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WHIRLYBIRD

1/48 scale

Sea King Mk.43

Update set for Hasegawa Sea King kit

330 Sqn. Royal Norwegian Air Force

Set # WBA48019



© Nils Mathisrud - 2019

This conversion set is designed for use with any version of the Hasegawa © 1/48 Sea King kit. It provides a Generic Conversion Set to turn the Hasegawa Sea King into a Westland built example. Not all parts provided are needed for every version, so please read the Instruction Sheet for the Generic Conversion Set in conjunction with this document.

In this set, parts are provided to cover the differences between the generic aircraft and the Norwegian ones - large radome, life raft bulges, avionics, FLIR turret etc.

The set is a co-operation between **WHIRLYBIRD** and **Vingtor** - **WHIRLYBIRD** provide the conversion parts and **Vingtor** the decals.

Westland Sea King in the Royal Norwegian Air Force

In 1969, 10 Sea King Mk.43 helicopters were ordered by the Norwegian Ministry of Justice for Search and Rescue duties. The Mk.43 is a special SAR version of the HAS.2. The helicopters were delivered in 1972-73 and are operated by No. 330 Squadron of the Royal Norwegian Air Force.

Five of the helicopters have crashed during the years. Three of them have been rebuilt by Westland, while an additional four helicopters have been acquired. One of the new airframes (#189) was delivered in Mk.43A configuration in 1978. All remaining airframes have been upgraded to Mk.43B standard, including upgraded avionics, MEL Sea Searcher radar in large dorsal radome, weather radar in nose and FLIR camera.

During 1989-95 the Sea Kings were upgraded to improve their effectiveness in the SAR role, receiving an RDR-1300C nose radar, FLIR 2000F, extra hoist system, Racal Avionics Doppler 91 and RNAV 2 navigational aids. Furthermore, the original dinghy has been replaced two new items, one on either side of the fuselage.

Colours:

The aircraft are gloss white, with high visibility "day-glo" areas. Originally, the "day-glo" areas were painted Dockerblaze Orange, but this paint was prone to fading. The paint was later switched to the slightly more reddish RAL-2005 (FS 28915). The rear parts of the fuselage are exposed to exhaust soot, and don't stay white for long!

The main rotor blades were originally Dark Green with yellow tips on both surfaces. The new composite blades are Dark Grey upper surfaces and a band on the lower surfaces, the lower surfaces being (close to) Medium Sea Grey with yellow tips. The tail rotors have remained black from the start, with red and white bands.

produced by

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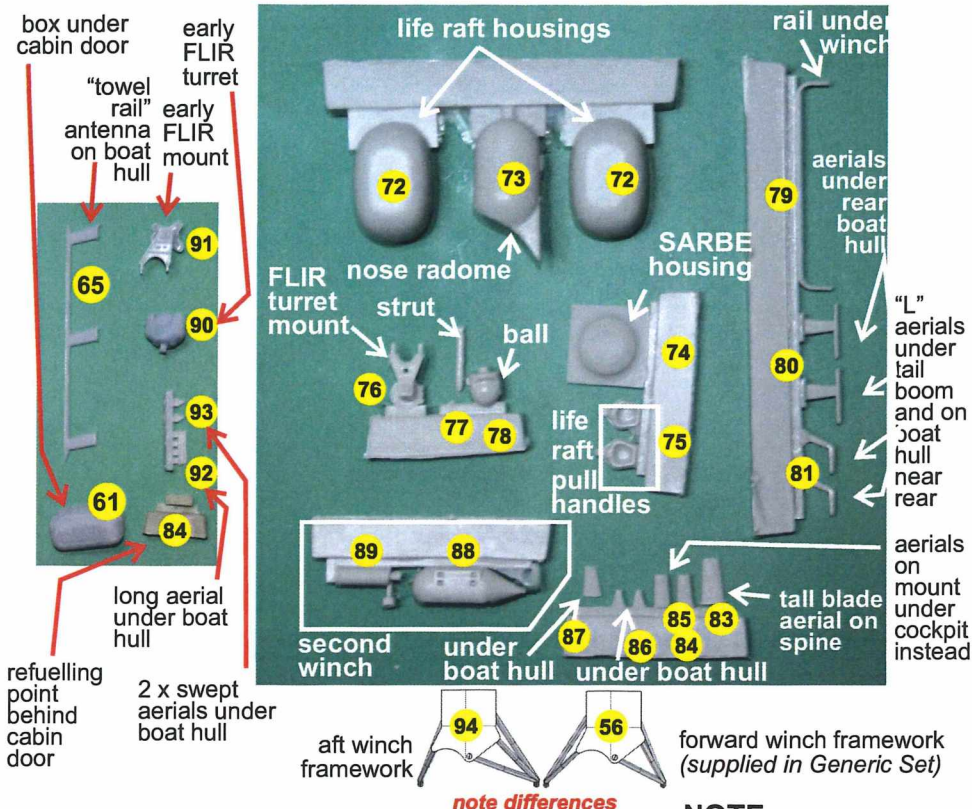
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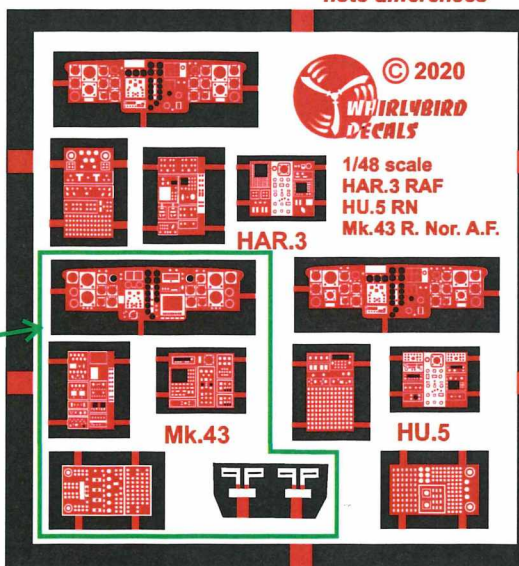
*custom decals for
the discerning
modeller*

What you get: - Royal Norwegian Air Force Mk.43a

Additional resin parts for the Norwegian Mk.43 and Mk.43a



Etched brass fret:



Use these pieces outlined in green for the R. Nor. A.F. Mk.43

NOTE:

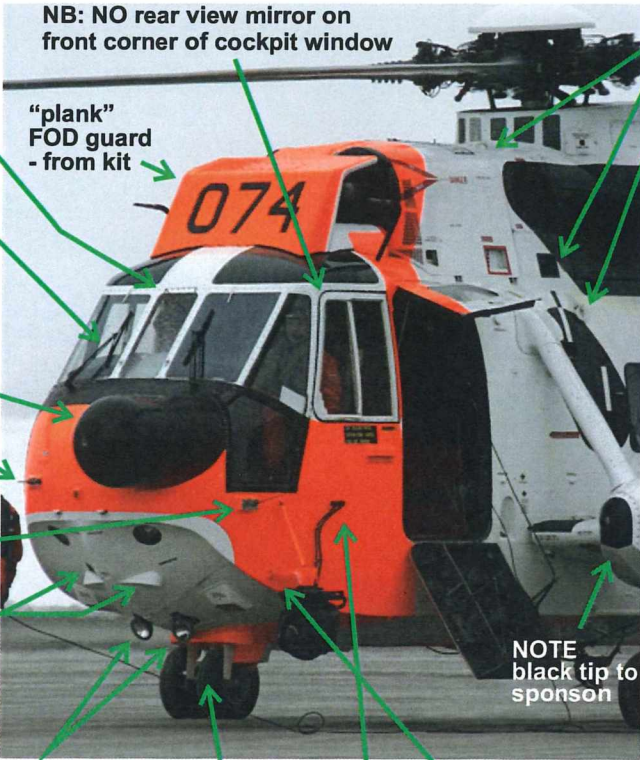
The aerial fit can vary depending on the modification state of the aircraft.

