



'70 HG UTILITY (UTE)



KIT ASSEMBLY INSTRUCTIONS

www.fulboremodels.com

The Holden HG replaced the HT in July 1970. I've chosen the HG, as it was the final enhancement of the HK-HT-HG series. With the HG, the Australian-built three speed Tri-Matic automatic transmission was introduced. The HG range included 13 distinct variations, each with a choice of up to five engines and four transmissions. The ute being the workhorse of course had less options available and came in two variants, the Kingswood and the Belmont.

The HG range included sedans, wagons, Monaro coupes and light commercial models plus the luxury of the Brougham. Tri-Matic transmissions were standard on the Brougham and Premier but optional on other models. The brilliant GTS 350 Monaro was offered with either a 4-speed manual or the regular two speed Powerglide automatic transmission.

The grille of the HG was a modernised plastic grille and the body was cleaner with less chrome. The HG had new safety features, colours and trim designs. Greatly improved disc brakes became standard to all V8 models and optional on other models, while greater comfort was built into the suspension system of the Monaro GTS.

The Model range included: Belmont Sedan, Belmont station wagon, Belmont panel van, **Belmont utility**, Kingswood sedan, Kingswood station wagon, **Kingswood utility**, Premier sedan, Premier station wagon, Brougham sedan, Monaro coupe, Monaro GTS coupe, Monaro GTS 350 coupe.



Thanks for your purchase, and I truly hope you have fun building your HG Ute.

BEFORE YOU START.

If you've bought this model, it's likely that you have, at some time in your life, put together a plastic model kit. This is a great start! Ideally, you are an experienced model builder for this model. If not, please read the instructions carefully, and do some research before you start the assembly. I've tried to make the fitment of all the parts as good as possible, but in the end, this is a home made kit, not a Tamiya!! Please be patient and take your time.

I've left some of the smaller delicate components on their printing supports for you to enjoy removing! I'd love to remove all of them for you and save you the time, but the supports help me make sure the tiny pieces in the kit make it to you safely intact. I've tried to model all the components with as much detail as possible. Consequently, some sections of the individual pieces are smaller than the supports supporting them. Refer to the pictures in the instructions which are the actual print files, which will hopefully help you tell what's support, and what isn't.

New to RESIN Models? – Read on..... Most model kits over the years have been made from Styrene, using an injection moulding process.... Cutting to the chase, this is a 3D Printed RESIN kit, and the plastic used to make this kit is different to model kits in the past – even different to Cast Resin. Resin is a “thermo-setting” plastic, meaning it hardens with heat, so all the old tricks of heating up styrene model kits to modify them go out the window. Normal modelling glue won't work with resin, and resin can also be a bit more brittle than styrene, so please be careful when handling pieces.

**IMPORTANT: Each part of this model will need sanding and preparing to remove layer lines, supports, and other remnants from the 3D print process.
Test fit all parts before committing them to glue.**

Keep parts out of direct sun until painted, as UV will deteriorate the resin (it is UV that is used in the print process to cure the resin, so more UV will make parts more brittle)

Clear parts in this kit appear cloudy out of the box, but once a clear coat paint is applied, they become fully transparent.

If you have any questions, or are not happy with any aspect of the model, please contact us first at www.fulboremodels.com, and we'll do our best to help you.

RECOMMENDED MINIMUM TOOLS & MATERIALS

- Tweezers, bent & straight.



- Hobby Knife & “Sprue” Cutters – the finer & sharper the better, for removing parts from supports. Small scissors come in handy too.

- Small modelling files, and sanding sponges / sticks for preparing and fitting parts. 400-1500 wet and dry paper works too.



- Rubber bands & a variety of small clamps (clothes pegs work too) for clamping pieces together after gluing.

- Pin vice drill.



- Plastic putty.



- Thick (gel) and thin CA (Cyanoacrylate - super glue) or 5-minute epoxy. (normal model glue will not work with resin). Foam Safe CA Glue will be required for clear parts.



- Degreaser or wax and grease remover.
- Modelling masking tape, and masking gel.



- Primer suitable for resin - similar to modelling glue, styrene and plastic primers won't stick to resin. Outlaw Paints is Australian owned and the primer is excellent for resin models, with superior filling capabilities.

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- Decal softener & hardener

NICE STUFF TO HAVE FOR A BETTER JOB (OPTIONAL)



- Molotov Liquid Chrome Pump Markers

- Polishing compound and a rotary tool (Dremel or similar) with die grinding bits, and polishing pads.



- A gloss clear coat system

SAFETY FIRST

When working with the materials required for the construction of this kit including adhesives, primers, paints, resin parts etc, always work in a well-ventilated area,

3D printing resin is considered toxic and when printing these models, the recommended precautions are taken to avoid contact with the resin. Whilst the resin is considered safe to humans when cured, It is recommended that the necessary precautions are taken to prevent the inhalation of dust when sanding, cutting or filing resin. Wearing a dust mask and working in a well-ventilated area is recommended as a minimum precaution. It is also recommended to wear safety glasses when removing parts from their supports, to prevent pieces of resin ending up in your eyes.

Please also follow all precautions on any products used to build your model, and be careful when using sharp tools.



SYMBOLS USED



Glue



Do not glue



Make a choice



Paint Colour



Cut



Apply water slide decal

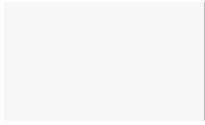
PAINT COLOUR GUIDE

You may need to experiment to get exactly the colour you want to paint your HG, but I've listed some paints below that I think are close. Outlaw Paints has a selection of Factory HK-T-G Colours and I've listed some of these that the HG Ute was available in.

FOR BETTER RESULTS, MINIMISE PAINT ON SURFACES THAT NEED TO BE GLUED

EXTERIOR COLOURS

1



Kashmir White
Outlaw Paints - Kashmir White



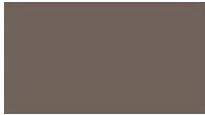
Warrigal Black
Outlaw Paints Jet Black Paint



Cascade Green
Zero Paints Laystall Racing Team
or Outlaw Paints - Electrical
Transformer Green



Sudan Beige
Outlaw Paints - Beige



Cinnamon Brown
LifeColor LC37 Acrylic Paint - Matt
Burnt Umber



Cambridge Blue
Outlaw Paints - Cambridge Blue



Rally Red
Zero Paints Red Arrows - Signal
Red Gloss



Warwick Yellow
Outlaw Paints - Warwick Yellow



Tunisian Turquoise
Outlaw Paints - Tunisian Turquoise



Indy Orange
LifeColor #LC04 Acrylic Paint -
Matt Dark Yellow

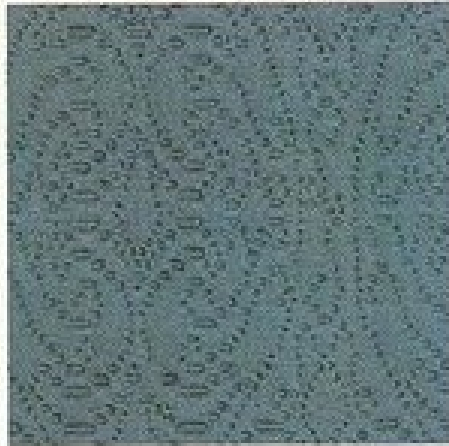
INTERIOR COLOURS

2

BLONDE IVORY available with
Tennysen Turquoise, Inca Gold or Burgundy Maroon.



TEAL BLUE available with
Ermine White, Highlands Blue or Paragon Blue.



BLACK available with
all the exterior colours shown above.





Blonde Ivory
LifeColor #UA401
Acrylic Paint -
Tropical Tan 1
Zero Paints - Dark
Yellow - Similar to
TS3



Teal Blue
LifeColor #UA045
Acrylic Paint - Non
Specular
Intermediate Blue FS
35164



Black
Zero Paints -
ZP-4125 -
Black
Leather

OTHER



Under body, Interiors etc
Zero Paints Semi Gloss Black -
ZP-1336



Engine
Zero Paints - Chevy USA Red
Engine Paint



NOTE, some parts that need to be
black are printed in black. You can
just apply a clear of this instead of
paint in some cases.



