

# MODEL ALLIANCE

DECALS

## UK AIR ARM UPDATE

### 2005-2006 - PART II

Tornado F3, Harrier GR7, Harrier T-10, Hawk T.Mk1A  
Eurocopter AS 350 Squirrel & Westland Puma



Aviation Workshop  
Publications Ltd

SHEET No  
MA-72151  
MA-48151

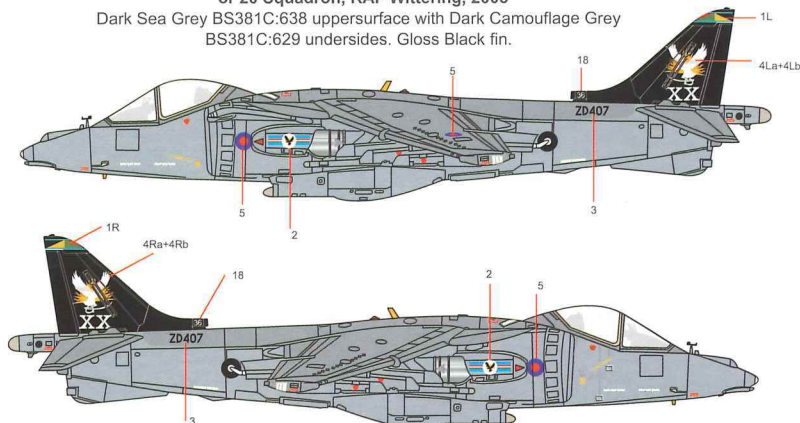
# UK Air Arm Update 2005-2006 - Part II

Recommended Accessories for the Harrier GR7/9 & T.10  
1/72 Scale - Model Alliance CS-107 Vinten Recce Pod  
Model Alliance CS-108 1000Lb Bombs  
Model Alliance CS-111 CVR-7 Rocket Pods  
Model Alliance CS-112 Tiald Pod  
Model Alliance CS-116 Paveway II 2000Lb Bombs  
Model Alliance CS-38 100% LERX

Our thanks to Dale Clarke, Daniel J Calvert, Mark Rolfe, Glenn Sands, John Kite, Simon Fisher, 33 Squadron, 43 Squadron, 208 Squadron and RAF Strike Command for help with information and pictures to complete this decal sheet.

## BAe Systems Harrier GR7, ZD407, flown by Flight Lieutenant C.P Rogers or 20 Squadron, RAF Wittering, 2005

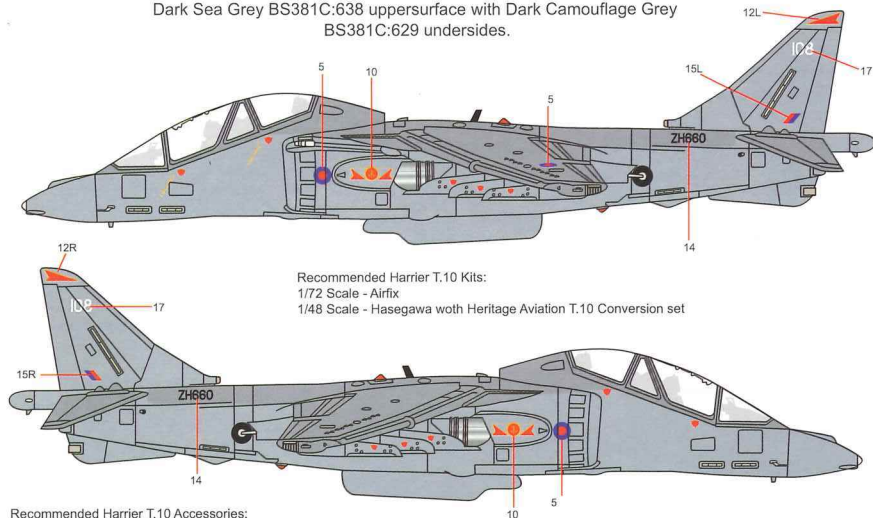
Dark Sea Grey BS381C:638 uppersurface with Dark Camouflage Grey  
BS381C:629 undersides. Gloss Black fin.



