



Pack 05 | Build Instructions

Your 1:18 model of the Japanese Zero is reproduced in the most exquisite detail, with electronics allowing you to recreate aeronautical operations such as take-off and landing, turning, firing and night combat. Lights, machine-gun and propeller sounds bring your legendary fighter plane to life.

In your fifth model pack, you will assemble:

STAGE 37: INSTALLATION OF THE AILERON OPERATING MECHANISM

STAGE 38: INSTALLING THE FLAPS

STAGE 39: INSTALLING THE LEFT AILERON

STAGE 40: INSTALLING A LEFT WING PART & OUTER FRAME

STAGE 41: RIGHT MAIN LANDING GEAR BASE

La hachette

STAGE 42: RIGHT MAIN LANDING GEAR BASE AND WHEEL

STAGE 43: ASSEMBLING THE RIGHT MAIN LANDING GEAR (1)

STAGE 44: RIGHT WING FRAME

STAGE 45: ASSEMBLING THE RIGHT WING







There are excellent videos showing how to build the Zero <u>here</u>.

Advice from the experts

Spare screws are included with each part. Occasionally, you may be instructed to keep spare or unused screws for a later stage. Keep these spares in a safe place and label them correctly.

Please make sure you don't mix up the screws. They look quite similar, but the threads do vary slightly. Using the wrong screws may damage the parts.

When securing parts together using multiple screws, fit each screw loosely to ensure all the parts are correctly aligned before gently tightening them firmly, but not overtight, in the order in which you placed them.

The screwdriver can be magnetised by stroking it with a magnet (fridge magnet, etc.) enabling it to hold the screws and make assembly easier.

If a screw is tight going into a metal part, do not force it as you may shear the head off. Remove it and put a tiny smear of Vaseline, soap or light oil on the thread. That will lubricate it and make it easier to drive home.

During the course of this build, you will receive many pieces that you will assemble immediately – following the instructions in the corresponding stage – and other pieces that you should store safely to one side, for use in future assembly stages.

When gluing parts together, glue may be applied to either of the two parts. Some experts find it asier to apply glue to a hole rather than a pin. Choose a method that works best for you.

It's a good idea to test fit your parts so that you can check their positioning before gluing.

Not suitable for children under the age of 14. This product is not a toy and is not designed for use in play. Keep the parts out of the reach of small children. Some parts may have sharp edges. Please handle them with care.



Stage 37: Installation of the Aileron Operating Mechanism

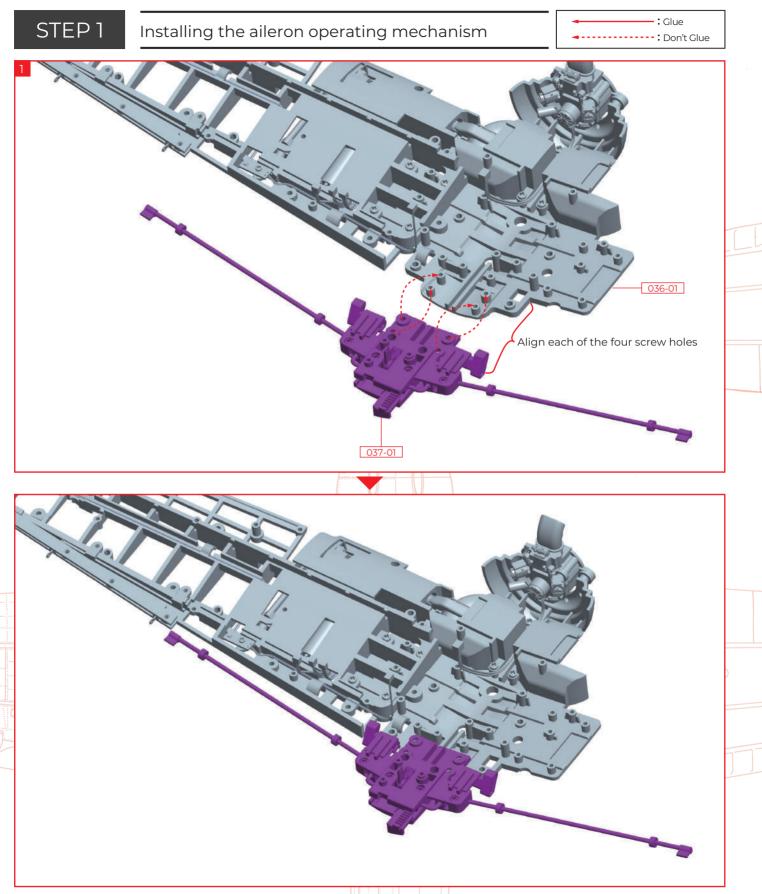
Stage 37 Assembly

Aileron Operating Mechanism

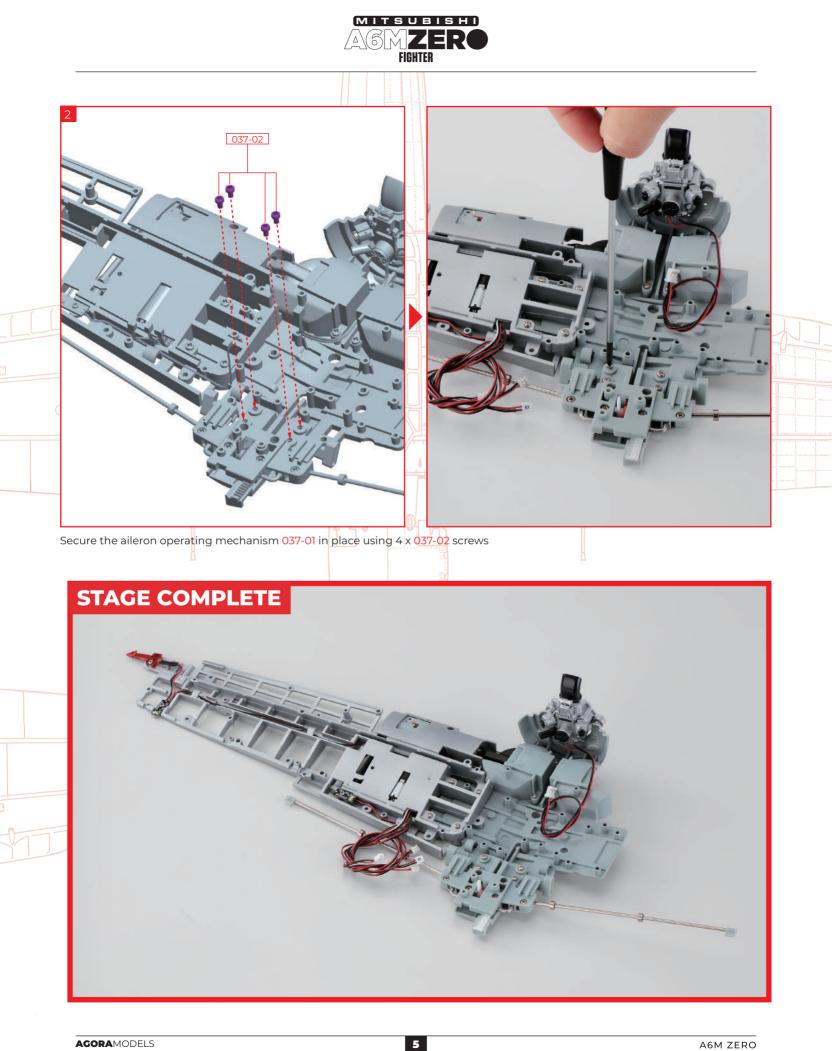
In this stage we'll be installing the operating mechanism which moves the aileron up and down to the wing base. This part of the plane will have electrical parts attached at a later point, so take due care.

