HYPERSONIC models

HMR 48012 F-4 Phantom Slotted Stabilators

HMR 48013 F-4 Phantom Unslotted Stabilators

Resin part numbers:

There are three ways to use this set:

1 replace the kit stabs like-for-like without any modification of the kit plastic

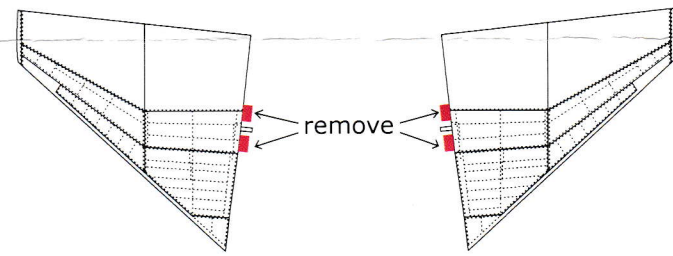
2 replace the kit stabs and replace the moulded-on cover plates with the PE parts supplied in this set

3 replace the kit stabs and cover plates and set stabs at an angle of choice

Remove resin parts from the casting blocks by lighly scoring the parting line with a scribing tool a few times and then with a sharp (new) hobby knife blade.

1 For Academy kits: use the resin stabs instead of the kit stabs. The alignment jig (last page) helps with setting the correct anhydral. I recommend using spreader bars inside kit parts O1 and Upper Fuselage to help with better fit and better look. See under topic "2".

For Hasegawa kits: remove mounting tabs as indicated (leaving only the centre pin) and lightly straighten out the mating surfaces to accomodate the straighter Hasegawa fuselage. Use alignment jig for setting the correct anhydral.



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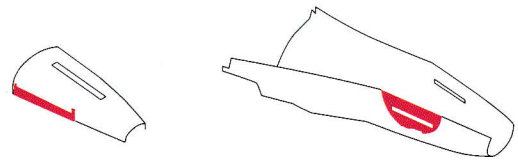
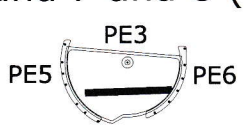
2 For Academy kits: remove raised cover plate detail on kit parts O1 and O2 as indicated below and sand smooth:

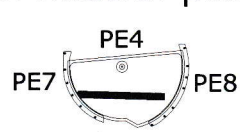


Assemble kit as usual, I recommend using spreader bars for better alignment of the upper fuselage and parts O1 and O2:

Use resin part No 1 as alignment guide for PE parts 3 (left hand) and 4 (right hand)- slide PE parts into place and apply a small amount of superglue, taking care **not** to glue the resin part. Take out resin part 1 and add guide rails, PE 5 and 6 (left hand) and 7 and 8 (right hand). In neutral position, this looks like this:



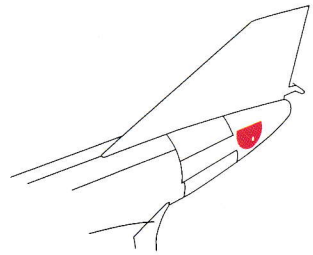
Left hand / port



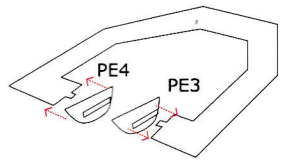
Right hand / starboard

Slot resin stabs in using the alignment jig as a guide.

For Hasegawa kits: remove raised plate area on kit plastic as indicated and sand smooth:

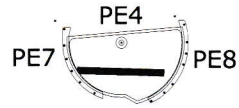


Assemble kit fuselage as usual. Take resin part No 4 and slide PE parts 3 (left hand) and 4 (right hand) on.



Now carefully fit this jig onto the kit furelage so that the pins slot into the holes for the stabs. Set the angle of attack at neutral and apply small amounts of superglue, taking care not to glue resin part 4.
Remove part 4 carefully and add guide rails PE 5 and 6 (left hand) and 7 and 8 (right hand). In neutral position it looks like this:

Left hand / port



Right hand / starboard

Remove the mounting tabs and straighten the mating surface on the resin stabs according to instruction item "1" (see other side) and fit stabs.

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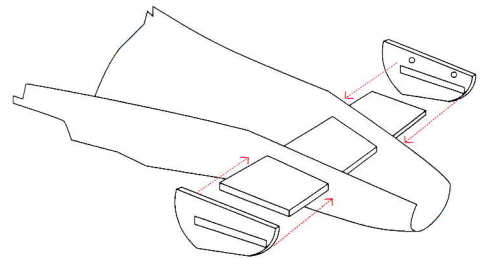
3 For Academy kits: remove and smooth raised plate areas as in "2" above.

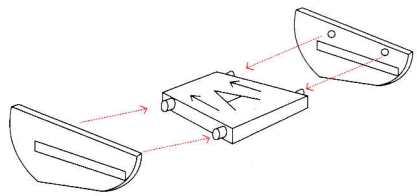
Use resin part No 1 and slide into slots on kit part O1. Use resin parts 5 and 6 and slide over part 1 so they sit on top of the kit plastic:



Hold the parts in place or fix them temporarily with tape, sticky glue, white glue etc. and then scribe the outline of parts 5 and 6 onto the kit plastic. Remove all resin parts and cut out the kit plastic along your scribed line (chain-drilling is a good method for this). Smooth out the cut and test fit parts 5 and 6.

