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£4.60 November 2019 ISSUE 289



TAMIYA

**LET'S DO THE
GAZOO!**

SUPERDETAILING
TAMIYA'S 1:24
GAZOO RACING
TOYOTA TS050



Model MAGAZINE

INTERNATIONAL

www.tamiyamodelmagazine.com



LIGHTNING STRIKES!

TAMIYA'S NEW 1:48 P-38
LIGHTNING, STEP-BY-STEP

INSIDE

*Tamiya 1:35 Hetzer ambush camouflage, 1:24 Only Fools and Horses Transit,
Tamiya 1:12 Porsche 934 Jägermeister plus new kits, books and accessories...*

DOOLITTLE
MEDIA



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89

1/16 SCALE RADIO CONTROL TANK
U.S. AIRBORNE TANK M551
SHERIDAN

**1/16
SCALE**

R/C model assembly kit
Length: 408mm, width: 177mm,
height: 186mm (includes gun shield)



Airborne Armor

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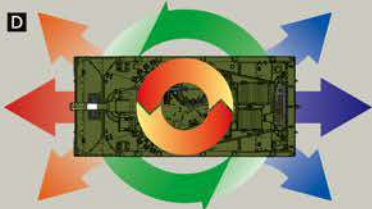
1/16 R/C Tank Series U.S. Airborne Tank M551 Sheridan (Item 56043) Full-Option Kit

A TRULY IMMERSIVE EXPERIENCE

The lightweight M551 Sheridan was designed as an airliftable tank, a cutting-edge design with aluminum alloy hull and powerful 152mm gun/launcher. Work began on it in 1959, and it remained in service with combat units until 1996. It is the subject of this super-realistic R/C model, with the powerful form captured in style and a whole range of coordinated sounds and motion for awe-inspiring realism.

- Realistic aluminum 152mm gun/launcher barrel with LED providing muzzle flash.
- Gun is automatically raised to avoid hitting hull rear when rotating.
- 60mm bass reflex speaker with duct gives the model deep, rich sound.
- Pre-assembled resin tracks have soft pads for a truly authentic finish.
- Metal chassis, suspension arms, drive sprockets and more mean this is a durable model.
- Compatible with the separately sold Tamiya Battle System.

- Coaxial machine gun features light and sound. Gun recoil and vehicle kickback are also recreated.
- Full turret rotation and gun elevation from -5 to +15 degrees.
- Commander figure is for placement at the M2 machine gun.



■ Different combinations of stick motion allow a range of turn radii including pivots. ■ Rear mounted gearboxes with type 380 motors give reliable power at all speed ranges. ■ DMD T-11 control unit has an LCD display for easy setup changes. ■ Requires separately sold 4-channel transmitter, battery pack and charger.

AN INTERNATIONAL LINE-UP OF 1/16 SCALE R/C TANKS AWAITS



German Panther Type G
Full-Option Kit (Item 56022)



Russian Heavy Tank JS-2 Model 1944
Full-Option Kit (Item 56035)



U.S. Main Battle Tank M1A2 Abrams
Full-Option Kit (Item 56041)

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



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Superdetailing Tamiya's 1:24 GAZOO
Racing Toyota TS050



Model MAGAZINE INTERNATIONAL

Issue 289 November 2019

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IN BRIEF...



TAMIYA

- 1:12 Street Rider
- 1:32 Mini4WD Toyota GR Supra (MA Chassis)
- 1:32 Mini4WD Dypine (FM-A Chassis)
- 1:32 Mini4WD Hyundai i20 Coupe WRC (MA Chassis)
- 1:48 Panther Aus.D
- 1:35 US Self-Propelled AA. Gun M42 Duster (w/3 Figures)
- 1:16 US Airborne Tank M551 Sheridan (Display Model)
- 1:10 RC TRF420 Chassis Kit
- 1:10 XB Tyrrell P34 Six Wheeler 1977 Monaco GP (without R/C System)
- 1:10 RC Comical Frog (WR-02CB)
- 1:10 Scale RC Mercedes-Benz G 500
- 1:14 RC Mercedes-Benz Arocs 3348 6x4 Tipper Truck Red Cab & Silver Bed Edition
- 1:14 RC Monster Beetle Trail (GF-01TR)
- 1:14 RC Volvo FH16 Globetrotter 750 6x4 Timber Truck (Factory Finished)
- Microcomputer Robot (Wheeled Type)
- Acrylic Mini XF-91 IJN Gray (Yokosuka Arsenal)

hobbyco.net

COPPER STATE MODELS

- 1:35 Romfell WW1 armoured car

copperstatemodels.com



EDUARD

- 1:72 MiG-21MF Weekend
- 1:48 P-400 ProfiPACK
- 1:48 Jabo Fw190A-5/U3-U8 Limited Edition
- 1:48 Spitfire Mk.IXc late ProfiPACK
- 1:48 MiG-23BN Limited Edition

creativemodels.co.uk
eduard.com



RYE FIELD MODEL

- 1:35 M551A1/M551A1 TTS Sheridan

tigerhobbies.co.uk



TRUMPETER

- 1:35 Russian 1S91 SURN KUB Radar
- 1:35 MAZ-537G Late Production type with ChMZAP-9990 semi-trailer
- 1:35 Russian 1S91 SURN KUB Radar

pocketbond.co.uk



NEW FROM TAMIYA

1:24 Toyota GR Supra

Coming soon from Tamiya is the new Toyota GR Supra in 1:24. It's a 'curbside' production with no upper engine detail but does have a highly detailed cabin and ultra-accurate bodysell.

www.hobbyco.net



NEW FROM REVELL

1:400 Queen Mary 2 Platinum Edition

Revell have thoroughly overhauled their 1:400 kit of Queen Mary 2, adding a vast quantity of photo-etched brass and wooden decking. It will look spectacular when finished!

www.revell.de/en



NEW FROM TRUMPETER

1:48 H-34 US Marines, H-34 US Navy Rescue

This pair of handsome H-34 helicopters were originally tooled by Trumpeter and originally released under MRC's Gallery Models range, but will soon be issued as Trumpeter-branded models. Great news for helicopter modellers. www.pocketbond.co.uk

NEW FROM TOP STUDIO

1:12 Williams FW14B cockpit up-detail set 1

Tamiya's fantastic 1:12 Williams FW14B kit from the early 1990s is the recipient of this astonishingly realistic cockpit detail set from Top Studio. www.hiroboy.com



ON THE WAY FROM EDUARD

1:24 F6F-5 wheel bay

Airfix's recently launched 1:24 Grumman Hellcat has already has its undercarriage bays revamped courtesy of Eduard. Here we see an a section of the PE brass and it looks fantastic! www.creativemodels.co.uk
www.eduard.com



ON THE WAY FROM TRUMPETER

New naval kits

Coming soon from Trumpeter in 1:350 are the USS Langley CV-1 carrier and HMS Kent 1942. In 1:700 we have the carrier USS John F Kennedy CV-67. Expect excellent levels of detail. www.pocketbond.co.uk



ON THE WAY FROM ZVEZDA

1:72 Soviet WWII Petlyakov Pe-2 fighter/bomber

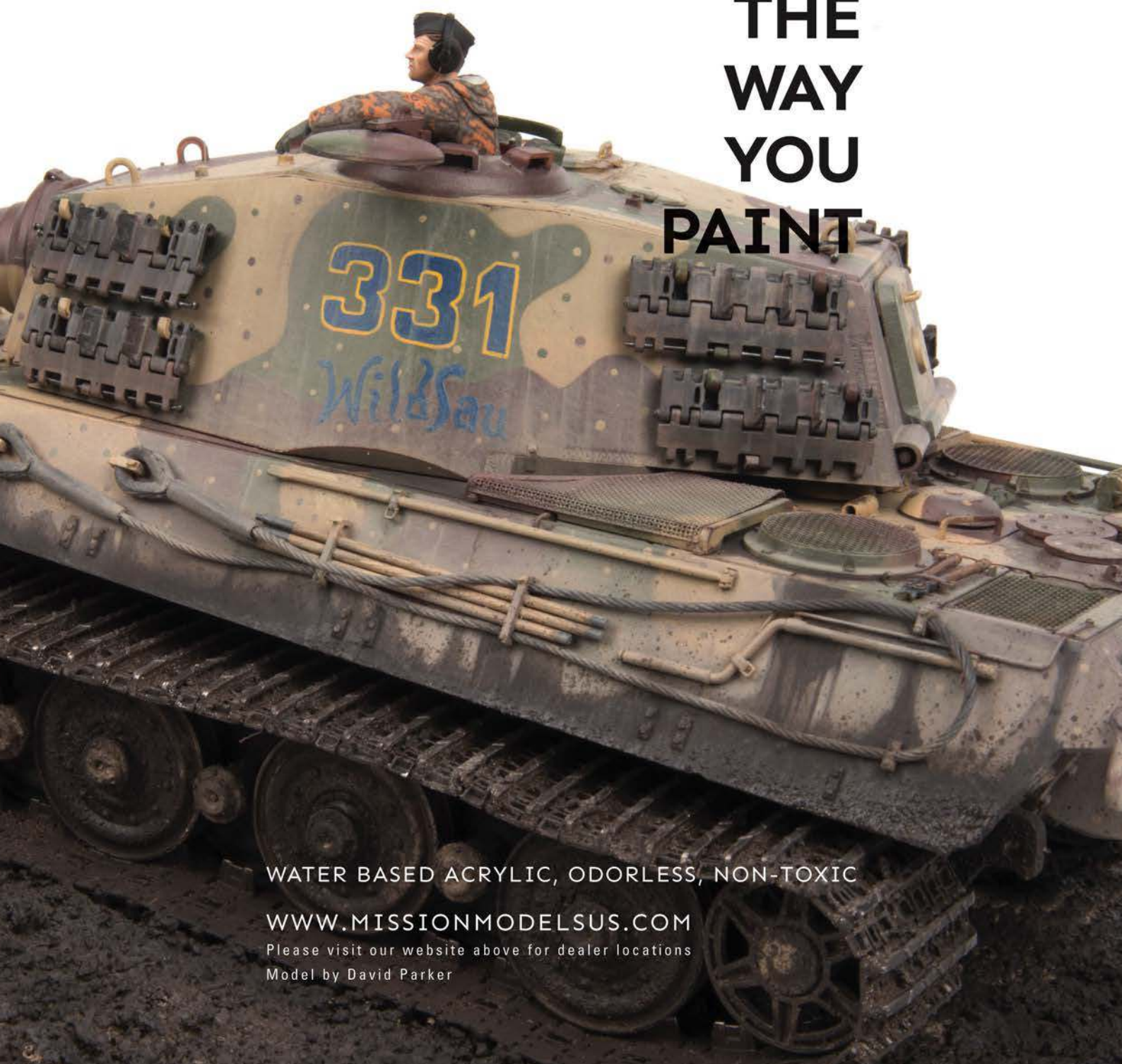
Zvezda's Petlyakov Pe-2 proved to be hugely popular in 1:48 and now fans of 1:72 will be happy, as it is being scaled down. Expect the same high levels of detail. www.hobbyco.net



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Model by David Parker

Model Craft
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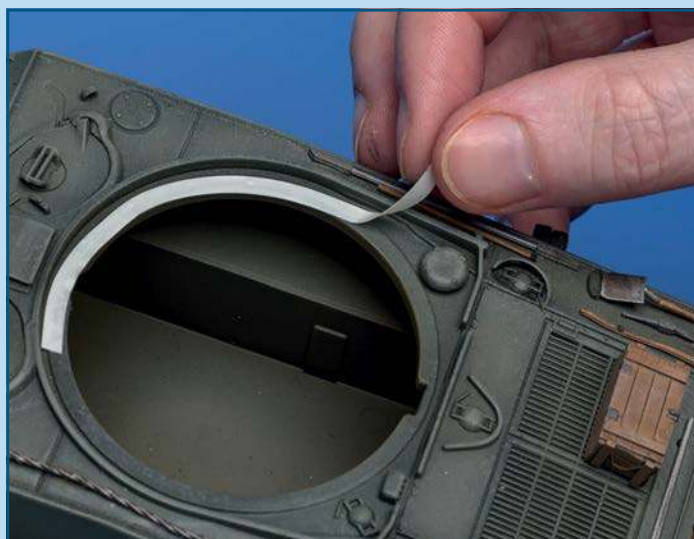
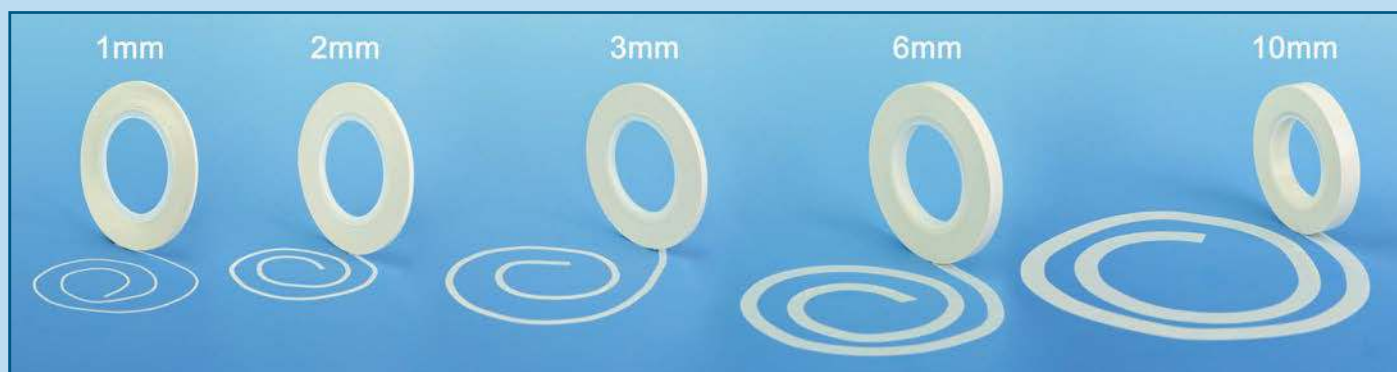
We have teamed up with our friends at Model Craft so we can offer you a special gift for subscribing with us for 24 issues.

Flexible Masking Tape Set

These making tapes are ideal for Modelling, Airbrushing, Arts, Craft, Hobby and even those smaller DIY tasks. The tape sticks, stays and removes cleanly. It is also U.V. protected for masking in direct sunlight.

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- Comes in twin packs, so you receive 10 packs
- 180m of masking mayhem!
- FREE GIFT worth over £28!





(Photocopies of this form are acceptable)

FULL-BUILD: WORLD WAR TWO ALLIED AVIATION
TAMIYA 1:48 LOCKHEED P-38F/G LIGHTNING ● KIT NO.61120



PART 2

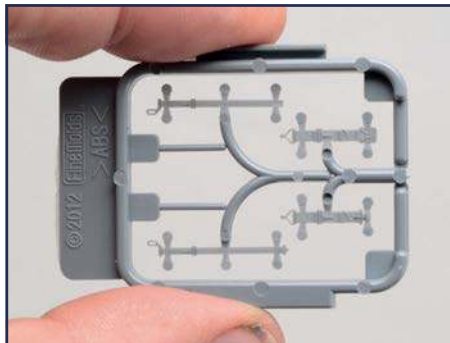
LIGHTNING STRIKES:

BUILDING TAMIYA'S 'GABELSCHWANZ TEUFEL' IN 1:48



To conclude this two-part feature on Tamiya's new 1:48 Lockheed P-38F/G Lightning, Marcus Nicholls describes the assembly of the engine air intakes, radiators, the nose-mounted .50cal M2 machine guns, plus the all-important airframe painting and weathering!

Fine Molds' pilot's seat harness



The harnesses are moulded in flexible ABS plastic which allows a reasonable degree of bending to shape



The detail incorporated in the moulded belts far surpasses other materials; this is an extreme close-up!

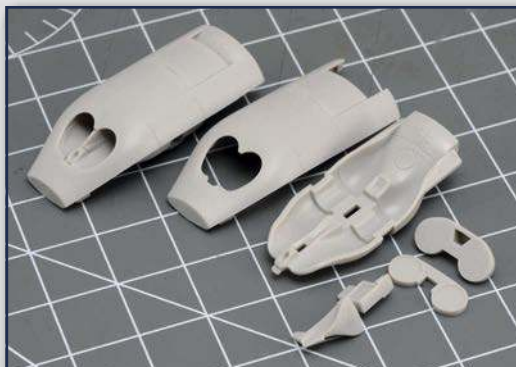
Fine Molds' amazing 'Nano Aviation' seat harnesses were used in the Lightning's cockpit



Painted and in place, a shoulder strap was bent to shape and draped over the cockpit edge on the finished model



Painting and assembling the Lightning's engine air intakes



Tamiya have designed the intakes for this kit with an amazing degree precision and clever planning



Each intake builds into a little module with filter cartridge detail for and aft

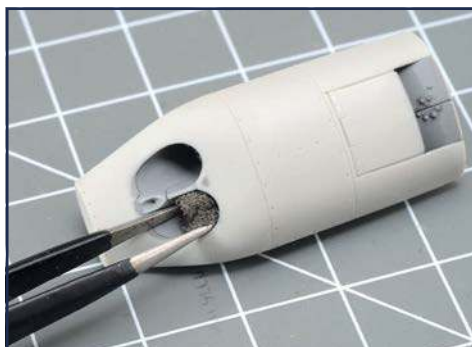
Here we see the parts-breakdown of the intakes, which have been painted here



The forward-facing filters were painted with a brass-colour, followed by a detail-enhancing colour-wash



The assembled filter unit, awaiting installation



One the intake units had been painted and assembled, small pieces of rubber foam were pushed into the apertures to protect the inner during airframe painting

Revell

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LEVEL 3

NEW TOOL



07047 Land Rover Series III LWB, 1:24

LEVEL 4



05690 Gift Set - Harrier GR.1 50th Anniversary, 1:32

LEVEL 5

TECHNIK



00455 Volkswagen T1 Samba Bus - Technik, 1:16

LEVEL 5



07659 Kenworth W-900, 1:25



01205 AT-AT (Bandai), 1:144

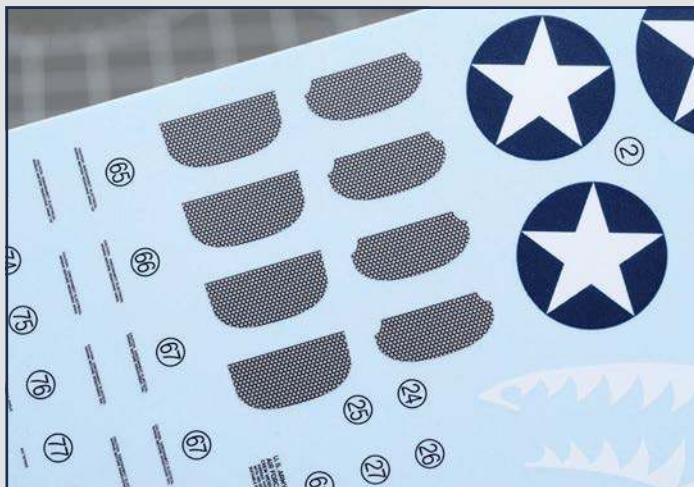
BANDAI

Available from all good model stockists and online from

hobbycraft

hobbycraft.co.uk/brand/revell

Painting and assembling the Lightning's engine radiators



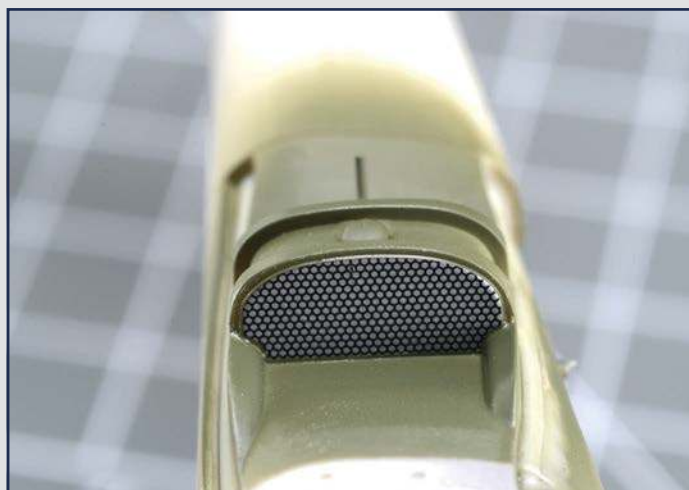
Even though they finish up being buried deep within their housings and all but impossible to see, Tamiya provide mesh-pattern decals to depict the engine radiator faces!



