

**INFO**

# EDUARD

**VOL. 12 • ISSUE 2 • FEBRUARY 2012**

**EXTRA  
6 PAGES**

## PE-SETS

Sea Vixen 1/48

MiG-21MF 1/144

USN Carrier Deck

1943-44 lift area 1/72



## QUARTER EMIL!

**Emil in details**

## BUILT

Bf 110C/E in MTO 1/48

Bf 109E-1 1/48



## BIG ED

P-51D EARLY 1/48

## HISTORY

Polikarpov I-16 in Spain

# INFO EDUARD

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March 2012

**eduard**

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# EDITORIAL



I'm smelling home run here, folks! This is not my sentence, I have found this on Hyperscale, but I can sign it! (a request for a potential copyright fee sent to my e-mail, Lynn!) February is exceptional month not only thanks to new Bf 109E. This kit itself looks great, and although someone could say there are too many Messerschmitt around, I personally think there are not enough good Messerschmitts, Focke-Wulfs, Spitfires and Mustangs yet around! So I wish you to see all these aircraft soon in Eduard production. I promise we will fulfill all your wishes step by step, but for now – enjoy our fabulous Emil!

We have more highlight in most of our lines ready for February, so I'm sure there will be many other items to see or even buy this month. The Brassin collection of the five new sets for various MiGs, photo-etch collection brings two interesting premiere releases, our first 1/144th scale photo-etch set and photo-etched pre-painted display base, which both are the pilot project for wider family of the future products. There is also pre-painted plastic model base, and with PSP surface among the February kit releases. This means this month has to be very busy and hopefully also stimulative time for all Eduard fans. in both cases pre-painted, will be inspirative for you. So let me shorten my

editorial today to give you more time to study the February newsletter, which is quite long and full of suggestive articles.

We are in Nuremberg this week, you can find us in Hall 7, Eduard booth number is B75. There is no more interesting booth than Eduard's one, so don't miss us!

Now enjoy your February newsletter, folks, but remember - keep modeling!

Vladimir Sulc



INFO FEBRUARY

**NEW START**  
**WEDNESDAY**  
**01-06.02.2012**



—  
PŘIPRAVIT:  
PLAKÁTY  
MODELY...  
—  
LEŽÁKY—

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- kits: BF 109E-1  
1/48  
- BIG ED P-51D!  
- a word from  
the designer

**Spielwarenmesse**  
International Toy Fair  
Nürnberg  
01.02.-06.02.2012



A word from  
the designer  
-SEA VIKEN  
  
BIG ED!!!!  
BR 88  
F-100F  
P-51D...  
  
MIG-21MF  
1/144



**I-16**



EMIL IN DETAILS:  
- detail of engine  
- nose  
- propeler  
- wheel well detail  
- wheels...

**emil**

BUILD:  
BF 110C1E  
BF 109E-1



**Bf 109E-1 ProfiPACK**

1/48 Cat.No. 8261

1/48



Fw. Artur Beese, 9./JG 26, Caffiers, France, August, 1940



Ofw. Kurt Ubben, 6.(J)/Tragergruppe 186, Wangerooge, Germany, March, 1940



Hptm. Hannes Trautloft, 2./JG 77, Juliusburg, Germany, September, 1939



6./JG 52, Husum, Germany, 1940

February 2012 E-1 release opens Eduard 1/48 line for Bf 109E. Made from brand new tools by Eduard advanced technology. The quarter scale Bf 109E kit brings exceptionally high level of detail combined with superb fit. The instruction sheet keeps the Eduard standard with full color painting and marking guide. The decal sheet represents the well-proven combination of the Eduard design and Cartograf print. The color PE detail set and the canopy mask sheet must be attached to each ProfiPACK boxing, of course. Kit contains four marking options.

See article by Jan Bobek, related to Hannes Trautloft, whose plane is subject of one of selected decal options (Red 1, Hptm. Hannes Trautloft, 2./JG 77) – Info Eduard, 08/2010



**BUY Bf 109E-1 1/48**



# Bf 109E-1 1/48 - Emil in details

We bring you article, where we go more into details about specific parts of this fantastic kit.

**VLADIMÍR ŠULC**

## FUSELAGE – TAIL SECTION

The rudder is separately molded in the kit. Quite sharp trailing edge of the stabilizer covers the leading edge of the rudder, with well fixed distance between the parts.

The final tail arrangement looks pretty realistic. Note the screw for settings of the horizontal stabilizer angle inside the vertical stabilizer under the leading edge of the horizontal tail...well, this sounds like a Google navigation, but this assembly is not so large area to find this squirt! It is about 2mm high pin with thread. The tail wheel is separately molded from the leg.



## FUSELAGE – NOSE

The engine assembly fits to the nose exactly, the position is fixed by the exhaust tubes, which are fixed in the bottom cowling. It is necessary to load the engine into the nose a little bit from front to back. See the glued side panel behind the engine, the line between this one and the rest of the fuselage looks like the other panel lines, although is simply the interspace between two parts. Note the hollow exhaust pipes.

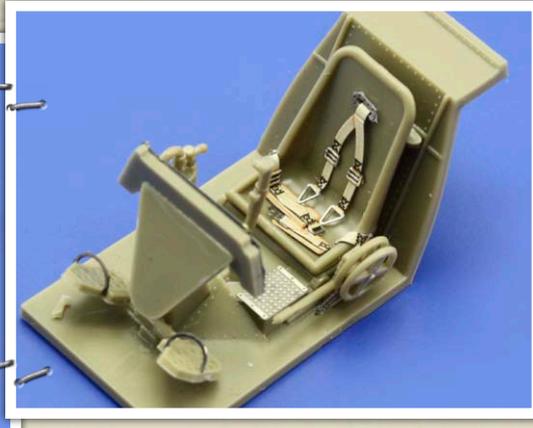
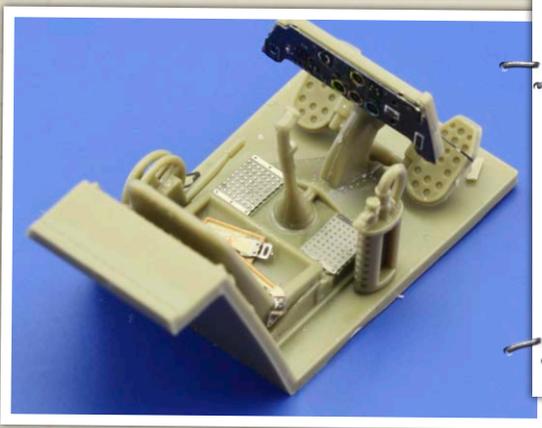
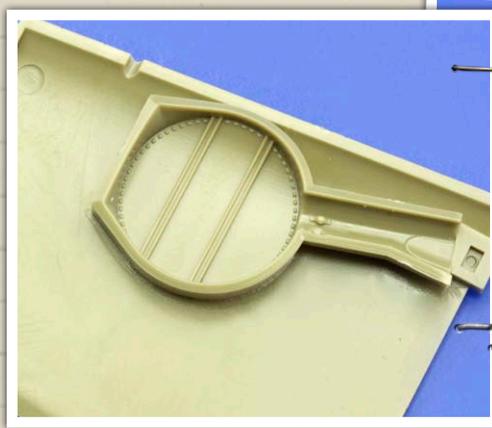
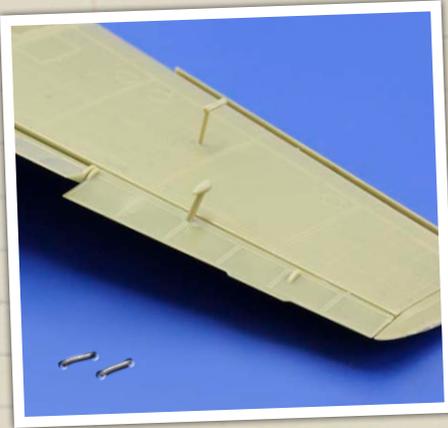
## ENGINE COWLING

It fits over the engine if no details are installed, and when you sand the front upper corners of the engine block. Unfortunately, the kit allows the build in two modes only – open or closed. The machine gun barrels are hollow again. All the barrels in this kit are hollow.



**WING**

The fabric areas were always Eduard's glory, these winglets and flaps are all inclusive service with the stitching and netting. The metal areas became be pretty well looking in our fashion too. Note the wheel well, it is much better to glue the well on the top half of the wing, not to the bottom how the instructions shows. The upper half wing relief leads the well part to the position purely exact.

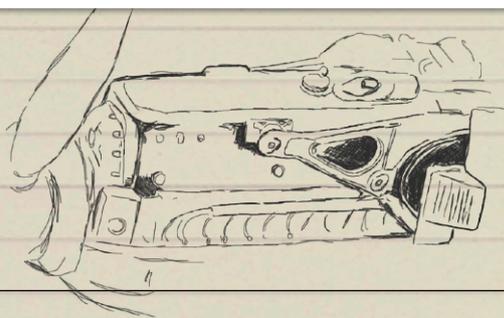
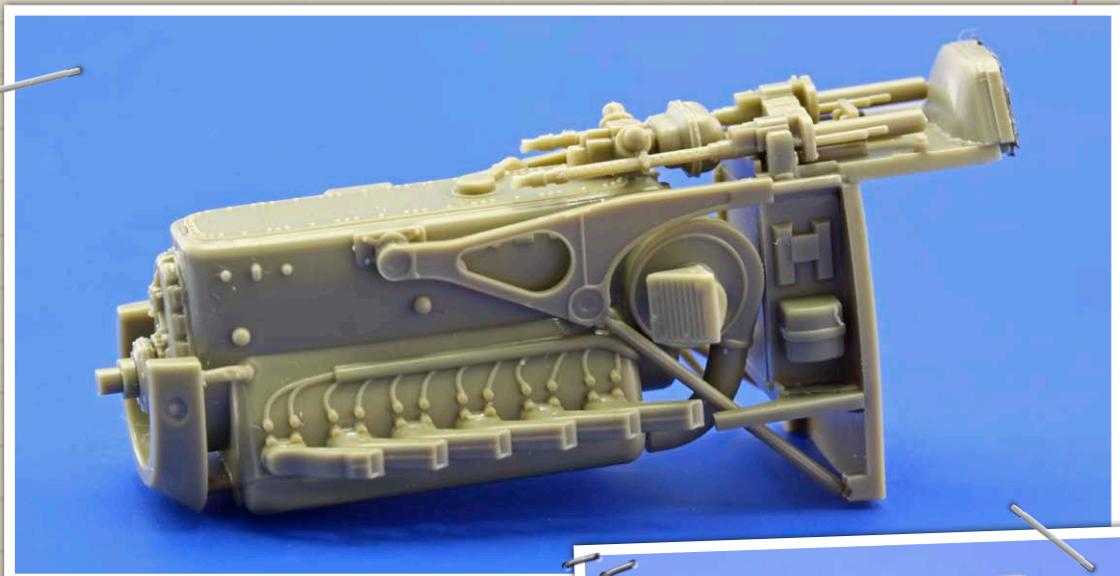


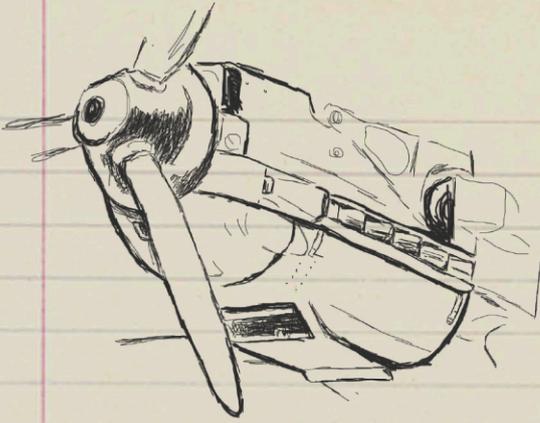
**COCKPIT**

Eduard's classics. Well detailed space, with color photoetch seatbelts, dashboard and some other gadgets.

**ENGINE**

Very complex, well detailed assembly. The oil tank assembly on the front bottom was simplified, which should eliminate a lot of stress during the engine build (remember our 32nd...) Note the hollow exhaust pipes and machine guns. This is what is announced as slide molds by our competitors – see guys, also we can do it!





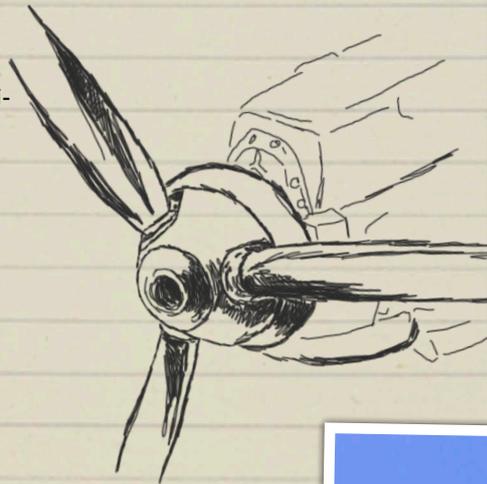
### NOSE RADIATOR

We decided to re-design this part of the kit in comparizont to our 32nd. Fits perfectly, to keep the exact position of the radiator in the fuselage is important as usual.



