



OA-4M

OA-4M COCKPIT UPGRADE SET

Masters by
Richard Vanzandt

Made in the USA

Instructions by
Jarrod Bradley

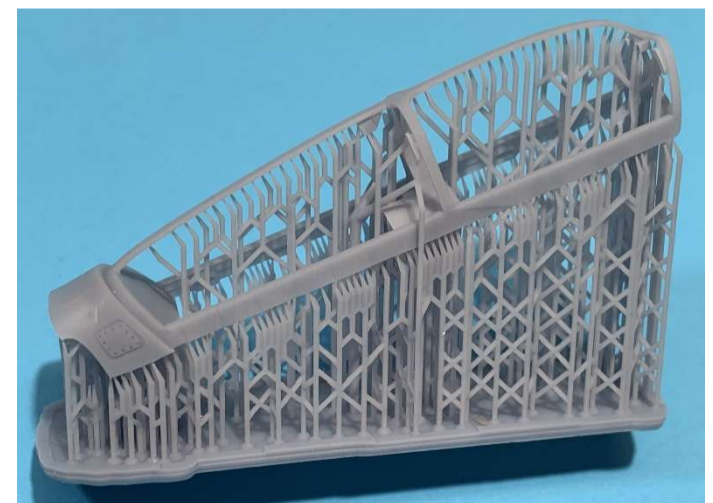
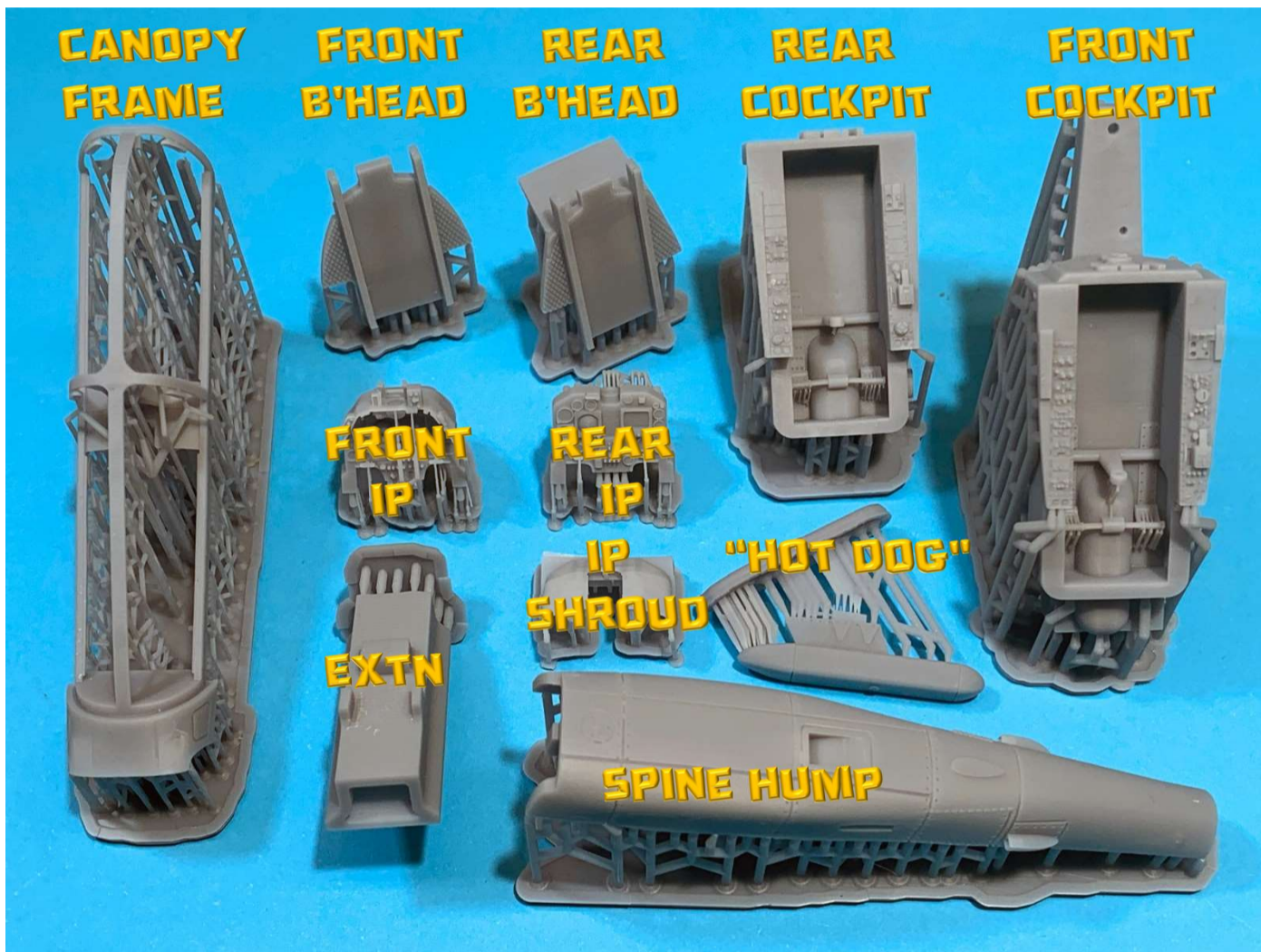
FITTED TO: 1:48TH HASEGAWA TA-4J KITS

PHR48146 OA-4M 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 TA-4J series of kits to the USMC OA-4M 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 SPINE ECM HUMP.