STAGE 37 PARTS	PAI	RTS L	IST
037-01	Part 037-01	No.	Material Aileron operating mechanism
	037-02	5 (1 spare)	Steel
037-02			
You will also need: screwdriver			





Fit the aileron operating mechanism 037-01 into the main wing base frame 036-01 assembled in stage 36.





Stage 38: Installing the Flaps

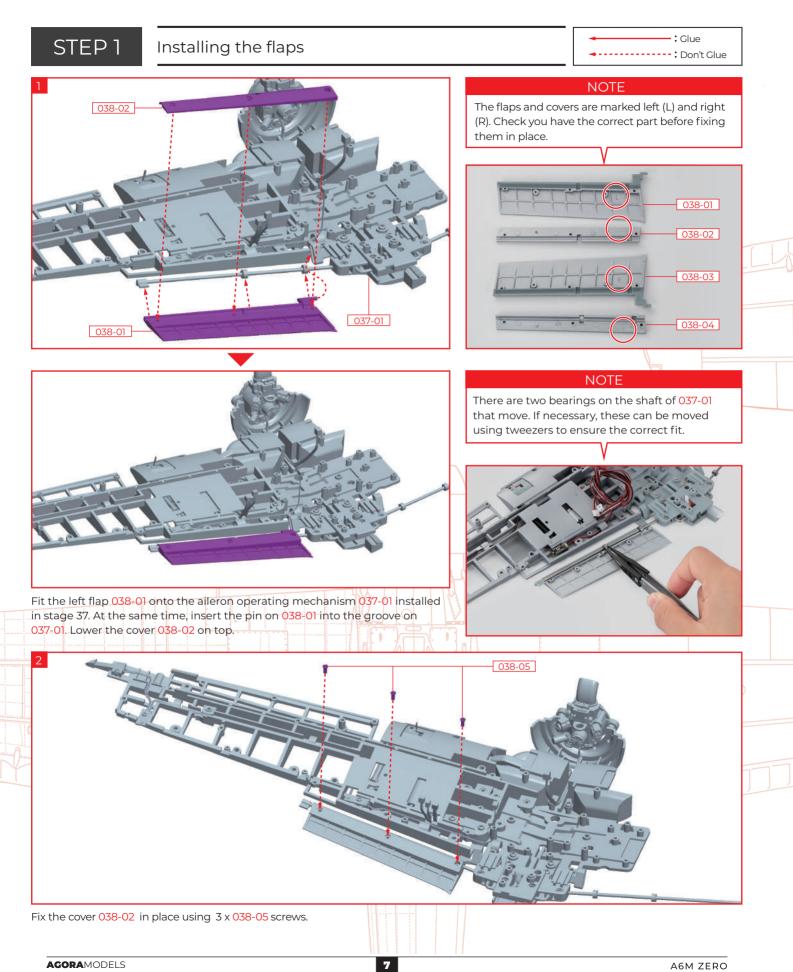
Stage 38 Assembly

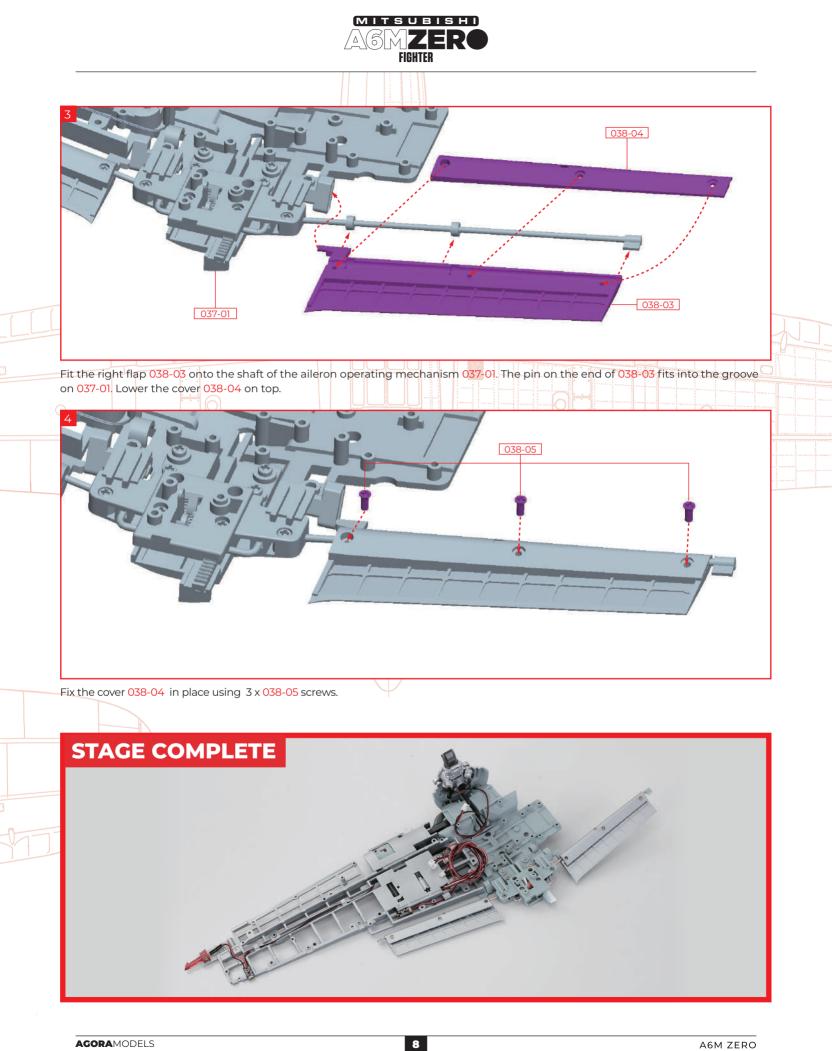
Flaps

In this stage we'll be attaching the left and right flaps to the shaft of the aileron operating mechanism we put together in stage 37.