The original Mk.43 is much more like the RAF HAR.3, with the "towel rail" antenna under the boat hull and the white and grey box behind and under the cabin door.

The Mk.43a has neither of these items, but instead has blade airtails with rods on top under the rear boat hull, as well as other differences.

Check references for the aircraft you wish to model.

Port side - forward fuselage



NB: NO rear view mirror on front corner of cockpit window

air data probe - make from plastic rod

windscreen wipers **e**

nose radome - slightly overlaps cockpit glazing **73**

glide slope antenna **35s**

probe on mount **33**

no aerials **42** below nose - mounts only NB mounts are handed

"plank" FOD guard - from kit

grab handles **e**

tie down **e**

FLIR

FLIR support strut - attach after mount is glued to fuselage side **77**

fit into slot in mount

76

add FLIR ball - orientate as desired

78

NOTE black tip to sponson

Norwegian Sea Kings have a second spotlight between the radio altimeter boxes

2 blade aerials on mount **26** instead of rods



drill holes for FLIR mount and glue in place - then add support strut



nose radome **73**

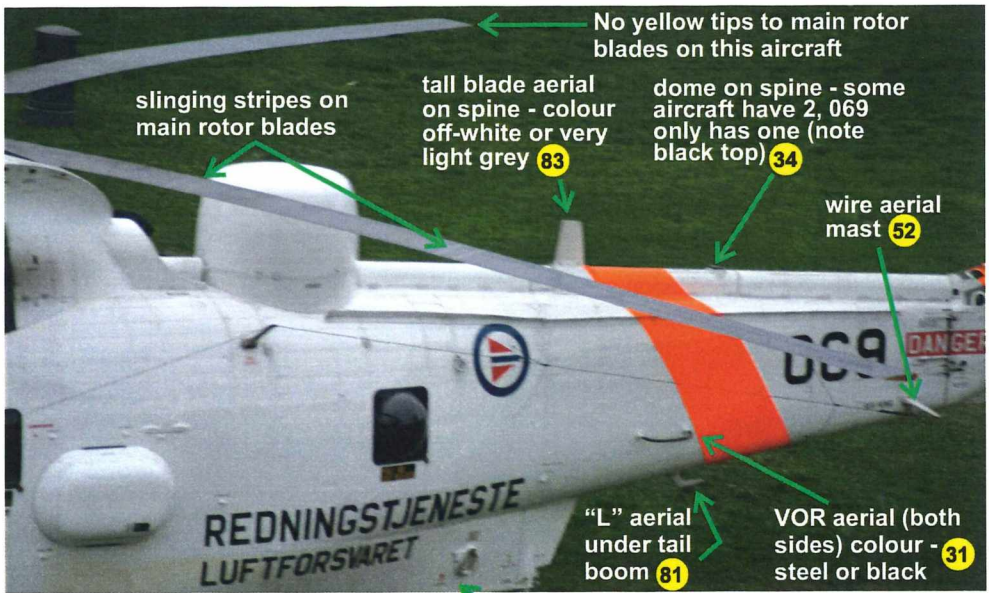
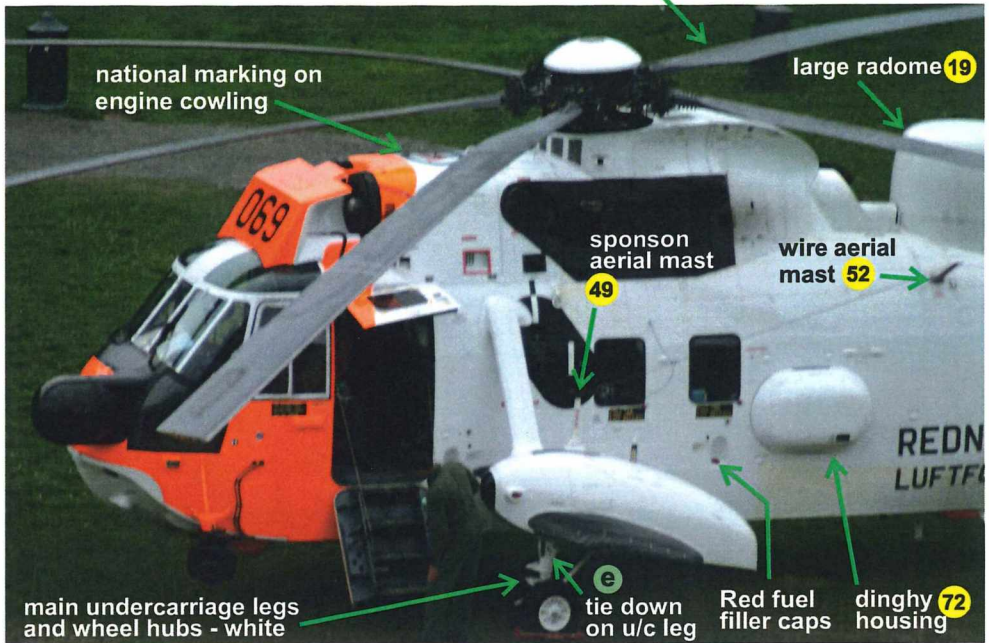
add FLIR cables using lead wire supplied



Some Norwegian Sea Kings used a different (earlier) FLIR turret



Port side - middle fuselage



release handle for dinghy (both sides)



