

M48-01

[AirDOC]

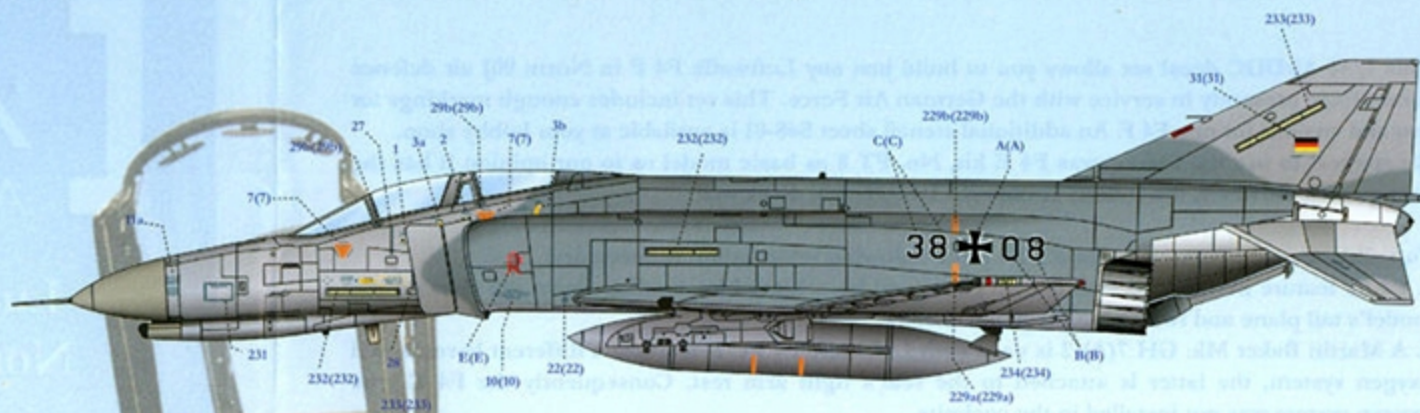
Aircraft Documentations

Luftwaffe F4 F Phantom II - Part1
Norm 90J Air Defence Camouflage



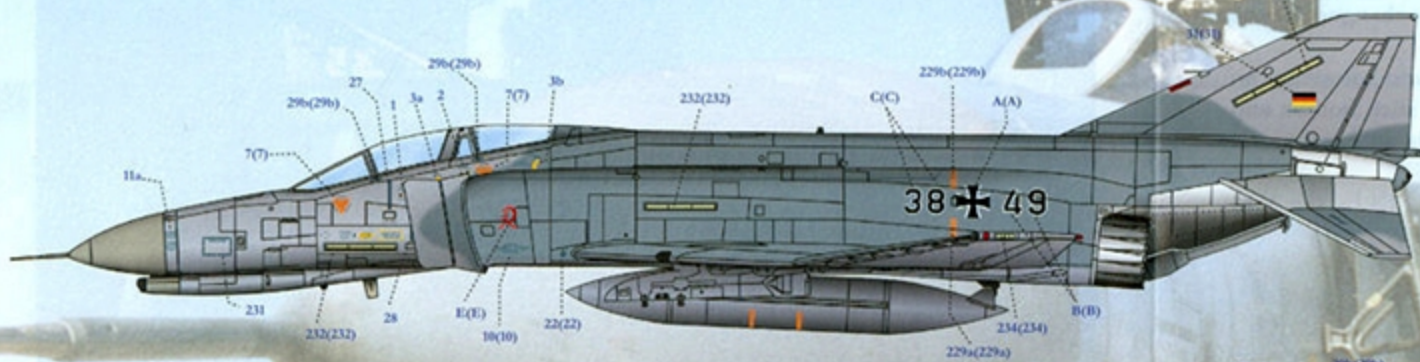
F4 F 38+08, Jagdgeschwader 71 "Richthofen", 1996

This F4 F ICE equipped with a Hughes AN/APG 65 GY multimode fire control radar, distinguishable by its light grey radom, belongs to FW 71 stationed at Wittmund AB, Northern Germany.



