



# Pack 01

## BUILD INSTRUCTIONS

STAGE 01: ASSEMBLING THE FRONT BODY PANEL AND THE LICENSE PLATE BRACKET

STAGE 02: MOUNTING THE BUMPERS AND LICENSE PLATE ONTO THE FRONT BODY PANEL

STAGE 03: ATTACHING THE HOOD REINFORCEMENT, LATCHES AND VENTS

STAGE 04: BUILDING THE FIRST WHEEL

STAGE 05: ASSEMBLING THE FUEL INJECTION UNIT

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## Advice from the experts

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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 magnetized 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.

Left and Right! When building your Corvette, the left- or right-hand side refers to that side as if you are sitting in the car.



**WARNING:** Some parts are assembled using magnets. These magnets can cause serious injury if they are swallowed. Keep away from children. If you suspect a magnet has been swallowed, seek medical help straight away.

# Stage 01: Assembling the Front Body Panel and the License Plate Bracket

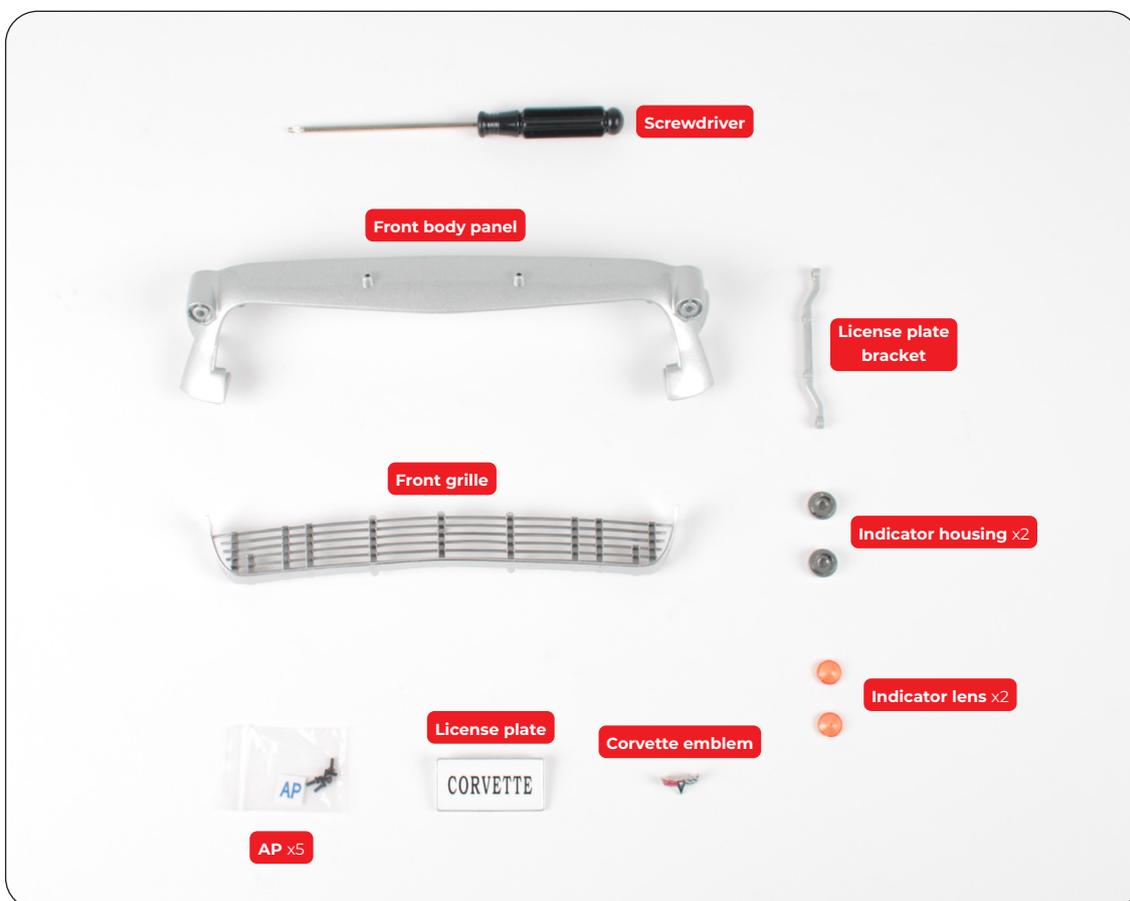
In the first stage of building your Corvette Sting Ray, you'll assemble the front body panel by installing the grille and fitting the indicators. You'll also attach the license plate to its bracket ready to be mounted in the next stage.

The Corvette emblem supplied can be stored away safely until needed.

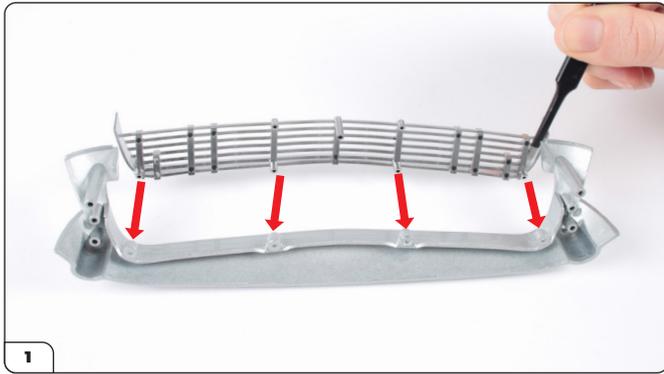


## STAGE 01 PARTS LIST

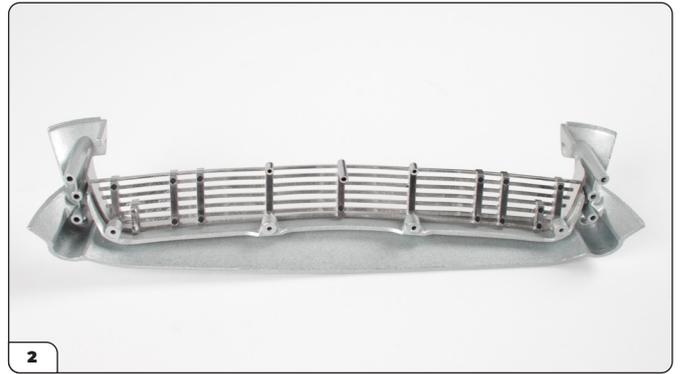
Name
Screwdriver
Front body panel
License plate bracket
Front grille
Indicator housing x2
Indicator lens x2
License plate
Corvette emblem
AP screws x5



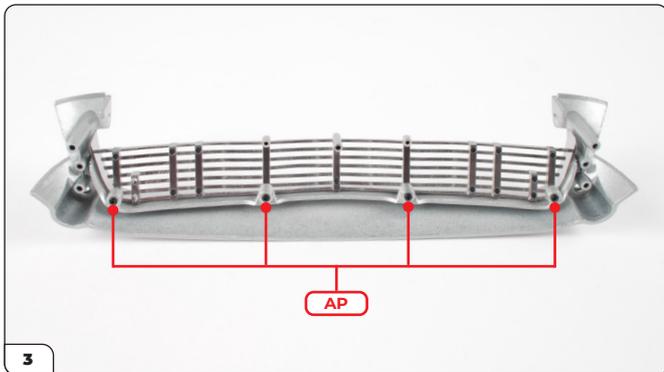
# Stage 01: Assembling the Front Body Panel and the License Plate Bracket



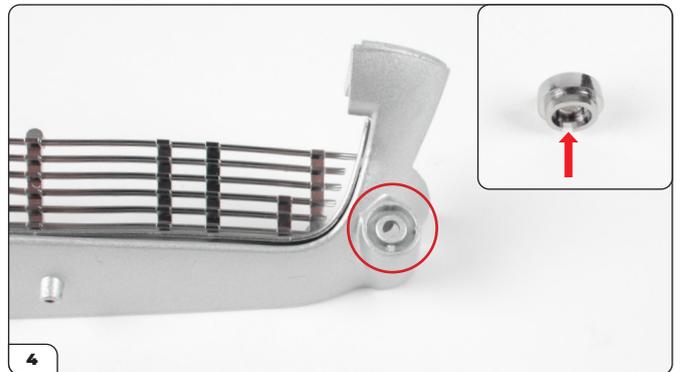
To begin, take the front body panel and align the front grille with it as shown. There are four raised screw holes on the grille which correspond with four holes on the panel (arrows). Take care when handling the grille so as not to damage the grating.



