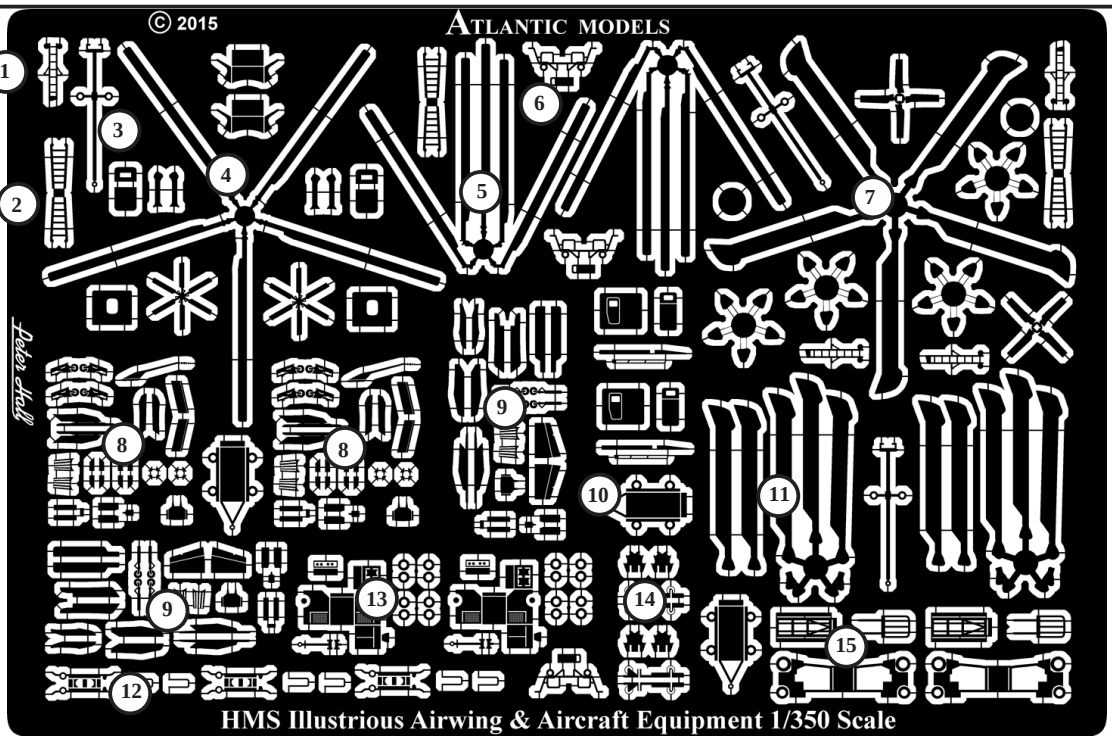
HMS Illustrious Airwing Set

Photo etched details for the Aircraft and Flight Areas of the Airfix Kit in 1/350 scale

PARTS LIST

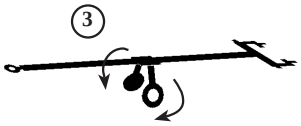


1. Harrier Boarding Ladder
2. Maintenance Step Ladder
3. Aircraft Towing Arm
4. Sea King Helicopter Parts Set
5. Sea King Folded Main Rotor
6. Fluid Replenishment Trolley
7. Merlin Helicopter Parts Set
8. Sea Harrier Parts Set
9. Harrier GR7 Parts Set
10. Flat Bed Trolley
11. Merlin Folded Main Rotor
12. Torpedo Trolley
13. Mk12 Hydraulic Supply Rig
14. Sidewinder Missile Trolley
15. Fork Lift Truck

Tips and Hints when working with Photo Etched Metal

1. Do not remove the etched parts from the fret until you are ready to use them.
2. Before assembly, soak the etched parts in a suitable solvent, such as white spirit, to de-grease the surfaces for painting. It is recommended that the entire fret be primed with an acrylic automotive primer, such as Halfords Grey Primer before assembling any of the parts.
3. Cyanoacrylate adhesive (Super glue) or contact adhesive such as a white PVA glue may be used. These can be applied with a pin or piece of stretched sprue.
4. When removing parts from the fret, place the fret on a hard surface, such as a smooth ceramic tile, in order to prevent parts bending whilst cutting through the holding tabs. It is suggested that a No.10 rounded type of modelling knife blade is used for this purpose.
5. When shaping or bending a part, a straight edged blade such as a chisel blade will give a good sharp corner, or alternatively an Atlantic Models Folding Tool ATT 01 or ATT 02 may be found to be useful
6. If a part is bent incorrectly, lay it on a hard flat surface and roll it flat with a cylindrical object such as a modelling knife handle.