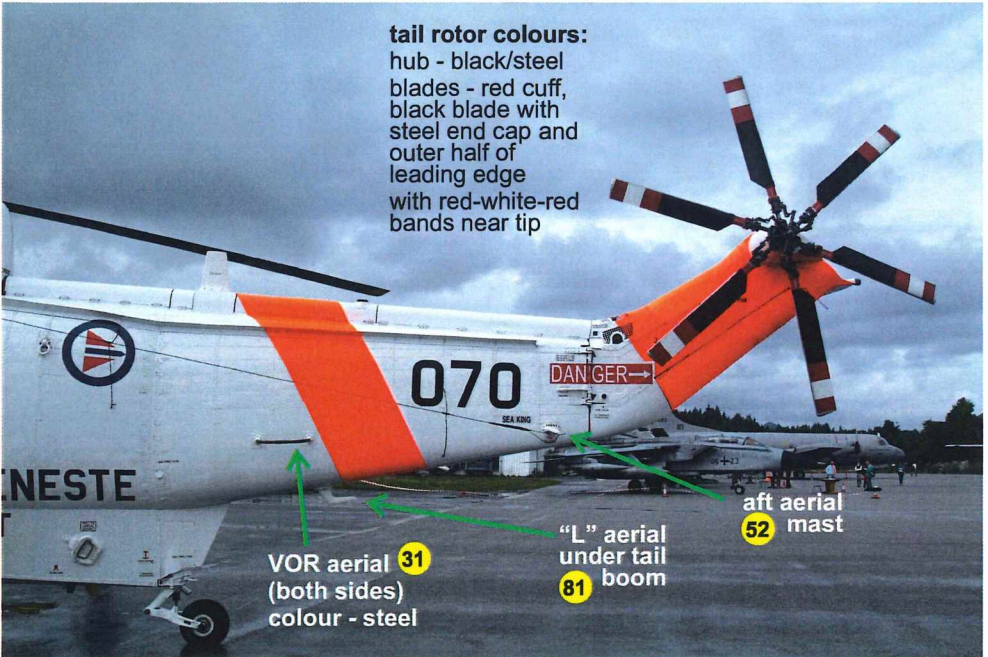
add etched e brass handle after painting

Port side - aft fuselage and tail boom



aerials under fuselage

tail wheel leg and hub - white



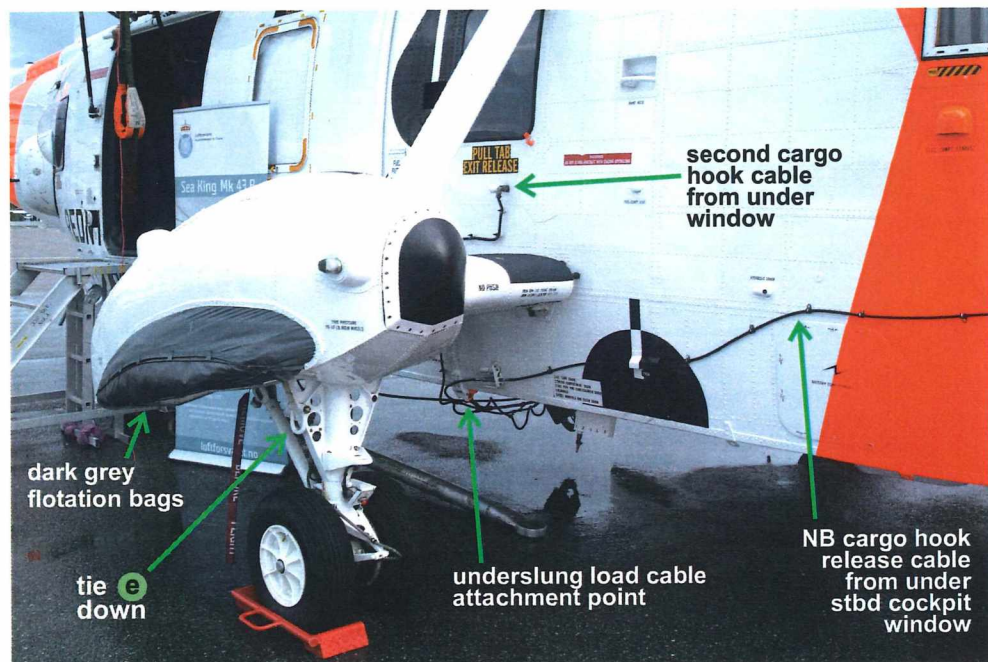
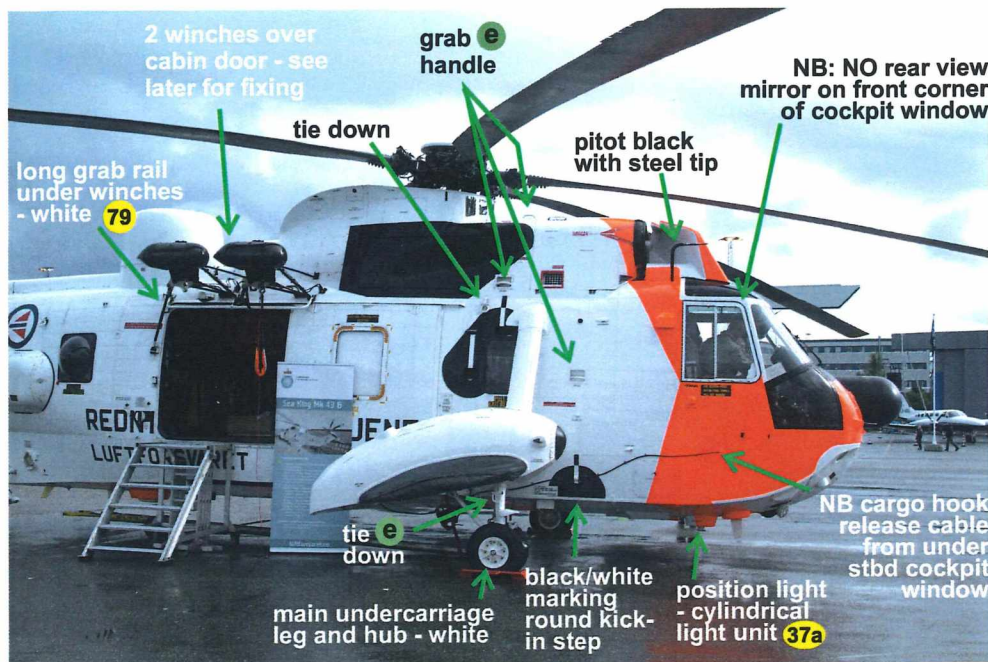
tail rotor colours:
 hub - black/steel
 blades - red cuff,
 black blade with
 steel end cap and
 outer half of
 leading edge
 with red-white-red
 bands near tip