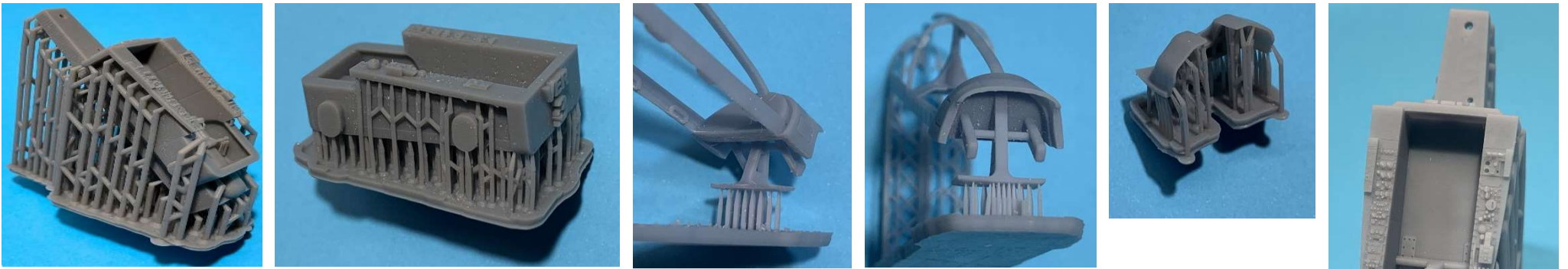
PHR Resin ESCAPAC 1C-3/1F-3 Ejection seat parts maybe included depending on the set you have purchased -not shown above.

Additional parts are required to upgrade the exterior of the model to the OA-4M fit. These are available from PHR 48056 OA-4M Skyhawk External Update Set or you could use the parts in the HASEGAWA A-4M set PT-33 (07233) which is still readily available.

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.

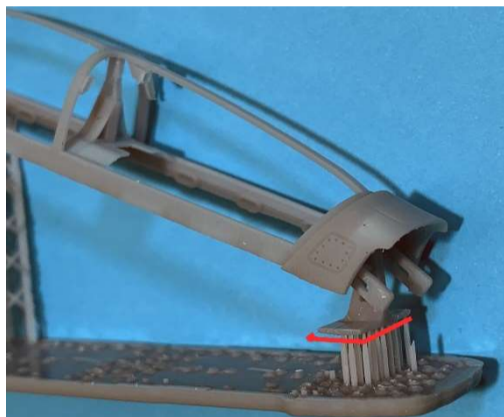
Prepare 3D PRINTED RESIN Parts

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.



CANOPY SUPPORT BASE



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.

Ensure you do NOT cut off canopy support base when removing supports – the base is slightly hidden amongst the printing supports.

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)

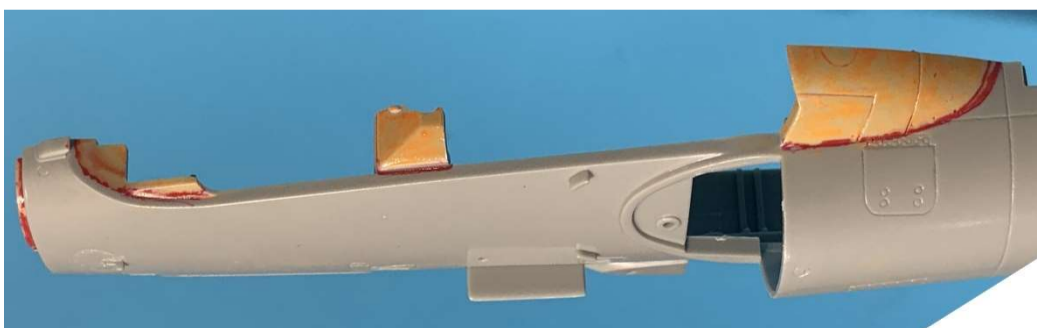
Remove all parts from casting blocks and clean-up castings.