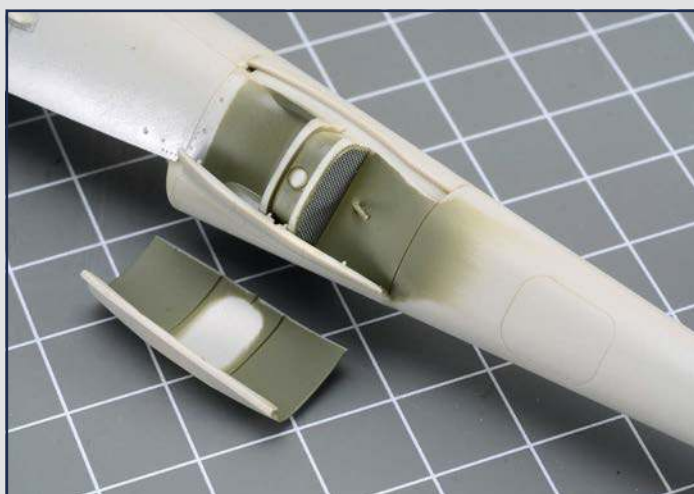
Firstly, the internal surfaces were sprayed olive drab



The decals (eight in total) were then applied in the normal way



Each mesh-effect decal fitted perfectly, and you would expect from Tamiya



Once the decals had dried, the outer shells of the intake housing were cemented in place



Inside here is some nice detail, but barely visible on the finished model!

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Concessions £7.00*



IPMS Members FREE Admission



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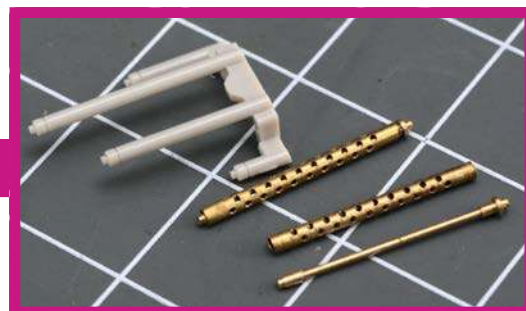
*Concessions means either Seniors (over state retirement age) or Registered Disabled (accompanying carer gets free admission)

Installing Aber's M2 Browning machine gun barrel



Aber offer a set of two M2 Browning barrels in machined brass and they look fantastic, a must-have for this model but you'll need to purchase two packs

Tamiya provide the nose-mounted .50cal M2 Brownings barrels with smooth surfaces, the drilled effect being simulated with decals. Such a prominent area of this magnificent model needs something a little more authentic-looking



Once trimmed to length using the kit part as a guide, the brass barrels were mounted to the kit's backing plate after cutting down the original barrels to small pegs that acted as pins for the replacement parts

The nose-cone of the model was held in place with BluTack whilst painting the airframe to allow it to be removed so the barrel set could be painted on its own and re-fitted later. The effect is far more realistic than the 'solid' jacket kit barrels



Painting the Lightning's airframe



P-38 Lightnings in action frequently exhibited extensive paint wear at the wing roots where pilots and crew had climbed into the cockpit. After a base coat of Tamiya LP-11 Silver, AMMO by Mig Alclad II Chrome (ALC107) was applied for an extra shiny finish

AK Interactive 'Heavy Chipping Fluid' was then applied by brush over the silver areas, to be revealed later on



To form a barely visible mottled pattern beneath the olive drab upper colour, Uschi van der Rosten's 'Trinity Splatter' airbrush templates were used on the project



The template was held against the model and a dark brown colour airbrushed through it, creating the pattern seen here



Once the olive drab upper colour started to be applied, the mottled pattern was only barely. It's a great way to kick start the weathering and surface-effects processes

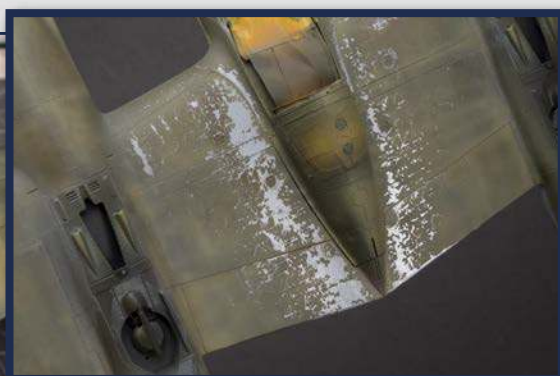
When unpacked from overseas transit, some P-38s exhibited traces of the sealing tape that had been applied along panel lines at the factory



The sealing tape was applied over key areas such as the gun-packed nose bay to presumably keep out corrosive sea spray when being delivered by ship. Thin strips of Tamiya masking tape were applied over the gun access hatches to simulate this effect. A light overspray with a dark colour and the job was done



Using plain tap water and a sharpened wooden cocktail stick (toothpick) the olive drab was scraped away where the chipping fluid had been applied, closely following reference photos to simulate the patterns of the paint-worn areas



Here we see the 'raw' effect. Multiple layers of weathering will tone this down quite a lot



Tamiya chose not to apply all the rivet lines on the P-38's airframe but there are still a lot of engraved panels lines then need accentuating and for this, Tamiya Panel Line Accent Color Dark Brown is perfect

The Ford GT Super Detail Kit

Limited Production - Get Yours Before It Crosses Our Finish Line!

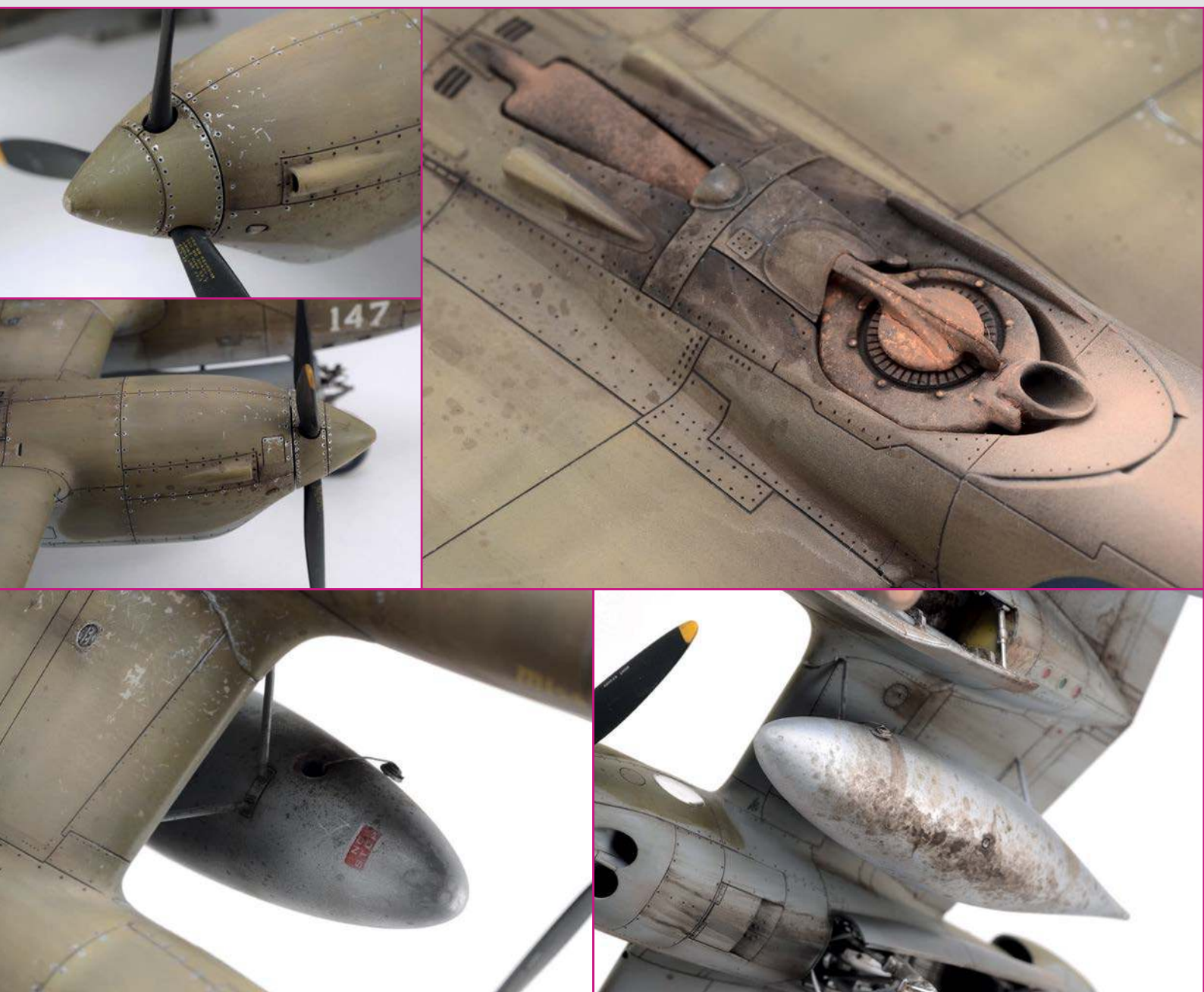
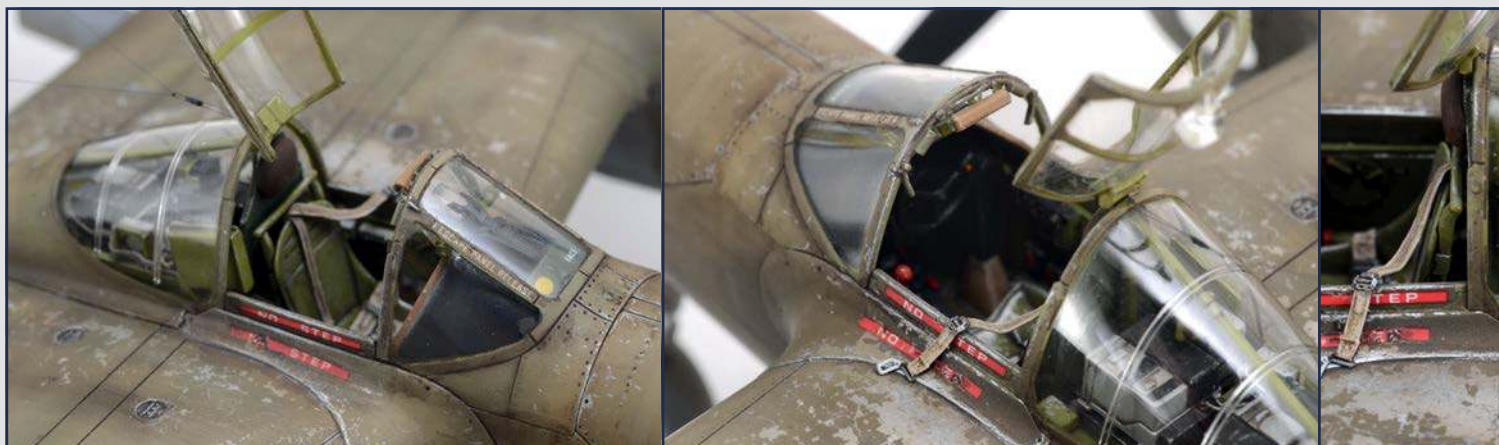
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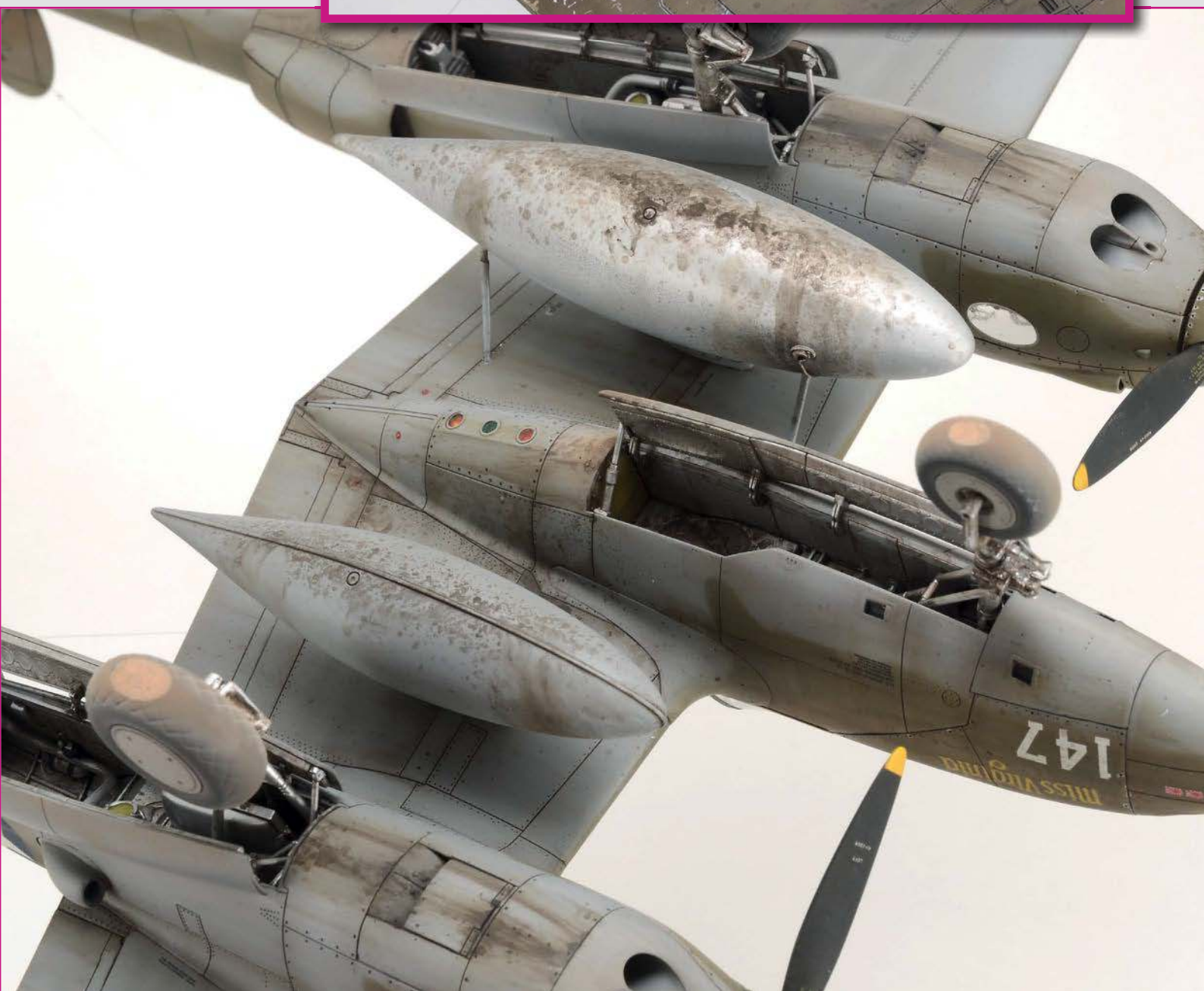
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FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

TAMIYA 1:48 LOCKHEED P-38F/G LIGHTNING ● KIT NO.61120





FULL-BUILD: WORLD WAR TWO ALLIED AVIATION

TAMIYA 1:48 LOCKHEED P-38F/G LIGHTNING ● KIT NO.61120



TECHSPEC...

TAMIYA 1:48 LOCKHEED P-38F/G LIGHTNING KIT NO.61120

Materials;

- Injection-moulded polystyrene, polycaps, masking sheet, waterslide decals

Paints used:

- Mixes of Tamiya Lacquer Paints

Accessories used:

- Fine Molds Nano Aviation: WWII US aircraft seatbelt set (NC.4)
- Aber: X2 sets of US .50cal machine gun barrels M-2 Browning (A48017)
- Uschi van der Rosten 'Trinity Splatter' spraying templates

Weathering:

- Tamiya Panel Line Accent Color Dark Brown

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
- Uschi van der Rosten: www.uschivdr.com
- Aber: www.aber.net.pl
- Fine Molds Nano Aviation: search online

SOLUTION BOX

The new WWII German Late Solution Box 04 is the latest addition to the Solution Box family. This exclusive AMMO product offers a complete painting and weathering system used to complete the entire finishing process on your models. Beginning with the application of the primer coat and camouflage colours, each weathering effect including filters, washes, streaking, chipped paint, dust & dirt, to the last details such as mud stains and oil & fuel stains.

