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RAZORBACK**

Tamiya's 1:48
P-47D Razorback
in RAF colours

**Model
MAGAZINE**
INTERNATIONAL

**ISSUE
310**

August 2021
£4.95

Model MAGAZINE

INTERNATIONAL

**FORENSIC
FERRARI**

*An extraordinary cut-away
of Tamiya's iconic 1:24 F40*

INSIDE

Aoshima 1:24 Pagani in carbon-fibre, 1:35 FCM36 tank,
plus new kits, books and modelling accessories...

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Zvezda models are available from good model shops

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IN MODEL KITS**



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iconic 1:24 Ferrari F40



Model MAGAZINE INTERNATIONAL

Issue 310 August 2021

EDITORS Brett Green, Alan Harman
editor@tamiyamodelmagazine.com

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HOW TO CONTACT US:

TELEPHONE: (UK) 01525 222573

EDITORIAL EMAIL: editor@tamiyamodelmagazine.com

ALL OTHER ENQUIRIES: enquiries@doolittlemedia.com

ADDRESS: Tamiya Model Magazine International,
Doolittle Granary, Doolittle Lane, Totternhoe, Bedfordshire, LU6 1QX, UK

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IN BRIEF...



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- 1:32 Mini 4WD Eleglitter (VZ)
- 1:32 Mini 4WD Dash-1 Emperor (Type 3) Special Kit
- 1:32 Mini 4WD Dash-01 Super Emperor Special Kit
- 1:32 Mini 4WD Dash-0 Horizon Special Kit
- 1:32 Mini 4WD Dash-001 Great Emperor Special Kit
- 1:32 Mini 4WD Car Catcher (J-Cup 2021/Light Blue)
- 1:32 Mini 4WD DCR-02 Clear Black Special (MA)
- 1:32 Mini 4WD VZ Chassis Set (Pastel Blue)
- 1:32 Mini 4WD VZ Chassis Set (Red)
- 1:32 Mini 4WD Super Hard Low-Profile Tire & Reinforced Wheel Set (Dish, Dual Ridge Jr)
- 1:32 Mini 4WD Dypine Body Parts Set (Clear Orange)
- 1:32 Mini 4WD Neo-VQS Polycarbonate Body Special (VS)
- 1:32 Mini 4WD Dual-Ridge-Jr-Japan-Cup-2021-Polycarbonate-Body-VZ-Chassis
- Silicone Oil #4000
- Silicone Oil #5000
- 1:10 RC Comical Hotshot Body Parts Set
- 1:10 RC Super Storm Dragon Body Parts Set



AFV CLUB

- 1:35 Australian M113A1 wT50 turret

pocketbond.co.uk

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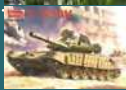
- 1:35 T-72 AV (full interior)

amusinghobby.com tigerhobbies.co.uk

ARMORY MODELS GROUP

- 1:72 ZSU-23-4V1 Shilka mod.1970

armoryhobbyshop.com



BRENGUN

- 1:144 Texaco fuel truck

brengun.cz



EDUARD

- 1:72 MIG-21PF ProfiPACK
- 1:72 Fokker D.VIII (OAW) Weekend Edition
- 1:72 Desert Babes Limited Edition

creativemodels.co.uk eduard.com



GECKO MODELS

- 1:35 Famous K2/Ys - Katy and the Princess (Limited Edition)

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- 1:48 F-104C USAF

luckymodel.com



REVELL

- 1:24 '66 Shelby GT350-H

revell.de



RYE FIELD MODEL

- 1:35 Panzerkampfwagen IV Ausf.G
- 1:35 Panzerkampfwagen III/IV winterketten 3D
- 1:35 M4A3 76W HVSS Sherman Korean War
- 1:35 Tiger I Initial Production 1943

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T-REX

- 1:35 WWII European Civilian Set.1 3D

t-rex-studio.com



ZOUKEI-MURA

- 1:48 F-4E Phantom II
- 1:48 F-4EJ Phantom II

tigerhobbies.co.uk



ZVEZDA

- 1:72 Russian Hussars Napoleonic Wars 1812-1814
- 1:72 Cossacks 16th-18th century
- 1:35 Tor-2M surface-to-air missile system

hobbyco.net



NEW FROM TAMIYA

1:48 Kawasaki Ki-61-I

Tamiya's superb 'Tony' kit in 1:48 is to be issued with a matt silver plated finish and a sheet of camouflage decals, to make the replication of this famous fighter that little bit easier. Here is factory photo!

www.hobbyco.net www.tamiya.com



NEW FROM TAMIYA

1:12 Honda CBR1000RR-R FIREBLADE SP Masterwork Collection

These are factory finished versions of the 1:12 Honda CBR1000RR-R FIREBLADE SP kit model launched in 2019.

Length: 176mm, width: 68mm, height: 96mm.

Akrapovic exhaust is slide-moulded. Comes with a racing stand.

www.hobbyco.net



NEW FROM TAMIYA

1:10 RC Toyota GR86 (TT-02)

Tamiya is to release the Toyota GR86 in 110 RC form. The kit will feature the shaft-driven 4WD TT-02 chassis fitted with black, ten-spoke one-piece wheels.

www.hobbyco.net



NEW FROM AIRFIX

1:48 De Havilland Chipmunk T.10

Despite being a Canadian design, the Chipmunk has become one of the most recognisable Royal Air Force aircraft of the post war era and has enjoyed a military career which began in the early 1950s and continues to this day. Airfix's all-new model will come with a detail cockpit and engine, plus four markings-options.

www.airfix.com



NEW FROM REVELL

1:144 Boeing 747-8F Cargolux LX-VCF 'Facemask'

Boeing 747 operator 'Cargolux' really got into the Covid fun and games by painting up one of their Jumbos with a huge facemask.

revell.de



NEW FROM AOSHIMA

1:24 2000 Paganini Zonda C12S

On the way for September is this hypercar from the early Noughties, and will feature a detailed engine, suspension and chassis. Window frame masks will be included.

www.hiroboy.com



1:72

- Blackburn Buccaneer S.2B for Airfix
- Blackburn Buccaneer S.2B Paint Mask for Airfix

1:48

- Boeing B-17F Flying Fortress paint mask for HK Models
- Bristol Blenheim Mk.I paint mask for Airfix
- Sukhoi Su-33 paint mask for Mini Base
- BAe Harrier GR.3 Zoom Set for Kinetic Model

1:35

- Typhoon K seatbelts STEEL for Zvezda

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



NEW FROM EDUARD
New aircraft in 1:48

On the way are the Tempest Mk.V Series 1 ProfiPACK, Spitfire Mk.IIb ProfiPACK and Bf109G-10 Erla Weekend Edition
www.creativemodels.co.uk
eduard.com



NEW FROM REVELL
Holiday's are coming!

Christmas is nearly here, so Revell are to issue a 3D puzzle Coca-Cola Truck with LEDs to brighten up the mantelpiece in a corporate fashion! revell.de



NEW FROM MENG
1:9 BMW R nineT

This new kit from Meng will feature moveable front and rear shock absorbers, electroplated spokes, headlamp bowl, exhaust sections, metallic fuel tank, vinyl seat, decals for three colour schemes.
tigerhobbies.co.uk



NEW FROM SCALE MOTORSPORT
1:24 McLaren Senna carbon-fibre pack

SMS have created a comprehensive set of carbon-fibre-effect decals for Tamiya's sublime 1:24 McLaren Senna kit, on release soon.
www.scalemotorsport.com



NEW FROM BEEMAX/NUNU
1:24 BMW M8 GTE 2019

The mighty M8 joins the 1:24 ranks thanks to Beemax/Nunu and it will have a dedicated detail set released at its side.
www.hiroboy.com



NEW FROM ZVEZDA
1:144 Boeing 757-200

The 757 is one of the most successful passenger jets with over 1,000 examples built, first flying in 1982. This new-tool kit can be built with either Rolls-Royce or Pratt & Whitney engines. Decals are included for Icelandair. Also on the way: Valentine II British Infantry Tank in 1:100 and a Roman Trireme in 1:72.
www.hobbyco.net



NEW FROM ZVEZDA
1:72 Hawker Hurricane Mk II C

The Hawker Hurricane was the best British fighter at outbreak of WWII and of the 4,711 Mk.IIC built, 1,200 were supplied under Lend-Lease to the USSR. Zvezda have created an all-new model of this icon in 1:72, in glueless assembly form. Decals for two British and one Soviet aircraft.
www.hobbyco.net



eduard 1:48 FE 1173 + 48 1173 Harrier GR.3
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ROYAL RAZOR

Jason Brewer finally gets the chance to build Tamiya's sublime 1:48 P-47D Thunderbolt 'razorback' and enjoys every minute



RORBACK

Tamiya's 1:48 P-47D Razorback has been around since 2002 and has a reputation for being one of the most enjoyable kits to build. I've had this one sitting in my closet for years, and finally got around to building it. Armed with an arsenal of aftermarket to spruce it up and some unique RAF markings, I set out to see if it lives up to the hype.

Starting with the cockpit, I swapped out the kit parts for a set from True Details. TD's cockpits are a little hit or miss, but this one is a gem. It was clearly based on the original kit parts with extra details added, because everything is drop fit. I also opted to use a beautiful instrument panel from Yahu, and a resin seat from Ultracast that is superior to the one offered by True Details. The cockpit was painted with AK Real Colors Dull Dark Green and details were picked out with Vallejo acrylics. A little bit of drybrushing and some AK washes dirty things up, and AK's Matte Varnish seals everything in. ▶



The True Details cockpit is a nice upgrade and the Yahu instrument panel is a jewel



The rest of the cockpit, with the Ultracast seat in place of the TD offering



The kit engine looks the part, and after careful painting and wiring it comes to life



The P-47 cowl hides most of the engine, but the extra effort still peeks out





The riveted airframe is mocked up and almost ready for paint



The markings were painted first, starting with white, then masked before camo was applied



AK Real Colors paints spray wonderfully and the colours look accurate to the eye



The masks for the markings were removed and it's starting to come to life



Decalled, weathered, and fully unmasked, the plane is ready for final assembly



Build Your Dream!

LEVEL 4

NEW TOOL



05176 US Navy Swift Boat Mk.1 (PCF), 1:72

LEVEL 2

NEW TOOL



07676 VW T2 Camper (easy-click), 1:24

LEVEL 4



03325 8.8cm Flak 37 & Sd.Anh 202, 1:72

STAR WARS



01209 Y-Wing Starfighter (Bandai), 1:72

STAR WARS



01210 A-Wing Starfighter (Bandai), 1:72

Available from all good model stockists and online from

hobbycraft

hobbycraft.co.uk/brand/revell

❶ Using a diagram from Aero Detail No.14 as a reference, I riveted the entire airframe. With that done, the fuselage was closed up, wings were assembled and attached, and set aside while I tackled the engine. Originally I planned to use a Quickboost resin engine, but it was slightly undersized. Paired with the fact that the cowl of the P-47 hides the engine more than other American radials, I decided the kit engine would do the trick. Wired up and painted it certainly looks the part. The detailed Ultracast prop tops things off.

The roundels, fin flash, tail band and fuselage codes were painted first, then masked in prep for camo. AK Real Colors have become my paint of choice lately and these were used for all of the markings. After the camo was finished, all of the masks were removed and the tail codes were sprayed. I still needed to gloss for decals because decals were used for the playing cards nose art, then everything was sealed under another coat of gloss. ❷





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❶ Weathering was kept to a minimum as aircraft from No.73 OTU were used for training and didn't see any combat. A bit of scratching and chipping in the wing root, various colour-washes of AMMO Panel Line Washes, and exhaust stains added with heavily thinned Tamiya acrylics and it looked sufficient worn. AK's Matte Varnish was used for the final finish as it dulls things down but still leaves a nice sheen without going dead flat. Ultracast wheels with block tread were a nice upgrade over the kit parts as well. Tamiya's P-47 certainly didn't disappoint! I wish I had built one sooner, and I look forward to the bubble-tops still waiting in the stash. ●

“Tamiya's P-47 certainly didn't disappoint..!,,



TECHSPEC...

TAMIYA 1:48 REPUBLIC P-47D
THUNDERBOLT RAZORBACK KIT NO.61086

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

- Tamiya Acrylics
- AK Real Colors
- Vallejo Model Color
- AMMO of Mig Jimenez PLW
- AK-Interactive Matte Varnish

Accessories Used:

- True Details cockpit
- Yahu instrument panel
- Ultracast seat, wheels, prop
- Miracle paint masks
- Freightdog Decals

Before Starting:

- Tamiya Extra Thin Cement
- Tamiya Masking Tape
- Sprue Cutters
- Tweezers
- Gunze Mr Surfacer 500
- AK Interactive Grey Putty
- Future floor polish
- AMMO Ultra Glue

Airbrush Used:

Iwata HP-B Plus

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

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1/72



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Cat. No. 2136 JULY 2021

WWW.EDUARD.COM

FULL-BUILD: HYPERCAR

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA ● KIT NO.05599

CARBON MISSION

David Hunter builds, paints and carbon-fibres Aoshima's 1:24 Pagani Huayra Pacchetto Tempesta - and lives to tell the tale!



Here is the 1:24 Aoshima Pagani Huayra Pacchetto Tempesta, which has got to be one of the most rewarding and frustrating kits that I have ever built! But more on that later. The original Pagani Huayra (named after a wind god) officially debuted in January 2011. When I first saw the official press release photos I was in awe at its beauty, technology and craftsmanship. Now

some may say it is an ugly brute, however I have been a Pagani fan since Horacio Pagani first released the Zonda C12.

Since its inception, there have been many variants of the Pagani Huayra, some wild and some subtle – if you can call a Huayra subtle – one of these being the Pacchetto Tempesta version. This version has several differences over the standard Huayra, some of these being

a different front valance, rear diffuser and wheels. For modellers like me, the news that Aoshima of Japan were releasing a model of the Huayra was met with great excitement! They then later released the Pacchetto Tempesta version.

When I first received the original release Aoshima Pagani Huayra kit the number of parts quite honestly took me by surprise, as at that time I

was relatively new to the hobby, so I closed the box and decided to wait until I could do the kit justice. After a year or so, I saw that Aoshima had released the Pacchetto Tempesta version of the original kit which contained the upgrades mentioned earlier, so I obtained this kit and decided the time was now right to build it which I knew was going to take a bit of time if I was to do it justice! ►



FULL-BUILD: HYPERCAR

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA ● KIT NO.05599

● BUILD-UP

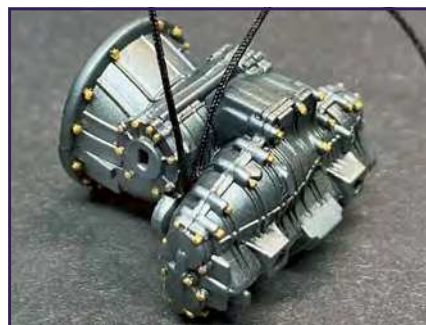
Before I started the build-up, I had read on numerous internet forums and social media that this kit was difficult to say the least, with ill-fitting parts and in my naivety, I thought, surely this is not the case. Oh, how you learn! I had looked at numerous photos of the Huayra and could not pin down one car that I would use as a reference, so decided to create my own version when it came to colour and carbon. Speaking of carbon, I decided early on that I would be using the excellent Scale Motorsport Carbon decals throughout the build. I chose their 1:12 Twill Weave Carbon for the majority of the car, with 1:20 and 1:12 scale carbon on other areas. I am also a big fan of the Hobby Design photo-etch and resin upgrade Kits, so the set for the Huayra was purchased.

The engine, gearbox and rear chassis were the first areas I started with as I thought this should be the simplest area, however, with most areas in this kit I soon learned this would not be the case. The engine and gearbox were painted using Zero Paints Metallics as would the chassis, and given a dark colour-wash to add a touch of realism. As the engine block area is pretty basic, I added some styrene rods which were heated and bent into shape to represent various pipes and hoses. For the gearbox, I added over eighty Masterclub resin bolts, each of which were hand drilled and glued into place. This alone almost caused me to put the kit back in the box!