Position the grille's raised screw holes into the holes of the body panel.



Secure the grille to the panel using 4x AP screws.



Place the body panel on your work surface so that the front is facing you. As you can see, there is a recess for fitting the indicator (circled) which is shaped to fit the notch found in the indicator housing (inset, arrow).

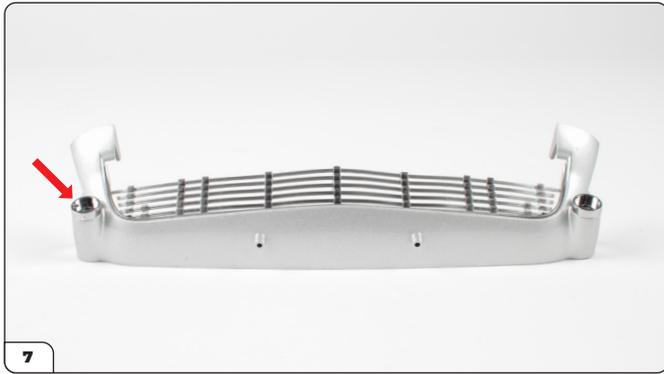


Align one of the indicator housings with the recess on the left-hand side as shown.

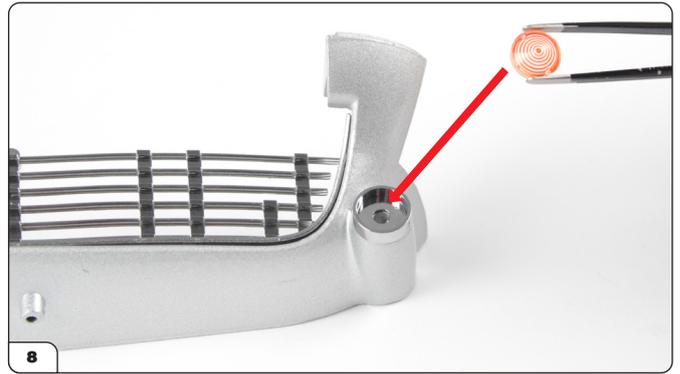


Using the notch as a guide, fit the housing into the body panel.

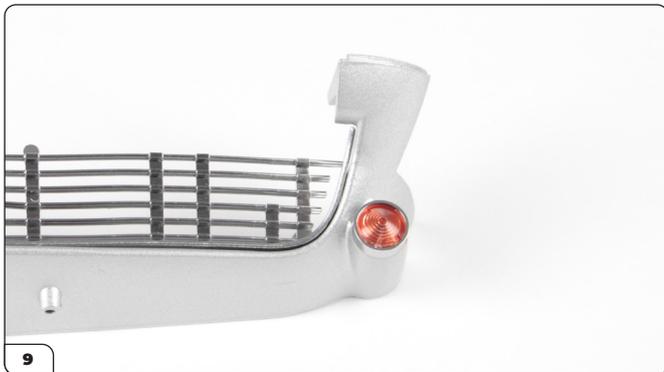
# Stage 01: Assembling the Front Body Panel and the License Plate Bracket



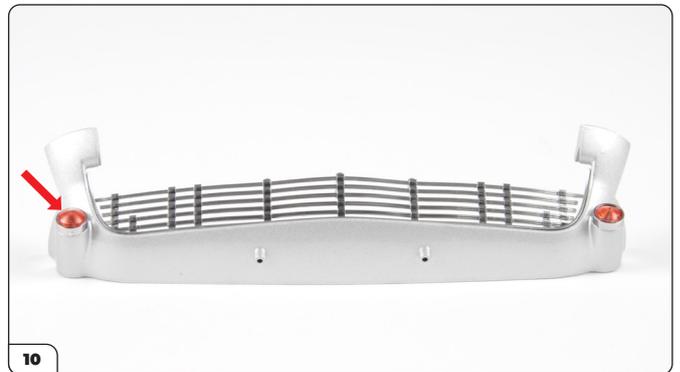
Fit the remaining indicator housing into the recess on the right-hand side in the same way (arrow).



With the housings in place, take one of the indicator lenses and align it with a housing as shown.



Press the lens into the housing. The lens is ridged on the underside – make sure the fit is flush all the way round.



Take the remaining indicator lens and press it into the other housing in the same way (arrow).



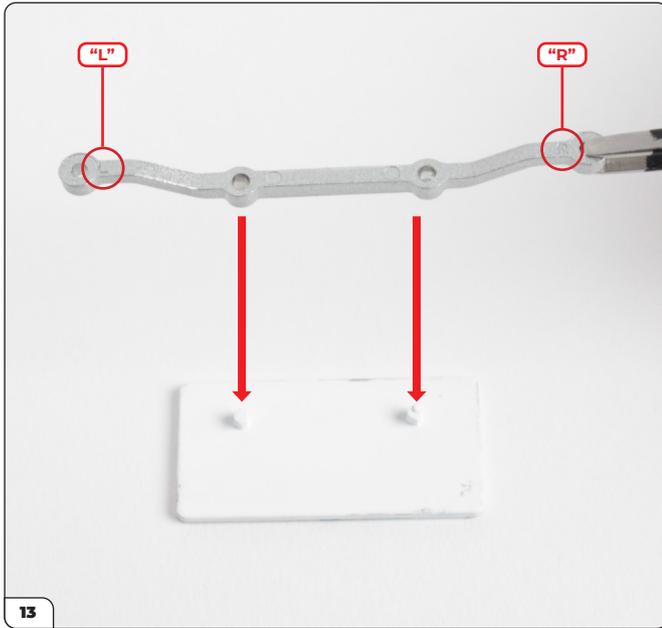
Next you'll fit the license plate. Take the plate and its bracket then place them on your work surface.

Note: If you are building the Limited Edition, you may prefer not to fix the standard license plate until you have the Limited Edition version.



The bracket is marked with an "L" (left) and an "R" (right) to ensure it is fitted in the correct orientation (circled).

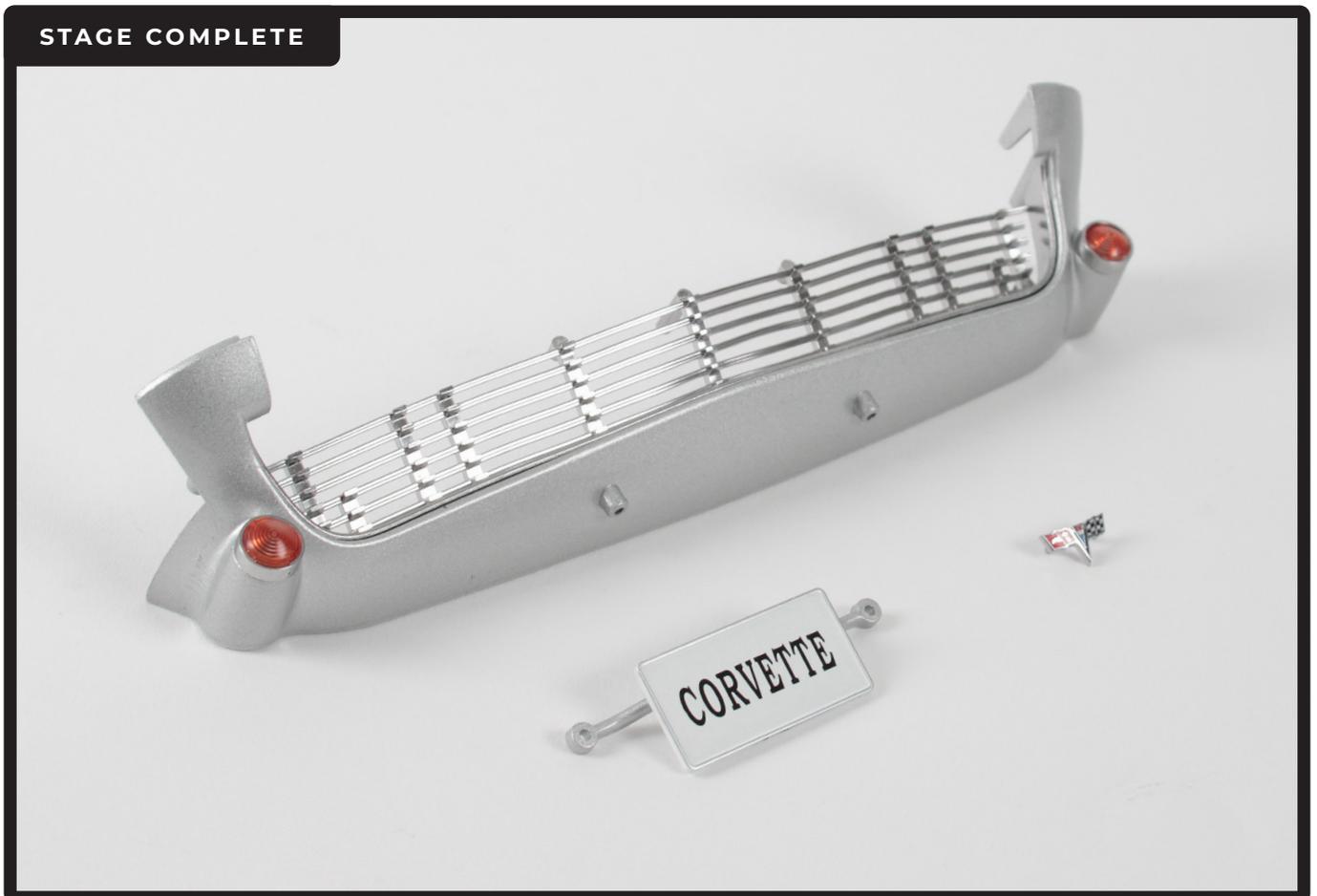
# Stage 01: Assembling the Front Body Panel and License Plate Bracket