This innovative set contains everything you need except the model! A great idea for novice modellers who are just beginning to dabble in the hobby or for those more experienced who want to have a straightforward resource with everything they require in one box without having to select and source each product one by one. **SOLUTION BOX WWII GERMAN LATE** offers you everything required to paint and weather your models of the German field vehicles during the late stage of WWII.



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in one BOX*



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A.MIG-0011 DUNKELGELB AUS '44 DG I	A.MIG-3021 POLISHED METAL
A.MIG-0015 SCHOKOBRÄUN	A.MIG-3510 OILBRUSHER RUST
A.MIG-0036 OLD WOOD	A.MIG-3512 OILBRUSHER DARK BROWN
A.MIG-0044 CHIPPING	A.MIG-3516 OILBRUSHER DUST
A.MIG-0045 GUN METAL	A.MIG-1750 DRY EARTH
A.MIG-2016 TRANSPARATOR	A.MIG-1704 HEAVY EARTH
A.MIG-1510 TAN FOR 3 TONE CAMO	A.MIG-8612 SYNTHETIC ROUND BRUSH 2/0
A.MIG-1000 BROWN WASH FOR GERMAN DARK YELLOW	A.MIG-8621 SYNTHETIC FLAT BRUSH 6

*Solution Book guide
included*



SOLUTION BOOK 04 will allow you to follow each step in a simple and intuitive way without texts by using a simple set of icons that will provide you with precise instructions at a glance for every step.

We have chosen Kingtiger Henschel turret from **AMMO** at 1/35 scale as the example to show all the required steps, you must keep in mind that the same processes can be applied in the same manner and in the same order for any WWII German late war vehicle, no matter if it is a truck, halftrack or armoured vehicle.

Now simply choose your favourite model and start painting it right now!



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FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:35 JAGDPANZER 38(T) HETZER MITTLERE-PRODUKTION ● KIT NO.35285

Even in 1:35, the Jagdpanzer 38(t) is a small model with a fairly 'clean' outline, thus lending itself perfectly to a quick-to-build model kit



CZECH MATE!

PAINTING TAMIYA'S 1:35 RABBLE-ROUSER

Leo Han builds Tamiya's beautifully designed and easy to assemble Jagdpanzer 38(t) 'Hetzer' and gives it the full 'ambush scheme' camouflage



About the author

My name is Leo Han and I am a tank fan and scale modeller from Taiwan!

The Jagdpanzer 38(t) – better known as 'Hetzer' – is one of my favourite World War II German 'tanks'. It was modified from the Škoda Panzer 38(t) tank to give it large, round roadwheels and a very simple suspension. Among all the vehicles modified from the-then Czechoslovakian Pz.38(t), the Hetzer has a most special shape. Its hull has a very low profile and sometimes sported some very interesting camouflage schemes. Anyone who likes German World War II tanks should take the opportunity to build one. 🕒

FULL-BUILD: WORLD WAR TWO AXIS ARMOUR

TAMIYA 1:35 JAGDPANZER 38(T) HETZER MITTLERE-PRODUKTION ● KIT NO.35285

A subtle build-up of dried mud and dust effects by the author add realism have not obscured the camouflage colours too much



ABOUT ASSEMBLY

Striving to make the best-possible Hetzer model, I purchased several products from many brands, including Tamiya, Dragon and so on. After some comparison, the Tamiya kit is the most beautiful and very easy to assemble, so I chose to build this one. There is not a lot to say about the

assembly stages, it all goes together with ease. I built it purely out-of-the-box, because Tamiya production is extremely well designed. The only modification made was to the armoured side 'schürzen' parts, which were originally one piece for each side. I chose to cut them into three individual parts each, for a more realist effect.

THOSE COLOURS..

To accurately re-create the 'ambush' camouflage pattern, I used a pre-cut masking set. After spraying the base colour, I applied the camouflage mask and then proceeded to the next colour, using Mr.Hobby paints for spray painting. The brown shade was made from a mixture of No.41, 3 and 39,

the green was made from No.135 and 64 and the dark yellow was No.36 and 62. The ratios of colours were adjusted during the actual spray painting for subtle variation. For the small colour ambush 'chunks' on top of the camouflage colour, I used the water-based paints of Vallejo and hand-painted them. For the mud on the

The three-colour camouflage colours were carefully mixed by the author to work with each other in tone and shade



TECHSPEC

TAMIYA 1:35 JAGDPANZER 38(t) HETZER
MITTLERE-PRODUKTION KIT NO.35285

Materials;

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

Paints used:

Mr Color: camouflage brown: 41 Red Brown,
3 Red, 39 Dark Yellow. Camouflage green:
135 Russian Green (1), 64 Yellow Green.
Camouflage dark yellow: 39 Dark Yellow,
62 Flat White.

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

Availability;

Mr Hobby paints are widely available from
good model shops and online. UK import and
distribution by www.albionhobbies.co.uk

The detail incorporated
by Tamiya in the Hetzer
is very refined, but the
kit is still an excellent
choice for a beginner
as it is well designed
and builds up easily

chassis, I used several
weathering products of
different brands of pigment to
simulate a dried mud effect.

Thanks to the Hetzer's
interesting shape and
unique camouflage style,
I feel the results were
extremely pleasing; although
it was just an OOB build,
many of my friends and
fellow model builders liked it
too. I believe that there are
many people out there who

want to build their models
easily and quickly and
achieve attractive results
in less time than a major
project might take. Tamiya's
Hetzer is such a kit! Many
friends said that building
tanks with on the Pz.38(t)
chassis would be addictive,
and I found this to be true!
After this Hetzer, I would
like to build more Pz.38(t)
chassis tanks and I suggest
you try it out too! ●

Tamiya 1:35 Panzerkampfwagen 38(t) Ausf.E/F

If you've been bitten by
the Pz.38(t) bug, Tamiya
are adding to the fun. On
the way soon is an all-new
kit of the Pz.38(t)E/F in
1:35. The model will be a
completely new tooling and
will come with link-length
tracks plus markings for
Eastern Front campaigns.
www.hobbyco.net



Numerous vehicles were built on modified Pz.38(t) hulls: here we see Dragon's
15cm-armed S.I.G.33/2SF auf Jagdpanzer 38(t) Hetzer alongside the Tamiya model

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LITTLE CAT AT KURSK!

Tamiya's 1:48 Panther family has just expanded to include the Ausf.D

It may seem hard to believe, but Tamiya launched the first 1:48 Panther (Ausf.G) way back in 2005. Since then the 1:48 Military Modelling Series has grown exponentially, but with one notable omission, an early-model Panther. This has now been rectified with the release of the Ausf.D which, aside from the cast metal lower hull (and integral suspension arms) taken from the Ausf.G, it is a new kit. Across just four sprues and an upper hull, we have a marvellous little model of the Panther's earlier variant and all the features you would expect to see are correctly replicated. Perhaps the clearest visual indicator of the Ausf.D is its drum-shaped cupola atop the turret and this has been replicated by a single moulding. In reality it was filled with optical equipment but if you install the commander figure and turret hatch its absence will not be

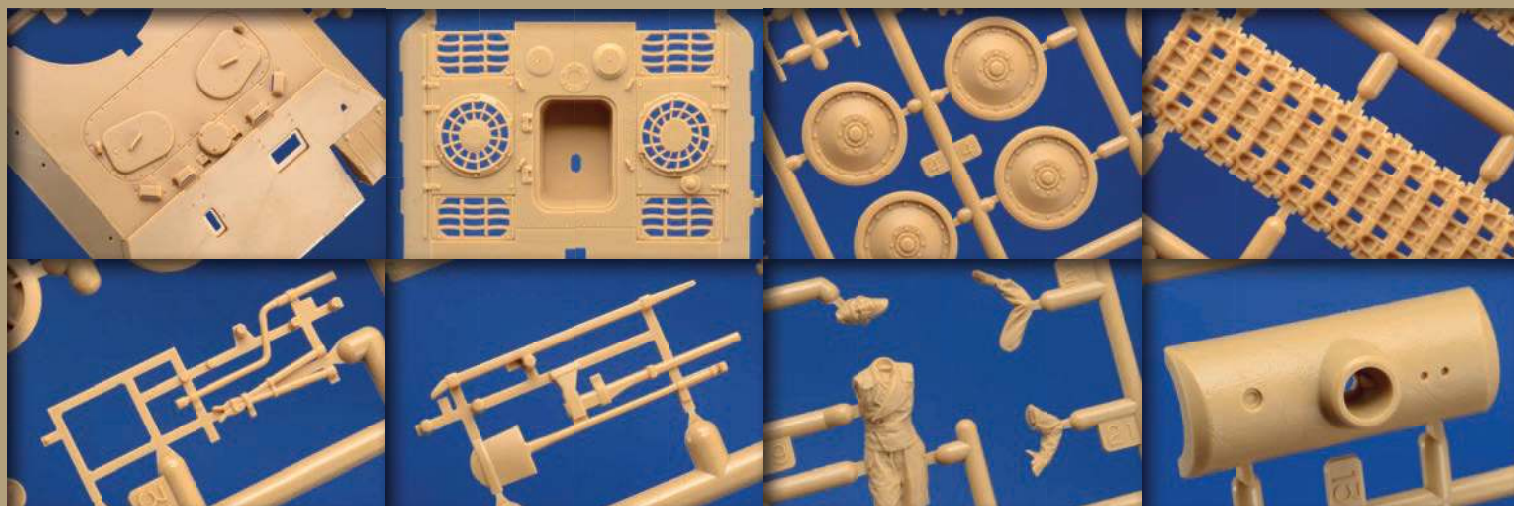
noticeable. Or you could just fit the hatch in the closed position of course. A very neat design feature of the kit is the moulding of the hull-side tool racks as individual parts. This enables the parts to be far better detailed than if moulded in with the hull and gives them a proper three-dimensional effect. The tracks are in the now familiar link-and-length form, with upper run 'sag' moulded in. This phenomenon will be largely hidden when the schürzen side plates are fitted, but if you choose to omit one or two of these, the tracks will be more visible. There are some ejector-pin marks on the tracks' inner faces but they can be scraped back with a round-tipped blade (Swann-Morton No.15 is ideal).

Two markings-options are provided in the kit: No.432, 4th Company, 51st Panzer Battalion, 39th Panzer Regiment in Kursk 1943 and No.445, Panzer-Regiment 'Grossdeutschland',

also in Kursk 1943. Both tanks sport variations of the three-colour camouflage scheme, so you'll need to sharpen up your airbrushing skills to replicate it in this smaller scale. This is another superb addition to Tamiya's 1:48 range and with some small refinements by the modeller – hatch handles, smoke discharger cables etc – it will build up into an excellent replica. You might also want to add engine deck screens: Hauler offer a set for the Ausf.G but they will also fit the Ausf.D: Panther/Jagdpanther Ausf.G Grilles (HLX48066) www.hauler.cz ●

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



www.creativemodels.co.uk

Model by Wayne Hui

Model by Jeremy Moore

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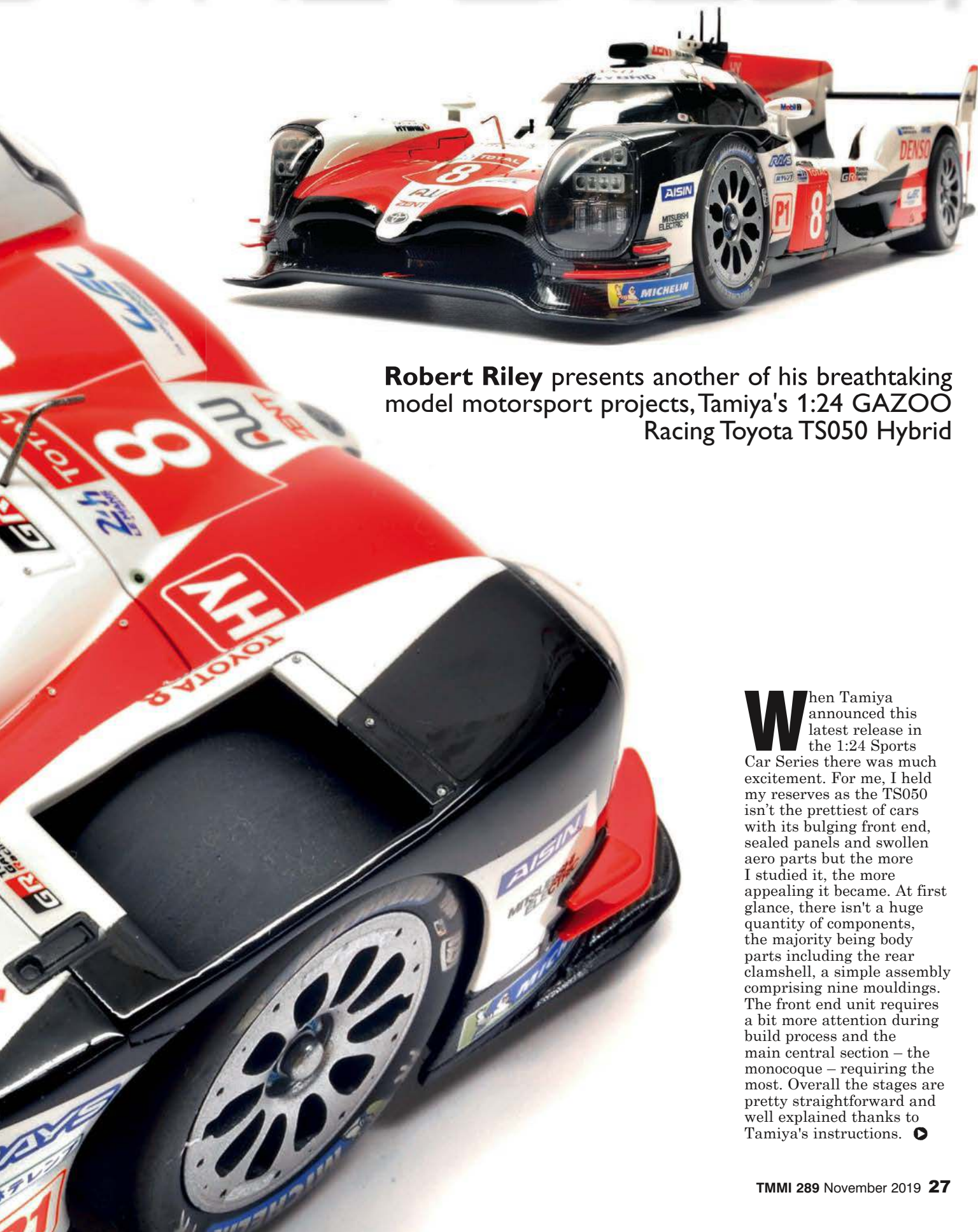
FULL-BUILD: SCALE MODEL MOTORSPORT

TAMIYA 1:24 GAZOO RACING TOYOTA TS050 HYBRID LM 2018 ● KIT NO.24349

LET'S DO



THE GAZOO!



Robert Riley presents another of his breathtaking model motorsport projects, Tamiya's 1:24 GAZOO Racing Toyota TS050 Hybrid

When Tamiya announced this latest release in the 1:24 Sports Car Series there was much excitement. For me, I held my reserves as the TS050 isn't the prettiest of cars with its bulging front end, sealed panels and swollen aero parts but the more I studied it, the more appealing it became. At first glance, there isn't a huge quantity of components, the majority being body parts including the rear clamshell, a simple assembly comprising nine mouldings. The front end unit requires a bit more attention during build process and the main central section – the monocoque – requiring the most. Overall the stages are pretty straightforward and well explained thanks to Tamiya's instructions. ▶

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A dry fit of the parts and check to see how it all looks. The front end especially is very sharp and looks the part

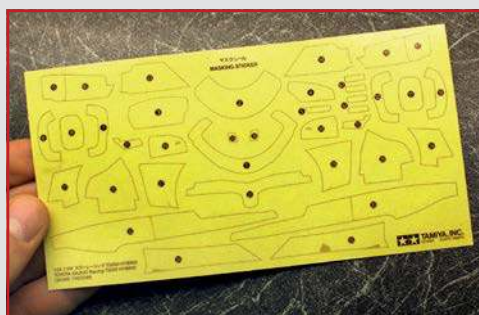
TO UPGRADE OR NOT TO UPGRADE?

As far as upgrades go, the usual brand names are reeling them out. Hobby Design have a pack that features photo-etch parts plus minor details, Studio27 offer a full carbon-fibre decal enhancement set with photo-etch details coming, Blue Stuff have some all-important missing logo infill decals and finally Tabu and Shunko have some 2019 liveries available, so you can build an up to date version. During my build up

I'll be using some photo-etch parts from the HD set, some decals from the S27 set, all the infills from Blue Stuff and a lot of Scale Motorsport carbon-fibre decal. For those that aren't aware, this machine is basically one big pile of carbon fibre forged into the amazing car that you see before you. So bear that in mind, if you want to replicate further. That said, it's not essential to upgrade as this can be built into a great model, straight out of the box.

Drilling out various holes with a 0.3mm HSS Tungsten drill bit

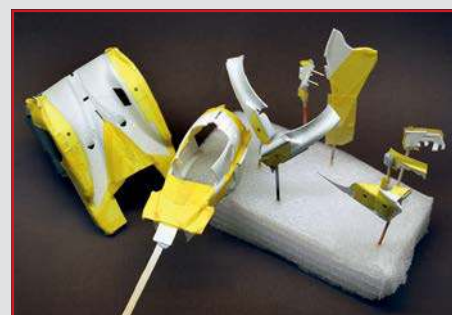
It all starts with Zero Paints Pure white ZP-1574. Part of the paint pack



Pre-stencilled Tamiya masking sheet included in the box. All you have to do is trim them out



Paint guide lines trimmed out from the Tamiya masking sheet and following the faint moulded lines on the panel



All body parts now masked off and ready to take the next stage of colour work



The next colour in line is Zero Paints Black which is also included in the specific paint pack

This is always the crucial and most anxious of parts, has all that painstaking masking paid off?



Following the moulded in masking lines, the lower part was airbrushed in Semi Gloss Black whilst the upper part about to be painted Black. Again both part of the Zero Paint pack



After de-masking, we see the rewarding results of careful time taken; all that effort was worth it!