Next was the engine cover. I wanted to achieve the correct gold for the centre section and various other chassis areas, and thankfully Steve Hemming at Zero Paints came up with the gold metallic, which I used on the engine cover and in various other areas as well. It was then onto the carbon-fibre areas, which were decalled with the Scale Motorsport 1:12 scale Twill Weave Carbon, and clear coated with a 2K Clear Coat from Marco Teodoro at Firescale Modeler. ●



The gearbox comes in two parts which was really lacking in detail. I used well over eighty Masterclub resin bolt heads here



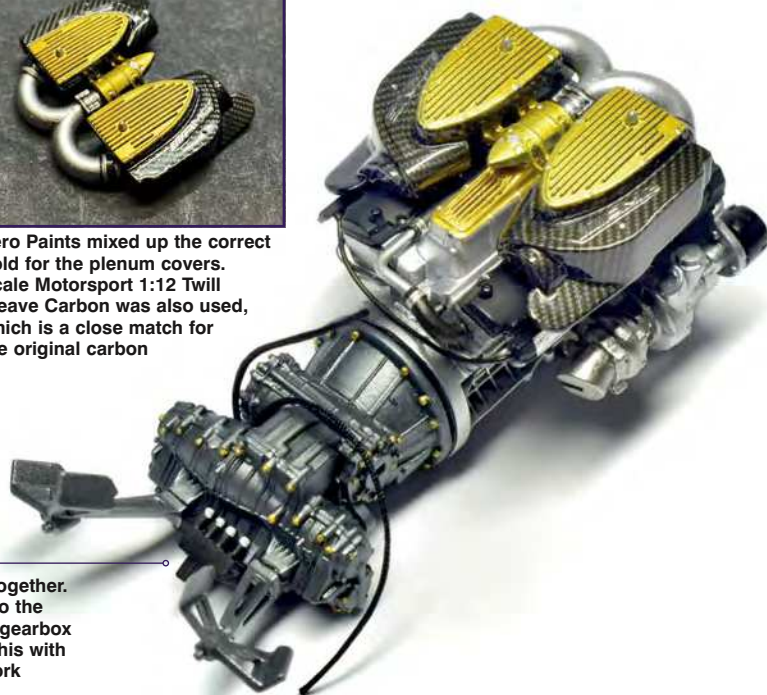
The gearbox parts joined. All the gearbox and engine parts were painted using Zero Paints Metallics: www.hiroboy.co.uk



The engine block. This shows the front of the engine which will never be seen, but still had to be detailed



Zero Paints mixed up the correct gold for the plenum covers. Scale Motorsport 1:12 Twill Weave Carbon was also used, which is a close match for the original carbon



The engine and gearbox joined together. This was now ready to be fitted to the chassis. The Huayra engine and gearbox is a complex beast! I enhanced this with styrene rod for additional pipework



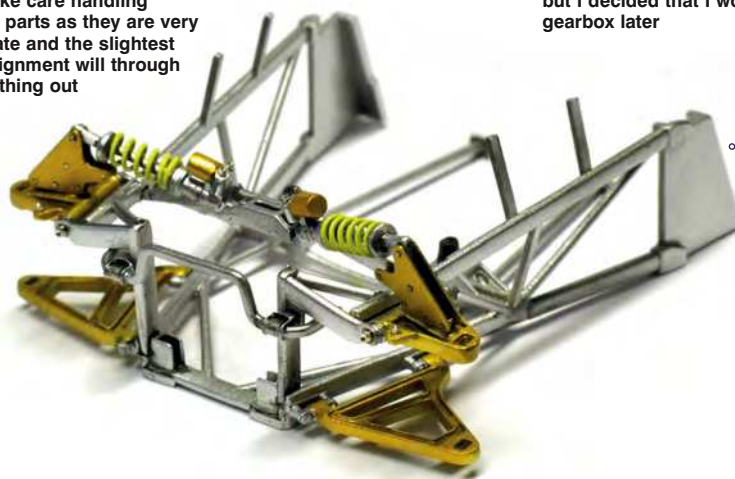
These are all the parts that make up the rear chassis. For anyone building this kit, take care handling these parts as they are very delicate and the slightest misalignment will throw everything out



The bottom of the rear chassis which was painted using Zero Paints Metallics



The upper part of the rear chassis attached to the lower. You are instructed to fit the engine and gearbox to the lower chassis before doing this, but I decided that I would add the engine and gearbox later



The completed basic chassis, if there was such a thing as basic. I rebuilt the shock absorbers using real metal springs from Mr Model. You can also see the metal strut towers from the Hobby Design Detail Up Set

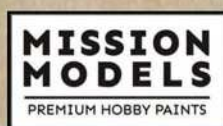
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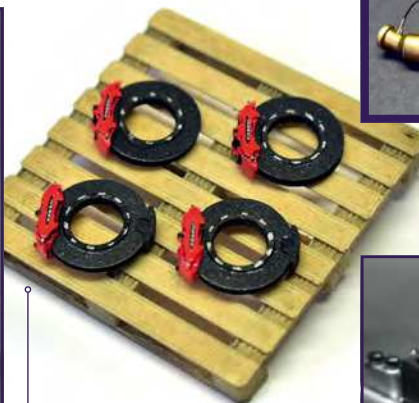


FULL-BUILD: HYPERCAR

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA • KIT NO.05599



The engine added to the chassis along with the exhausts. This was an awkward fit, with the exhausts being tricky to get in the correct placement



The Hobby Design brake upgrade really is a work of art. The disc surfaces were painted with carbon paint from Zero Paints, which does a superb job of replicating the real carbon discs



The left and right exhausts, were extensively reworked. These were again painted using Zero Paints Metallics, with the silencers, then masked painted Tamiya Clear Blue, then given a final coat of Alclad 2 Clear Violet



The finished rear chassis and engine area, a big milestone as it was the first completed area



The completed front chassis section. I decided early on that the Huayra would be a carbon-fest. This area was no different



I used Scale Motorsport carbon-fibre decal extensively here and throughout the model, like elsewhere this was clear coated using a 2K Clear Coat from Firescale Modeler

CHASSIS REAR

The next area to be worked on was the rear chassis section. One thing I noted early on was how brittle the plastic used by Aoshima was. The slightest tweak would cause a part to break which was infuriating to say the least, especially the parts that had been painted. On bringing all the rear chassis parts together I noticed that the mounting areas where the parts joined together might need some alterations, so to aid this process, I brought out the chassis plate and started the process of building the rear chassis sections. All the pieces were then assembled without any issue.

Part of the Hobby Design upgrade kit are photo-etch strut tower supports and

metal rivets which are a nice addition to the kit parts. I also got a set of metal springs from Mr Hobby which I then modified to fit the original kit suspension struts.

The exhaust in the kit is produced in a faux chrome which I never like, so this was stripped with the cheapest bleach I could find. It was then onto the exhaust mock-up, where I quickly realised the way Aoshima had developed the mounting for the exhaust silencers bore no resemblance to the actual car. As the Huayra would be displayed mainly in the open position, this just would not do! I therefore re-engineered my own mounting points which I think are much more realistic. The engine,

gearbox, chassis and suspension were then all built up to finish that area.

INTO THE CABIN

At this stage I needed a break from suspension duties, so it was onto the interior tub. It was in this area that I always like to add extra detail and work to. The full bottom half of the interior tub was the decal in Scale Motorsport carbon in various scales as in the real car. I then had to decide on the interior colour. I wanted to show off the car's interior in a colour which would be a nice contrast to the dark carbon of the interior.

With this in mind, I chose Zero Paints Ferrari Interior colour called Sabbia (sand). I probably went

a bit overboard with the carbon-fibre on the interior, carbon decalling areas that will never be seen like the roof, using 1:12, 1:20 and the 1:24 scale carbon. The gloss areas were clear coated using the 2K clear coat from Firescale Modeler.

I honestly think to be a scale modeller you need to have a tiny bit of insanity! Other areas that I carbon decal were the door cards, speaker pods, dashboard, steering wheel, etc. One of the major reasons I bought the Hobby Design upgrade kit was the milled metal parts which included the air vents, which are honestly night and day compared to the kit parts. These were fitted with ease, and I think really lift the interior.

Moving onto the front

suspension area, which thankfully was not as complicated as the rear suspension and again this was assembled and painted with Zero Paints Metallics. Within the frontal area there are numerous vent covers and shrouds and these were again carbon-fibre decalled and clear coated with the same 2K clear coat I've used throughout the build. In the reference photographs I had amassed – and trust me, there were a lot – I noticed that the washer bottle in the front was missing, so this was scratchbuilt attached and plumbed in.

BRAKE UPGRADES

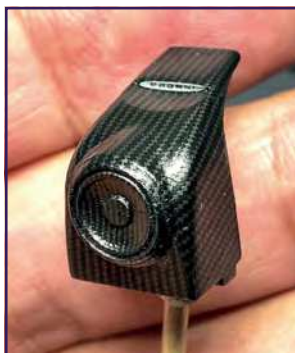
I then went on to concentrate on the brakes. The kit brakes were never going to be up to the task, so thankfully the Hobby Design upgrade kit comes multi-piece photo-etch and resin items which really are much more realistic. As on the brake discs on the real car, these were painted using Zero Paints Carbon Ceramic paint. I painted the brake callipers red and fitted the tiny brake bleed nipples from Top Studio.

Finally, it was onto the area that I had put off for a long, long time! It is my opinion and that of others that this kit was designed to be displayed open. I do not blame the Aoshima designers for designing it this way, however, I wanted to be able to display it open or closed. As I wanted to display it either way, I loosely dry-fitted the body panels. At this point I could have honestly put it back in the box again! The front and rear valances fitted as they should, but when I placed the front bonnet and rear engine cover on, well let's just say there were some big gaps! To overcome this, I added some styrene to the front and rear edges of the bonnet and sanded these back so they were a better fit, not perfect but better.

With the rear engine cover, this required more styrene to be added to the bottom of both sides where it meets the side sills, and at either corner just below the tail-lights. As I wanted to display it open or closed, I cut away the kit mounting points for the front and rear



The main tub of the interior. I was told a long time ago, by fellow Tamiya Model Magazine contributor Robert Riley, to treat every area of a model as an individual project. This of the Pagani's cabin area was no different

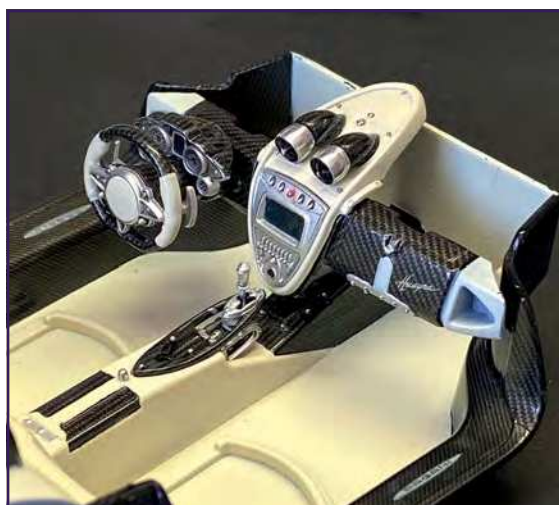


The central speaker, which again was carboned using 1:12 Twill Weave Carbon from Scale Motorsport. I used a Dspaie Circle cutter to cut the area for the speaker which I used 1:20 Twill Weave carbon. The rear speakers were also covered in carbon-fibre decals. With all the carbon in the car I attempted to closely replicate the rear vehicle as closely as possible



The main dashboard and steering wheel assembly. For such a small area this really was time consuming. You can also see the Hobby Design turned metal central air vents

The dashboard sitting in there at the time, you can again see the amount of carbon decalling that was done. The cockpit area is very nicely detailed straight out of the box



The colour I chose for the interior was Zero Paints leather interior colour Ferrari Sabbia, this is a nice contrast to all the carbon, and upcoming exterior colour



Another area that will probably never be seen, the seat backs. Again these were decalled using 1:12 Twill Weave Carbon from Scale Motorsport. The carbon was laid in opposite directions to copy the real car



The seat backs were again clear coated using 2K from Firescale Modeler, I also added some Top Studio rivet heads

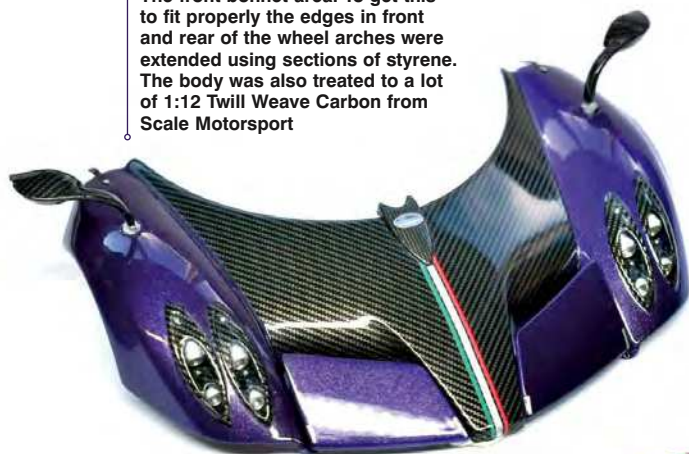
The seats fitted up. As you can see again I do like a bit of carbon-fibre! The Pagani side-sill logos came from the Hobby Design upgrade set



FULL-BUILD: HYPERCAR

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA • KIT NO.05599

The front bonnet area. To get this to fit properly the edges in front and rear of the wheel arches were extended using sections of styrene. The body was also treated to a lot of 1:12 Twill Weave Carbon from Scale Motorsport



The rear engine cover. Like the front this had to be extended on about every edge so the fit was better than it came from the standard kit



The front bumper. You can see the mesh from the Aoshima Upgrade kit for the Huayra



The body colour of Firescale Modeler Cadbury Purple was sprayed over a fine silver base-coat. It's a clear colour which needed to be built up in thin layers



Like the bonnet underside, the engine cover was decalced in carbon. This time it was clear-coated using Tamiya Semi-Gloss clear lacquer



Probably one of my favourite photos of the car, the rear bumper area. Here you can see the extra diffuser sections which come with the Pacchetto Tempesta kit



The side sills. As with the rest of the car was decalced in carbon-fibre

Another nice detailed part of the kit, the rear lights. These were eventually fitted with turned metal light surrounds from the Hobby Design kit



Probably the most intricate parts of the kit were the teardrop mirrors. I hand-painted the Italian flag on the edges



The upper cockpit section. This was carbon decalced not only on the outside but inside as well. You can see the upper part of the dashboard, which is moulded into it

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FULL-BUILD: HYPERCAR

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA • KIT NO.05599



The full mesh upgrade that comes as part of the Aoshima Upgrade kit. I chose to use these rather than the mesh from the Hobby Design kit as it was a better fit

covers. I then made my own hinges which included small neodymium magnets, to hold it all together.

At last, it was onto the paint. During the build I must have gone through three to four different colour choices, where I eventually settled on Firescale Modeler's Cadbury Purple, this was laid over Zero Paints Fine Silver. I didn't want to have this as a light purple, so I laid three or four coats to darken the shade.

Once this was complete, I laid down the carbon in a bookmark pattern throughout the car and also added the Italian flag stripes going from front to rear. All the body panels were then clear coated using Firescale Modeler's 2K Clear Coat to give a glossy and hard-wearing finish. I knew from the start that the undersides of the bonnet and engine covers would be visible, so these were carbon fibered also. These areas were then given a semi-gloss coat of Tamiya LP-24.



Hobby Design's 1:24 'Pagani Huayra Detail-Up' PE, resin, metal part' set (HD02-0388) provides some useful upgrade parts

Mini Review...

TAMIYA MODELER'S KNIFE PRO BLADE
www.hobbyco.net

Tamiya have created three new blade types to fit the excellent Modeler's Knife Pro: Narrow Chisel X5 (74159), Scraper X2 (74161) and Scriber X5 (74160). All are made by Olfa in Japan for Tamiya and are thus manufactured to extremely high standards.





FINAL TOUCHES

As the build was at last reaching its conclusion, it was time to do the finishing touches. The Hobby Design kit as I mentioned earlier, comes with numerous milled metal parts, including the round light bezels for the front and rear lights. The kit light lenses fitted into these parts like a treat, as did the light bezels when fitted into the bonnet and rear lights.

I hardly ever use the kit grilles on any of my builds, so these were put back in the box. I then painted the Hobby Design grilles and fitted them to the car, which again really adds another touch of realism to the build. In the past I have had mixed results with Aoshima kit glass, however this time I was pleasantly surprised! The fitment and painting of the glass area

was very straightforward with no issues. It was then onto the last part which was the wheels. These were first painted silver which I didn't like so then painted them black which I think really suits the car better. I added Hobby Design tyre valves which were tricky to fit!

CONCLUSION

This is the part where I would normally recommend a kit, but unless you do not value your sanity, leave this one well alone! I struggled, fought and loved this build in equal measure. Maybe I am doing this kit a disservice but if you have patience and time – a lot of time – a very nice, well-detailed model can be built. So really, hats off to Aoshima for attempting and creating a model of this awesome car. ●



FULL-BUILD: HYPERCAR

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA ● KIT NO.05599



“I decided early on that I would be using the excellent Scale Motorsport carbon decals...”

TECHSPEC...

AOSHIMA 1:24 PAGANI HUAYRA PACCHETTO TEMPESTA KIT NO.05599

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

- Zero Paints: Carbon Ceramic Grey ZP-1319, Ferrari Sabbia (Creme) Leather Colour ZP-1007, Gold Metallic ZP-1312, Extra Fine Metallic Silver ZP-4010
- Tamiya Lacquer Paints: LP-24 Semi-Gloss Clear
- Firescale Modeler: Cadbury Purple Pearl (FSC097)

Accessories used:

- Scale Motorsport: 1:12, 1:20 Twill Weave Carbon
- Masterclub: resin bolts
- Hobby Design: 1:24 Pagani Huayra Detail-Up PE, resin, metal parts, metal logo (HD02-0388)

Availability:

- Aoshima: www.hiroboy.com
- Scale Motorsport: www.scalemotorsport.com
- Hobby Design: www.hiroboy.com
- Zero Paints: www.hiroboy.com
- Firescale Modeler: www.firescalemodeler.pt
- Tamiya Lacquer Paints:
- Tamiya paints 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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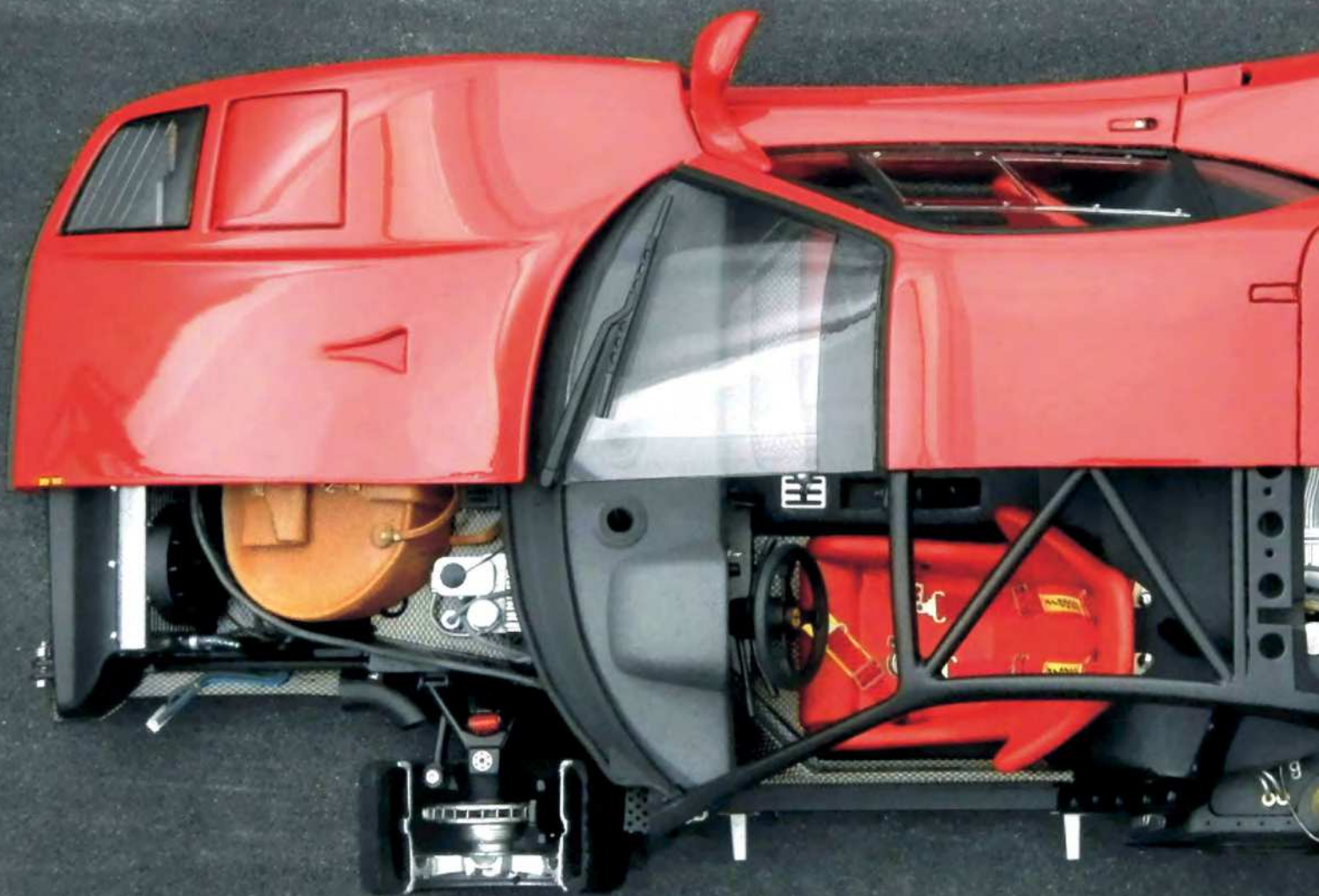