Turn the license plate over and orient it so that the pins are towards the top of the part as shown. Align the bracket with the plate with the "L" on the left and the "R" on the right.



Press the bracket into place by fitting the holes of the bracket over the pins of the license plate.



## Stage 02: Mounting the Bumpers and License Plate onto the Front Body Panel

For this stage, you'll start by attaching the license plate bracket to the front bumpers, then mount the assembly onto the front body panel from Stage 01.

The hood can be set aside for now until it is needed in the next stage.



### STAGE 02 PARTS LIST

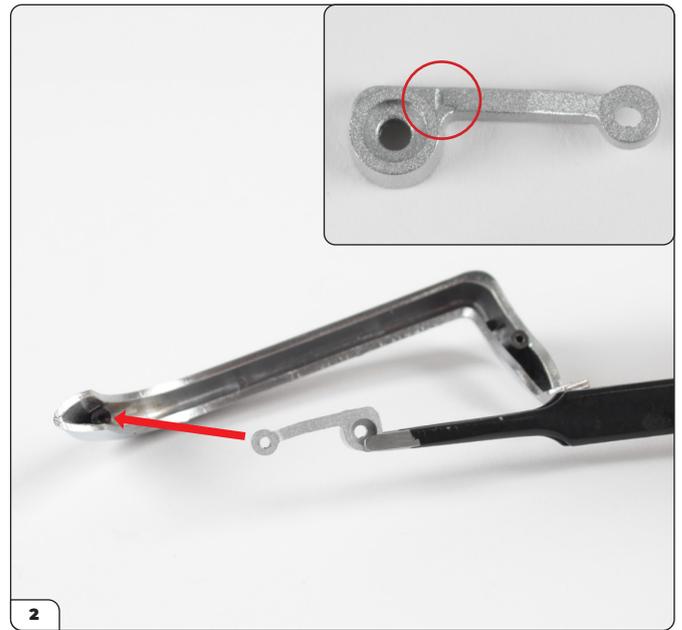
Name
Hood
Front bumper (L)
Front bumper (R)
Front bumper bracket (L)
Front bumper bracket (R)
AM screws x5
BP screws x3
CP screws x3



## Stage 02: Mounting the Bumpers and License Plate onto the Front Body Panel



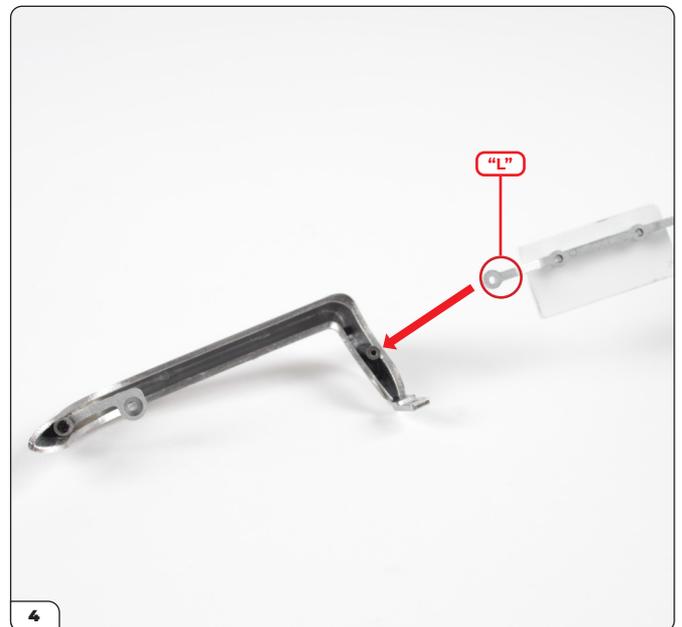
First take the two front bumpers and lay them on your work surface as shown. Distinguish the left bumper from the right bumper.



Take the front left bumper bracket (marked with an "L", inset) and align it with the left bumper as shown. There is a screw hole inside the curved end of the bumper for fitting the bracket (arrow).



Fit the bracket into the bumper and secure it using a CP screw.



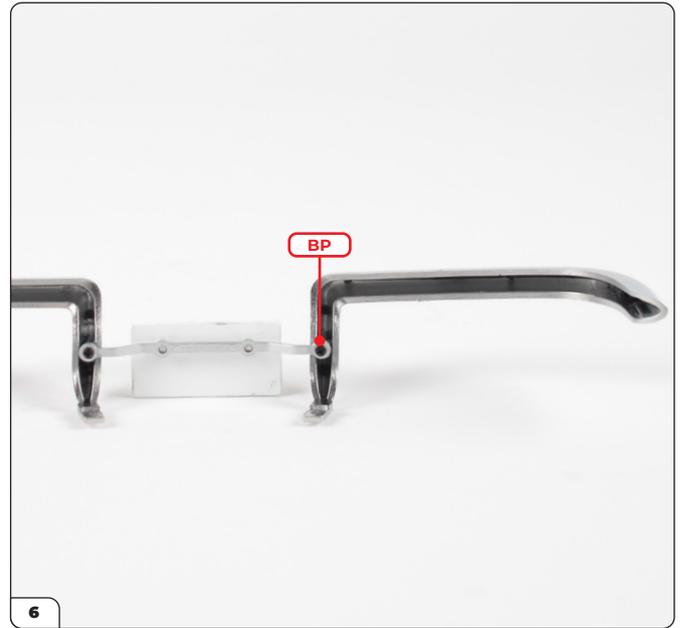
Now take the license plate bracket (assembled in Stage 01) and align it with the bumper as shown. The left (marked with an "L") end of the bracket fits over the raised screw hole of the bumper.

Note: If you have not yet received your Limited Edition license plate, continue to fix the license plate bracket without the plate. The license plate can be fixed at a later stage.

## Stage 02: Mounting the Bumpers and License Plate onto the Front Body Panel



Hold the end of the bracket over the raised screw hole and secure the parts together using a BP screw.



Take the front right bumper and fix the right-hand side of the bracket to the screw post in the same way using another BP screw.