To ensure the lines matched across all panels, the sections were dry fitted and then marked off using Aizu's 1.5mm masking tape. Anything that isn't going to be red is sealed away leaving the latter exposed

Time for the big reveal and another anxious de-masking moment



The rear clam and monocoque pre-clear and already looking on point with the livery. A very rewarding moment in airbrushing

A SMALL RETHINK ON BUILD UP...

Upon studying the instructions as we so often do, I found this model could be built up in several ways. You could build up the majority of the body panels first, seal it all up then get painting, or build it as the instructions say and follow the stages, or adapt the build process like I did using forward thinking by building up several key stages first, then putting it

all together. Personally, I enjoy seeing each area come to life instead of a whole chunk, as it means I can focus on a more detailed result and then get that rewarding outcome once an area reaches that complete moment. With that in mind, I began building up the main monocoque, adding the top panel first. Tamiya suggest this to be added later but if you want to avoid unsightly join lines then my advice is to do it first. I also treated

the side pods to the same process and the rear aero parts, building them up together. This now gave me the chance to smooth the joints using various grades of sandpaper until I was happy that it was ready for primer.

Over to the rear clam and by dry fitting the monocoque to the chassis, I was able to fit that rear shark fin in line with the rest of the car. Now it was time to drill out some holes. The real car has

various fasteners scattered around many panel joins and I wanted to replicate this. Helpfully, Tamiya has already them moulded in so all I needed to do was drill them out using a 0.3mm bit. Afterwards I fitted various 0.5mm flat-headed Top Studio and Hobby Design rivets with some areas using 0.75mm. Once this area was complete, it was time to prime everything, sand it all back to a smooth finish then begin some colour work. ▶



This is where all the base colour work started to pull together with the layout of Tamiya and Blue Stuff decals



Once decal work on the front end was complete, Tamiya's Black Panel accent was dropped into some recesses which helped bring the area alive

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The layout of Tamiya decals organised and ready to be placed onto the clam



The bodywork being already gloss cleared, made the decal process light work

TO DECAL OR NOT TO DECAL...

There are three main colours to the GAZOO livery; black, white and red. Zero Paints offer a set comprising White, Semi Gloss Black, Black (gloss) and Gun Metal (without the red), which is the route I chose to go down. These colours were used throughout the build so proved useful in all areas. The red sections are supplied in decal-form by Tamiya but I chose to airbrush them. Tamiya supply a pre-printed masking sheet which requires the modeller to trim them out; these will help us paint the black parts but if trimming proves frustrating, then Zero Designs offer pre-cut masks. The first stage is to airbrush

everything in white, as this is the brightest colour.

After the paints had cured, it was the turn of the black areas and there are faint lines moulded into the plastic which guide us when placing the masks. After several layers of Zero Black had been airbrushed, the masking was lifted. Of course, some tidy up was required but nobody's perfect. Some careful re-masking and airbrushing fixed most issues. The next stage required more masking only this time by eye; it was the turn of that striking red colour. I tested several shades with the result being Zero Paints Bright Red (ZP-1003), in my eyes this seemed close enough to the decals themselves but more

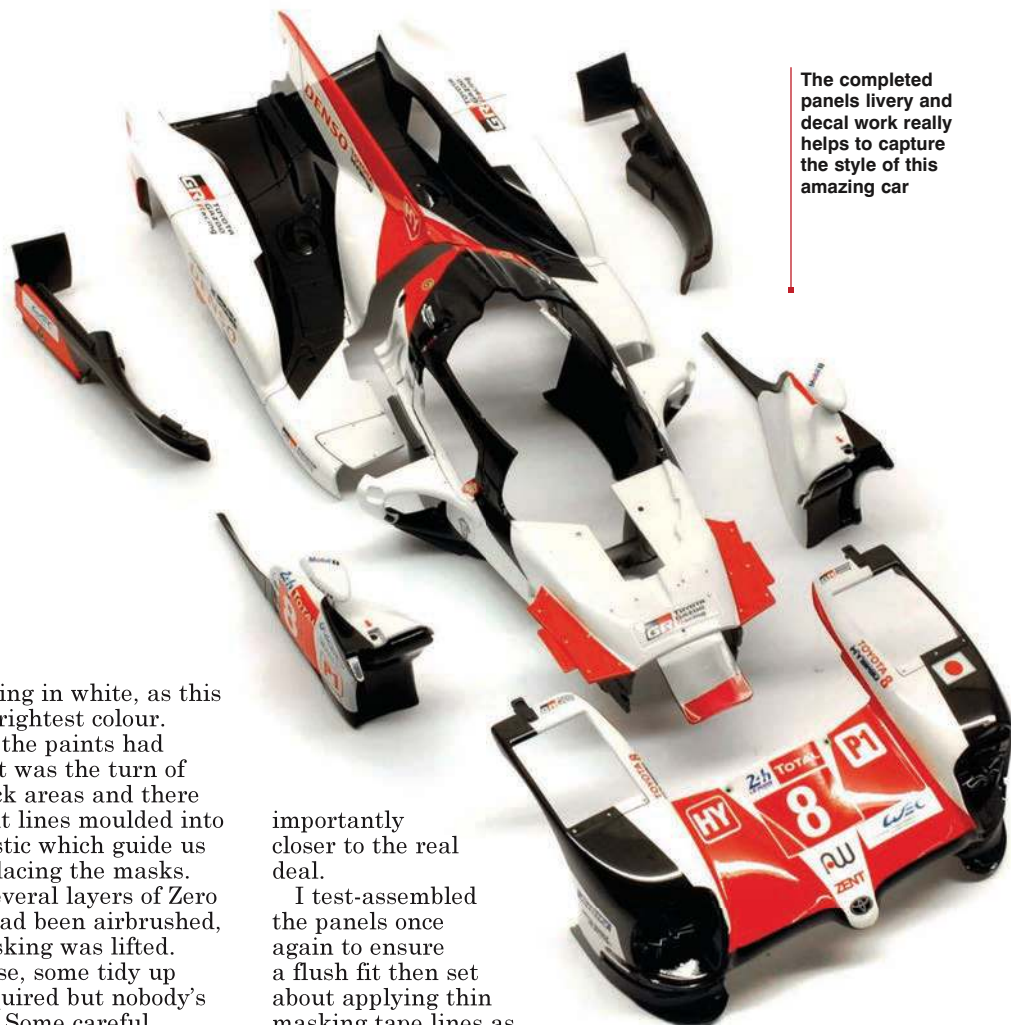
importantly closer to the real deal.

I test-assembled the panels once again to ensure a flush fit then set about applying thin masking tape lines as a guide for the red areas, looking carefully at their direction whilst using photos of the real car as a guide. Once ready, several light, build-up layers were airbrushed across the panels including any other parts required. Once the masking was removed the effect was very pleasing. To seal all that work in, Zero Paints Diamond Shine gloss 2k lacquer was used and I decided the finish was good enough to leave it straight out of the airbrush, unpolished. I wanted the

carbon-fibre work and logos to hold their own sheen which would emphasise the finish perfectly. Observing photos of the real car, it was mainly the bodywork that was full gloss and the rest, a more satin finish. So that was good enough for me! Once cured, it was time to start the decalling process. This is where Tamiya's box stock decals were combined with the Blue Stuff infills which provide missing logos like the 'WEC' and '24h Le Mans'.



No, it's not a comparison of nuns' habits, but actually checking the difference between carbon patterns (left to right) Studio27, Tamiya box stock, MFH Bodywork T1: The use of Microscale's Sol and Set made light work of MFH's Black/Gold carbon pattern



The completed panels livery and decal work really helps to capture the style of this amazing car



The completed clam with 0.5 and 0.75mm rivets added, carbon work, weathered exhaust heat shield and Blue Stuff decal infills

P-51D-5 1/48

eduard

ProfiPACK
edition



Historically first release of the version without the dorsal fin fillet

Plastic parts Eduard

PE-Sets and painting mask Eduard

Decals by Eduard for 6 markings

Available accessories:

- 481000 P-51D (PE-Set)
- 644021 P-51D-5 LooK (Brassin)
- 648485 P-51D exhaust stacks (Brassin)
- 648486 P-51D exhaust stacks w/ fairing (Brassin)
- 648487 P-51D Hamilton Standard propeller (Brassin)
- 648489 P-51D-5 cockpit (Brassin)
- 648494 P-51D wheels diamond tread (Brassin)
- 648495 P-51D undercarriage legs BRONZE (Brassin)
- 648503 P-51D wheels oval tread (Brassin)
- 648504 P-51D wheels cross tread (Brassin)
- 648505 P-51D wheels block tread (Brassin)
- EX663 P-51D TFace (Mask)

s/n 44-13321, Maj. George Preddy Jr., 487th FS, 352nd FG, 8th USAAF, Bodney, United Kingdom, July 1944



s/n 44-13321, Maj. George Preddy Jr., 487th FS, 352nd FG, 8th USAAF, Bodney, United Kingdom, June 1944



s/n 44-13322, Capt. John M. Simmons Jr., 317th FS, 325th FG, 15th USAAF, Lesina, Italy, August 1944



s/n 44-13606, Capt. Claude J. Crenshaw, 369th FS, 359th FG, 8th USAAF, East Wretham, United Kingdom, September 1944



s/n 44-13859, Lt. Walter Mullins, 55th FS, 20th FG, 8th USAAF, Kings Cliffe, United Kingdom, September 1944



s/n 44-13318, Lt. Col. Thomas L. Hayes Jr., CO of 364th FS, 357th FG, 8th USAAF, Leiston, United Kingdom, August 1944



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FULL-BUILD: SCALE MODEL MOTORSPORT

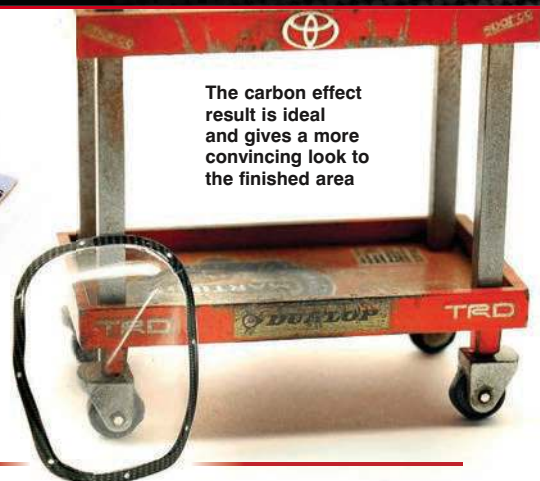
TAMIYA 1:24 GAZOO RACING TOYOTA TS050 HYBRID LM 2018 ● KIT NO.24349



The masking available for all areas of the model, including box stock and Zero Designs with this stage seeing the author decide weather to paint or use the S27 carbon for the headlamp surrounds



With one headlamp swiftly completed all that remained was the second. Two S27 carbon decals join perfectly to make one surround



The carbon effect result is ideal and gives a more convincing look to the finished area

CARBONATING THE CARBON PARTS...

This next huge stage in the build was applying the carbon-fibre decalling. For me this was pretty key to giving each area use and purpose plus would bring the model to life. Scale Motorsport's 'Twill Weave' was the order of the day and having used it in the past, I know I could rely on its ability to conform where necessary and play ball when required. Starting from the ground upwards the chassis was airbrushed in Zero's Semi Gloss black

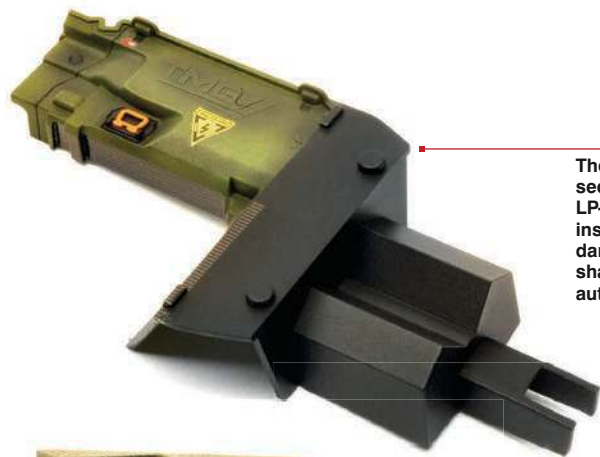
with the skid plain of the lower chassis being hand painted with a wood effect which then was ready to take the carbon work, then I set about making templates. If you study the 1/1 version and really look at the carbon work, the one thing you'll notice is how directional each weave goes on each area. It's pretty sporadic but that makes for an interesting challenge to try and replicate.

The rear end was the first port of call paying attention to the curvature on some areas and pattern direction needed to complete the look.

Microscale's Set and Sol decal softening solutions are key to getting the carbon decals to act how I needed them, coupled with gentle heat from the hair dryer. The process was painstakingly followed on in all areas of the rear chassis including top side and underside. To note with the underside carbon work, I only added in what could be seen so covering the whole lower chassis was not necessary.

At this point and arriving at my door, Studio27 released their carbon pack which I had on pre-order

giving me a small sense of relief as this would really help speed things up. A fully comprehensive visual upgrade pack containing all areas necessary to obtain that look. For me the finish on the ST27 decals already looked far to glossy, so I needed to bear that in mind when using it in areas id already covered and try to separate them. I also dropped in some excellent MFH basket weaved carbon decals to some areas for heat protection and applied more carbon to the rear underneath of the clam.



The lower panel internal section actually isn't LP-5 (TS29) as Tamiya instruct, but more of a dark green/yellow/black shade. This was the author's own mixture



The lower control panel again in that colour with carbon parts added onto the control box and button colours painted on



Both completed sections dry fitted to check colour flow and fitment. A very pleasing result after airbrush shading, hand paint and decal work



The rear panel was covered in Studio 27 carbon-fibre decal along with various carbon infills to the head/shoulder support area. A black brown mixture was also airbrushed on the soft padded parts then satin glossed, it to give the impression of different material



Fifteen tiny 0.3mm holes were drilled out of the printed decal sheet where the moulded steering wheel buttons and switches would fit through



The Tamiya decal fitted perfectly over the steering wheel and buttons, followed by a S27 carbon layer over the top of that



Tamiya's display screen decal was added plus another carbon part over the top and then a Gazoo logo to the rear. Finally all buttons were hand painted



A size comparison reveals how intricate the work is and how rewarding the effort was

INTERIOR AND ENGINE WORK...

To give myself a break from the carbon work I turned my attention to the interior. Okay, so I couldn't completely escape the carbon as the whole internal cabin was covered in ST27's version plus lots of other small areas. They acted differently to Scale Motorsport's more compliant version so I needed to adapt my style using more heat, the result came out satisfactory in the end. The steering wheel was quite tricky but a fun area to work on. Using Tamiya's printed decal I carefully drilled out where each button and switch was printed out whilst still on the decal sheet. This would ensure a more secure fit on the wheel and easier application over the pre-moulded buttons.

Studio27 provide a smart carbon printed decal which overlays the Tamiya one. You've got to be careful in alignment to ensure an ideal fit but the finished wheel



The eight acrylic colours used to hand paint each button and various switches and hand grips - bright and bold always help to contrast a dark area



The whole internal area was covered in carbon work. This stuff seemed relentless



The author could have carbon covered the racing seat to but felt that was overkill. The belt upgrade was enough to help this area stand out thanks to photo-etch parts and silk ribbon



All parts fitted perfectly and snugly thanks to Tamiya's excellent design. All that work was worth the extra time and detailing

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An airbrushed base of medium brown on the plain base with the rest of the wood effect being hand painted for realism



All self templates required to carbon the rear panel sections. This was a really involved process where particular attention had to be paid to weave direction and pattern joining



Again extensive use of Micro Sol, Set and a hair dryer really helped the Scale Motorsport Carbon behave very nicely



Various logo decals were also applied plus a painted etch tow ring from the Hobby Design upgrade pack. A lovely carbon fibre convincing result worth the time taken

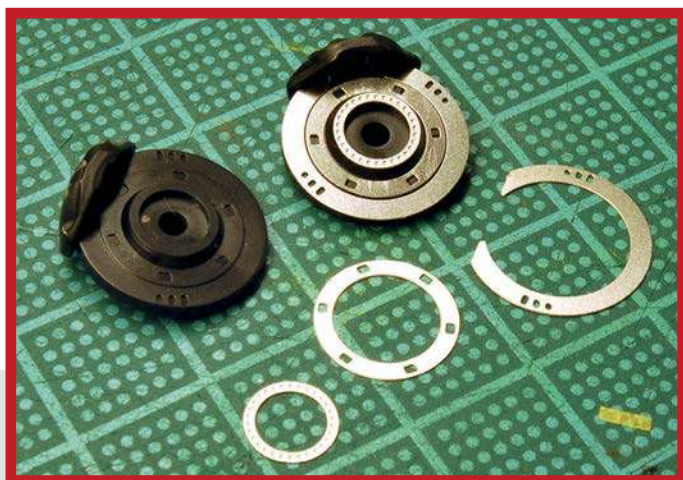
❶ looks very cool. Afterwards and using references, I hand painted each button on the wheel using a mixture

of eight different bright colours to help the final look pop. The lower panel (with the bright orange

pull lever) Tamiya asks us to paint black. However in my reference appears to be more of a green/yellow dark shade material, so I mixed my own colour to replicate and airbrush shaded it all. The same went for the lower control panel and its colour shade.

