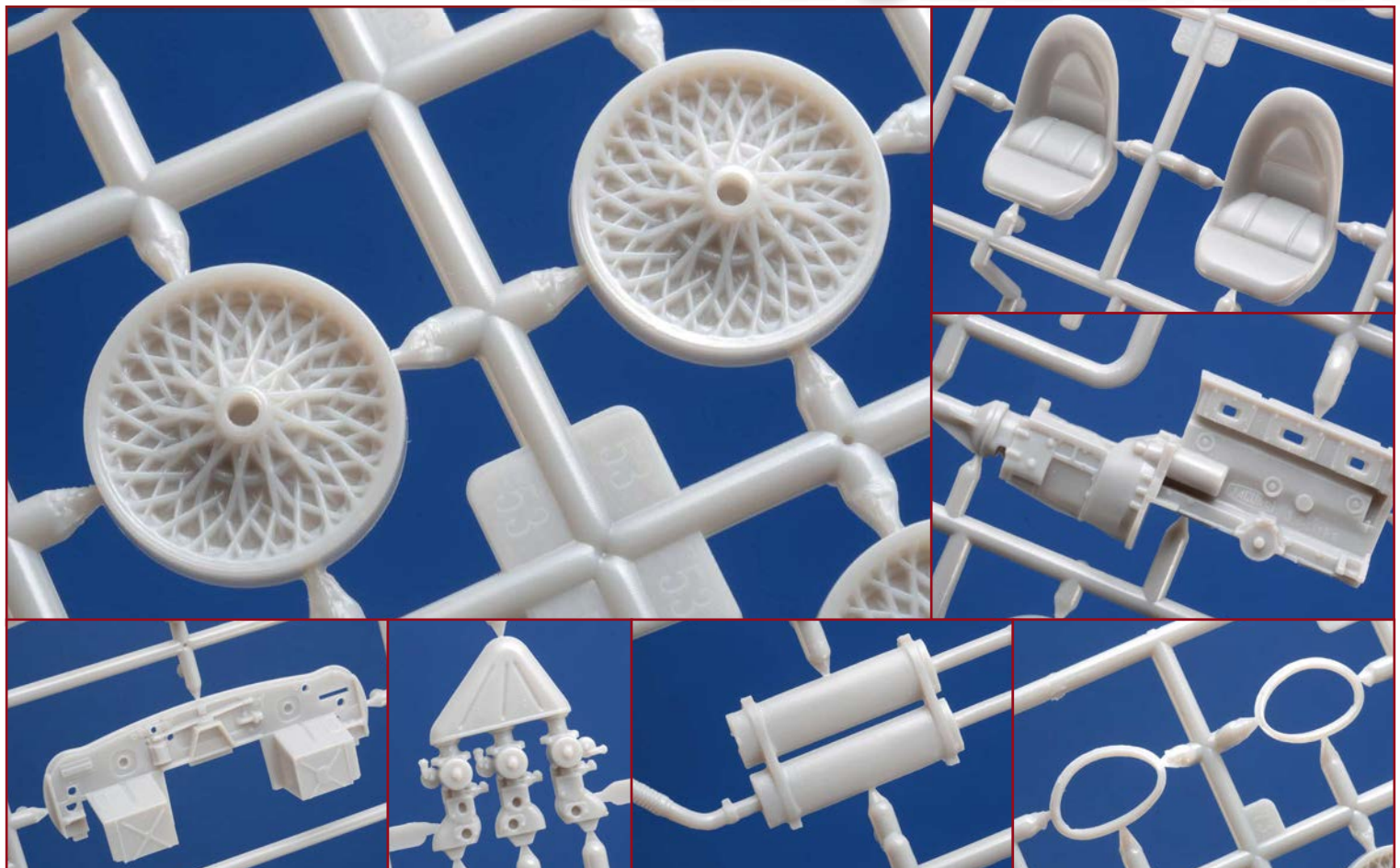






# THE MOST BEAUTIFUL CAR EVER MADE

*\* According to Enzo Ferrari*





## FULL-BUILD: MECHA MODELLING

BANDAI 1:144 GUNDAM BARBATOS LUPUS REX ● KIT NO.0212197





# BARBATOS LUPUS REX!

**Erik Dreister** switches from his usual AFVs and tanks to conquer space with a Gundam!

## Building a base for a Gundam

**F**or those who are not familiar with this universe, the Gundams are models of sci-fi robots directly from Japanese Anime TV programmes which have been all the rage for decades in Japan. I have chosen the 'Barbatos Lupus Rex' which appears in the 'Iron Blooded Orphans' series of 2015/2016 (this one was unfortunately not broadcast in my home country, France). In short, the story takes place in the distant future for control of the planet Mars. Combat units (giant robots) are piloted by young iconic daredevils who take on ever more incredible challenges to defend the values of a more just and equitable world!

### HISTORY AND TECHNIQUE

Barbatos Lupus Rex is a veteran of the 'War of Calamities' which took place 300 years before the events of this series. Although obsolete, it is equipped with two Ahab energy reactors, which give it very high power. He has been regularly upgraded and his armour has been reinforced. He is specially equipped with a new system that sends data directly to his pilot Mikazuki Augus's brain via implants, allowing him to control this combat unit without needing to learn any commands or systems.

Of all the Gundam-type combat units in the series, this robot is the most balanced in terms of versatility and performance. He is usually armed with a large energy discharge club, in addition to a sword directly connected to the energy generator. For those who want to know more, I recommend the site: [gundam-france.com](http://gundam-france.com).