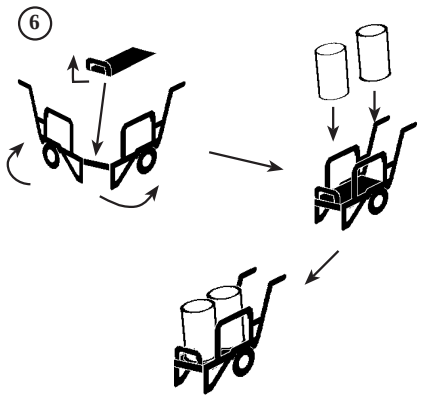
Towing Gear



The variant of aircraft towing arm is the universal variety that can be attached to most aircraft nose of tail wheels.
Fold the two wheels down from the middle of the bar, as shown above to achieve the correct shape.

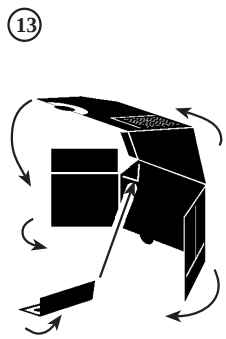
Shape the flat bed trolley by folding down the sides and rear to 90º and securing into place. These can be used for a variety of purposes.

Fluid Replenishment Trolley

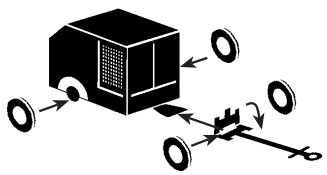


Fold the two side sections of etched part 6 to 90º on the front cross bar, so that they are parallel. Fold up the front retaining rail to 90º on the floor panel and fit between the two sides as shown. Cut two 2mm lengths of 1mm plastic rod or sprue to make the fluid containers. Fit these onto the trolley floor as shown above.

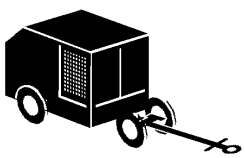
Hydraulic Pressure Supply Rig



Fold the top and sides of etched part 13 around to make a box shape as shown above, then fix the joints into place with super glue. The two flaps on the angled area can be fixed in the open, to reveal the control panel, or closed for towing. Fold the small control panel to 90º and fit inside the open area as shown above.



Fold the wheels in half so that they are double thickness, then fit into positions shown above.



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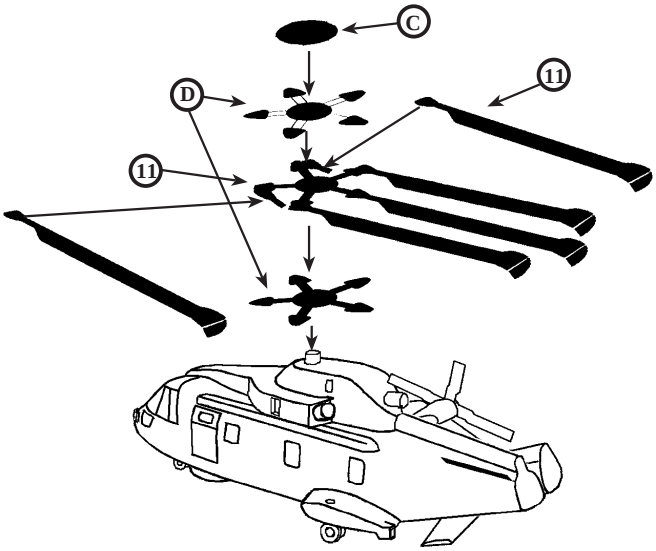
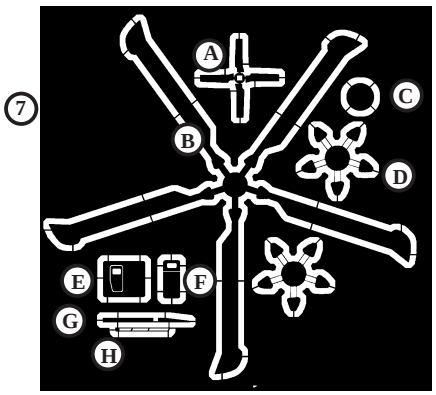
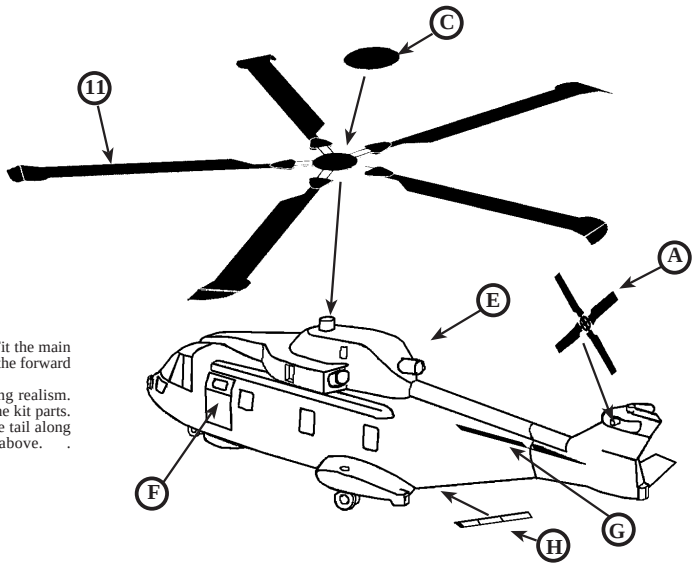
WESTLAND MERLIN HM1 HELICOPTER ASSEMBLY



