



# A-4K KAHU

## A-4K COCKPIT UPGRADE SET

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Made in the USA

Instructions by  
Jarrad Bradley

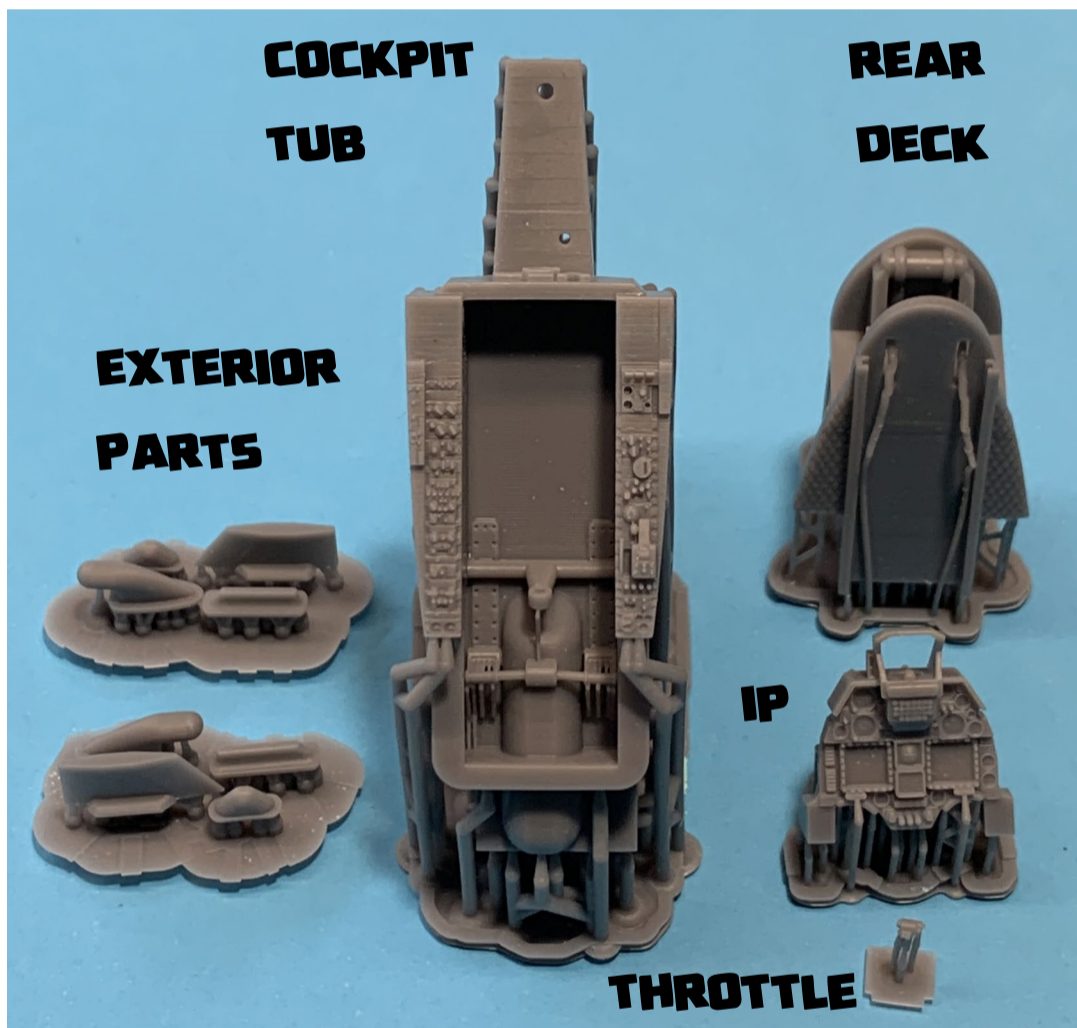
FITTED TO: 1:48<sup>TH</sup> HASEGAWA A-4E/F/K KITS

# PHR48130 A-4K COCKPIT UPGRADE

- Always Wash parts before gluing and painting
- CA Cyanoacrylate (super) glue is required to glue parts
- Do not inhale Resin dust or particles
- Wear Eye and dust protection when cutting, scraping or sanding parts

Unassembled Model Kit, Glue & Paint  
Not Included, NOT a TOY, Adult  
Collectors - Ages 14+, Small Parts, Resin,  
Resin Kit Experience Required