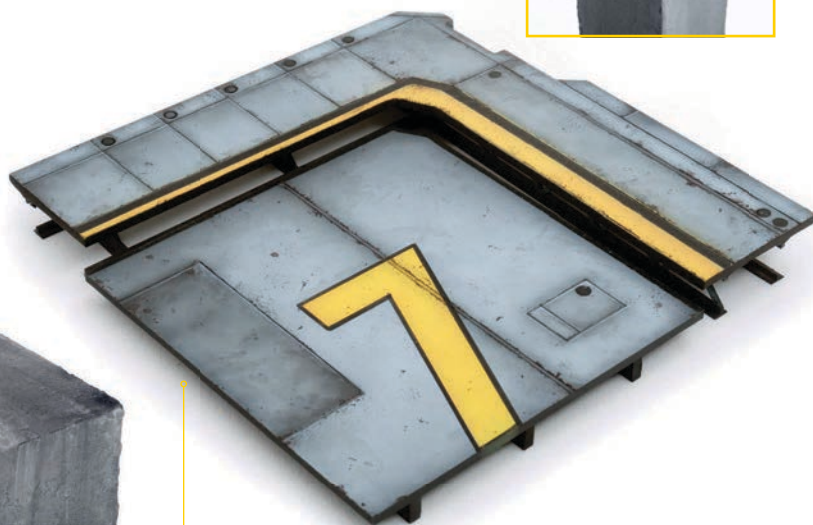
To create this setting, the author wanted to represent the interior of a hangar with different levels that would have been partly destroyed during the battles of the Gundam against its opponents. The base of the diorama and the pillar were cut from very dense, blue insulating-foam, the pipes being simple plastic straws. The platforms were made from plastic card and their supports reproduced with different Plastruc styrene profiles, the industrial beam type



The foam base was covered with a concrete effect wall-coating which proved to be perfect for reproducing the cement-look of the plinth. Two thin coats followed by light sanding were all it took to achieve this finish. At the same time, the plastic parts were primed in black

With the airbrush, the author then made various vertical streaks and blackened certain areas of the base to give it more relief

To represent the top of the destroyed pillar, it was simply broken apart. The foam which composes it was easy to break but the surface texture was unrealistic, so it was also covered with concrete plaster



The platforms were then painted with an airbrush using various shades of grey (mix of Tamiya Lacquer Paint colours). Masks were employed to reproduce the big '7' on the lower deck and the yellow/black edges of the upper deck. A lot of wear marks were applied with a rust colour (Vallejo Dark Rust) using a piece of sponge and a fine brush. The author also enhanced the edges of some panels with a light grey line to give them more relief



