



FulBore
Resin Models

1980 HDT VC COMMODORE



KIT ASSEMBLY INSTRUCTIONS

www.fulboremodels.com

The VC HDT's origins came about from the need to fund the newly purchased HDT Race Team. In short, Vin Keane and a network of dealers around Australia got together to form a network that would sell road cars if they were designed and built by Brock, which would in turn fund the race team. This ultimately led to the creation of HDT Special Vehicles (HSV).

To get things underway, Vin donated a blue VB SL as a prototype which formed the basis of the VC HDT's we know today. The blue SL was fitted with the familiar bodykit and came with a beige interior and was in fact numbered 000, with 001 being a two-tone Malachite/Sage green version, however all production models were either Palais White, Firethorn Red or Tuxedo Black, based on the Marlboro colours.



All vehicles featured the Carmine coloured interior and were all SL/E based, so came with the crushed velour interior, Air conditioning, Front headlight wipers, chrome trim (including the outer edges of the front grille), central locking, front & rear reading lights, electric windows and dual pipe exhaust system.

A distinctive 3 colour stripe was put on the vehicle which went from the front of the car to the rear of the back doors, however, a few owners opted to delete these stripes.

500 of these vehicles were built and the cars were available with either the M21 manual transmission or the TH350 3 speed automatic. Engine improvements to the 5.0 litre engine included a new cold air induction system which drew air from behind the passenger side headlight, chrome air cleaner lid and rocker covers, as well as gas flowed cylinder heads and port matched inlet manifold. Other custom features were the HDT footrest, Momo Steering wheel (which wore the vehicles build number) and some suspension work to make the cars handle as well as they went.

The publics first introduction to the VC's was in a celebrity one make race held at Calder Park in 1980, referred to as "The Race of Champions", where various local and international drivers took part in a two race series. The cars were fitted with a roll cage and hand numbered steering wheel as the wheels did not arrive in time to be properly engraved. Brock's (#7) was the only Black car in the field and these cars would later be sold off to the public as the Brock Special.



Info from hdt.com.au

Thanks for your purchase, and I truly hope you have fun building your VC Brock Special.

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.

New to Printed 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 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 and supports remnants from the 3D print process. It's recommended to sand the larger components initially with 320 Grit wet & dry sandpaper, working up to min 600 Grit

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.



- Decal softener & hardener

NICE STUFF TO HAVE FOR A BETTER JOB (OPTIONAL)



- Molotow 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

Always work in a well-ventilated area when working with the materials include in and required for the construction of this kit including adhesives, primers, paints, resin parts etc, , 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 cutting parts, 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



Important information

PAINT COLOURS

The VC HDT Commodore was available in 3 external colours and one very fiery red interior colour scheme. All VC HDT Commodores were either Palais White, Firethorn Red or Tuxedo Black, based on the Marlboro colours. Outlaw Paints has produced a range of paints, from the original paint colour codes, especially for this kit.

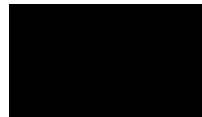


FOR BETTER RESULTS, MINIMISE PAINT ON SURFACES THAT NEED TO BE GLUED

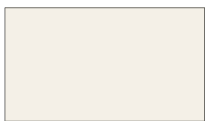
EXTERIOR COLOURS



Firethorn Red
Outlaw Paints - Firethorn Red



Tuxedo Black
Outlaw Paints - Tuxedo Black



Palais White
Outlaw Paints - Palais White



INTERIOR COLOURS



Dash / Vinyl - Carmine Dark Red
Outlaw Paints - Carmine Dark Red



Velour - Carmine Light Red
Outlaw Paints - Carmine Light Red



NOTE: ThePartsBox 1282 Red Flocking adds extra reality

OTHER COLOURS



Under body
Outlaw Paints Textured Black



Black Plastic
Outlaw Paints Semi-Gloss Black



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



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





Engine
Outlaw Paints – Holden Engine
Blue



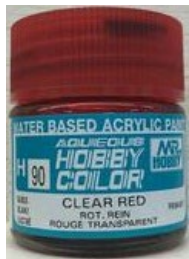
Bilstein Shocks
Outlaw Paints – Yellow



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



Engine Bay components
Outlaw Paints - White



Brake lights
Mr Hobby Clear Red – H90



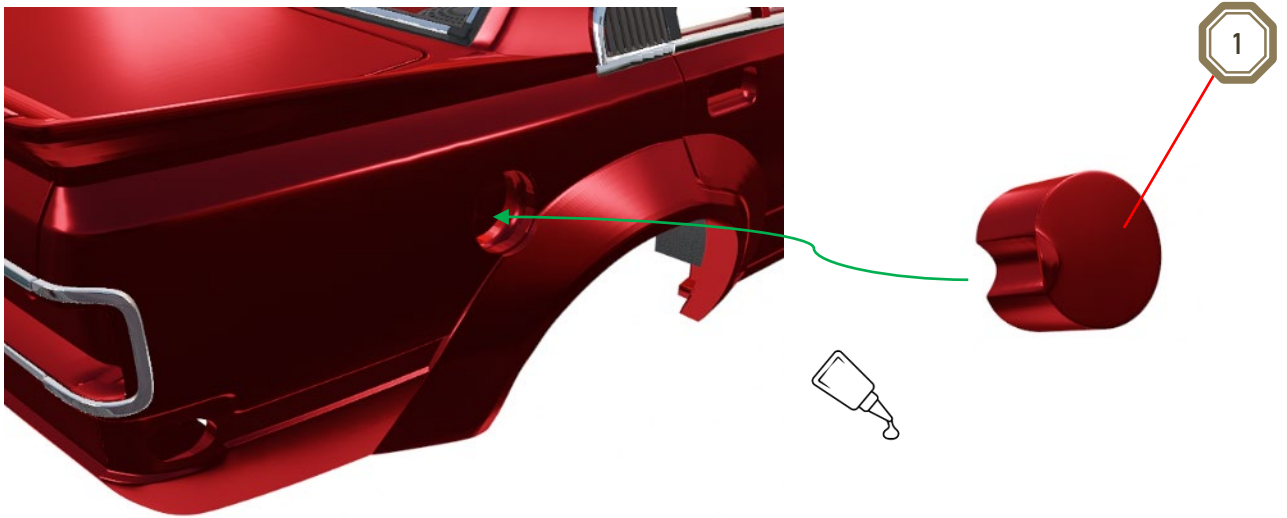
Turn signal lights
Mr Hobby Clear Orange – H92