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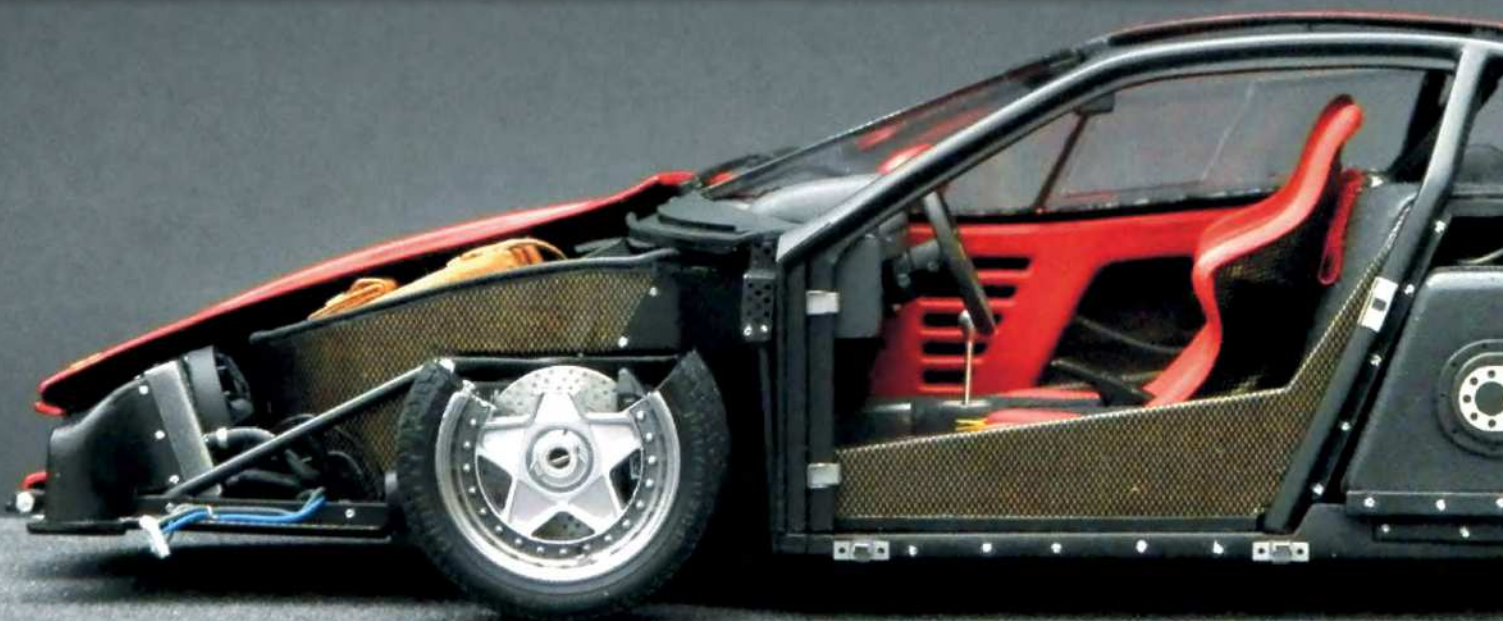
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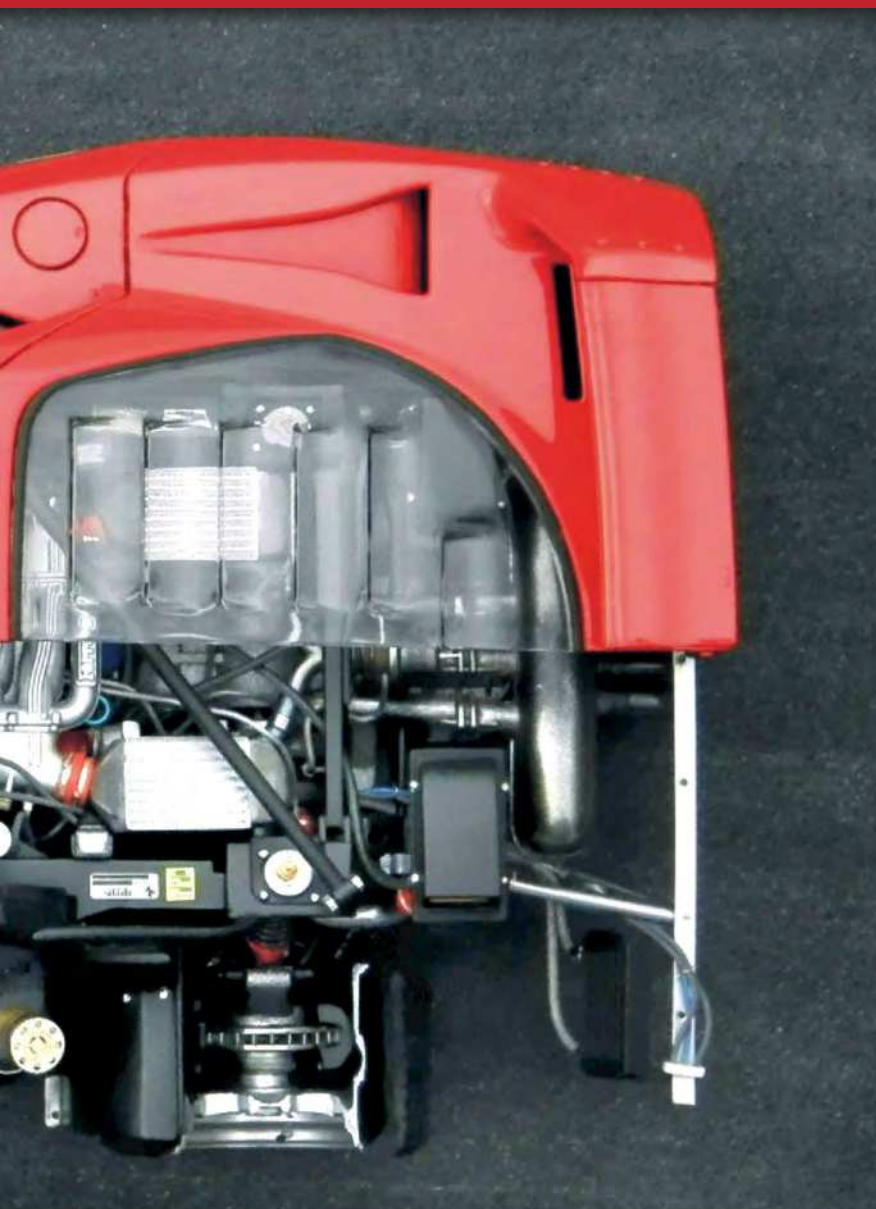
FULL-BUILD: MODEL CAR CONVERSION
TAMIYA 1:24 FERRARI F40 ● KIT NO.24077



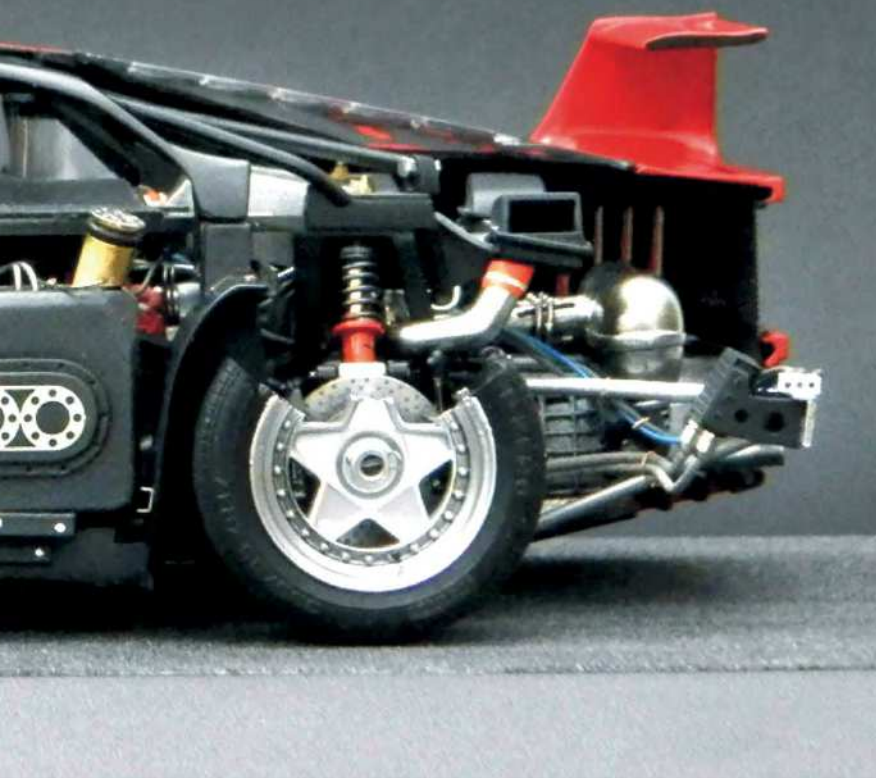
FORENSIC FERRARI

Alessandro
by cutting away





Prini creates an extraordinary display model
by the bodywork of Tamiya's 1:24 Ferrari F40



FULL-BUILD: MODEL CAR CONVERSION

TAMIYA 1:24 FERRARI F40 ● KIT NO.24077



The F40 'cutaway' is a project conceived over fifteen years ago. It was to be part of a collection that included a whole series of famous Ferrari GTs cut in half. The idea was born while starting work on a kit of the Enzo by Tamiya. The contents of the box and the technological configuration of the car (made up of a carbon cell with front and rear appendages) made me think that under the plastic of the bodywork there was actually everything, or at least all that was fundamental, to obtaining an original model: on the one hand, showing the car in its entirety and, on the other, bringing out the structure and mechanics underneath. And this without touching anything, without opening or closing front or rear bonnets. That finished model of the Enzo 'Cutaway' won several modelling competitions and Alberto Balestrini (BBR Models) wanted to photograph it to create his 1:18 model.

Later work on the subsequent Testarossa and F50 was more laborious and required meticulous design as there was no ready and finished 'airframe'. You have to consider that once you have cut a bodywork in half and cut the other components of the kit in half, it is not easy to keep everything else together and to be able to consolidate the material until you have a solid 'finished model'.

With the first three examples (Enzo, Testarossa and F50) built, I started to think about the same concept applied to the F40. Unfortunately, commitments and the vicissitudes of life

did not allow me to start it at the time, but after fifteen years I managed to put into practice what I had thought and a few months ago I completed the model.

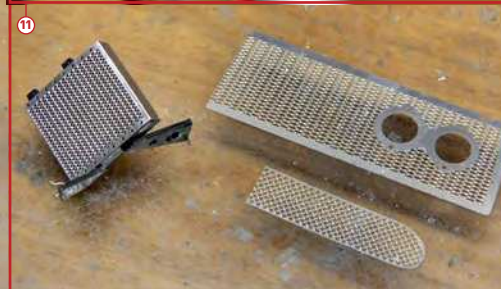
Luckily I still had the original Ferrari manuals in the cupboard and started studying them again. So I got the Tamiya 1:24 kit back and needed to find 'at least' one noteworthy detail set, even just for the brakes. Luckily a Spanish friend sold me a rare detail set from Hobby Design. I then started working...

BODY

On the bodywork I carefully drew and engraved the centre section line to achieve that important "cut-off" line between the right-hand side: intact bodywork and the left-hand side: structure and mechanics underneath (1, 2, 3). I also removed the front and rear bonnets. I had to integrate the missing portions of the cabin with plastic card (styrene) and brass wire. The roof was opened and, again with plastic card, I reinforced the perimeter profiles as per the drawings I had available (4). As I progressed with the work, I removed material and components that were not needed and rebuilt everything necessary to obtain a credible "content". The "shell" on the left side was becoming unrecognisable but the technology and mechanics of the F40 were taking shape.

The bodywork components, already cut in half, were assembled (front part of the model and rear bonnet) and made it solid with





card reinforcements and brass rods: this was done to obtain the maximum possible rigidity and to avoid torsion during the final assembly. The chassis, originally incomplete, was integrated with the tubular section rod and the missing profiles, especially the tail section with an inverted 'L' (5, 6, 7). The pair of small, rear-lateral oil coolers received their plastic card mounts and were adapted to be fixed to the chassis. Along the cutting line, the

thickness of the plastic was reduced to the minimum possible with the use of files and sandpaper. Some details of the plastic bodywork shapes were improved or modified: the horizontal joint running along the side was accentuated and made angular with a small steel chisel. The front grille was also cut in half (8).



Here's how the car looked during the cutting process (9). At the rear, the mesh was cut into two pieces and the rear lights installed (10, 11, 12). The half-body was painted and the 'struts' for the left-hand side were finished in black (13, 14). The rear window glass, at its base, has a triangular shape that actually belongs to the bodywork part, so it has been cut out and the missing triangle restored to the bodywork (15).

All the gaps between the door and bonnet

panels were accentuated with a chisel to avoid unpleasant fillings from the various paint runs. The transparent parts (windscreen and rear window), after being cut in half, were thinned at the cutting point to the minimum possible thickness in order to restore the naturalness of a 1:24 scale glass. After working with files and abrasive paper of different grades of coarseness (up to 8,000-grit), they were finely polished to remove any kind of scratch. ▶



FULL-BUILD: MODEL CAR CONVERSION

TAMIYA 1:24 FERRARI F40 ● KIT NO.24077



WHEELS..

Cutting the wheel rims and tyres was a most delicate operation. Any mistake or mishap would have been irreparable; tyres cannot be grouted and reconstructing a wheel rim detail ruined by the blade is almost unthinkable. The tyre removal operation required a great deal of patience

and the use of increasingly delicate tools, until polishing (the tyre, without a clean cut, hardly ever becomes smooth again). The rims were painted two-tone: polished aluminium for the outer rim and satin-finished aluminium for the inner spokes. A safety cotter pin was inserted in the single metal nut **(16 to 19)**



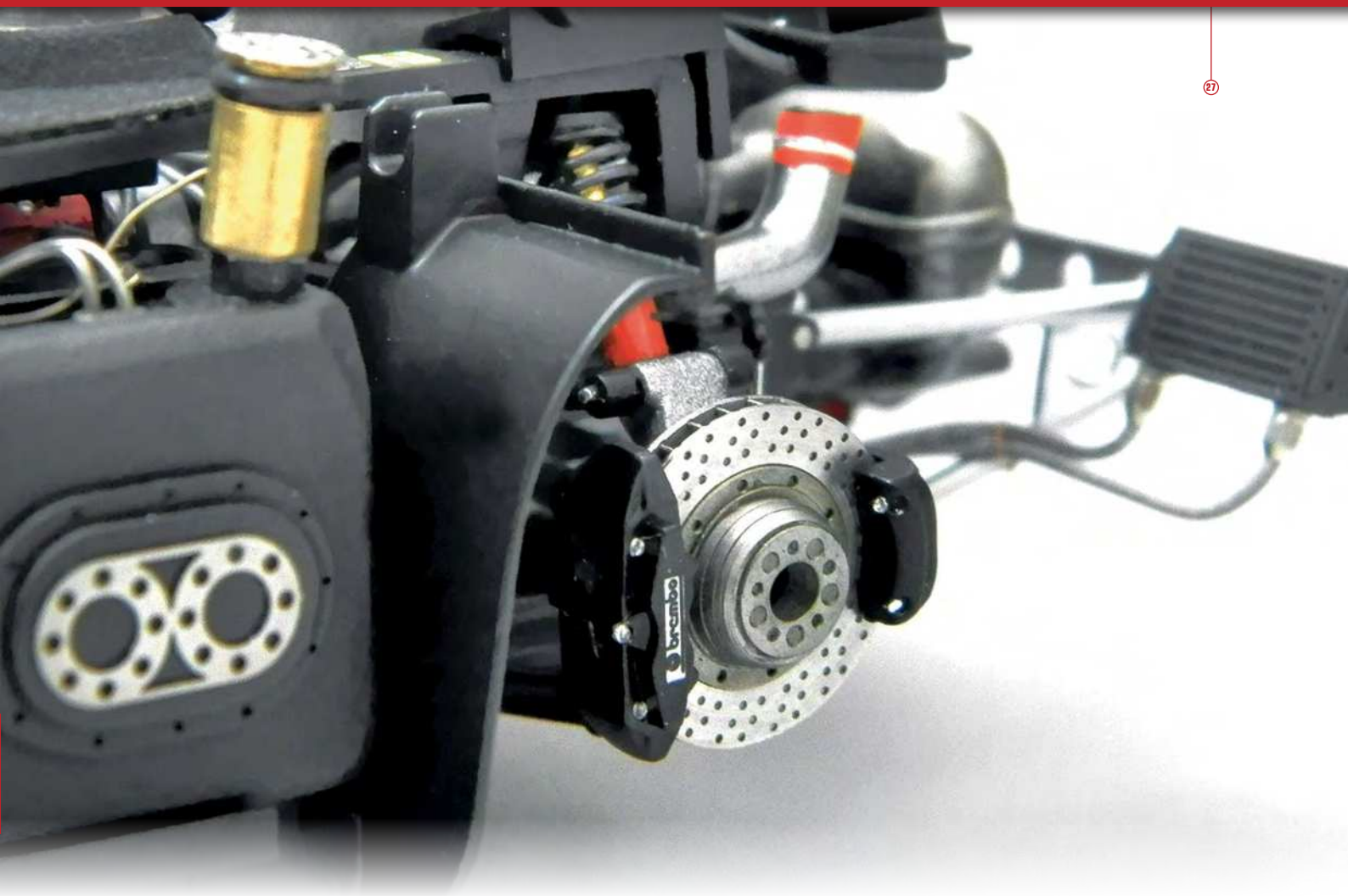
...AND BRAKES

The beautiful components from Hobby Design were modified in order to obtain a credible and good-looking artefact. The disc hub was rebuilt with conically turned washers and the depth of the callipers was increased so that they could fit the disc perfectly **(20 to 27)**. Not to be missed at the end is the hydraulic oil pipe system.