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

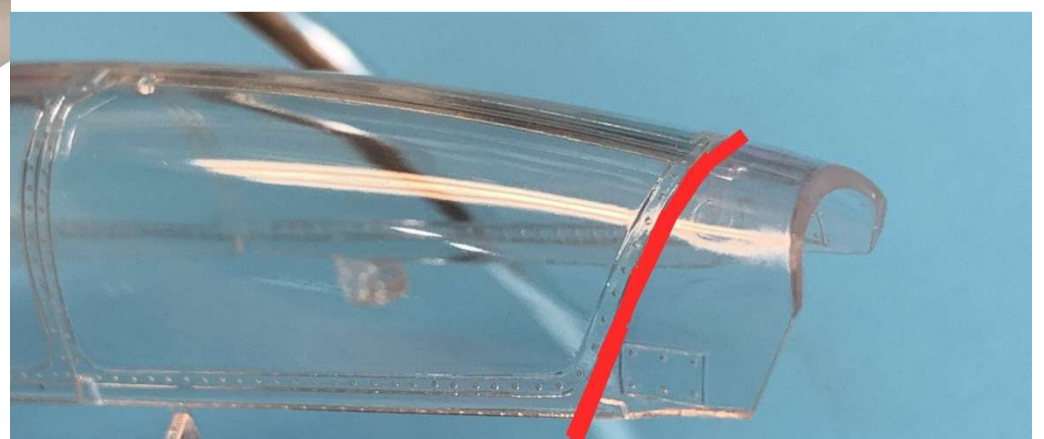
Cuts to some kit parts are required to fit the new components. It is essential to make accurate cuts to the kit parts and mount the new cockpit parts correctly to ensure that the kit's clear windshield and canopy parts (W1 & W2) will still fit correctly to the fuselage once everything is assembled.

Fuselage Halves Kit Parts A1 & A2



Use a razor saw, hobby knife, or your preferred method, to remove parts of the upper fuselage edge (parts A1 & A2 Orange Areas in photo) to allow the new IP (Instrument panel) & shrouds to fit inside.

Remove the rear portion of the decking – the resulting hole will be covered by the new canopy frame & New ECM Spine Hump but can be filled if desired.



Test fit the new IPs, Shrouds etc. The front of the nose area can be opened slightly to allow a looser fit of the front cockpit if needed.

Cut rear of canopy, part W1, at rear of riveted frame (as indicated by the red line in the picture) – this will match up to new 3D printed canopy frame.

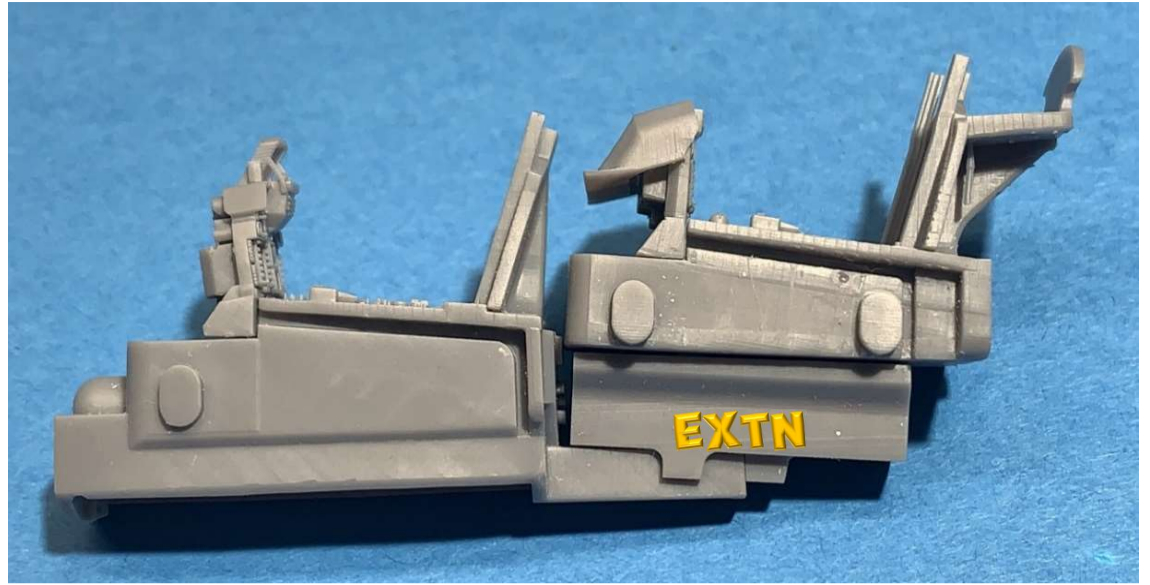
Parts are now ready for assembly.

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 Tubs, Rear bulkheads, and IP/Shrouds together as shown. Use the EXTN (Extension) part to lift the rear tub to the correct height.

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.