Headlight Glass, mirrors etc.
Outlaw Paints Gloss Clear

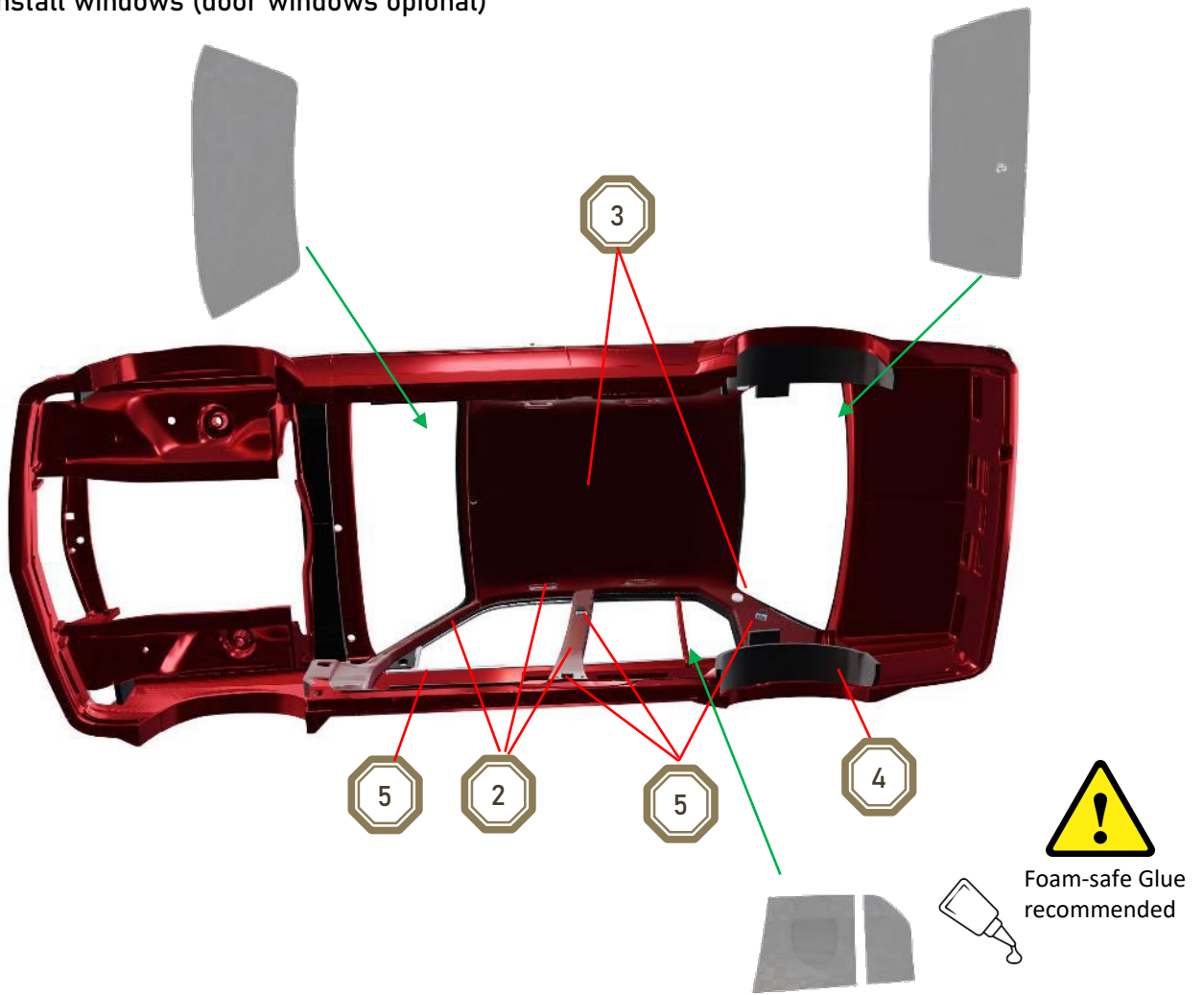


2.



3.