The decals were also treated the same as the steering wheel, drilling them out the sheet, applying them, adding carbon and then hand painted buttons. The head/shoulder support was airbrushed and finished

with added carbon and then there was the racing seat. A simple area dressed up using some black satin ribbon, the photo-etch buckles and resin clip included in the Hobby Design set. All was located and fixed into place. The engine work is a small thing of beauty too, very well engineered by Tamiya in its fit and location of parts. Various areas were treated in their respective colours giving an ideal finish. It wasn't worth going full detail as this area will be sealed up. ❷



Tamiya's rear brakes already are nice but the HD photo-etch parts help add that touch of extra class



Both new etch centre parts are fixed into place and immediately look more convincing



Both brake parts were airbrushed in Zero's Titanium Silver to give a shiny base to work from prior to hand paint work



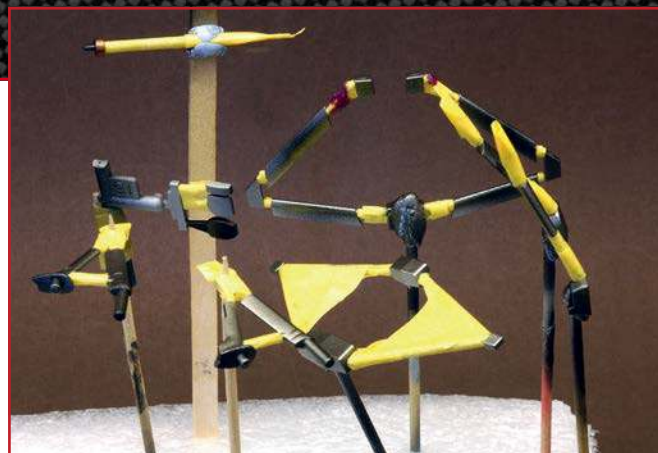
Hand-painted using various washes for shade and then highlighted. The outer rotors were coloured with Zero's Carbon Ceramic Grey then fitted after



The Studio27 carbon pack consists of two decal sheets stuffed full of printed Carbon goodness. They are slightly shinier but very nicely designed and printed all the same



For the inner brake hub walls here you can see the Tamiya (left) Vs Studio27 (right) carbon effect. The Studio27 version was much better than the box stock



After a base coat of Tamiya X-1 Black (gloss) via the airbrush, the metal parts were treated to Zero's Aluminium, then those areas were masked off ready to protect against the next colour stage



Almost all parts are now coloured and ready for permanent fixture



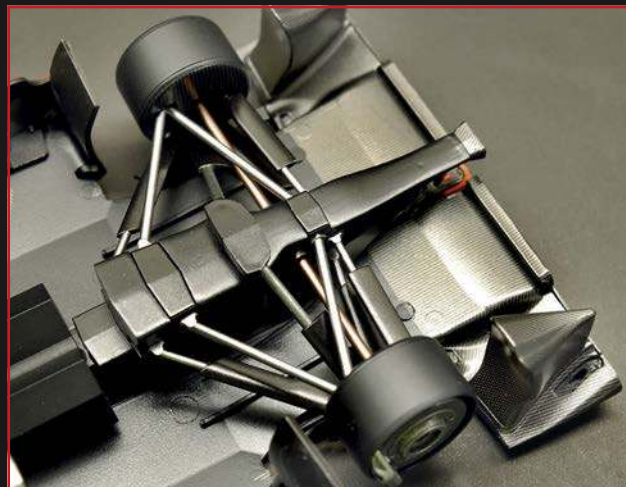
This whole area although complex looking is really simple to build up. With all parts coloured this area was brought to life with minimal carbon abuse



That rear disc brake set up now looks the part and will be visible through the wheels



It's mainly gearbox but it's a simple build process that gives maximum outcome



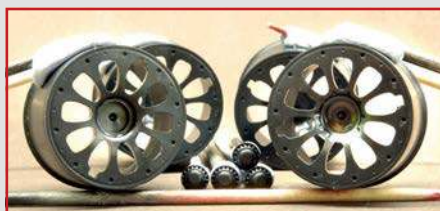
Now that looks the part. It's great to see a whole area come together so well after the time it so often can take getting



The completed front end prior to build. Beware of the steering arms as they fit onto each hub as they are very delicate

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A quick check of each wheel and centre nut. They are superbly moulded and leave with very minimal defects



All wheels were coated with Zero's Gun Metal and brightened up slightly with Alclad 2 Dark Steel. The colour combination worked so well



Each centre hub was fixed onto a Dremel and spun up. This gave the chance to sand away any imperfections on the tyres which made it so much easier



Hobby Design supply the centre hub nut outer rings as a separate etch part. These were airbrushed straight on top in X-23, Tamiya's clear blue to give an anodised look



An ideal outcome was achieved on all wheels. Wheels decals next



Tamiya supply two hub decals and two tyre decals. The author used only the two hub decals with the rest being from the Blue Stuff infill set. What a combination!

➤ HEADING TO THE FINISH LINE...

It was always my plan to replace the Tamiya carbon-fibre effect decal as I felt it didn't quite look the part, so replacing the heat shield that runs along the top of the rear clam was no different. Upon researching the area, I found the carbon to actually be a black/gold colour and I eventually located the ideal sheet, from MFH. I used templates scanned from Tamiya's sheet and applied them accordingly giving a more convincing look. The front section was covered in more ST27 carbon including the

interior of the light cluster, lower panel, lower floor pan, underneath in various areas, some more self-templated black/gold MFH carbon added, headlamp surrounds, some etch details added and then all fitted up. All rivets were added around the car and other various parts fitted up including marrying the monocoque and engine section, side pods, front end and rear spoiler set up to the chassis. Plus various HD



Again, the wheels were mounted in the Dremel, spun up and softly applied a cotton bud to the outer wheels using a mixture of soot and old rust colours from Lifecolor pigments

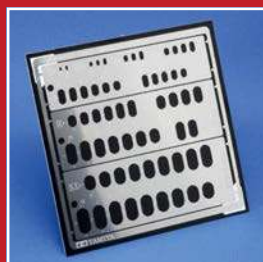


The wheels came out great! The author didn't want to over weather them, merely a scrubbed set to showcase and give use and purpose

Mini Review...

**TAMIYA MODELING TEMPLATE
ROUNDED RECTANGLES
1-6MM (74154)
www.hobbyco.net**

It's almost inevitable that when building a model aircraft, some of the surface detail is lost during the sanding stages. It is quite tricky to re-instate that detail without precision tools and that's just what Tamiya have given us here. This sheet of flexible nickel-steel provides a range of differently sized flat-sided ovals, a common shape on airframes of many eras. Of course, you don't have to scribe the whole shape, just sections can be used to replace missing detail on curves etc. A top quality tool, best used with Tamiya's Fine Engraving Needle (74148) and Holder (74139)





A. As the wheels so helpfully tell us, this is the front right hand side of the car. Don't you just love it when a plan comes together?
B. If there was one thing the author could have changed to improve this Tamiya model build, it would have been to have thinned out the mirror struts a little more. They just seemed a little chunky, or maybe that's just being picky

C. Definitely one of the best angles of the model. You can really see all that careful planning of carbon angles, weave directions and various carbon patterns pull nicely together
D. After all decals and carbon was applied to the rear spoiler, the shine was toned down using Zero Paints Matt 2k clear. This really helped contrast and separate the finish between parts and panels

photo-etch smaller details scattered around the car.

Wheels next, these were airbrushed with Tamiya X1 Black, then Zero Paints Gunmetal Grey included in the set. I felt the colour to be a little darker than I

hoped for so I brightened them up a little with Alclad 2 Dark Steel which gave a great combination. The centre hub was dressed up with some Hobby Design photo-etch airbrushed with Tamiya's clear blue to give

an anodised look. The final decals to be added are wheel logos from Tamiya and the rest from the Blue Stuff set; tyre markings, logos and other smaller details. I fitted them in my Dremel, span them up and applied a

mixture of black and brown Lifecolor dry pigments to the outer edge and central part of the tyre using a cotton bud to simulate minimal tyre wear and use. These were fitted up and the final look was sealed in. ▶



An aerial view showing all that careful airbrush and parallel livery work lining up nicely

FULL-BUILD: SCALE MODEL MOTORSPORT

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FINAL THOUGHT...

As far as new Tamiya releases go, this model does not disappoint. It is well designed, well engineered, well thought-out and once built up delivers a very rewarding outcome. As I mentioned previously it's not the prettiest of cars at first but it does grow on you, the light follows the contours perfectly with that striking Gazoo livery really catching the eye. I'd love to see more Tamiya Gazoo cars on offer, maybe a certain Supra would be a good place to start. ●

Toyota TS050 Hybrid No.7 in garage, showing the front suspension.
Photo by David Merrett, June 2019



TECHSPEC...

TAMIYA 1:24 GAZOO RACING TOYOTA TS050 HYBRID LM 2018 KIT NO.24349

Accessories used:

- Studio27: carbon upgrade pack
- Hobby Design: photo-etch pack
- Top Studio and Hobby Design 0.5mm & 0.75mm rivets
- Scale Motorsport 1:20 Twill Weave carbon and MFH Black/gold plain weave
- Blue Stuff: Additive decals
- Zero Designs: Pre-Cut Masking Sheet

Paints used:

- Zero Paints Black, White, Semi Gloss Black, Gun Metal, Bright red, Various metallics from the Zero Metal Finishes range, Zero Diamond Shine 2k gloss and Zero Matt 2k clear.
- Alclad Dark Steel
- Various hand paints from the Tamiya and Citadel paints range
- Lifecolor Black and Brown dry pigments

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
- Studio27, Hobby Design, Top Studio, Zero Designs, Zero Paints: www.hiroboy.com



Airbrushes.com

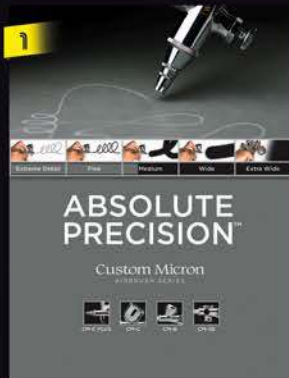
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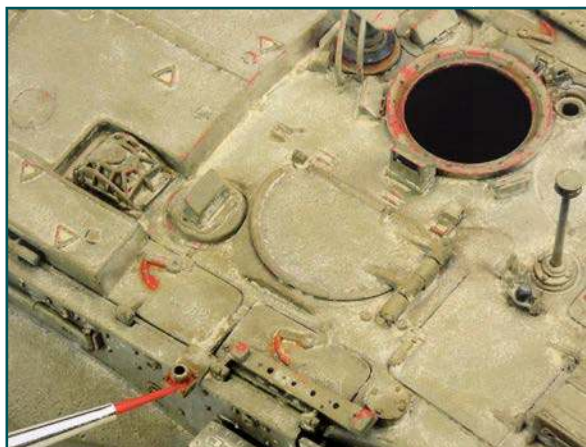
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AMMO BY MIG, SPAIN

www.migjimenez.com

The latest in AMMO's 'Solution Box' series is aimed at Israeli Defence Force ground vehicles and as the product range's name suggests, it provides primer, paints, colour-washes, pigments, thinners, paint brushes and a mixing dish for the correct painting and finishing of your IDF vehicles; there's even a bottle of non-slip texture paste for the upper surfaces of your Merkava, Magach etc.. Also in the stylish presentation box is a full colour guidebook which takes you through the stages of actually using all these products. It's another impressive production from Mig Jimenez's 'AMMO by Mig' company and if you follow the steps it will help you achieve top-notch results.

SOLUTION BOX 003 IDF VEHICLES, COLORS AND WEATHERING SYSTEM (A.MIG-7701)



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EDUARD, CZECH REPUBLIC

www.eduard.com www.creativemodels.co.uk

Tamiya's new-tool 1:48 Spitfire Mk.Ia gets the extensive 'Big Ed' treatment this month, with a pack that contains cockpit details such as instrument panel, pilot's seat armour (missing from the kit) and placards plus exterior items, landing flaps, seat harnesses and that all-important canopy masking set. Buy purchasing all these sets in 'Big Ed' form rather than individually, you save money, so it's worth considering. Tamiya's recently released 1:35 Achilles IIC tank destroyer receives a set of very worthwhile etched brass items that include headlight brushguards, ammunition racks, internal turret stowage boxes, tool brackets, track grouser frames and much more. HK Models' 1:32 Avro Lancaster B Mk.I continues to accrue additional details; we have Big Ed packs for the bomb bay, bomb racks and undercarriage, plus an second Big Ed for the radiators, cockpit, seatbelts and general details. Fabulous! Another good month for superdetailers, courtesy of Eduard.

BIG ED 1:48

- Spitfire Mk.I: landing flaps, general details, seat harnesses, canopy masks (BIG49224) for Tamiya
- Yak-130: general details, seatbelts, canopy masks (BIG49225) for Zvezda

BIG ED 1:32

- Lancaster B Mk.I Part I: radiators, cockpit, seatbelts, general details, canopy masks (BIG33399) for HK Models
- Lancaster B Mk.I Part II: bomb bay, bomb racks, undercarriage (BIG33100) for HK Models

1:48 PHOTO-ETCH

- Fw190A-8 (48992) for Eduard
- Fw190A-8 landing flaps (48993) for Eduard
- Yak-1b (491010) for Zvezda
- Yak-1b landing flaps (48996) for Zvezda
- Il-2M3 Sturmovik interior (49995) for Tamiya
- Fw190A-8/R2 cockpit (32952) for Revell
- Fw190A-8/R2 landing flaps (32446) for Revell
- Fw190A-8/R2 engine (32445) for Revell
- Fw190A-8/R2 exterior (32444) for Revell
- F/A-18E exterior (32439) for Revell
- F/A-18E interior (32948) for Revell

1:35 PHOTO-ETCH

- SU-85 (36424) for Zvezda
- T-34/76 (36418) for Zvezda
- M10 IIC Achilles (36425) for Tamiya

1:72 PHOTO-ETCH

- Bf109G-6 (73669) for Tamiya

1:48 LÖÖK

- P-47D Bubbletop instrument panel (644023) for Tamiya
- P-47D Razorback instrument panel (644022) for Tamiya
- P-51D-5 (644021) for Eduard kit



New Releases Accessories

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

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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

PLUS MODEL, CZECH REPUBLIC

www.creativemodels.co.uk www.plusmodel.cz

This new kit from Plus Model depicts the WW2, 250-gallon G-527 'Water Buffalo' water tank mounted on the ubiquitous 'Ben Hur' trailer. It was frequently towed by the Dodge WC and GMC 'Deuce and Half' trucks. Its significance as a piece of UD military inventory is huge and Plus Model chose well in deciding to release a kit of it. The model is cast almost entirely in resin (which will require CA – superglue – to assemble) with a good sized sheet of photo-etched brass, vinyl tubing, copper wire, some metal chain and a sheet of decals also in the box. Assembly looks quite straightforward and from experience, Plus Models kits fit together with ease. Detail is superb throughout and once the wafer-thin resin flash has been trimmed away, it should be quick to build. An excellent little kit of an important piece of WW2 Allied hardware that can be used in numerous diorama situations.

1:35 US WATER TANK TRAILER (540)



BRENGUN, CZECH REPUBLIC

www.brengun.cz

Brengun's new set of 1:32 AGM-114 Hellfire missiles comes in a very compact little box but the contents are impressive. Not only do we get the weapons – which are beautifully detailed with individual fins, clear-cast noses and data decals – but also their double-decker launch racks. All parts are very finely detailed, impeccably cast and come highly recommended.

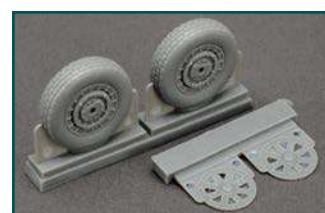
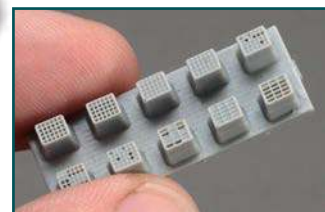
Also new is a set of AN/ALE countermeasures dispensers in 1:48, F4U/F6F ribbed diamond tread wheels/tyres plus another set with block-pattern treads (1:48) and a pair of WW2 USN wheel chocks in 1:32.

1:32

- AGM-114 Hellfire (BRL32037)
- WWII US Navy wheel chocks

1:48

- F4U/F6F ribbed diamond tread wheels/tyres (BRL48116)
- F4U/F6F ribbed block tread wheels/tyres (BRL48114)



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**Item 7380
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HAULER, CZECH REPUBLIC

www.hauler.cz

Tamiya's fantastic 1:35 JGSDF Type 16 armoured car gets a superb set of weighted and up-detailed wheels/tyres and there are four distinct castings to be used so the wheels don't all look the same. Sidewall detail is fantastic and there's a drilled muzzle brake in the box as a bonus. Hauler have created a similar set for Tamiya's 1:48 Type kit too, which is equally as excellent: for the muzzle brake though, you'll need the separate Type 16 detail set which also provides two sheets of photo-etched brass and a host of resin detail parts.

1:35

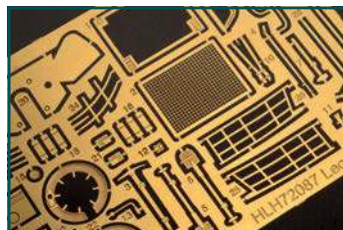
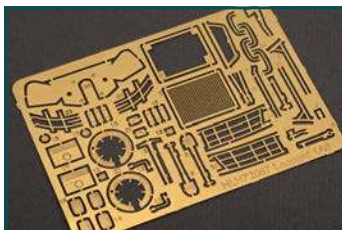
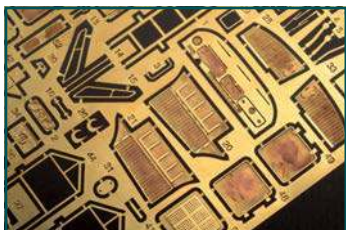
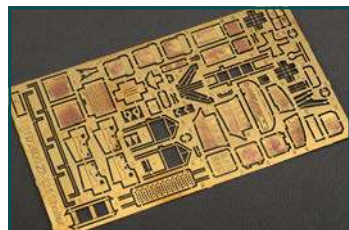
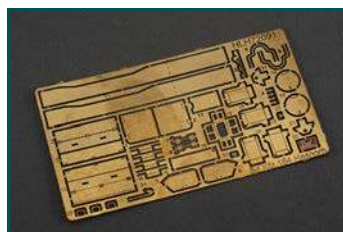
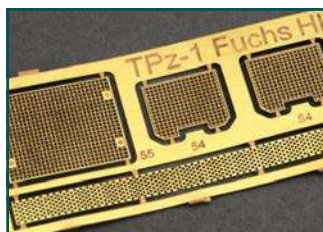
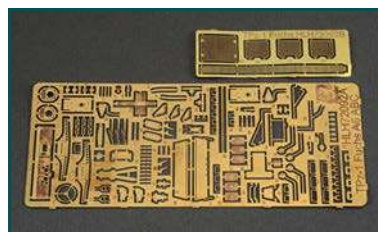
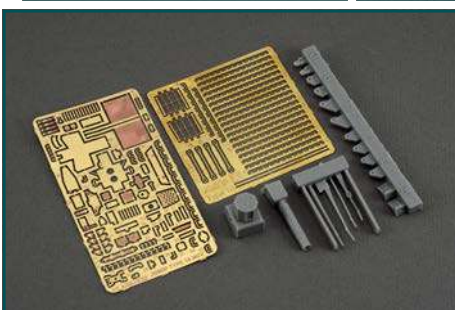
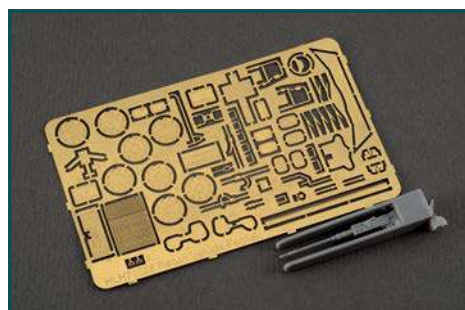
- JGSDF Type 16 wheels (HLU35115) for Tamiya
- Lamps and telegraph insulators (HLU35113)

1:48

- JGSDF Type 16 wheels (HLX48392) for Tamiya

1:72

- Tpz-1 Fuchs A6 ABC (HLH72092) for Revell
- Zil-131 Shelter (HLH72090) for ICM
- Leopard 1A5 (HLH72087) for Revell
- Fennek (HLH72086) for Revell
- Sd.Kfz.164 Nashorn (HLH72091) for Revell



STAR DECALS, SWEDEN

www.star-decals.net

Vietnam War gun trucks seem to be an area of interest right now, with the imminent release of a new 'King Cobra' kit from AFV Club, plus the company's earlier releases of course. Star Decals have continued their series of markings-sets for these fascinating machines, each with a colour placement guide. Great quality waterslide decals as always.