## FULL-BUILD: MECHA MODELLING

BANDAI 1:144 GUNDAM BARBATOS LUPUS REX ● KIT NO.0212197



To create the debris, the remaining section of the broken pillar was repurposed and small pieces of foam were covered with the concrete plaster. Some of the plaster was spread over a piece of plastic bag and when dry, it was broken up to form the smallest pieces of rubble and dust



The largest pieces of debris were fixed on the diorama with epoxy glue. Then, the author added some cables from electronic components



Smaller fragments were finally scattered and then fixed using AK Interactive Sand and Gravel Fixer. This product was applied with a brush directly onto the debris. As it dries, it fixes them permanently without leaving any traces

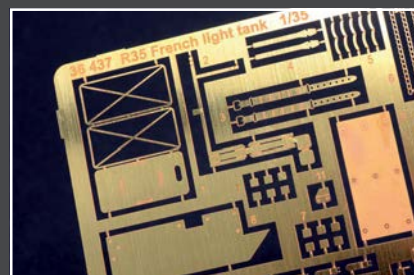
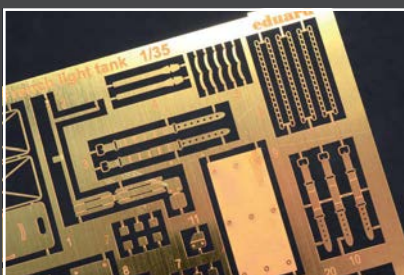
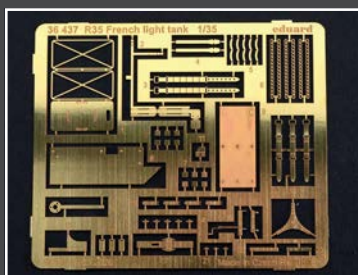
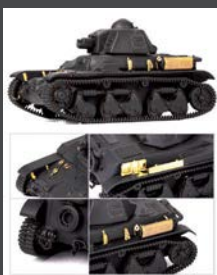
The finished base is finally ready to receive the Gundam figure



## Mini Review...

EDUARD 1:35 R35 LIGHT TANK  
PHOTO-ETCHED BRASS DETAILS (36437)  
FOR TAMIYA  
[www.creativemodels.co.uk](http://www.creativemodels.co.uk) [www.eduard.com](http://www.eduard.com)

Tamiya's new 1:35 R35 French Light Tank makes its second appearance in TMMI this issue and now, Eduard have created a photo-etched detail set for it. As it's for a new Tamiya model, there's not much that needs adding, but the parts on the fret will sharpen up some of the exterior fixtures and fittings, such as the fender braces, tool brackets, jack mount and exhaust box shield stays.





# Assembling, painting and weathering the Gundam

## IN MINIATURE

The 'Barbatos Lupus Rex' is part of the HG (High Grade = High Quality) range from the Japanese manufacturer Bandai which offers a large number of Gundam kits in different scales, from 1:144 to 1:20. For our assembly, I have chosen a 1:144 scale model with a final size of around 15cm. The box features a beautiful space-fight scene and the sides of the box are covered with photos of the finished model in various fighting positions... Enough to inspire a modelling project!

When opening the box, I noticed that one of the four sprues is moulded in different colours (dark grey, red, blue and yellow). This is unusual for those like me who are more accustomed to uniform grey or khaki plastic, but above all it demonstrates the mastery of moulding achieved by the Japanese firm. This allows for coloured parts without the need for painting.

All of the parts are very finely detailed. The other highlight of this kit is that it is assembled without any glue, everything fitting together perfectly. And it remains posable thanks to the vinyl joints. Glue is not necessary and would only serve to permanently fix some parts that I thought were a little too loose.