VOR aerial 31
 (both sides)
 colour - steel

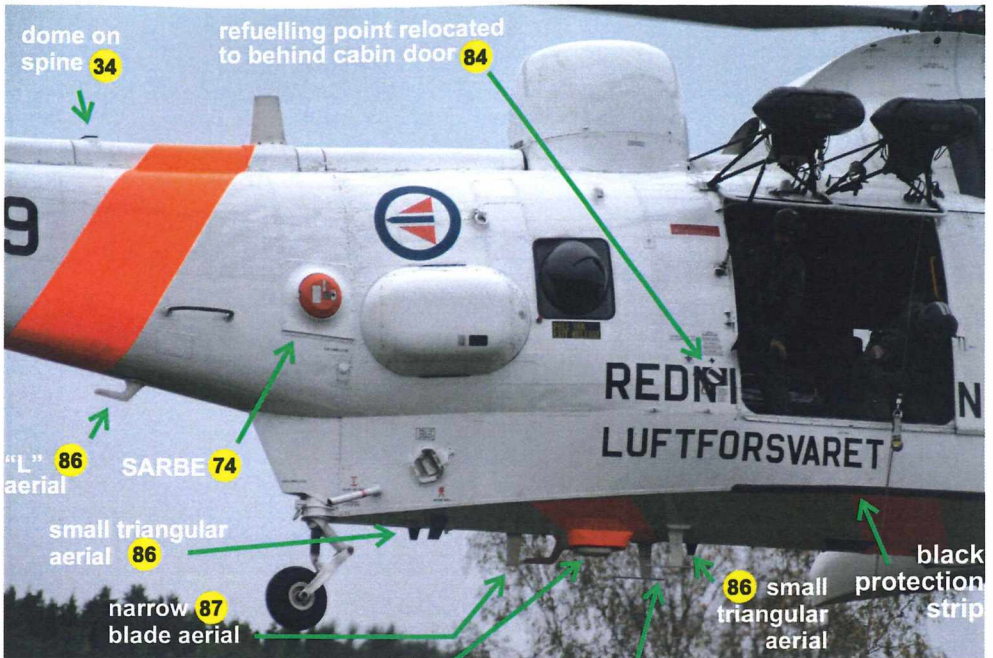
"L" aerial
 under tail
 boom 81

aft aerial
 mast 52

Starboard side - forward fuselage



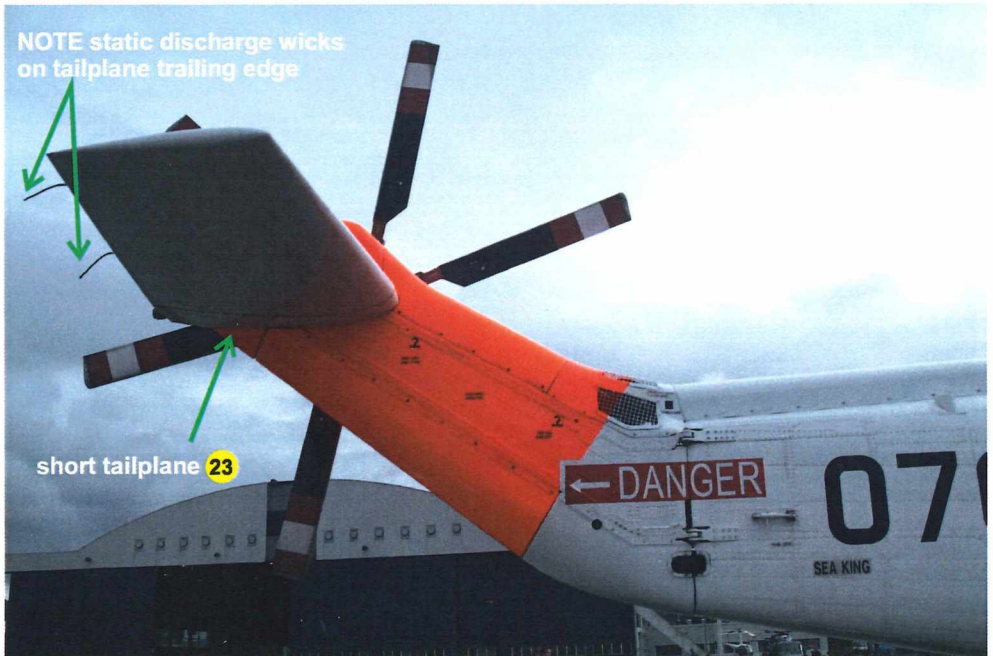
Starboard side - rear fuselage and tail boom



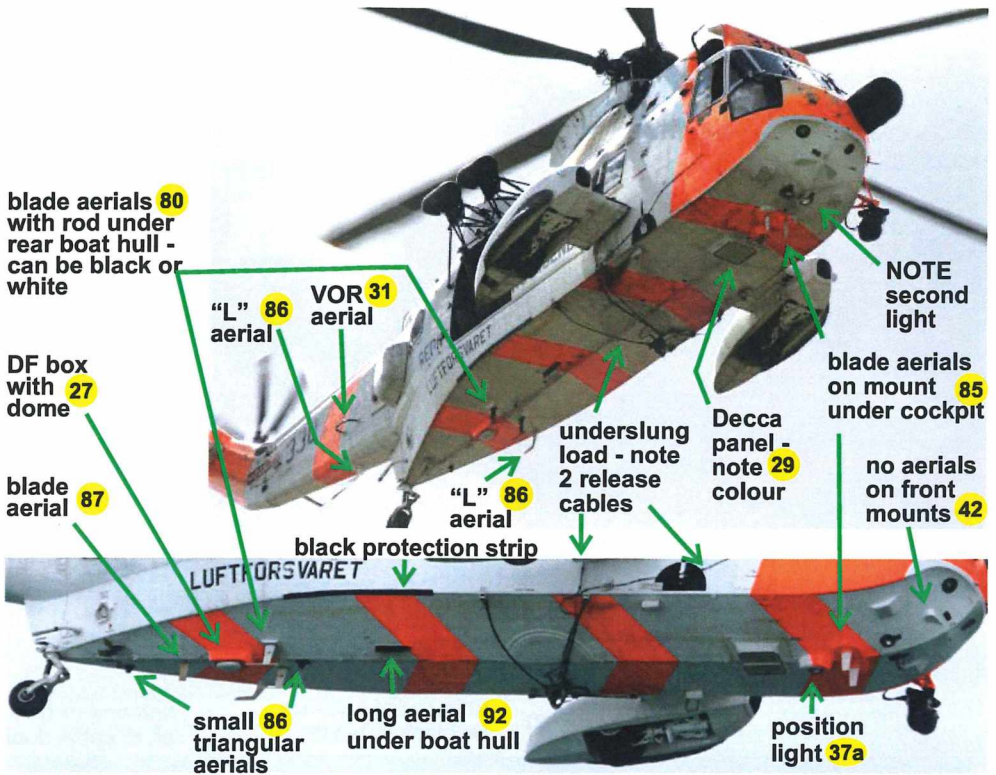
Radio DF with "bump" on top **27**

aerials with rods **80** under boat hull - can be black or white

no "towel rail" antenna or box aft of cabin door



Under side and other details

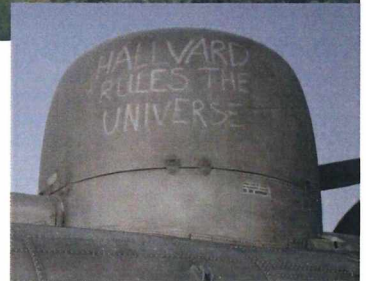


NOTE how sooty and dirty the white colour scheme gets (from the engine exhaust)