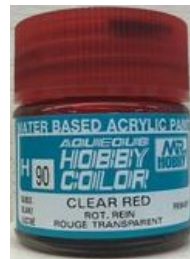
Metal parts
Outlaw Paints - White Aluminium
or
Alclad - 101 Aluminium Lacquer



Chrome
Molotow Liquid Chrome Pump
Markers
or
Outlaw Paints - Chrome
or
Alclad II - 107 Chrome



Exhaust manifold, and pipe
Outlaw Paints - Dark Iron
Mr Hobby Burnt Iron - H76



Brake lights
Mr Hobby Clear Red - H90



Turn signal lights
Mr Hobby Clear Orange - H92

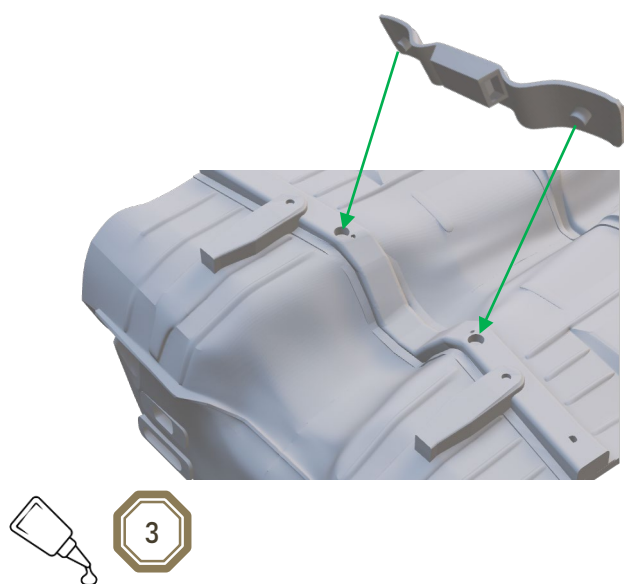


Headlight Glass, mirrors etc.
Mr Hobby Clear - H30

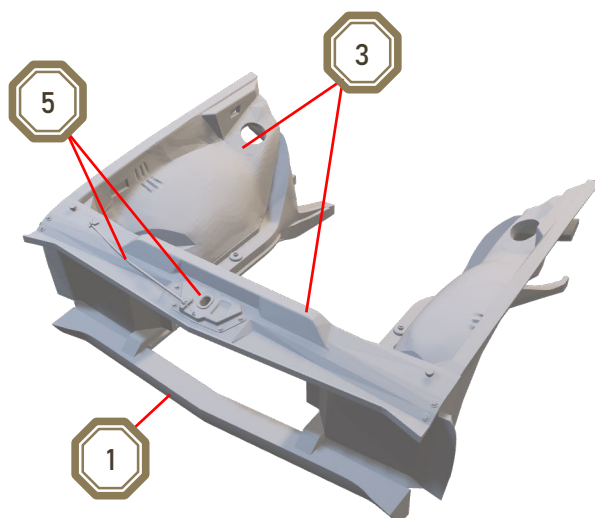


ASSEMBLY

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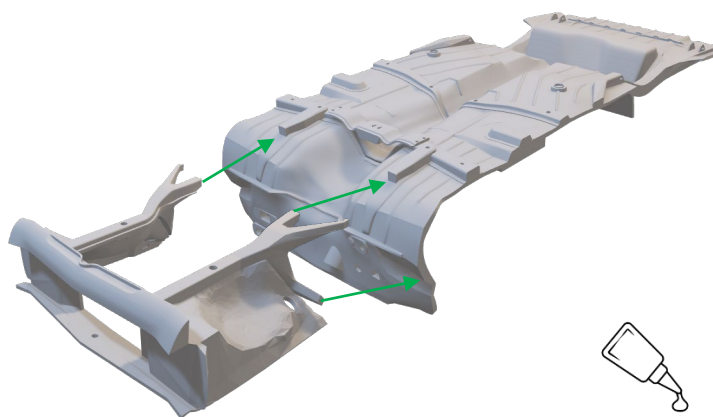


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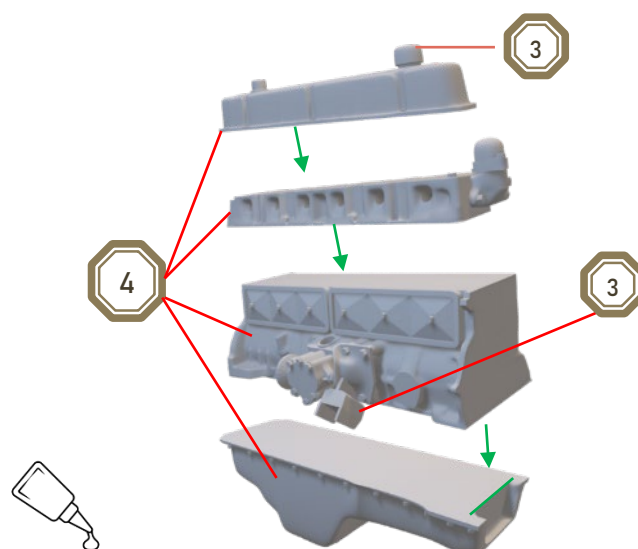


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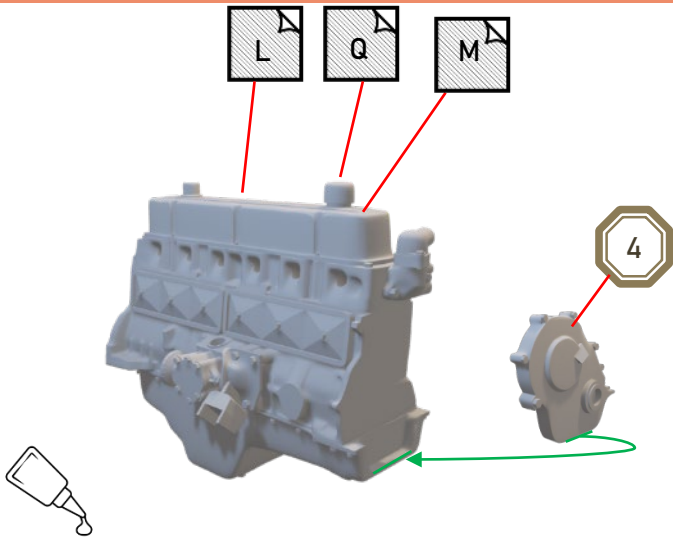
Temporarily insert the floor pan into the body and glue the front inner guards and chassis to the floor pan to ensure correct alignment with the body. Once the glue is dry, remove for the body and continue.