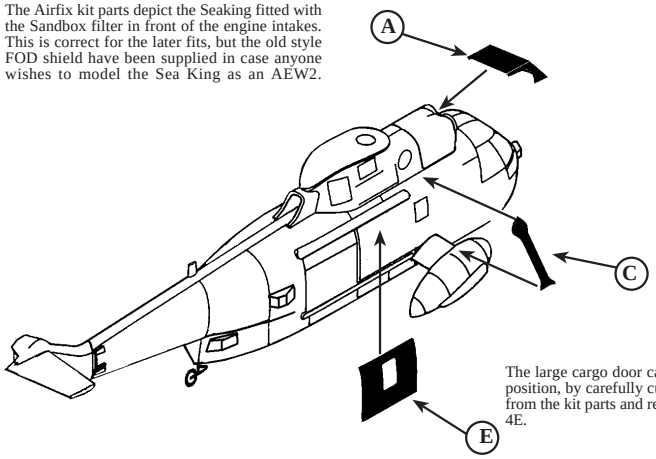




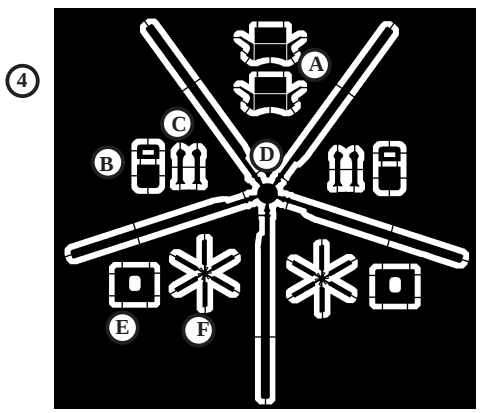
Bend the tips of the rotor blades, etched parts 7B and 11, along the etched lines so that they are angled downwards. Fit the main rotor in to position as shown, either in the folded or spread positions. Add the two separate rotors of etched parts 11 to the forward stubs on the rotor head of the folded version.
Doublers, etched parts 7D, have been provided to thicken the rotor head, giving the parts a greater depth and adding realism. The rotor head cover, etched part 7C, can be used or the moulded plastic cover can be cut from the plastic rotors in the kit parts.
Fit the tail rotor,etched part 7A, to the tail pylon. If the tail pylon is to be fitted in the folded position, cut through the tail along the angled line engraved on the plastic surface. The tail can then be fixed in the folded position as shown above. .
Fit the aerodynamic strakes, etched parts 7G, to the port side of the tail cone as shown right.
Fit the folded main rotor blades so that they are positioned over the tail. .

WESTLAND SEA KING AEW2 & ASaC7 HELICOPTER DETAILS & LOCATIONS

The Airfix kit parts depict the Seaking fitted with the Sandbox filter in front of the engine intakes. This is correct for the later fits, but the old style FOD shield have been supplied in case anyone wishes to model the Sea King as an AEW2.