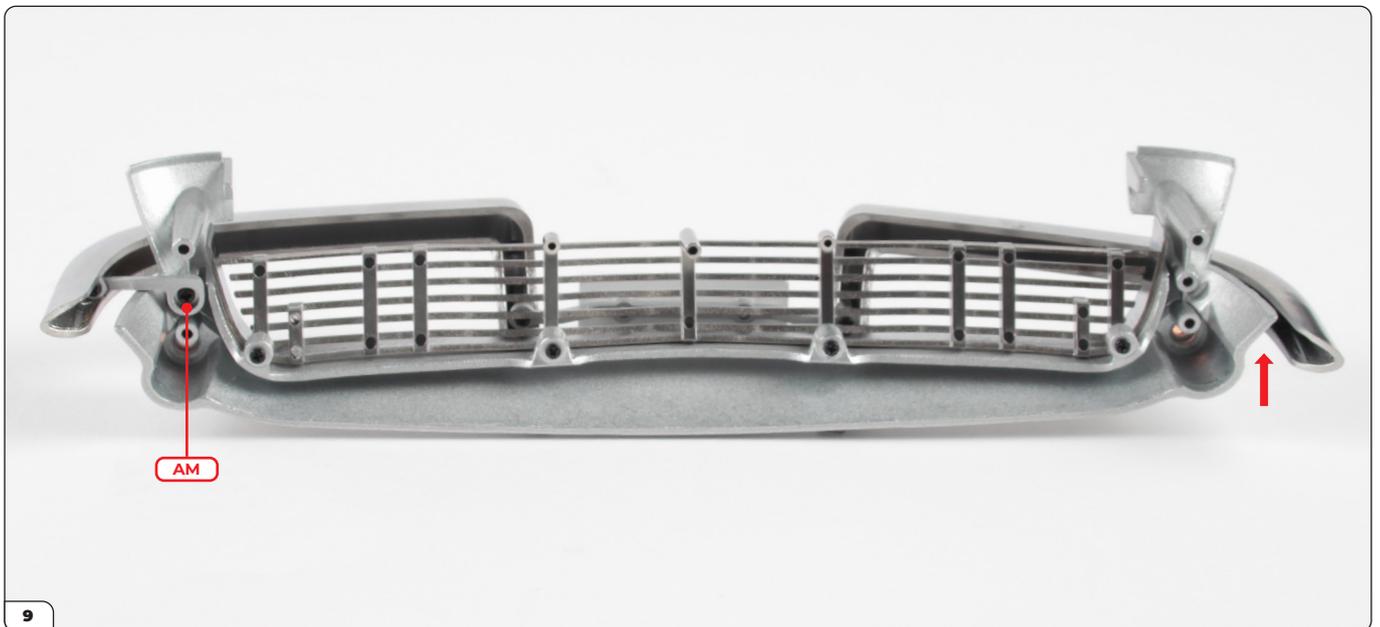


Retrieve the front body panel assembly from Stage 01 and align it with the bumpers as shown. There are two raised screw holes on the underside of the panel which fit over the tabs protruding from the bumpers (arrows). The bracket (circled in red) fits into the middle hole on the left-hand side of the panel (circled in blue).

## Stage 02: Mounting the Bumpers and License Plate onto the Front Body Panel



Start to fit the body panel into the bumpers by positioning the middle hole, highlighted in the previous step, under the bumper bracket (arrow). Once in place, carefully lower the panel into position on the bumpers.

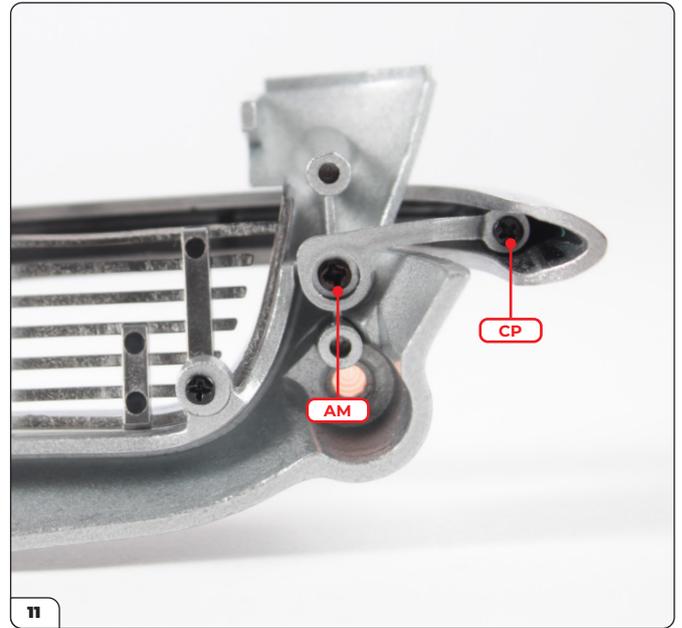


The assembly should look like this once the panel and bumpers are fitted together. Secure the bumper bracket and panel using an AM screw. Note that the right bumper and the right-hand side of the panel (arrow) will be loose for now, take care not to damage any parts while driving the screw in place.

## Stage 02: Mounting the Bumpers and License Plate onto the Front Body Panel



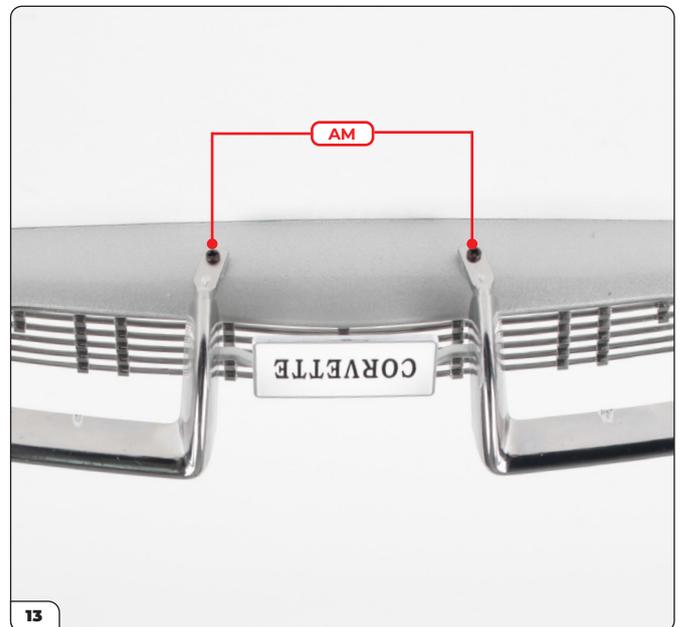
Take the right bumper bracket (marked with an "R", inset) and align it with the right hand side of the assembly as shown.



Carefully fit the bracket in place over the raised screw holes of the panel and bumper as shown. Secure the bracket by driving an AM screw into the panel and a CP screw into the bumper.



Turn the assembly over and align the tabs of the bumpers over the screw holes of the panel (circled).



Secure the tabs in place using 2x AM screws.

## Stage 02: Mounting the Bumpers and License Plate onto the Front Body Panel

STAGE COMPLETE



## Stage 03: Attaching the Hood Reinforcement, Latches and Vents

In this stage you'll assemble the latches for the hood and install them in the reinforcement. You'll then fix the reinforcement onto the underside of the hood before sticking the vents onto the topside.

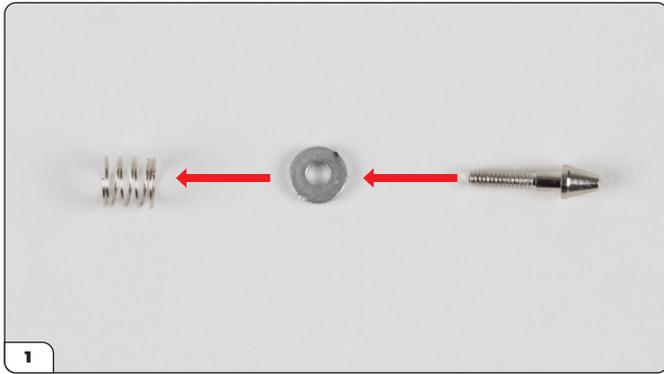


### STAGE 03 PARTS LIST

Name
Hood reinforcement
Vent sticker x2
Latch pin x2
Latch spring retainer x2
Latch spring x2
Hex nut x2
BM screws x8



# Stage 03: Attaching the Hood Reinforcement, Latches and Vents



Start by taking a latch spring, latch spring retainer and a latch pin. The narrow end of the latch pin fits through the retainer then through the spring, as indicated by the arrows.