The compartment under the front bonnet was empty, but fortunately the central compartment (used to house a spare wheel or travel bag) was hinted at. The travel bag consists of a plastic card frame covered with a special, very thin leather. Finally, the entire compartment under the bonnet was lined with Kevlar decal **(28, 29, 30)**.

The radiator was fitted with two cooling fans, partly derived from the conversion set, partly constructed from plastic card. From this existing template I built the frame that supports the radiator and the front bonnet hinges with the small cranked air intake that aids brake cooling. The containers for liquids (water, brake oil, etc.), such as the passenger compartment air intake and the brake assist system, have been built using reclaimed metal, resin or plastic components. The tie rods and triangles were improved and the suspension rebuilt with real springs **(31 to 35)**. ▶





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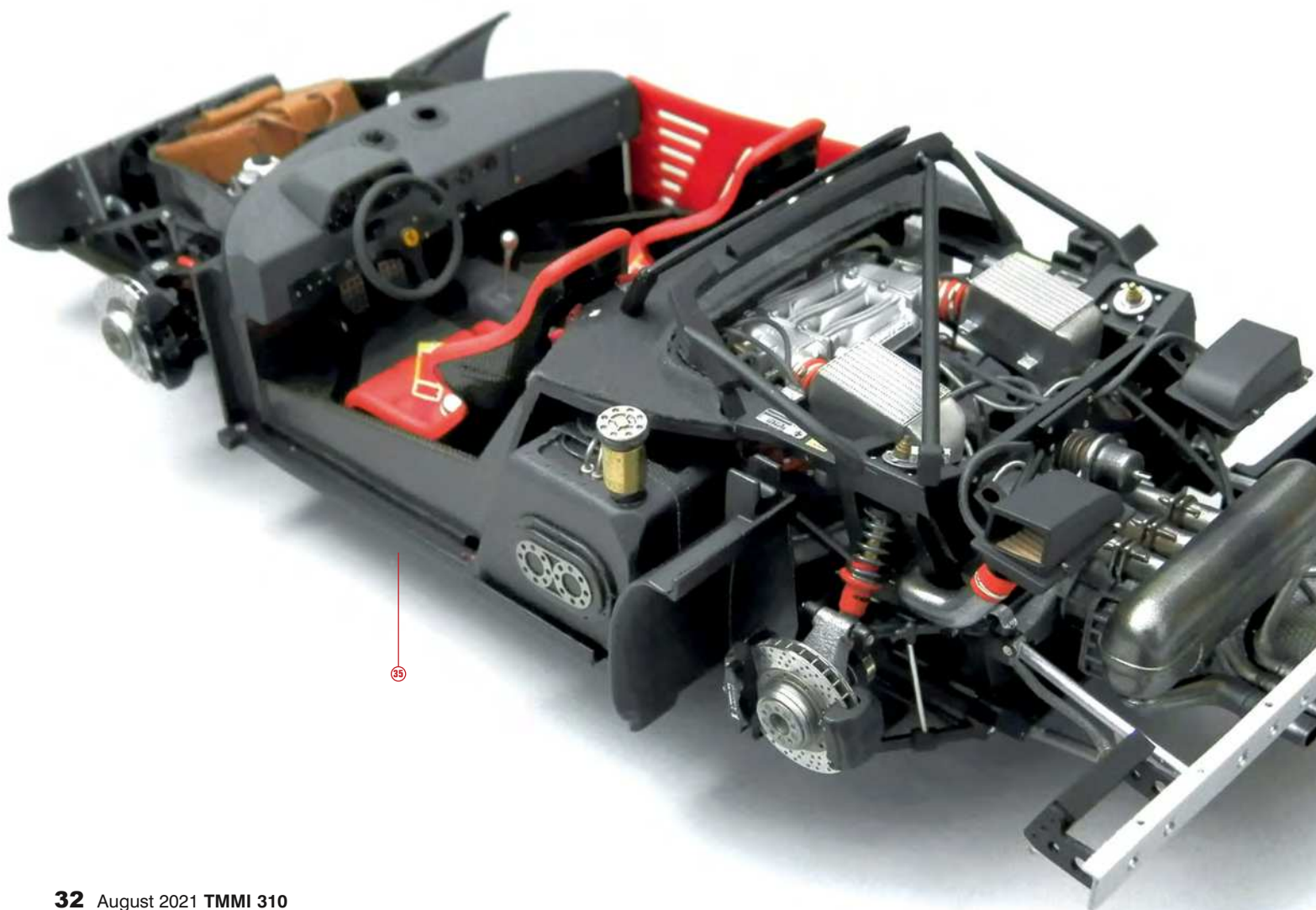
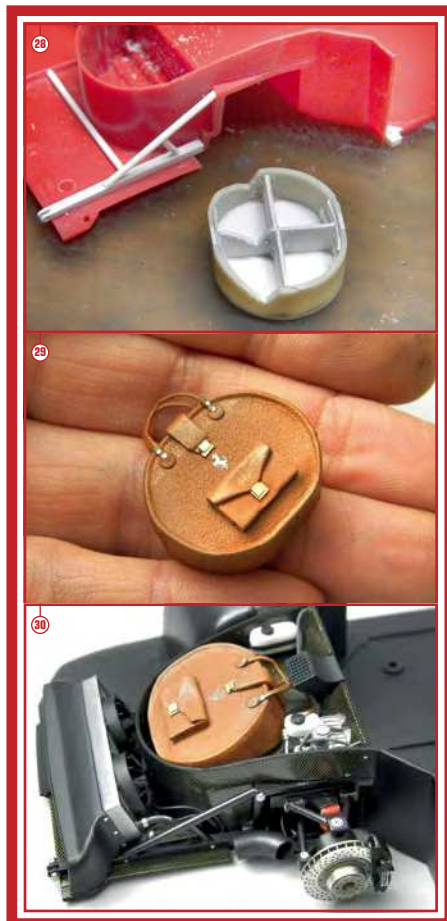
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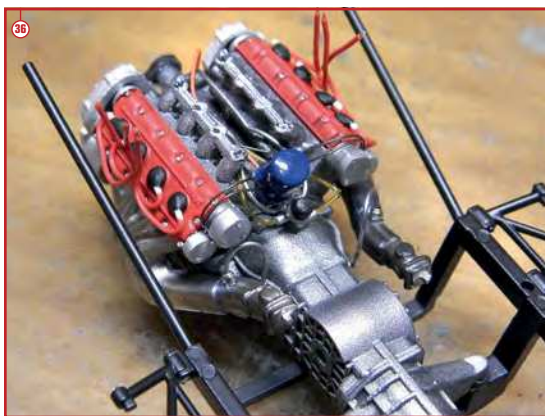


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FULL-BUILD: MODEL CAR CONVERSION
TAMIYA 1:24 FERRARI F40 ● KIT NO.24077

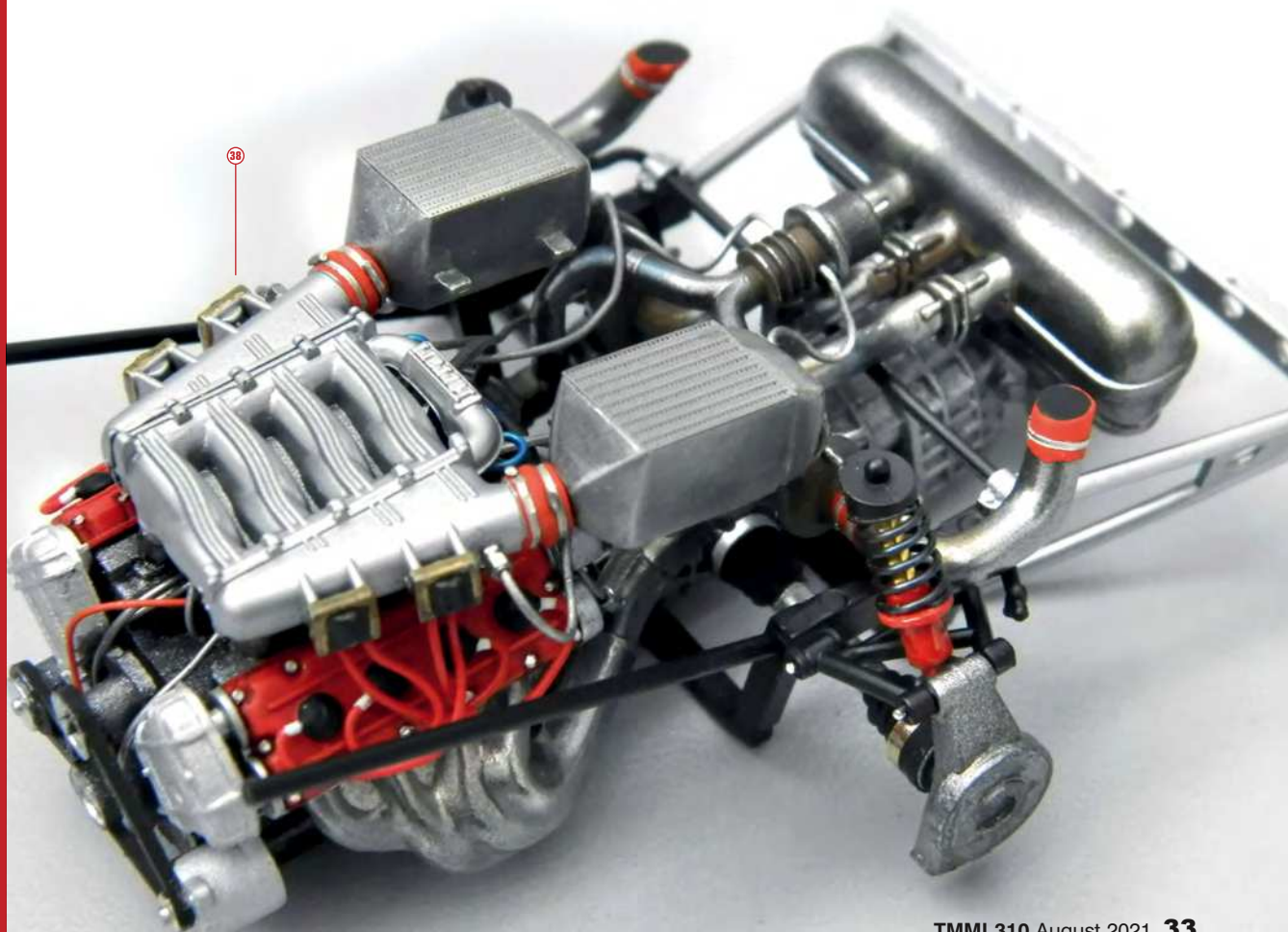




ENGINE AND EXHAUST

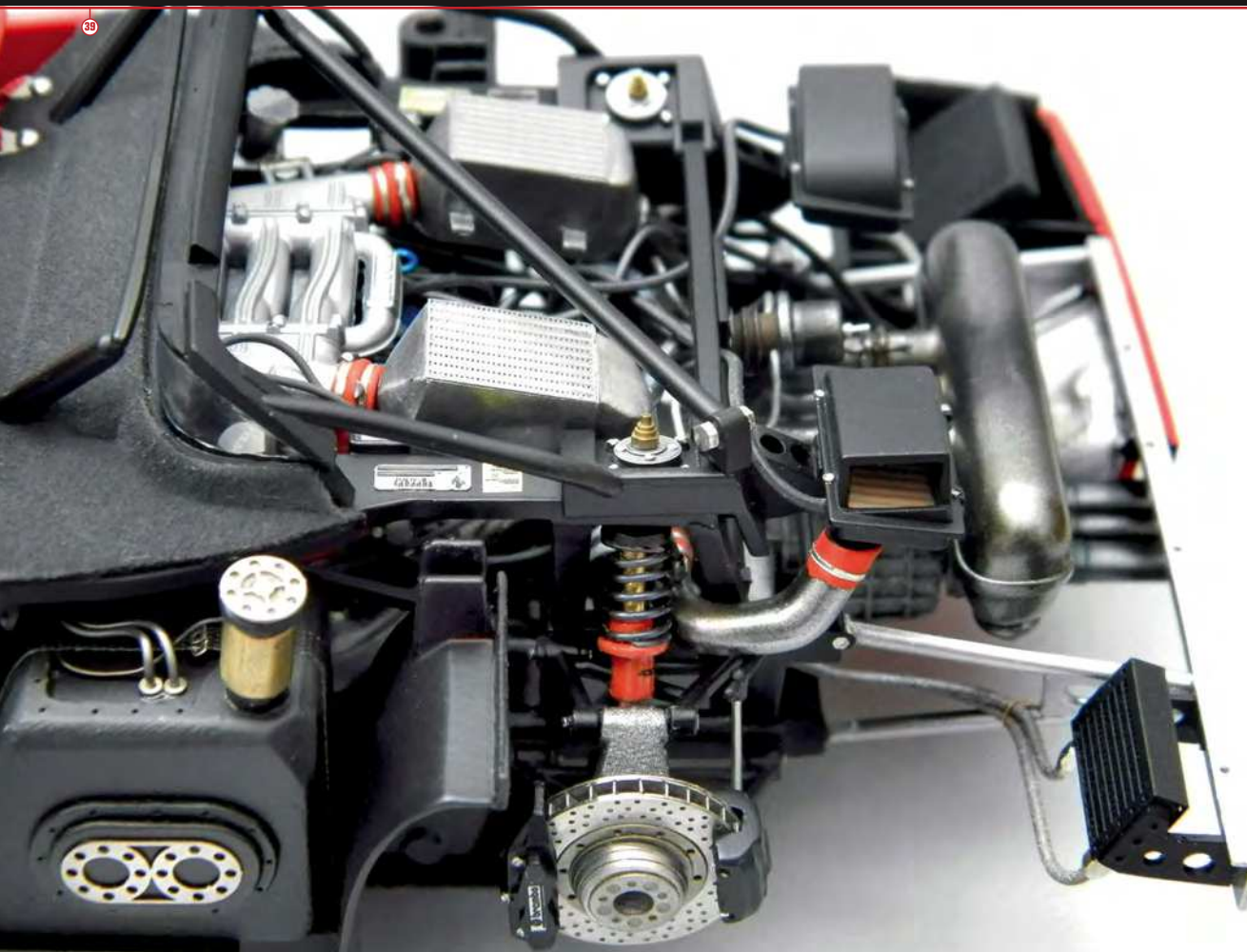
The engine was slightly improved in detail by adding the necessary ducting, wiring and missing systems (36 to 40).

The exhaust manifolds (plus the two intercoolers) were cast in white metal in an attempt to create a natural appearance without being painted (41). The exhaust tailpipes were cut out and replaced with oval-section copper tubing to restore a natural appearance and thickness (42, 43). The left fuel tank was built in plastic card and then modelled and fitted with the necessary components (all salvaged). ▶



FULL-BUILD: MODEL CAR CONVERSION

TAMIYA 1:24 FERRARI F40 ● KIT NO.24077

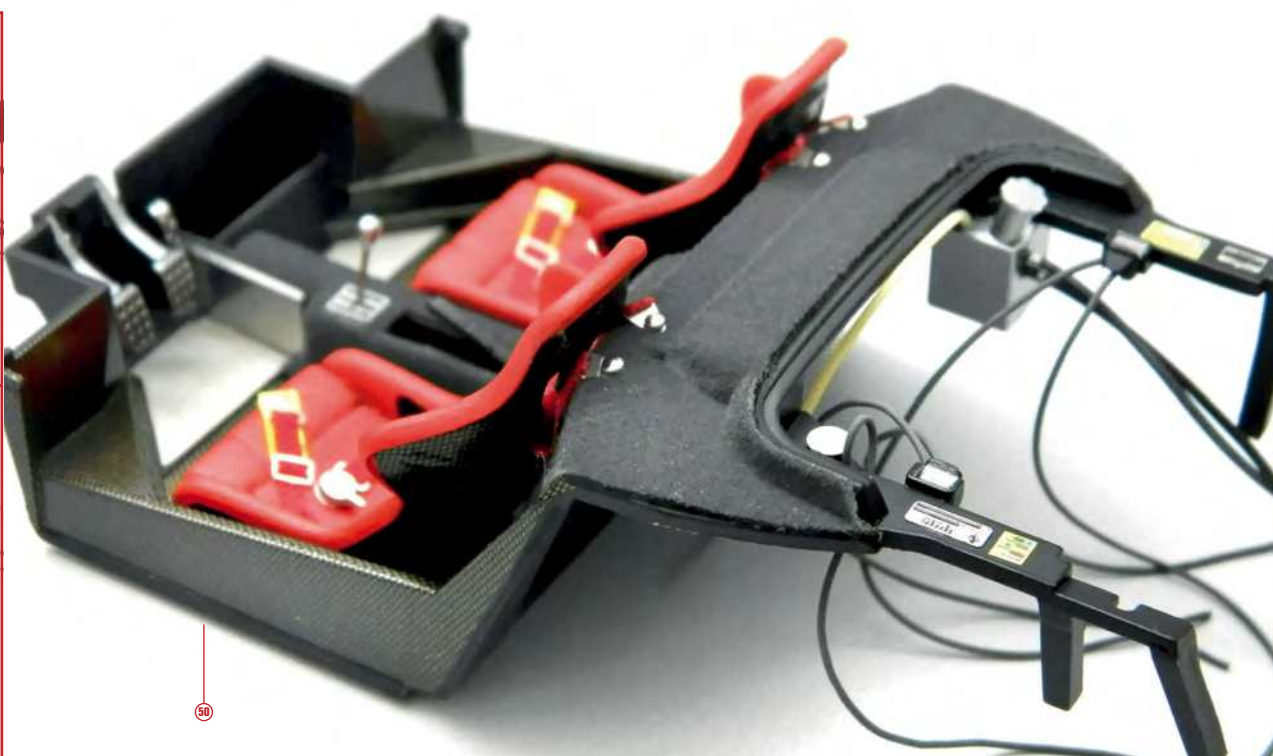


COCKPIT

The cockpit remained mostly original. The surfaces were covered with the most appropriate materials: fine velvet for the rear panel and central tunnel; Kevlar decal for the floor and seat backs. Special care was taken with the dashboard: all the air vents were opened up and prepared to accommodate circular adjustable fins, while the instruments have a polished surface like glass. The surface of the dashboard was painted with thick enamel and sprayed from a distance, so as to achieve a velvet-like surface (44, 45, 46).