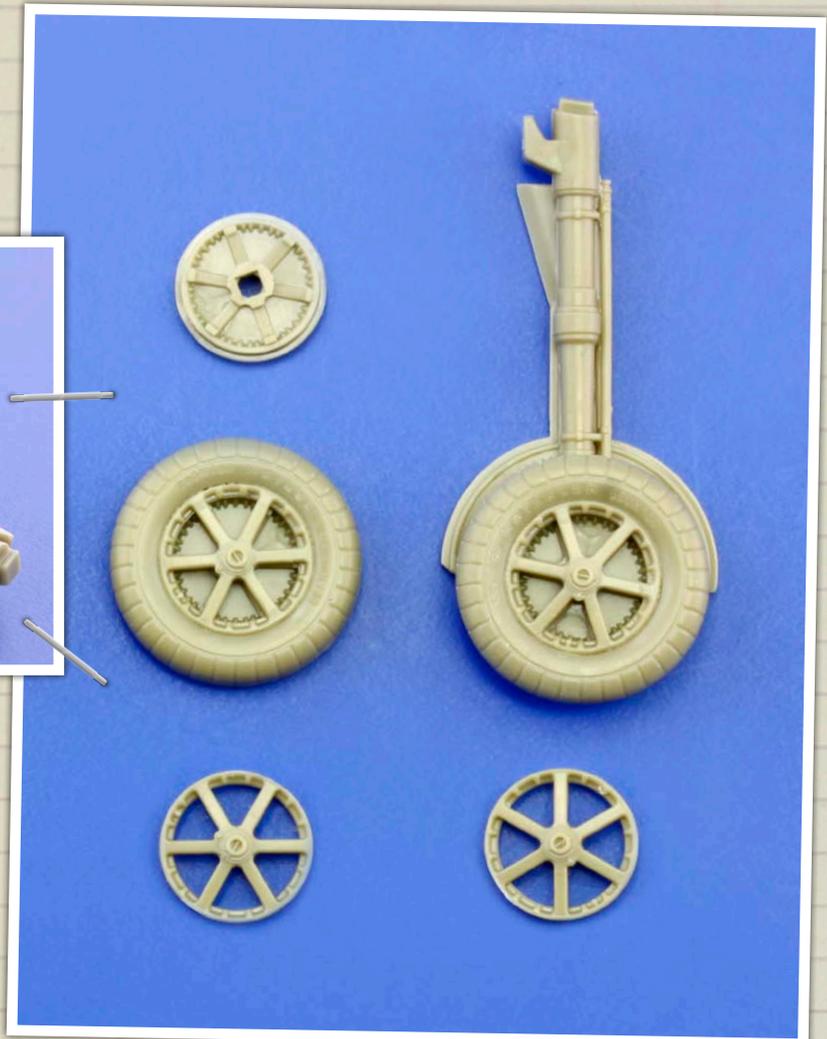
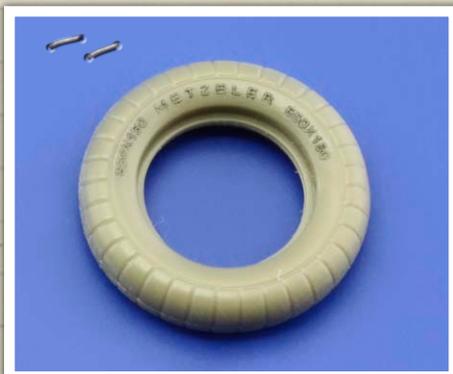
### PROPELER

The propeller is molded in one piece, except two piece cone, with nice detailed pitch mechanism.



### WHEELS

There is nothing to add. We can't do it better... at least now!

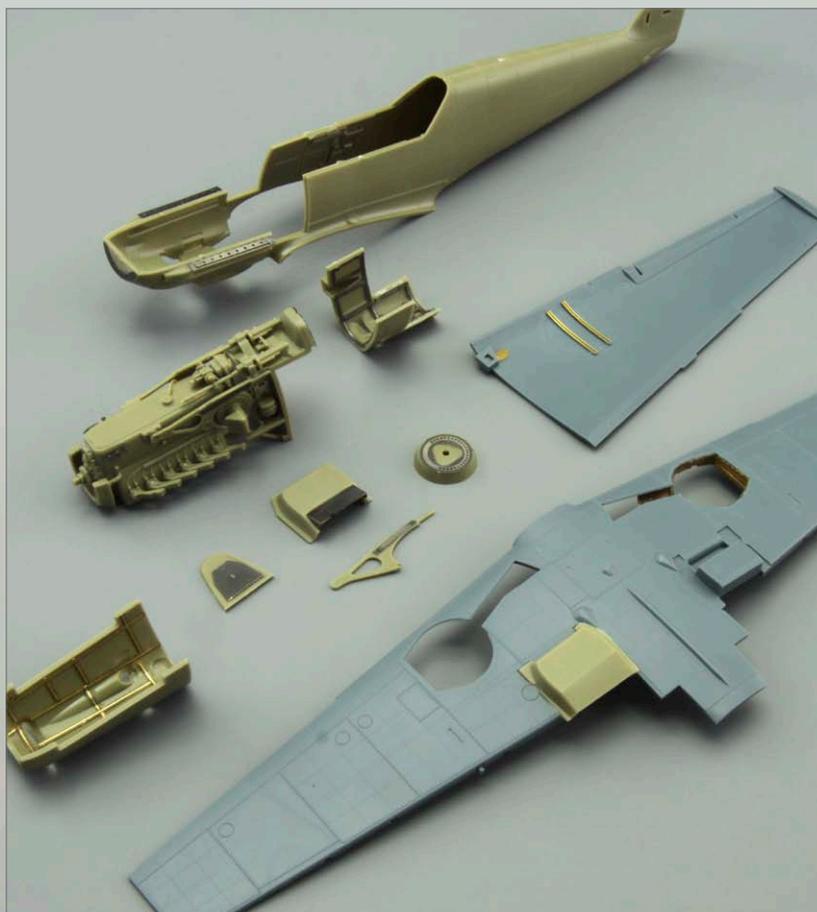
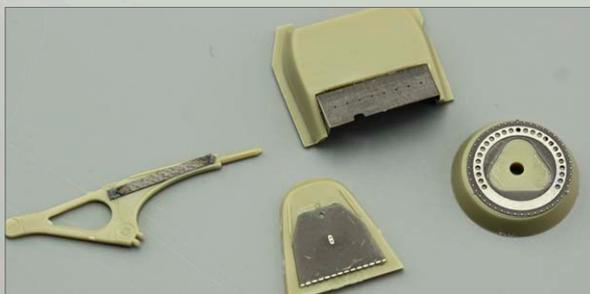
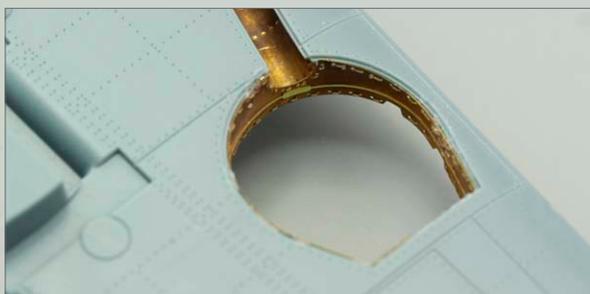




# PHOTO-ETCHED ACCESSORIES FOR Bf 109E-1 1/48

48720 Bf 109E-1 1/48 (Eduard)

**BUY**





# I-16 Type 10 LIMITED EDITION 1/48 Cat.No. 1160



## OVER SPAIN



Nationalist Air Force, Morón Fighter School, Morón Airbase, 1949



Spanish Republican Air Force, 7th Escuadrilla, Pachs AB, autumn 1938



Spanish Republican Air Force, flown by Pedro Rueda, 4th Escuadrilla



Nationalist Air Force, 26th Grupo de Caza, Tablada airfield, Sevilla, 1944-1945



Nationalist Air Force, Reus airbase, Spain, 1940's



Spanish Republican Air Force, 1st Escuadrilla, Liria airbase, April 1938



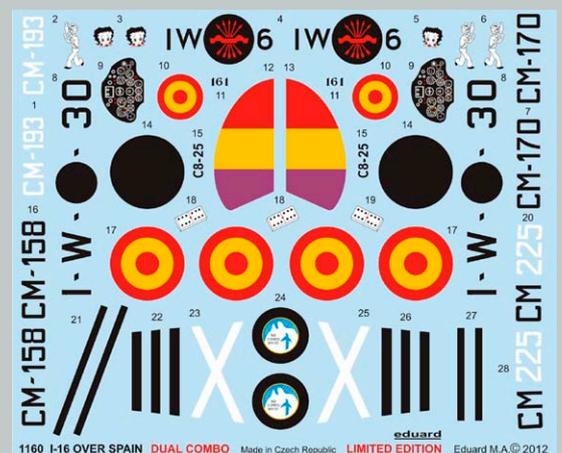
Nationalist Air Force, Morón Fighter School, Morón Airbase, 1940-1941



Spanish Republican Air Force, flown by Jose-Maria Bravo, Francisco Tarazona, COs of 3rd Escuadrilla, Vilajuiga airbase, February 1939

Limited edition kit in Dual Combo contains two complete I-16 Type 10 kits, big PE set, eight marking options of the both sides of the Spanish civil war. However, most the Nationalist and Spanish markings represent the post war schemes, because most the I-16 which survived the war or even were build in the Spain after the war served long time, until mid 50's, in Spanish Air force.

Eduard designed decals are printed by Cartograf, Italy.



See related article by Spain I-16 expert José Fernandez on page 26.

**BUY I-16 TYPE 10 OVER SPAIN 1/48**

# F6F-5 Hellcat Weekend

## 1/72 Cat.No. 7415



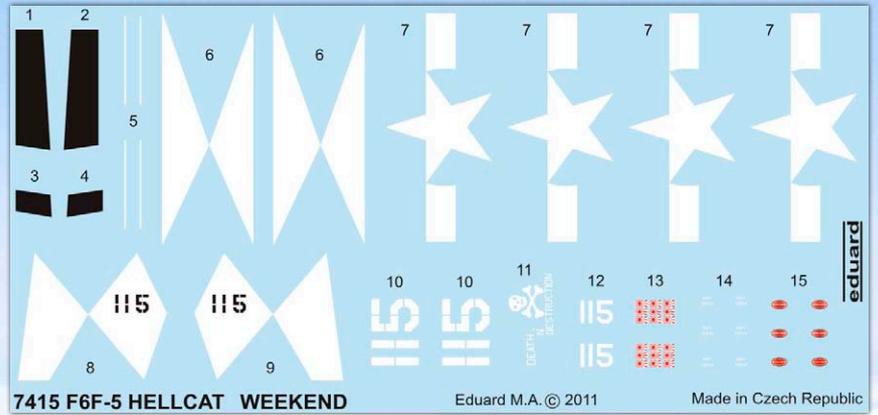
White 115, 'Death and Destruction',  
BuNo 72534, Ensigns Donald McPherson,  
Bill Kingston, Jr., and Lyttleton Ward, VF-83,  
USS Essex, 5<sup>th</sup> May, 1945

**BUY F6F-5 Hellcat 1/72**

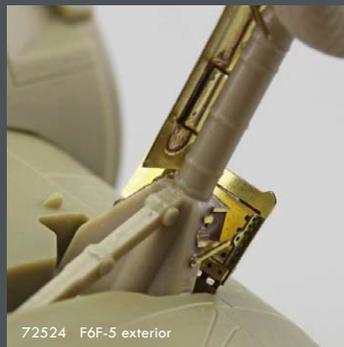
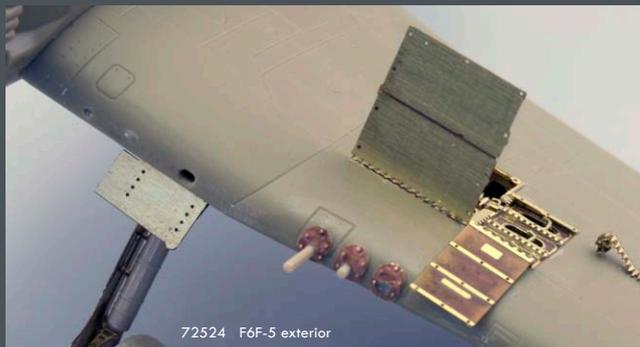
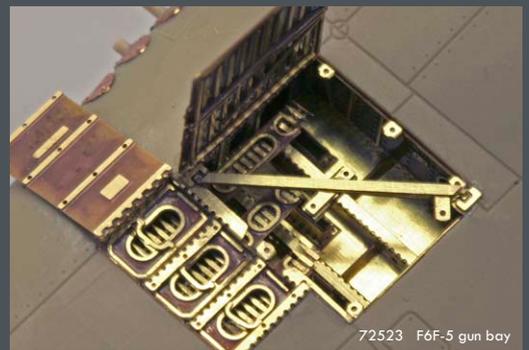
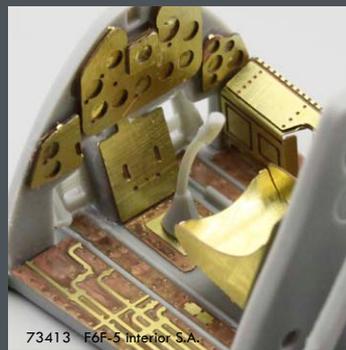


**WE RECOMMEND:**

- CX308 F6F 1/72 MASK
- 73404 F6F-5 S.A. Weekend
- 73413 F6F-5 interior S.A.
- 72523 F6F-5 gun bay
- 72524 F6F-5 exterior
- SS413 F6F-5 interior S.A. Weekend



**WE RECOMMEND: PHOTO-ETCHED SETS FOR F6F-5 1/72**



## PSP colour Weekend

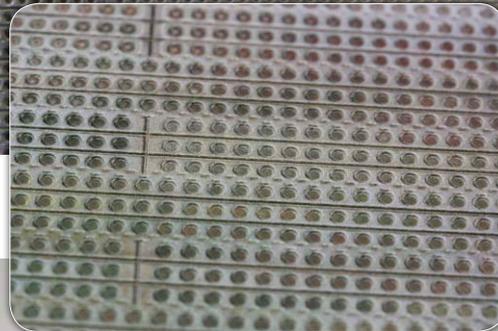
1/48 Cat.No. 8820

Eduard plastic model pads are still well known (and available) in the natural plastic color. This new release represents the new generation of the pre-painted model pads.