1:35

- Vietnam Gun Trucks Pt.4 Quad .50cal M54 5-ton (35-C 1197)
- Vietnam Gun Trucks Pt.5 Quad .50cal M54 5-ton (35-C 1198)
- Vietnam Gun Trucks Pt.6 Quad .50cal M54 5-ton 'Bounty Hunter' (35-C 1199)
- Vietnam Gun Trucks Pt.7 M37 ¾ ton truck 'Mr Nice' (35-C 1200)



Accessories

PLASTIC SECTION, F; FABRIC, IM; INJECTION MOULDED (PLASTIC), ITL; INDIVIDUAL TRACK LINKS, H, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PCM; PRE-CUT MASKS, PMP; PRE-ASSEMBLED METAL

USCHI VAN DER ROSTEN, GERMANY

www.uschivdr.com

If you're an avid diorama builder and want to replicate broken windows in a building, there are a couple ways of going doing it yourself: small sheets of clear acetate with shatter lines scored into it with a scalpel, pain/varnish effects or this new and vastly superior system from German manufacturer Uschi van der Rosten. As with most things worthwhile, it will take some time to get right – it's a multi-step process – but follow the instructions on the company's website and all will become clear. The key to realism here is the use of real glass (ultra thin microscope slides) and crystal clear adhesive tape. The results are staggeringly realistic and we will be running a 'how to' article on the system soon in TMMI. Also new is a set of beefy, foam-backed sanding blocks, ideal for rough shaping operations.

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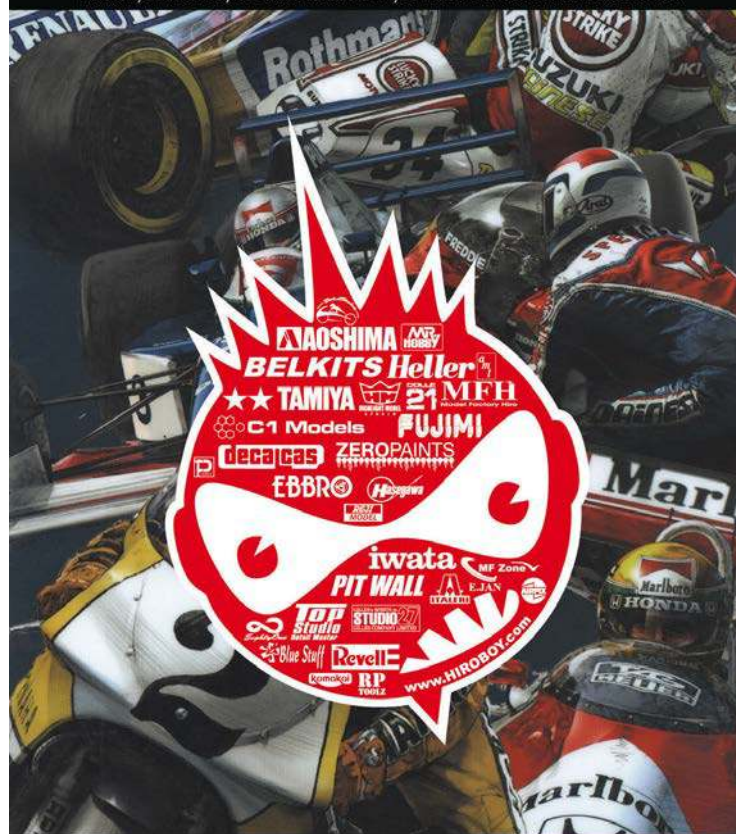
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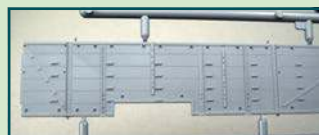
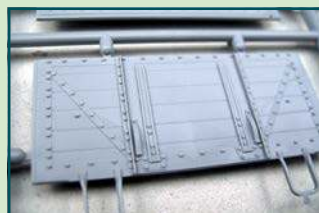
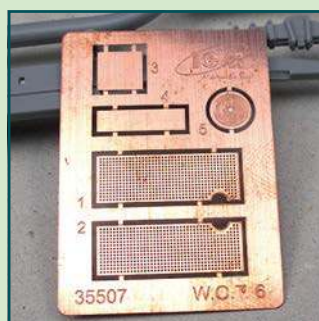
REVELL, GERMANY FORDSON W.O.T 6

www.revell.de/en

SCALE: 1:35

MATERIALS: IM, PE, SVT, WS
ITEM NO.03282

The Fordson War Office Trucks (WOT) were built by a small subsidiary of Ford Motor Company, owned by Henry Ford & Son. The 3-ton WOT6 trucks began to be produced at the start of 1942, and soon became a common sight in Commonwealth armies. This re-boxed kit was originally released by ICM and has all of the finesse and detail normally associated with this company. The parts are finely moulded with little in the way of clean-up required. The fit of parts is excellent, and the kit builds up into a super representation of the WOT6. It is slightly unfortunate that ICM copied a restored vehicle which had originally been a Machinery truck Type X and as a result a number of features of the kit are fully accurate for a workshop vehicle, but not for a General Service truck. These differences are apparent in the fold-down side panels, the position of the fuel tanks, and the arrangement of supports for the rear tilt. These can be altered with some difficulty, but it would be easiest to fit a canvas tilt over the rear, and hide the lack of a workshop! The decals include post-war number plates, fitted to the museum vehicles and are best ignored. Despite these comments, the kit produces a good representation of the workshop version, and the aftermarket suppliers will certainly provide the necessary parts. **CLS**



A much-needed British truck, extremely well moulded

Care is needed to get an accurate WW2 version



ITALERI, ITALY LEOPARD 2A6

www.hobbyco.net

SCALE: 1:35 • MATERIALS: IM, SVT, WS • ITEM NO.6567

The Italeri model of the Leopard 2A6 was first released in 2004, and this latest release has some interesting additions. The tank itself is the ultimate MBT in Europe and the Leopard has been widely exported around the world. It is fast, well-protected and has a powerful 120mm smoothbore gun. The latest Italeri kit is billed to have upgraded moulds, though without an earlier kit to hand, it is difficult to know where the improvements have been made. The tracks in this kit are soft plastic glueable lengths, which will save time for the modeller, particularly as much of the track is hidden behind the side skirts. Also included in the box is a small sheet of clear acetate from which the modeller cuts tiny pieces of plastic to fit into the vision block periscopes, plus a sheet of vinyl mesh which has to be cut to size for the turret baskets. The kit includes the telescopic fording tube for the commander, crates of boxed ammunition, and alternative smoke discharger arrays for the different options; the Bundeswehr used a different type. The box top shows that there are decals for four versions, but the Spanish flag is an error – the decals are actually for German, Dutch, Finnish and Portuguese vehicles. The colour schemes in each case are for identical NATO paintwork, with only the small markings different between each vehicle. **CLS**



Improved moulds and different decals breathe new life into the kit

Mesh areas are done well, but this kit is crying out for etched brass!

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

KADETT K38 CABRIOLIMOUSINE WW2 GERMAN STAFF CAR

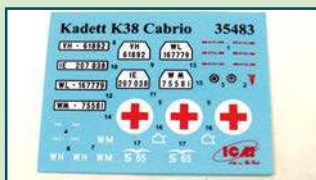
www.icm.com.ua

SCALE: 1:35

MATERIALS: IM, SVT, WS

ITEM NO.35483

In this latest version of ICM's Opel Kadett car, we have the soft-top cabriolet type, with folding canvas roof which can be modelled open or closed. Judging by a recent book on these cars in Wehrmacht service, this version was very common. The Opel Kadett was a small four-seater car in widespread use in civilian circles before WW2, and many of the private cars were taken into military service when war broke out. With this in mind, the decal options in this kit include civilian, Wehrmacht, Luftwaffe and Kriegsmarine options. The quality of moulding is amazing, with fine detail on the front bonnet and throughout. The tyres come as separate vinyl parts and they look great. Civilian tyres do not have a deep tread, so the rubber tyres in the kit are perfectly good enough. As it happens, I have an ICM Kadett on my workbench right now, and the fit of parts is excellent, with a detailed interior and a very accurate result. The doors are fixed closed, and the clear plastic side windows slot into the doors. The front and rear windows fit perfectly into the bodywork and with careful masking of the frames, the final appearance is superb. The Opel Kadett and Olympia types were common at the start of WW2, becoming rarer over time, and this lovely kit is representative of the cars of the earlier period. **CLS**



Superb, accurate detail and very precise fit of parts



Masks for the windows would be very welcome, to make painting easier



FORCES OF VALOR, HONG KONG RUSSIAN HEAVY TANK KV-2 UKRAINE SUMMER 1941

www.hobbyco.net

SCALE: 1:72

MATERIALS: IM, SVT, WS

ITEM NO.873003A

The KV-2, thanks to its enormous, boxy turret is one of the most instantly recognisable tanks of the Second World War and there have been numerous kits produced of it, from Tamiya's whopping 1:16 RC model to some tiny versions in 1:144. Walters' 'Forces of Valor' now offer a 1:72 of this behemoth and despite a box-top type ('Ukraine') and it being labelled as 'Russian' (it's Soviet) there's a very decent little kit lurking inside. The model's lower hull comes with its suspension arms moulded in place – a good idea for this scale – but all roadwheels, idlers and sprockets are all individual parts and nicely detailed too. For such a small kit, it is impressive that weld-seams and mesh patterns are included on the structural parts and engine cover; there's even inner hatch detail too. The one-piece tracks are moulded in flexible black vinyl and sport a respectable level of detail on both faces, but depicting the KV-2's upper-run 'sag' will be a challenge. Overall though, a very nice model and at £6 to £7, what's not to love? **MN**



A classic subject and a remarkably well-executed kit with some neat detail touches



The KV series' track-sag will need some creative thinking to replicate



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BANDAI, JAPAN STAR WARS TIE FIGHTER

www.revell.de/en

SCALE: 1:72

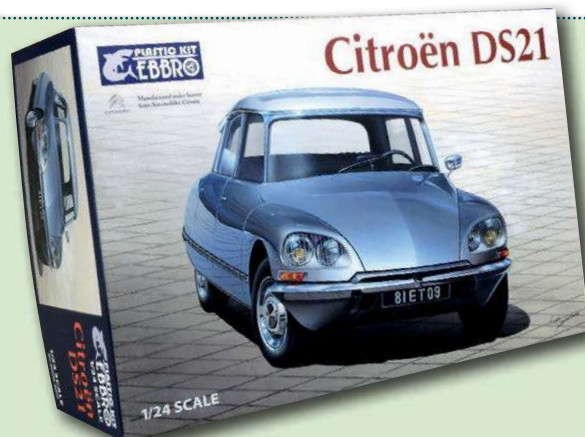
MATERIALS: IM, WS, SAS

ITEM NO.01201

Seriously, who doesn't love the space ships and hardware from the Star Wars universe? And, thanks to Bandai (and others) there has never been a better time for modellers who like to build miniatures of these machines. The TIE Fighter, as we all know, is the key combat ship used by Vader's imperial fleet and it comes in several forms. The version kitted here by Bandai is the 'base' version of the machine, as it appeared in Episode IV, A New Hope and the subsequent films. The key to a crisp rendition of a TIE Fighter's solar 'wings' is how their parts are broken down and here, Bandai have followed Fine Mold's approach, with the black, inner-panels moulded separately from their frames. The parts can then be painted apart and rejoined without the need for fiddly masking. The cockpit is a simple affair but does come with a pilot figure, seat and flight controls (plus decals for the various lights and switches) which are more than enough to see when peering through the multi-faceted window. Speaking of which, a clear part which needs masking and spraying and a solid, frame-only part (no clear parts) are provided; an interesting choice. A fantastic little kit with more parts in the box than you might think! **MN**



- + Possibly the most iconic film space ship ever and a beautiful little kit with lots of fine detail everywhere
- As always, study the (small) instructions before starting



EBBRO, JAPAN CITROËN DS21

www.hobbyco.net

SCALE: 1:24

MATERIALS: IM, SVT, CP, PC, WS

ITEM NO.25009

The Citroën DS is a front-engined, front-wheel-drive executive car that was manufactured from 1955 to 1975 in sedan estate and convertible forms across three series, or generations. The DS was noted for its aerodynamic body design and innovative technology. Italian sculptor and industrial designer Flaminio Bertoni and the French aeronautical engineer André Lefébvre styled and engineered the car and Paul Magès developed the hydro-pneumatic, self-levelling suspension. In total, 1,455,746 Citroën DS were sold. (Edited from Wikipedia). The extensively face-lifted DS21 was launched sixteen years after the DS19, the main technical difference from its predecessor being its larger 2.2 litre engine, which also featured fuel injection. Ebbro issued their 1:24 kit of the DS19 back in 2015 and it was well received by car modellers the world over. It was without doubt the best kit of this famous and stylish French cruiser yet created. With the DS21, the company have captured the flowing lines of the body perfectly and include a highly detailed interior, engine and suspension too, all reflecting the differences between the two models. Thankfully, Ebbro have moulded the extensive brightwork and separate, plated parts! **MN**



- + A beautiful French pothole floater from the 1950s/60s and a fine kit
- A fairly complex model, so some experience might be an advantage

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, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PMP; PRE-ASSEMBLED METAL PARTS), PS; PAPER STRIP; R; RESIN, SVT; SOFT VINYL TYRES (OR TUBING),



ITALERI, ITALY LAND ROVER FIRE TRUCK

www.hobbyco.net

SCALE: 1:24

MATERIALS: IM, SVT, WS
ITEM NO.3660

The origins of Italeri's 1:24 Land Rover hark back to the days of Italian manufacturer Esci, but don't let that put you off, because it's a detailed and well designed model of this beefy fire-fighting vehicle. One glance at the basic Land Rover body and you can tell it has an accurate profile, something Esci were very good at with their car kits in the 1970s and 1980s. The ladder chassis is depicted in full and a basic engine block is provided – even though the bonnet is moulded in the closed position – and it's more than enough to satisfy the eye when viewing the model from below. The Land Rover's leaf spring suspension and live-axle drive-train well detailed and even comes with shock absorbers.