STAGE 38 PARTS	PAR	RTS L	.IST
	Part	No.	Material
	038-01	1	ABS resin
Presenter Presenter	038-02	1	ABS resin
	038-03	1	ABS resin
TTTTTT	038-04	1	ABS resin
038-05 You will also need: screwdriver, tweezers.	038-05	7 (1 spare)	Steel









Stage 39: Installing the Left Aileron

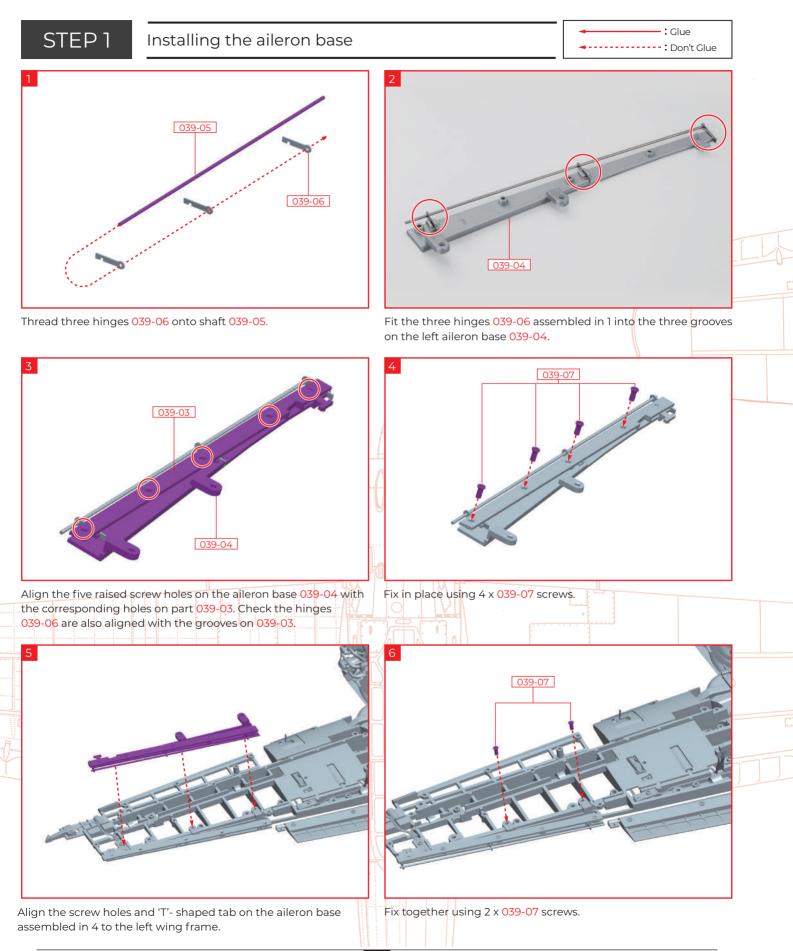
Stage 39 Assembly

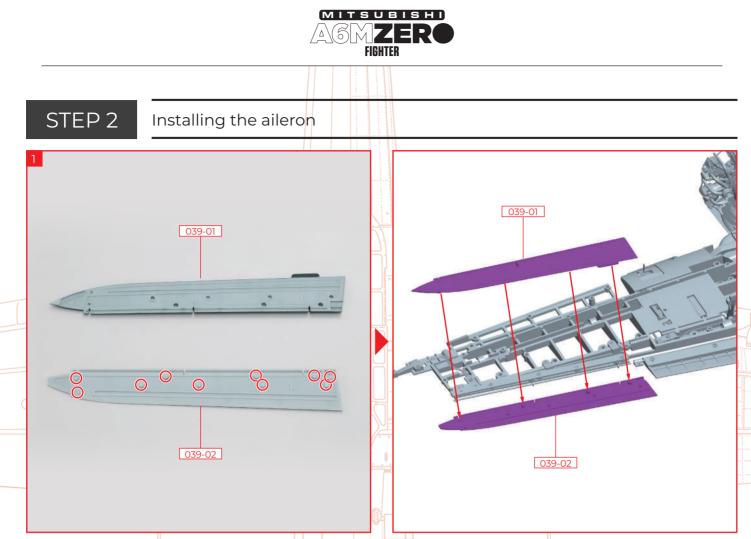
Aileron Base

In this stage we'll be installing the left aileron. Not inserting or fitting small parts properly or having them in a skewed position means the model won't work later on, so be careful.

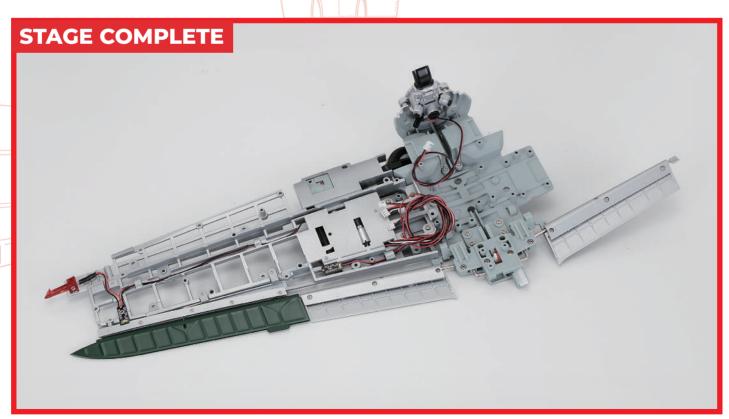
STAGE 39 PARTS	PAR	TS L	IST
STACE 39 PARTS	PAR Part 039-01 039-02 039-03 039-04 039-05 039-06	No. 1 1 1 1 3	LIST Material ABS resin ABS resin ABS resin ABS resin Steel Steel
You will also need: screwdriver, tweezers, superglue	039-07	7 (1 spare)	Steel







Position the lower surface of the aileron 039-02 underneath the aileron base so that the three hinges rest in the three grooves. Apply superglue to the ten lugs, then press the hinge with the small hole on the end of the control mechanism 037-01, firmly into the square recess. Lower the upper surface of the aileron 039-01 on top and squeeze the parts together to fix.