PSP - Perforated Steel Plates were used for taxiways, hardstands and runways surface stabilization at airfields by Allied Air Forces during WWII (and after). Prefabricated steel strips, once joined together, composed a compact strip grid. These PSP strips were often seen at the airfields and bases of RAF and USAAF units in Europe, MTO, CBI, Pacific and several other theatres. Actual scale pre-painted board model of PSP plates surface can be easily used as a ready-pedestal for airplane models or as a diorama base. Colour finishing of this board retains variety of individual plates, their weathering, also as soil base and vegetation effect.

For more see article by Jan Zdiarský in Info Eduard 11/2011.

**BUY PSP colour 1/48**



# SELECTED PHOTO-ETCHED SETS

February photo-etch collection comes with two highly interesting and eye-catching premiere releases! Read on!

## 1/144<sup>th</sup> SCALE - AIRCRAFT

The premiere No.1, MiG-21MF detail set. Eduard never released PE sets in this small scale, and we have had to find a good way to bring a valuable set. The 1/144th scale details could be often too thin even for the fine photo-etching, which is reason for innovative combination of the etched metal and printed decal. We hope this will be a nice inspiration for 1/144 collectors. Right now, we plan to create the new sets for our own kits only, but the future of this line will be given by the real feedback.

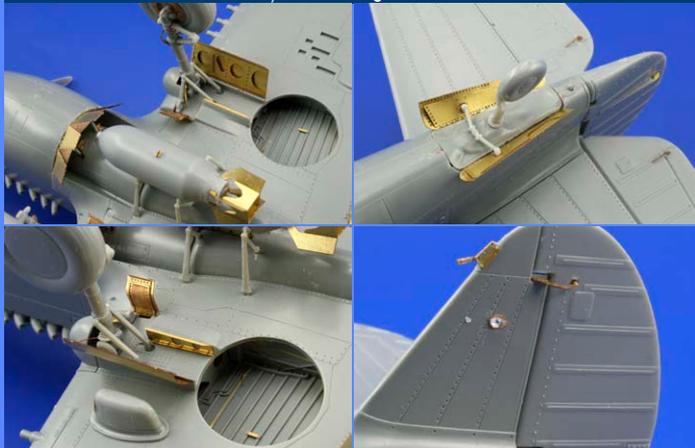
## 1/32<sup>nd</sup> SCALE - AIRCRAFT

Another set available for P-40M, together with final set for Su-25K and A-4E. Both ones for the Trumpeter kits, both are weapon sets. There

32279 Su-25 Frogfoot weapon 1/32 Trumpeter



32286 P-40M exterior 1/32 Hasegawa



144001 MiG-21MF 1/144 Eduard



is avionic bay set for EA-18G (Trumpeter too), two sets for Bf 109G-6 (Trumpeter again) and first two PE sheets for IL-2m (this is Hobby Boss, enjoy the different manufacturer). Too many 32nds, right?



144001 MiG-21MF  
1/144 Eduard

# EXTRA 6 PAGES

For whole actual  
Photo-Etched sets production  
see page 25.

## PHOTO-ETCHED SETS

32291 Il-2m landing flaps  
1/32 Hobby Boss



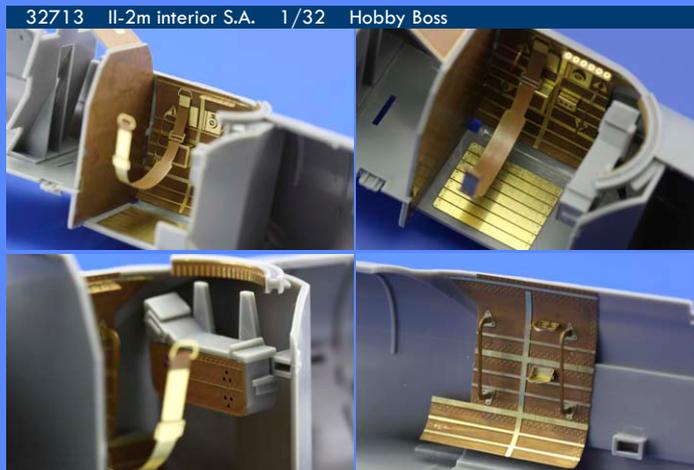
32301 Bf 109G-6 exterior 1/32 Trumpeter



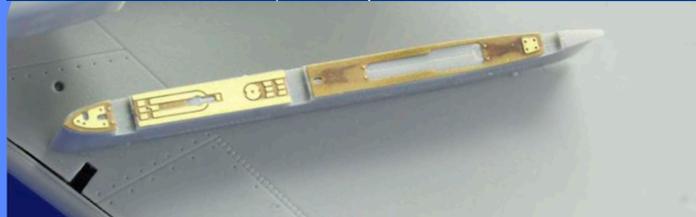
### 1/48<sup>th</sup> SCALE - AIRCRAFT

Three of the eight quarter scale sets in 1/48<sup>th</sup> scale are designed for new EA-18E released by Hasegawa. As promised, we continue with P-61A for Chinese Great Wall kit and similarly with Airfix Sea Vixen bringing the set for landing flaps and folded wing inner structure. February seems to be a NAVY month, with so many Navy sets – another one is designed for Seafire Mk.XVII landing flaps, for the Airfix kit too. There are two highly interesting sets created for Eduard own kits. The MiG-21 surface panels set gives a nice opportunity to make the surface of the model more plastic. This is a self-adhesive set, which makes the panel application easy with great result. The Bf 109E-1 set is important. It wasn't common in the past to release a PE set for our premiere release in the same month with the basic kit. This is probably the first time it happen, which makes us proud an happy. We hope this timing could help to good sells of the PE detail set, and we will hardly work to keep such timing not only for our own kit release.

32713 Il-2m interior S.A. 1/32 Hobby Boss



32299 A-4E armament 1/32 Trumpeter



# SELECTED PHOTO-ETCHED SETS



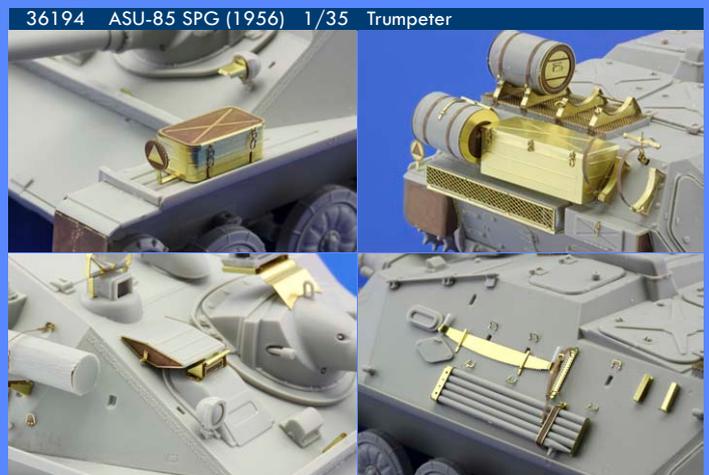
**36194 ASU-85 SPG (1956)**  
1/35 Trumpeter

**1/35<sup>th</sup> SCALE - AFV**

Well, too many 32nds are compensated by only one 35th set. ASU-85 was quite small Soviet airborne tank destroyer, which operated in early days of Soviet invasion to Czechoslovakia in 1968.

**1/72<sup>nd</sup> SCALE - AIRCRAFT**

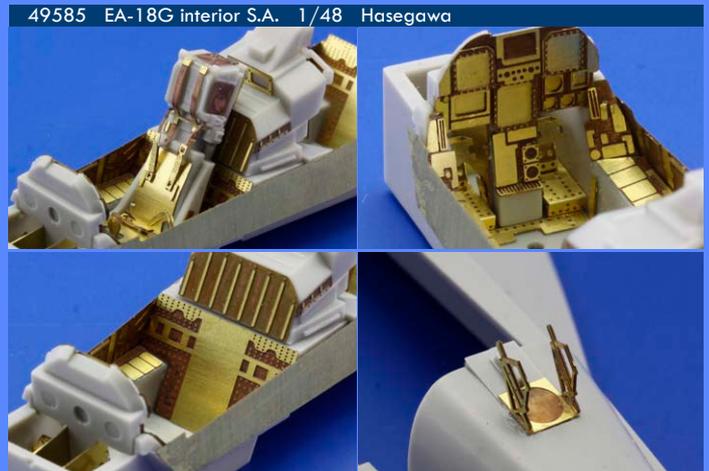
The premiere No. 2, the photo-etched model pad with US WWII aircraft carrier deck relief. Very colorful and eye-catching one, the real photo-etched gem! We trust this could be bestseller like the color seatbelts or Remove Before Flight stripes. More such pads will be coming soon! See also two sets for Eduard Hellcat Mk.II and single set for Airfix F-86E.



36194 ASU-85 SPG (1956) 1/35 Trumpeter



48713 Seafire FXVII landing flaps 1/48 Airfix



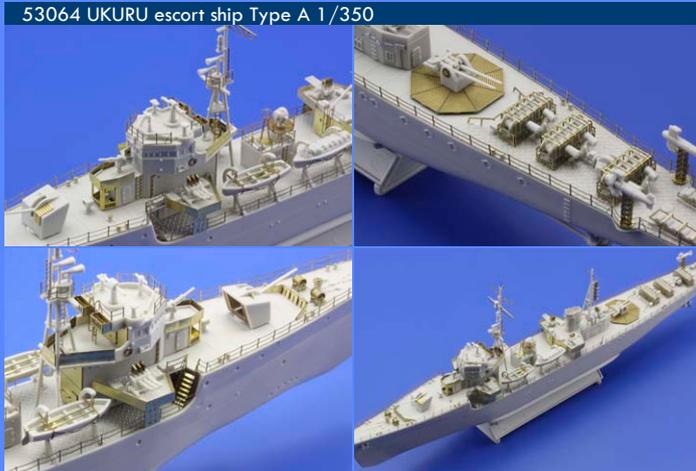
49585 EA-18G interior S.A. 1/48 Hasegawa

For whole actual  
Photo-Etched sets production  
see page 25.

# EXTRA 6 PAGES

## PHOTO-ETCHED SETS

53064 UKURU escort ship Type A 1/350



73397 F-86E S.A. 1/72 Airfix



17028 Admiral Hipper 1940 1/700 Trumpeter



### 1/350 & 1/700 SCALES SHIP SETS

The NAVY February is complete with five ship sets in various scales. Check the UKURU 1/350 set first, it is nice one designed for the beautiful kit! The other detail set is Admiral Hipper in 1/700 scale, for the Trumpeter kit. Other three sets are the accessories in both main scales, 350 and 700.

17028 Admiral Hipper 1940  
1/700 Trumpeter



# Sea Vixen 1/48



The shape and form of the Sea Vixen has captured the attention of aviation enthusiasts and Airfix's 1/48th scale rendition will find its way into the collections of many jet fans. The kit design is pretty typical of the British design school of thought from as far back as the fifties: 'be complicated, if possible'.

The kit itself is to an acceptable standard, and is pretty representative of current Airfix products. It is liberally subdivided into components, so to speak, and can be finished in different configurations. As with virtually all new releases, this kit does not escape the potential of developing a photoetched set, or sets, for it. Because this is a relatively large kit, the sets were divided into four releases; one covering the seatbelts (49589), one for the cockpit and exterior (49573 (FE573)), flap and folded wing set (48723) and a boarding ladder (48707). There is also a mask set (EX335). The sets differ in their level of difficulty, depending on subject matter and the modeler's experience.