Cut out and install windows (door windows optional)



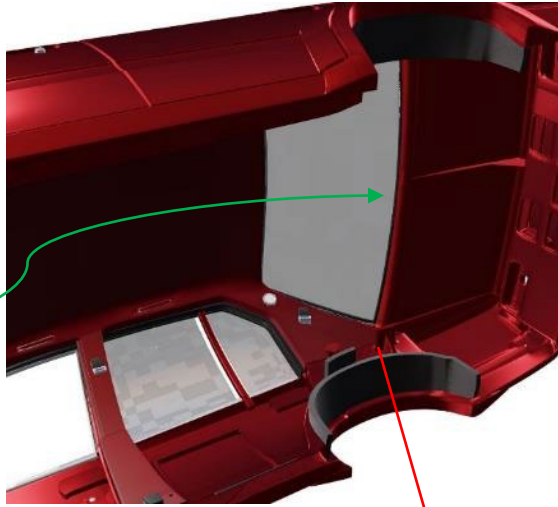
4. PARCEL SHELF



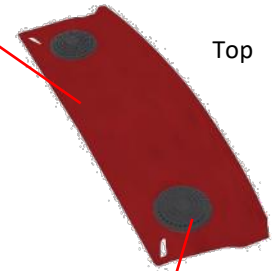
Foam-safe Glue
recommended



On top of shelf
support, hard up to
bottom of window



shelf support