The seat mouldings were given a texture to replicate Alcantara (47) and once painted, fitted with five-point harnesses (48 to 50). The seat belts are anchored to the rear panel and sides of the seats while the gear lever is derived from a special haute-couture pin with a silver head. The small photo-etched components are partly from the Hobby Design set and partly salvaged. ●





FULL-BUILD: MODEL CAR CONVERSION

TAMIYA 1:24 FERRARI F40 ● KIT NO.24077

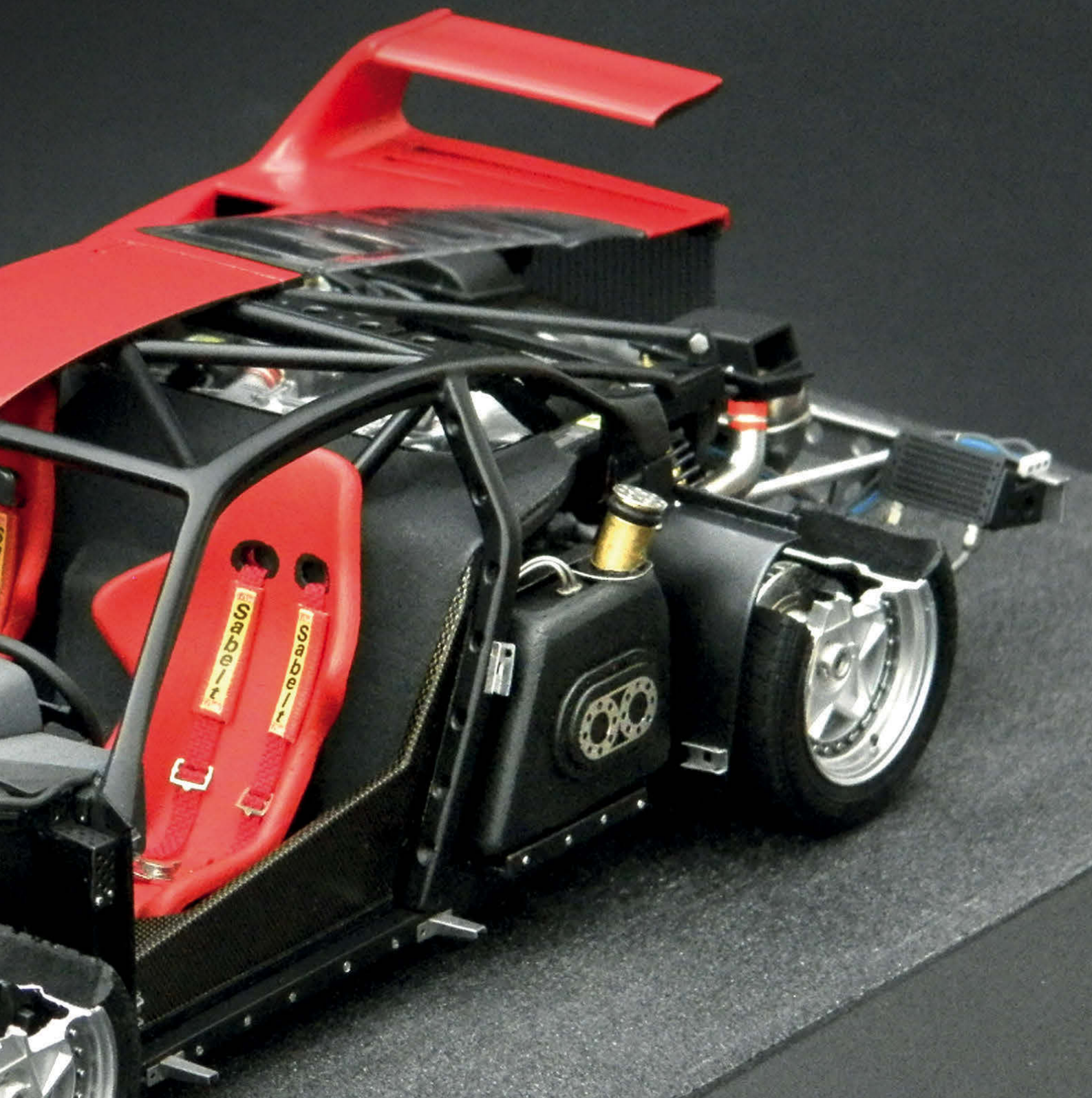
VARIOUS:

Many small components were added: connectors, wiring, supports and more. All made from photo-etched and turned material accumulated over the years, which is invaluable in this particular case. At the end of the handling and before the painting process, every component – from the smallest to the largest – of bodywork or mechanics, was washed with detergent (washing-up liquid is very good) and sprayed with a special transparent primer for plastic. This product promotes the bond between the plastic and the paint material and prevents unpleasant cracks or detachment over time.

Without sanding, I started with several coats of grey acrylic primer, allowing each coat to dry perfectly

and always checking the details with fine sandpaper (2,000-grit) between coats. Once everything was perfectly smooth and dry, I painted using gloss nitrocellulose enamels and, with several increasingly diluted coats, I arrive at the end with a model already shiny and perfectly smooth. The bodywork finish of this model, like many others, is natural, without the use of a clear-coat. Just a few checks with car wax and a microfibre cloth. Some of the mechanical components received a bit of transparent matt acrylic paint and the frame was painted with black matt nitrocellulose enamel. ●





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FULL-BUILD: MODEL CAR CONVERSION

TAMIYA 1:24 FERRARI F40 ● KIT NO.24077

TECHSPEC...

TAMIYA 1:24 FERRARI F40 KIT NO.24077

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

- Talcen: Primer For Plastic, Primer Matt Grey, Transparent Matt
- Lechler: Ferrari Gloss Red, Matt Black
- Duplicolor: Gloss Aluminium
- Humbrol Enamel: Semi-Gloss Black No.85, Matt Black No.33, Metal Cote No.27003, Gloss Red No.19,
- Tamiya Acrylics: X-27 Clear Red, X-26 Clear Orange

Accessories used:

Hobby Design: www.hiroboy.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



www.creativemodels.co.uk

Model by Wayne Hui

Model by Jeremy Moore

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EDUARD, CZECH REPUBLIC

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

Eduard's own 1:48 F-6D Mustang kit is treated to a delicious little up-detail set this month, in the form of a camera bay, complete with three exquisitely cast photo-recon cameras, bulkheads, ancillaries plus an assortment of the most delicate-looking cabling we've ever seen (see right). Fun will be had when removing the latter from their casting block...

Lots more from Eduard next month.

1:72 BRASSIN

- R-27ER/AA-10 Alamo-C (672258)
- Brimstone w/AGL III rack (672260)

1:48 BRASSIN

- F-6D cameras (648599) for Eduard
- AGM-62 Walleye I ER/ERDL (648615)
- AGM-84D Harpoon (648619)

1:32 BRASSIN

- SC50 German WWII bombs (632170)



Accessories

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

BRENGUN, CZECH REPUBLIC

www.brengun.cz

With the addition of the Marine Corps's ISR/Weapon Mission Kit, the KC-130J will be able to serve as an overwatch aircraft and can deliver ground support fire in the form of Hellfire or Griffin missiles, precision-guided bombs and eventually 30mm cannon fire in a later upgrade. This capability, designated as "Harvest HAWK" (Hercules Airborne Weapons Kit), can be used in scenarios where precision is not a requisite, such as area denial. (History via Wikipedia). Brengun have replicated this interesting weapons package in 1:48 for use on Italeri's vast kit of the C-130J Hercules, itself requiring a conversion to the KC-130J variant. Fantastic detail as always.

Also new is a delightful little 1:144 kit of the Japanese Tachikawa-Kokusai Ta-Gō, a cheap and easily-constructed Kamikaze aircraft of which only three examples were built. The kit is tiny, as can be seen from the photos, but it still packed with detail.

Finally, and also in 1:144, comes a fantastic resin model of a WW1 British Mark IV Male tank, which comes with decals for British and captured 'beute' machines.

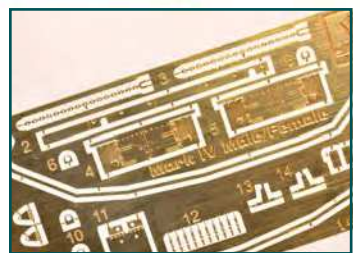
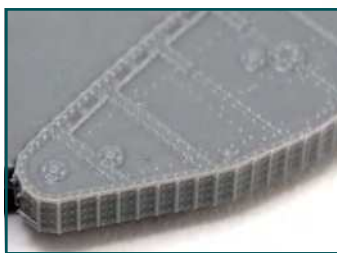
1:48

- KC-130J Harvest Hawk (BRL48150)

1:144

- Kokusai Ta-Gō (BRS144053)

- Mark IV Male British WW1 tank (BRS144056)



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MATERIALS: IM, WS

ITEM NO. SH32047

Possibly one of the prettiest looking twin engine aircraft of the second world war, the very popular Westland Whirlwind F Mk.I has finally landed in 1:32. This model was announced a while back and modellers around the globe waiting patiently for this highly anticipated kit to be released, and here it is. Special Hobby have well and truly delivered with this gem of a model. Surface detail on this model is as fine and as sharp as seen on any model ever released. Very clean tooling done by Special Hobby sees very precisely moulded cannon barrels and landing gear legs with near no mould lines at all. The clear sprue is simple, yet beautifully done, with crystal clear canopy sections, with the front canopy having the fuselage moulded with it to allow a seamless looking front canopy. The modeller is provided with the option to make four different versions of this aircraft, two with the traditional early war green and brown, and two with the grey and green camouflage. The decals look nothing but perfect and being printed by Cartograf I wouldn't expect anything less. *IJT*



The only kit of this subject at this scale with amazing details!



Details get soft towards the edge of the mould. Not a beginner's kit



MiG-21PF

eduard



EDUARD, CZECH REPUBLIC MiG-21PF WEEKEND EDITION

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

SCALE: 1:72

MATERIALS: IM, WS

ITEM NO. 7455

Eduard have been releasing the family of Mig-21 kits for a few years now and it does not look like they are going to be slowing down anytime soon. Often referred to as the best MiG-21 kit on the market, this kit does not disappoint. This is a small model but packs a punch when it comes to details, the surface is littered with crisp panel lines and recessed rivets with complementary raised details that really make this model pop. It is arguable that this little 1:72 kit is more detailed than the larger 1:48 offering. The modeller provided with a full weapons sprue so that they can have a choice of load-outs for their model. Being a weekend edition kit, this is a more simplified version of ProfiPACK which would contain Photo-etch, mask set and multiple marking options, this model however only offers two different marking options and does not include masks or PE. The two options provided to the modeller are great, one of the options is a natural metal finish aircraft in Czechoslovakia markings, and the other is a four tone camouflage aircraft from the Soviet Union. Regardless of which option the modeller picks, they will have a superb looking model when it is completed. *IJT*



Sublime details for a small-scale kit and great moulding.



None



Kit Reviews

OR EPS; EXTRUDED PLASTIC SECTION, F; FABRIC, IM; INJECTION MOULDED (PLASTIC), ITL; INDIVIDUAL
NM; NYLON MESH, PB; PAINT BRUSH, PCM; PRE-CUT MASKS, PE; PHOTO ETCH, PEBM; PHOTO-ETCHED
WD; WATERSLIDE (DECALS), WS; WOODEN STRIP



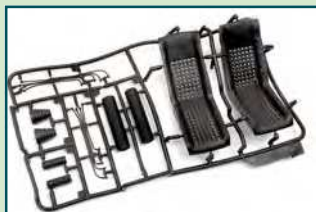
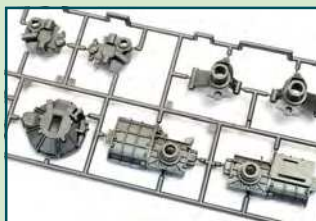
MENG, CHINA FORD GT40 MK.II '66

www.meng-model.com

SCALE: 1:12 • MATERIALS: IM, WS.. • ITEM NO.RS-002

The Ford GT40 racing car has made a comeback on the movie screen with the recently released film 'Ford v Ferrari', which dramatises the true story behind one of the most famous car races of all time, the 1966 24 Hours of Le Mans. Modellers were very excited when they heard about Meng releasing this kit in 1:12 and of course the likely comparisons with the other 1:12 GT40 made by Trumpeter. The Meng kit comes in a large box with the artwork showing the car Ken Miles drove in the race and you get a colour sixty-one page booklet that breaks down the build into fifty steps. Inside the box we have seventeen sprues in different colours and thirteen larger body parts, clear parts as well as springs, screws, pins and metal rods. Vinyl and a screwdriver are also included. The seats, brake ducts and engine piping are made from a soft vinyl. There are two decal sheets that are printed by Meng and seem to have good register and a nice glossy finish. They include options for either the 1st (black No.2 car) or 2nd (blue No.1 car) from the 1966 Le Mans race. The other sheet provides tyre and dashboard decals. Pre-cut window masks are included, as well as fabric for the seat belts and a small photo-etch sheet. Meng has done a wonderful job in representing this in large scale, and like their Kawasaki Ninja H2R bike, let's hope they continue to bring out kits in these impressive scales. **JW**

- Suspension is workable, with the front wheels steerable and connected to the steering wheel
- At over, £200, quite expensive



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BRENGUN 1/144 -accessories

BRL144162 Mirage Ladder

BRENGUN 1/144 -construction kits

BR5144050 BTR-60 PU

BRENGUN 1/72 -resin construction kits

BR572017 SO-1221 Qjinn

BRENGUN 1/72 -accessories

BRL72208 Arado Ar-396 (RS model kit)

BRL72209 Morane-Saulnier MS.225 (Heller/Smer kit)

BRL72210 He-115 (Revell kit)

BRL72211 A-4C conversion (Airfix kit)

BRL72212 Rato rockets (A-4 Skyhawk)

BRL72213 Mirage Ladder

BRL72214 P-47N Wheels (3 type of pattern)

BRENGUN 1/48 -accessories

BRL48133 AIM-9X (2pcs)

BRL48134 MKXVII Depth Charge

BRL48135 F/A-18 Wheels

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BRL32040 AGM-45 Shrike



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BRENGUN, CZECH REPUBLIC HENSCHEL HS126A1 SUPERPAVA

www.brengun.cz

SCALE: 1:72 • MATERIALS: IM, PE, WS • ITEM NO. BRP72044

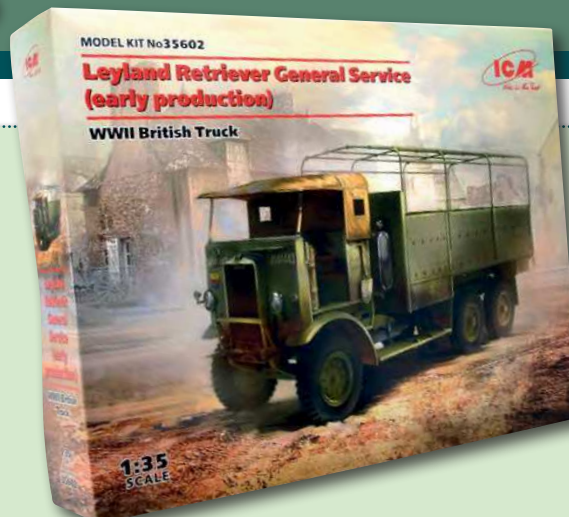
The Henschel Hs126 was a World War II German two-seat reconnaissance and observation aircraft of that was appreciated for its excellent short

takeoff and low-speed flight characteristics. Powered by an 838bhp Bramo 323 nine-cylinder radial engine and was armed with a single, forward-firing 7.92mm MG17 machine gun plus a 7.92mm MG15 machine gun in the observer/gunner's cockpit.

It was superseded by the Fieseler Fi156 Storch and the Focke-Wulf Fw189. Brengun's 1:72 release is a new-tooled kit for 2021 and comes on four sprues of injection-moulded grey polystyrene, one sprue of clear for the two canopy parts, a small fret of photo-etched brass and a sheet of decals.

The markings options offer four aircraft, all from 1938 during the Spanish Civil War, in two camouflage variants. It's a remarkably well detailed little kit, with a five-part radial engine, well appointed cockpit and observer station and excellent airframe exterior. They key to success here is achieving perfect alignment in getting things straight up top. The kit comes with a single bomb (150kg?) and again, the detail here is well done. The production style of this model is short-run, so a little test-fitting will be advantageous, but a gorgeous miniature of this early-war spotter can result, with careful work. **TMMI**

-  Charismatic subject with excellent detail
-  Patience and test-fitting essential



ICM, UKRAINE

LEYLAND RETRIEVER GENERAL SERVICE (EARLY PROD.)

www.icm.ua

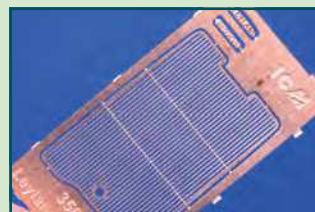
SCALE: 1:35 • MATERIALS: IM, PE, WS • ITEM NO. 35602

The Leyland Retriever was a WW2 British 6x4 truck, produced between 1939 and 1945 by Leyland Motors for British Army service. It was equipped with a six-litre, four-cylinder, overhead-camshaft petrol engine that powered the two four axles. ICM released the later variant in 2021 (35600) and now we have the earlier version which differed

in a few areas, most notably the cabover-style cabin, which was equipped with a glazed windscreen and taller side/rear panels on the later design. ICM, as with MiniArt, is somewhat of a wizard with truck kits, offering highly detailed, multi-part productions that replicate all the major structures of their subject. In this case, we have an element-by-element chassis, finely moulded leaf springs (sensibly, moulded integrally with the chassis rails for proper alignment), a comprehensively detail engine and full drivetrain. If you have the references, you can add the brake lines for the full effect, but out of the box it will all look pretty spectacular.