Stage 40: Installing Left Wing Support Fittings and the External Panel Frame

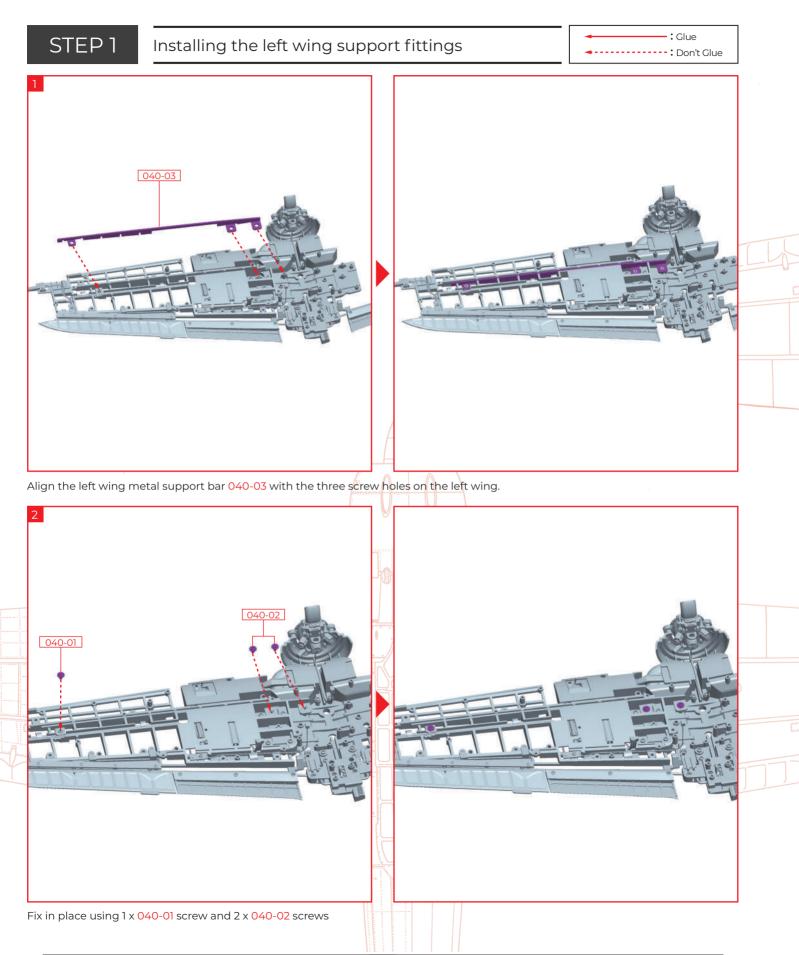
Stage 40 Assembly

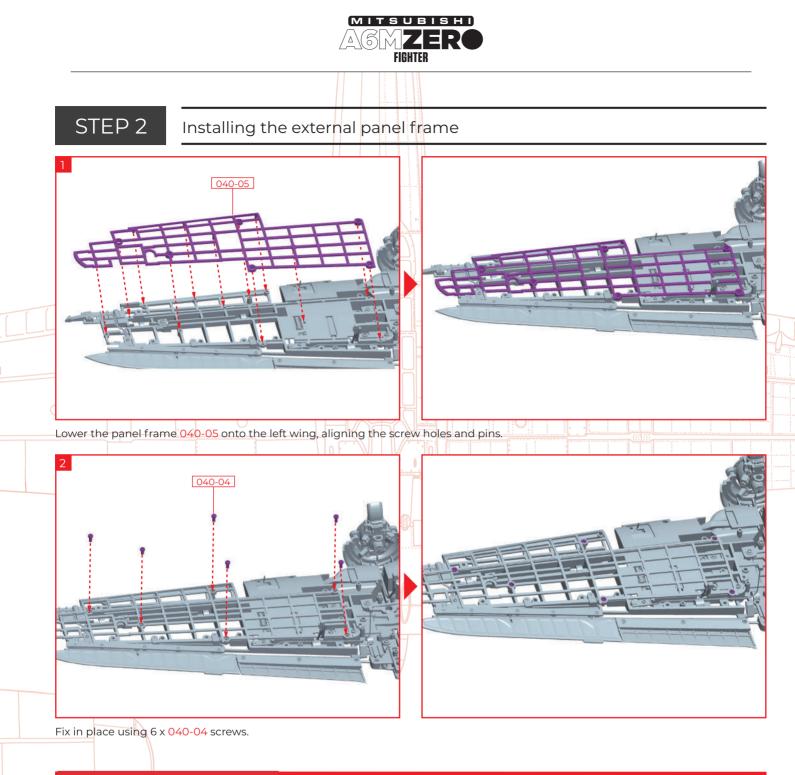
Left Wing Support & Frame

In this stage we'll be installing support fittings for the left wings as well as the frame we'll attach the external panels to later.

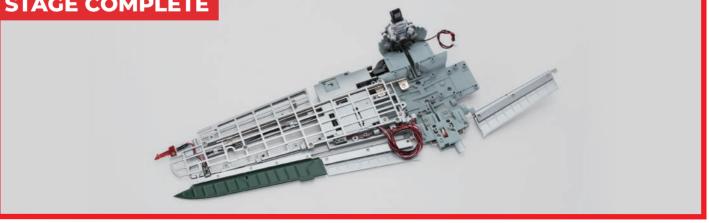
STAGE 40 PARTS	PAR	RTS L	.IST
040-01 040-02	Part	No.	Material
	040-01	2 (1 spare)	Steel
	040-02	3 (1 spare)	Steel
	040-03	1	Steel
	040-04	7 (1 spare)	Steel
You will also need: screwdriver	040-05	1	ABS resin







STAGE COMPLETE





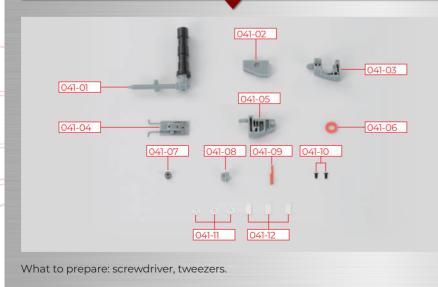
Stage 41: Assembling the Base for the Right Landing Gear

In this stage we'll be assembling the base for the right landing gear. Setting the positional rod and gear will require a good deal of accuracy and precision.