**Harrier GR7 & T.10 Detailing:** Interior Cockpit colour is Dark Admiralty Grey. Instrument panels are Grey with Black dial and switch and panels. Panels have Grey switches and reference to World Air Power Journal and Harrier Inside-Out books is recommended. Martin Baker Mk 12 Ejector seats have Black frames, with Yellow/Black ejector handles below the seat cushion. Cushion seats are generally Dark Green with the head box cushion Dark Black/Grey. Lower belts are either RAF Blue or Golden Brown with head box restraining straps in Golden Brown. Undercarriage legs are Light Aircraft Grey. Wheel bay interiors are Light Aircraft Grey but get very dirty. Air brakes/ speed brakes are Light Aircraft Grey internally.

## BAe Systems Harrier T.10, ZH660-108 of 800 NAS, Royal Navy, Cottesmore, June 2006 New RN Scheme

Dark Sea Grey BS381C:638 uppersurface with Dark Camouflage Grey  
BS381C:629 undersides.

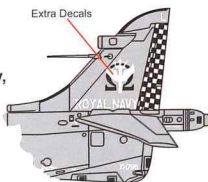


Recommended Harrier T.10 Kits:  
1/72 Scale - Airfix  
1/48 Scale - Hasegawa with Heritage Aviation T.10 Conversion set

Recommended Harrier T.10 Accessories:  
1/72 Scale - Airwaves Martin Baker Mk 12 Ejector Seat  
Model Alliance Dropped wing flap set  
1/48 Scale - Airwaves MB Mk 12 Ejector Seat

## BAe Sea Harrier FA2, ZH796 of 801 NAS, Royal Navy, Yeovilton 31st March 2006.

The last scheme worn by the Sea Harriers  
Amendment decal for Model Alliance Decal sheet  
MA-137 / UK Air Arm Update Part I.



### Important Note

The modeller is advised to use the donor kit  
kit stencils to complete the models included  
on this decal sheet.

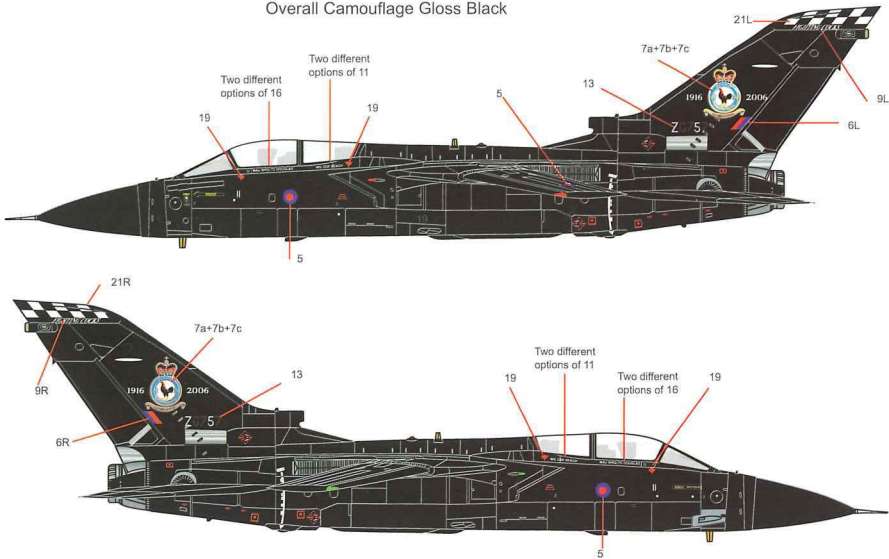
Model Alliance have however previously  
released stencil sets for a number of these aircraft,  
for the BAE Hawk use sheet MA-72116 or MA-48116,  
for the BAE Harrier use sheet MA-72111 or MA-48111,  
for the Panavia Tornado F.3 use sheet MA-72111 or MA-48111



# UK Air Arm Update 2005-2006 - Part II

SHEET No  
151

Panavia Tornado F3, ZG757, of 43 Squadron RAF Leuchars 2006  
Wearing the short lived RAF 90th Anniversary Scheme  
flown by Wing Commander Beach  
Overall Camouflage Gloss Black