The tyres are moulded from semi-rigid black plastic and sport early-pattern treads. They look very good and barely need a weighted appearance as can be observed in wartime photos: perhaps just slice off a small amount from their contact areas to replicate the slightest of amount of sagging. The cargo bed is beautifully moulded and the panels of its construction are free from the dreaded ejector-pin marks that can mar these types of model kit structures. The photo-etched radiator grille is the icing on the cake. **TMMI**

-  A lovely-looking kit of this British WW2 icon with retrained, scale-like detail on all surfaces
-  Some will not like the vinyl tyres, but they are actually very good



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PARLES-TU FRANÇAIS?

After having released the AMD 178 Panhard, ICM has now turned its attention to the FCM 36. French tank enthusiasts like **Marc Génaux** appreciate this move!

The FCM 36 light tank is a rarity from the Battle of France in 1940, of which only a hundred were engaged in combat. With the benefit of hindsight, orders cancelled due to the purchase price of the machine being too high were a boon to the French soldiers.

However, if its users generally appreciated the tank's mechanical qualities, in combat it was a complete fiasco against the Panzers. Unable to stop them, they nonetheless offered during two actions of sacrifice on May 14th and June 8th 1940, a day of respite to battered troops, on the verge of defeat, which made it possible to temporarily reconstitute a coherent front line. The FCM 36 had been designed to accompany infantry and had been sent to confront armoured vehicles. We offered the crews a one-way ticket to hell.

A QUICK BUILD? OR NOT...

For the assembly, a weekend will suffice, but if you decide, like me, to make a few changes, it will take a little longer. The hull is made up of mechanically welded panels (and not riveted as on other French tanks of the

time) is very easy to assemble, without any worry about squareness. We can just add some weld lines on the lower parts, less well understood than on the high parts. The running gear is pretty basic.

To facilitate painting, avoid gluing the dual road wheels to their supports (C28-C29 and C38-C39). To improve their appearance, the drive sprockets were fitted with photo-etched screw heads. On the track tensioners I changed the big bolts because they didn't have the right profile. The welds of the tow hooks were redone in stretched sprue. I added a few wing nuts, which keep the small access hatches visible on the armoured undercarriage guards closed (A5-A12).

The top of the hull sports some nice welds, but a few are missing; stretched sprue was used here too. There are still a few bolts to add, this time mainly on the axes of the various hatches. These are hexagonal socket-head bolts, the kind of item you can't make yourself! Luckily, I had kept strips of bolts moulded in the sprues of the Saint Chamond kit. The other bolts also come from Bronco kits or accessories. The tools brackets are quite convincing, but on the other hand, it forces the modeller to present the tank with all its equipment intact, which is far from the case on the archival photos, often taken after the battle. ▶



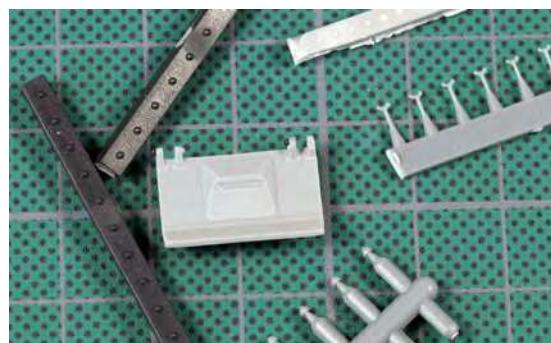
The chains offered in the kit are made of injected plastic with two types of alternating links: open and closed. The modeller must assemble two sections of twenty links



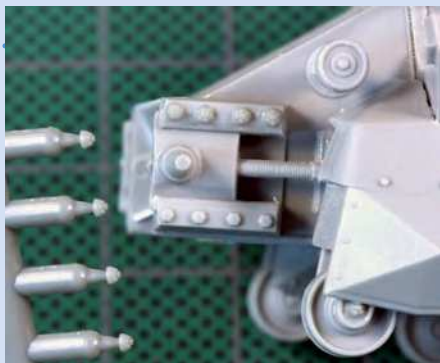
The road wheels are grouped in pairs on the bogies. If only the upper part of the supports is glued, their mobility is preserved, which is always helps at the painting stage. The bolts securing the axles have not been changed at this stage



The turret interior is limited to the barrel breech and the parallel-mounted machine gun. This is not enough to justify the turret hatch being left open



The ends of the axes of the various hatches need to be reviewed. Usually there is a rounded shape on one side and a hexagonal-head bolt on the other. The black-cast conical bolts of the St Chamond Takom tank that I had kept have found their use



The large bolts in the track tensioning system were replaced by others offered as accessories by Bronco. The bottom row has not been altered to show the difference in shape



Wing nuts keep the small hatches closed at the bottom of the undercarriage shield. A 0.4mm hole was drilled to introduce the throttle axle. The road wheel clamp bolts have been changed. They are more realistic than the original moulded ones



The weld lines, clearly visible on the silencers, were redone in stretched sprue. On this tank, the exits face outwards. Pay attention to your reference tank, as they can just as easily be aimed inward



On the side ventilation grilles, over-thick vertical reinforcements were eliminated, the slots have been deepened with a 0.2mm Tamiya engraving point and the reinforcements reconstructed with a thin bead of epoxy carved with the tip of a toothpick. Ready-made 3D printed grids are now available from FC Model Trend (35838)



ICM offers alternative parts for the hatches depending on the chosen configuration (open or closed)



All screw-heads were replaced with Aber photo-etched parts. The lubrication points were redone in brass tubing, those in the kit having neither the correct orientation nor the correct thickness, due to moulding constraints



The handle part of the locking bolts were reworked by sanding a plastic rod to modulate the volume. An Aber chain and a loop were added at each end. The whole thing is quite fragile and will not be glued until the end



Most of the tools in the on-board package are grouped together on the right side. The straps were extended with aluminium strips. Forgotten welds on the body were added



The brackets under the mufflers are completely rebuilt in an L-angle with bolts punched out. A piece shaped photo-etched scrap replaces the only support visible on the engine deck



The cockpit access hatch piston was embellished with bolts and brass rods to enhance its realism. The headlight support was redone and a thin strip of plastic added to fill a space on the front glaze



The original tarpaulin was reworked and the retaining straps extended with aluminium tape. A stud was added in the centre of the big spanner



The overly thick jack support should be sharpened with a round file. The separation between the body and the rear fender was accentuated with a 0.15mm Tamiya engraving point



On the FCM kept at the Musée des Blindés in Saumur, there are some panels located at the rear of the lower pontoon. I reconstructed this missing part with plastic card

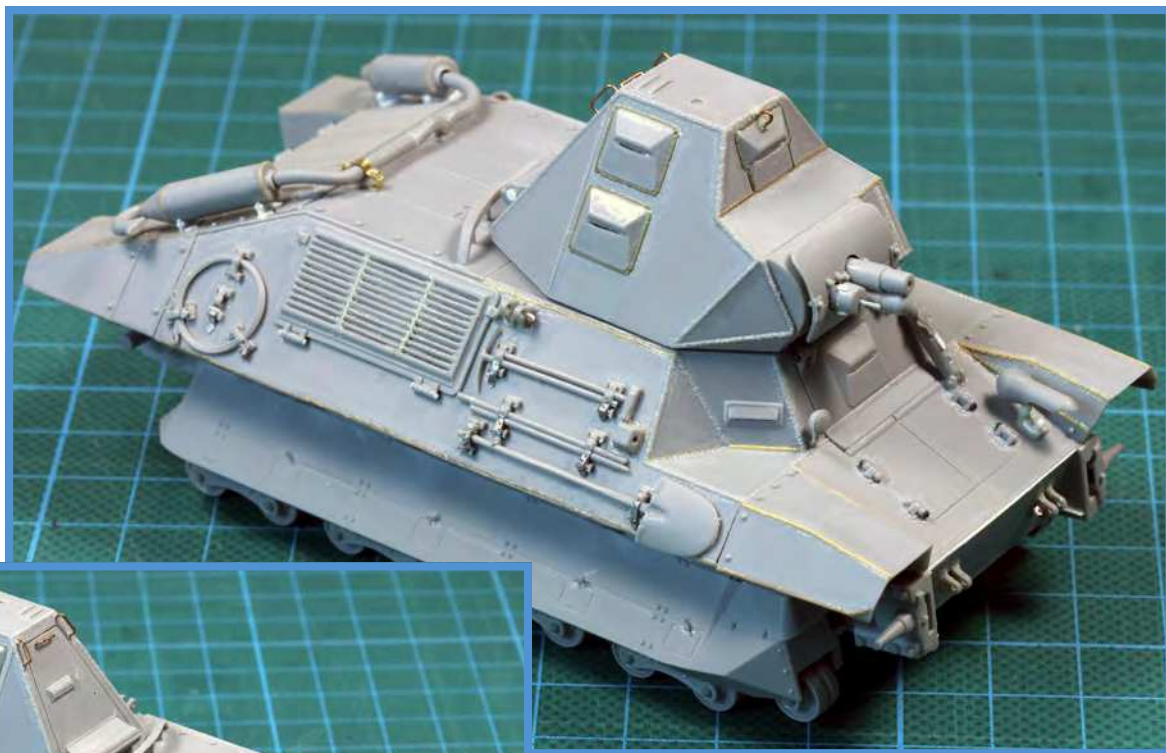


ICM offers a rail that only covers the right side behind the turret. This configuration can be seen on many machines, this rail having to be quite fragile and easily damaged. Originally this rail covers the entire width of the tank. The author reconstructed the missing part by butchering the proposed duplicate ICM half-rail and rebuilt its reinforcement from scratch, oddly unrelated to the tube-based system on the right part



The handles were redone in 0.5mm brass rod. The rear door axle was fitted with die-cut washers and the welds around the vision slots were redone in stretched sprue. The barrel shield was refined and a few bolts added to it on the rear face. The lifting ring was redone in brass

Overall views of the assembled kit completed before primer painting



Each track is made up of two flexible sections and the paint tends to flake off easily on this material. Replacing them with resin sections (available from Blitz or FC Model Trend) is an alternative

TOOLS CHAINS AND GRILLES

For this option, either you gently remove the tools, or you redo everything in plastic card. The way of attaching the exhaust is much too simplified. I preferred to redo it with plastic angle-iron, trimmed with a few die-cut bolts. The main air vent of the B13 engine is wrong. While waiting for a fix, I contented myself with putting a minimal point of glue to facilitate future replacement. The side grilles (C27) have the right number of ventilation slots, but the welded vertical posts for reinforcement are way too thick. I removed them with a Tamiya 0.2mm etching tool, which allowed the passage to easily increase the depth of the slots. Then I redid them with epoxy carved once set, with a wooden toothpick.

I mounted all the hatches closed, including the turret hatch whose interior is rather sketchy. The welds clearly visible on the turret

seeming to me this time a little too marked, I sanded them lightly then re-etched with a fine point after having softened the plastic with liquid glue. The cannon shield was refined and a few minor bolts added.

I considered replacing the plastic chains but after putting a few links together, more out of curiosity than out of real conviction, I changed my mind. It works pretty well but I only discovered the catch at the final moment. To properly hang the chains as shown in the vintage photos (and instructions), they must be folded in half and the end links engaged on hooks. However, there is not enough space to slip these two links together! Either the thickness of the links is too great, or the hooks are too close together, or a bit of both! You will see in the photos that I have been cunning to hide the problem, but not solve it.

COMPLEX CAMOUFLAGE COLOURS

In Track Story No.7 dedicated to FCM 36, we learn that there were three types of camouflage distributed without any logic, observed between the two tank battalions. No logic either between the companies, except at the level of the markings, and more! ICM offers us two machines each with a typical camouflage. Wishing to personalise my tank, I turned to the Blitz brand, a specialist in French equipment, who offer some very nice decals in their catalogue, in particular eight new registrations for the FCM 36. The possible registrations are all in the 30001 to 30100 series (by eliminating the 30064 and 30068 who did not fight).

I opted for the first in the series, the 30001 called 'Le Mistral' with four-tone camouflage in slightly wavy bands and some peculiarities in the markings. The yellow ochre was based on XF-60 Dark Yellow lightened with XF-57 Buff. Sea green was represented by XF-58 Olive Green, brown by a mixture of XF-10 Flat Brown, softened with XF-52 Flat Earth. ▶



The handles of the transmission hatches are moulded on the body, but frankly, they lack relief, hence this artisanal manufacture of soldered brass wire

FULL-BUILD: WORLD WAR TWO ALLIED ARMOUR

ICM 1:35 FCM 36 ● KIT NO.35336



The intricate camouflage was done by brush using Tamiya acrylics. The entire model was covered with X-35 Semi-Gloss Clear for protection before the weathering phase with oils and enamels

Initially, fairly contrasting soiling was carried out with effects-paints from the AK Interactive range



Finally, for the last shade of light green, XF-71 Cockpit Green is perfect. It does appear that the top of the turret is painted in a lighter shade intended to break its characteristic shape. The chosen mixture is based on XF-55 Deck Tan cut with XF-57 Buff. The painting was done with a brush, easier to apply than the airbrush on this small vehicle. The decals were 'trapped' between two coats of X-35 Semi-Gloss varnish.

Weathering consisted of a succession of AK Interactive enamel paints and Abteilung 502 oils. Black or brown Panel Liner Accent Color can be flowed into the slits of the hatches to give them depth. The most delicate phase is fixing the vinyl tracks after painting. The paint flaked in many places and after a tedious assembly, it was necessary to carry out a lot of re-touching. I chose to add a very greasy layer of pastels with fixer to avoid any further untimely flaking.

DIORAMA

The figures that accompany the model come from an ICM set released at the same time as the FCM 36 kit. I find them rather well done and they give a good perception of the diminutive size of the machine. To integrate them properly, I used an old resin set that had been sleeping in the dust for a long time. So that the FCM would not appear lost and hold the limelight, I wanted a more compact display. Using a cardboard template, I jigsawed a reduced shape with rounded edges, which would work better.

The painting of the cobblestones took a little time, but on the other hand, was disconcertingly simple. I prepared a palette with as many shades of grey as possible, going up to red-brown highlights. I started with XF-63 German Grey to which I mixed various shades like XF-83 Grey, XF-69 Black, XF-10 Brown or XF-57 Buff and I randomly covered all the roadway by varying the effects. In the end, I applied several very diluted grey filters to unify the whole. Once can also add a few touches of pastels in the joints and more colour-washes to blend all these colours as much as possible. I had a lot of fun with this nice little kit. I am impatiently awaiting the next France 1940 models in the ICM 2021 release program. ●

Abteilung 502 oils come into action. To obtain as varied a chromatic range as possible, numerous mixtures were carried out. The sill is heavily soiled. Several layers will be layered in different tones, ranging from ochre like here to lighter shades like Light Mud or Buff



TECHSPEC...

ICM 1:35 FCM36 KIT NO.35336

Materials:

Injection moulded polystyrene, waterslide decals

Paints used:

- Tamiya Acrylics: XF-10 Flat Brown, XF-52 Flat Earth, XF-55 Deck Tan, XF-57 Buff, XF-58 Olive Green, XF-63 German Grey, XF-69 NATO Black, XF-71 Cockpit Green, XF-83 Medium Sea Grey, X-35 Satin varnish
- Tamiya: Panel Line Accent Color Brown (87132)
- AMMO MIG: 039 Light Rust, 040 Medium Rust, 041 Dark Rust, 042 Old Rust, 043 Shadow Rust
- Abteilung 502 Oils: ABT003 Dust, ABT006 Burnt Umber, ABT015 Shadow Brown, ABT035 Buff, ABT050 Olive Green, ABT092 Ochre, ABT093 Earth, ABT125 Light Mud, ABT130 Dark Mud
- AK Interactive: OIF Streaking effects (123)

Accessories used:

ICM: French tank crew WW2 (35647)

References:

Track Story No.7 FCM 36 www.chars-francais.net

Availability:

- ICM models are widely available from good model shops and online. www.icm.com.ua
- Tamiya paints and materials are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net
- AMMO MIG: www.migjimenez.com
- AK Interactive: www.ak-interactive.com



Track Story No.7
FCM36' was used as
source of reference
for this project (www.chars-francais.net)