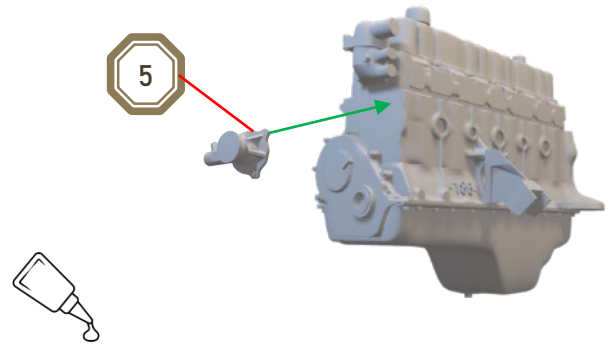
4. ENGINE



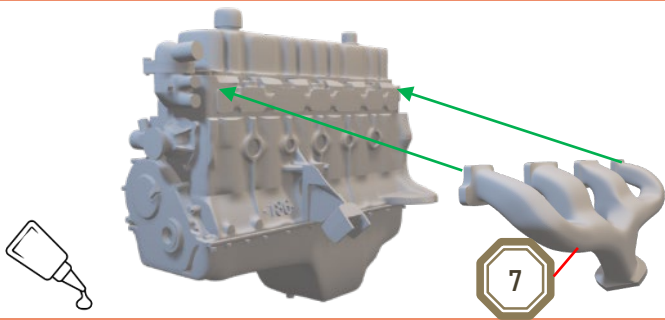
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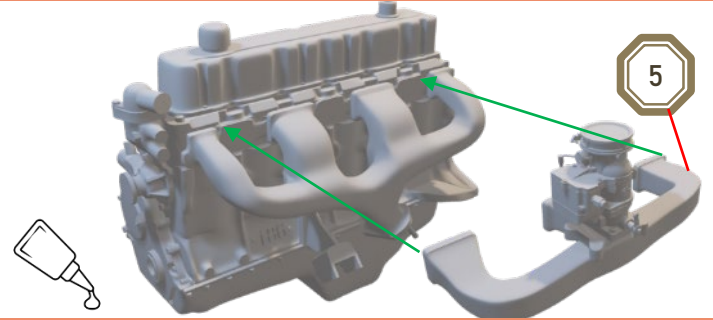
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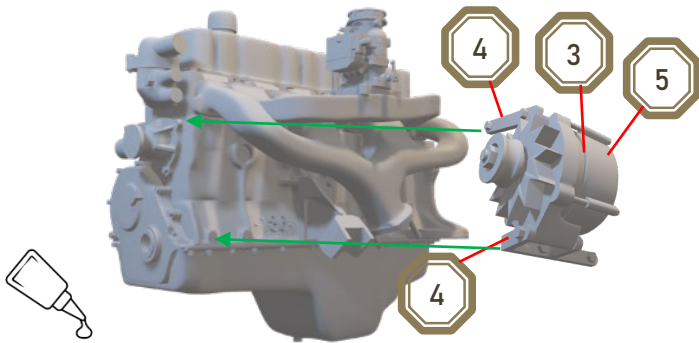
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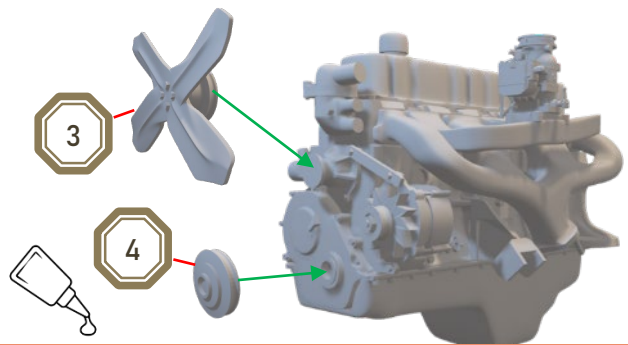
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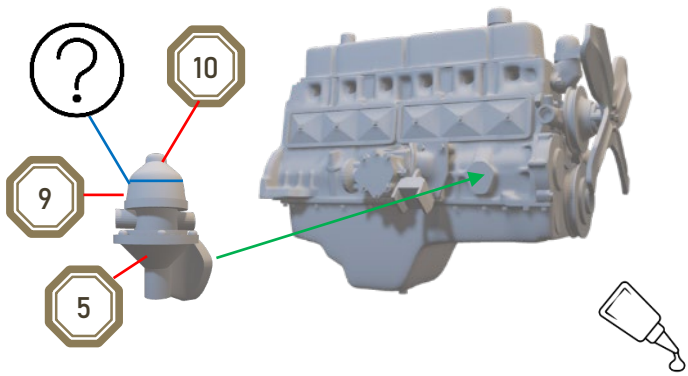
9.



10.



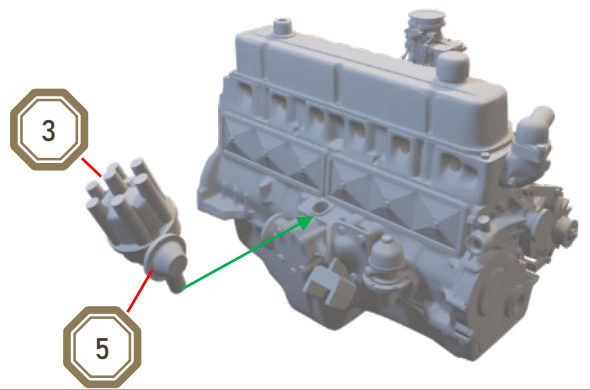
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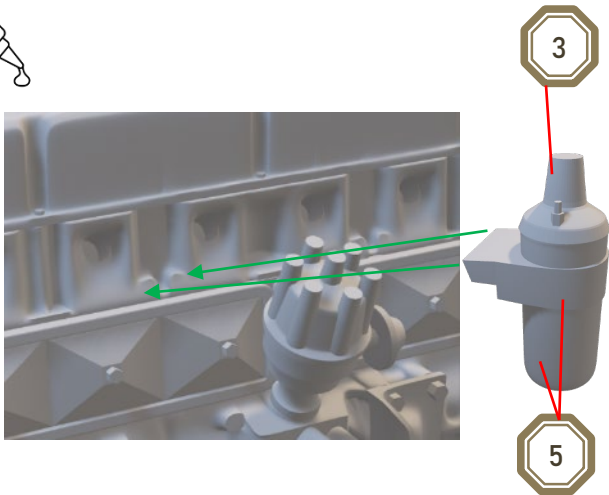
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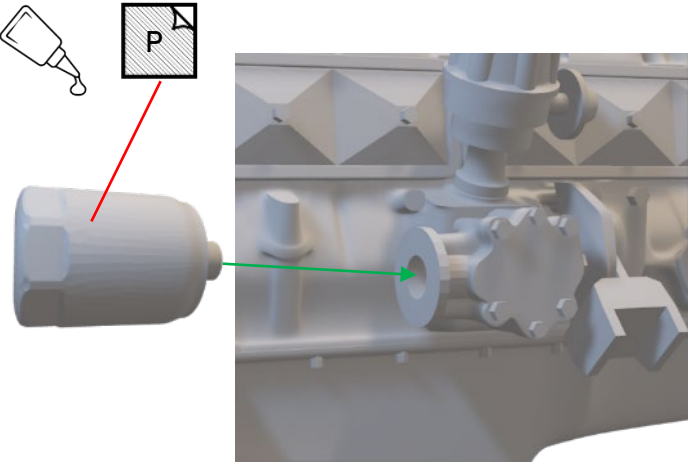
Install plug leads before attaching distributor



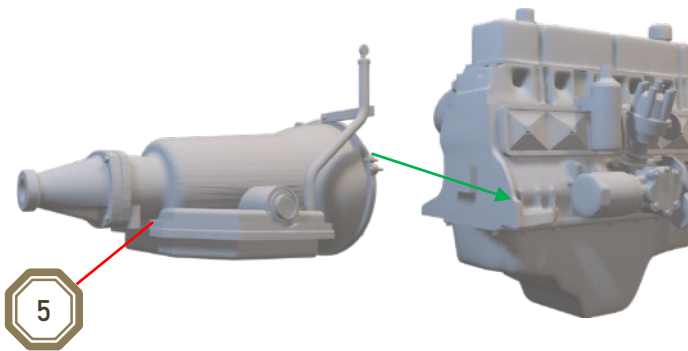
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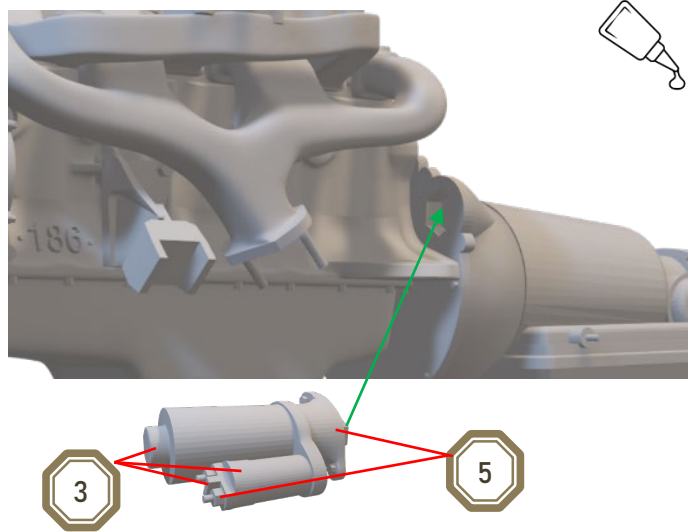
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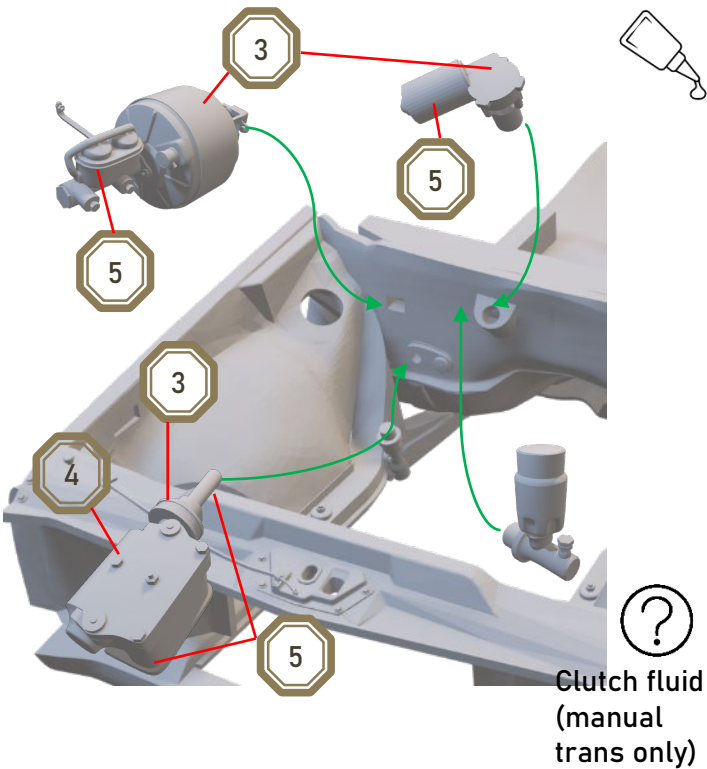
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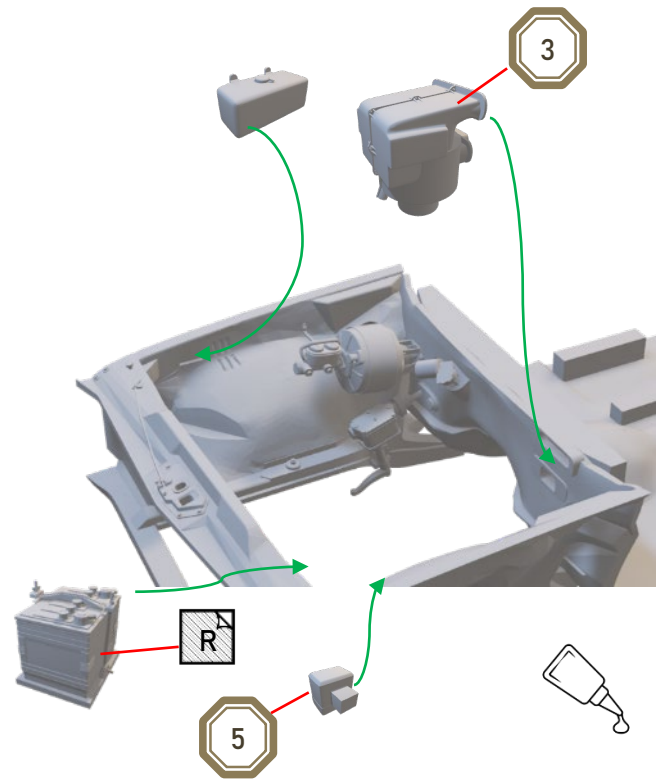
16.