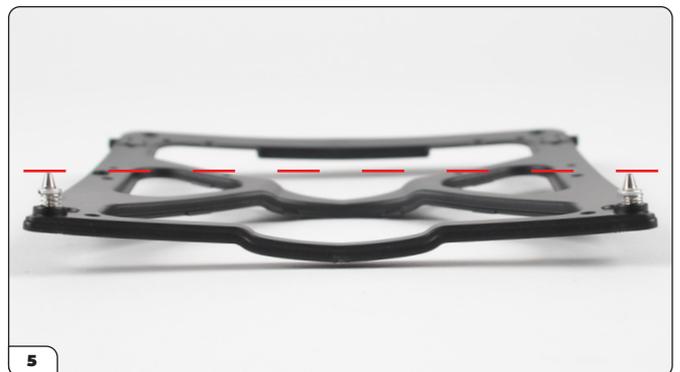
Repeat this process with the remaining latch parts to assemble the second latch. The latches should look like this once assembled. Take care not to lose the springs when handling as they easily fly off.



Lay the hood reinforcement on your work surface with the detailed side face-up as shown in the image to the left. The assembled latch pins (with springs) will be placed in the outermost holes as indicated by the arrows (left) and shown in the close-up above.

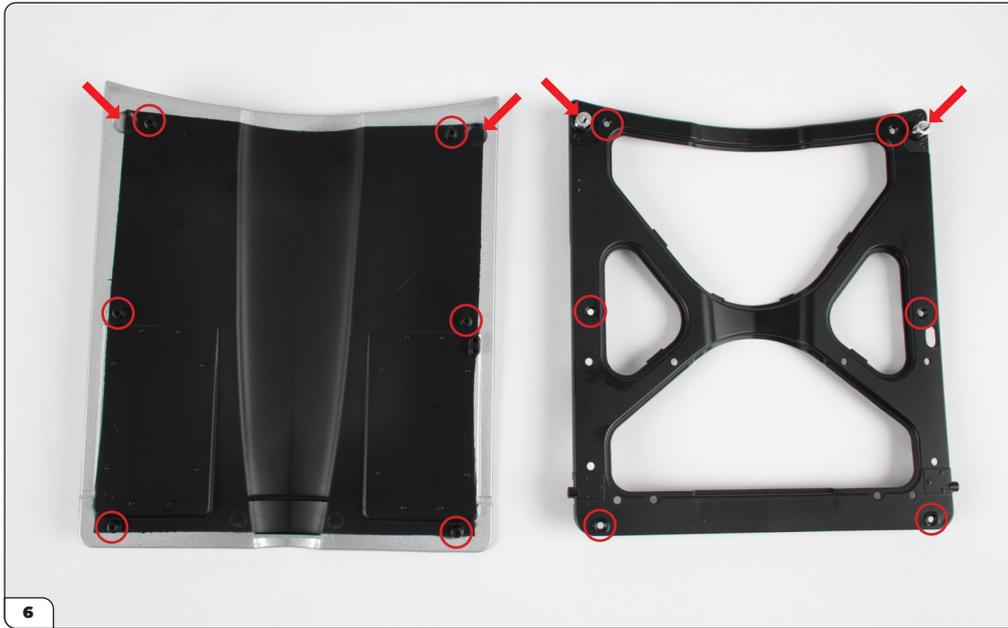


Push the narrow end of one of the latches through one of the holes, then secure it from the opposite side by twisting a hex nut over the threaded narrow end. Keep twisting until the tip of the narrow end is flush with the nut (arrow). Take care when securing the latch pins as you'll need to compress the spring at the same time.



Repeat this process with the other latch. Once both are in place, check they are level as shown by the dashed line. Tighten or loosen the hex nuts if necessary.

## Stage 03: Attaching the Hood Reinforcement, Latches and Vents

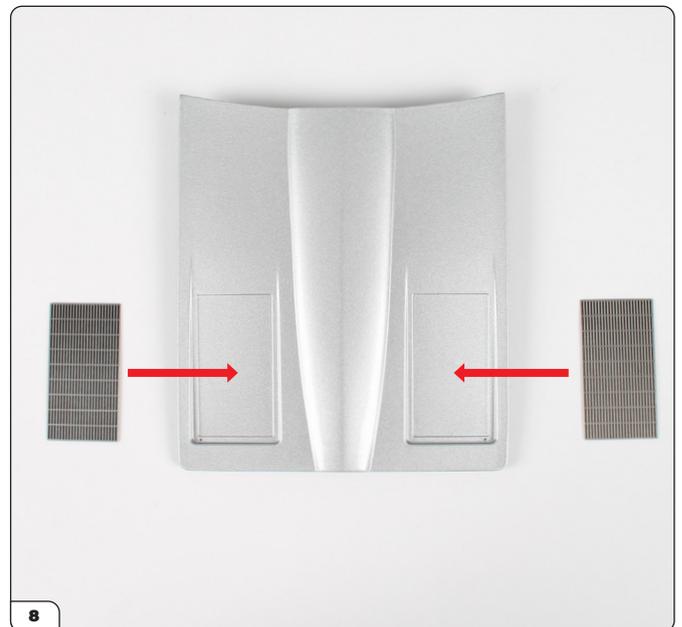


For the next steps and throughout the build, take care to protect the paint finish of your model parts by always placing them on a soft cloth.

Next take the hood (supplied with Stage 02) and place it upside down on your work surface. Align the hood reinforcement with the hood as shown, so that the cone-shaped ends of the latch pins are facing upwards. Note the orientation of the recesses in the hood which correspond with the latches (arrows). Locate the screws holes in the hood and the corresponding holes in the reinforcement (circled).



Fit the reinforcement onto the hood, then secure it in place using 6x BM screws. Start in each corner, half-tightening a corner screw to hold the reinforcement in place, then gently tighten once all six are in place.



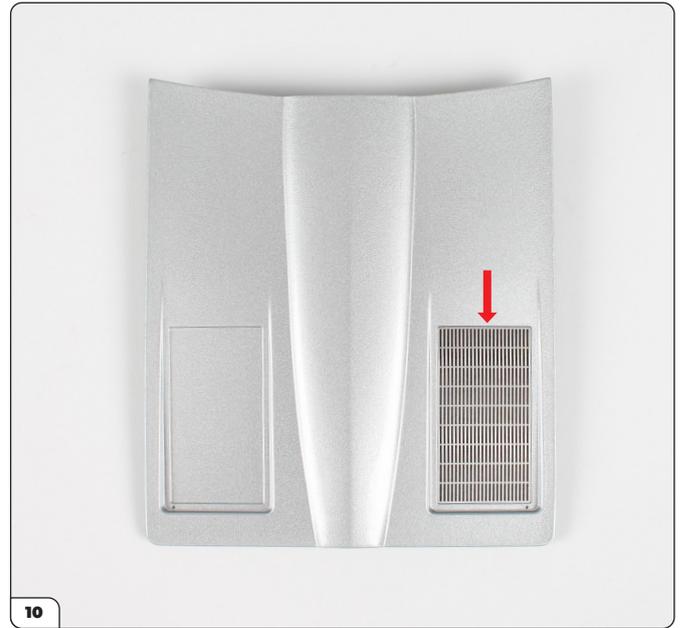
Now turn the hood over and take the vent stickers. Note the recesses in the hood for the vents (arrows).

## Stage 03: Attaching the Hood Reinforcement, Latches and Vents



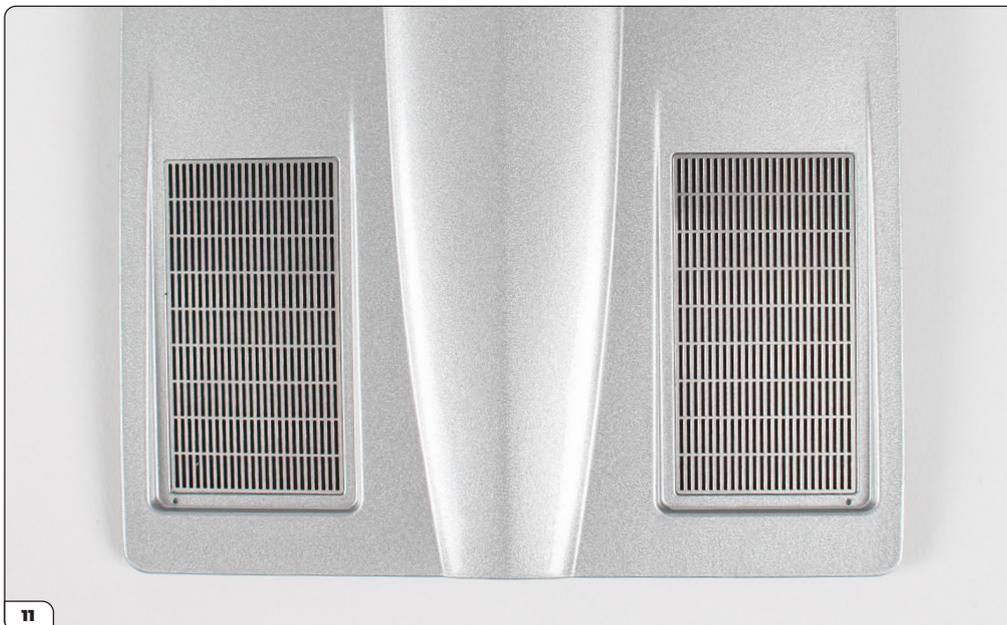
Take one of the vent stickers and test fit it in the recess of the hood before peeling off the protective backing. Please see step 10 before proceeding to stick.