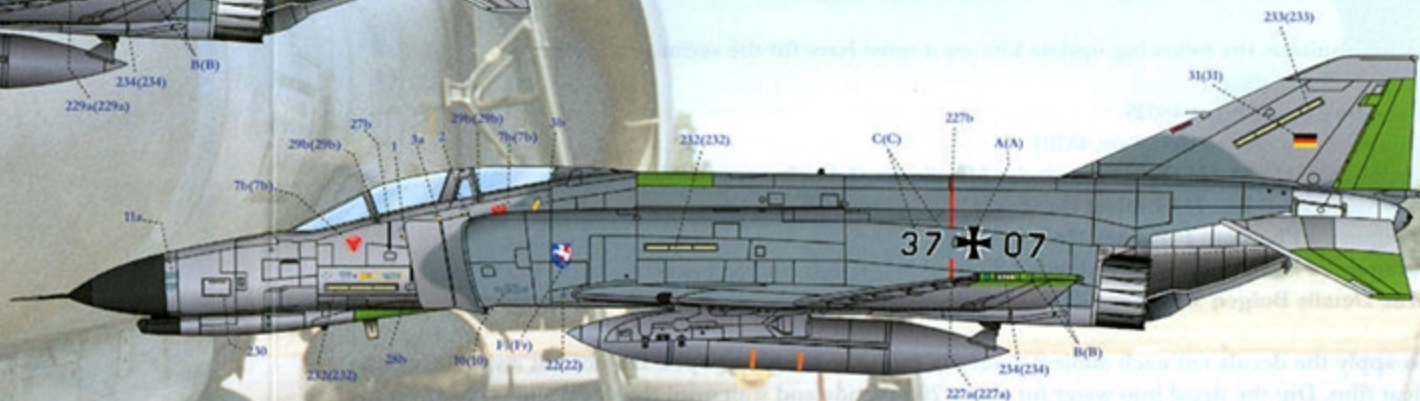
F4 F 38+49 Jagdgeschwader 71 "Richthofen", 1996

This is another F4 F ICE variant from FW 71. Their daily duty comprises QRA (I) (Quick Reaction Alert Intercept) duties, to safeguard the integrity of the German air space and/or to help other aircraft in a case of an emergency during peace time.



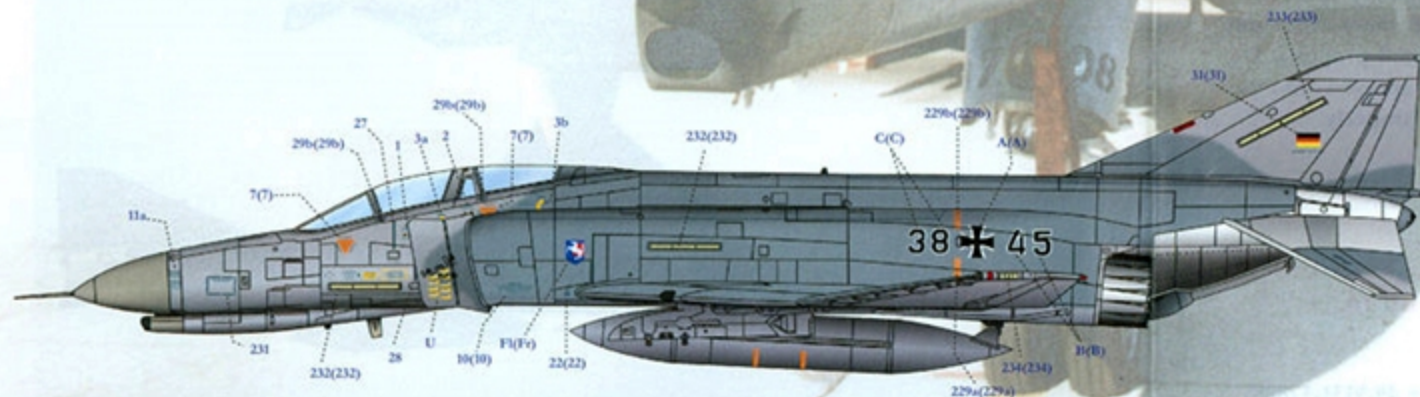
F4 F 37+07, Jagdgeschwader 72 "Westfalen", 1995

37+07 forms part of 16 F4 F at Rheine-Hopsten, which kept their APQ 120-V5 radar sets, distinguishable by their black radoms. The green ID-colouring was applied to the front main landing gear door, the wing tips, the stabilizers and the rudder.