Choose your desired angle of attack and make parts 5 and 6 fit into your cutout by trimming the corners that get in the way:

Now assemble the pivot block from resin parts 2, 5 and 6 (arrows point forward and letter "A" is on top:



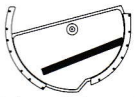
Tape the Upper Fuselage, parts O1 and O2 together and test fit your pivot block. Slot in resin part 1 again to check if left and right sides are level and any further adjustments or trimming is necessary (also check form above if everything is symmetrical).
Pull out part 1 and glue kit parts O1, O2 and the resin pivot block together (best use spreader bars as in instruction topic "2") and build the model as per kit instructions.
Insert resin part 1 once again and assemble the cover plates as per instruction topic "2". As you may not have your stabs in the neutral position, the plate will be out of neutral as well, however the guide rails always remain in the same position. Please refer to your references. Extreme examples:

Pitch down

Left hand / port

Right hand / starboard

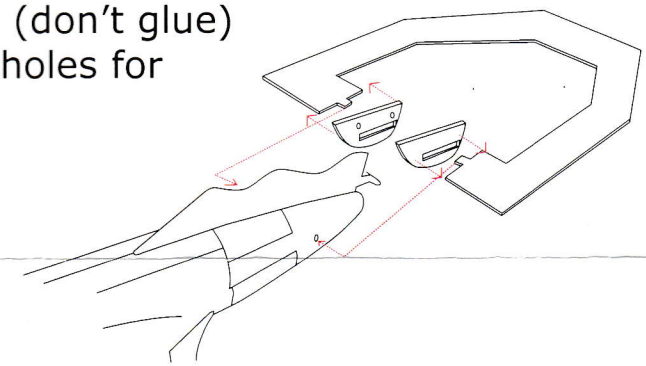
Pitch up



Left hand / port

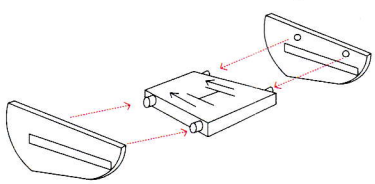
Right hand / starboard

For Hasegawa kits: remove and smooth raised plate areas as in "2" above.
Dry fit and align kit fuselage halves and tape them together securely.
Mount resin parts 5 and 6 onto resin part 4 (don't glue) and fit the pins on part 4 carefully into the holes for the stabs on the fuselage:



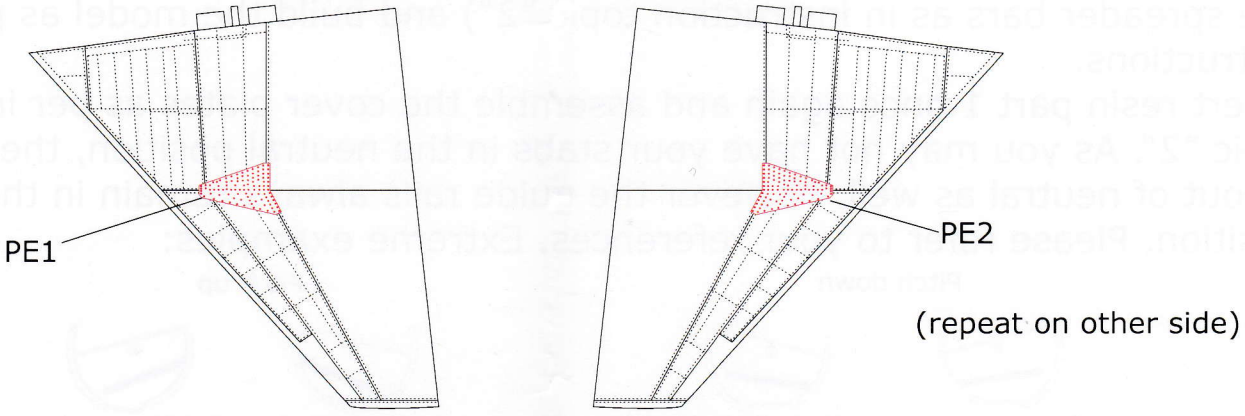
Hold assembly in place or fix temporarily with tape or sticky glue in neutral position and scribe the outline of parts 5 and 6 onto the fuselage. Remove everything and cut out the scribed areas (chain drilling works well). Smooth out the cuts and test fit parts 5 and 6.
Choose your desired angle of attack and make parts 5 and 6 fit into the cutout at this angle by trimming the corners that get in the way:

Now assemble the pivot block from resin parts 3, 5 and 6 (arrows point forward and letter "H" is on top):



Dry fit the block into the fuselage and use resin part 1 to check for alignment, levelling and symmetry of left and right. Remove everything and build up the fuselage as per kit instructions. Once the fuselage halves are securely glued together, insert the pivot block using part 1 as a handle. Check alignment once again and glue the block in place (NOT part No 1!).
After this, assemble the PE cover plates as lined out under the Academy instructions above.

r Air Force Phantoms, use PE parts No 1 and 2 on both top and underside of e stabilators. The shown diagram is in 1:48 scale:



Alignment jig for correct anhydral of stabilators (cut out /copy and transfer onto cardboard or plastic sheet):