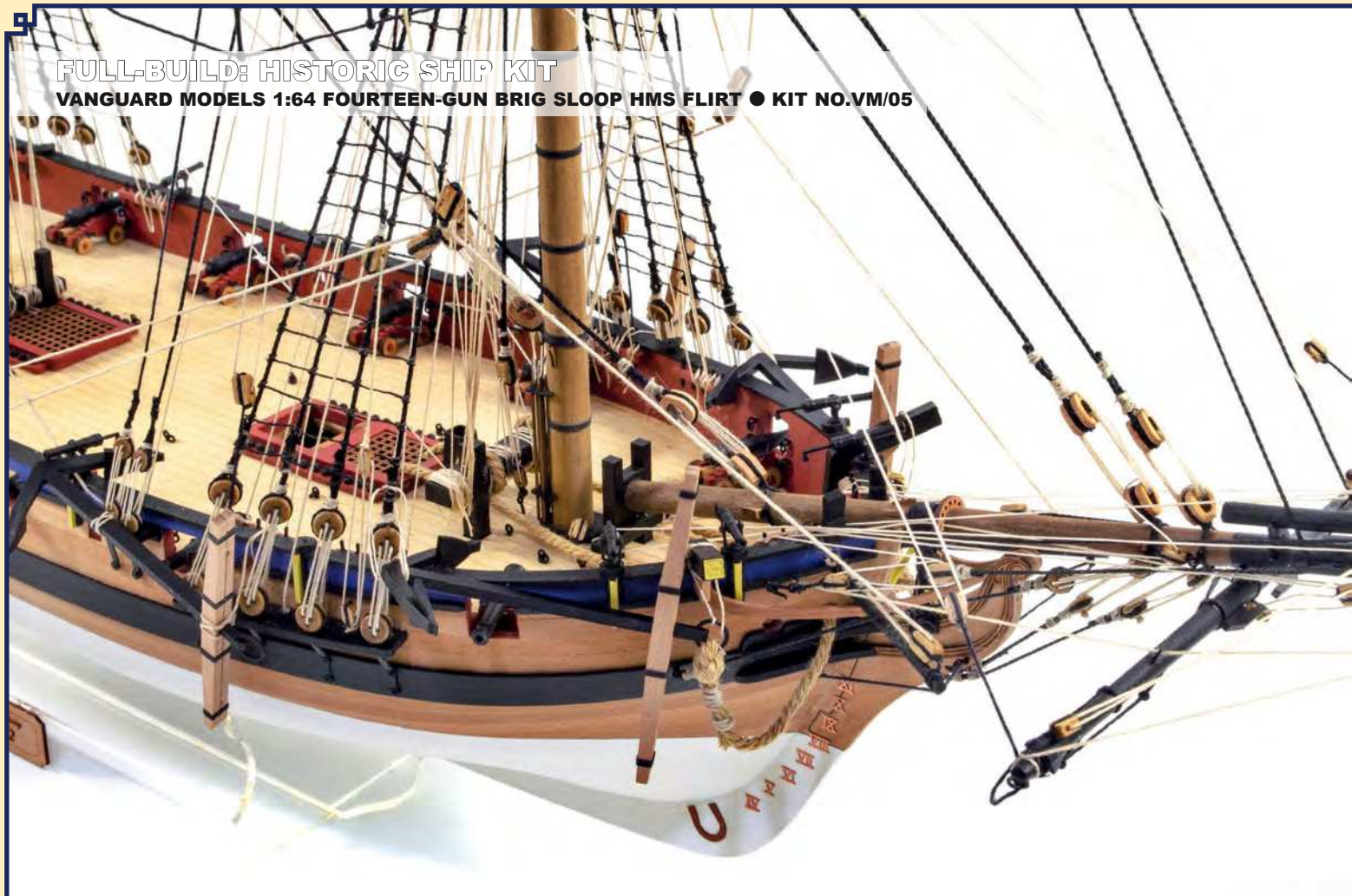


The French maker
'Blitz Model' which
specialises in national
equipment, offers a
sheet of decals for
eight FCM36s of the
4th BCC and 7th BCC,
the only two units
equipped with this
machine



"The FCM36 tanks of the 7th BCC were engaged in a mission of sacrifice on May 14th, 1940 by engaging Panzers that their shells hammered without being able to penetrate. Finally the Panzers withdrew while a good number of FCM36s remained permanently on the ground. 'Le Mistral', 7th BCC/1st Company/3rd Section of the Chief-Sergeant Jacquemin and 'Horel' were destroyed on May 14th 1940 on the road to Chemery in the Ardennes"





HMS Brig-Sloop Flirt, 1782

James Hatch builds the prototype for the new Vanguard Models 1:64 kit of HMS Flirt

Flirt was ordered in 1781 and built by Thomas King, a private shipyard owner based in Dover, with her being launched on 4th March 1782. The term 'Brig-Sloop' means that she was a two-masted vessel, and on the Navy List, sloop was a term given to a vessel which was commanded by an officer with the rank of master and commander. Flirt was 207 tons, the length of her upper deck was just over seventy-eight feet and her breadth was twenty-eight feet, eight inches. She had a crew of around eighty-four men and six officers, with only two of the officers being commissioned; the commander and his lieutenant.

Her armament consisted of fourteen four-Pounder carriage guns and twelve half-pounder swivel guns, but had posts for twenty guns, as the swivel guns could be taken out of their posts and moved and placed in another post. Flirt, along with her sister ship Speedy, were completed too late to see any significant service in the American War of Independence. She then spent most of the years of peace in British waters.

Flirt sailed to Jamaica in 1791, but was laid up in Deptford in November 1792, and did not return to service, being sold

in 1795. Daniel Bennett purchased her and had her almost rebuilt. She was then employed as a whaler in the Southern Whale Fishery. A French privateer captured her in 1803 as Flirt was returning to Britain from a whaling voyage.

This model was built from a converted HMS Speedy kit, working alongside Chris Watton for reference to the changes that needed to be implemented for HMS Flirt. Building Chris Watton's new HMS Flirt prototype took me around ten weeks during the recent furlough period due to coronavirus. That was with me working most days for at least four hours per day and sometimes much longer. I'm not a fast builder, but this should give you an indication as to the amount of time it will take to create a model like this.

I wouldn't recommend this model to an absolute beginner, unless they have good general modelling skills that they could tailor to such a build. It is certainly more of an intermediate-level project, and one with some of the very finest materials available, such as the pearwood external planking which looks great under a coat of polyurethane varnish. A most enjoyable model to build, and one that looks fantastic when completed. ▶





FULL-BUILD: HISTORIC SHIP KIT

VANGUARD MODELS 1:64 FOURTEEN-GUN BRIG SLOOP HMS FLIRT ● KIT NO.VM/05



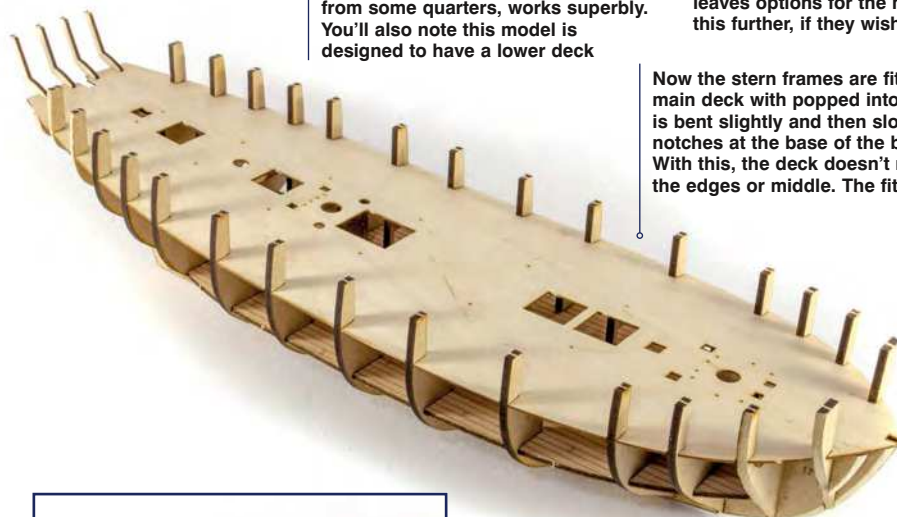
Those who know Chris Watton's designs will recognise his design approach here. The keel and bulkheads are 3mm MDF for this design, which despite reservations from some quarters, works superbly. You'll also note this model is designed to have a lower deck



My prototype kit was fitted with ceiba ply, pre-engraved with laser. This material wasn't found to be very good for laser use, and the final product will have these made from birch ply. The deck is installed in four sections, and leaves options for the modeller to detail this further, if they wish



Before the forward and stern-most bulkheads are fitted, they are first bevelled with a rotary tool set to a speed 5,000RPM. Of course, a mask should always be worn when sanding, but especially with MDF



Now the stern frames are fitted, the false main deck with popped into place. This is bent slightly and then slotted into the notches at the base of the bulkhead ears. With this, the deck doesn't need pinning at the edges or middle. The fit really is perfect!

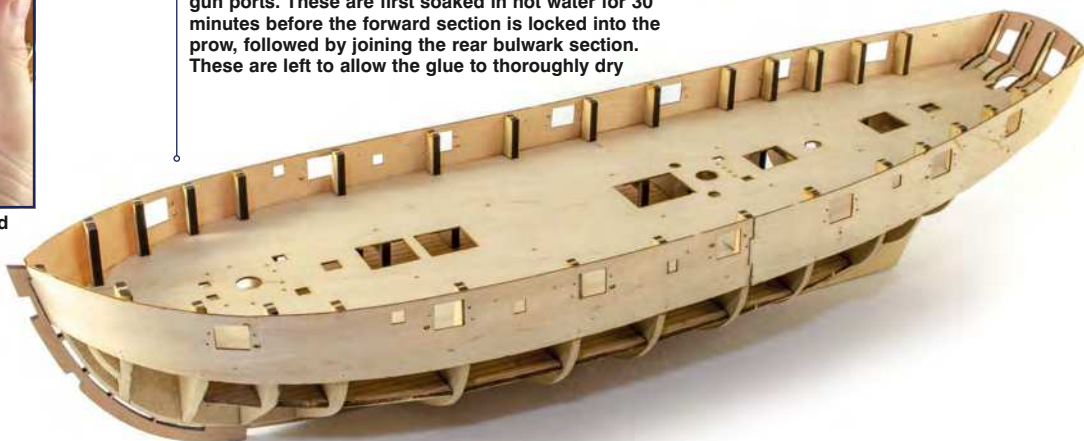


To protect the stern frames, the stern counter and stern board are now glued into place using CA gel to allow some time for positioning the parts. Temporarily fitting the keel post helps to align the stern counter

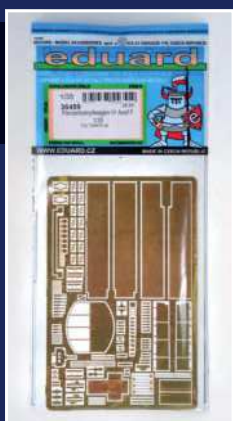


The inner prow is now test-fitted then glued into place on the bow. This has slots into which the first layer of lime planking will terminate. As this part will be seen under final varnish, it's made from a beautiful grade of pearwood, as with all the exterior timbering of this model

Thin plywood is used for the bulwarks, including pre-cut gun ports. These are first soaked in hot water for 30 minutes before the forward section is locked into the prow, followed by joining the rear bulwark section. These are left to allow the glue to thoroughly dry

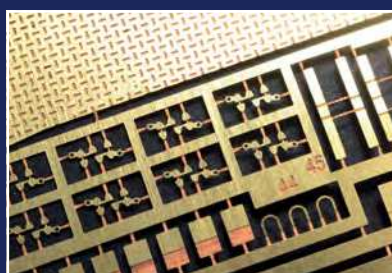
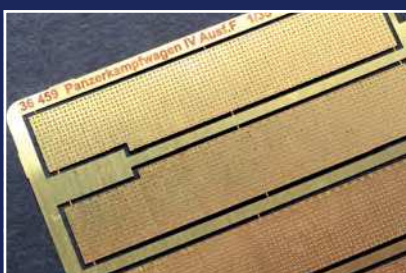


Mini Review...



EDUARD 1:35 PANZERKAMPFWAGEN IV AUSF.F (36459) FOR TAMIYA
www.creativemodels.co.uk www.eduard.com

Tamiya's superb and mostly new Pz.IV Ausf.F kit in 1:35 is treated to some very useful details in this recently-released photo-etched brass set from Czech maker, Eduard. On the sheet, which is concise rather than overwhelming, you will find fender-top anti-slip plates, turret bin lid, engine cooling flaps, tool brackets and other detail upgrades





Laser indent marks are used to locate the first pear plank on the bulwarks. From here, the hull is planked downwards, towards the keel, tapering and bevelling as we go. I use CA gel to fix these as it gives me seconds to finalise the position and also means I don't need to pin them



This is a very easy hull to plank, with just a few stealers to fill in gaps. As these are below the waterline, I'm not too bothered about that compromise



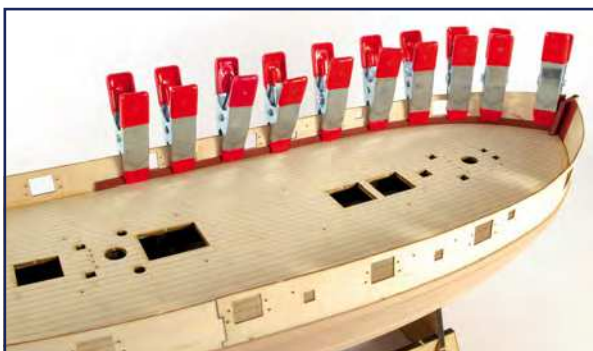
The remnants sanded down, so they are flush with the false deck. Any remains on the bulwarks are also removed and sanded smooth for planking



Before the proper deck can be laid down, the inner bow and stern areas of the ship are painted in red oxide paint



For my prototype, the standard lime deck was supplied. This is beautifully laser-engraved with plank and treenail detail. This is now glued into position with Titebond wood glue, and mini clamps fitted around the perimeter do hold it down



My pre-painted inner bulwark planks are now fitted. The problem with this being the gaps I couldn't avoid. These had to be filled and sanded back. Tape was then added to the deck to protect it from a subsequent repainting



The reason the upper, outer bulwarks were left un-planked was to allow the modeller to drill through the laser cut bulwark holes, to locate the cleats and ironwork for the cannon

With those holes drilled, the outer bulwarks are now finally planked and the whole exterior sanded smooth. The inner bulwarks are also now repainted in red oxide



A piece of medium grade sandpaper is now used to smooth the planks, followed by a 320-grade paper. A little wood filler was needed in places where the edges of the planks weren't sharp

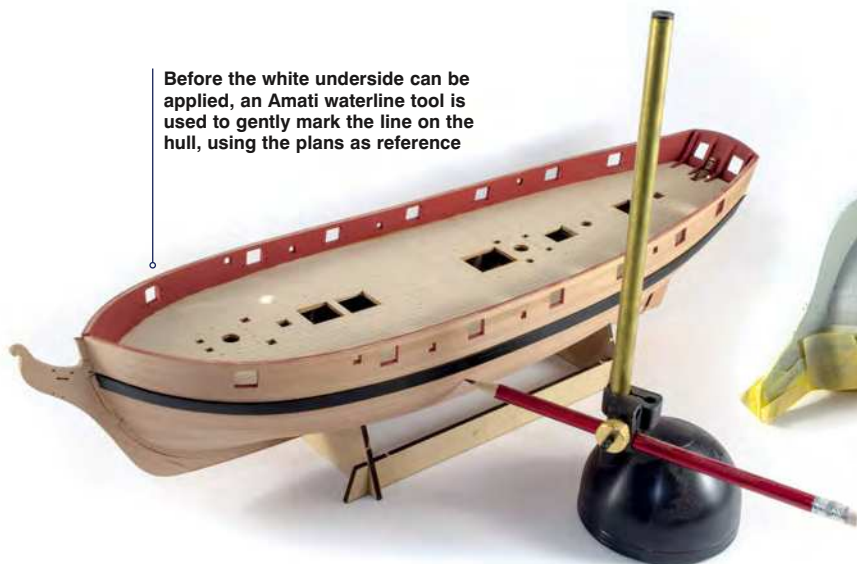
Masking tape was now applied to the whole model to prevent overspray and Plastikote Matt Black was sprayed over the wales in thin coats, building up the paint density gradually



FULL-BUILD: HISTORIC SHIP KIT

VANGUARD MODELS 1:64 FOURTEEN-GUN BRIG SLOOP HMS FLIRT ● KIT NO.VM/05

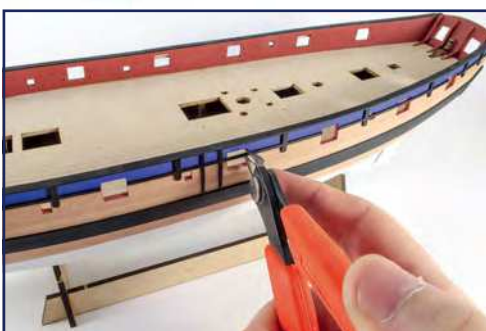
Before the white underside can be applied, an Amati waterline tool is used to gently mark the line on the hull, using the plans as reference



Plastikote Matt White is now applied. A few thin coats will initially highlight any areas that need filling. For me, thankfully, they were very few and far between. Ronseal acrylic wood filler was used and rubbed down with fine paper between coats



The hair brackets, cheeks and hawse hole panel are now fitted. The hawse holes themselves are gradually opened up carefully with gradually larger drill sizes. I used a piece of scrap wood behind the hole to prevent the bulwark timbers from splintering outwards



CA gel is now used to finally fit the various swivel port sections and then the sections which run across the gun ports are then snipped out and removed



As a nice contrast to the white hull are the depth markers, horseshoe plate and fish plate. These are painted with copper lacquer and sealed with varnish. The parts are then carefully glued to the hull and more varnish is brushed over them to seal them while work continues



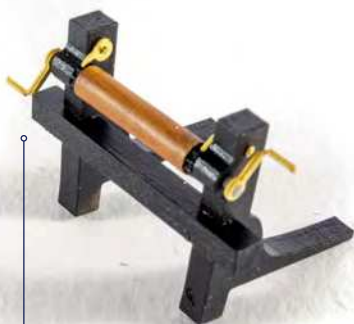
Despite its seeming complexity, the capstan is quite simple to build and fits together perfectly



All cannon carriage parts are removed from the pearwood sheets and carefully assembled. The completed units are then airbrushed in red oxide paint along with the newly assembled capstan

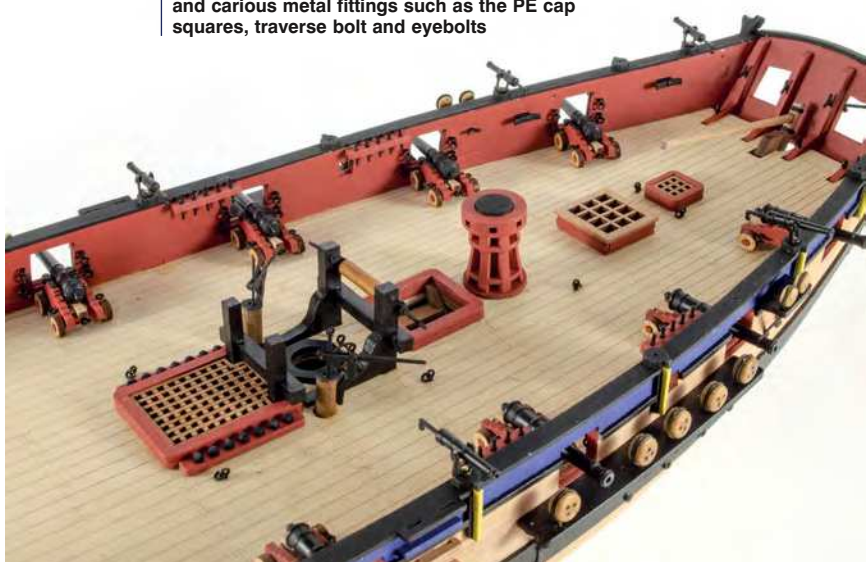


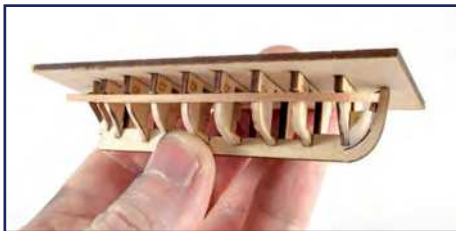
The cannon are now fitted out with the excellent black resin barrels, wooden wheels and quoins, and various metal fittings such as the PE cap squares, traverse bolt and eyebolts