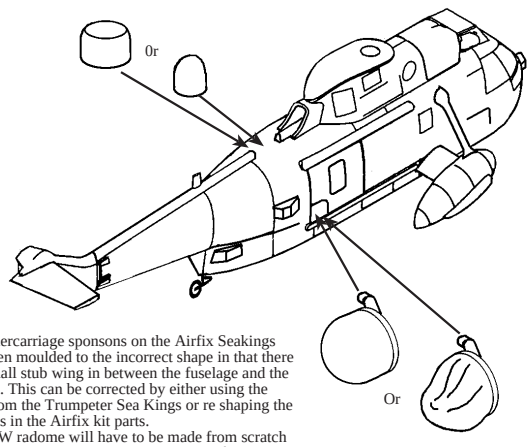


A. FOD Shield
B. Forward Personnel Door
C. Stub Wing Supports
D. Spread Main Rotor
E. Sliding Cargo Door
F. Tail Rotor



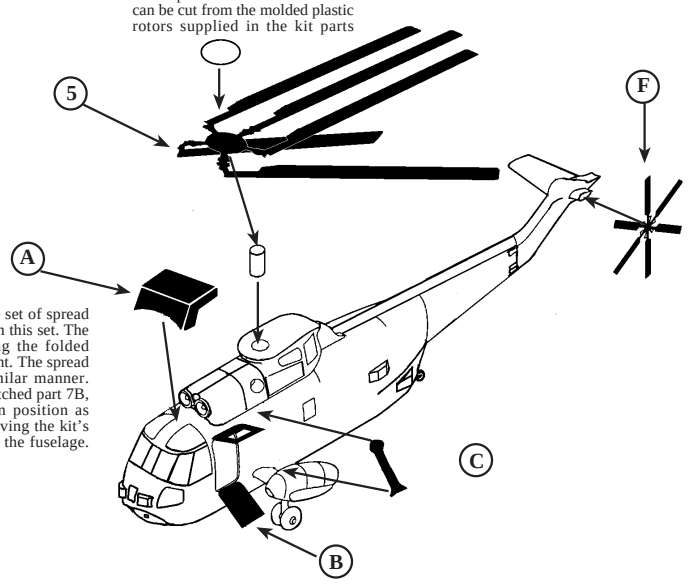
The large cargo door can be modeled in the open position, by carefully cutting the molded door out from the kit parts and replacing it with etched part 4E.

The dorsal radomes for either the AEW2 or HAS5/6 variants can be made easily from plastic rod, cut to the required length and shaped as shown below. The AEW 2 radome is 2mm in diameter and is shaped so it is round on top. The HAS 5/6 version is 3mm in diameter with a flatter top with rounded edges



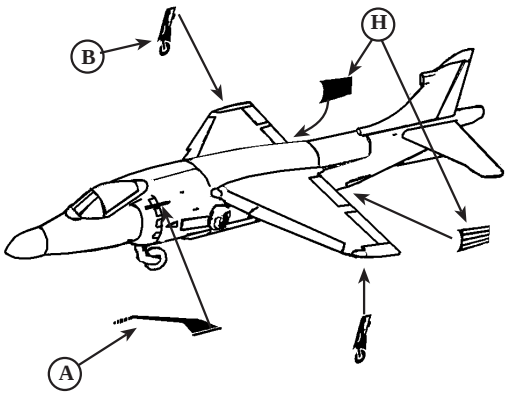
The undercarriage sponsons on the Airfix Seakings have been moulded to the incorrect shape in that there is no small stub wing in between the fuselage and the sponson. This can be corrected by either using the items from the Trumpeter Sea Kings or re shaping the sponsons in the Airfix kit parts.
The AEW radome will have to be made from scratch using plastic rod as shown right, as the Airfix kit is lacking this item.

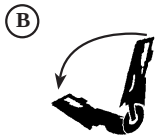
The top cover for the rotor head can be cut from the molded plastic rotors supplied in the kit parts



One set of folded and one set of spread rotors has been supplied in this set. The procedure for assembling the folded rotors has been shown right. The spread rotors are fitted in a similar manner. The forward entry door, etched part 7B, can be fitted in the open position as shown, by carefully removing the kit's molded plastic door from the fuselage.

BAe SEA HARRIER FA2 DETAILS & LOCATIONS





Assemble the Sea Harriers supplied in the kit as per the kit instructions.
Remove the molded plastic outrigger wheels and replace using the etched parts 8B, that are assembled by folding in half as shown left.
Fit the exhaust shields etched parts 8H, behind the rear pair of exhausts. Fit the flight refueling probe, etched part 8A, as shown left, if desired. The undercarriage doors, etched parts 8K and 8L may also be fitted in to positions desired according to requirement. The Air Brake may also be fitted to the underside of the rear fuselage in the open position if desired.