F4 F 38+45, Jagdgeschwader 72 "Westfalen", 1995

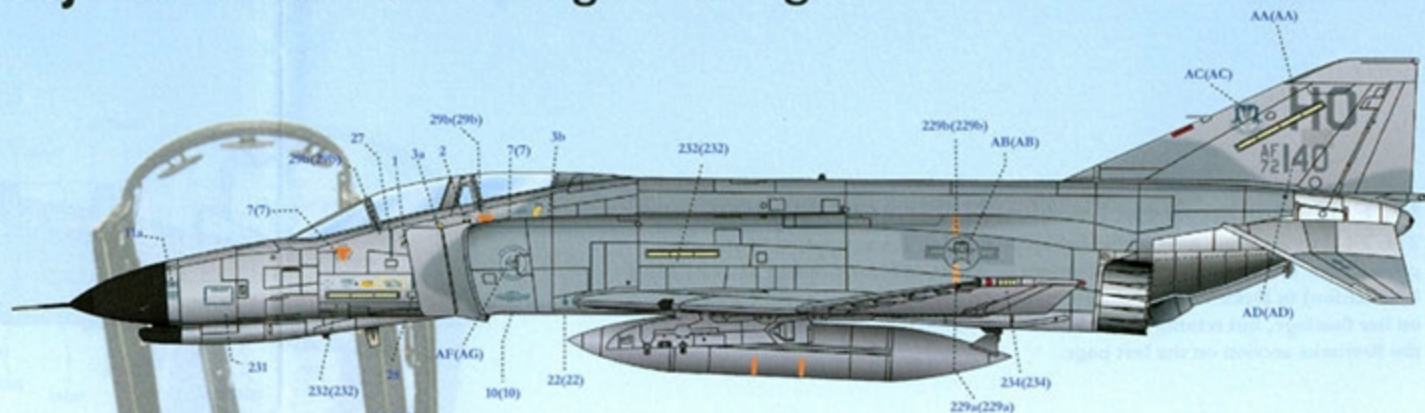
38+45 is one of 16 F4 F ICE versions at Rheine-Hopsten AB. She took part in a TLP (Tactical Leadership Program) at Florennes AB, Belgium.



F4 F 721140, 20th FS Holloman AB, New Mexico, 1997

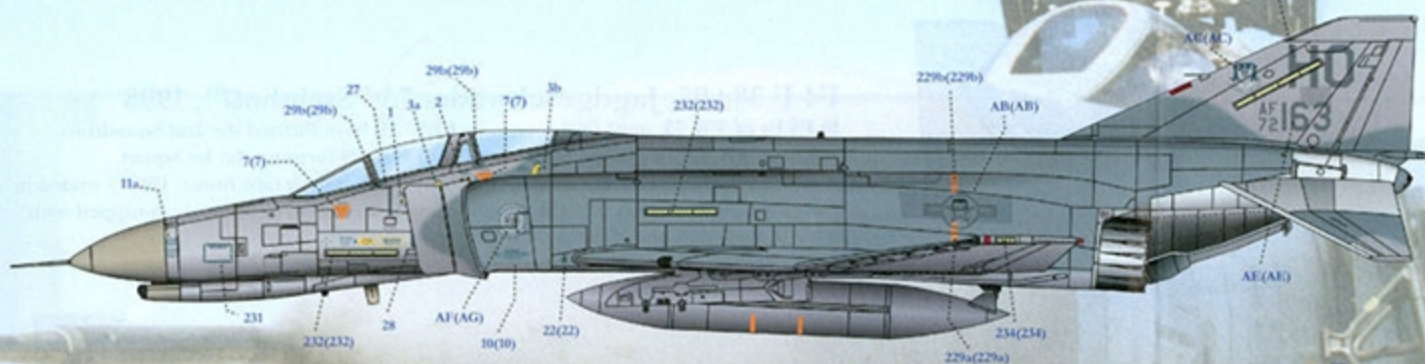
This F4 F air-to-ground variant was one of the first F4 Fs to replace the 7 remaining F4 Es in Holloman, USA, which were used for training purposes. Initially all but three aircraft being transferred from Germany retained their original camouflage. Only the German tail codes, wing insignia and the banner were painted over, which left visible marks on their Norm 90J livery.

If you are going to build one of those F4 Fs, make sure to paint the areas where the GAF codes etc. were located separately in a different shade of grey, before you apply the US insignia.