The dedicated Landy enthusiast might want to add their own brake lines, using references. The conversion to fire truck status involves the fitting of a roof-rack that carries a three-part ladder, water hoses and a pair of warning lights, plus a water pump for the front bumper. Sadly, apart from a set of (well printed) fire service decals (two for the UK, plus one each for Germany, Austria, Belgium and Spain), this is where the accessories finish, but in reality the cabin would surely be crammed with more fire-fighting gear. **MN**

+ A very accurate-looking Land Rover profile and a good amount of detail in the chassis

- A few more items of fire-fighting equipment would fill out the cabin nicely



EBBRO, JAPAN RENAULT FOURGONNETTE RENAULT SERVICE

www.hobbyco.net

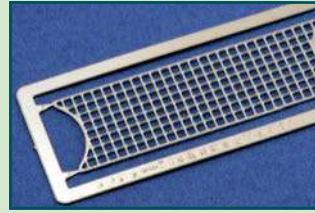
SCALE: 1:24

MATERIALS: IM, SVT, PE, PC, WS
ITEM NO.25012

Ebbro's delightful 1:24 'Fourgonnette' van first saw light in 2015 as a plain-liveried, all-grey vehicle; a kind of blank canvas for anyone wanting to customise the model by applying their own colour scheme and graphics. Now, with the release of this lovely 'Renault Service' machine we have an in-box solution for livery ideas! The kit is the same as the first Fourgonnette but in this release we also get a small extra sprue that provides the diamond-shaped rooftop Renault sign, which is a really neat touch. A flashed-over hole in the roof must be opened up from the inside by the modeller (show in a supplemental instruction sheet), then the sign can be fixed in place. Another small additional sprue is included, carrying the bumpers and door handles, but this time it is in grey, un-plated plastic which will be easier to paint in the more utilitarian colours of these service vehicles than a bright metallic finish. Ebbro provide a comprehensively detailed engine bay, in the centre of which is the little four-cylinder powerplant. All parts are very finely moulded and some are quite delicate, so a light touch will be needed when cutting parts from their sprues. **MN**

+ Superb subject choice, great detail inside and out and three very charismatic livery options

- Some engine bay parts are extremely fragile

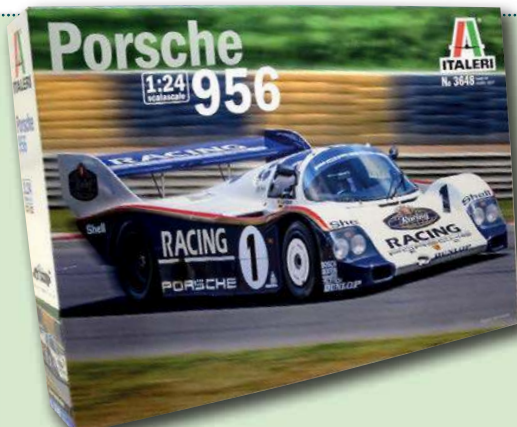


New Releases

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





ITALERI, ITALY PORSCHE 956

www.hobbyco.net

SCALE: 1:24

MATERIALS: IM, SVT, WS
ITEM NO.3648

It would appear that this kit began life as a Protar model in the early 1980s and the real surprise is that it was originally cast in metal, the body components at least. This might help explain the very thick plastic of the bodyshell and this isn't necessarily a bad thing; it will be less prone to distortion during the handling, painting and fitting stages. There are, however, a handful of moulding flaws such as sink-marks and rough edges that will need filling and sanding before any paint is applied. The parts-count is noticeably low, just sixty-seven or so mouldings, plus four tyres in synthetic rubber and a couple of metal screws to secure the body to the chassis. The latter will need to be modified somehow, or ditched completely and replaced with photo-etched body clips because they will be very apparent on the finished model. Although the parts-count is low and quite a few refinements will be required, this is actually quite a decent kit of the 956; the cabin comes with foot pedals, gearshift linkages, a dashboard with individually printed dial decals and a nicely moulded seat and just a harness set will be needed here. Interestingly, the excellent decal sheet comes with the original tobacco sponsors' logos, should you choose this option. **MN**

-  A little bare-bones in style, but with some neat details and tobacco decals
-  Body attachment screws must be replaced for realism





MINIART, UKRAINE SOVIET BALLTANK 'SHAROTANK'

www.creativemodels.co.uk

SCALE: 1:35 • MATERIALS: IM, WS
ITEM NO.40001

In the markings section of this kit's instruction booklet, we have very plausible-sounding options such as a 'captured combat vehicle, Wehrmacht unit, Eastern Front 1944', '1st Belorussian Front, Battle for Berlin, 1945' and 'Red Army, summer 1942-1943' and this level specificity might lead one to think the 'Sharotank' existed in reality. Of course, it didn't, but that shouldn't get in the way of modellers having fun with the kit! There's a chance that the creators of the model were inspired by the mysterious 'Kugelpanzer' that resides in the Kubinka Tank Museum, Russia, but this is an original concept that has clearly been thought through by MiniArt's creative team. It's not just an 'only for fun' model with no interior; between the hemispherical hull halves we are treated to some wonderful detail, with a complete inner frame, engine (with its own radiator and cooling fan), gearbox, 'drive rollers' (?) driver and gunners' positions and weapons galore. It's extremely bizarre but not so far-fetched that it's beyond the realms of possibility. Check out the 'Tsar Tank' if 'weird' is your thing. MiniArt have done a terrific job with this kit, incorporating very fine detail and some almost convincing ideas that really stimulate the imagination. **MN**

-  A very neat 'what if' fantasy project with a fully detailed interior and plausible markings options
-  Nothing to criticise here really it's a fun exercise in (semi) fantasy modelling



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, PEBM; PHOTO-ETCHED BADGES/MIRRORS, PMP; PRE-ASSEMBLED METAL PARTS), PS; PAPER STRIP, R; RESIN, SVT; SOFT VINYL TYRES (OR TUBING),



ICM, UKRAINE JUNKERS JU88 C-6B

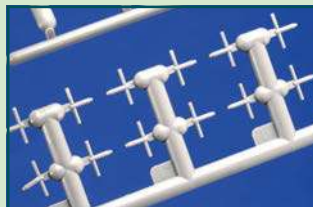
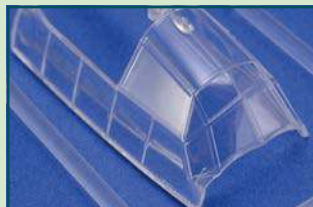
www.icm.com.ua

SCALE: 1:48 • MATERIALS: IM, WS
ITEM NO.48239

Over the last four years or so, ICM have offered modellers at least eight different versions of the ubiquitous Junkers Ju88 'schnellbomber' and all have been received well by Luftwaffe modellers around the globe. The Ju88 'C' series were originally designed as heavily-armed fighters or ground attack aircraft and thus were fitted with extra weaponry in a new, solid nose. After increasing Allied attacks on Germany, the 'Cs' were reassigned as night-fighters, with gondolas removed to enhance their performance. An improvement on the C-4, the C-6 was equipped with radar (instantly recognisable by the presence of the radar emitter array on the nose). The C-6b to be used either FuG 202 Lichtenstein BC or FuG 212 Lichtenstein C-1 radar systems and was replaced later by the Ju88C-6c that also carried the upward-firing 20mm 'schräge-musik' cannons. ICM's Ju88C-6b makes use of the main structural parts from their Ju88A-11 kit released in 2017, with the addition of two new sprues and extra canopy mouldings for the C-6b. The new components are essentially the solid gun-nose and its radar arrays, exhaust flame-concealers plus some interior changes. **MN**

+ An excellent model series from which ICM are making the most: the night-fighter is one of the latest. High quality all round

- Seat harnesses will need to be sourced from aftermarket suppliers



TAKOM, CHINA

STRATENWERTH 16T STRABOKRAN VIDALWAGEN V2 ROCKET 1944/45 PRODUCTION

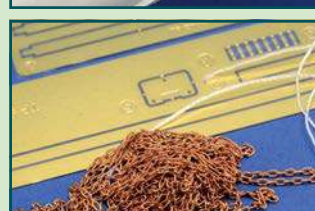
www.pocketbond.co.uk

SCALE: 1:35 • MATERIALS: IM, WS
ITEM NO.2123

Takom already have in their 1:35 range an excellent model of the V2 'Vergeltungswaffe' (Aggregat 4) and so it makes sense for them to maximise its use across several kit releases. They now have issued it with the 'Vidalwagen', a simple but sturdy 'A-frame' trailer, plus the Strabokran which is a kit in itself. In reality, the Vidalwagens were used to move the missiles from the rail depots to storage bunkers and then transport them again to the units of technicians who would actually be carrying out the launches. From there, V2s would be lifted onto Meillerwagens (via Strabokrane), which would erect them into the vertical firing position. Takom appear to have done an excellent job with the Vidalwagen; I say "appear to" because little is known about the trailer, the manufacturer having destroyed the technical documents to cover its tracks, postwar. The detail is very refined in the now familiar Takom manner and the accompanying Strabokran is deliciously complex, presenting a pleasant challenge to assemble. This kit would make a superb subject for a diorama, because apart from figures, pretty much all you need is in the box. **MN**

+ A very interesting subject, even though it's just a trailer. Great detail, well moulded

- Rigging the Strabokran might be tricky, so perhaps not a kit for beginners



RODNEY, IT'S OUR LOVELY JUBBLY TRANSIT!

David Eaves gives Del Boy and Rodney a new ride, in the form of Italeri's 1:24 Ford Transit van!



I bought this kit on a whim in June this year and put it in the stash for the future... But then a group build entitled 'Dirty Old ***' came up in one of my Facebook groups, so I thought an old British Ford Transit would be the perfect subject! To add a little twist and some humour, I decided to paint it in 'Trotters Independent Trading' livery, inspired by the BBC TV series 'Only Fools and Horses'. The actual vehicle in the show is a yellow Reliant Regal panel van, but what dodgy British small business doesn't need a rusty old Transit?

On inspection, the kit itself is fairly basic – a 'curbside' model with nice exterior detail – but lacking an interior, engine (nothing under the bonnet) and very basic suspension. First job was priming. A lot of people wash the parts in detergent first, but I only do that if it's a very old kit. So I went straight on with my standard go-to primer; AMMO by Mig One Shot

Grey. It's the same as the Stynylrez I used to use, but I can get it locally instead of mail order. I love this stuff, it offers perfect results every time with no hassle. The next coat was Tamiya XF-9 Hull Red for rust, to be revealed later. For the areas of peeled-off paint, I used Humbrol Maskol, which is straightforward to work with and peels off easily. Next, for areas of bubbled



The first task was priming and here, AMMO by Mig One Shot Grey was used

rust, I used super glue, applied with a cocktail stick. Once this was all dry, I gave the body a coat of gloss white to help with coverage for the yellow and also to do a little reverse pre-shading. Next up, the gloss yellow.

DO ME A LEMON!

I used Mr Hobby Aqueous Cream Yellow as I didn't want the finished



The next layer of paint to be applied was Tamiya's XF-9 'Hull Red' to form the rust-coloured undercoat



result to be overly bright. I left the paint to dry for a couple of hours then peeled off the masked areas to reveal the rusted sections. I made my own decals for the 'Trotters' signage; downloading images from Google, cleaning them up in Pixlr and then printing them onto laser decal paper using a colour laser printer. It turns out laser decals do not need sealing



Humbrol Maskol is being dabbed on here, to be peeled off later to reveal the rust-colours

with a decal fixer – I tried one and it went on perfectly, just like a kit decal. Obviously, you have to trim them very close as the carrier film covers the whole sheet, but the paper I used is ultra-thin and I got a very good result. I added some rust pigment to the rusty areas, then painted on some diluted PVA white glue and sprinkled and dabbed on Vallejo's 'Old Rust' pigment.



To create areas of bubbling rust trapped beneath the paint, superglue was applied using a cocktail stick

DONE UP LIKE A KIPPER

For the interior floor, I wanted to create scuffed areas in the footwells and scraped & worn areas in the loading area, indicating years of on & offloading boxes, cargo etc. So after priming, I airbrushed the area in silver, sealed it with a clear coat then sprayed on a couple of coats of hairspray, followed an hour later



Once these 'pre-treatments' had dried, the bodyshell was given a coat of gloss white to help with coverage for the yellow top colour

FULL-BUILD: BBC TV SERIES VEHICLE

ITALERI 1:24 FORD TRANSIT MK.II ● KIT NO.3687



Mr Hobby Aqueous Cream Yellow has a muted tone and was therefore ideal for the faded colour of the Trotters' van



Here we can see where the Maskol has been peeled away, revealing the XF-9 Hull Red applied previously

by a yellow topcoat. I left this for twenty-four hours before applying water to selected areas (to activate the hairspray) and chipping away the yellow paint using an old worn out brush. Once completed, I applied a dirt-wash using SMS black panel wash diluted with white (mineral) spirit.

The road wheels were lacking in detail, so I added three resin inserts I had already, leaving one standard with the wheel trim fitted. The resin wheels are four-stud and should strictly be five

for a Transit... but don't tell anyone. I flattened the rubber tyres slightly by heating up an area with a lighter (take great care if doing this) then holding them against the desk to create distortion and flat spots. The wheels were painted chrome silver, sealed with clear gloss then rusted with oil paints.

MANGE TOUT RODNEY, MANGE TOUT

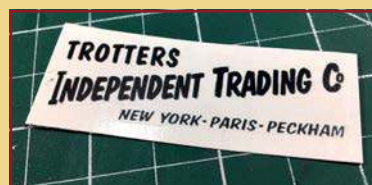
The Trotters were notorious for their animal-print seat-covers and I wanted to add this feature. The kit seats are

smooth, meant to replicate vinyl, so I stippled them with Vallejo Plastic Putty using an old brush to create a 'furry' texture. I then hand-painted the double seat in zebra print and mismatched the driver seat with leopard print, weathering afterwards with first white ground-up pastels to soften the colour change, then black to create shading.

To complete the tacky interior, I also stippled the steering wheel with putty and painted it with the zebra stripes. I



The author made his own decals for the 'Trotters' signage by downloading images from Google, cleaning them up on a PC and then printing them onto laser-printer decal paper



Laser decals do not need sealing with a decal fixer they went on perfectly, just like a regular kit decal



Laser decals do not need sealing with a decal fixer they went on perfectly, just like a regular kit decal

Mini Review...



EDUARD 1:32 F/A-18E wheels (632136) for Revell
www.eduard.com
www.creativemodels.co.uk



Revell's huge F/A-18E Super Hornet is now out and the aftermarket goodies are accumulating. One of the key points of interest on any model aircraft are the wheels/tyres and they can have a disproportionate influence on the final outcome of the model, so it's worth spending money and time on this area. Eduard's new resin set provide main and nose wheels, plus separately cast brakes for the former. Not only do we get greatly improved sidewall detail, but weighted bulges too. Fantastic!



After priming the van's floor, it was airbrushed silver, sealed in with a clear coat then a couple of coats of hairspray were applied. This was followed an hour later with a yellow layer, which was left to dry for twenty-four hours before tap water was applied to selected areas to activate the hairspray. Paint chips were created using an old brush



was lucky enough to source some tiny dice off eBay, so I superglued a strand of cotton between two of them to create fuzzy dice. These were later treated to the same putty stippling to add texture.

For the grille, I airbrushed it in rubber black and then weathered it with white pastel. I also added a piece of mesh behind it, later blocked in with a piece of styrene to simulate a radiator.

The side doors and rear hatch were painted using the same method as the bodyshell. These were temporarily fitted to the body while I did a little extra painting with grey 'primer', working on the premise that someone has sprayed primer over the rusted areas to try to slow down the corrosion. I then added the graffiti decals, just on one side. You can view the van in two different ways; almost two models in one. Once all this was done, I started work on the rust staining and streaking using oil paints. 🎨



The kit's road wheels lack detail, so three resin inserts from the spares box were used, leaving one wheel with the standard trim. The resin wheels have four-studs, but strictly speaking, there should be five for a Transit...



The author flattened the rubber tyres slightly by heating them up with a lighter (take great care if doing this) then pressing the softened area against a flat surface to create flat spots



The kit seats have smooth surfaces, so they were stippled with Vallejo Plastic Putty to create a 'furry' texture



The double seat was hand-painted in zebra print and the mismatched the driver seat in leopard print



FULL-BUILD: BBC TV SERIES VEHICLE

ITALERI 1:24 FORD TRANSIT MK.II ● KIT NO.3687

YOU PLONKER!

The front and rear bumpers were painted using the same Maskol and superglue method described previously, with the end caps (ABS plastic) sprayed in rubber black and pastel weathered. The front headlamps were hollow with no backing, so I fitted some kitchen foil behind them to create some reflectivity. The indicators and rear light clusters were painted on the insides with Mr Hobby Aqueous clear colours, and Molotow Chrome on the body shell where they fitted. I made a tabloid newspaper to sit on the front seat, as well as the 'tax in post' and 'midwife on emergency call' signs, both inspired by the TV show.

THIS TIME NEXT YEAR, WE'LL BE MILLIONAIRES!

Final assembly was simple as the sub-assemblies virtually click together. I printed out a couple of A3 size photos of a block of flats so I could photograph the van against its traditional home; parked outside Nelson Mandela House, Peckham! In conclusion, a build I enjoyed very much. Not the greatest detailed kit, but a good result is achievable. ●



The grille was airbrushed in XF-85 Rubber Black and then weathered with white pastel. A piece of mesh was fitted behind it, later blocked in with a piece of styrene to simulate a radiator



Some tiny dice were found online, superglued a strand of cotton between and hung from the rear view mirror



To complete the tacky interior, the steering wheel was also stippled with putty and painted in zebra stripes

A tabloid newspaper was made for the front seat





TECHSPEC...

ITALERI 1:24 FORD TRANSIT MK.II
KIT NO.3687

Materials;

Injection-moulded polystyrene, polycaps,
synthetic rubber tyres, waterslide decals

Paints used:

- AMMO by Mig One Shot Grey
- Tamiya XF-9 Hull Red, XF-85 Rubber Black
- Mr Hobby Aqueous Cream Yellow
- Molotow Chrome pen

Weathering:

Vallejo's 'Old Rust' pigment

Availability;

Italeri models are widely available from
good model shops and online. UK import and
distribution by The Hobby Company Limited;
www.hobbyco.net



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KIT PREVIEW: MODEL MOTORSPORT

TAMIYA 1:12 PORSCHE TURBO RSR 934 JÄGERMEISTER W/PHOTO-ETCHED PARTS ● KIT NO.12055



Marcus Nicholls becomes a ten year-old boy again and admires Tamiya's 1976 1:12 Porsche for all its eye-catching glory!



THE 'MEIESTE

The 1:12 Porsche Turbo RSR 934 in bright orange Jägermeister colours must surely rank as one of Tamiya's most famous models and has established itself as an icon of the scale modelling hobby. I was just ten years of age when the kit was originally

launched in 1976 and I remember being mesmerised by its huge kit box (huge to the ten year-old me, at least) in the window display of the model shop I used to visit with my dad. Of course, I never had the chance to build one back then (I wouldn't have known what

to do with it anyway, never mind afford it) but the kit was re-issued in 2007 (as a pre-finished model), in 2009 with photo-etched parts and again now, with slick tyres, so I have no excuse not to get it on my workbench!

