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Applying the Decals

You probably already know all this stuff, so feel free to use your regular process. however, if you' re new to aftermarket decals,

- Generally, use the Microscale Finishing System. We don't recommend extremely strong decal solvents such as Solvaset.
- Your model must have a smooth, glossy surface, as decals won't adhere well to matte surfaces. Use gloss paints or your favorite clear gloss overspray over matte or semigloss paint.
- Cut each subject out without trimming off the slight excess film (this helps the decal film disappear when dry).
- Put the decal in warm water that has a drop or two of liquid dishwashing soap or photo-flo for 10 seconds.
- When the decal will slide off the backing paper without forcing it, apply it to the proper position on your model. Slide the backing paper out from underneath
- Gently blot off excess water and smooth out bubbles under the decal surface. If you wish, carefully brush on a mild decal softener such as Micro-Sol.
- When all decals are completely dry, gently wash off all excess decal adhesive.
- Finally, overcoat your model with a good quality gloss coat, followed by your choice of matte or eggshell clear topcoat.

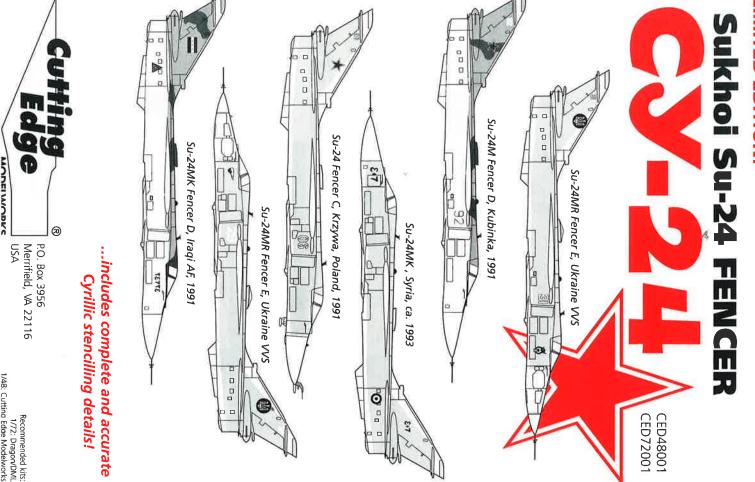
Good luck and good modeling!

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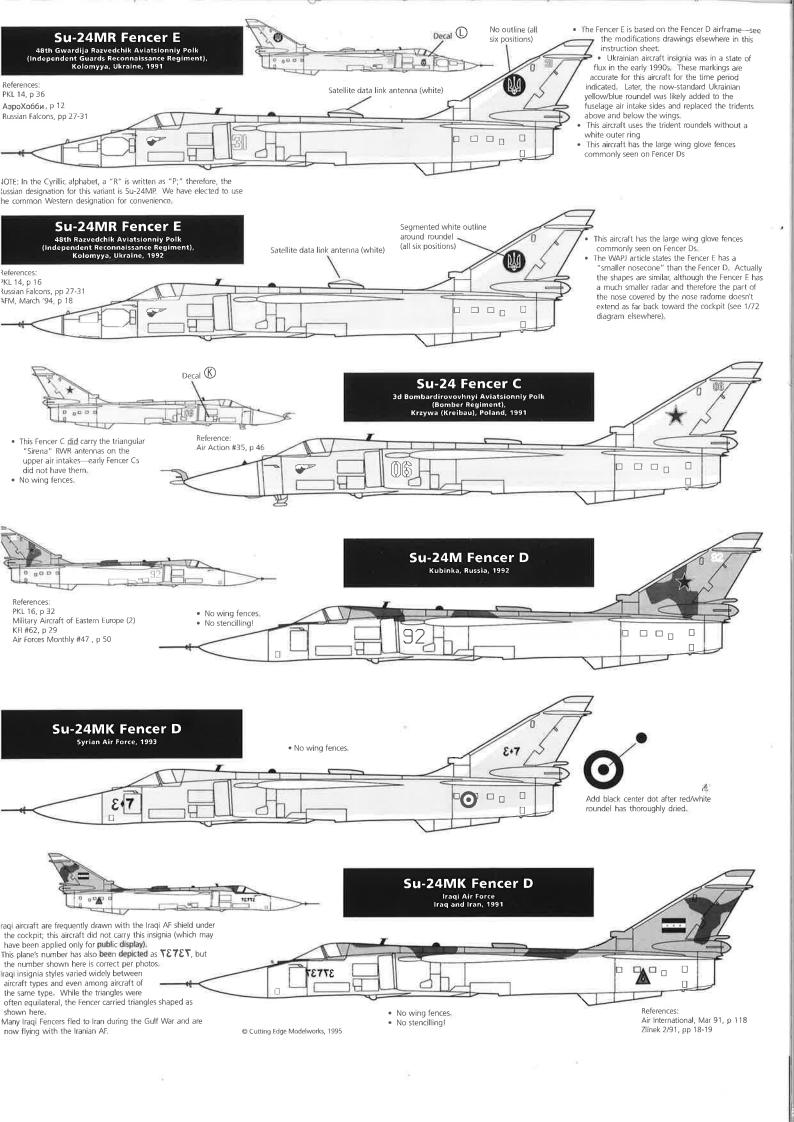