**!** Take great care here as the stickers cannot be reapplied once they have been stuck in place.



Align the vent sticker with the recess in the hood and use the adhesive side to stick it in place. Start by carefully aligning the top edge (arrow), check the alignment of the side edges, and then gently lower position.

**!** **WARNING:** take extreme care when placing the vent stickers as the adhesive is very strong. Stickers cannot be removed once they have been placed and trying to remove them can damage the paintwork.



Repeat the process for the other vent.

## Stage 03: Attaching the Hood Reinforcement, Latches and Vents

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STAGE COMPLETE



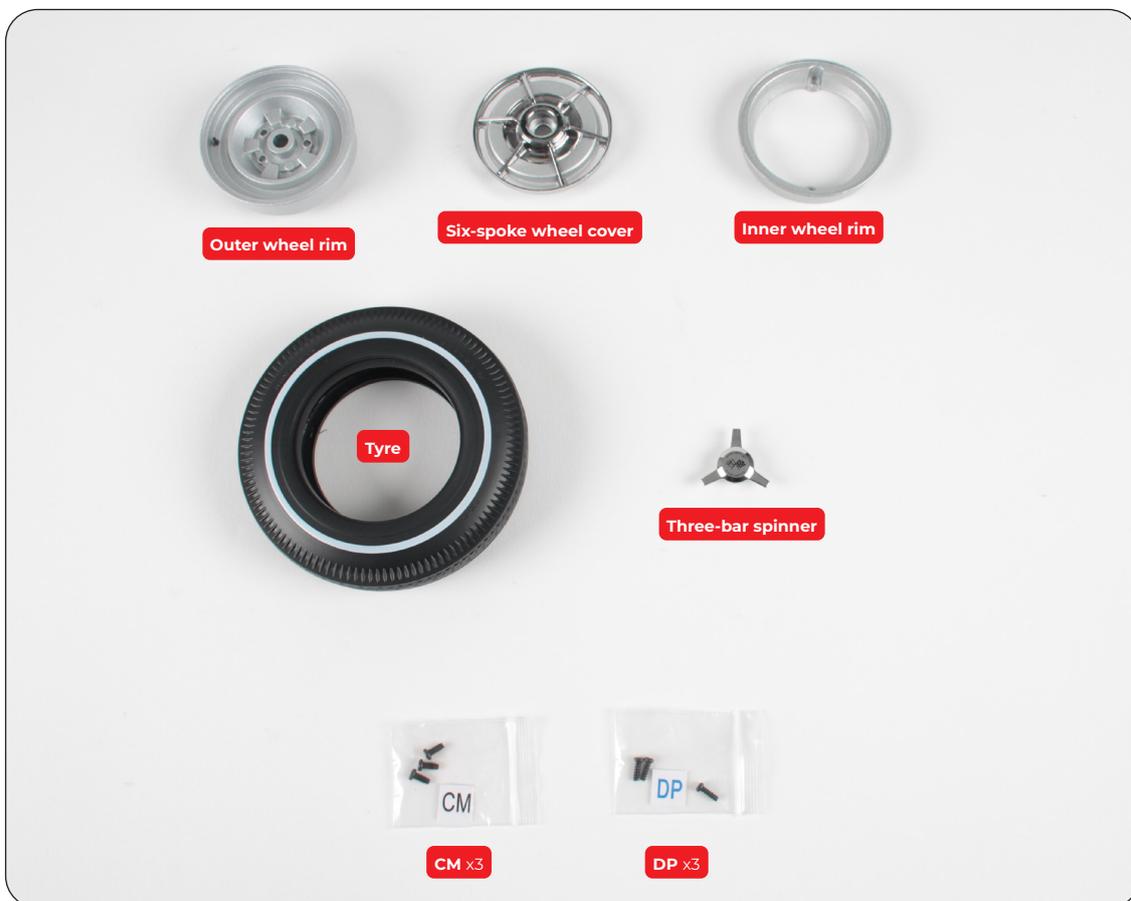
## Stage 04: Building the First Wheel

In this stage you'll assemble the first wheel of your Corvette, in the original '63 style. The later Kelsey Hayes wheels that were originally intended for '63 production but not actually available until later in '64 will be supplied in Pack 5. You'll then have a choice of wheels for your Sting Ray!



### STAGE 04 PARTS LIST

Name
Outer wheel rim
Six-spoke wheel cover
Inner wheel rim
Tyre
Three-bar spinner
CM screws x3
DP screws x3



## Stage 04: Building the First Wheel



Place the outer wheel rim and the wheel cover on your work surface. Locate the small indent in the outer ring of the cover (circled) which fits over the air valve (arrow) when putting the parts together.



Align the indent with the air valve then fit the parts together.

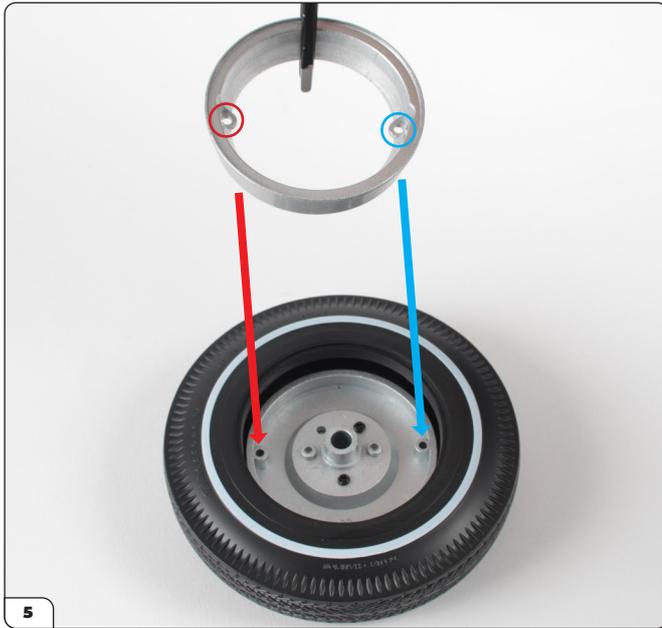


Turn the assembly over and lay it on your work surface as shown, noting the orientation of the '3' (circled). Secure the parts together using 2x DP screws in the indicated holes. Check you have identified the correct screw holes - one of them (indicated by an arrow) should remain free.



Take the tyre and press the outer wheel rim into it, with the wheel cover facing up as shown, until the cover sits flush all the way round.

## Stage 04: Building the First Wheel



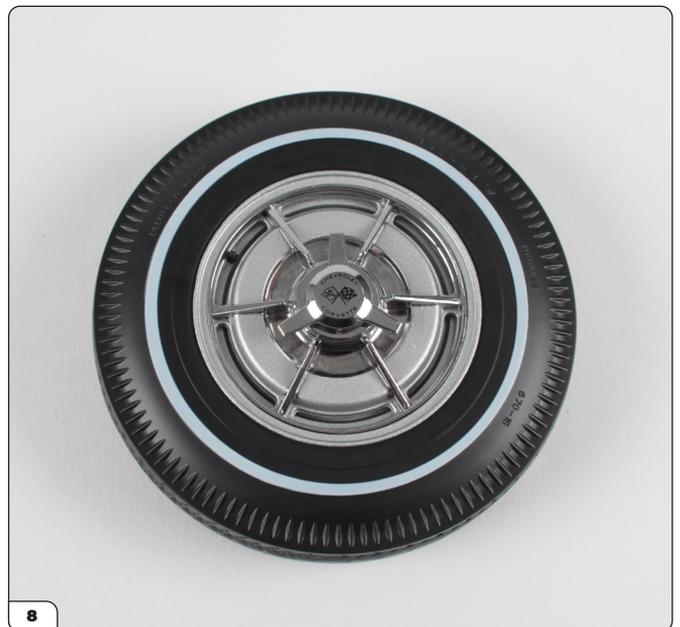
Turn the wheel over, then take the inner wheel rim and align the pairs of screw holes as shown by the circles and arrows.