### Kit Contents 3D Printed RESIN



### SET DESCRIPTION

This upgrade set contains parts to easily upgrade the 1/48th HASEGAWA A-4E/F/ series of kits to the RNZAF A-4K KAHU configuration. The kit includes parts needed to bring your model up to date with all the latest cockpit displays and instruments as well as an accurate HUD. Parts are also included to detail the exterior of the model with the correct antennas and sensors for the KAHU fit out. **(NOTE: Some of these parts replace the METAL parts in the A-4K kit MB 1,2,3)**



The kit's ESCAPAC 1C-3/1F-3 Ejection Seats can be used, but we recommend using one of the super detailed Phase Hangar Resin ESCAPAC 1C-3/1F-3 seats for your build (48007/48008).

Different jets can have various layouts and configurations. These depend on the service date and markings of the jet that your model is representing, so check your references carefully.

We highly recommend CALUM GIBSON's "THE HAMFISTED MODELLER" BLOG with his super detailed builds and references to these jets. Calum's expertise, time in the RNZAF and personal collection of reference on the NZ A-4K, will ensure the accuracy of your build.

The Hamfisted Modeller A-4K page.

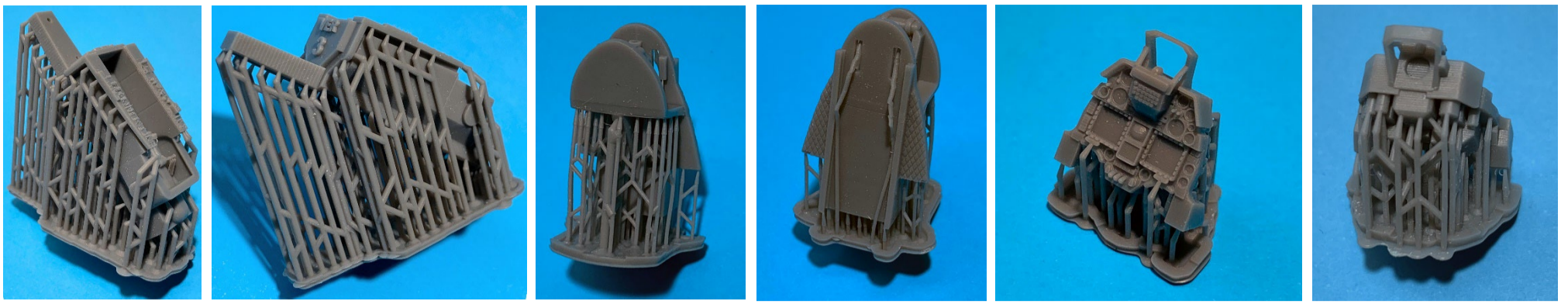
<https://hamfisted-modeller.blogspot.com/search?q=a-4k>

Calum Gibsons' A-4k Walkaround page.

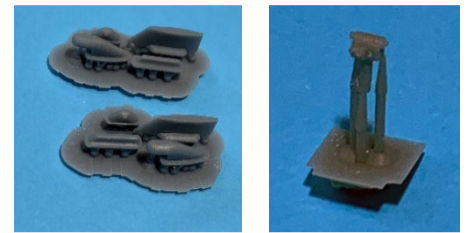
<https://posting.cc/gallery/kWY5RxV>

## Prepare 3D PRINTED RESIN Parts

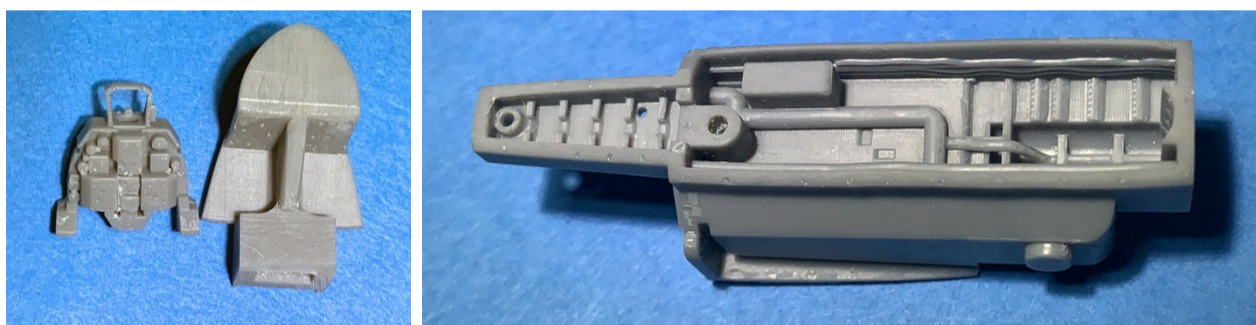
Remove all parts from printing Supports and clean-up the resulting support connection locations.