Main Bitt/Windlass. All wood parts are painted black. The resin Jeer and topsail bitts windlass is now painted in a wood colour using oil paints, and slotted wooden assembly. The pawls and handles are now added

One of my favourite tasks is to fit out the deck with all of the various assemblies that have been built. Here you see the rear half of the deck with the cannon, grates, bitts, capstan and windlass in place. Evo-Stick PVA was used to secure everything. Also note the belaying pin racks that are now pinned and glued into place



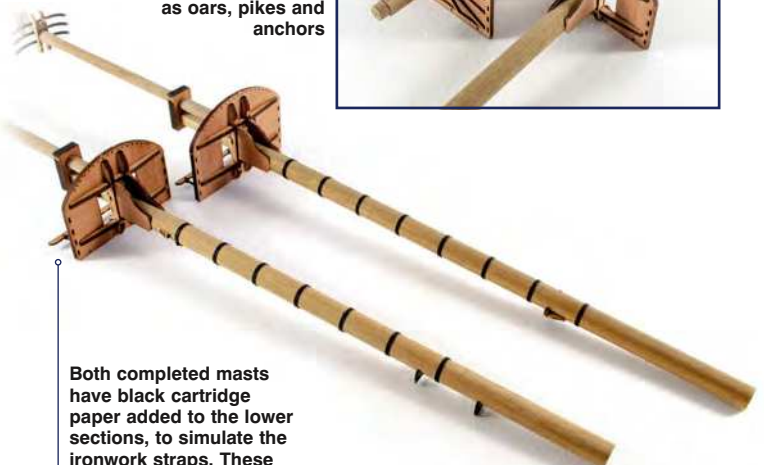


Not all hull planking is complete! The 18' cutter that sits atop the deck, is now built on its own jig and planked with 2mm pear strips, glued with CA gel

The completed launch is a little model in its own right, fitted out with rails, seating, PE floor and various accessories such as oars, pikes and anchors

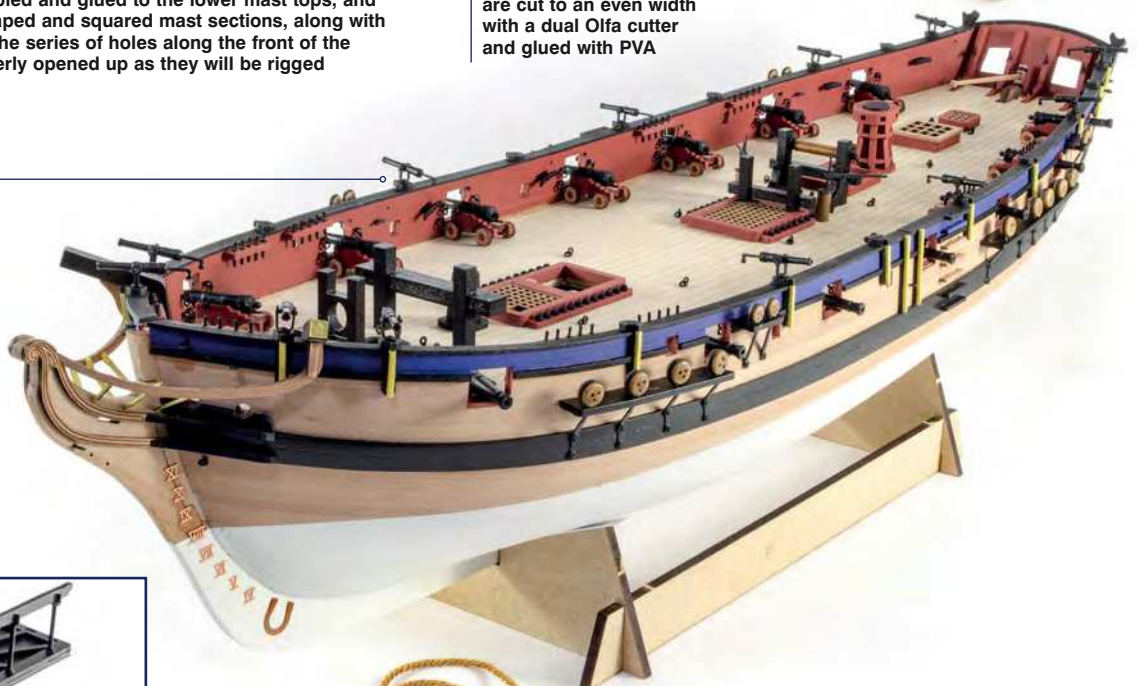


The crossrees are assembled and glued to the lower mast tops, and then these fitted to the shaped and squared mast sections, along with the cheeks. On HMS Flirt the series of holes along the front of the mast top, need to be properly opened up as they will be rigged



Both completed masts have black cartridge paper added to the lower sections, to simulate the ironwork straps. These are cut to an even width with a dual Olfa cutter and glued with PVA

This photo shows the hull finally fitted out and ready to add the masts and rigging. The deadeyes are now securely in place. The 18' cutter won't be fitted until the end as it will hinder the rigging



With the main shroud lines in place, the futtock staves and catharpins are now fitted, to stop the shrouds flaring and pulling out of alignment



Those anchors need their cables, so the thicker cord is drawn through the front grate and then the cord is pulled through the inner hawse holes before being seized/rigged to the anchors



The upper shroud lines and futtock shrouds are now added and carefully tensioned



In this photo, you can see the crow's feet rigging on the lower mast tops. These are rigged to the main preventer stays, via a photo etch euproe block and 2mm rigging blocks

FULL-BUILD: HISTORIC SHIP KIT

VANGUARD MODELS 1:64 FOURTEEN-GUN BRIG SLOOP HMS FLIRT ● KIT NO.VM/05

- My sincere thanks to Vanguard Models for the opportunity to build the prototype of HMS Flirt for the new kit release instruction manual, and for being able to prepare this resulting article for Tamiya Model Magazine. Head to www.vanguardmodels.co.uk for more information. ●

TECHSPEC...

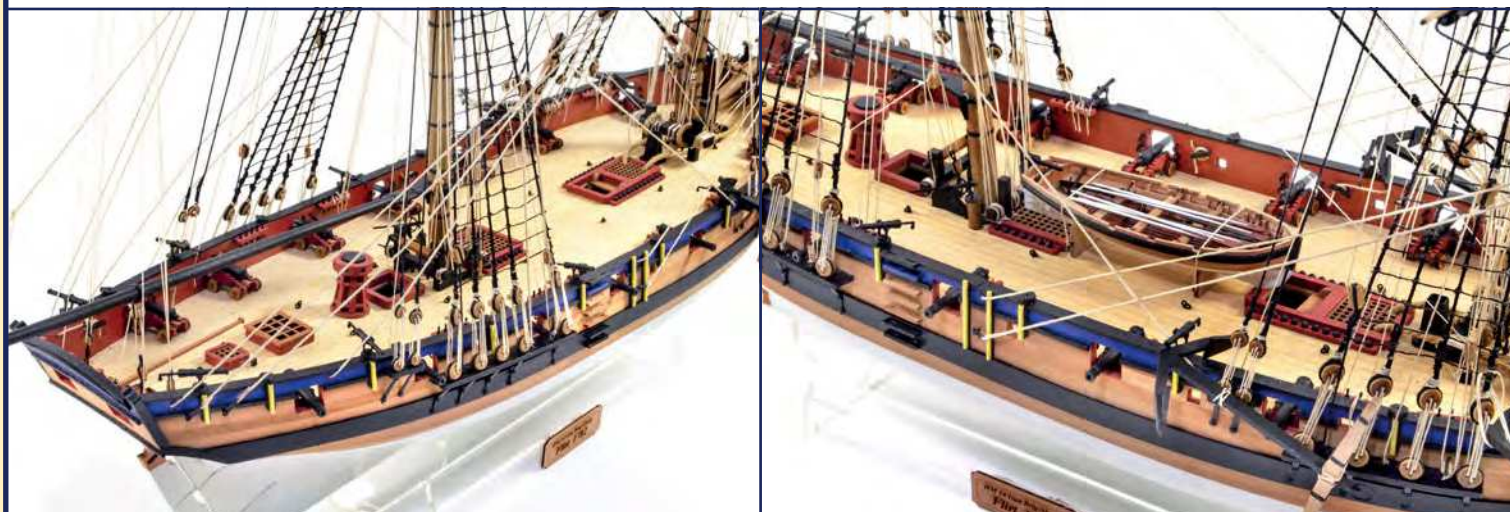
VANGUARD MODELS 1:64 14 GUN BRIG SLOOP HMS FLIRT KIT NO.VM/05

Materials:

- Laser cut parts in MDF, clear acetate, birch plywood. All visible parts are laser cut in pear wood sheet
- Laser cut pearwood ladders and gratings
- Laser etched and cut limewood main deck with all trenail detail
- Three sheets of photo-etched brass
- Cast black resin four-pounder and half-pounder cannon barrels with black acrylic cannonballs
- Double planked hull in limewood for first planking and pearwood for second planking
- Walnut dowel mast and yards
- Multiple sizes of both black and natural rigging thread along with all necessary blocks and deadeyes
- Sixty-four page full colour building manual along with 10 full size plan sheets

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T-34 COLORS T-34 TANK CAMOUFLAGE PATTERNS IN WWII

www.migjimenez.com

Without question the most important tank of the Second World War, the Soviet T-34 came in many varieties and, surprisingly, was seen in more colours than just overall green. This new title from AMMO by Mig Jimenez comes in portrait format between soft covers and comprises 92 pages of colour illustrations by Igor Donchik, chronicling this famous tank in its manifold manifestations. Somewhat oddly, the book kicks off with eighteen or so pages dedicated to captured T-34s in Wehrmacht service, a chapter this reviewer feels should have taken final billing. This is followed by T-34s in Polish service, then Czech, Finnish and lastly, the Soviet Red Army. Despite the somewhat topsy-turvy chapter order, the illustrations are excellent and the book should provide some ideas when modellers are struggling to find paint schemes that will give their models some individuality. **TMMI**

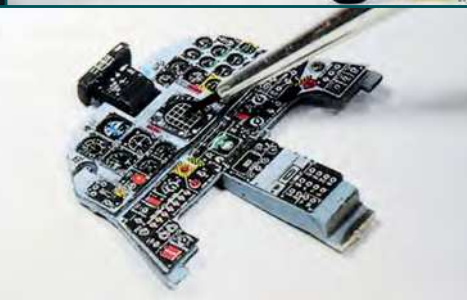


WINGSPAN 4, 1:32 AIRCRAFT MODELLING

CANFORA GRAPHIC DESIGN AND PUBLISHING

www.canfora.se

It's amazing to think this series of fabulous large-scale aircraft books from Swedish publishers Canfora is on its fourth volume - how time flies. This time we are treated to some spectacular models from top-rated international modellers and each build is inspirational. The book covers no less than ten full-builds: Hasegawa Focke-Wulf Fw190A-8 (Tomáš Banic), Hobbycraft NA P-51A Mustang (Ralph Riese), Kitty Hawk Northrop F-5E Tiger II (Oto Drobik), HpH Douglas C-47 Skytrain (Zdenek Sebasta), HK Models Dornier Do335A-1 Pfeil (TMMI's own Brian Criner), IBG Models PZL P.11c (Toni Canfora), Italeri Lockheed Martin F-35A Lightning II (Jan Kopecký), Wingnut Wings Royal Aircraft Factory FE.2b (Mikael Terfors), Trumpeter Mikoyan-Gurevich MiG-23MF (Henrik Redin) and ICM Polikarpov I-16 Type 24 (Anders Isaksson). Each model is built and finished to an extremely high standard and if you're in need of a little inspiration, this book will bring back your mojo in an instant! Highly recommended. **TMMI**





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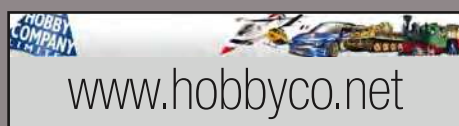


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● TAMIYA JAPAN

Tamiya, Inc., 3-7 Ondawara
Suruga-ku, Shizuoka 422-8610 Japan
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NEXT ISSUE

The next issue of TMMI is September 2021 (No.311), on sale August 19th



TOWERING TEMPEST

The Special Hobby 1:32 Hawker Tempest Mk.V in 1:32



HOW LOW CAN YOU GO?

Revell's 1:24 Ford GT4 in Wynn's colours

LEND-LEASE ON THE ROAD

Tamiya's 1:35 Matilda II in an Eastern Front diorama



...AND MUCH MORE, OF COURSE!

Due to the many factors that can influence the appearance (or non-appearance) of a model in TMMI, the items listed here are shown on a provisional basis. We endeavour to bring you these articles, but please be patient if they do not feature! Thank you for your understanding.

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CONTACT INFO:

Tel: +44(0)1525 222 573

Advertising enquiries: alan@doolittlemedia.com

Doolittle Mill, Doolittle Lane, Totternhoe,

Bedfordshire, LU6 1QX, UK

www.tamiyamodelmagazine.com

Editorial email: editor@tamiyamodelmagazine.com

Other enquiries: enquiries@doolittlemedia.com

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The Editor's Page...

BT44B 1975 makes a welcome return

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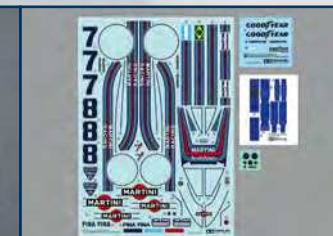
BRABHAM IS BACK!

Tamiya's 1:12 Martini Brabham BT44B 1975 is on its way back!

The kit comes complete with the photo-etched detail set that was included with the last re-release, eleven years ago. The model was originally launched in 1975 to much acclaim and it still looks fantastic to this day.

Kit features:

- 1:12 replica of the three-litre V8 Ford Cosworth DFV with wiring and plumbing
- Air-intake funnels are high-precision, machined aluminium parts
- Cockpit includes seat belts, gear-lever, fire extinguisher, battery
- Front wheels are linked to the movement of the steering wheel
- Photo-etched metal parts included for seat belt buckles and cowl fasteners
- Front nose is removable to reveal radiator, master cylinder, stabiliser
- Tyres are made of hollow synthetic rubber with the Goodyear logo moulded in
- Decals by Cartograf
- Length 355 mm
- Width 160mm
- Height 109mm ●





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Silver Arrow Revival

1/24 Sports Car Series 1989 Sauber-Mercedes C9 (Item 24359)

This is a 1/24 scale plastic model assembly kit of the Mercedes-Benz racing car, Sauber-Mercedes C 9 which achieved seven wins in eight World Sports Prototype Championship races in 1989. The aerodynamic C car form is captured in style, including downforce-generating diffuser and flat under panel. Also, this model offers realistic renderings of mechanisms such as V8 twin turbo engine, bulkhead-rear intercooler, and rear suspension with the dampers horizontally attached inside the subframe. The detailed cockpit features realistically depicted bucket seat, dummy seat, fire extinguisher, and instrument panel. Do not miss this chance to get the model which evokes strong memories of the glory of the Silver Arrows which also got a 1-2 finish in the legendary 24-hour race in France.



Features a realistic rendering of the V8 4-valve DOHC twin turbo engine under detachable rear cowl.

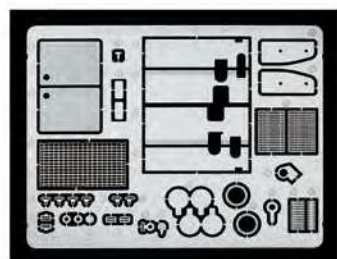
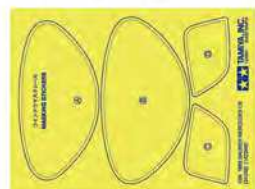


Photo-etched parts recreate turbo unit heat shield, radiator, intercooler core, seatbelt buckles, and front fender louver covers. ★ Requires Tamiya CA cement.



Comes with marking decals by Cartograf, tire logo decals and seatbelt stickers.



Masking stickers help with the window area paint job.



Painting the 1/24 1989 Sauber-Mercedes C9
Tamiya Color Lacquer Paints (LP)
★ LP-70 Gloss Aluminum (Item 82170)



Stainless steel antenna included.

Length: 197mm, width: 84mm, height: 67mm (includes antenna).

Features realistic synthetic rubber slick tires.

Choose car 61, 62 or 63.

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

1989 SAUBER-MERCEDES C9



F-4B PHANTOM II™

1/48
SCALE



A Legend has Arrived

1/48 Aircraft Series **McDonnell Douglas™ F-4B Phantom II™** (Item 61121)

Tamiya's 1/48 Aircraft Series is a demonstration of our passion for aircraft of all types, and it now welcomes a true legend in the form of the F-4B Phantom II, crammed with supremely realistic 1/48 scale recreations – the complex fuselage design, details on the folding wing hinge section, and a busy cockpit to mention just a few highlights. The tailplane uses integrated left and right sides for coordinated motion just like on the full-size jet, while engine nozzles are broken down into six parts each and even feature interior detail. Combining Tamiya's uncompromising commitment to detail and our trademark smooth build, this latest addition to the 1/48 Aircraft Series is one you definitely won't want to miss.



Fuselage length: 370mm
Wingspan: 244mm*
*with wingtips extended.

- ★ Comes with two figures, canopy masking stickers, plus 1/48 scale full-color painting and marking guide.
- ★ Choose folded or extended wingtips.

- ★ Three Vietnam War marking options included.



McDONNELL DOUGLAS™
F-4B PHANTOM II™

1/48 Scale F-4 Phantom II™ Access Door Decal Set A (Item 12692)

Also on sale is this new set with additional access door notices and stencils, canopy seals and decals for nozzle sections.

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