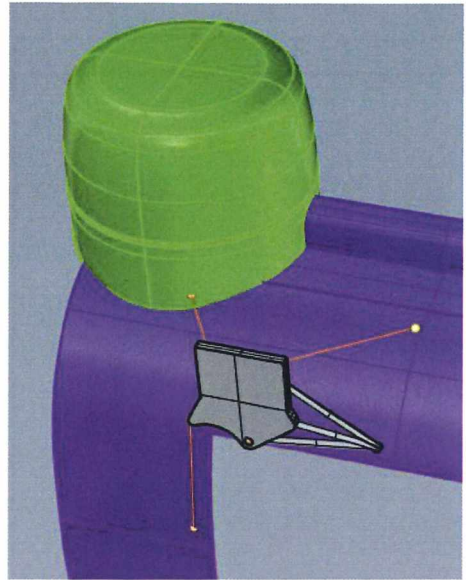
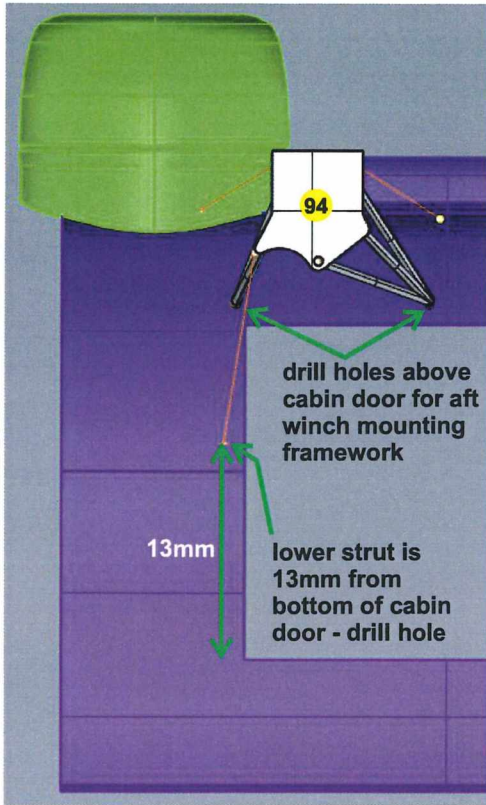
And **NOTE** what someone has written on the side of the radome on the aircraft spine of 330!

There is also a smiley face on the starboard dinghy cannister on 330 - again made in the soot.

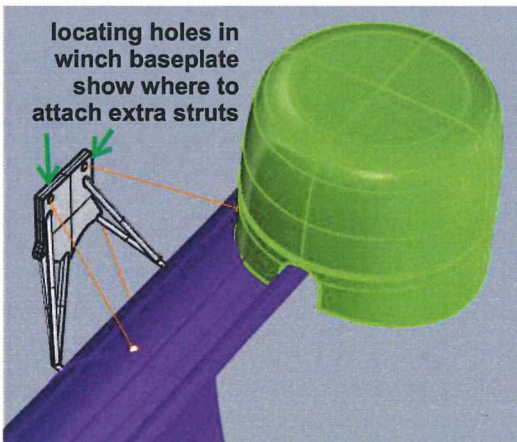
Decals for both these “grafitti” are supplied.



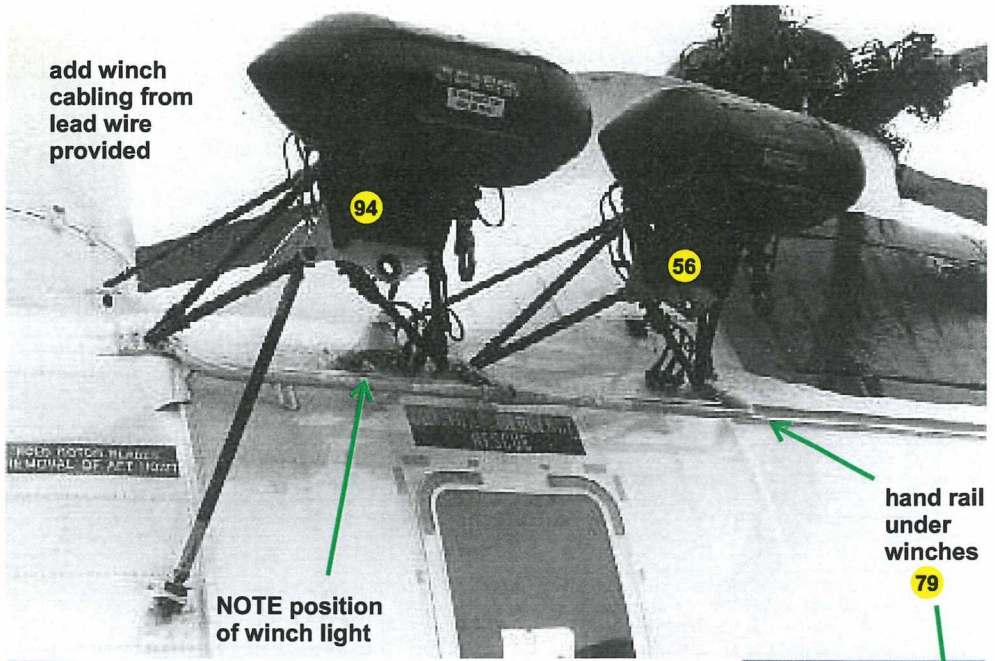
Aft winch installation



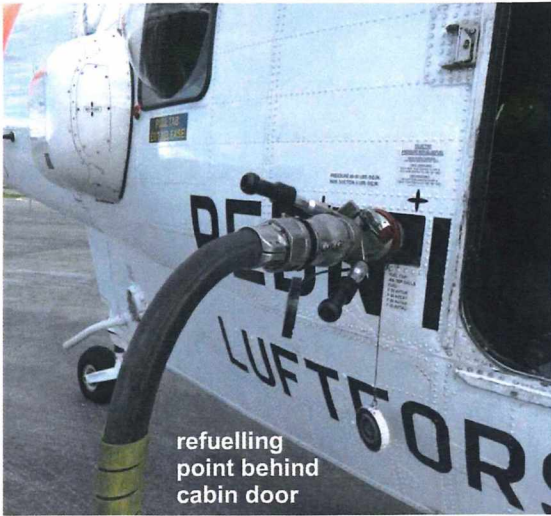
NOTE: left top winch support strut goes through radome - drill hole