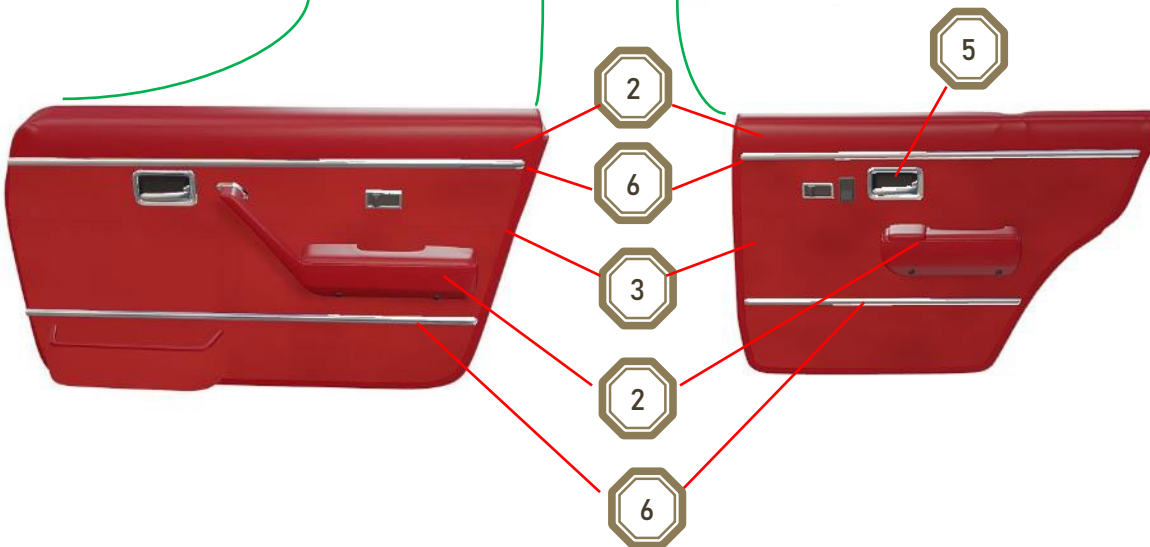
Top



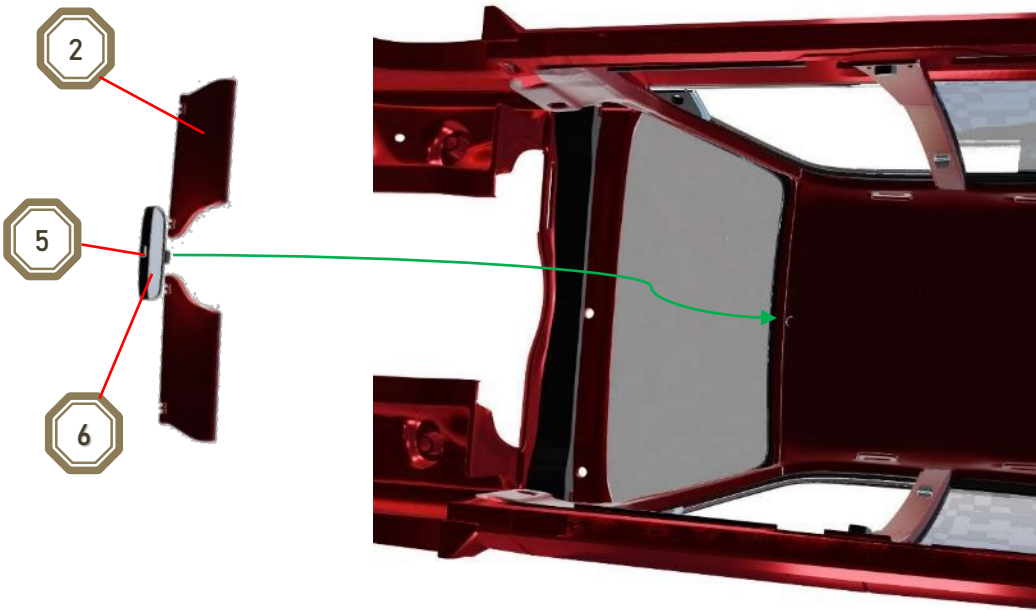
5. DOOR INNERS



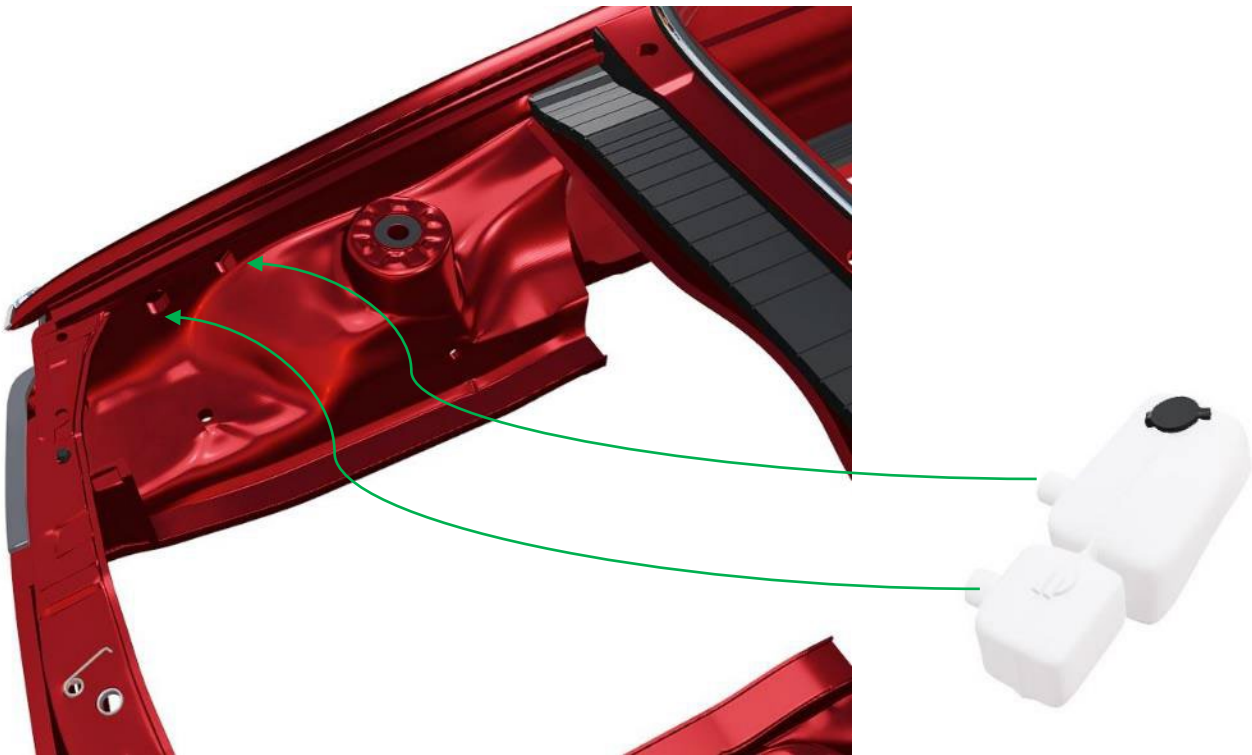
Press firm to
ensure door
skins are fully
into door



6. INTERIOR MIRROR & SUN VISORS

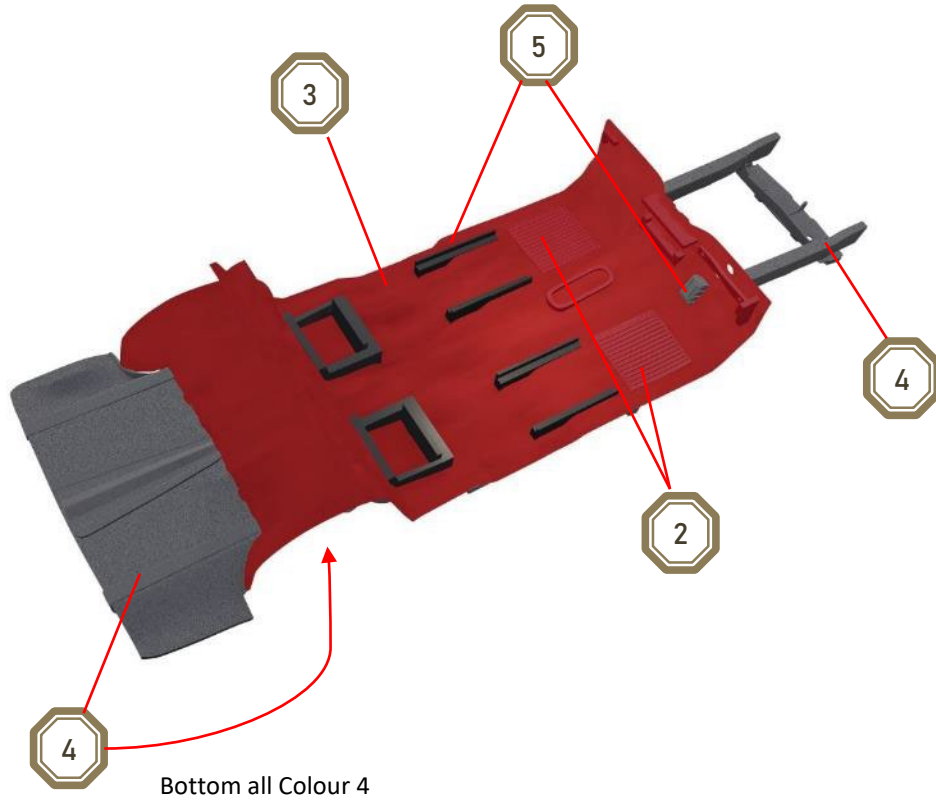


7.