As I mentioned above, this kit does not normally require painting, however I found it more practical to apply the weathering over a painted base. So I used the colours from the new Tamiya Lacquer Paint (LP) range which are tough enough for handling. To add a more personal touch, I decided to accentuate the ageing of the armour by adding a lot of surface wear and various traces of oxidation. In the end, you get a superb Gundam that you can position as you wish and let your imagination run free to create a futuristic scenario. ●



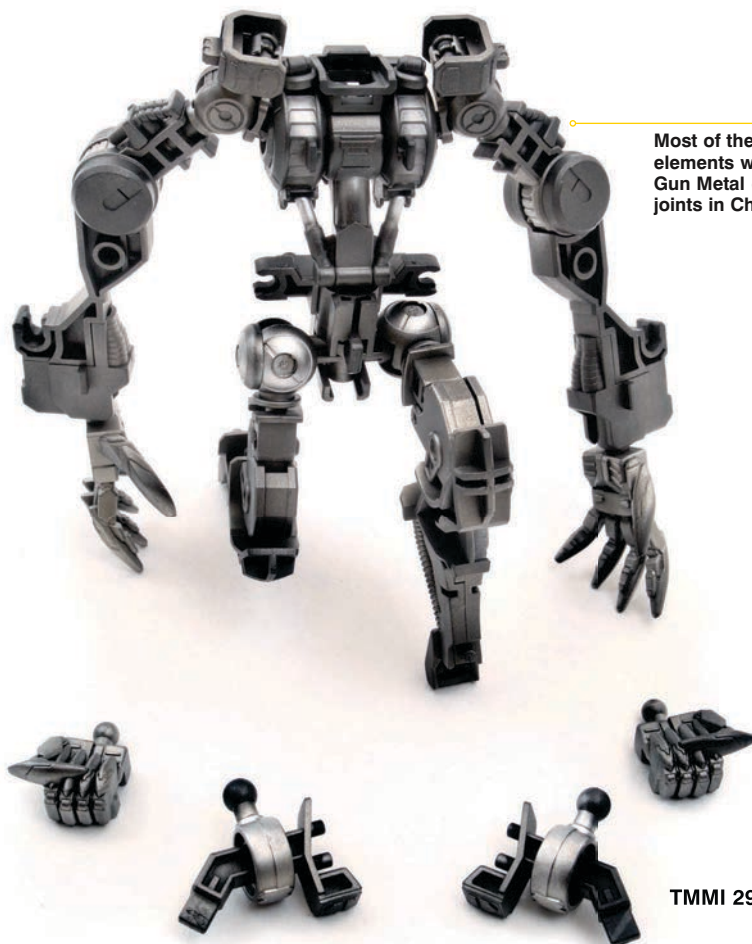
One of the sprues is moulded in several colours, demonstrating the expertise of Bandai in moulding. The parts are very finely detailed



General armour parts were undercoated with Tamiya Light Grey Primer before shading with flat black



The other coloured parts of the kit were treated with suitable gloss shades (LP-7, LP-8, LP-6)



Most of the skeleton elements were painted in Gun Metal (LP-19) and some joints in Chrome (X-11)



# FULL-BUILD: MECHA MODELLING

BANDAI 1:144 GUNDAM BARBATOS LUPUS REX ● KIT NO.0212197



The armour parts were scuffed up with Dark Rust (Vallejo) and a Tamiya extra fine brush



The author also used a piece of sponge dipped in Dark Rust paint to paint more random scratches. Just dip the end of the sponge in Dark Rust and remove the excess paint on a paper towel before patting the sponge on the kit



On the parts painted in black, the author chose to make the scratches in Chrome (X11)

## TECHSPEC...

BANDAI 1:144 GUNDAM BARBATOS  
LUPUS REX KIT NO.0212197

### Materials;

Injection-moulded polystyrene in black, dark grey, white, blue, red and yellow, vinyl joints, section of metal wire covered in black, stickers