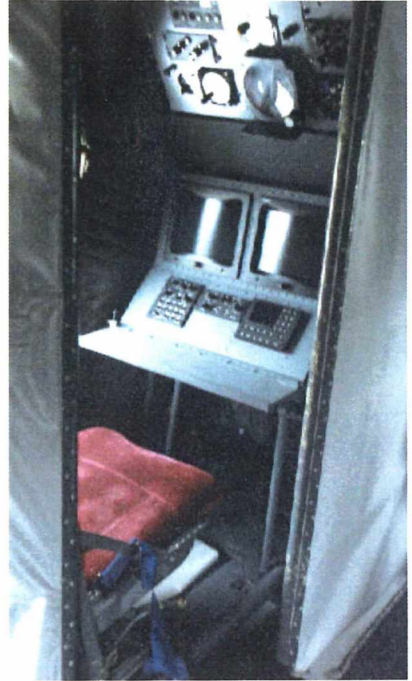
Aft winch installation continued



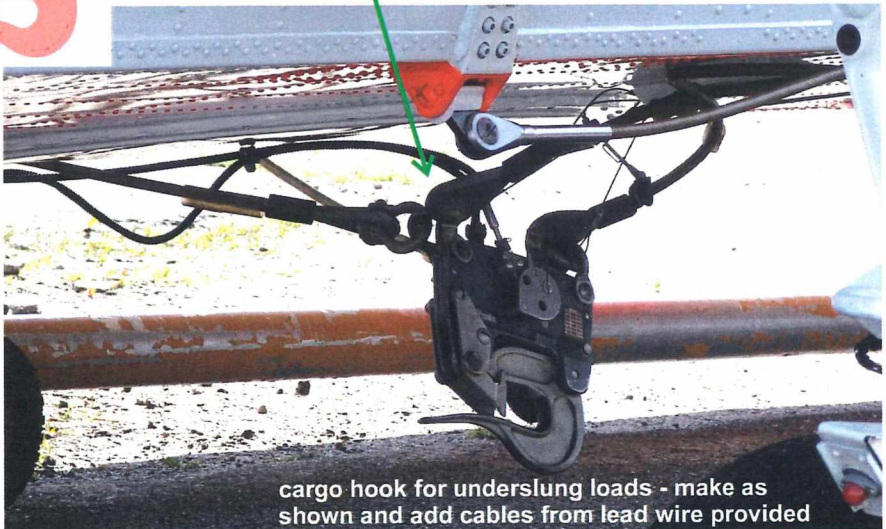
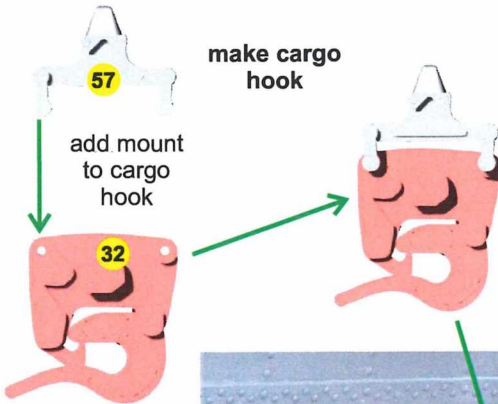
Details and Interior



refuelling point behind cabin door



radar cabin



cargo hook for underslung loads - make as shown and add cables from lead wire provided

Interior - cockpit



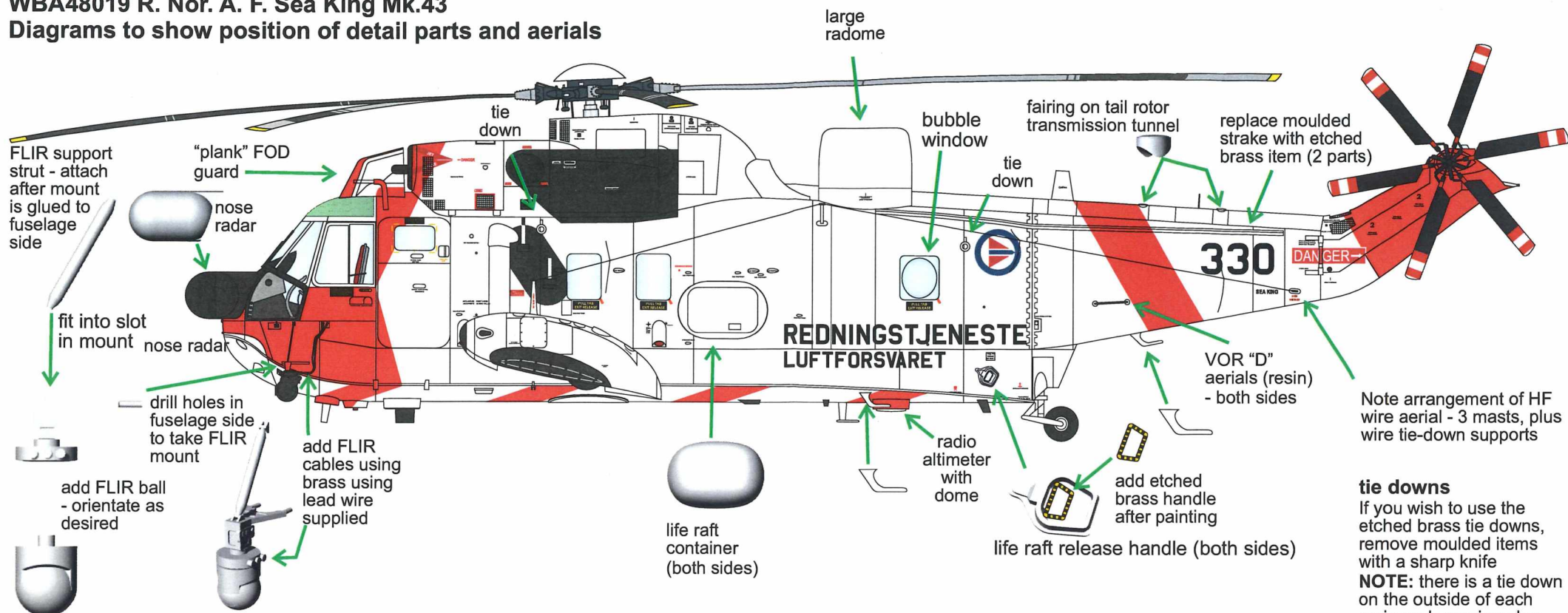
main instrument panel

centre console

view across cockpit to right hand seat

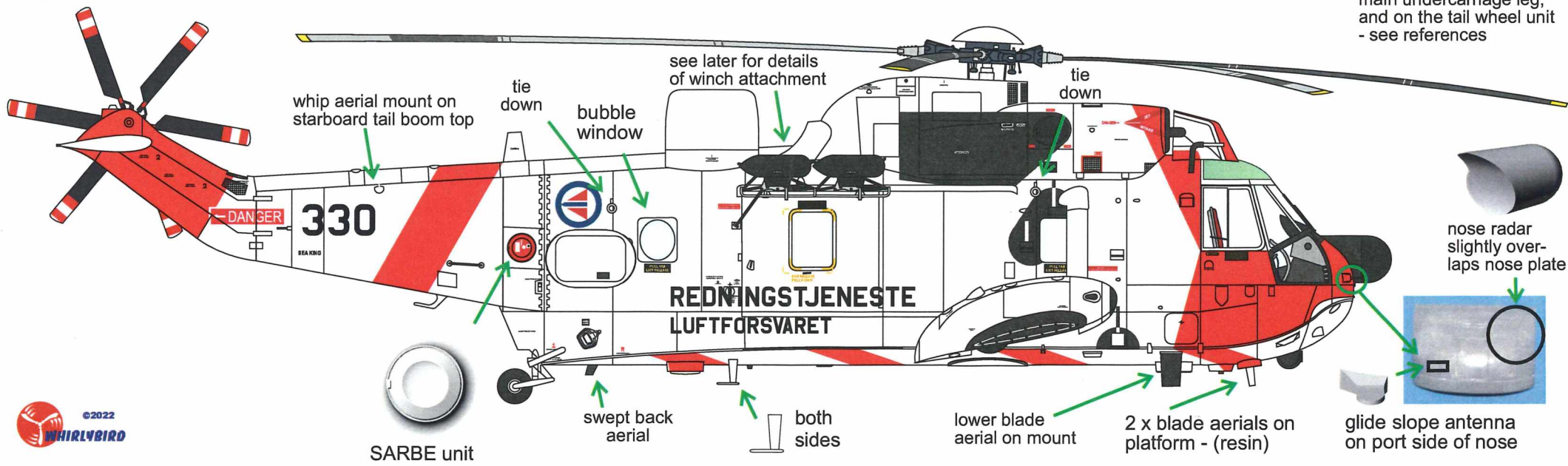


WBA48019 R. Nor. A. F. Sea King Mk.43
Diagrams to show position of detail parts and aerials