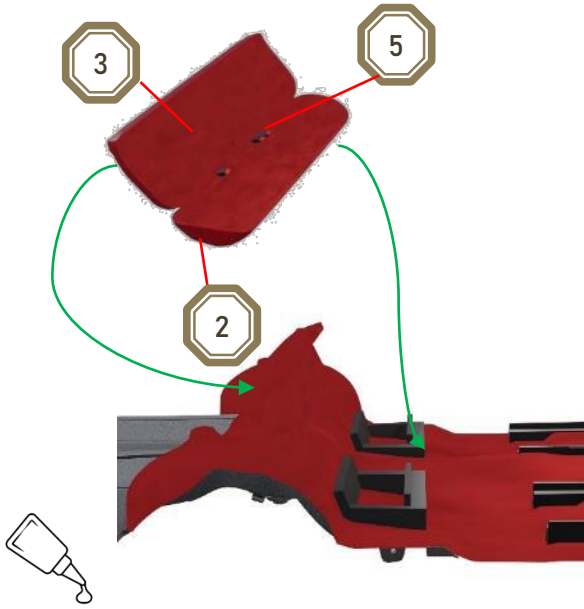


ADD COLOURS

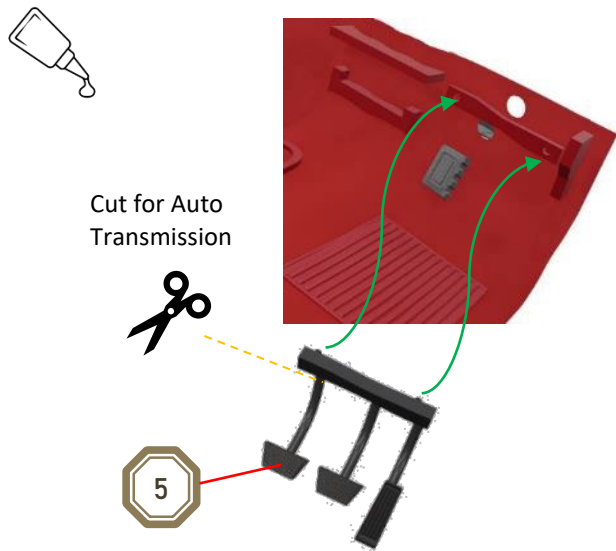
8. INTERIOR



9.

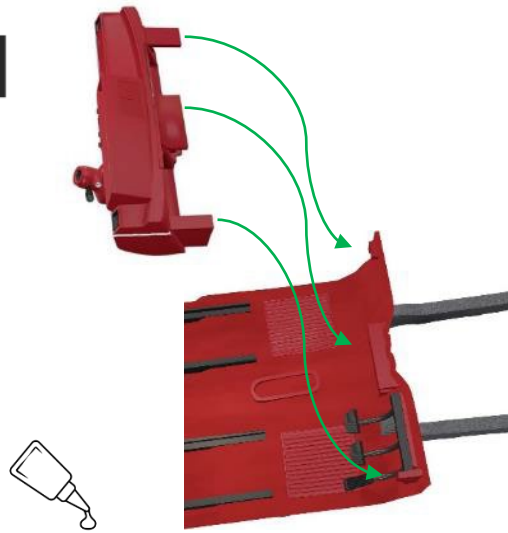
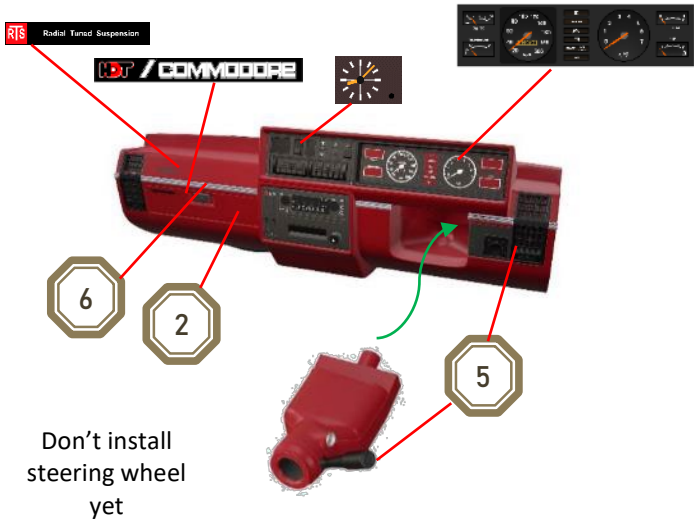


10.



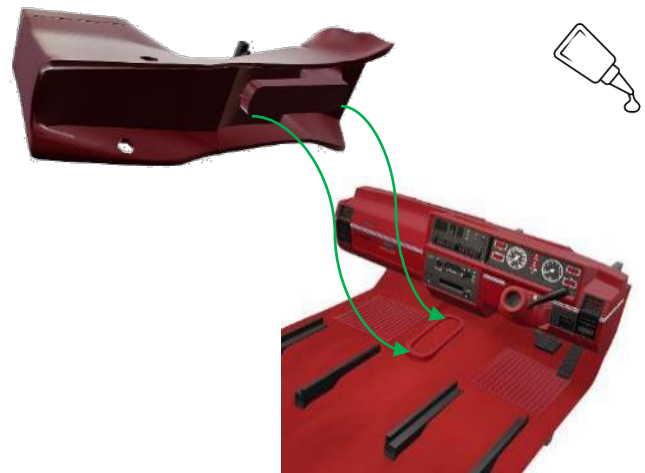
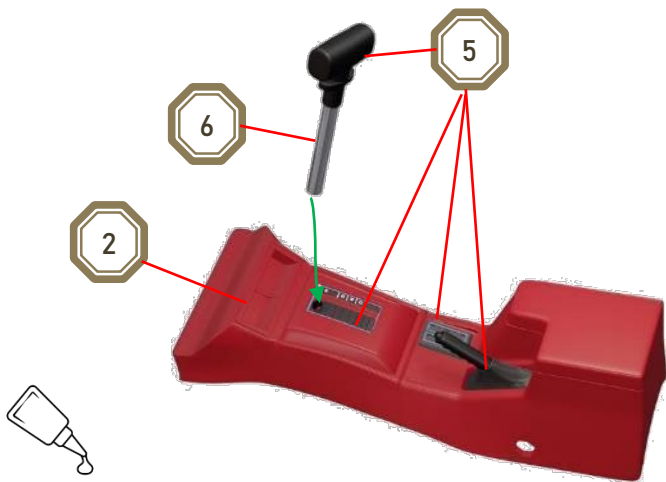
11.