**Tornado F3 Detailing:** Interior Cockpit colour is Dark Admiralty Grey.

Instrument panels are Grey with Black dial and switch and panels. Panels have Grey switches and reference to World Air Power Journal and On-Target 'Spot Light' books are recommended. Martin Baker Mk 10A Ejector seats have Dark Grey frames, with Yellow/Black ejector handles below the seat cushion. Cushion seats are generally Dark Green with the head box cushion Dark Black/Grey. Lower belts are either Dark Green or Blue, upper straps in Dark Green with head box restraining straps in Dark Green. Undercarriage legs are Glossy White. Wheel bay interiors are Glossy White but get very dirty. Air brakes/ speed brakes are Glossy White internally. Undercarriage doors internally are Glossy White.

Recommended Tornado F3 Accessories:

- 1/72 Scale - Model Alliance CS-110 Hindenburger Fuel tanks
- Model Alliance CS-114 Tornado F3 update set
- Model Alliance CS-106 DATA link pod

Recommended Kits:

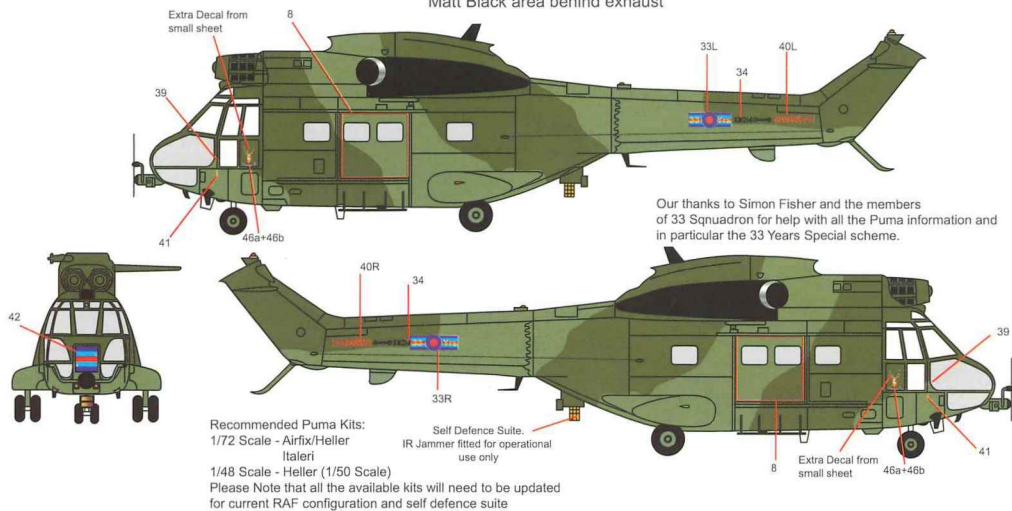
- 1/72 Scale - Hasegawa or Airfix
- 1/48 Scale - Italeri or Airfix

Eurocopter Squirrel HT.1, ZJ265 - 65 of Defence Helicopter Flying School, RAF Shawbury 2006  
Painted in Gloss Black with BS381C:356 Golden Yellow engine housing  
and rotor head