Fit the inner rim into the tyre then secure it using 2x CM screws. Check that the inner edge of the tyre is tucked neatly under the lip of the wheel rim.



Turn the wheel back over and take the three-bar spinner. This pushes into the recess of the wheel cover.



Press the spinner into the wheel cover until it sits flush. If you want it oriented in a particular way, twist into the orientation desired before pressing it fully into the cover as it can be difficult to rotate once fully in place.

## Stage 04: Building the First Wheel

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STAGE COMPLETE



# Stage 05: Assembling the Fuel Injection Unit

For the last stage of this pack, you'll assemble the game-changing Rochester Fuel Injection unit!

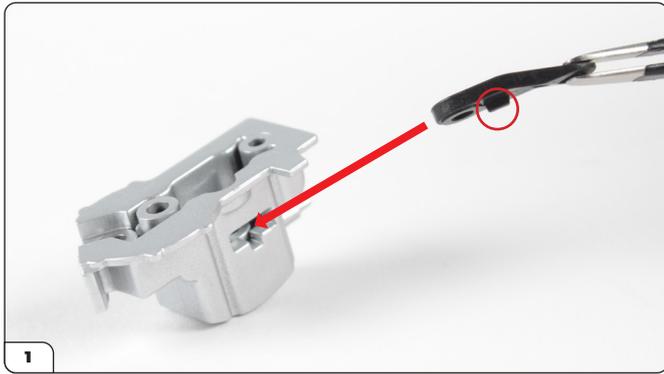


## STAGE 05 PARTS LIST

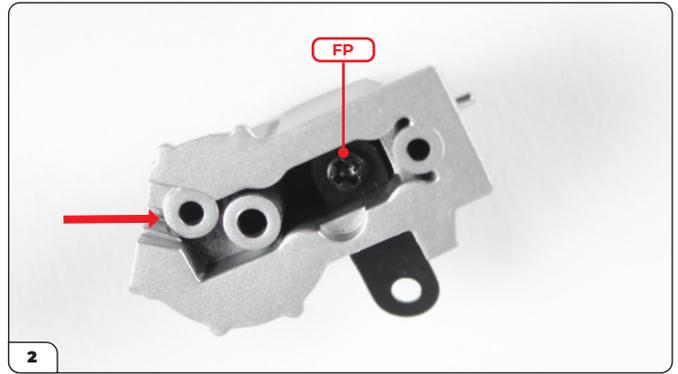
Name
Fuel injection unit housing
Fuel meter body
Enrichment housing
Fuel meter cover
Bracket
Fuel injection unit cover
Fuel injection nozzle (L) x2
Fuel injection nozzle (R) x2
Fuel pipe (long)
Fuel pipe (short)
DM screws x2
EP screws x2
FP screws x4



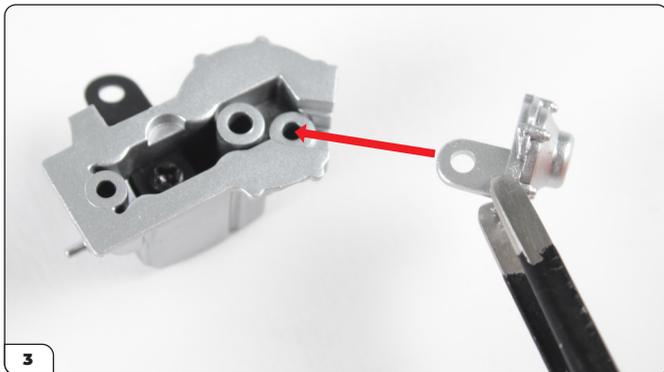
## Stage 05: Assembling the Fuel Injection Unit



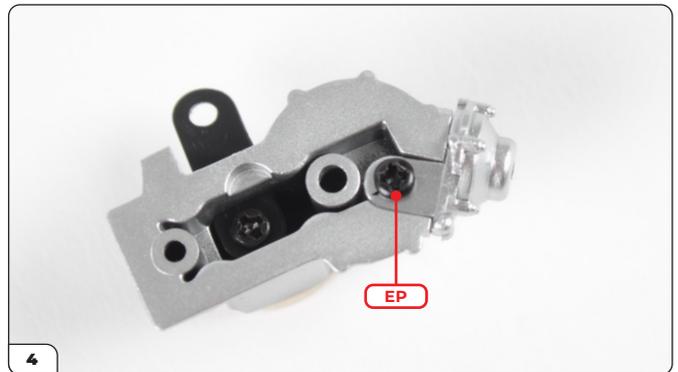
Take the fuel meter body and the bracket. There is a shaped slot in the body for fitting the bracket (arrow). Note that the bracket has a protruding notch (circled) to ensure it fits into the shaped slot in the correct orientation.



Insert the bracket into the body and secure it with an FP screw. Note the recess (arrow) in the body for the next step.



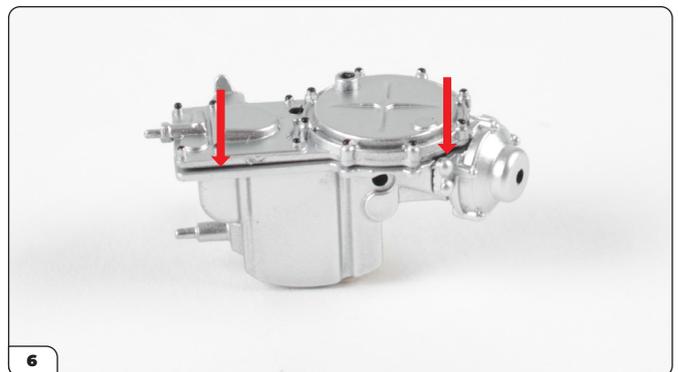
Take the enrichment housing and align it with the body as shown. The tab will fit into the recess highlighted previously.



Fit the tab of the enrichment housing over the screw hole in the body and secure it in place using an EP screw.

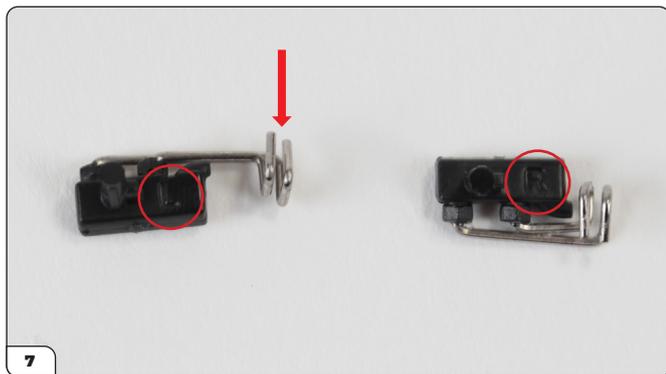


Next take the fuel meter cover and align it with the body so that the small and large pins correspond to the small and large holes (arrows).



Fit the cover into the body, then press down firmly until the parts are flush, as shown by the arrows.

## Stage 05: Assembling the Fuel Injection Unit



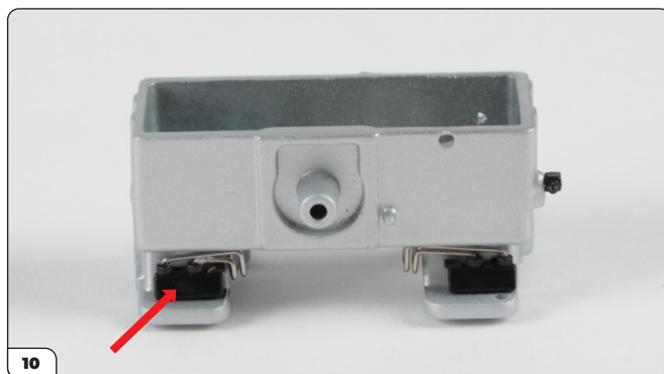
Next take a left and a right fuel injection nozzle (these are marked with "L" and "R" to distinguish them, shown circled above). Note that the left nozzles also have a slightly longer metal section (arrow).