12.



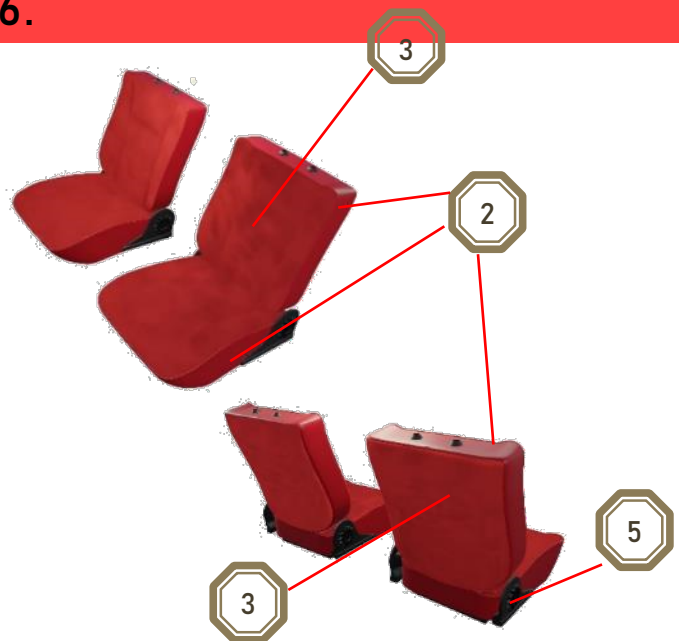
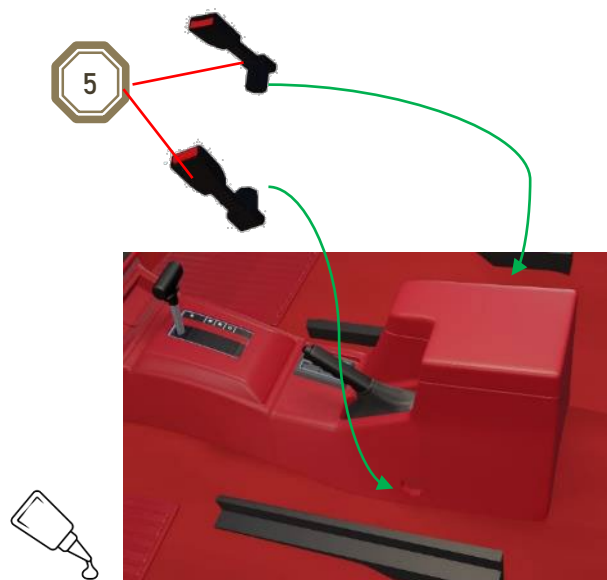
13.

14.

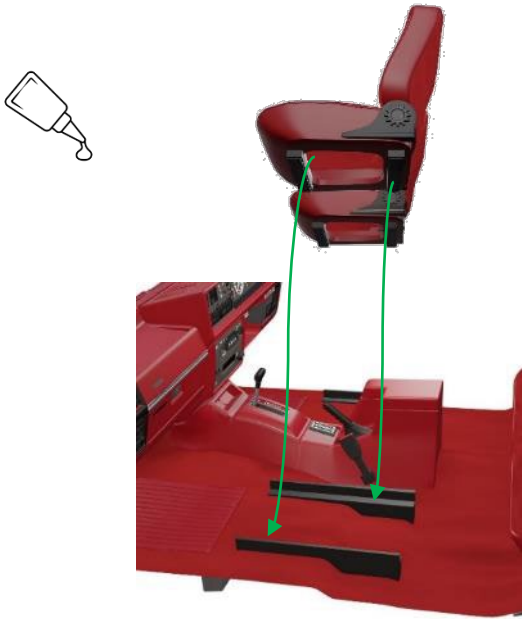


15.

16.