17. ENGINE BAY



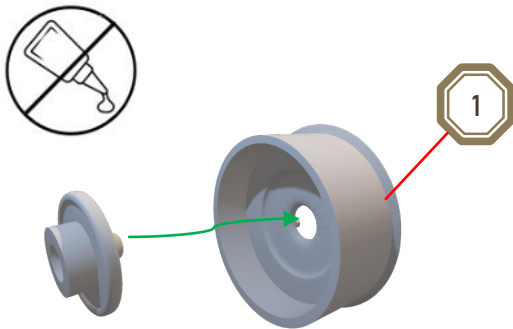
18.



19. WHEELS

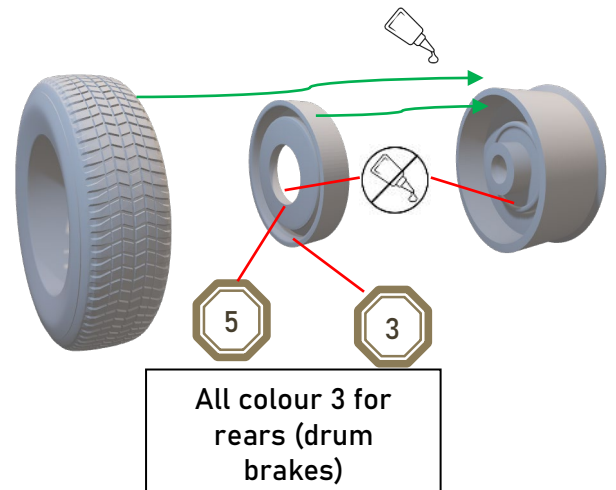
x4

Don't paint inside the rim. You may wish to apply a small amount of vasoline or sewing machine oil here, but be sure clean any excess off the glue surfaces in the next step.



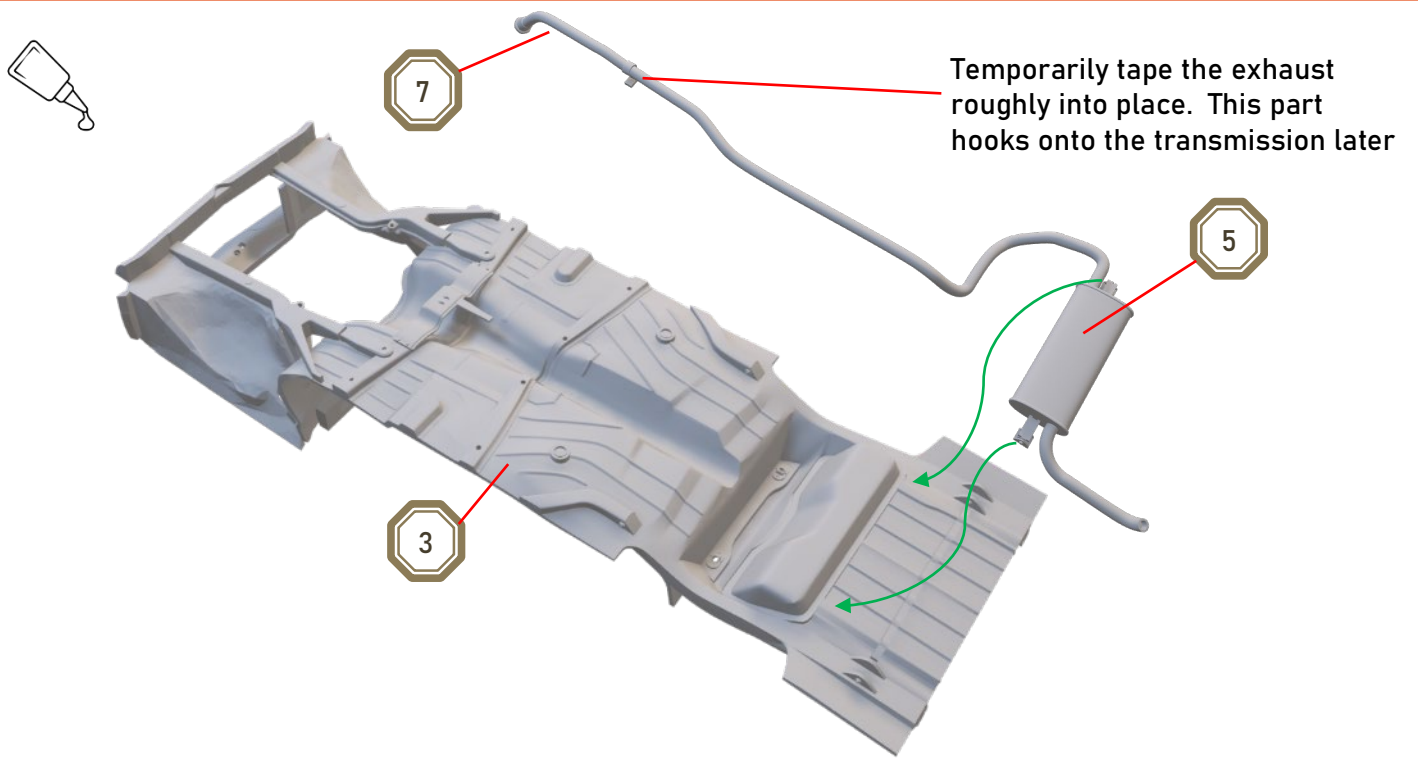
20.

!! Important not to let glue run into the wheel and glue the inner hub from the previous step !! This will stop your wheels rotating. Be sparing with glue, and gel glue is recommended to prevent bleed. Push the inner wheel in firm (but not too hard) against the inner hub.



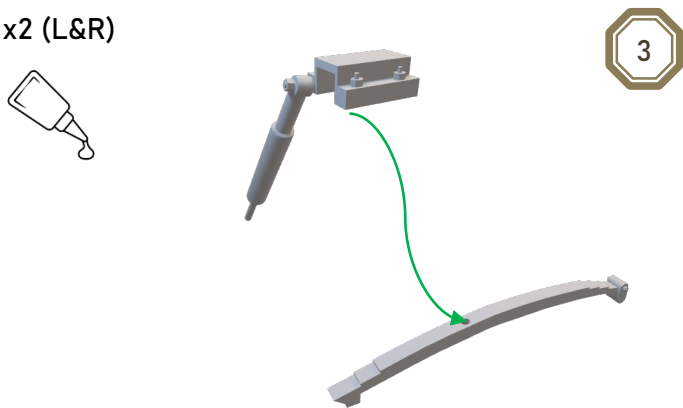
Set your wheels aside. These will be needed soon to adjust the ride height of your HG.