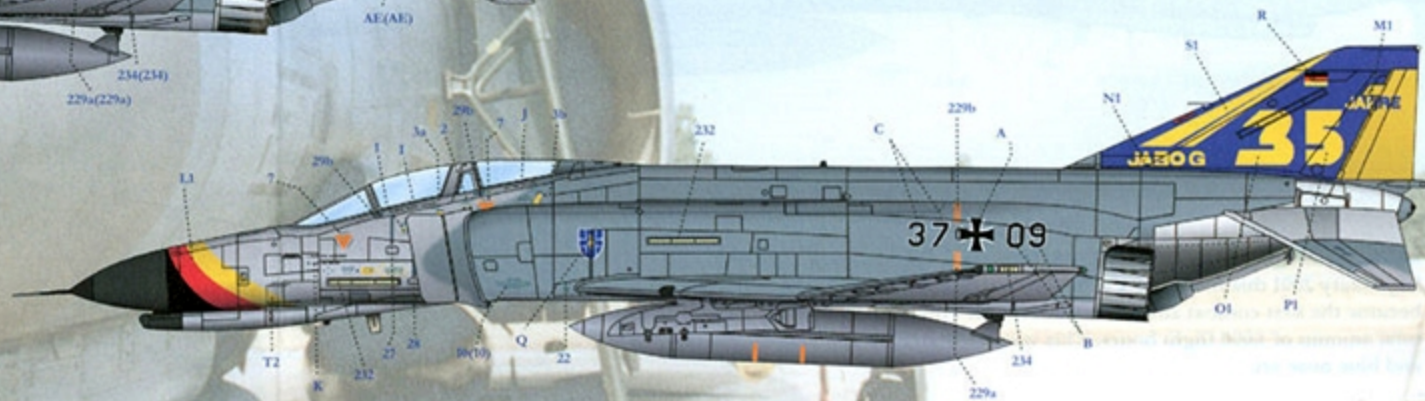
F4 F 721163, 20th Fighter Squadron, Holloman, 1997

721163 is yet another Phantom transferred to the 20th FS, 49FW, which retained their GAF livery until repainted with Hill Gray II while in the depot receiving level maintenance in late 1998. 16 air-to-ground (black noses) and 8 air-to-air (grey noses) variants are serving with the 20th FS in the USA for basic and weapons instructor courses.



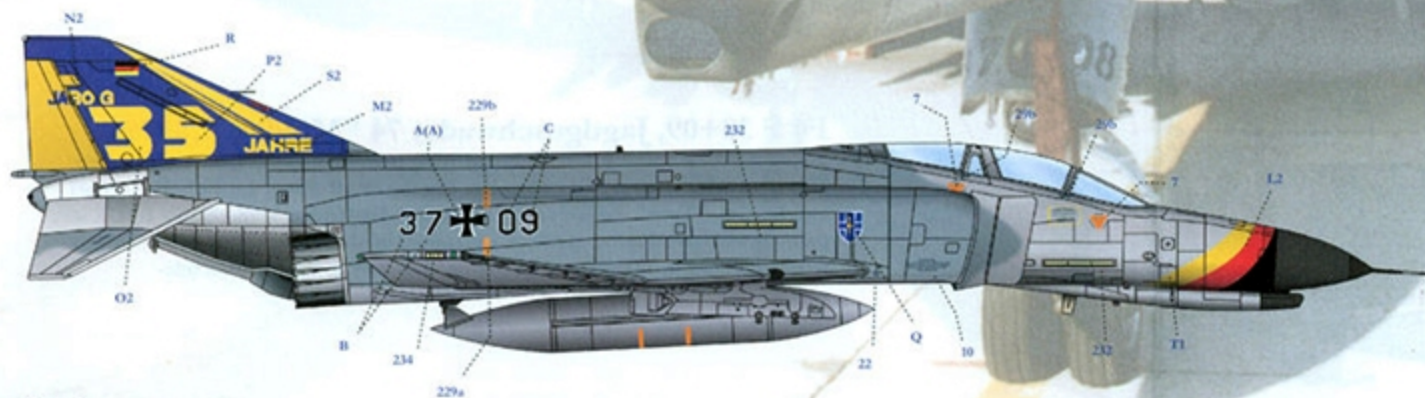
F4 F 37+09, Jagdbombergeschwader 35, 1995