3D printed resin parts are super detailed and accurate however the resin can be brittle and snapping the parts from their printing supports will nearly always leave a 'divot' in the part. This divot may or may-not require filling depending on its location on the finished part. CA or filler can be used to repair.



**TIP:** Using a razor saw against the resin part is the only way to remove the 3D printed supports without damaging the parts- cutting with nippers will usually cause a divot. Nippers can be used on supports that are away from the resin part.



It is recommended to cut with a little extra material remaining and then flat sand the parts to fit exactly.

These pictures show that if supports are sawn-off next to the resin part and then scraped and gradually sanded smooth, that minimal or no filling/repairs are needed.

**NOTE** – it is highly likely that UV Resin, used in 3D printing, is toxic if ingested, so please use a mask when sanding and beware of the resin dust.

## Prepare CAST RESIN Parts (IF PRESENT)

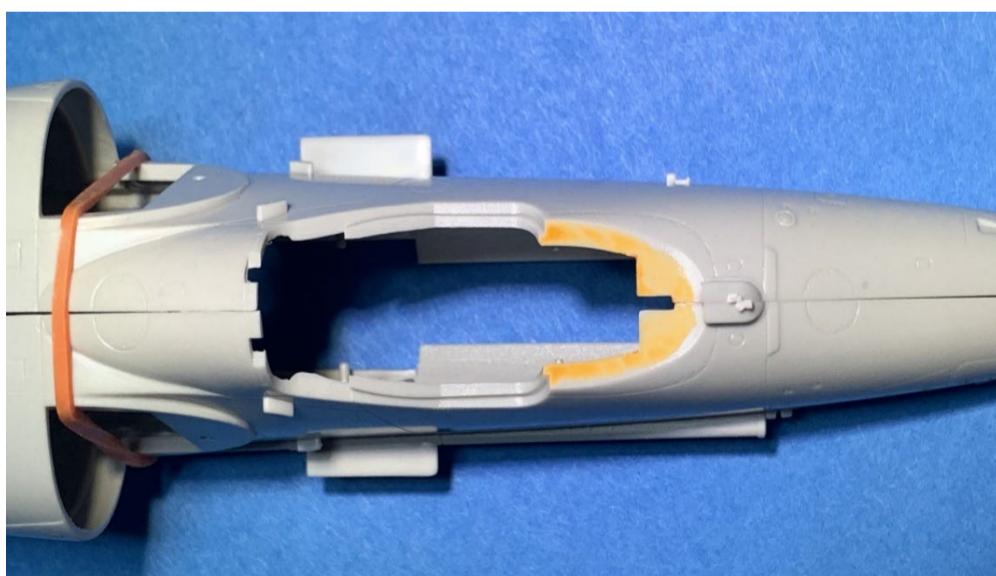
Remove all parts from casting blocks and clean-up castings.

**TIP:** Using a razor saw is the easiest way to remove the casting blocks. It is recommended to cut with a little extra material remaining and then flat sand the parts to fit exactly.

## Prepare KIT Parts

Cuts to some kit parts are required to fit the new components. It is essential to make accurate cuts to the kit parts and mount the new cockpit parts correctly to ensure that the kit's clear windshield and canopy parts (M9 & M10) will still fit correctly to the fuselage once everything is assembled.