Place the fuel injection unit housing on your work surface. Take the left nozzle which has a shaped pin, and align it with the hole indicated by the arrow.



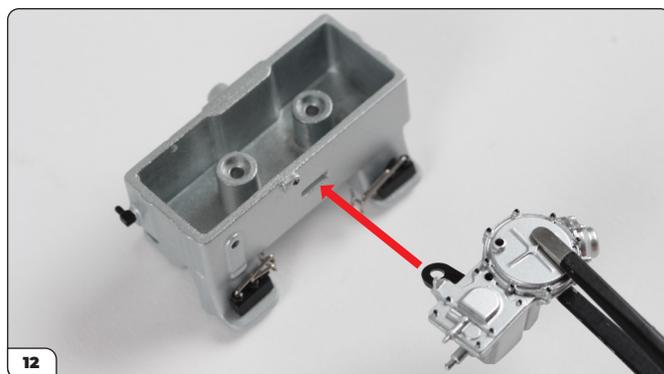
Fit the left nozzle into the hole of the housing as shown, using the D-shaped fitting as a guide.



Take the right nozzle and fit it into the other hole (arrow).

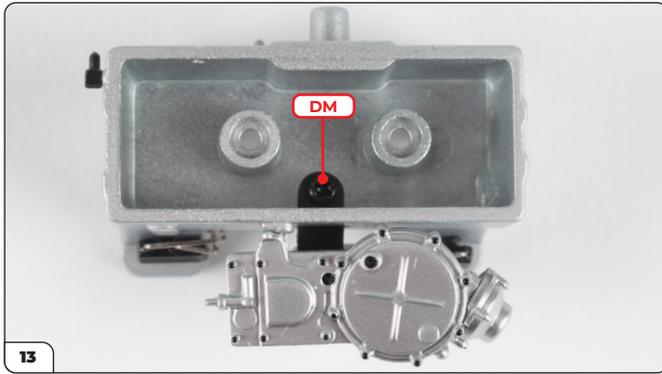


Now turn the housing around and fit the remaining left and right nozzles in the same way.

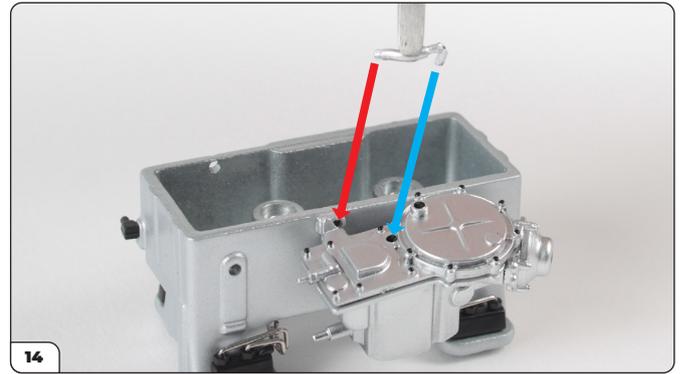


Retrieve the fuel meter assembly and align it with the fuel injection housing as shown. There is a slot in the housing for fitting the bracket into (arrow).

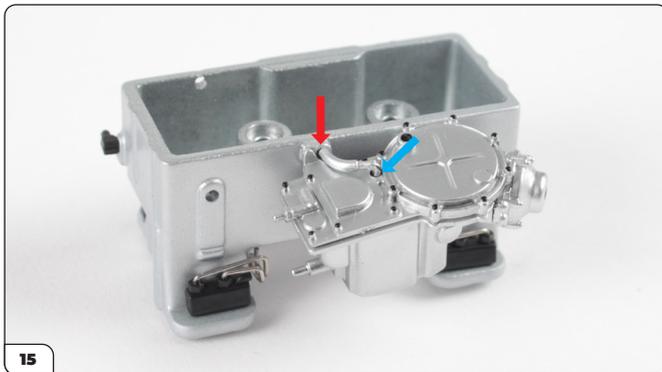
## Stage 05: Assembling the Fuel Injection Unit



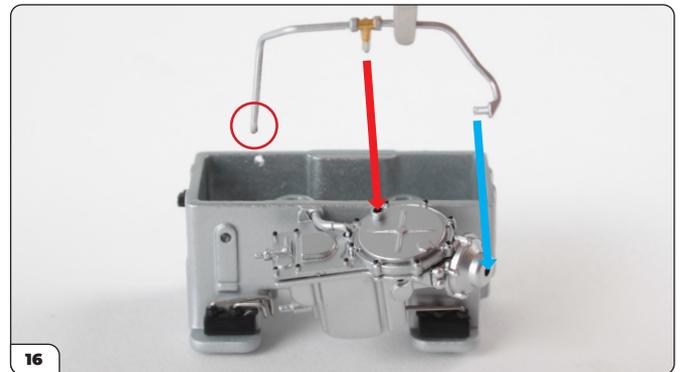
Fit the fuel meter into the housing and secure it using a DM screw.



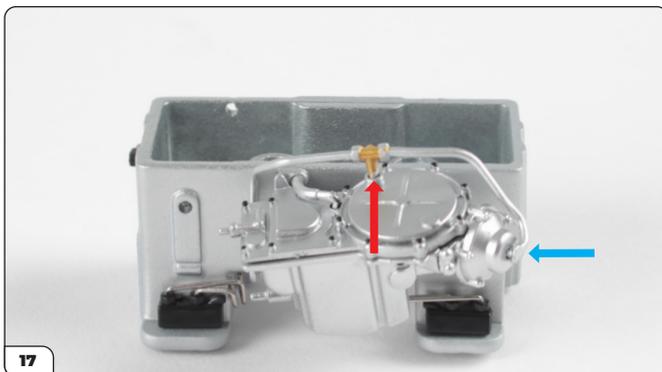
Next take the small fuel pipe and align it with the assembly as shown. There are two small holes to fit the pipe in place (arrows).



Starting with the straight end of the pipe, push it into the hole of the housing (red arrow), then fit the curved end of the pipe into the hole of the fuel meter cover (blue arrow).



Now take the long fuel pipe and align it with the assembly as shown. There are two small holes to fit the pipe in place (arrows). The free end of the pipe (circled) will fit underneath the assembly (see step 18).

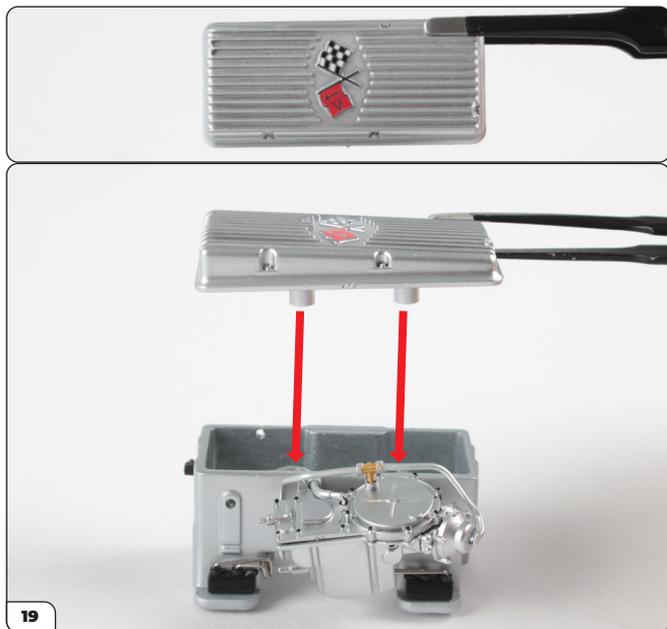


Start by fitting the pin at the large end of the pipe into the hole of the enrichment housing (blue arrow), then fit the middle pin into the hole of the fuel meter cover (red arrow).



The free end of the pipe (circled) should tuck underneath the assembly as shown.

## Stage 05: Assembling the Fuel Injection Unit



Finally, take the fuel injection unit cover and align it with the assembly as shown in the bottom image. The two screw posts of the cover fit over the posts located inside the housing (arrows). Ensure the Corvette emblem of the cover is oriented the correct way, as shown in the top image.

Fit the cover onto the housing, then holding it in place, turn the assembly over and secure the parts together using 2x FP screws.

**STAGE COMPLETE**