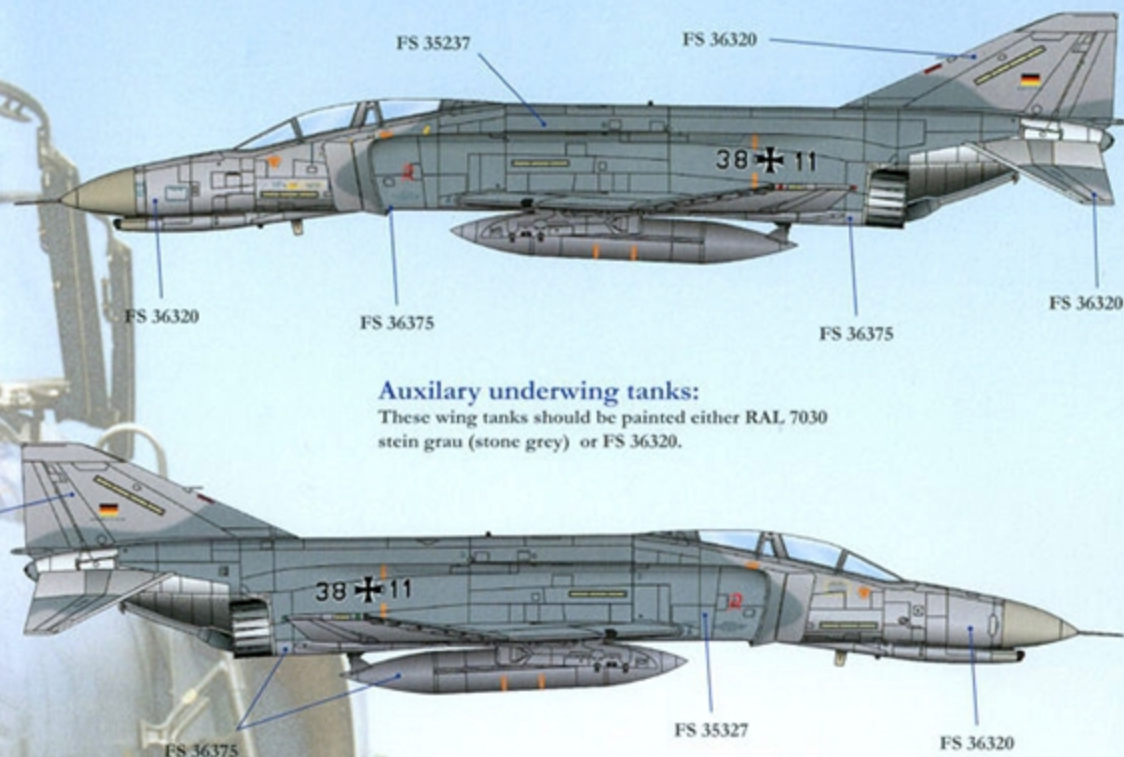
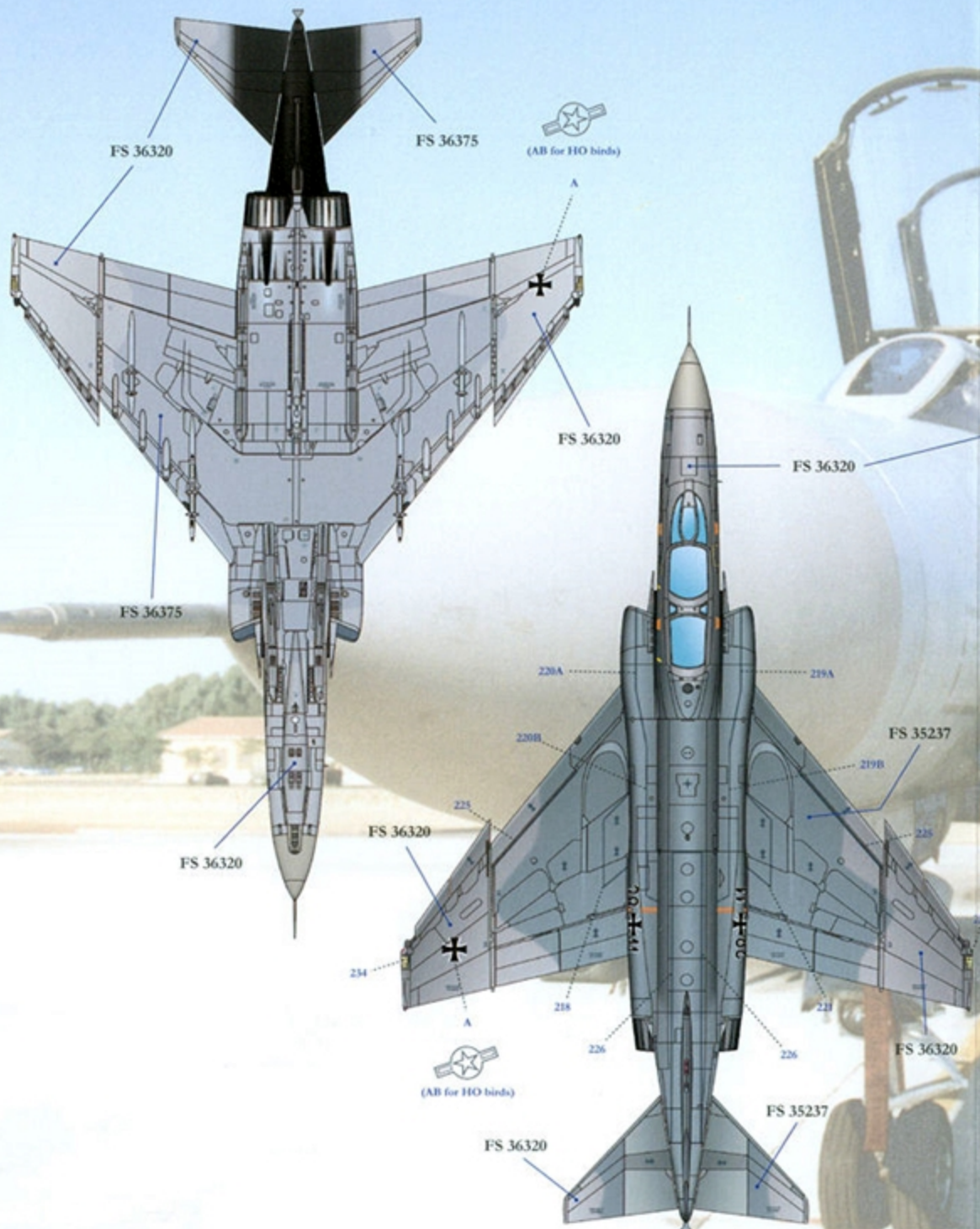
37+09 was a specially painted bird for the celebrations of the 35th anniversary of FBW 35 in 1995. Two years later on July 1st, 1997, Fighter Bomber Wing 35 was renamed Fighter Wing 73.