### Fuselage Halves Kit Parts A1 & A2

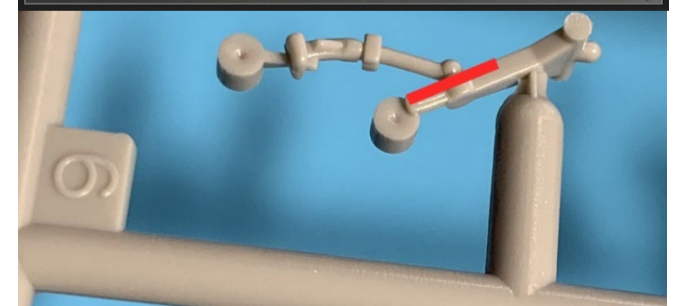


Use a razor saw, hobby knife, or your preferred method, to remove part of the upper fuselage edge (Orange Area in photo) to allow the new IP (Instrument panel) & HUD to fit inside.

**Note that the area behind the IP is visible on the real jet.**

Test fit the new IP/HUD

Cut part F6, Control Stick, as indicated by the red line in the picture at right.



Remove lower light beacon from Port wheel fairing. New part mounts outboard of centreline on starboard fairing.

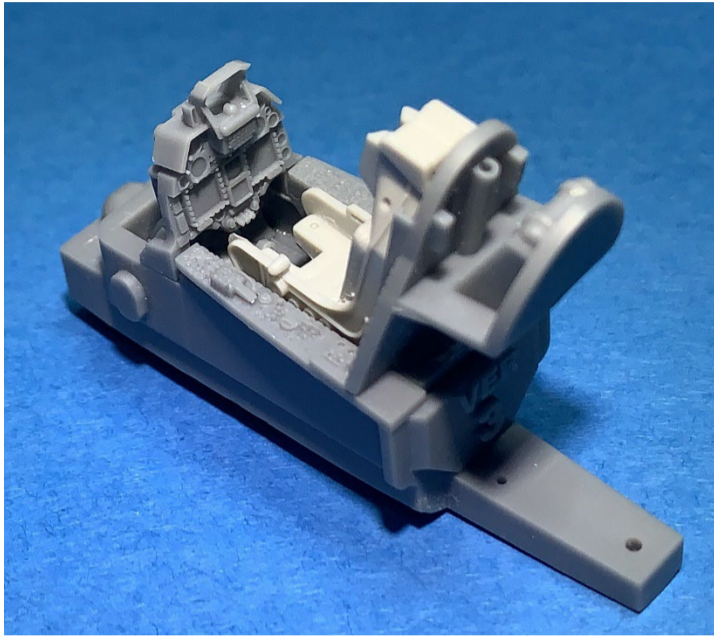
**Parts are now ready for assembly**

## Assemble Parts

Carefully dry-fit all parts and ensure alignment. Make any needed adjustments by minor sanding or edge clean-up.

Once you are happy with the fit, USE CA Super Glue to glue the Tub, Rear Deck and IP/Shroud together as shown.

**TIP: Use PVA to glue the IP/shroud to the tub instead. Now you can remove it after the tub and rear deck are glued in place, making masking the cockpit easier, with no chance of damage or overspray during build and painting. Attach IP/Shroud finally once painting is complete.**

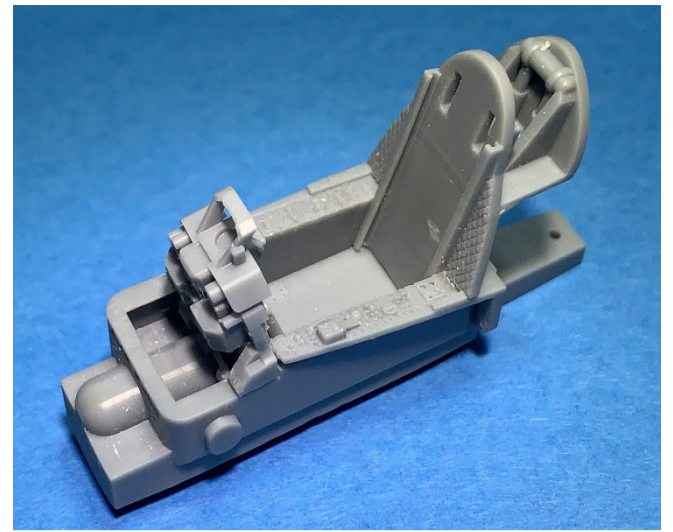
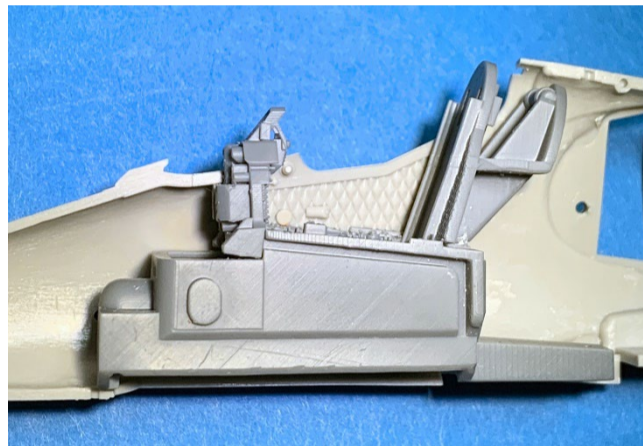