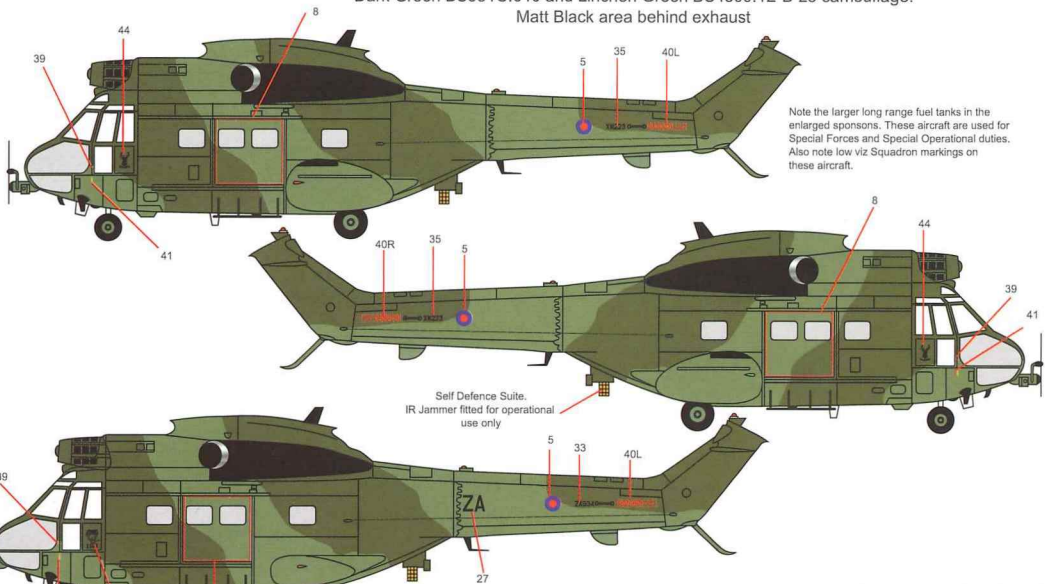


Recommended Squirrel Kits:  
1/72 Scale - Miku Resin  
1/48 Scale - Heller (1/50 Scale)

**Westland Puma HC.1, XW214 of 33 Squadron '33 Years of the Puma on 33 Sqn' Special , RAF Benson 2004**  
 Dark Green BS381C:640 and Linchen Green BS4800:12-B-25 camouflage.  
 Matt Black area behind exhaust



**Westland Puma HC.1, XW223 of 33 Squadron 'Special Force Duties', RAF Benson 2006**  
 Dark Green BS381C:640 and Linchen Green BS4800:12-B-25 camouflage.  
 Matt Black area behind exhaust



**Westland Puma HC.1, XA934 - ZA of 1563 Flight RAF during Operation Telic 2003/2004**  
 Dark Green BS381C:640 and Linchen Green BS4800:12-B-25 camouflage.  
 Matt Black area behind exhaust



**Puma Detailing:**

Front Cockpit - Interior Cockpit colour is Black including walls, floor, instrument panels and all peddles, sticks etc. The seat frames are Dark Grey with faded Medium Grey back cushions and RAF Blue Grey seat cushions. Seat belts are Black with anodized silver buckles.

Rear Cabin has quilted walls which are very near to Dark Admiralty Grey with a slight sheen effect. Floors have been seen in RAF Blue Grey and Black. These weather very quickly. Rear cabin seats have been seen in RAF Blue Grey, Black and Tan. Belts Undercarriage is Dark Grey with polished silver hydraulic rods. Undercarriage bays and lifting hook bays are Black internal finish.

Wire and plastic rod bent to shape

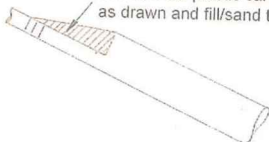


Sketch No 3

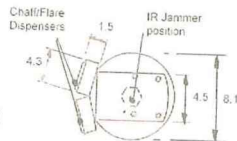
New ESM boxes.  
 1/72 Scale 2.5mm Sq x 2.5mm

Nose mounted RWR with new ESM/MAWS boxes either side.

Rotors: Add plastic card infill as drawn and fill/sand to finish.



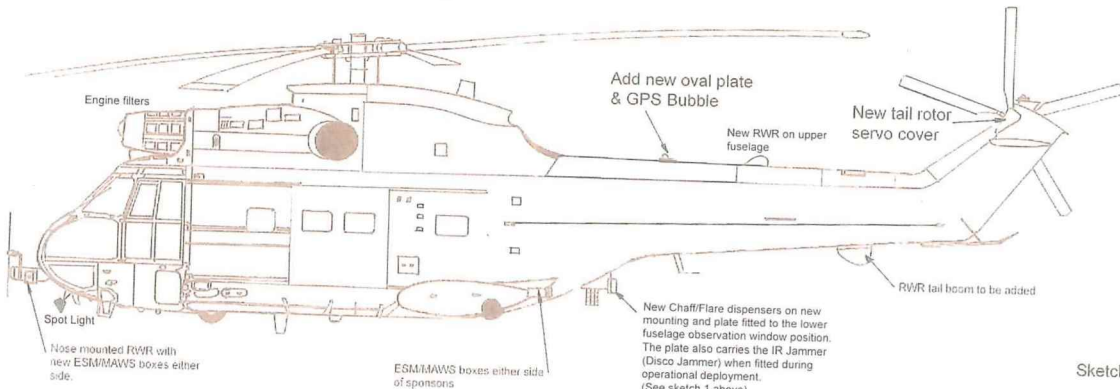
Sketch No 4.