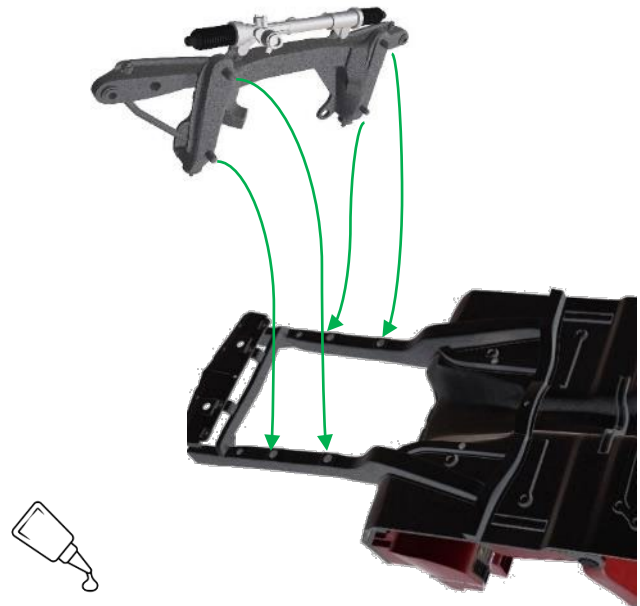
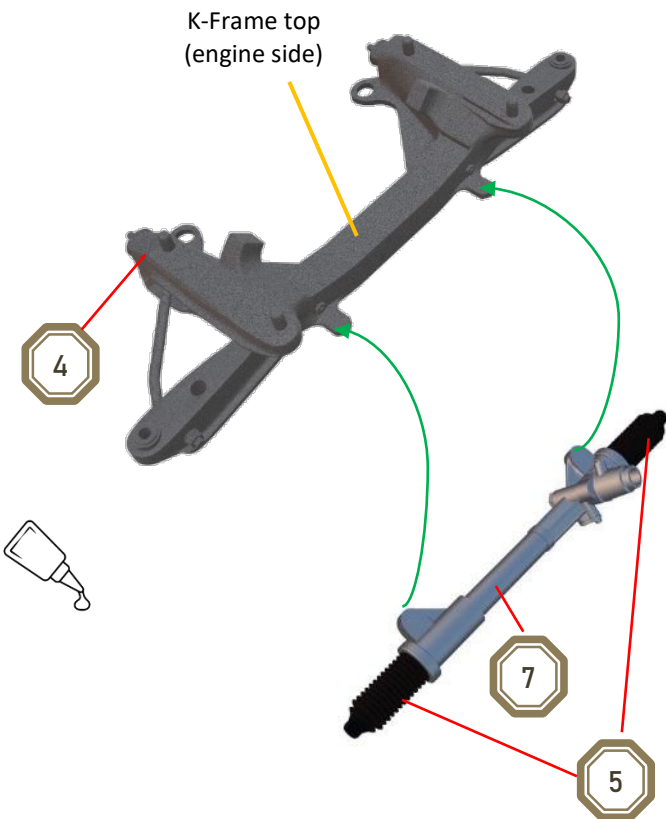
17.