Note that the Control Stick (kit part F6) and new HOTAS Throttle are not shown in these photos.

Kit JOYSTICK part F6, Resin HOTAS THROTTLE and EJECTION SEAT can be glued in place before or after final cockpit installation or even at the end of your build when attaching final small parts.

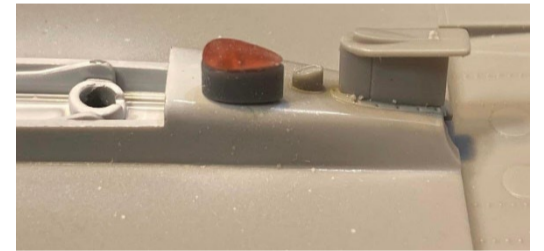
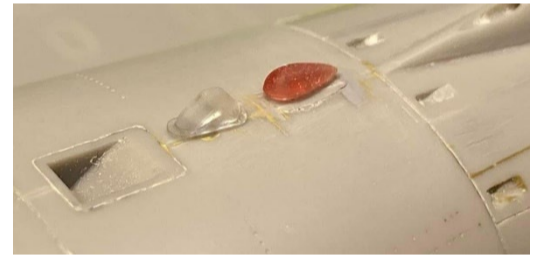
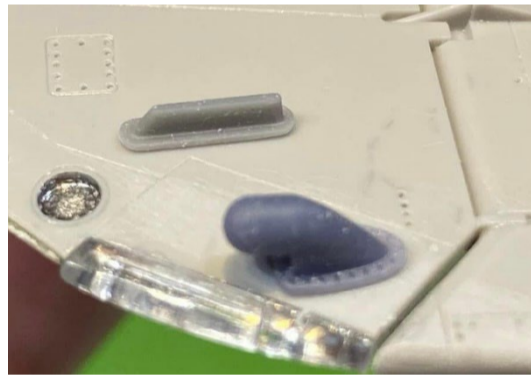
Slots on side of resin cockpit tub (Red slots in photo) align to the ridges in the kits' cockpit area (Orange ridge in photo).

Once you are happy with the fit, USE CA Super Glue to glue the Resin Parts to the kit parts. Fill any gaps as per normal kit construction.



## EXTERIOR PARTS

For positioning of antennas and lights, use the following photos or your reference (including the Walkaround listed on page 1). Also note that many of the locations have holes on the inside of the kit parts that can be drilled out to help with alignment and positioning. Pinning the Vertical tail mounted ILS antennas is recommended for strength.



Detailed Instructions & references @ <https://phasehangarresin.com/collections/48001-1-48/products/48092-f-15-eagle-standard-drop-tanks-set-of-2>

**TIP: PHR also sell Super Detailed ESCAPAC 1C-3/1F-3 Ejection seats for the A-4 – 48007/48008 AVAILABLE SEPARATELY**

## COMING SOON

PHR and Flightline Resin announce additional detail sets to further upgrade your Skyhawks.

48129 – Improved Intakes with correct Fan and single piece exhaust with turbine

48131 – TA-4K Cockpit set

481xx – Detailed weapons pylons with correct sway braces (Loaded and Unloaded)

481xx – Improved 300 gallon drop tanks from PHR & Flight Line Resin

481xx – Super detailed and Corrected landing gear with separate tires



**NOTES:** Clear parts maybe shown in instructions as solid prototype parts. PHR parts may come with or without 3D printed supports and maybe a different colour than shown in these photos. This is because printing technologies are constantly evolving and PHR will always use the best process to deliver the best product to the modeller.