Stage 41 Assembly

Right Landing Gear Base

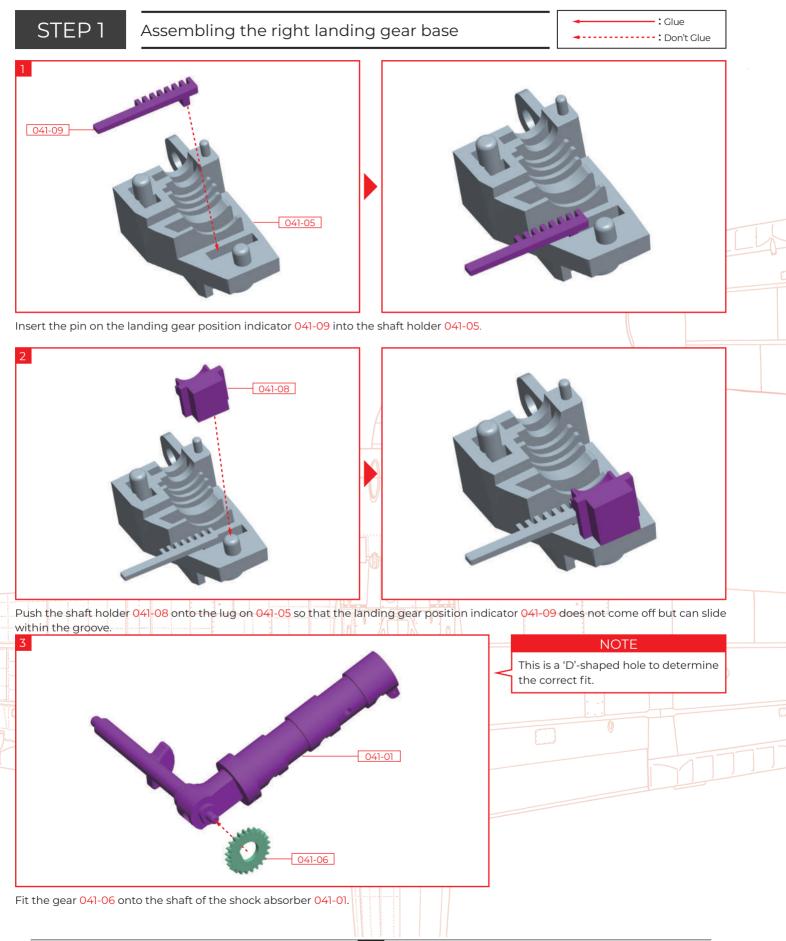
STAGE 41 PARTS

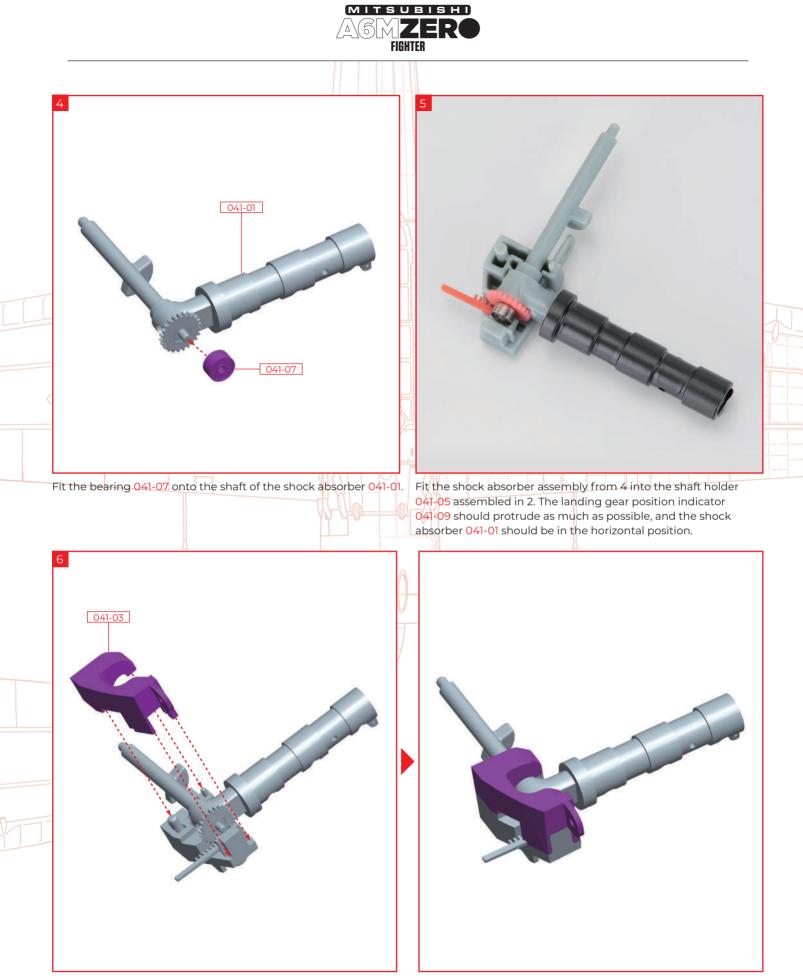


PARTS LIST

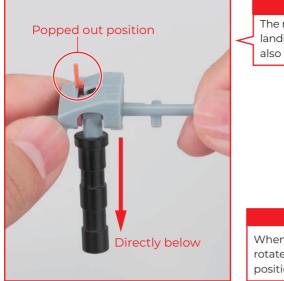
 Part	No.	Material
041-01	1	ABS resin
041-02	1	ABS resin
041-03	1	ABS resin
041-04	1	ABS resin+Steel
041-05	1	ABS resin
041-06	1	Plastic
041-07	1	Steel
041-08	1	ABS resin
041-09	1	Plastic
041-10	2 (1 spare)	Steel
041-11	3 (1 spare)	Washer
041-12	3 (1 spare)	Liner











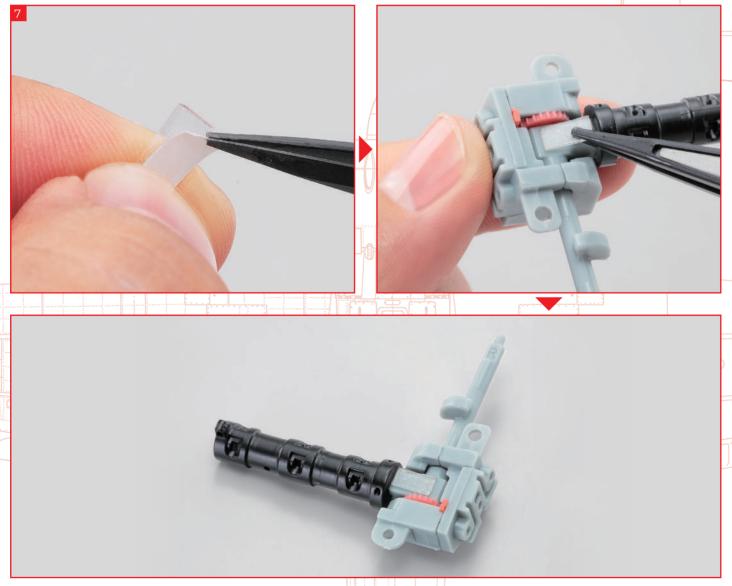
NOTE

The main landing gear is out. The landing gear position indicator 041-09 also pops out.

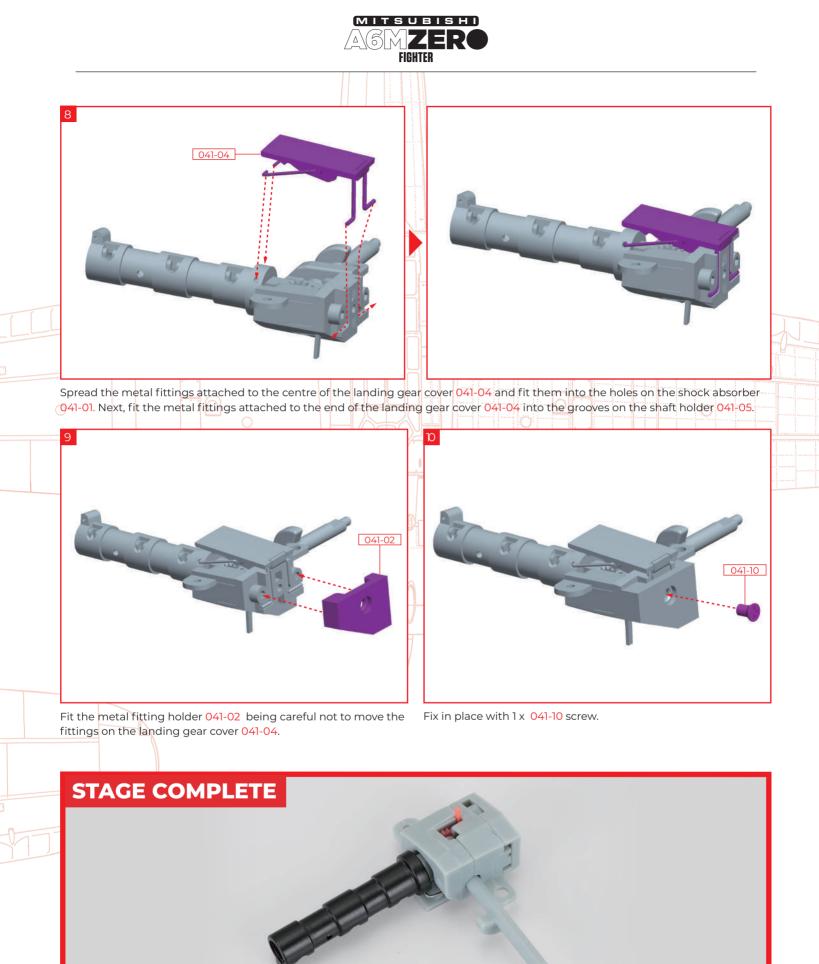
NOTE



When the shock absorber 041-01 is rotated 90 degrees, the landing gear position indicator 041-09 is pulled in.