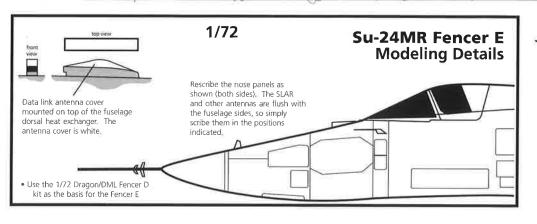
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Sukhoi Su-24 FENCER Artwork by DHK Graphics © Cutting Edge Modelworks, 1995 29 · This decal sheet contains correct Cyrillic stencilling for the Fencer. There are, however, many variations among the different models and even between different aircraft of the same type. We've tried to give you the alternative markings you might need (especially 39, 39, 49 and others). As always, check your references! Because we give you numerous stencilling variations, not all stencils are used on a single airplane (use them for another project-① 9 12 impress your friends)... 6 13 The little colored dots are described elsewhere in this instruction. MADIO S Secondo (3) BILICOXAR Gracho) (5) • There are many pattern variations between aircraft; so many that it appears no FS 20324 guidance was issued for the camouflage scheme. Two known patterns are 1 • These camouflage colors were roughly spray painted over the original gray/ FS 20045 white camouflage. The stencilling was also nearly always overpainted as well, although we've seen a photos of a couple of aircraft that had a few stencils White reapplied. 1 · Wing insignia are placed above and below each wing in the positions indicated 0 (all countries). The top points of the Russian stars are parallel to the centerline when the wings are fully forward. гвардия 0 **®** ≜ ⊙ A **41** 1 (2) The second second







Sukhoi Su-24 FENCER

CY-24

General

- The Su-24 is called the "tchemodan" (suitcase) by its Russian crews.
 The Fencer is a pretty old airplane, almost as old as the F-111. Because of this, a great deal of speculative (and wrong) information about the aircraft has been published. The information in this decal set has been taken from photos of the actual aircraft and in many cases, original Russian and Ukrainian published sources. If anyone has confirmed information contrary to what we state here, please contact us immediately!
- First test flights were in May 1970 and series production of the Fencer B was started in 1972, followed by production of the Fencer C. Design work to incorporate in-flight refueling, better avionics, guided weapons delivery systems, etc., began in 1975 and series production in 1978. The improved variant is called the Su-24M (the less capable export versions is called the Su-24MK (for kommercheski [commerciall). The Su-24MR (Fencer F) and MP (Fencer F) are variants based on the Fencer D airframe
- Wing sweep angles are 16° (takeoff and low speed), 35° for subsonic cruise, 45° for combat maneuvering,
- and 69° for supersonic dash. Two early K-36D ejection seats are fitted, which are similar to the K-36DM seats available from several aftermarket manufacturers, but have slightly different headrests. See photos of the real aircraft for a comparison.
- In recent years, the Russian/CIS air forces have had little money to spend on maintaining or improving the appearance of their aircraft (except air show performers). In fact, since 1990, most combat aircraft have gradually become rather shabby looking, much like US Navy carrier aircraft at the end of a long cruise. The planes tend to have extrernely faded paint, and spray paint touch-up is common. Touch-up colors tend to be full strength, which makes them quite a bit darker and stronger than the older paint on the
- Lotsa Dots! Our decal sheets includes a zillion colored dots of the type the Soviet/CIS air forces use to show maintenance ground crew the proper orientation for replacing removable panels—see the description box below.
- The massive horizontal stabilators use differential control. This means they can be locked together to provide normal up-down pitch control, but they also rotate separately to provide turning and banking control! Amaze your friends and dumbfound the contest judges by pointing one slightly up and one siightiy down
- The Sukhoi Archer logo (a factory inspection marking indicating "suitable for operations"), which is sometimes incorrectly called a "sniper," is always worn on the left side of the fuselage under the cockpit of Soviet/CIS Fencers, Note the red color is ALWAYS correct for the Fencer (but not necessarily for other Sukhoi aircraft—the Flanker always uses a blue archer). Drawings showing this badge on the tail are incorrect.
- · For all aircraft on this sheet, the national insignia is carried on both sides of the tail and above and below each wing
- Extra Soviet/CIS standard "maintenance badges of excellence" are included on this sheet. This badge is awarded to the aircraft (in effect, the maintenance ground crew chief) for overall maintenance excellence.



· For two-part decals, apply the background decal first, allow to dry, then

apply the top decal.

Color Cross References:

(taken from the IPMS Color Cross-Reference Guide—used with permission)

Gray/White Scheme

FS 36373 Tamiya XF5. NOTE: this color has also been described as close to FS 25107 (but lighter); this

was a match from photos with far too much blue content and isn't even close White

Any white paint (bright white with no blue or yellow) Variegated Scheme

None (Use FS 20219 with 20% white—20219 is available as Gunze Sangyo H310, Modelmaster 1742, Mr Color 310, Xtracolor X102, and others) FS 20324

FS 20045 Tamiya XF10

FS 25550 None (Xtracolor X606 with 50% white would be close)

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Air Action #35, June-July-August 1992, "Les 'Escrimeurs' de Krzywa' (The Fencers Of Krzywa), by C. Piotrowski & Robert Senkowski, pp 38-46

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Przegladu Konstrukcji Lotniczych (PKL) #14, 2/93, Su-24, by Jefim Gordon

World Air Power Journal, Vol 5, Spring 1991, "Sukhoi Su-24 'Fencer' Soviet Striker," pp 42-49, Note that although this article contains a great deal of useful information, it was written in 1990 & 1991, prior to the release of a large amount of definitive Fencer information and therefore contains a considerable number of errors—reasonable for its time, but surpassed by newer information. This article has served as a source for many other articles, so these errors appear frequently in other publications as well, World Air Power Journal, Vol 20, Spring 1995, "Red Stars Over Germany," pp 52-101, Zlínek 2/91, "Kity letounu Su-24 'Fencer'," pp 18-19

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