### Paints used:

- Tamiya Spray: Grey Primer 87026
- Tamiya Lacquer Paints: LP-3 Flat Black, LP-4 Flat White, LP-6 Blue, LP-7 Red, LP-8 Yellow, LP-10 Thinner, LP-9 Gloss Varnish, LP-25 JGSD Brown, LP-30, Light Sand, LP-19 Gun Metal
- Tamiya Panel Line Accent Color: Black (87131) Dark Brown (87140)
- Tamiya Acrylics: Chrome X-11
- Vallejo Acrylics: Dark Rust
- AMMO by Mig: Oil Brusher Rust

### Other materials used:

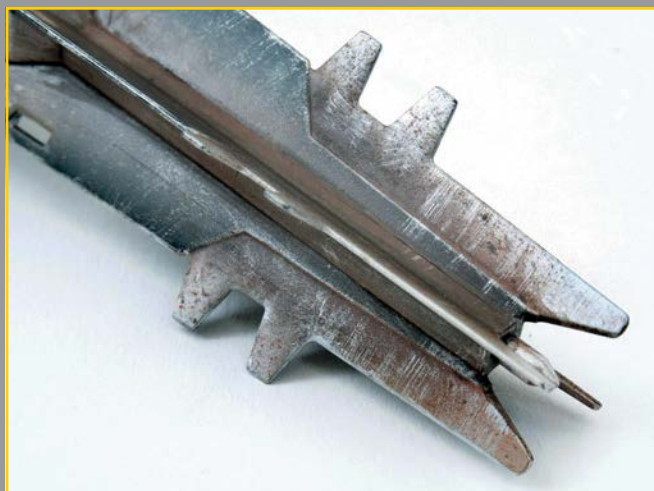
- AK Interactive Fixer: Sand & Gravel Fixer
- Tamiya: Extra Thin Liquid Cement (84038), Modelling knife, tweezers, files, cutting mat, Tamiya abrasive papers (P400, P800, P1200, P2000)
- For the base: Evergreen plastic card, Plastruct profiles, insulating foam (reclaimed)

### Availability;

- Search online for Gundam kits and accessories
- Tamiya accessories, paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; [www.hobbyco.net](http://www.hobbyco.net)
- AMMO by Mig; [www.migjimenez.com](http://www.migjimenez.com)
- Vallejo Acrylics: [www.creativemodels.co.uk](http://www.creativemodels.co.uk)



To create dust effects on the model, it was sprayed with some very diluted JGSD Brown, mainly on the feet and legs before creating Light Sand (LP-30) colour splashes with a toothbrush



Finally, pure Chrome (X-11) scratches were applied to mimic the metal shards from fighting







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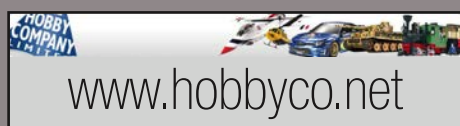
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# NEXT ISSUE

The next issue of TMMI is October 2020  
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## BLADE OF GLORY

Tamiya's first-ever 1:12 Honda Fireblade has arrived. See how this stunning kit goes together, part-by-part

## ...AND MUCH MORE, OF COURSE!

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## WHEN PORSCHE COMES TO SHOVE

Tamiya's classic 1:24 Porsche 936 Turbo gets some subtle detail upgrades

## MAN OF STEEL

A look back at a classic Tamiya heavyweight, the 1:35 Soviet JS-2 'Stalin' tank



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# The Editor's Page...

Go off-piste with a Chevy V8-powered Antarctic tractor!

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## BUILD A TRANS-ANTARCTIC TRACTOR IN 1:35

**T**he 1957/58 Trans-Antarctic Expedition might not immediately spring to mind as a source of scale modelling inspiration

but the specialised 3.5 ton off-road tractors that were used to traverse those treacherous landscapes have 'please build me in kit form' written all over them!

NeOmega UK have produced a 1:35 kit of this amazing machine, cast in light grey polyurethane resin with extensive photo-etched brass etchings for the 'rolling' parts of the tracks. It's a wonderful idea that combines a fascinating vehicular design with back-story of adventure and triumph over adversity.