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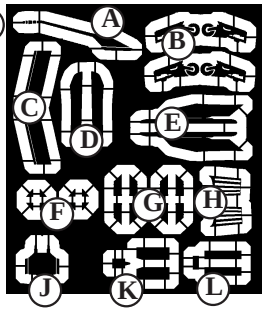
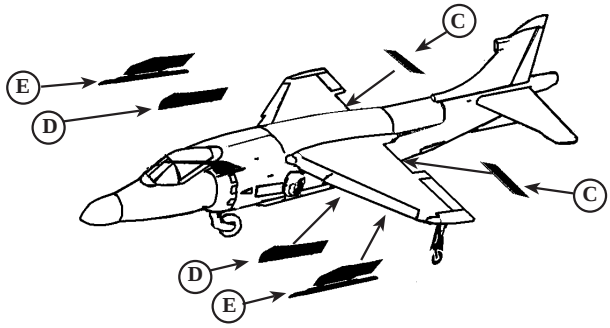
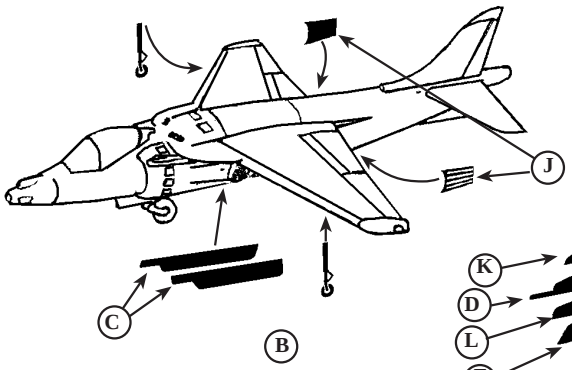




A. Refuelling Probe
B. Outrigger Wheels
C. Wing Flaps
D Inboard Stores Pylons
E. Outboard Stores Pylons
F. Sidewinder Missile Front Fins
G. Sidewinder Missile Rear Fins
H. Exhaust Heat Shields
J. Air Brake Panel
K. Main Undercarriage Doors
L. Nose Undercarriage Doors

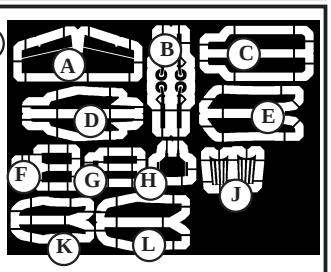
Each of the under wing stores pylons are molded to the kit parts in plastic. These appear to be a little heavy and can be removed and directly replaced with the etched parts 8D and 8E, in the same place.
If the aircraft is to be displayed launching or landing, the wing flaps can be cut from the wings and replaced with the etched parts 8C, in the lowered position.

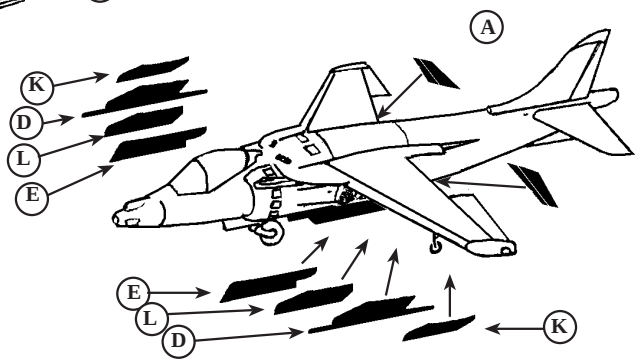
BAe HARRIER GR7 DETAILS & LOCATIONS



Assemble the Harrier GR7s supplied in the kit as per the kit instructions.
Remove the molded plastic outrigger wheels and replace using the etched parts 9B, that are assembled by folding in half as shown in the previous section for the Sea Harrier. Fit the exhaust shields etched parts 9J, behind the rear pair of exhausts.
The undercarriage doors, etched parts 9F and 9G may also be fitted in to positions desired according to requirement. The Air Brake may also be fitted to the underside of the rear fuselage in the open position if desired.