Slots on sides of resin cockpit tubs (Red slots in photo) align to the ridges in the kits' cockpit areas (Red ridge in photo)

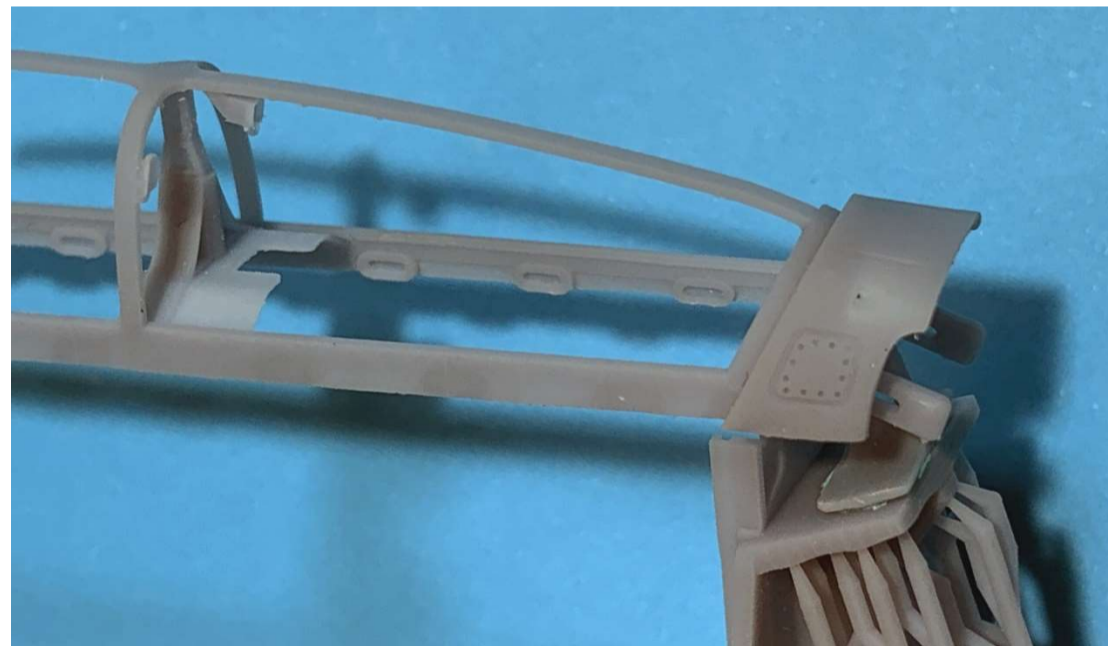
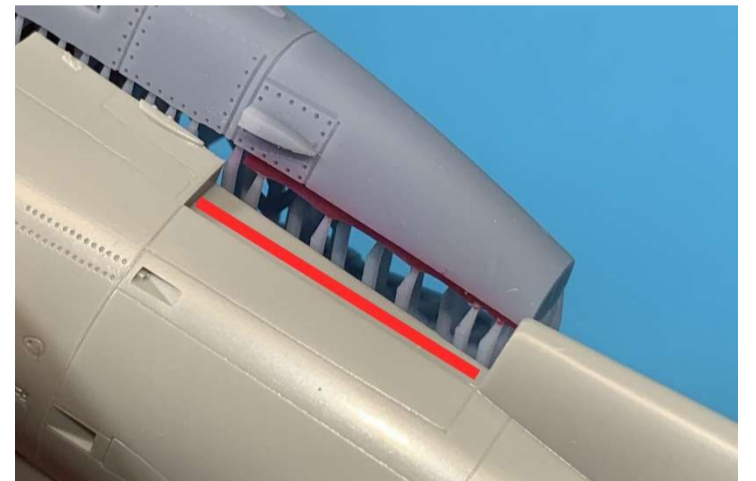
Once you are happy with the fit, USE CA Super Glue to glue the Resin Parts to the kit parts. Fill any gaps as per normal kit construction.

EJECTION SEATs can be glued in place before or after final cockpit installation or even at the end of your build when attaching final small parts.

EXTERIOR PARTS

Attach the "Hot Dog" antenna fairing to top of vertical tail – replaces Kit part A15.

Fit new Dorsal ECM SPINE HUMP on top of fuselage. Do not use kit part A13, the protrusion on the bottom, at the rear of the new HUMP fits the opening that A13 would have filled. Red area in photo at right



Carefully glue canopy frame to inside and rear of Clear Canopy (part W1) and glue Canopy support base to the top of REAR BULKHEAD – align with ejection seat rails and opening at front of new ECM Spine Hump.



ALSO AVAILABLE

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

FLR602 – A-4/TA-4 Seamless Exhaust set

48133 – Detailed weapons pylons with correct sway braces (Loaded and Unloaded)

48126 – Improved 300 gallon drop tanks from PHR & Flight Line Resin

FLR606 – 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.



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

AVAILABLE SEPARATELY if not included