We recommend to paint the banner around the nose instead of applying the decal, using decals No. L1/Ls as a guide. Colors are schwarz (black), chromgelb (chromium yellow) and RAL 3000 feuerrot (F.S. 21105) (fire red). The color of the tail is RAL 5014 taubenblau (dove blue) as background color and the rudder is overpainted RAL 1007 chromgelb (F.S. 13432).

Please note that for the anniversary the formation lights on the tail were painted over. Do not use decal No. 233 with this particular aircraft.





Auxiliary underwing tanks:

These wing tanks should be painted either RAL 7030 stein grau (stone grey) or FS 36320.

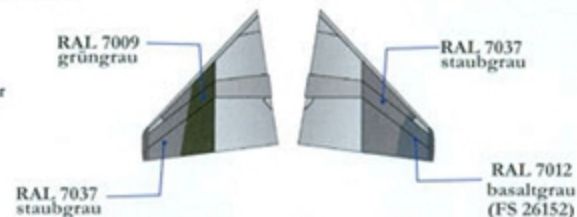
Remarks:

With this decal sheet allows you to build any F4 F Phantom II painted in Norm 90J air defence camouflage in Luftwaffe service. Some of the stencils vary in color and position, so check your references carefully, before applying them to your particular aircraft. Numbers or letters in brackets are intended to indicate the decal you have to use on the other side of the model. To simulate the grey carbon fibre material (the radoms are not painted!), it is best to apply a mixture of Humbrol 148 radom grey subbed with some white or neutral grey. If you prefer acrylics then we suggest to use Gunze H 318. The Norm 90J camouflage scheme consists of three colors, taken from the Federal Standard 595a color system. The upper fuselage color (FS 35237) forms a hard demarcation line with the lower fuselage color (FS 36375). Aft fuselage lines have their borders beginning at the titanium part of the engine area and stretching forward to the flaps, right above the rear sparrow bay. The forward line starts below the front wing leading edge and leads forward to the air inlet, parallel to the upper edge of the front sparrow bay. All other lines have a soft or feathered appearance. Whenever possible we tried to provide FS color numbering as substitute for the RAL numbers in use with most Luftwaffe camos.