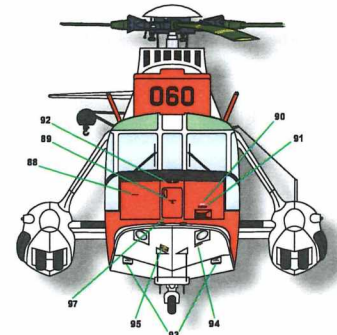
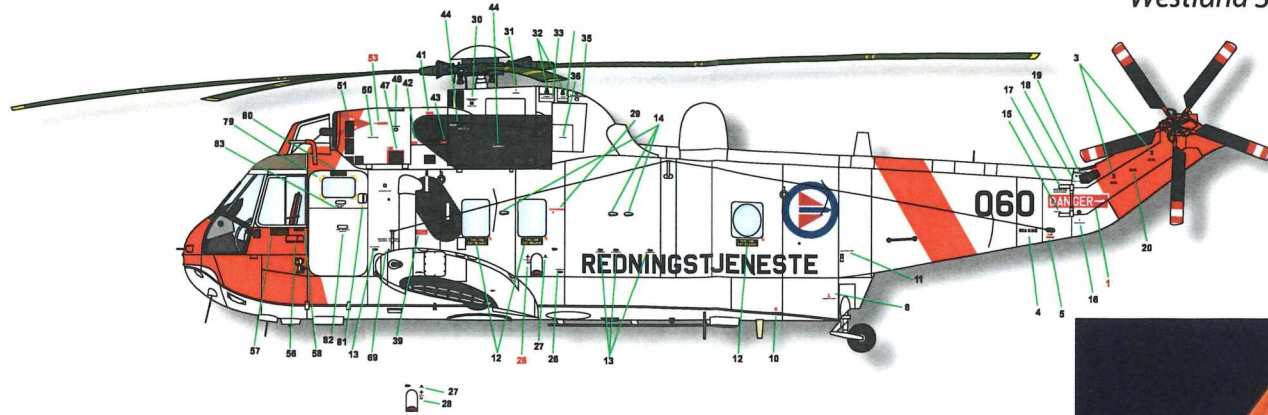
Note arrangement of HF wire aerial - 3 masts, plus wire tie-down supports

tie downs
 If you wish to use the etched brass tie downs, remove moulded items with a sharp knife
NOTE: there is a tie down on the outside of each main undercarriage leg, and on the tail wheel unit - see references

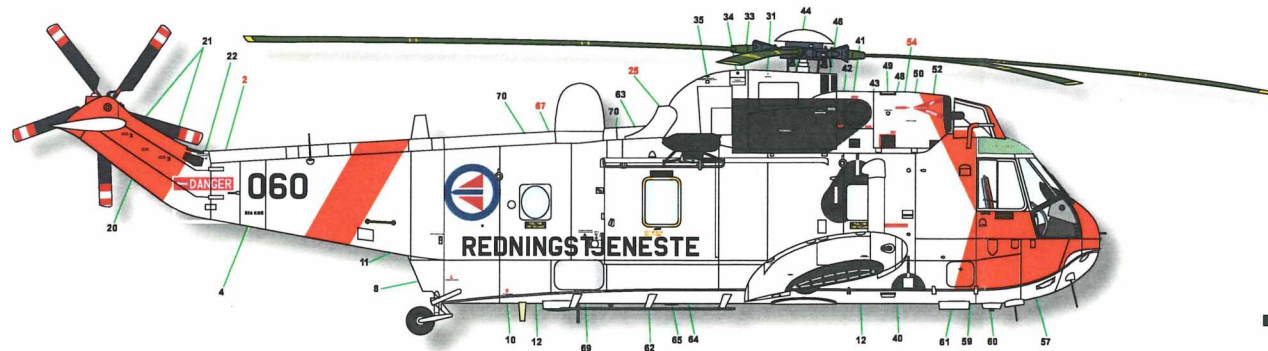


Decal Placement

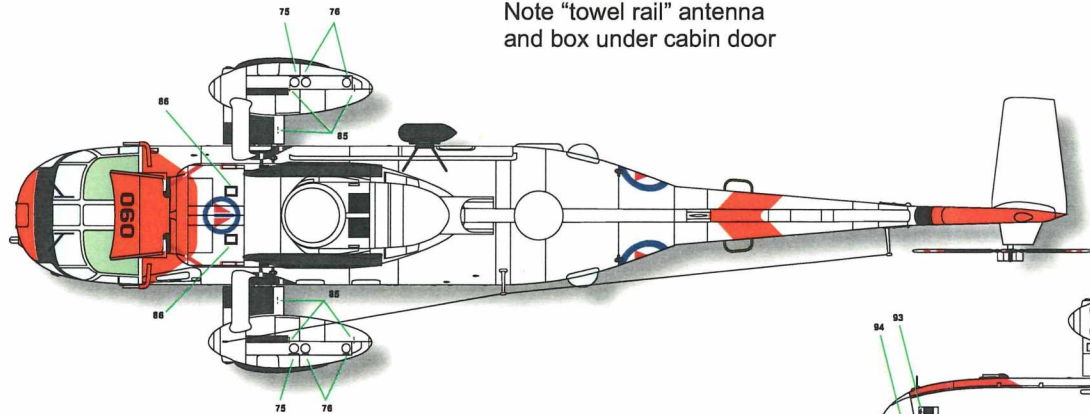
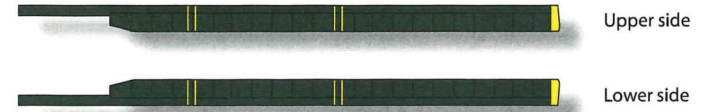
Westland Sea King Mk.43 - RNoAF - early markings



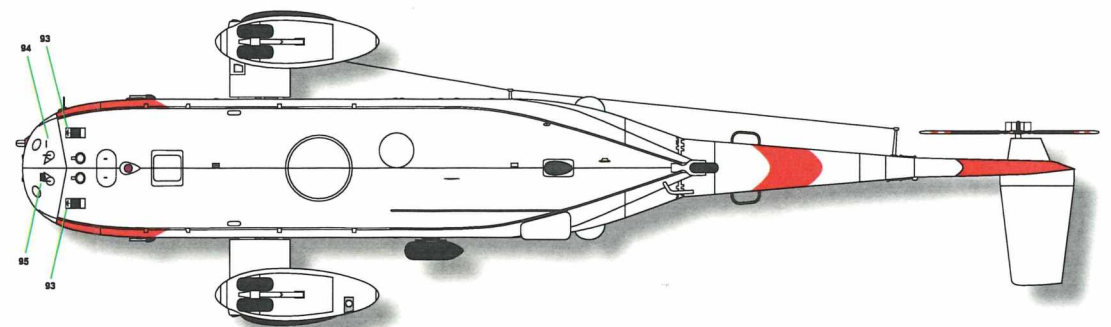
Notice the cartoon figure Snoopy. It was applied in front of the cabin door of 060 for a period (before modification to Mk.43a)