The big 934 is every bit as impressive when one lifts

the lid. The vast bodyshell and monocoque are temporarily taped together in the box so one can immediately appreciate the size of the finished model. The new slick tyres are superbly realistic and the supplemental photo-etched nickel steel sheet provides





ER RETURNS

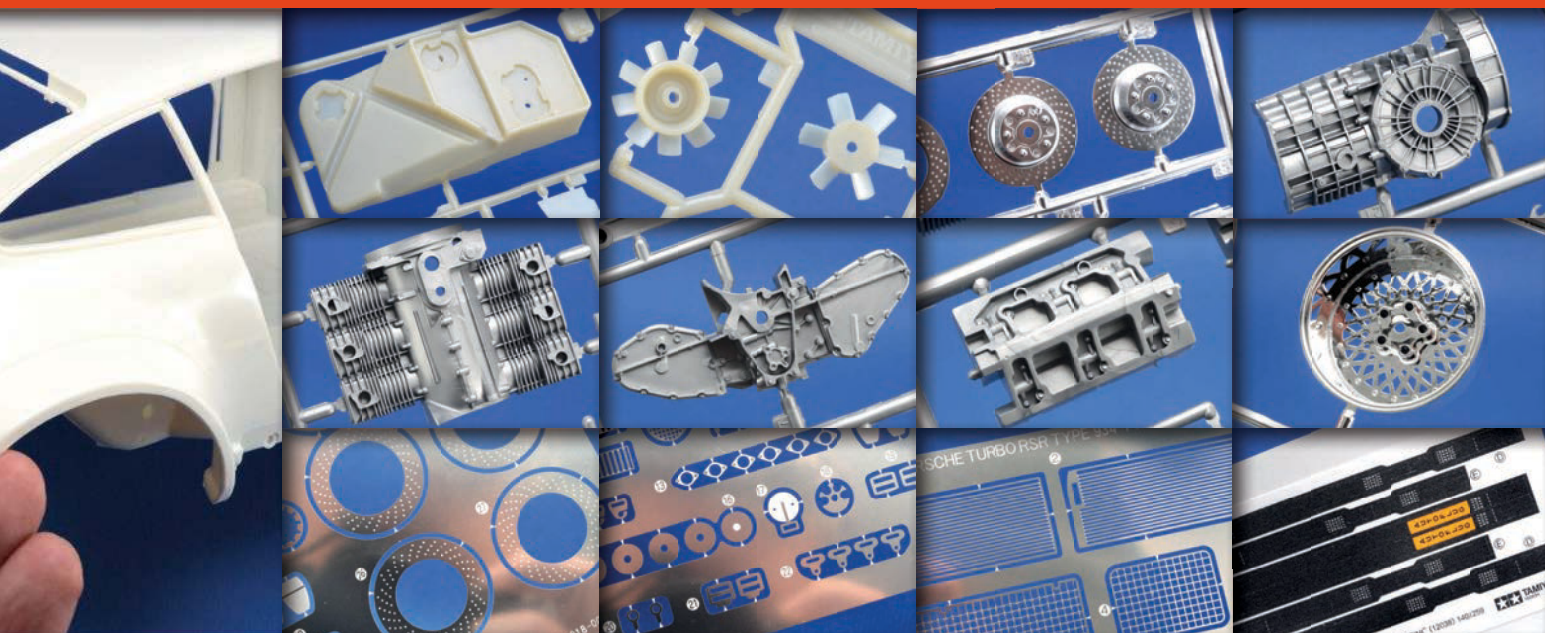
some very effective up-detail parts without being overwhelming. On the sheet you'll find brake disc faces, radiator matrices, driver's seat harness buckles, body fasteners and other pertinent parts. A sheet of pre-cut, self-adhesive fabric-effect seatbelts work

perfectly with the metal buckles to create a very realistic five-point 'Autoflug' harness.

That gorgeous flat-six turbo engine still looks breathtakingly well detailed and the fuel tank and cooling fans moulded in translucent plastic are

fantastic. Sometimes when we get a second look at a kit we have idolised for decades, the experience can be disappointing, but not in this case. Tamiya's big orange Porsche Turbo is absolutely wonderful and the new parts make it even better. Available soon! ●

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
For paints and accessories, check out www.hiroboy.com



Book Reviews

GOT A NEW BOOK? IF YOU ARE A PUBLISHER WITH A NEW MODELLING RELATED TITLE TO PUBLICISE, WHY NOT SEND IN A COPY FOR REVIEW HERE?

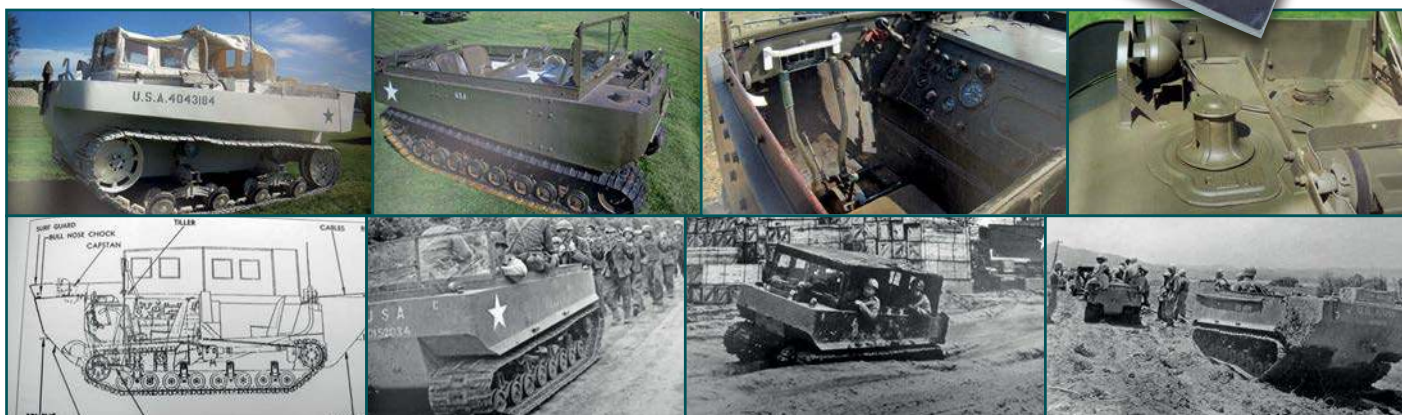
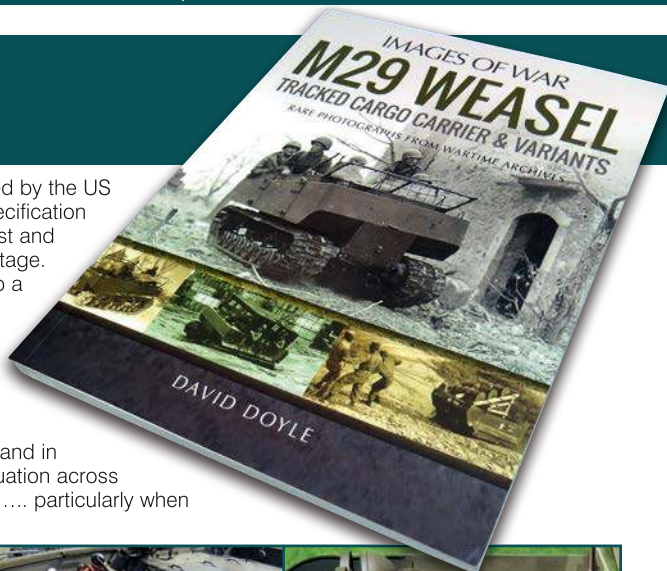
M29 WEASEL, IMAGES OF WAR SERIES

David Doyle, Pen & Sword Books Ltd.

ISBN: 1526743566

www.pen-and-sword.co.uk

The M29 Weasel, and the amphibious M29C 'water weasel' were iconic vehicles used by the US Army (and others) in the last year of WW2, and then on into the Korean War. The specification for the Weasel was first proposed by the eccentric Geoffrey Pike, an English journalist and inventor. He suggested that special forces could operate in Norway, to commit sabotage. The Norway attack never took place, but the US manufacturers continued to develop a series of prototype vehicles for crossing deep snow, culminating in the Weasel. The 168-page book has around 250 photographs, covering the T15 and T24 pre-production types (up to page 66), before giving a more detailed look at the M29 and M29C. The photos are mostly of preserved vehicles and the majority (pages 70 to 125) deal with the amphibious version. Every detail is covered, and modellers are given a wealth of information for detailing their kit – when one comes out (hint to Tamiya!). The last twenty pages show the vehicle in action, in Europe, in the Pacific, and in Korea. Interestingly, one main use of the Weasel seems to have been casualty evacuation across difficult muddy or snowy terrain. This is a terrific book, and a real value to modellers..... particularly when a kit comes out! **CLS**



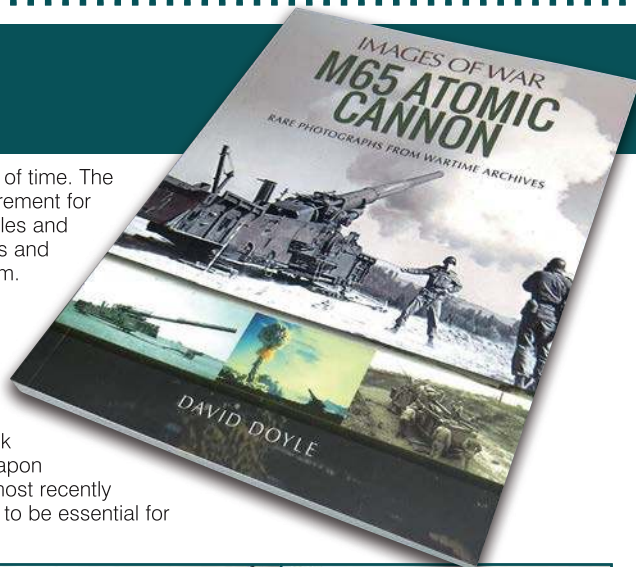
M65 ATOMIC CANNON, IMAGES OF WAR SERIES

David Doyle, Pen & Sword Books Ltd.

ISBN: 1526743604

www.pen-and-sword.co.uk

The Cold War spawned many ingenious weapons, some which did not stand the test of time. The huge Atomic Cannon was a product of this period, stemming from a post-WW2 requirement for a gun to deliver atomic-bomb shells. The range of this 280mm cannon was twenty miles and despite the difficulties of designing a shell that could cope with the incredible stresses and still detonate successfully, the cannon was felt to be the most accurate delivery system. Within a few years, the twenty guns were obsolete as rocket technology was getting more accurate and reliable and certainly much more flexible. This book of 230 pages is split with the first half consisting of period pictures of the massive cannon and its double-ended tractor system, with the second half filled with detail photos of preserved guns and tractors. The photos are all clear, sharp and well-chosen to illustrate the use of this beast of a weapon, as well as the huge difficulties involved in getting it around the countryside. Overall, this is a fabulous book on a really fascinating topic, and it is truly scary to think that these were a serious weapon for the decade up to 1963. The M65 has appeared in model form in various scales, most recently in 1:72 from Dragon. With so many previously unpublished photos, this book has got to be essential for anyone making a detailed model of the gun and its extraordinary tractor system. **CLS**



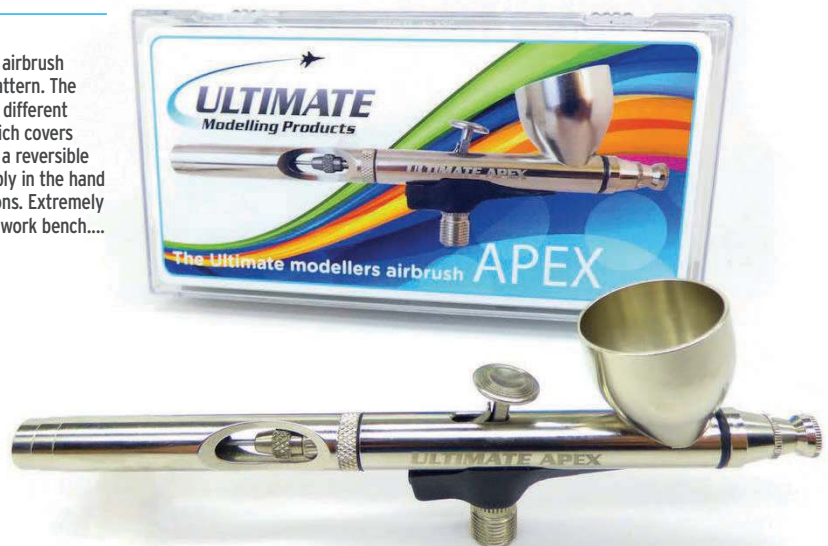
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TAMIYA'S 1:48 SUPERMARINE SPITFIRE MK.I

When Tamiya released their 1:32 scale Spitfire Mk.IXc in 2009, they set a new standard for plastic model kits. As one of the most popular subjects in the history of scale modelling, we should not be surprised to find that Tamiya has now released an all-new Spitfire kit in 1:48 scale.

Tamiya's brand new 1:48 scale Spitfire Mk.I delivers innovative design, outstanding detail, an accurate outline and crisp, subtle surface textures.

This model has nothing at all in common with their 1993 kit. Between these covers, we provide an exhaustive step-by-step illustrated guide to building Tamiya's 1:48 scale Spitfire Mk.I straight from the box plus tips on painting and weathering. Plenty of inspiration is offered with two different configurations plus a conversion to the Photo Reconnaissance version with models by Brett Green and Marcus Nicholls.

Also included are a walkaround of a surviving Spitfire Mk.I, a summary of other Spitfire Mk.I model kits available in 1:48 scale, a list of available accessories and decals plus a catalogue of helpful references.

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Kinetic's all-new 1:48
F-104G Starfighter



MINTED!

Beemax 1:24 BMW in Tic Tac scheme

CREATING A BUZZ

Tamiya's new 1:35 Hummel
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PERPLEXING PANZERGRAU

I don't know about you, but painting scale models of AFVs in dark colour schemes always presents me with an extra challenge; they end up, well, just too dark! I have a strategy for painting Tamiya's new 1:35 Pz.38(t) though. Dust! From what I have read, the last weeks of June 1941 during Operation Barbarossa were warm and dry and as such, clouds of dust would have blown up and landed on the Wehrmacht's tanks and vehicles. For me, this means I can use the powdery effect to lighten the deeper recesses of detail so my model doesn't end up looking like a lump of coal.. The kit will be on sale soon and, of course, we will be covering it in depth in Tamiya Model Magazine. Subscribe now: adhpublishing.com ●

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



Photos: Tamiya factory and Brett Green



EDITOR'S CHOICE

USCHI VAN DER ROSTEN 'TRINITY SPLATTER' TEMPLATES

As you will have seen in my article on Tamiya's new 1:48 P-38 Lightning this issue, I used a texture template to create some random-looking colour variations on the wings of the model. I used Uschi Van Der Rosten's 'Trinity Splatter' templates which are made from photo-etched brass in three gauges. They are fantastic for establishing a base level of colour 'splatches' and can be cleaned off in thinner and re-used indefinitely. The soft brass also allows them to be bent to the shape of the model's surface for better pattern definition when airbrushing through them. Highly recommended. www.uschivdr.com



KIT PREVIEW

TAMIYA 1:48 LOCKHEED P-38 F/G LIGHTNING ● KIT NO. 61120



LIGHTNING CAN STRIKE TWICE!

Tamiya have created an 100%, all new 1:48 kit of the Lockheed P-38 F/G Lightning with wonderful precision.

The complex Lightning P-38 was one of the most crucial fighters of World War II for the Allied cause. The pilot's cockpit and weaponry sat in a central nacelle flanked by twin booms which taper back to the tailplane. Each boom houses a turbocharged V12 engine and the distinctive overall image led to it being known by some as the Fork-Tailed Devil or Gabelschwanz-Teufel.

In 1937 the United States Army Air Corps requested a high-altitude twin-engined single seat fighter to intercept and attack hostile aircraft. The ongoing success of the Lockheed design meant that the P-38 had a notable impact as a superior fighter-bomber in the Pacific, Germany and the Mediterranean. The carrying capacity, firepower, handling and excellent range proved to be an outstanding success.

Now, thanks to Tamiya's new tooling, this legendary Lockheed designed P-38F/G Lightning from World War II is brought back to life in the 1:48 Aircraft Series. ●



Features:

- The P-38 form has been accurately replicated after extensive study sessions of actual Lightnings
- The model has the ability to be assembled with an open or closed canopy, with parts for the sideways opening P-38F and vertical opening P-38G designs.
- A curved canopy front has also been recreated and included.
- Weights are provided to ensure the correct stance of the model as a parked P-38.
- The model enables the construction of either the P-38F or P-38G.
- Two 150 and 300 gallon Drop tanks are included for P-38F and the more powerful P-38G setup so that it was capable of longer missions.
- The P-38G's carried both a 150 and 300 Gallon tank during Operation Vengeance.
- Highly detailed cockpit with decals for the instrument panel and wheel control column, plus raised details of the radio and throttle box on the cockpit walls.
- Two markings options are offered;
 - P-38F "White 33" 39th Fighter Squadron, 35th Fighter Group, 5th Air Force
 - P-38G "White 147" 339th Fighter Squadron, 347th Fighter Group, 13th Air Force
- Special metal effect decals are included to recreate the interior and engine cowling mirrors for the pilot to check landing gear.
- A pilot figure comes with the kit.
- Canopy masking sheet is provided for painting.
- A full colour painting guide is also included.



"It looks fantastic, it really does. The surface texture is everything that we have come to expect from Tamiya, restrained, crisp and accurate..."

(Brett Green)

Tamiya kits are widely available from good model shops and online.
UK import and distribution by The Hobby Company Limited; www.hobbyco.net



1/48
SCALE

LOCKHEED® P-38® F/G LIGHTNING®

An Ace in the Hole

The P-38 Lightning was developed by Lockheed in response to a 1937 proposal from the United States Army Air Corps; this twin engine aircraft would prove a massively successful design, enjoying a production run of around 10,000 units and spawning numerous U.S. aces in WWII. Its twin V12 engines were housed one each in twin booms that stretched back to the tailplane, flanking a central nacelle containing the cockpit and weaponry. A combination of superb range, firepower and carrying capacity ensured that the P-38 was a superior fighter-bomber, and it made a considerable impact after joining the Pacific War in late 1942 including the shooting down of Japanese Admiral Isoroku Yamamoto in 1943, a significant morale boost for the Allied cause. Now this legendary subject joins the Tamiya 1/48 Aircraft Series. Our designers spent plenty of time looking over real P-38s to ensure that not only is the model a highly satisfying build, it enjoys superb accuracy. Take this chance to construct it for yourself, and appreciate the wonder of the P-38 design.

★This is an accurate rendering based on extensive research of actual aircraft. ★Slim engine cowlings, wing, and curved windshield are recreated in style. ★Features sturdy and precise landing gear assembly. ★Choose whether to assemble as a P-38F or P-38G aircraft. ★Weights are included to give the model correct balance. ★Comes with a pilot figure.



(P-38F)
The detailed cockpit features control wheel, radio and more. Masking stickers are included for the canopy paint job.

Comes with two marking options: one P-38F and one P-38G.



Detailed depictions of turbochargers



Sturdy and accurate landing gear parts design



Metal effect decal

Special decals recreate cowl interior mirrors.



(P-38G)
Choose open or closed canopy, with parts for sideways-opening P-38F and rearward-opening P-38G designs.



P-38Gs which took part in Operation Vengeance carried one each of 150- and 300-gallon tanks.

Two sizes of drop tank are included.

150-gallon drop tank
300-gallon drop tank



Information leaflet and color painting guide included!

LOCKHEED MARTIN
P-38 Lightning®
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1/48 Aircraft Series
Lockheed® P-38® F/G Lightning® (Item 61120)

★Images show assembled and painted kit. ★Product may vary from images shown. ©2019 TAMIYA