Standard armament for GAF F4 Fs is: 1 ALQ 119 in the left forward sparrow bay, 2 AIM 120 in the rear sparrow bays (grey noses only!), sometimes F4 Fs may carry a third AIM 120 in the right forward sparrow bay but this is rather unusual, and 4 AIM 9L(I) on LAU 7 launchers attached to the inner wing pylons. For air-to-ground missions prior to 1997, two TERs with either 3 Mk.82, Bl. 755 or Matra FE 25 bombs were attached, additionally two AGM 65 B "Maverick", one at each inner wing pylon on a single LAU 117 launcher could be carried. In this afore mentioned air-to-ground configuration, no AIM9s for self defence can be carried. For more information check our new publication: Luftwaffen Phantoms - Die McDonnell Douglas F4 Phantom II im Dienst der Bundesluftwaffe. The 200-page book contains about 450 hitherto unpublished photographs and drawings in full color with bilingual captions in English/German and English summary.

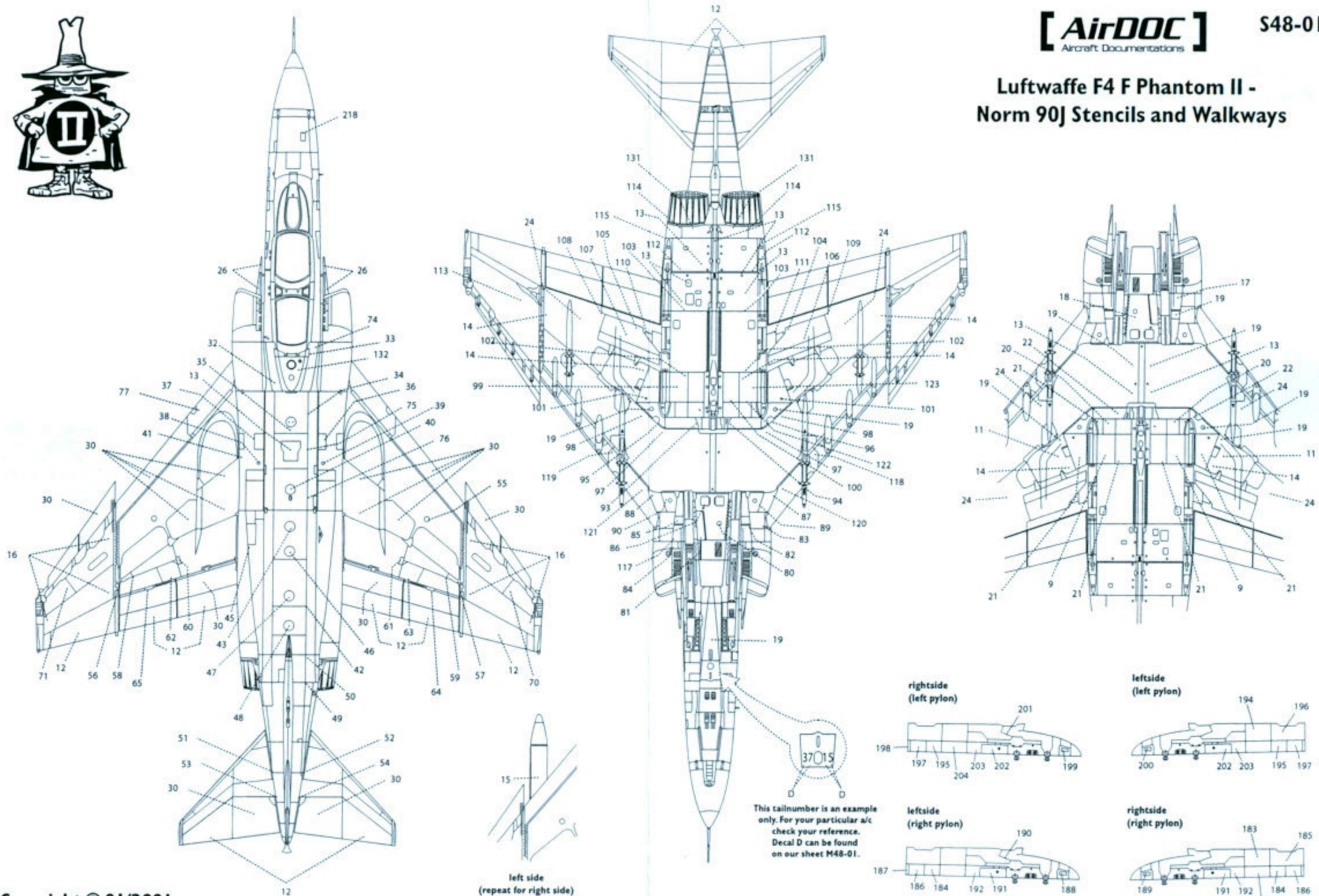
37+45

This bird of Fighter Wing 73 received Norm 90J on the fuselage and wings, their stabilators however came from another F4 F and kept their Norm 81A camouflage.