21.

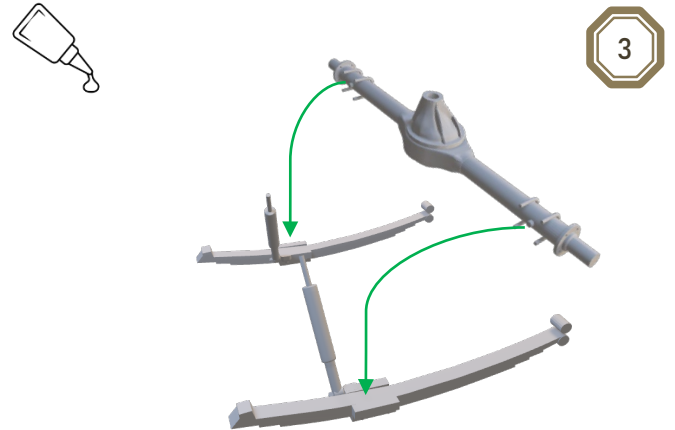


22. SUSPENSION

x2 (L&R)

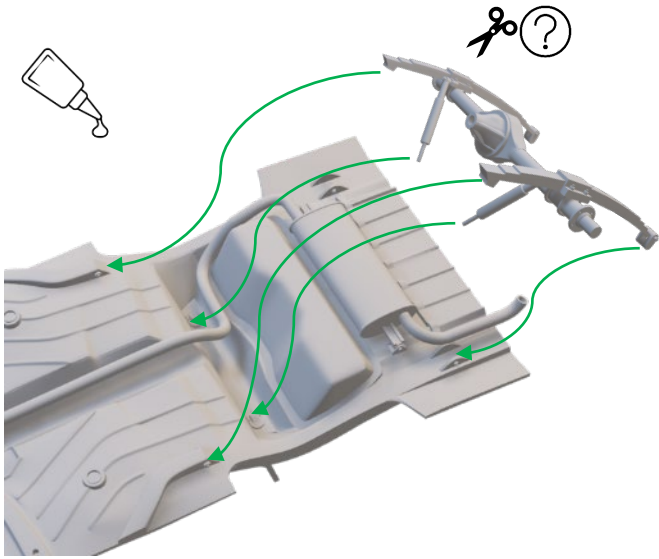


23.

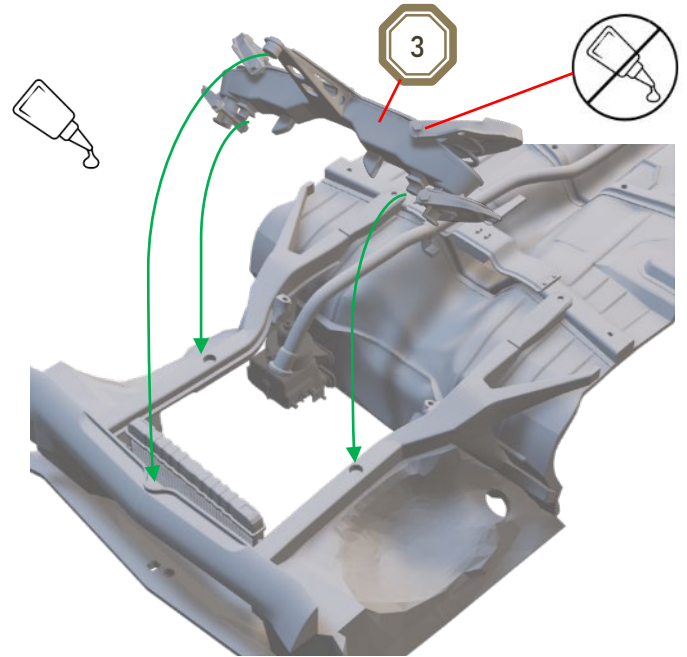


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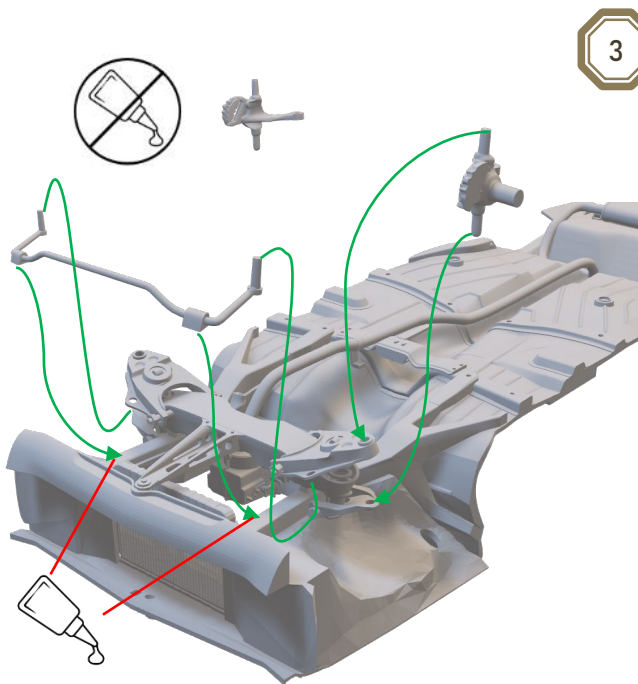
If you want a lower stance than standard, put your floor pan and chassis back into the body temporarily. Fit your wheels onto the axle. Cut the end of the springs before gluing them into place.



25.

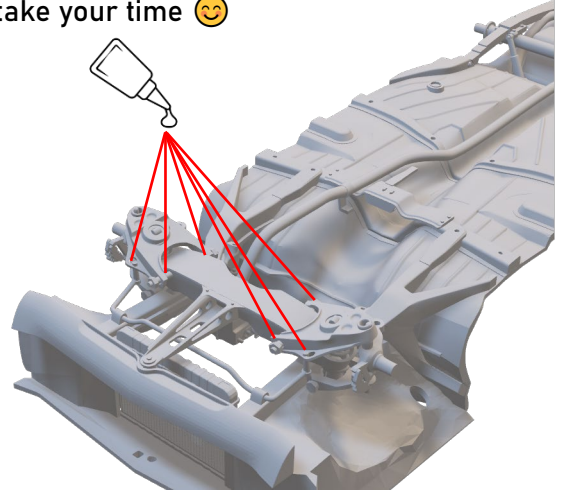


26.

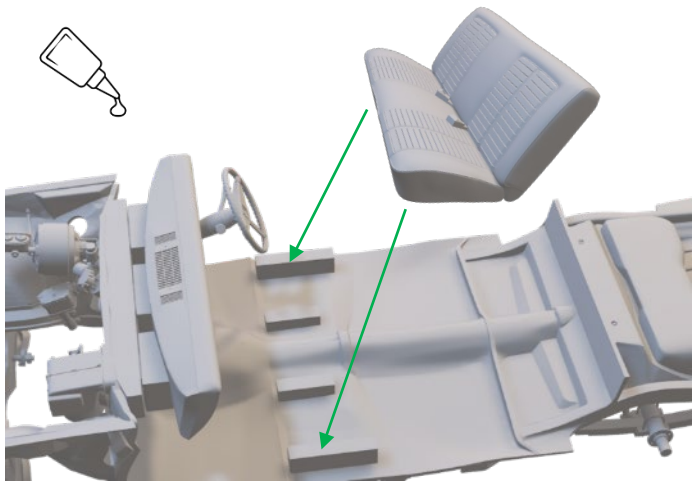


27.

Once the spindles are in, fit the wheels and adjust the front ride height. Once you're happy with the height, glue the suspension control arms (wishbones) into place. This step is really tricky, so please grab a stiff drink & take your time 😊

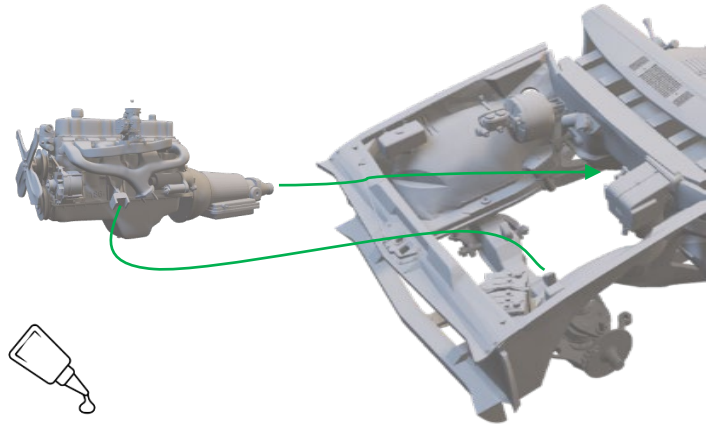


32.