The first thing I directed my attention to was the seatbelt set (49589). The kit accurately points out the differences between the seats of the pilot and operator. The presentation of detail, however, is not the best, and so the seat was given new canopy breakers, placards, ejection handles, along with seat and parachute harnesses.

has proper spacial geometry and details, but is rendered rather softly, and the kit designers evidently worked from photographic documentation of preserved examples. Original documentation of the FAW.2 version points out differences. On the bases of this, I proposed a new instrument panel for the pilot, side consoles, levers and switches, gunsight details and rudder pedals. On the right side of the pilot's cockpit, I replaced the bulkhead separating the crew cabins. Attention was also given to the operator's cockpit. Smaller details were designed to lay over their replaced components to minimize any required surgery of the kit parts. The entire cockpit is finished off with canopy framing in set 49573. During the application of the detail components, it will be necessary to use a file and sandpaper to remove some of the obstructive existing plastic details.

A bit contrary to plans, set FE573 contains the forward cover of the nose gear. The reason for this is the kit's inclusion of the approach 'traffic lights' which are present on this door. The designers could have included this as a decal, but unfortunately, did not.

Work on set 49573 followed. I began with outfitting the details of the airbrake. It was not possible to correct everything in this case, because starting from 'A' would mean starting with the replacement of 'ALL'. For the brake, I designed

The seats themselves are true to shape, and so the use of our detail set requires a minimum of prep work.

A different scenario played out in the proposal of the cockpit set (FE573). This, too,

a new shield, cover, and added several interesting and somewhat complicated brake well details that I expect to be appreciated by builders of this kit, and that would be pretty difficult to scratchbuild. Less complicated was the design of the arrester hook well which just needed to be deeper, and its cover, that need some side details work.

The wheel wells needed little attention. The aircraft had the gear doors closed when the aircraft was on the ground. The actual landing gear struts received some details, such as the oleo scissors, plumbing, tie-downs and brakes. The set also includes intake and exhaust covers.

A kit in itself is the set for the landing flaps. The kit ones are virtually devoid of detail, but the open brakes in the wings and centre section make for a very interesting modeling feature. The feature is very complex, but offers a look at wing interior structural details. Here, the set really shines.

A set that offers a lot of potential is the boarding ladder set 48707. Its assembly is a simple affair. As a rule, a pair was used per aircraft. Painting of the ladders should be done in consultation with period references.

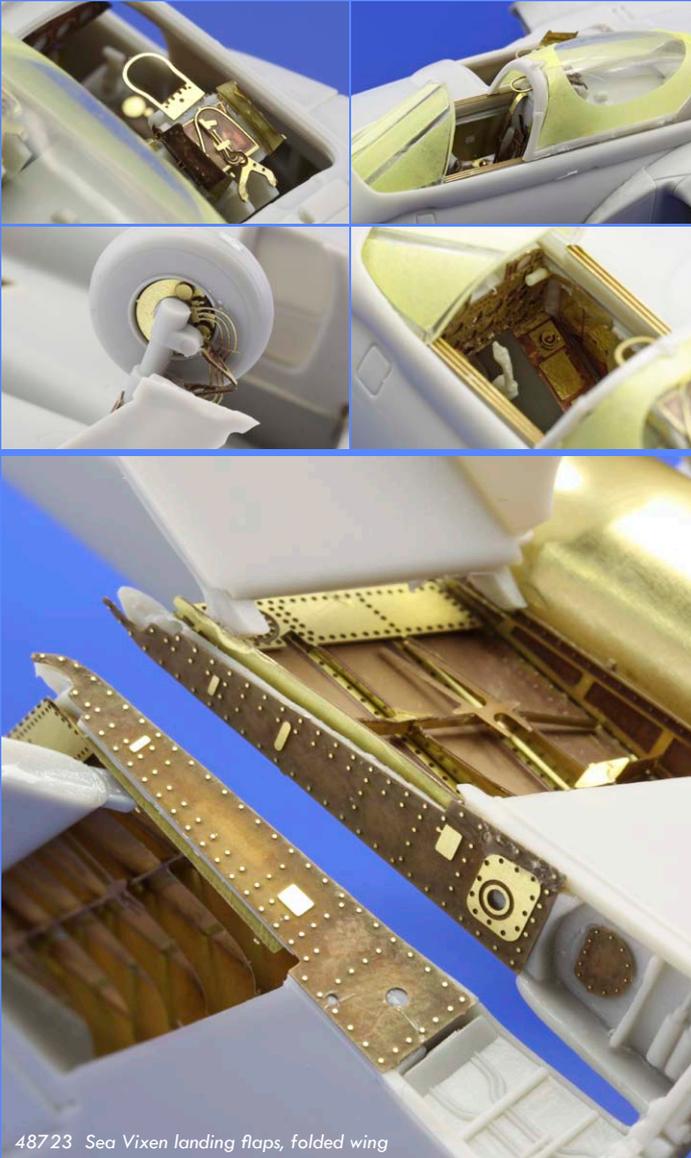
After several test shots with appropriate modifications to ensure proper fit, I finally built an example that utilized all of the components satisfactorily. You be the judge of the final outcome.

I hope you experience some pleasant modeling time with your Sea Vixen and our photoetched details.

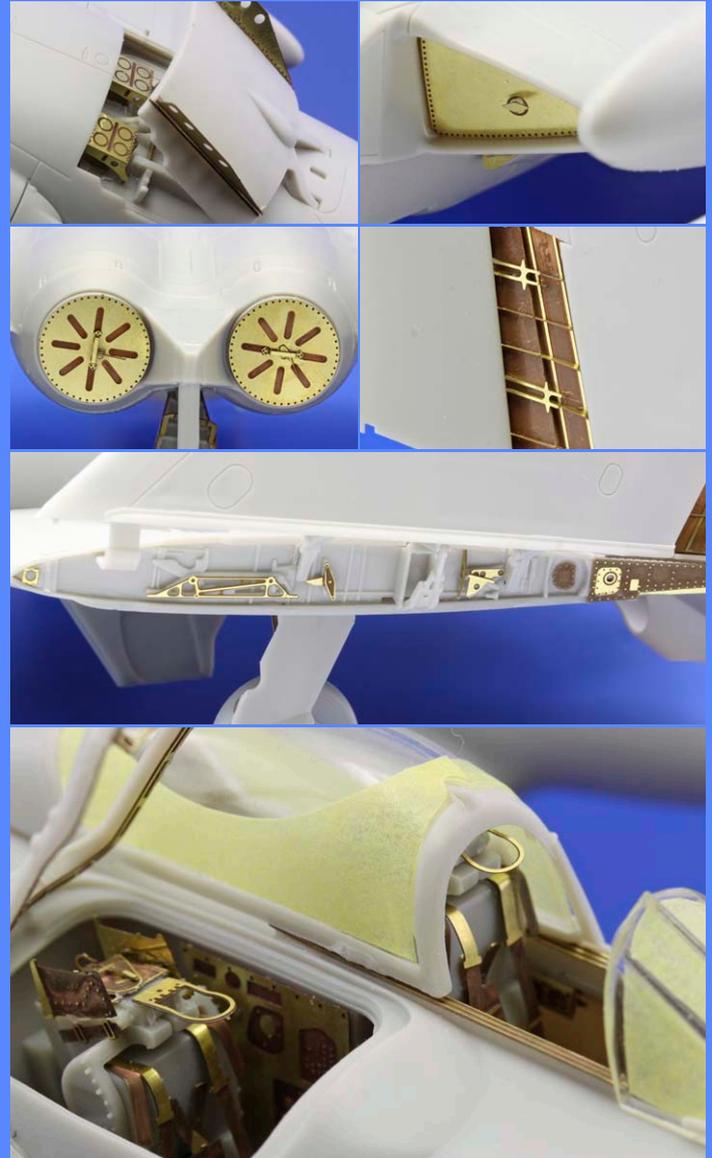
Jiri Broz

## PHOTO-ETCHED SETS

## Sea Vixen 1/48 Airfix



48723 Sea Vixen landing flaps, folded wing



## PE-SETS FOR SEA VIXEN:

48723 Sea Vixen landing flaps,  
folded wing **FEBRUARY RELEASE**

49573 Sea Vixen FAW.2 S. A.  
FE573 Sea Vixen FAW.2 interiér S. A.  
48707 Sea Vixen FAW.2 ladder  
49589 Sea Vixen FAW.2 seatbelts

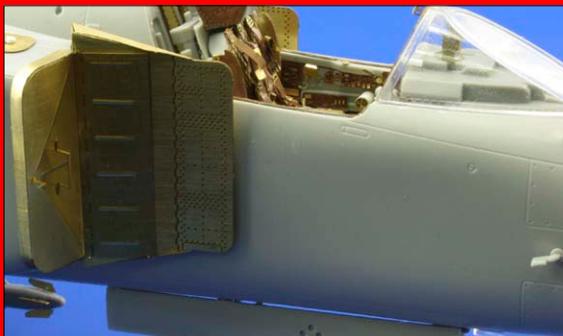
## MASK:

EX335 Sea Vixen FAW.2

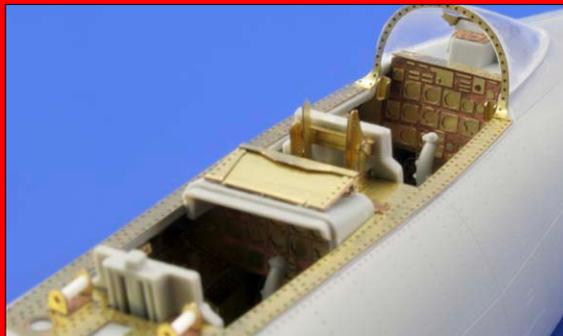
# BIG ED



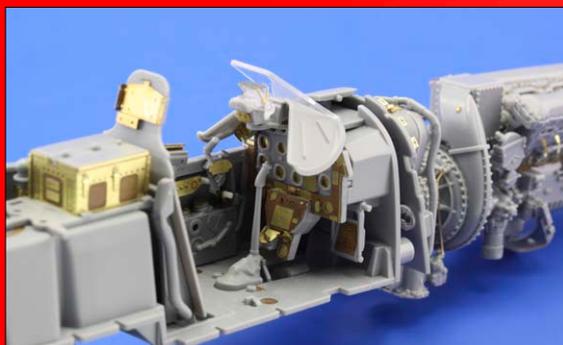
36174 BR 86 exterior (BIG3573)



32281 MiG-23ML Flogger G exterior (BIG3309)



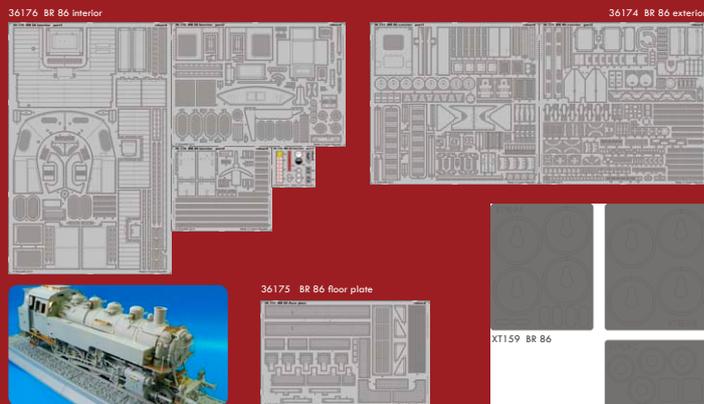
49538 F-100F interior S.A. (BIG4963)



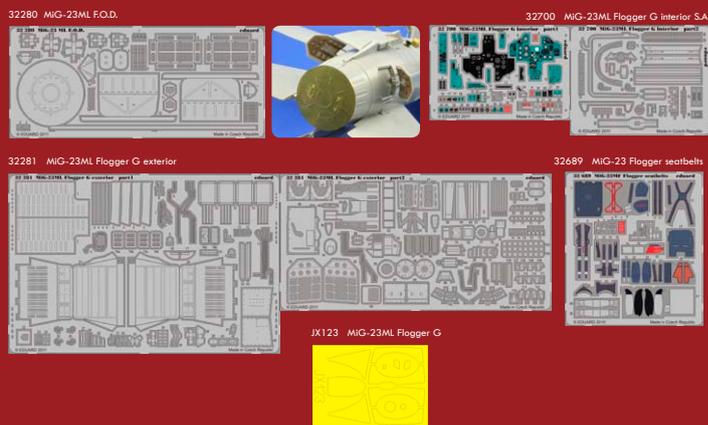
73412 F6F-3 interior S.A. (BIG7273)

Four sets, as usual. Check the collection for the BR 86 in 1/35th scale. These steam engines are always very suggestive subject, aren't they?