The kit is best suited to someone who has experience with resin and photo-etched brass but with some careful building and painting, you'll have a soon fabulous replica of this orange beast in front of you, penguins included! Full-build feature coming to TMMI soon. ●

NeOmega models are available to purchase from: [www.neomega-resin.com](http://www.neomega-resin.com)

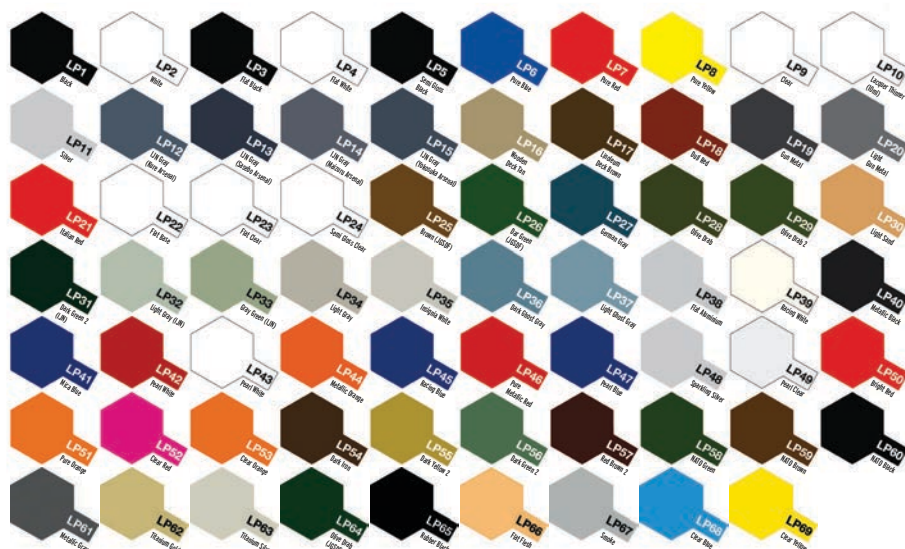




## 69 AUTHENTIC COLOURS DESIGNED FOR MODELLING EXCELLENCE

The Tamiya Colour range of quality paints - designed specifically for modelling use has long helped modellers achieve the perfect finish on their scale masterpieces. Now, existing Tamiya Colour bottled acrylic, plus lacquer spray paints are joined by the new Lacquer Paint line of bottled Tamiya Colours. Use them as your needs require: airbrush large areas, or pick out fine details. With a tough membrane and swift overall drying times - but slow initial drying to allow a beautiful unblemished finish. We are sure they will become an essential item in your modelling armoury.

- No need for primer: gloss and matt colours can be applied directly to model kit plastic
- Quick drying time
- Fabulous when airbrushed, and can also be applied by paint brush to detail areas
- Can be used in a similar way to Tamiya's X and XF line of acrylics
- Weathering colour washes and dry brushing can be applied over the dried Lacquer Paint
- Once dry, can be safely over-painted with acrylics, enamels and other model paints
- Lacquer Thinner Retarder Type (87194) slows initial 'flash off' time, allowing paint droplets to merge on the surface of the model for a smoother finish
- Robust final finish that adheres strongly to the model's polystyrene surface
- Constantly expanding range of colours for military & civilian subjects
- Ultra-high Tamiya quality



### Beautiful colours with superior gloss

The stunning tones and lustrous glossy finish provided by airbrushing Tamiya Colour Lacquer Paint are perfect for model car and motorcycle paint jobs, and it's tough membrane is perfectly suited to treatment with polishing compounds. Colours previously only available as sprays - Pearl blue, Mica red, Pure orange and more, are now in bottled form removing the need for decanting when you want to airbrush.



### Great for airbrushing

Tamiya Colour Lacquer Paint's true, consistent tones make it perfect for airbrushing large areas. Mix 1 part Lacquer Paint with 1-2 parts dedicated thinner, and make 2-3 passes over the subject with your airbrush. Pick out the details with Tamiya Colour mini acrylic paints: Lacquer Paints provide a durable base coat that remains undamaged even by enamel topcoats.