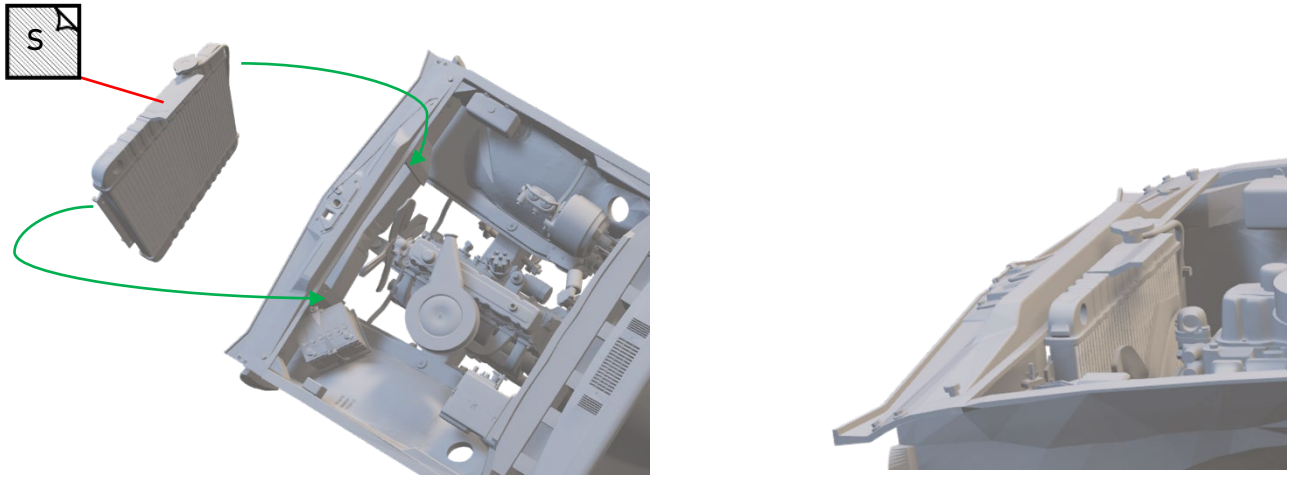


33.

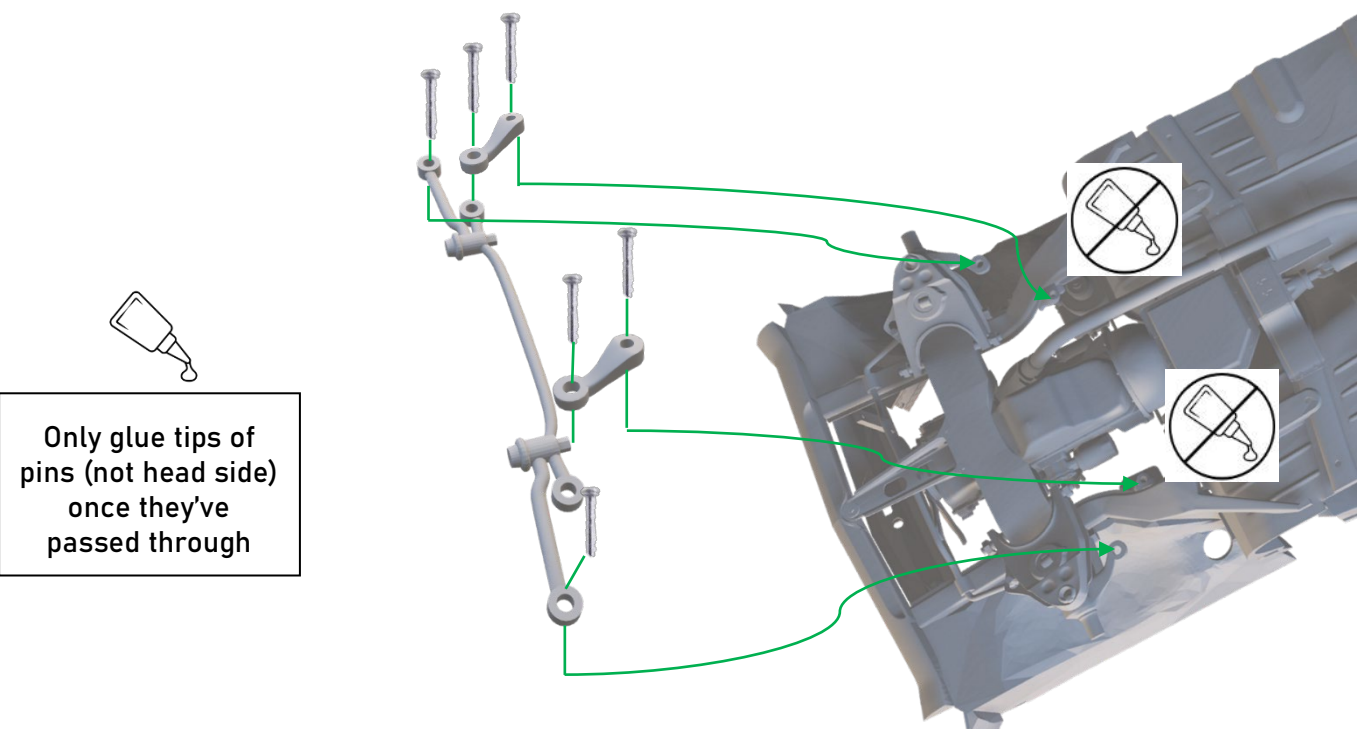
Glue to gearbox crossmember (from Step 1) under, and engine mount points. Insert the drive shaft between the transmission and Diff.



34.