Peel the backing off the liner 041-12 and position on the shock absorber 041-01 in the position shown.





ADJUSTMENT OF LEFT MAIN LANDING GEAR AND SWITCH

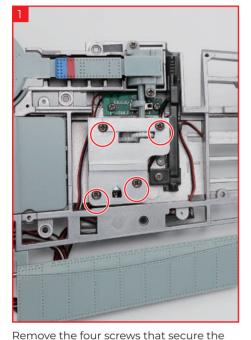
When the left main landing gear assembled in Stage 28 is pulled out from the base, it may not be perpendicular to the ground. In addition, the left main landing gear switch installed in Stage 33 may not be completely pressed. Both may be adjusted with the parts in this stage as follows...

You will also need: screwdriver, tweezers.

STEP 1

Left main landing gear switch key

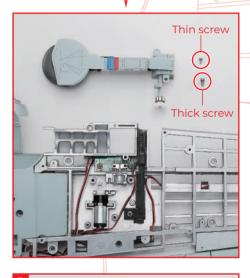
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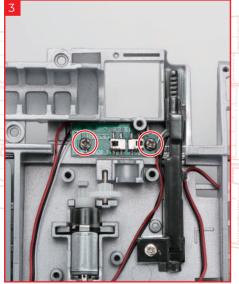




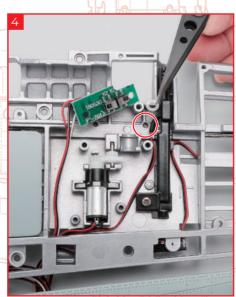
Remove the two screws that secure the left main landing gear and remove it.

NOTE The two screws that secure the left main landing gear are different sizes, so be careful not to make a mistake when reattaching.

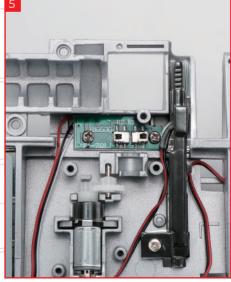




Remove the two screws fixing the left main landing gear switch 033-03, and then gently lift up the switch to reveal the holes underneath.



Place the washer 041-11 over the right screw hole. Replace the switch, carefully sandwiching the washer in place.



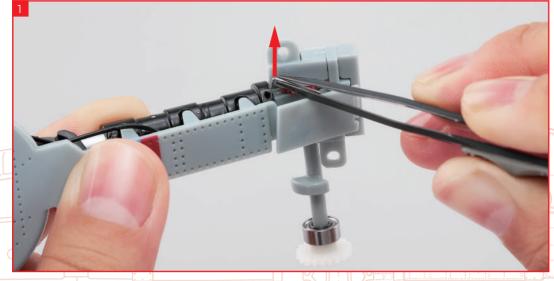
Re-fix the left main landing gear switch 033-03 with the two screws taking care not to shift the washer.

left main landing gear motor cover 032-01 and remove the cover.

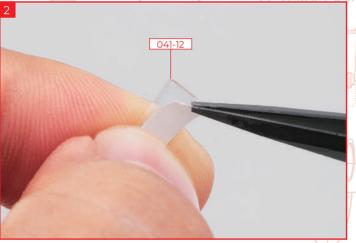




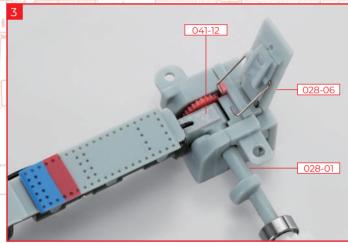
Adjusting the angle of the left main landing gear



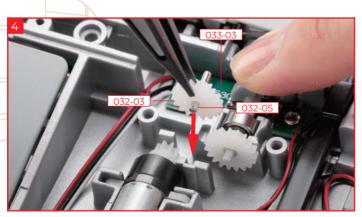
Taking the main landing gear removed in STEP 1, remove the metal fittings of the cover on both sides.



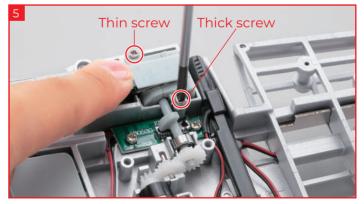
Remove the backing from liner 041-12 using tweezers.



Attach the liner 041-12 to the shock absorber 028-01 in the position shown and then replace the metal fittings removed in 1.



Fit the landing gear into its original position on the frame. If it isn't fitting correctly, remove the gear 032-03 and shaft 032-05, then fit the landing gear again before returning 032-03/032-05 to its position, pressing the shaft to ensure it comes into contact with the switch.



Hold the left main landing gear so that it doesn't float, and fix it with the two screws. Be careful not to make a mistake, as the front is a thin screw and the back is a thick screw.



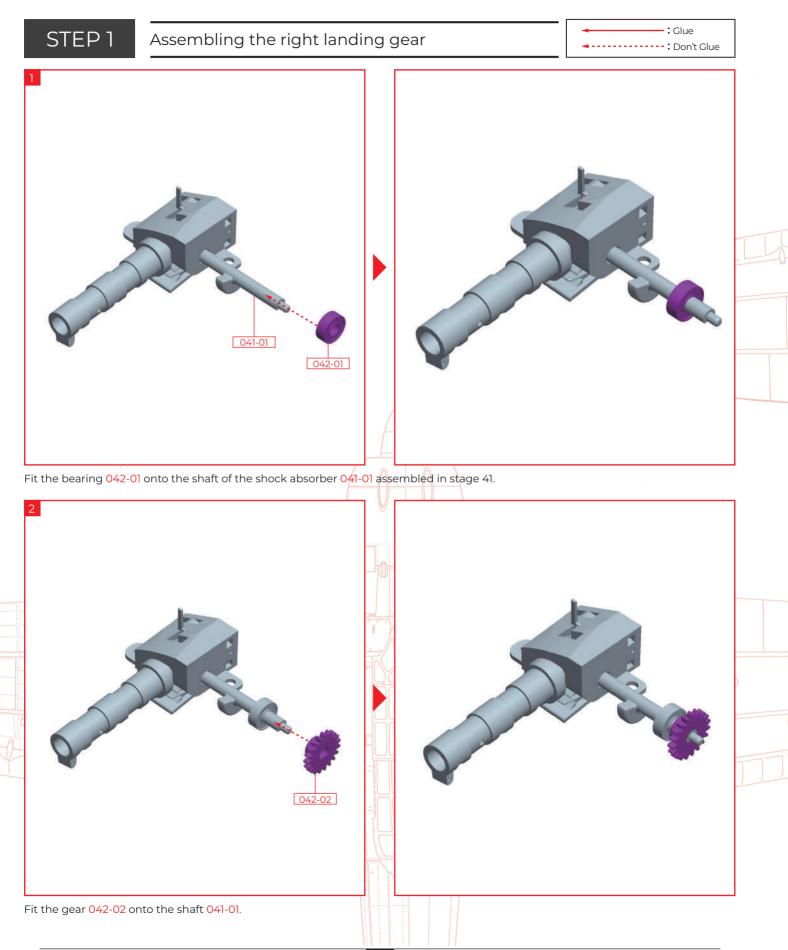
Stage 42: Right Landing Gear Base and Wheel