### Efficiency is the name of the game

Tamiya Colour Lacquer Paint dries quickly: most colours are safe to touch after an hour and can be masked on top of 24 hours later, saving valuable time in the production of your masterpiece. Again, as Lacquer Paints provide a durable base coat that remains undamaged by enamel counterparts, there is less worry during paint jobs that require multiple layers of paint.



### No worries when weathering

Tamiya Colour Lacquer Paint's resistance to enamel paints is a big advantage in the weathering process too, as enamel paints are most commonly used for the application of washes and depiction of dirt, grime and oil, in particular on military model subjects. Just apply a Lacquer Paint base coat and get to work weathering!

### ITEM 87198 - PAINT RETARDER

This paint retarder is dedicated to the Tamiya line of lacquer paints. Retarder slows drying of paints for beautiful finishes and limits blushing in humid conditions. By slowing the drying of the paint it lessens the likelihood of brush marks remaining and blemishing your surface coat.



### ITEM 87194 - LACQUER THINNER RETARDER TYPE

This new product not only thins lacquer paints for airbrushing, it also includes retardant to slow the drying of the thinned paint, particularly useful in covering up any overspray and getting a glossy finish.



### ITEM 87077 - LACQUER THINNER

This thinner has a variety of uses in addition to the thinning of lacquer-based paints. It is also useful when cleaning painting tools and airbrushes, removing unwanted paint or excess putty, and even thinning liquid surface primers.





# Honda CBR1000RR-R FIREBLADE SP

1/12 Motorcycle Series (Item 14138)

1/12  
SCALE

RRR<sup>SP</sup>



## The Complete Package

Legendary motorcycle manufacturer Honda wowed the world again in 2019 with the announcement of the CBR1000RR-R Fireblade, a bike built to ride the roads, but with a decidedly circuit-oriented feel: its powerful 999cc engine pumps out a class-leading 217.5PS, augmented by a full suite of electronics designed to help the rider use the motorcycle to its maximum potential, plus electronically controlled suspension on the high grade SP specification bike. Next-level aerodynamics integrate triple winglets in either side cowl. This sleek powerhouse now makes its way into the extensive Tamiya 1/12 Motorcycle Series of models, dripping with scale detail and ready to be the next hot thing in your collection.



Slide molded fuel tank and tank cover components capture the complex shapes in style.



Choose whether to assemble with the standard tandem or the optional single seat design.

### Add another layer of breathtaking detail!

Detail-Up Parts Series

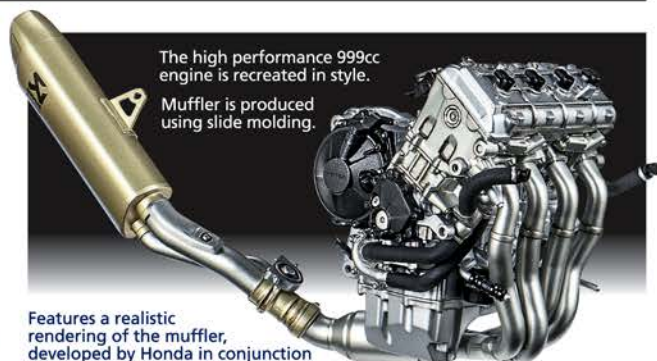
1/12 Honda CBR1000RR-R  
Front Fork Set

Item 12690 (sold separately)

On Sale Now!



★Images show assembled and painted kit. ★Product may vary from images shown. ★Models shown have separately sold Item 12690 installed.



The high performance 999cc engine is recreated in style.  
Muffer is produced using slide molding.

Features a realistic rendering of the muffer, developed by Honda in conjunction with racing brand Akrapovic.

★Engine, swing arm, front fork and muffer are screw-attached to the frame. ★Side and under cowls are removable. ★Brake discs have drill holes recreated. ★Metal transfers depict mirror surfaces.



Racing stand included.

Comes with decals for two liveries, and masking stickers.

Length: 176mm Width: 68mm Height: 96mm

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