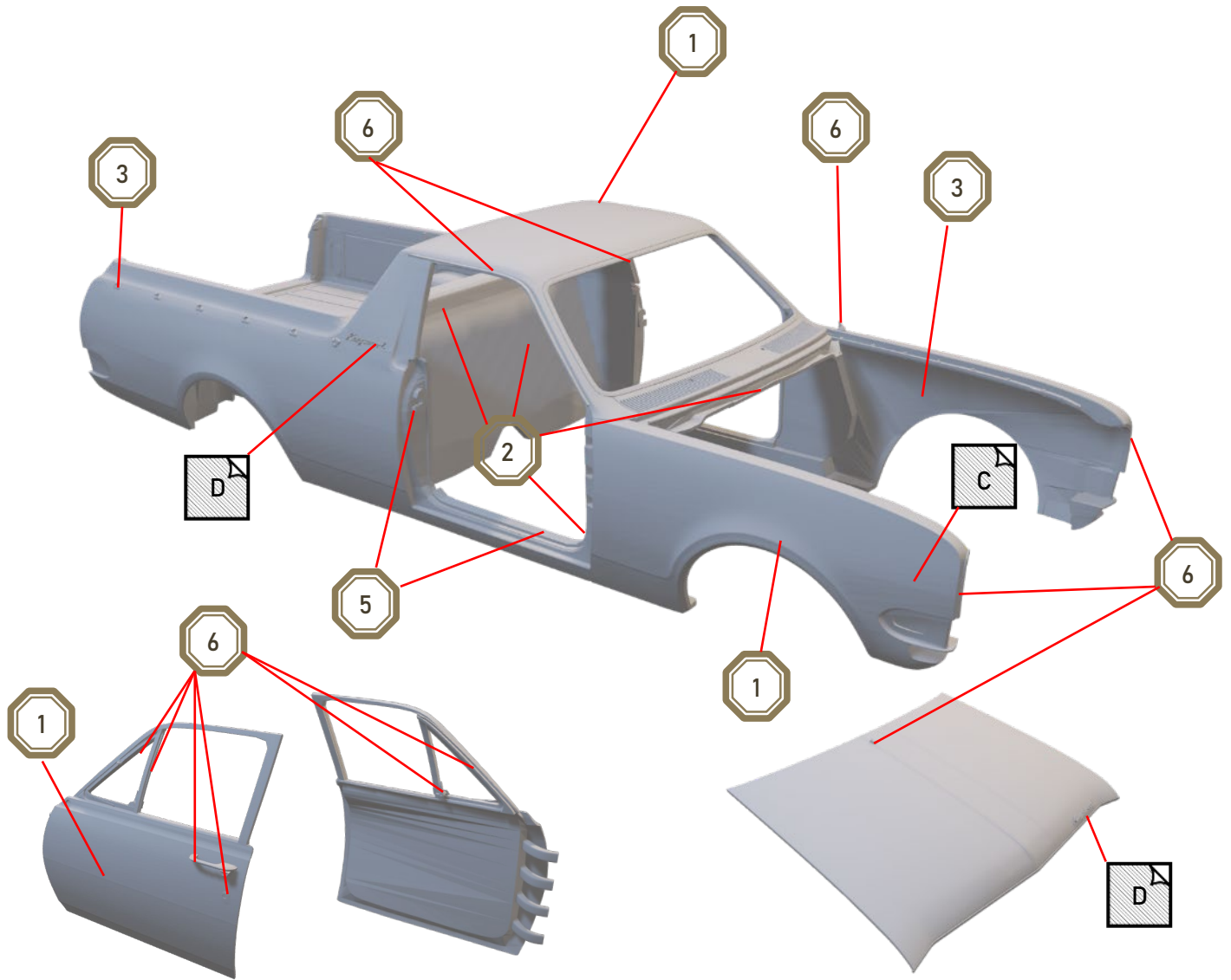


35.

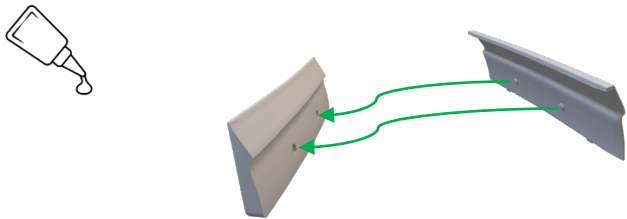


Only glue tips of pins (not head side) once they've passed through


36. BODY

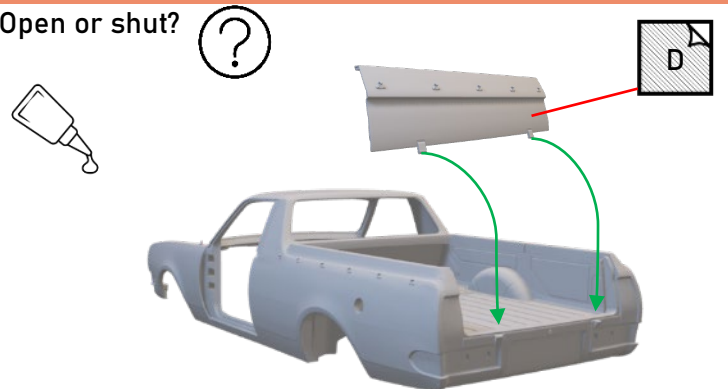


37.



38.

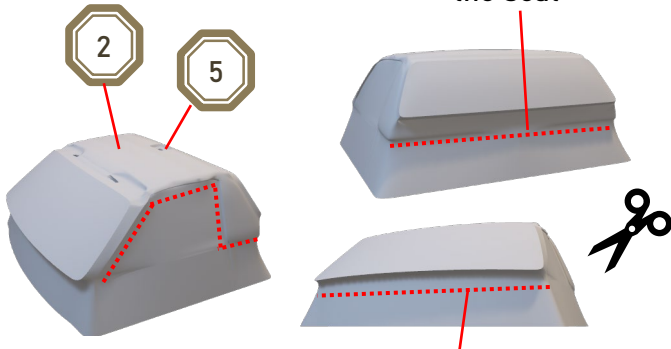
Open or shut? 



39. VAC FORMED WINDOWS

Apply interior paint to the interior of the vac formed windows.

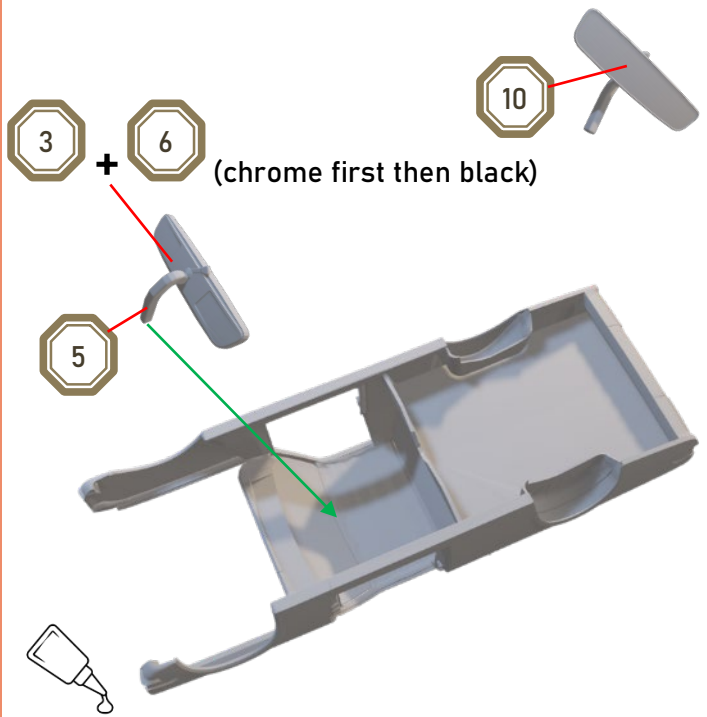
Allow enough for the cut to be down behind the seat



Not right up under windscreen, allow a few mm to slide down between body and dash

Use FOAM SAFE CA Glue (Supa-glue) for clear parts.
Normal CA Glue will cloud the clear parts

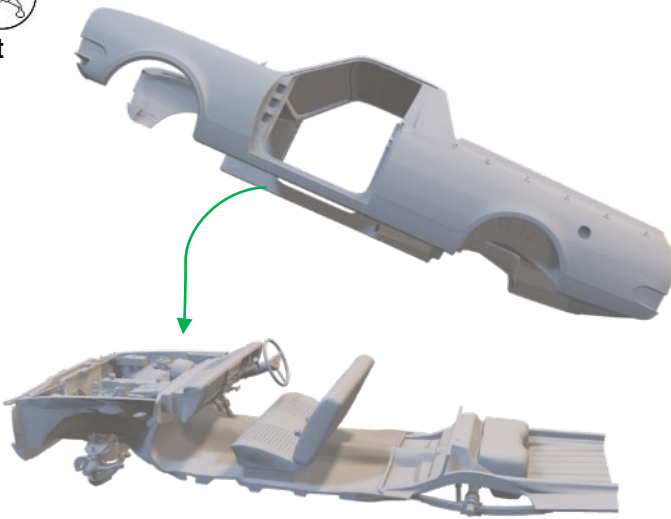
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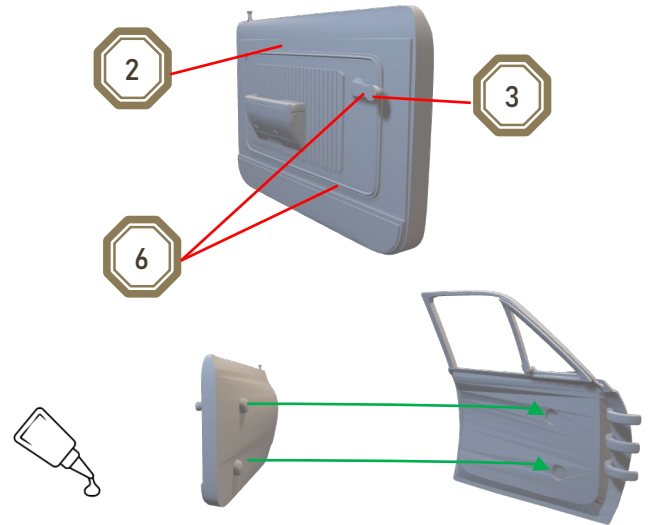
41.



yet



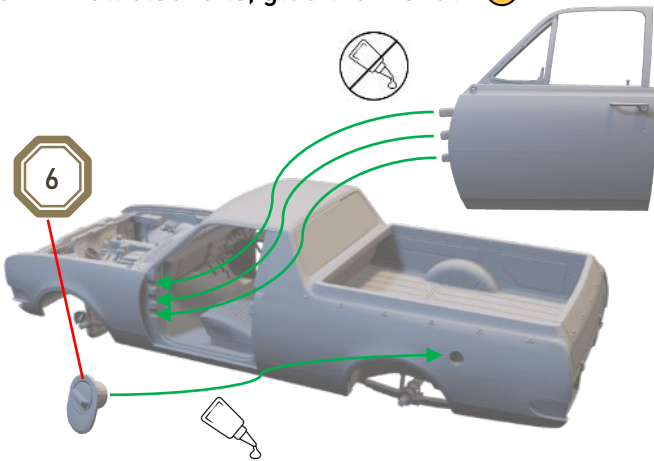
42.