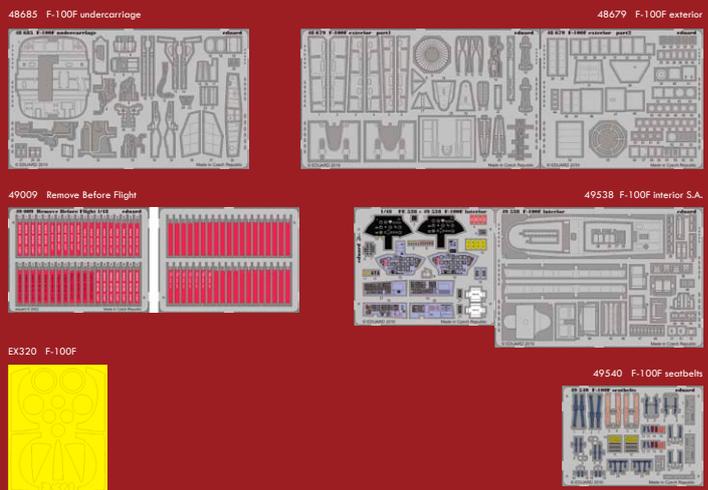
**BIG3573 BR 86 1/35 TRUMPETER**



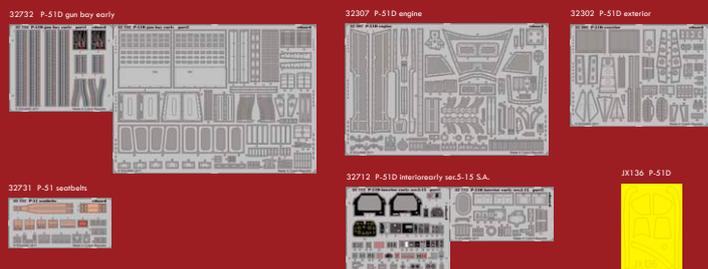
**BIG3309 MiG-23ML FLOGGER G 1/32 TRUMPETER**



**BIG4963 F-100F 1/48 TRUMPETER**



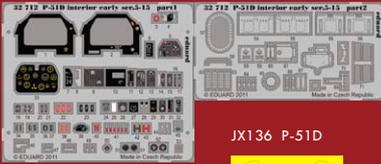
**BIG3310 P-51D EARLY 1/32 TAMIYA**



- BIG3573 BR 86 1/35 TRUMPETER
- BIG3309 MiG-23ML FLOGGER G 1/32 TRUMPETER
- BIG4963 F-100F 1/48 TRUMPETER
- BIG3310 P-51D EARLY 1/32 TAMIYA

# BIG ED P-51D EARLY

32712 P-51D interior early ser.5-15 S.A.



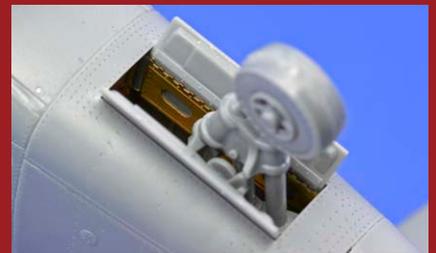
JX136 P-51D



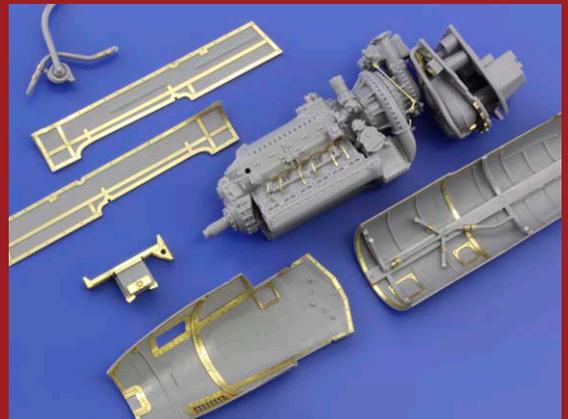
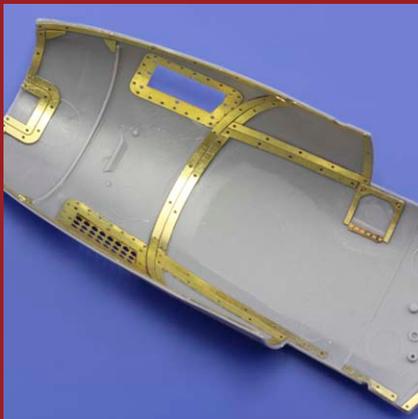
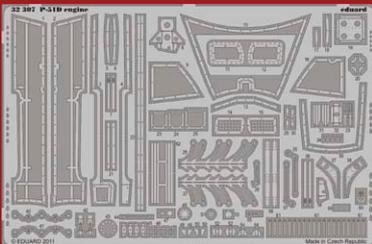
32731 P-51 seatbelts



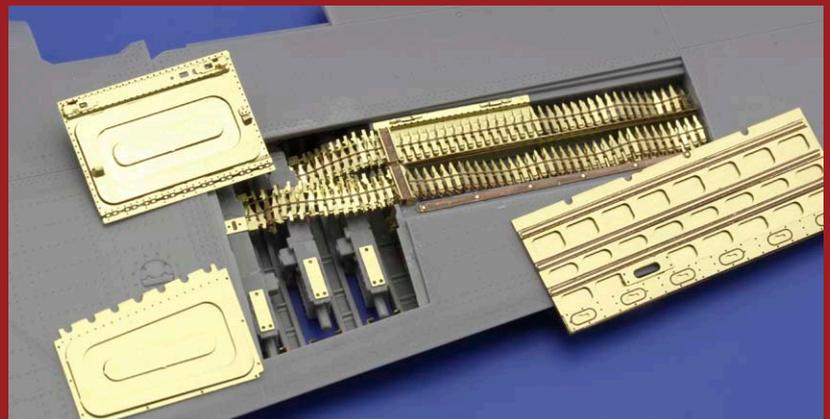
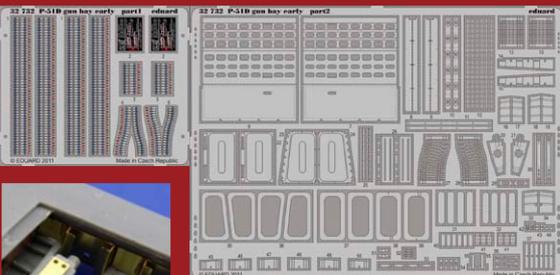
32302 P-51D exterior



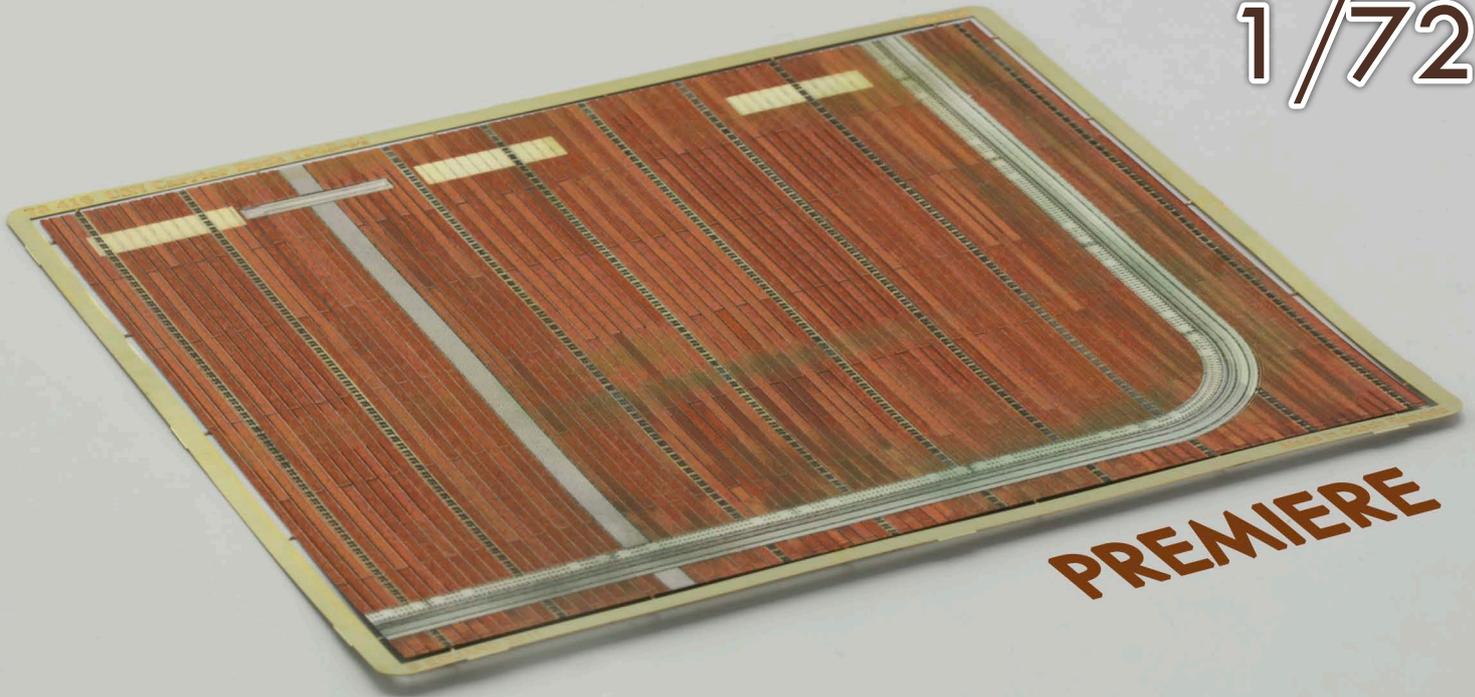
32307 P-51D engine



32732 P-51D gun bay early

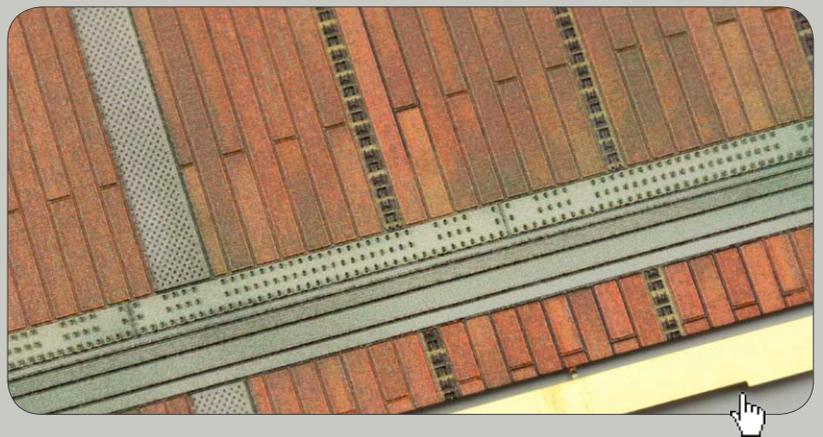
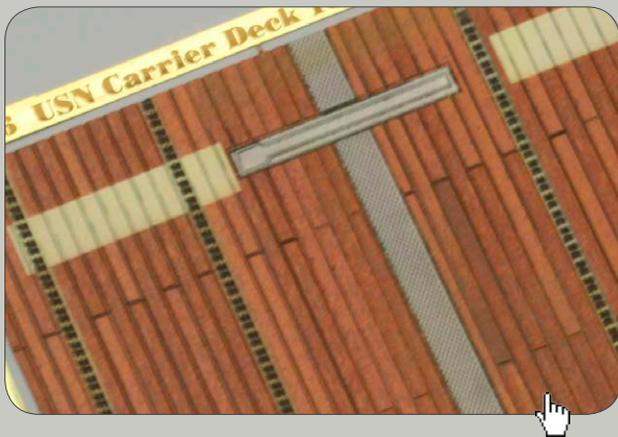


1/72



# USN CARRIER DECK 1943-44 LIFT AREA

Cat.No. 73416

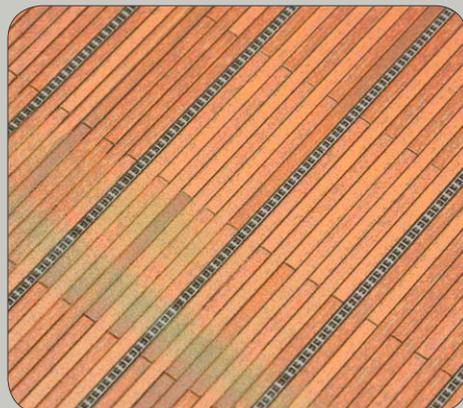


## COMING SOON:

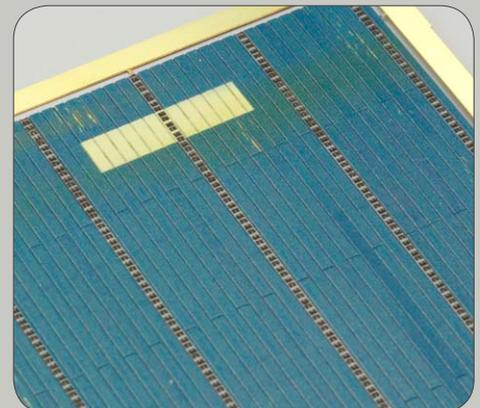
USN Carrier Deck 1942-44 lift area



USN Carrier Deck 1943-44



USN Carrier Deck 1944-45





**PREMIERE!**

**BIG BRASSIN = BIGSIN**

SIN63201

# Bf 109E 1/32

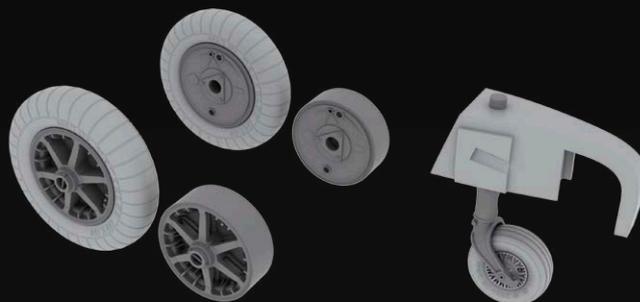
- 632003 DB 601A/N powerplant
- 632004 Bf 109E wheels
- 632009 Bf 109E MG 17 mount