Note "towel rail" antenna and box under cabin door



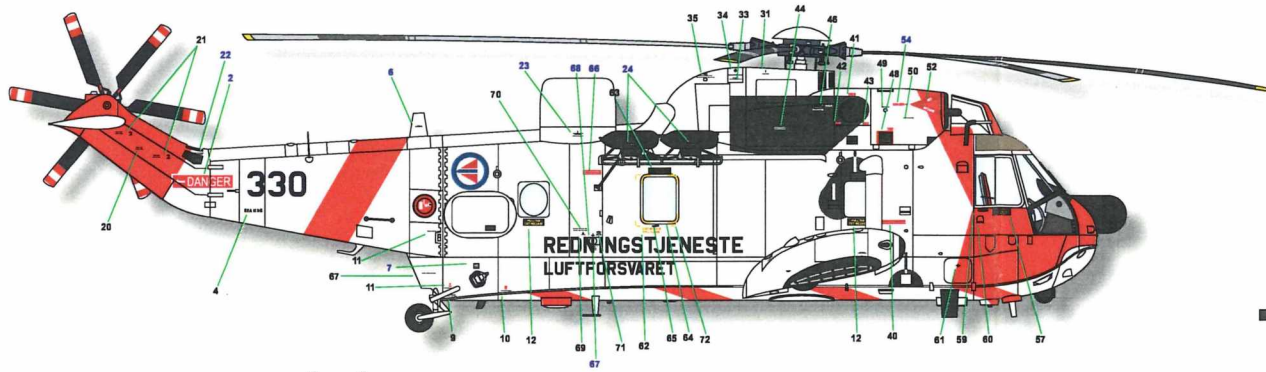
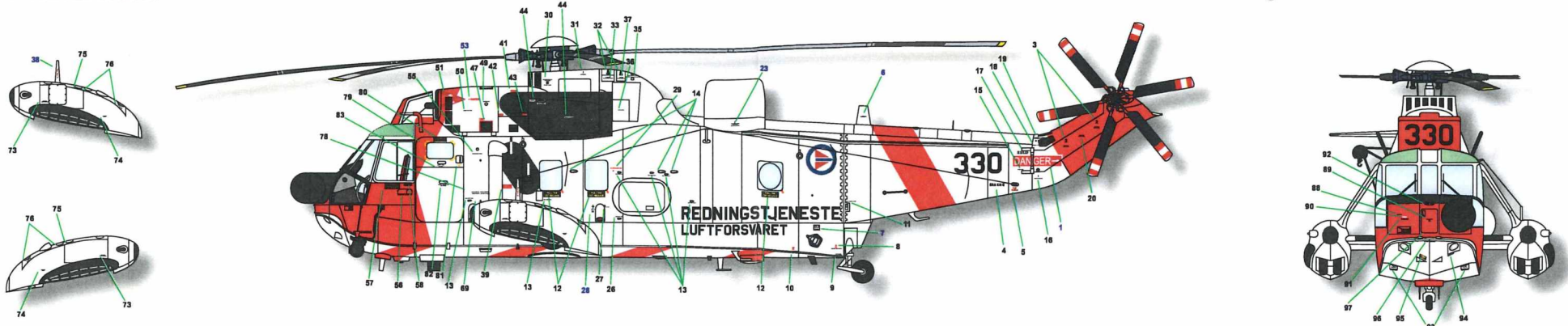
- White
- Dockerblaze Orange



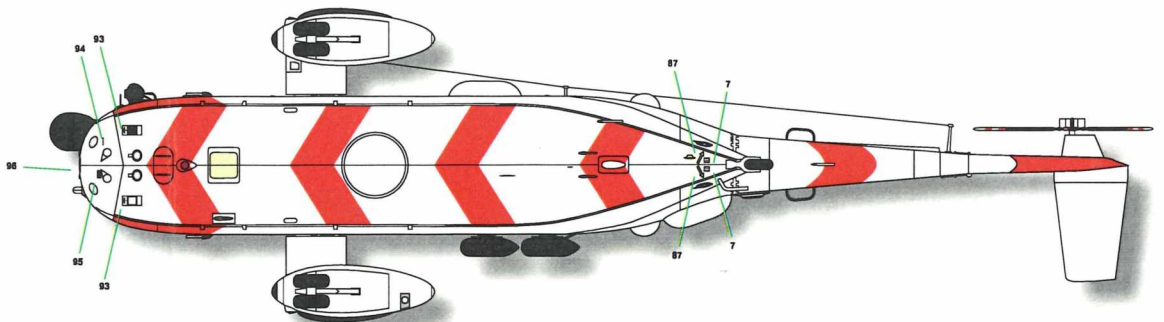
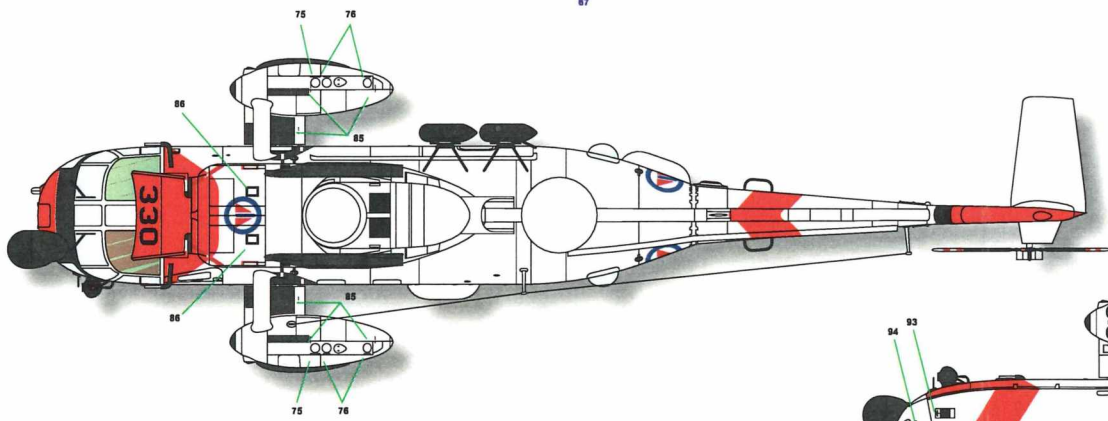
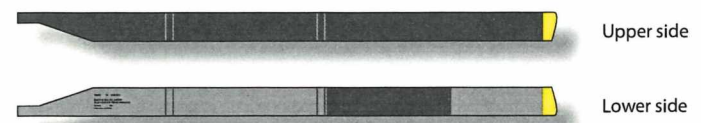
Westland Sea King Mk.43, 060. 330 Squadron ca. 1973.

Decal Placement

Westland Sea King Mk.43B - RNoAF - late markings



Westland Sea King Mk.43B, 330. 330 Squadron ca. 2016.



- White
- RAL-2005 (FS 28915)