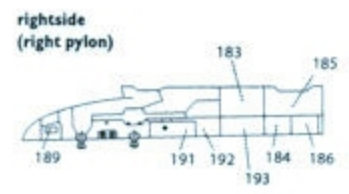
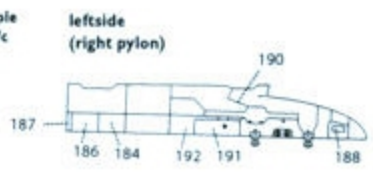
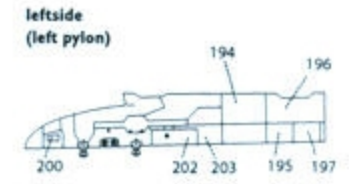
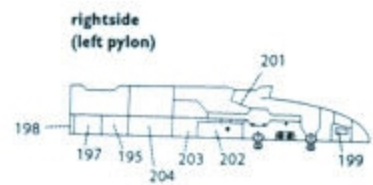




**Luftwaffe F4 F Phantom II -
Norm 90J Stencils and Walkways**



This tailnumber is an example only. For your particular a/c check your reference. Decal D can be found on our sheet M48-01.



Remarks

This 1/48 AirDOC decal set allows you to build just any Luftwaffe F4 F in Norm 90J air defence camouflage presently in service with the German Air Force. This set includes enough markings for two and stencils for one F4 F. An additional stencil sheet S48-01 is available at your hobby shop. We suggest to use the Hasegawas F4 E kit, No. PT 8 as basic model as to our opinion it has the best quality. However, the Italeri/Testors Kit F4 F/G will do as well.

To build a correct German Luftwaffe F4 F the following information is necessary:

1. F4 Fs feature non slotted stabilators. These can be achieved by sanding down the slots on the model's tail plane and rescribing the panel lines.
2. A Martin Baker Mk. GH 7(A)-2 is used with Luftwaffe F4 Fs. It features a different harness and oxygen system, the latter is attached to the seat's right arm rest. Consequently the F4 E type oxygen system was not installed in the cockpits.
3. After 1978 the lower UHF antenna on the main front landing gear door was exchanged for the blade antenna of the XT-2000 emergency radio.
4. Luftwaffe Phantoms only carry TERs (Triple Ejector Racks) for air-to-ground missions, no MERs were obtained. Normally French Matra FE 25 retarded bombs, MK. 82 slick bombs and British BL.755 cluster bomb units were used. When a full load of three bombs is attached to the TERs on both inner wing pylons, no AIM9s for self defense can be carried.
5. During the early 1980s, while the Peace Rhine updates were fitted to all surviving F4 Fs, the Aero 3B launch rails were exchanged for the LAU 7 FRG rails.

In our opinion the following update kits are a must have for the serious modeler:

Black Box Cockpit set 48029

Eduard photo etched detail set 48101

Flightpath AIM-9L/M/R/S Sidewinder Missile set (LAU 7s are included)

Flightpath RAF BL. 755 Cluster Bomb set

Paragon F4 Phantom Flaps set 4883

Paragon F4 E/F/G Inboard Extended Slats

True Details Bulged Wheel set 48043

To apply the decals cut each subject carefully from the backing paper. Do not cut away the excess clear film. Dip the decal into water for about 20 seconds and wait until the decal slides easily on the backing paper. Do not pull or push the decal before the adhesive has completely dissolved, otherwise it might be ruined. You may use a setting solution but this is not necessary. After the decal is applied to the model's surface, wait several hours until it has set and dried properly. Do Not Touch It Prior! Depending on the surface's quality, a gloss varnish should be sprayed onto the model prior to the application of the decals so the clear excess film will disappear properly.

Happy Decaling!

This set is for the experienced modeler only and should be kept out of reach of little children. Not suited for children under the age of 14.