Bf 109E MG 17 mount

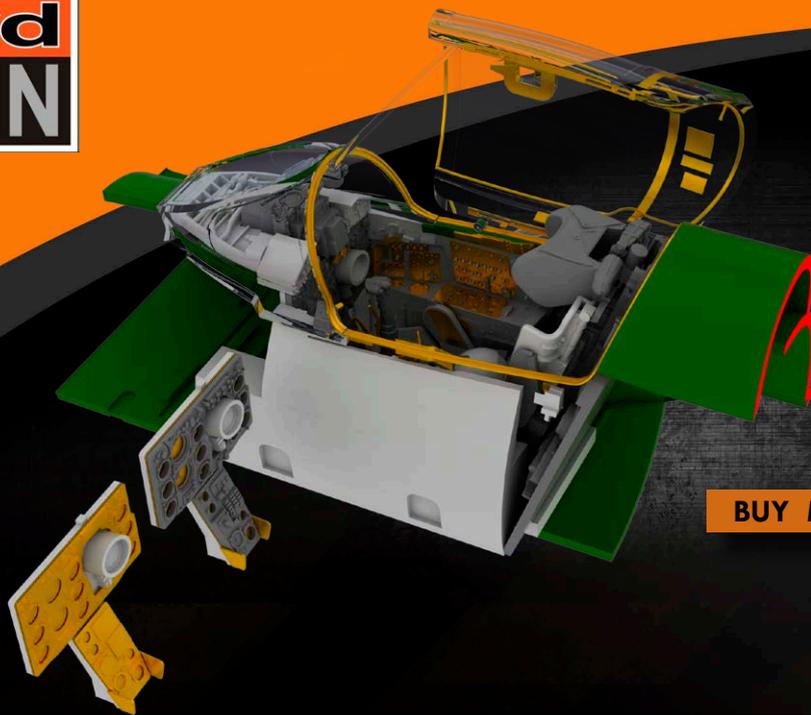


DB 601A/N powerplant



Bf 109E wheels

1/48



**648050**  
MiG-21BIS interior  
1/48 Eduard

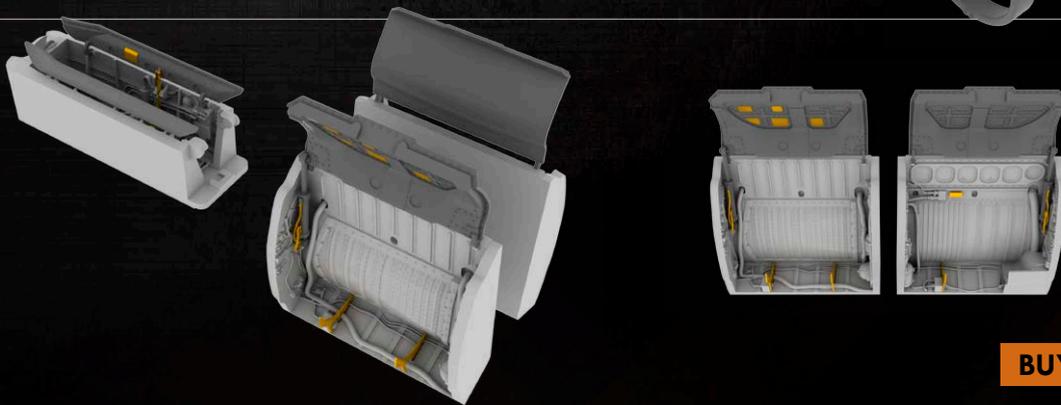
BUY MiG-21BIS interior

**648051**

MiG-21BIS exhaust nozzle  
1/48 Eduard



BUY MiG-21BIS exhaust nozzle



**648049**  
MiG-21 wheel wells  
1/48 Eduard

BUY MiG-21 wheel wells

**648046**

Rocket launcher B-8M1  
and loading cart 1/48



BUY Rocket launcher B-8M1 and loading cart

**648049**

R-27T/T1 / AA-10  
Alamo-B 1/48



BUY R-27T/T1 / AA-10 Alamo-B

# eduard

**KITS**

8261	Bf 109E-1	1/48	ProfiPACK
1160	I-16 Type 10 over Spain Dual Combo	1/48	Limited Edition
7415	F6F-5 Hellcat	1/72	Weekend
8820	PSP colour	1/48	

**PE-SETS**

144001	MiG-21MF 1/144	1/144	Eduard
17028	Admiral Hipper 1940 1/700	1/700	Trumpeter
32279	Su-25 Frogfoot weapon	1/32	Trumpeter
32286	P-40M exterior	1/32	Hasegawa
32291	Il-2m landing flaps	1/32	Hobby Boss
32299	A-4E armament	1/32	Trumpeter
32301	Bf 109G-6 exterior	1/32	Trumpeter
32713	Il-2m interior S.A.	1/32	Hobby Boss
32718	EA-18G avionic bay	1/32	Trumpeter
32726	Bf 109G-6 interior S.A.	1/32	Trumpeter
36194	ASU-85 SPG (1956)	1/35	Trumpeter
48713	Seafire FXVII landing flaps	1/48	Airfix
48716	EA-18G exterior	1/48	Hasegawa
48720	Bf 109E-1	1/48	Eduard
48723	Sea Vixen landing flaps, folded wing	1/48	Airfix
48726	P-61A exterior	1/48	Great Wall Hobby
48727	MiG-21 surface panels S.A.	1/48	Eduard
49585	EA-18G interior S.A.	1/48	Hasegawa
49588	EA-18G ejection seat	1/48	Hasegawa
53064	UKURU escort ship Type A 1/350	1/350	PitRoad
72527	Hellcat Mk.II exterior	1/72	Eduard
73397	F-86E S.A.	1/72	Airfix
73406	Hellcat Mk.II S.A.	1/72	Eduard
73416	USN Carrier Deck 1943-44 lift area	1/72	
99041	USN ship doors and windows	1/700	

99044	IJN Carrier Aircraft	1/700
99052	IJN cable reel	1/350

**ZOOMS**

33094	Il-2m interior S.A. 1/32	1/32	Hobby Boss
33100	Bf 109G-6 interior S.A. 1/32	1/32	Trumpeter
33108	A-4F interior S.A. 1/32	1/32	Trumpeter
FE585	EA-18G interior S.A.	1/48	Hasegawa
SS397	F-86E S.A.	1/72	Airfix
SS406	Hellcat Mk.II S.A.	1/72	Eduard

**MASKS**

CX303	T-33 1/72	1/72	Platz
CX304	Yak-3 1/72	1/72	Zvezda
CX308	F6F 1/72	1/72	Eduard
EX346	Hurricane Mk.I 1/48	1/48	Italeri

**BIG ED**

BIG3573	BR 86 1/35	1/35	Trumpeter
BIG3309	MiG-23ML FLOGGER G 1/32	1/32	Trumpeter
BIG3310	P-51D EARLY 1/32	1/32	Tamiya
BIG4963	F-100F 1/48	1/48	Trumpeter

**BRASSIN**

648046	Rocket launcher B-8M1 and loading cart 1/48	1/48	
648048	R-27T/T1 / AA-10 Alamo-B	1/48	
648049	MiG-21 wheel wells	1/48	Eduard
648050	MiG-21 BIS interior	1/48	Eduard
648051	MiG-21 BIS exhaust nozzle	1/48	Eduard