Sketch No 1



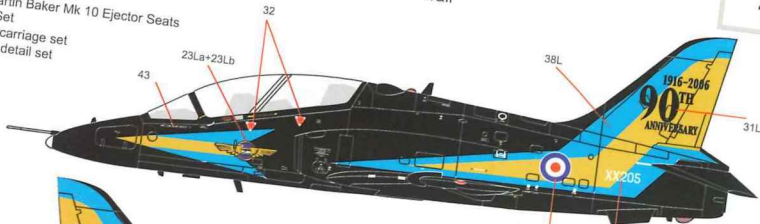
IR Jammer  
 (Known as Discos  
 Jammers. Available in  
 1/72 Scale From  
 Model Alliance)



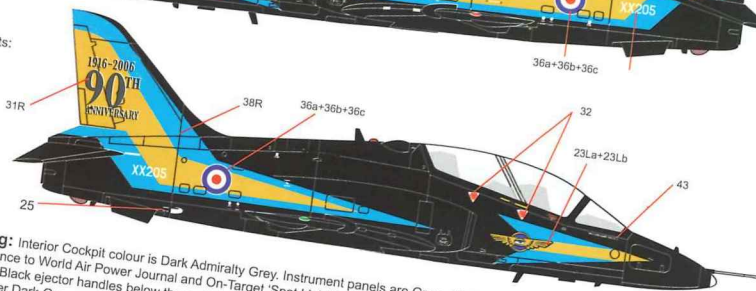
Sketch No 2

**BAe Systems Hawk T.1A, XX205 flown by Wing Commander Gary Kelly  
of 208 (R) Squadron, RAF Valley 2006.  
208 Squadron '90th Anniversary' Scheme  
Gloss Black overall**

Recommended Hawk T.Mk1 Accessories:  
1/72 Scale - Model Alliance Dropped Wing flaps  
Model Alliance DATA Link pod  
Model Alliance Martin Baker Mk 10 Ejector Seats  
Flightpath Detail Set  
Aires Resin Undercarriage set  
1/48 Scale - Neomega Cockpit detail set

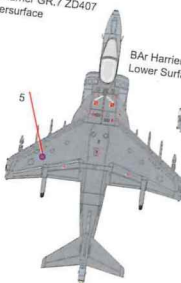


Recommended Hawk T.Mk1 Kits:  
1/72 Scale - Airfix  
Italeri  
Revell  
1/48 Scale - Airfix

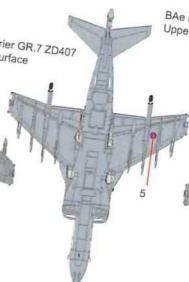


**Hawk Detailing:** Interior Cockpit colour is Dark Admiralty Grey. Instrument panels are Grey with Black dial and switch and panels. Panels have Grey switches and reference to World Air Power Journal and On-Target 'Spot Light' books are recommended. Martin Baker Mk 10 Ejector seats have Dark Grey frames, with Yellow/Black ejector handles below the seat cushion. Cushion seats are generally Dark Green with the head box cushion Black/ Dark Grey. Lower belts are either Dark Green or Blue, upper straps in Dark Green with head box restraining straps in Dark Green (Note that the Head Box on the MB Mk 10 ejector seat was revised in the mid 1980's. Early Camouflaged and Red/White/Grey aircraft would have had the early type head box). Undercarriage legs are Glossy Light Aircraft Grey. Wheel bay interiors are Glossy Light Aircraft Grey but get very dirty. Air brakes/ speed brakes are Semi Gloss Light Aircraft Grey internally. Undercarriage doors internally are Glossy Light Aircraft Grey.