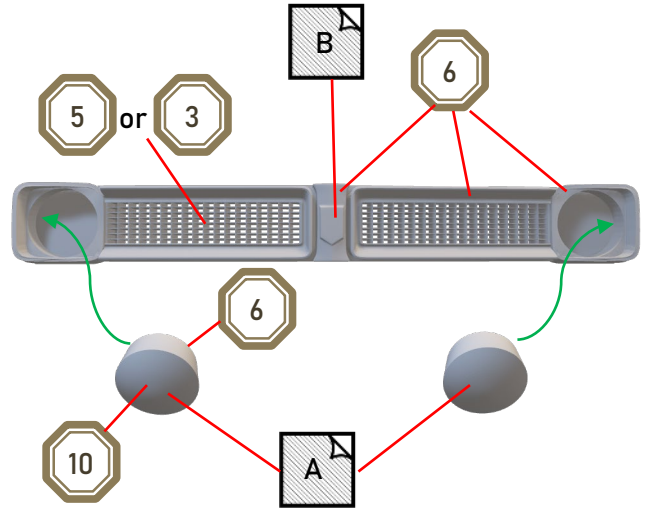
43.

x2

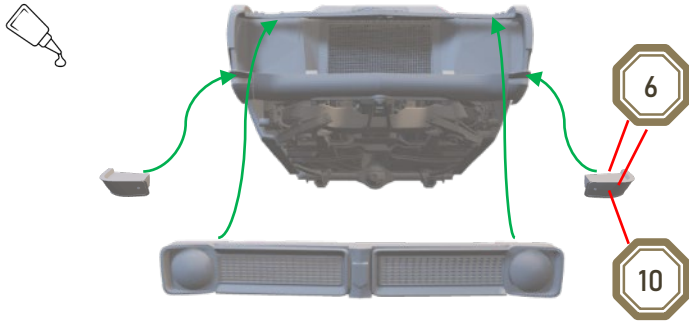
The door "hinges" will take some filing etc to get it to work. If all else fails, glue them shut!! 😊



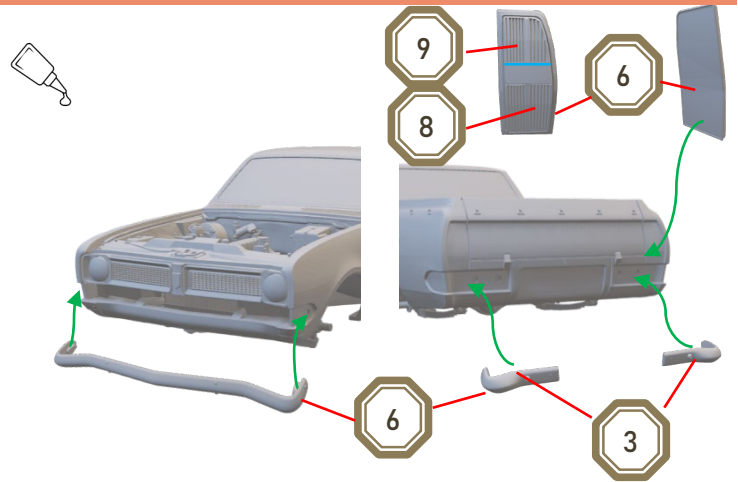
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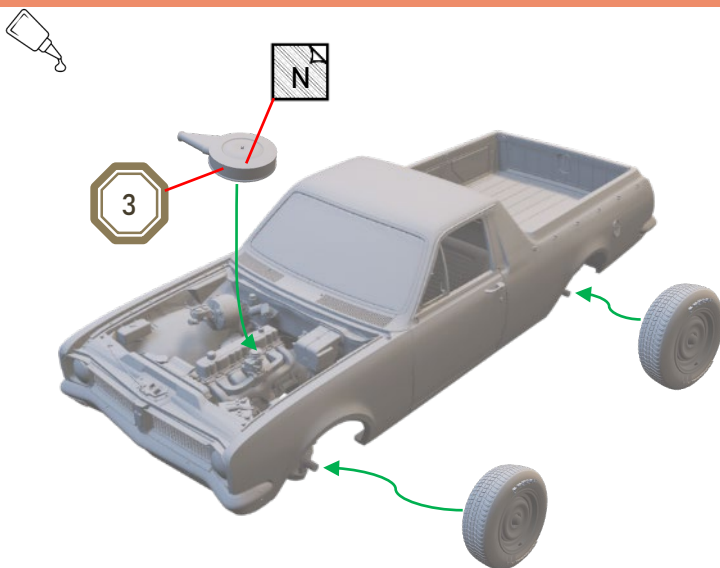
45.



46.



47.



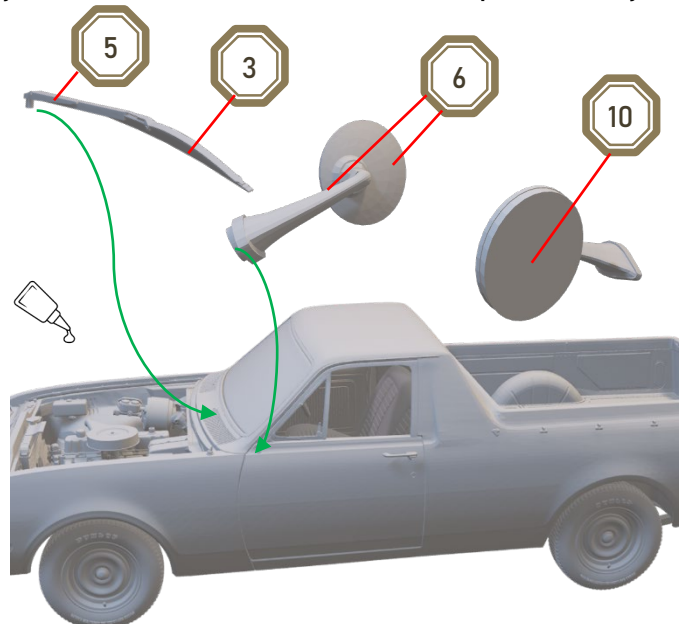
Again it's important not to let glue run into the wheel and glue the inner hub! This will stop your wheels rotating.

Do for L&R

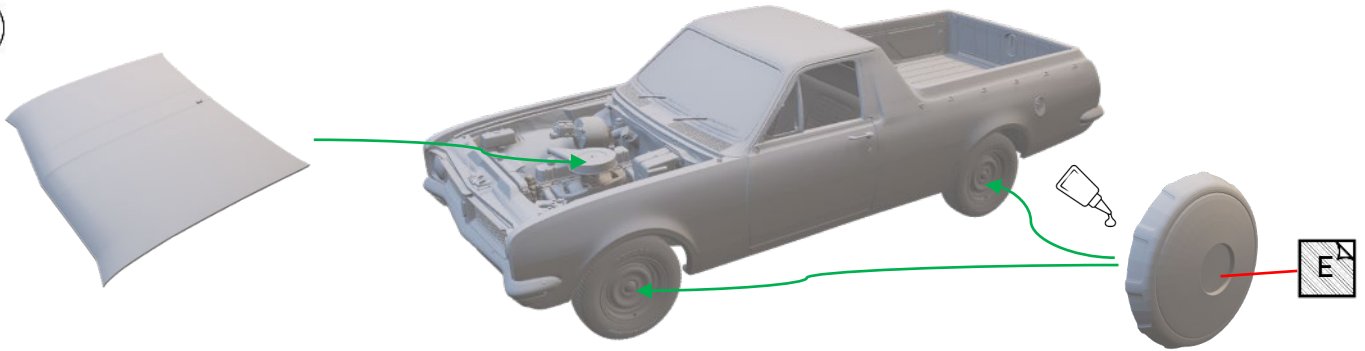
48.

Do for L&R

This part is very delicate. Please handle with care. If you break it, contact me and I will replace it for you.



49.



Congrat's. I sincerely hope you enjoy you model, and didn't lose too much hair in the process!

Thank you again for choosing a Fulbore Model Kit



www.fulboremodels.com

FulBore
Resin Models