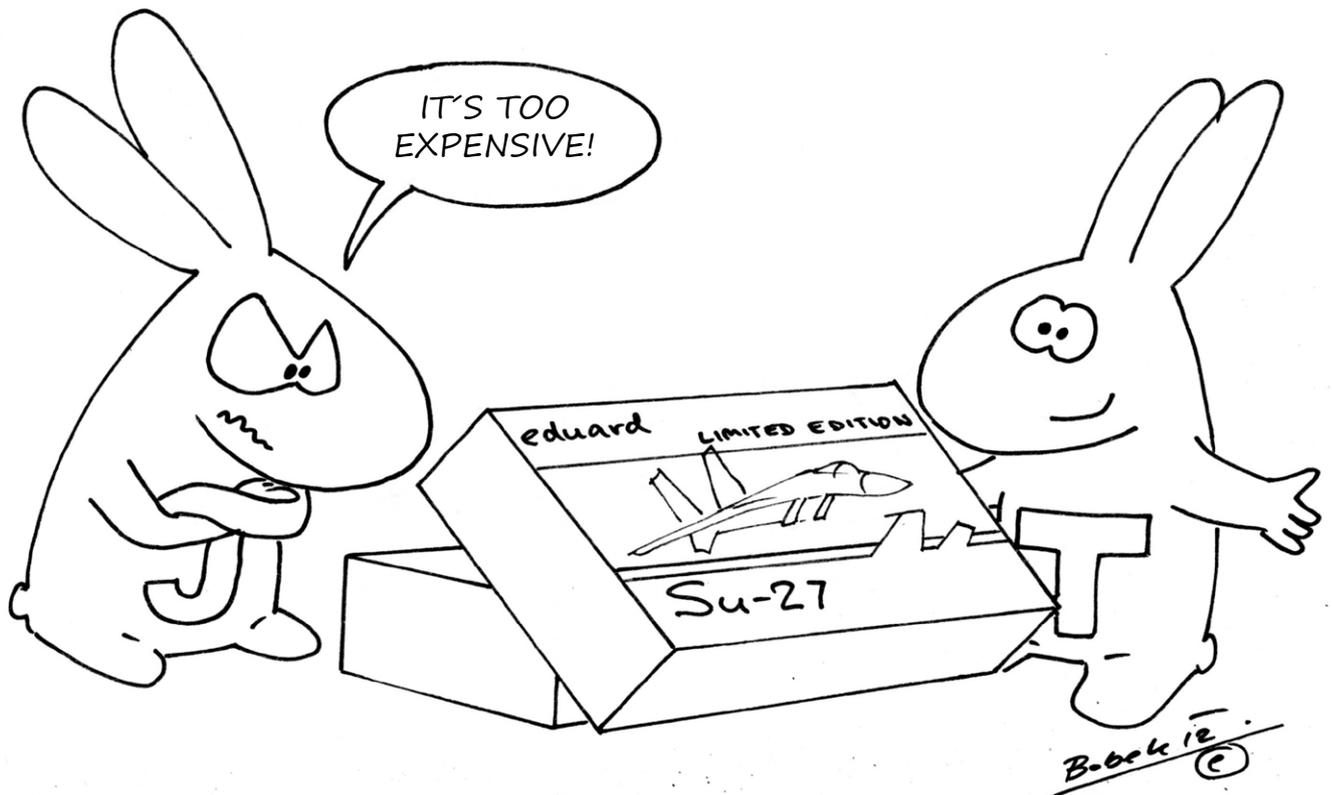
**BIGSIN**

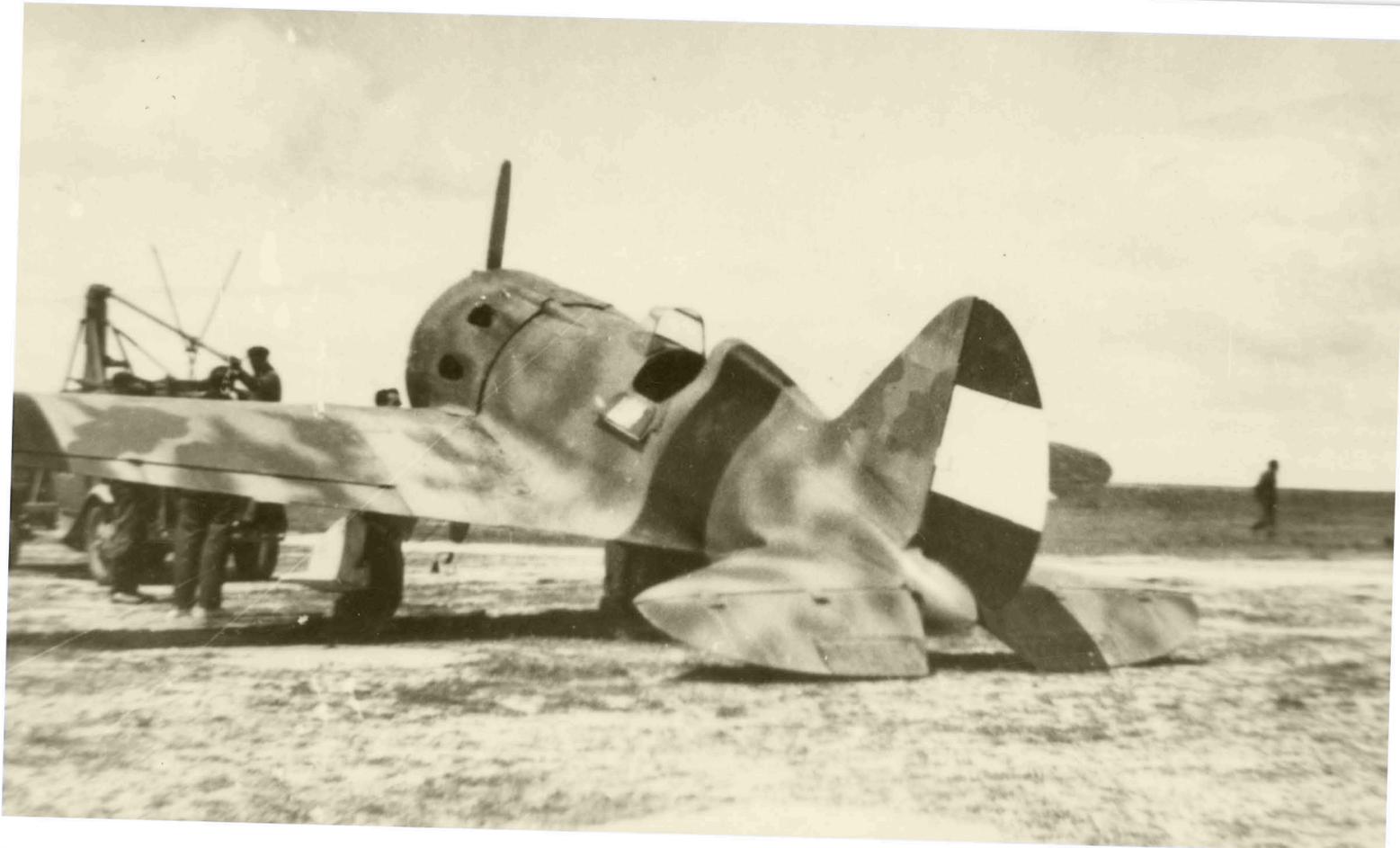
SIN63201	Bf 109E	1/32	Eduard
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## Comments and input from J&T





# POLIKARPOV I-16 IN SPAIN

by José Fernandez

The I-16 Type 6 arrived in Spain between October, 1936 and August, 1937. Some 217 aircraft of this type were delivered and among them were some UTI-4 two-seaters. They were called 'Mosca' by the airmen of the Spanish government. Mosca means 'fly' in English (the insect) and the origin of this name came from the fact that the delivered aircraft fuselages were in-

scribed with the word 'MOSCBA', the factory where they were built, and to Spanish ears this sounded like 'mosca'. This seemed an appropriated name for the aircraft and was duly adopted. The Franquists and the Germans, on the other hand, dubbed them 'Boeing' (as in their mind it was a Boeing P-26 with retractable landing gear) and later Rata ('rat' in Spanish). During the first

defense missions over Madrid, the I-16 units flew over the roofs of the city before climbing up to meet the Junkers Ju 52 bombers of the Legion Condor which were conducting bombing missions. Until then, they bombed with complete impunity. When the first fighters arrived, they used to fly very low to cheer up the Madrid population. It is said that one day, a pilot of one of these bombers told the mission debriefers of his unit that these fighters climbed at them from the city, describing that they appeared suddenly from the sewers, like rats! This was the origin of the name 'Rata' for the Germans and Franquists.

In April 1938, the Spanish Republic received its first 31 I-16 Type 10s. They were called 'Super Moscas', but most of the pilots called them the 'four machine gun Moscas'. In July, another lot of 93 Super Moscas was delivered. At the end of the year, the first batch of a dozen I-16 Type 10s was built in Spain at factory SAF-15. No more than 20 could be produced by the Republicans in Spain before the end of the war. Inclu-



Ramon Castaneda was I-16 instructor at El Carmoli airbase. He is here in front of an I-16 type 6.

Photo at the top: One of the Spanish built I-16 type 10 at the factory just before a test flight.

S Polikarpovem I-16, typ 10 "CM-262" létal Angel Sanz (3. squadrona).

ding these numbers, there were around 350 I-16s received by Spain during the Civil War, but some other sources give no more than 200 aircraft actually received.

It should be noted that the I-16s, as was the case with other aircraft types delivered by the Soviet Union to the Spanish government, were bought and paid for in cash or gold.

My friend, Angel Sanz, an I-16 pilot during the Spanish Civil War, described his experience with the aircraft in the following excerpt:

*...On October 5, 1938, I shot down a Fiat CR-32, and though the combat was over, driven away by my anarchistic state of mind, I stayed alone to see if I could 'notch' another one. I saw the squadron passing by, led by Zarauza, my group commander, but I did not feel like going back so soon.*

*In fact, Zarauza's squadron was a Messerschmitt squadron, with what I think was one Breda, but in any case, a radial engine aircraft with a white noise. That was the reason behind my mistake.*

*When I accepted the fact that I had made an error, I already had received some 150 hits to my the fuel tank, oil tank, the right aileron linkage, one bullet had grazed my right hand, and others had torn away the throttle and mixture controls.*

*To get out of this, I instigated a spin, and shut the magnetos off to avoid producing sparks and a potential fire. I was drenched with fuel and oil, but as I was deep into enemy territory, I had to climb in order to cross the Ebro. At about 1,500 meters, I cut power again to approach the Ebro in a glide. While I was crossing it, everybody shot at me, but it was my lucky day; I switched power on and off several times, and the aircraft did not explode.*

*I made it back to Reus without breaking anything, being the good lad that I am. I climbed out of the aircraft, got rid of my parachute, and before reporting to anybody, I entered a hazelnut field nearby and started jumping around and shouting things like 'Now for the bonus time'. Those motherfucking Krauts really wanted me dead. I probably spent one hour shouting, singing, and saying: 'Now it is all eborrowed time! You managed to scrape through, you schmuck!'*

*Then I dropped and fell asleep. Some two hours after landing, I woke up and decided to check on my old CM-262. All around the aircraft, a small crowd had gathered to look at it. When he saw me, one of them, with stripes,*



The barber at work on a pilot close to the aircraft. He is ready to put his flying suit and take off in case of an alert.



An I-16 Type 6 specially decorated, used after the Civil War for public aerobatic demonstrations. This photo was taken in 1939 on the Majorcan airfield of Son Bonet.



Especially decorated aircraft, used after the Civil War for public aerobatic demonstrations.



I-16 type 6 in maintenance. The machine guns have been dismounted.

asked me if I was the pilot. Considering that I was covered with fuel and oil and perfectly dirty, I figured he had to be much dumber than me, so I answered that I was not, and that I was a chocolate maker from Vallecas Bridge, on a delivery. What a schmuck, and with all those stripes, too!

Then I went to report to my wing commander. I explained I was alive and well, back with a fully riddled aircraft, but alive.

As a few hours had elapsed before I gave sign of life to my squadron, I had been reported as missing in action. My mechanic and armourer were both already mourning me...

...The I-16 Mosca, in the hands of an experienced pilot and for combat between 0 and 4,000 meters, was at that time more than a match for anyone. The Nazis and Franquists offered few elegant comments about it, but with time passing, pilots of the whole world who test-flew it also acknowledged that it had no rival as a pure fighter.

Against the Messer, in this range of altitude, we were flying within the same speeds, and the lower they got, the more the Mosca shined, as the Messer could neither lose it in a turn nor in terms of top speed. If the German pilot knew how to pray, it was initially the one recourse he really had.

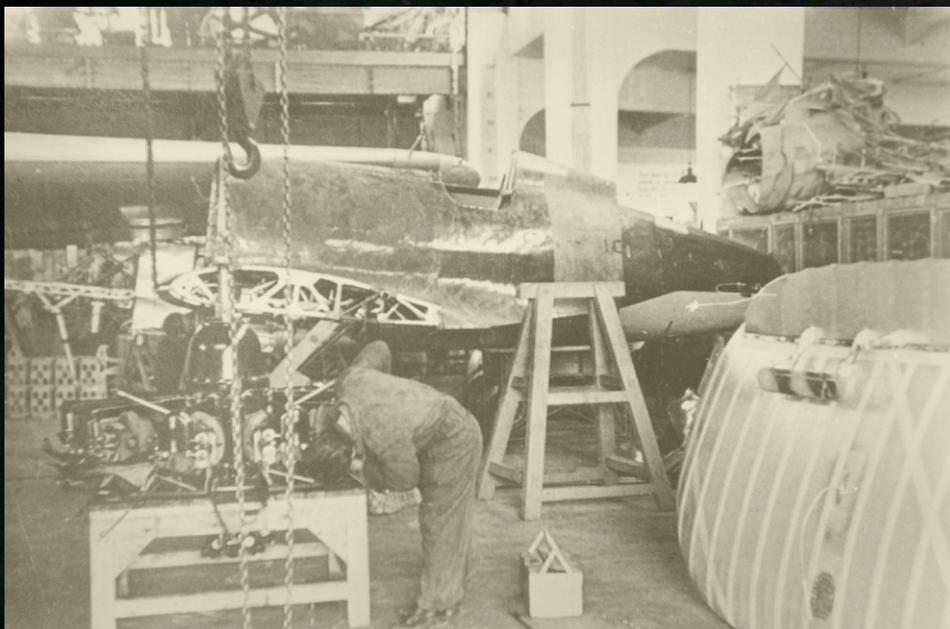
Against the Fiat CR.32, the trick consisted in not entering a dog fight, as its turning radius was less than the Mosca's, and one had to refuse horizontal maneuvering. The solution



Pedro Rueda pilot of the 4th Squadron in the cockpit of his I-16.



I-16 Type 5/6 of the 4th Squadron. Aircraft flown by Saladriga.



In the maintenance workshop a mechanic is working on an engine which has been placed on a stand.



Several Republican aircraft took refuge in the south of France after the collapse of the Catalanian front. Here two French mechanics in a photo with a Spanish I-16 Type 10.



The Spanish instructors at El Carmoli airbase in 1938.

consisted in the zoom and climb technique, waiting for a moment of distraction to slip onto the Fiat's six and shoot point blank...'

I have discussed with him a lot and till today (he is 93 years old) he is always enthusiastic when he discusses the Mosca.

After the Civil War the Ejercito del Aire (Spanish Air Force) created by the Franco authorities used the I-16s till the end of the fifties. They had no problem with spares as they used the factories and workshops which were working on I-16 production.

*Athor of this article is a chief editor of Air Magazine, French.*

*All the photos are Jose Fernandez collection. All the colour profiles are from Teodor Liviu Morosanu (copyright owner Jose Fernandez)*



Spanish built I-16 Type 10. They were delivered with this camouflage. 1938.



I-16 Type 10 of the 6th Squadron in 1938



I-16 Type 10 of Group 1-W at the Moron Fighter School in 1940-1941.



I-16 Type 10. Moron Fighter School in 1952. At this time the aircraft had been modified (fuselage at the level of the headrest) to protect the pilot.

# Bf 110C/E in MTO

1/48 EDUARD

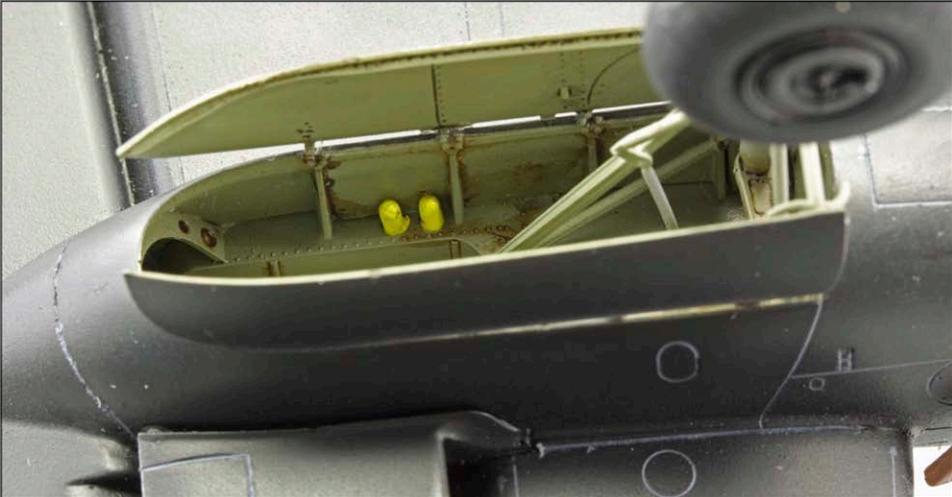


Camouflage:  
**Bf 110C-3, 235a Squadriglia, Lonate Pozzolo  
 airbase, Italy, Spring, 1943**

built by Jiri Pokorny

This airplane sports the original German camouflage scheme of RLM 70 and RLM 71 on the upper surfaces. The lower surfaces were painted black. The former German marking was overpainted using the Verde Oliva Scuro 2 colour. Note the interesting mixture of Italian and German national insignia. This airplane was flown by Capt. Arami Ammannato who downed a British Lancaster four-engine bomber on July 16/17, 1943.