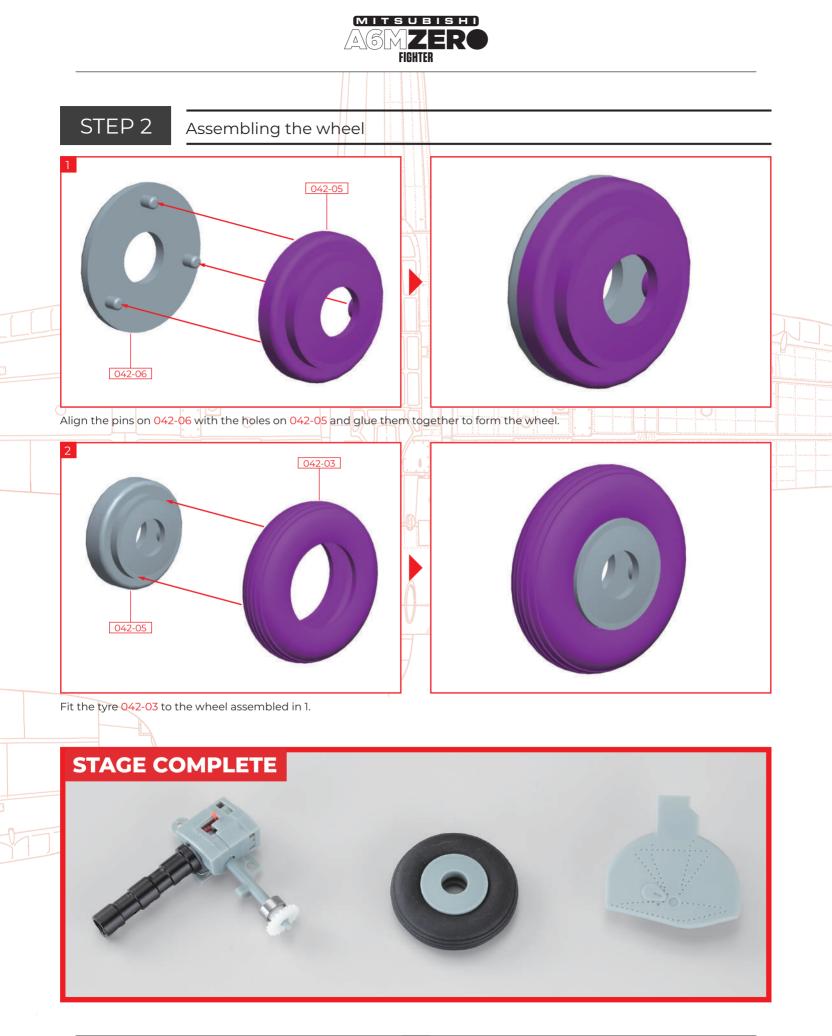
In this stage we'll add another gear to the right landing gear base and assemble the wheel. Looking at the exquisitely designed landing gear retraction system you really start to feel like you're looking at the real thing, even at this incomplete stage. Stage 42 Assembly

Right Landing Gear Base & Wheel

STA	GE 42 PAI	RTS	PAR	TS L	IST
042-01	042-02	042-03	Part	No.	Material
	042-02	042-05	042-01	1	Steel
۲	ė	0	042-02	1	Plastic
		-	042-03	1	PVC
	•	0	042-04	1	ABS resin
042-04	042-05	042-06	042-05	1	ABS resin
u will also need: tweezers, supe 42-04 will not be used in this s	erglue stage. Keep it in a	safe place until required at a	042-06	1	ABS resin









Stage 43: Assembling the Right Landing Gear (1)

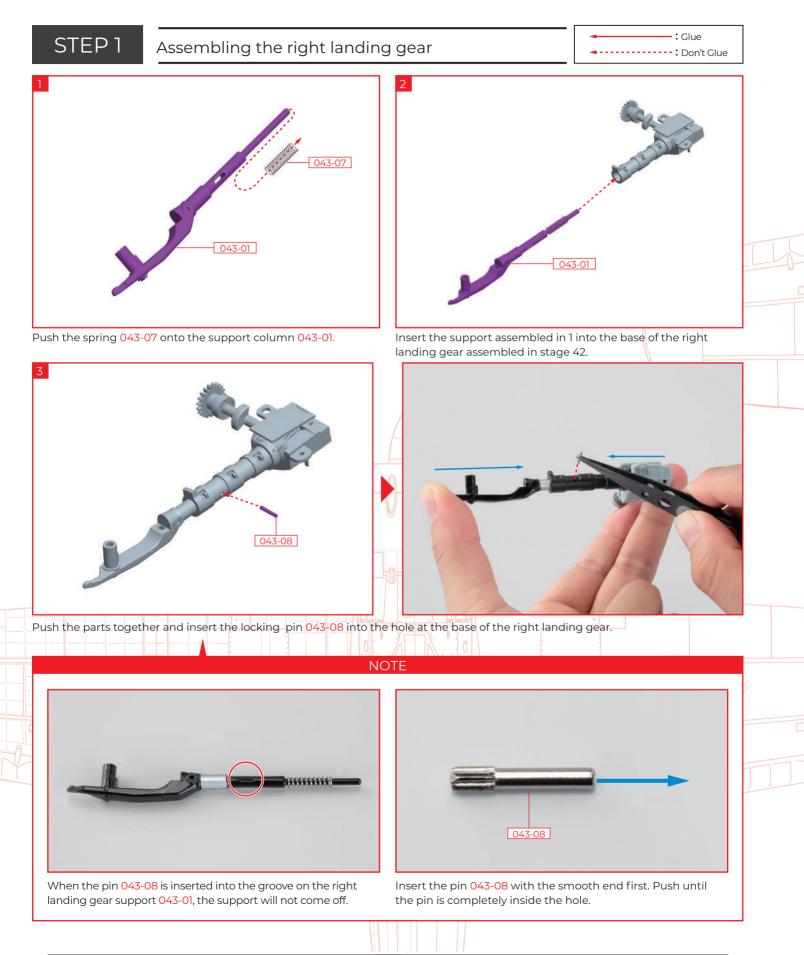
In this stage we'll be assembling the part of the landing gear which absorbs the actual impact of landing the aircraft. Stage 43 Assembly