9

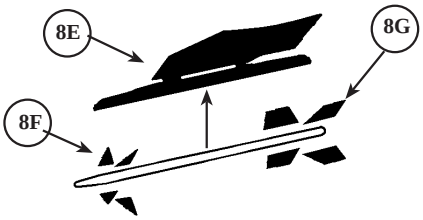




A. Wing Flaps
B. Outrigger Wheels
C. Aerodynamic Strakes
D. Sidewinder Missile Pylon
E. Inboard Stores Pylon
F. Main Undercarriage Doors
G. Nose Undercarriage Doors
H. Air Brake Panel
J. Exhaust Heat Shields
K. Outboard Stores Pylons
L. Mid Position Store Pylons

Each of the under wing stores pylons are molded to the kit parts in plastic. These appear to be a little heavy and can be removed and directly replaced with the etched parts 9D, 9E, 9K and 9L in the same places .
If the aircraft is to be displayed launching or landing, the wing flaps can be cut from the wings and replaced with the etched parts A, in the lowered position.
Fit the aerodynamic strakes, etched parts 9C, to the underside of the fuselage if the gun pods are removed.

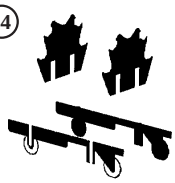
Sidewinder Missile Assembly



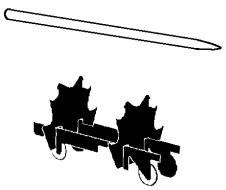
Sidewinder Missiles can be made for the Sea Harriers, using 10 thou wire or plastic rod in conjunction with the fins supplied as etched parts 8F and 8G.

Missile Trolley Assembly

14



Assemble the missile trolley as shown below. Missile bodies can be made using a length of .25mm (10 thou) plastic rod shaped at one end.

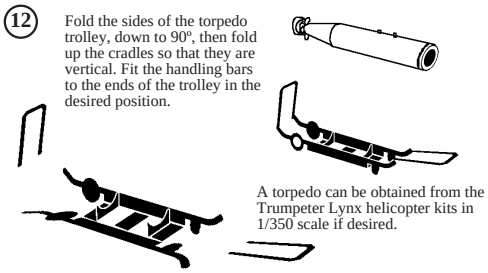


Paint Dark Olive Green all over.
Missile body is natural metallic grey.

Torpedo Trolley Assembly

12

Fold the sides of the torpedo trolley, down to 90º, then fold up the cradles so that they are vertical. Fit the handling bars to the ends of the trolley in the desired position.



A torpedo can be obtained from the Trumpeter Lynx helicopter kits in 1/350 scale if desired.

FORK LIFT TRUCK ASSEMBLY

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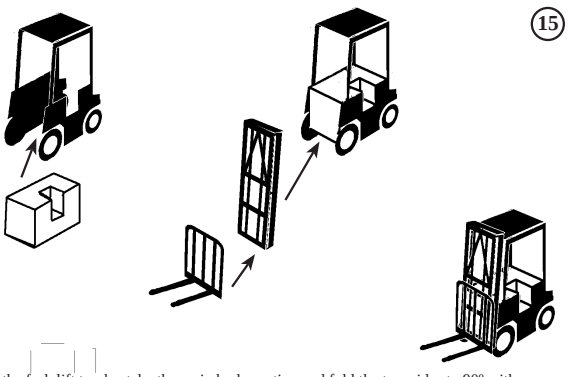
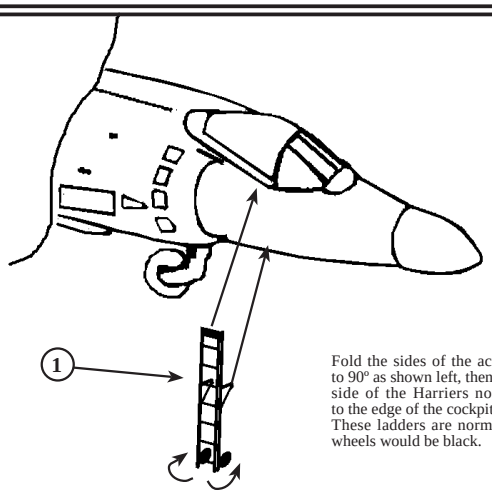


To assemble the fork lift trucks, take the main body section and fold the two sides to 90º with the roof so that they are parallel with the etched detail outwards. Cut a piece of plasticard as shown to make a filler for the truck body and fit between the two lower parts.
Take the lifting mechanism and fold back the sides and top. fit this part on to the front of the truck body as shown.Fold up the lifting tines to 90º to the support frame and fit this piece on to the front of the main assembly at the height desired.

HARRIER PILOTS ACCESS LADDER



Fold the sides of the access ladders, etched parts 1, to 90º as shown left, then fit the ladder to the starboard side of the Harriers nose so that the top plate fits to the edge of the cockpit rim.
These ladders are normally painted bright red. The wheels would be black.