# Bf 109E-1

1/48 EDUARD



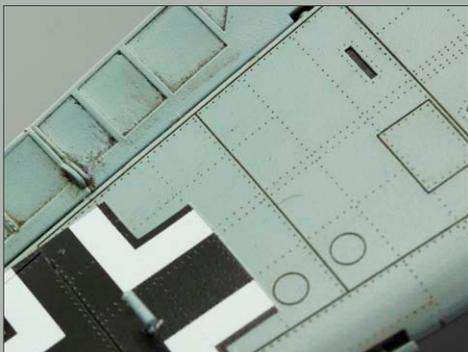
**Camouflage:**

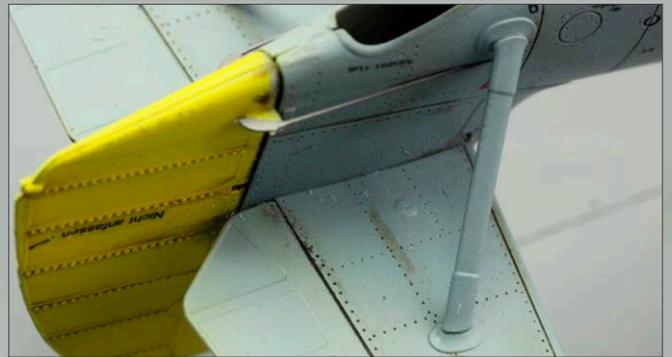
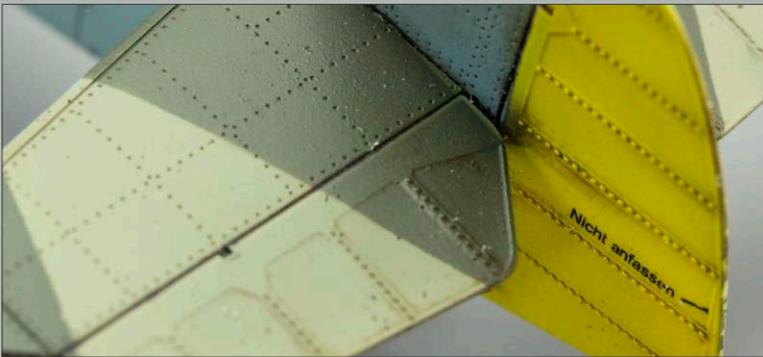
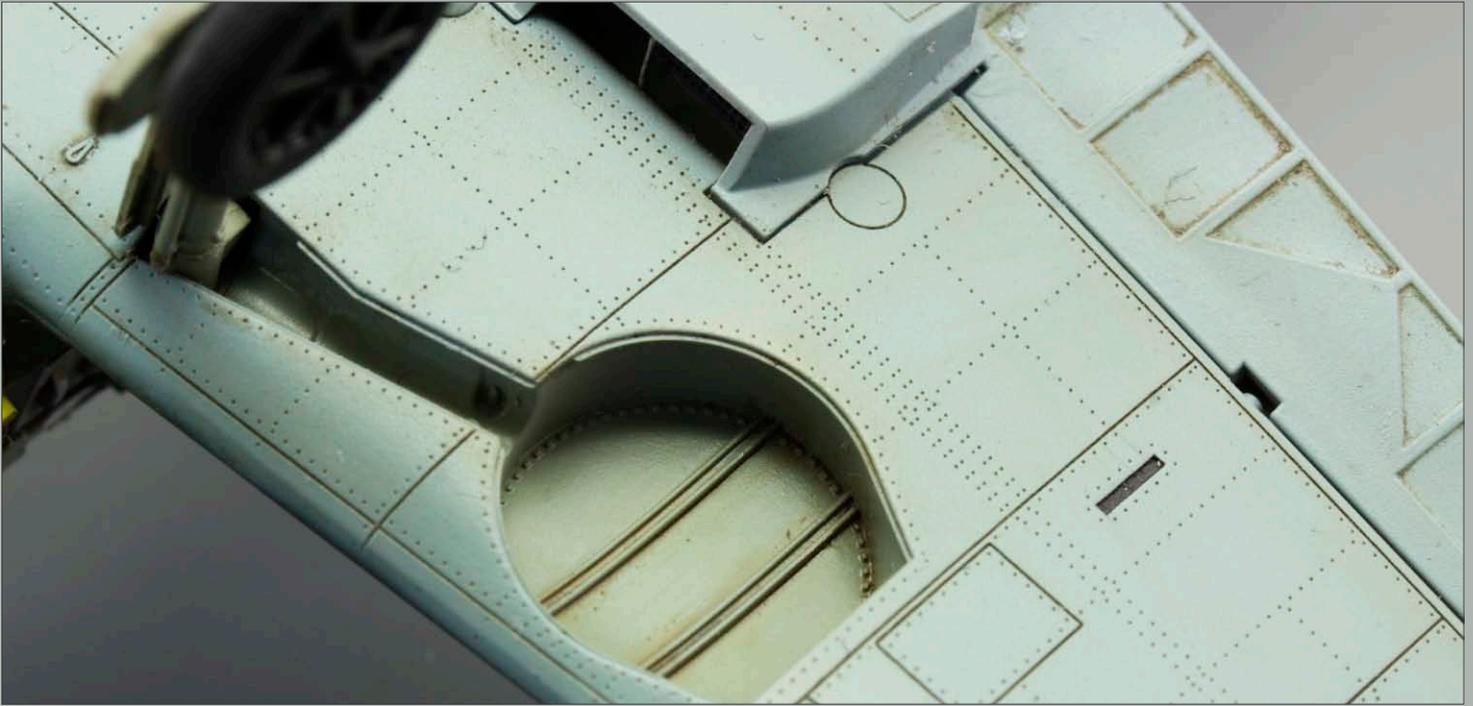
**Fw. Artur Beese, 9./JG 26, Caffiers, France, August, 1940**

built by Jiri Pokorny

This aircraft flown by Fw. Beese, was forced to put down near Calais on August 24, 1940 after combat with RAF fighters. It carried the typical camouflage scheme from the summer of 1940, comprised of RLM 02 and RLM 71 over the upper surfaces. Bottom and sides were in RLM 65. This specific scheme is an example of the unusually high and relatively sharp demarcation of the top fuselage colors. The octane marker by the filler cap is unusual in being a red-bordered yellow triangle.

The illustrated aircraft is typically depicted with a yellow cowling and rudder. Photographs at the crash scene, however, indicate that the aircraft was destroyed before these could be applied. See the profile A.





BUY Bf 109E-1 1/48



**KITS**

MARCH 2012

8172  
Fw 190A-7  
1/48 ProfiPACK



84131  
MiG-21BIS  
1/48 Weekend



1168  
Su-27UB  
1/48 Limited Edition



7416  
L-39ZO  
1/72 Weekend



**BIG ED**

MARCH 2012

- BIG3311 He 111P 1/32 Revell
- BIG3312 P-51D LATE 1/32 Tamiya
- BIG4964 MIRAGE 2000B 1/48 Kinetic
- BIG7273 F6F-3 1/72 Eduard

**eduard  
BRASSIN**

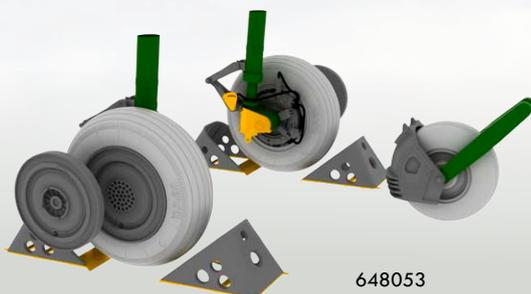
MARCH 2012

648055  
Bf 110 E/F/G main undercarriage wheels  
1/48 Eduard



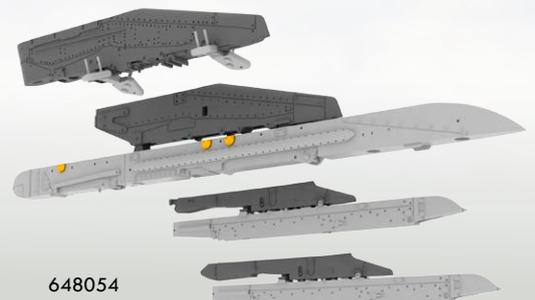
648055

648053  
Su-27 wheels  
1/48 Academy



648053

648054  
Su-25K wing pylons  
1/48



648054

## PHOTO-ETCHED SETS

MARCH 2012

## PE-SETS

144002	MiG-21SMT	1/144	Eduard	72529	Hellcat gun bay	1/72	Eduard
144003	MiG-21BIS	1/144	Eduard	72531	Ju 88A-4 exterior	1/72	Revell
32269	F-14D exterior	1/32	Trumpeter	73407	Ju 88A-4 interior S.A.	1/72	Revell
32290	Il-2m exterior	1/32	Hobby Boss	73414	Hellcat Mk.I S.A.	1/72	Eduard
32296	Spitfire Mk.Vb/ trop exterior	1/32	Hobby Boss	73418	USN Carrier deck 1942-44 lift area	1/72	
32308	Il-2m armament and bomb tails	1/32	Hobby Boss	99036	USN Carrier Aircraft WWII	1/700	
32310	F-14D undercarriage	1/32	Trumpeter	99046	IJN anchors	1/700	
32706	F-14D seatbelts	1/32	Trumpeter	99047	USN cable reel	1/700	
32707	F-14D interior S.A.	1/32	Trumpeter	99050	German doors and windows WWII	1/700	
32733	EA-18G seatbelts	1/32	Trumpeter				
32735	EA-18G interior S.A.	1/32	Trumpeter	<b>ZOOMS</b>			
32737	Spitfire Mk.Vb/ trop interior S.A.	1/32	Hobby Boss	33078	F-14D interior S.A.	1/32	Trumpeter
32738	A-4F interior S.A.	1/32	Trumpeter	33102	EA-18G interior S.A.	1/32	Trumpeter
36199	Canadian AVGP Cougar	1/35	Trumpeter	33107	Spitfire Mk.Vb/ trop interior S.A.	1/32	Hobby Boss
36201	BTR-40 APC	1/35	Trumpeter	FE577	F-5F S.A.	1/48	AFV Club
48724	Hurricane Mk.I landing flaps	1/48	Italeri	FE583	Seafire F.XVII interior S.A.	1/48	Airfix
49577	F-5F S.A.	1/48	AFV Club	FE593	UC-43/C-18 S.A.	1/48	Roden
49583	Seafire F.XVII S.A.	1/48	Airfix	FE594	Hurricane Mk.I interior S.A.	1/48	Italeri
49593	UC-43/C-18 S.A.	1/48	Roden	SS407	Ju 88A-4 interior S.A.	1/72	Revell
49594	Hurricane Mk.I S.A.	1/48	Italeri	SS414	Hellcat Mk.I S.A.	1/72	Eduard
72528	Hellcat Mk.I exterior	1/72	Eduard				



17030  
Prinz Eugen 1945  
1/700 Trumpeter



144002 MiG-21SMT  
1/144 Eduard



32707 F-14D interior S.A.  
1/32 Trumpeter



36199 Canadian AVGP Cougar  
1/35 Trumpeter



49583 Seafire F.XVII S.A.  
1/48 Airfix



49594 Hurricane Mk.I S.A.  
1/48 Italeri



32290 Il-2m exterior  
1/32 Hobby Boss



MARCH 2012

# MiG-21BIS

## Weekend

Cat.No. 84131

Camouflage:  
Izdelye 75AP, 31st „Kapos“  
Tactical Fighter Wing,  
2nd „Boszorkany“ Squadron,  
Taszár AB, September, 1991

### We recommend:

- 48718 MiG-21 BIS exterior
- 49587 MiG-21 BIS interior S.A.
- FE587 MiG-21 BIS interior S.A. Weekend
- 48704 MiG-21 ladder
- 48703 MiG-21 MF accessories
- 648051 MiG-21 BIS exhaust nozzle
- 648050 MiG-21 BIS interior
- 648026 MiG-21 wheels
- 648030 MiG-21 seat early
- 648031 MiG-21 seat late
- 648047 IAB-500 imitation atomic bomb
- 648025 Rocket launcher UB-16 and UB-32