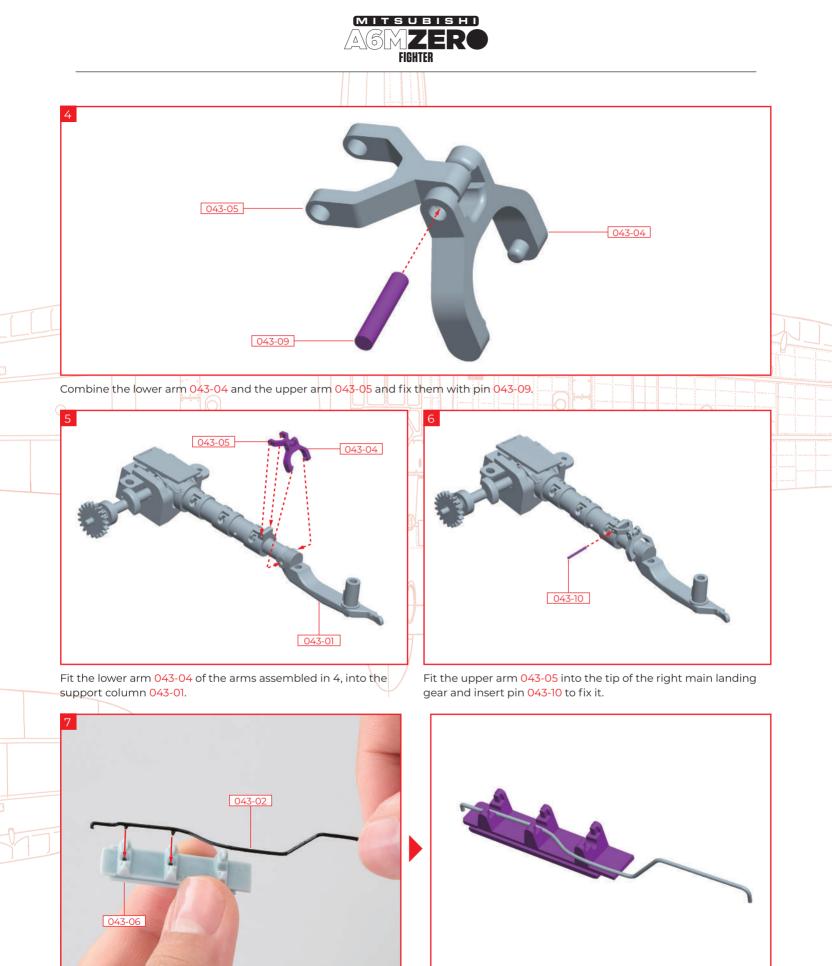
Right Landing Gear

-	STAGE 43 PAR	(15	
043-01	-	•	043-03
043-02		(••••••••••••••••••••••••••••••••	043-06
043-04			
043-07		3-09 043-10	
You will also nee	ed: superglue, tweezers.		

PARTS LIST						
	Part	No.	Material			
	043-01	1	Die-cast			
	043-02	1	ABS resin			
	043-03	1	ABS resin			
	043-04	1	ABS resin			
	043-05	1	ABS resin			
	043-06	1	ABS resin			
	043-07	1	Steel			
	043-08	1	Steel			
	043-09	1	Steel			
	043-10	1	Steel			

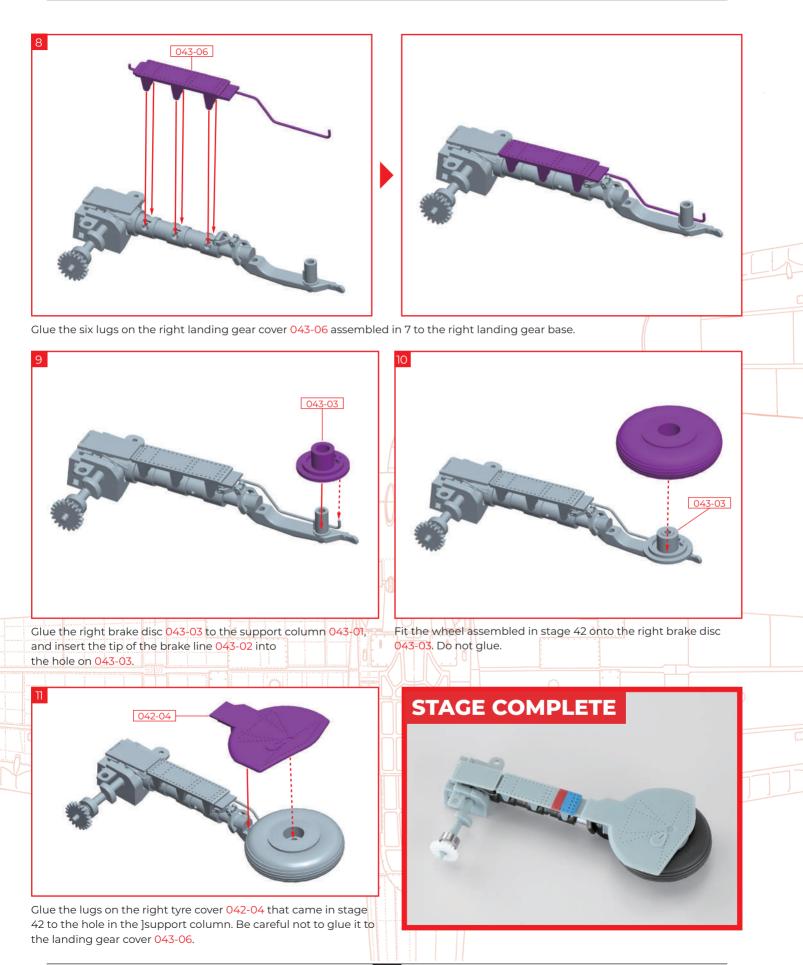






Glue the lugs on the brake line 043-02 to the two holes in the right landing gear cover 043-06.







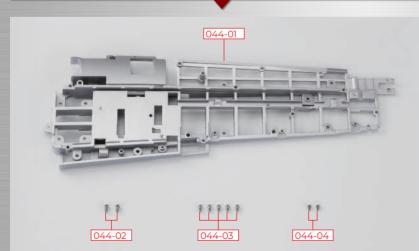
Stage 44: Right Wing Frame

Stage 44 Assembly

Right Wing Frame

In the next stage we'll start assembling the right wing. We'll firstly attach the frame which will act as the skeleton for all of the future parts we'll attach.

STAGE 44 PARTS



	PARTS LIST					
_						
-	Part	No.	Material			
	044-01	١	ABS resin			
	044-02	2 (1 spare)	Steel			
	044-03	5 (1 spare)	Steel			
	044-04	2 (1 spare)	Steel			

Unpack this part and move straight on to the next stage for assembly.



Stage 45: Assembling the Right Wing Tip Light

In this stage we'll carry on working on the right wing, inserting gears and adding the wing tip light. Be extra careful as this involves electronic components to make the Type 0 come alive.

STA	٩GE	45	PA	RT	S

Stage 45 Assembly

Wing Tip Light

045-01	045-02	045-03
	045-05	045-06
045-04		045-07

PAR	IS	LIST

•				
	Part	No.	Material	
	045-01	1	ABS resin	
	045-02	1	Plastic	
	045-03	1	Plastic	
	045-04	1	LED	
	045-05	1	Steel	
	045-06	5 (1 spare)	Steel	
	045-07	4 (1 spare)	Steel	

You will also need: screwdriver, tweezers.

*045-01 & 045-06 will not be used in this stage. Keep them in a safe place.