BAe Harrier GR.7 ZD407  
Uppersurface



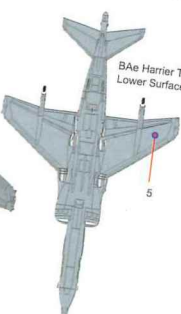
BAe Harrier GR.7 ZD407  
Lower Surface



BAe Harrier T.10 ZH660  
Uppersurface



BAe Harrier T.10 ZH660  
Lower Surface



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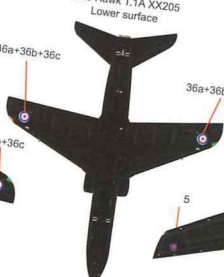
Squirrel HT.1 ZJ265  
Undersurface



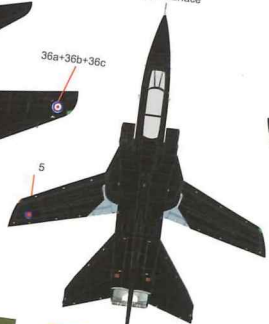
BAe Hawk T.1A XX205  
Uppersurface



BAe Hawk T.1A XX205  
Lower surface



BAe Tornado F.3 ZG757  
Uppersurface



BAe Tornado F.3 ZG75  
Lower Surface



Dark Sea Grey  
BS381C:638  
Xtracolor X004  
Xtracrylix XA1004  
Humbrol 164  
Lifecolor UA108

Gloss Black  
BS381C:642  
Xtracolor X012  
Xtracrylix XA1012  
Humbrol 21  
Lifecolor LC02  
Model Master 1749

RAF Lichen Green  
BS4800 12-B-25  
Xtracolor X024

RAF Dark Green  
BS381C:641  
Xtracolor X001  
Xtracrylix XA1001  
Humbrol 163

Golden Yellow  
BS381C:356  
Xtracolor X019

Camouflage (Barley) Grey  
BS381C:626  
Xtracolor X017  
Xtracrylix XA1017  
Humbrol 167  
Lifecolor UA079

Light Aircraft Grey  
BS381C:627  
Xtracolor X015  
Xtracrylix XA1015  
Humbrol 166  
Lifecolor UA025



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### **Decals Instructions:**

These decals are a high quality product produced for Model Alliance Decals - UK by Fantasy Print Shop. The decals are very thin but very strong and flexible.

1. Before painting the model, clean with 'Model Wipes'. This cleans the grease and any dust from the surface.
2. We recommend that you wear 'Model Gloves' to handle the model whilst preparing it for painting.
3. For best results, spray the model with a Light Grey primer, any defects can then be made good.
4. For demarcation and camouflage lines, we recommend that you use Masking Film.
5. If you wish to use a decal fixing and finishing system, we recommend you use the Microscale System, do not use strong decals solvents such as Solvaset.
6. Once you are happy with the painting of the model, coat it in a clear gloss finish, this can either be over the entire model if the model is finished glossy or spot gloss finish in the areas that have a decal. A good surface finish are clear floor shine's such as Johnson wax - Klear. This is sold under different names around the world. Klear can be either brushed on or sprayed.
7. Cut each decal from the sheet as needed. Do not trim the clear varnish finish to close to the decal. Submerge the decal in warm water for about 10 seconds and remove to a flat surface and wait for the decal to release from the backing sheet. A small amount of washing up liquid in the warm water helps the decal release from the sheet.
8. These decals do not require a decal setting solution to lay flat or to conform to the model contours.
9. With a pair of tweezers to hold the backing sheet, slide the decal in position on the model using a small soft brush. Do not use an old painting brush as bits can get under the decal.
10. Carefully remove any excess water with a soft cloth or tissue once you are happy with the position of the decal. Should you make a mistake, dip a brush in the warm water and ease under the edge of the decal. The decal will then easily move to the correct position and again remove the excess water.
11. When the decals are completely dry, gently wipe off all excess decal adhesive.
12. Leave the model to dry completely, spray or paint over the decals with a further coat of Klear or gloss.
13. Should the decal silver for any reason, this is because small air bubbles are under the decal. If found, prick with a pin and apply a small drop of Micro Sol to the decal and allow to dry for up to 12 hours.
14. Finally, coat the model with the required finish, either gloss, semi gloss or matt.
15. Decals are best stored flat and in a cool, dry place and should not be stored in direct sunlight, hot or humid conditions.
16. Should you have any problems with these decals please contact us at the address below.



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