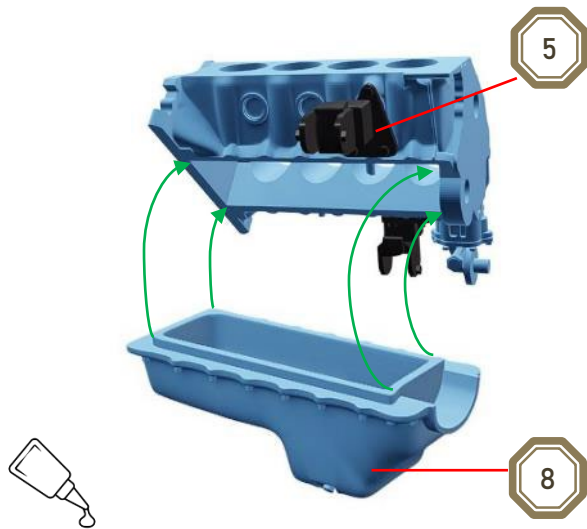
18. STEERING RACK

19. K-FRAME

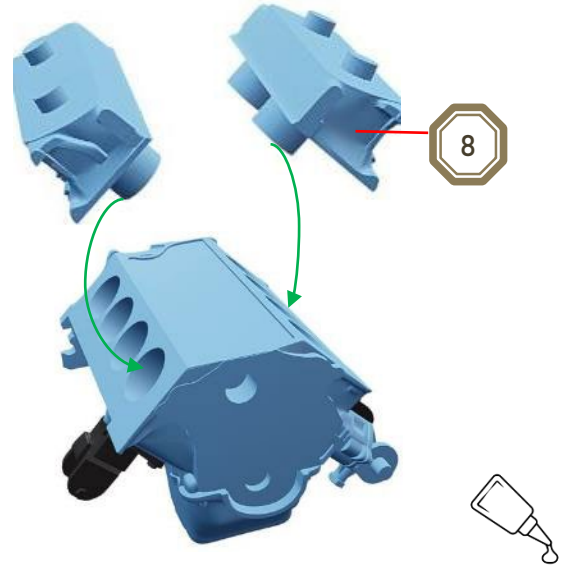
On top of mount points



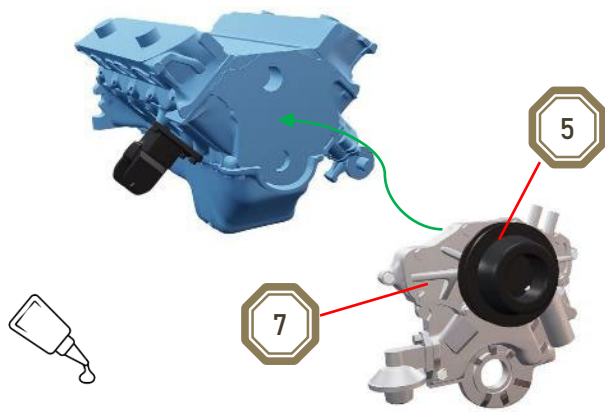
20. BLOCK & SUMP



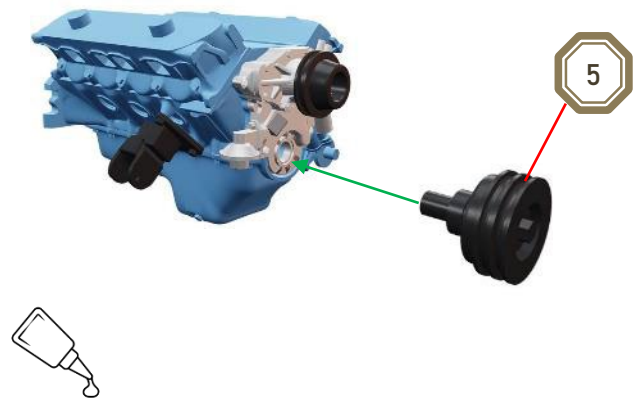
21. HEADS



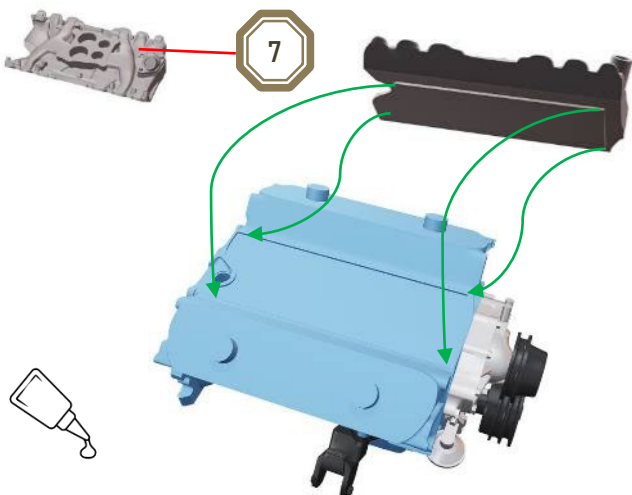
22. WP & TIMING COVER



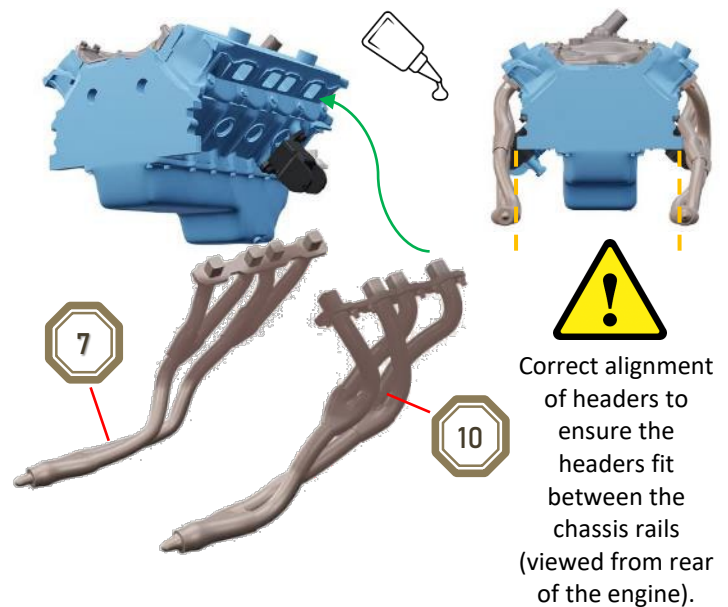
23. CRANK PULLEY



24. INTAKE MANIFOLD

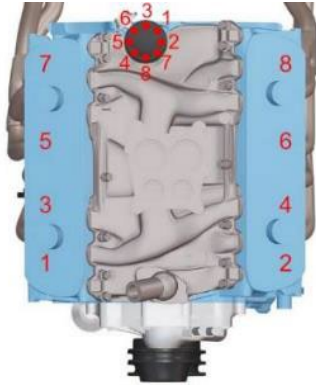


25. HEADERS

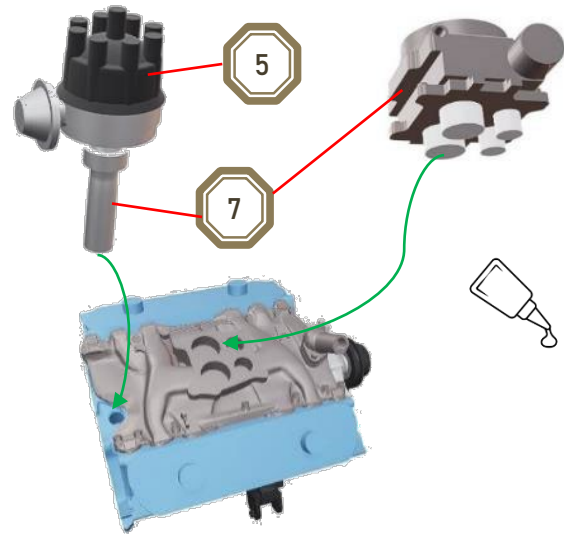


26. PLUG LEADS

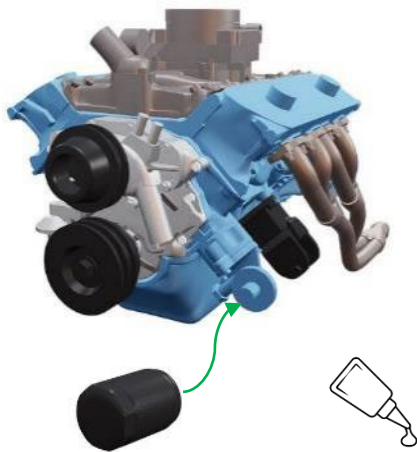
OPTIONAL: Attach plug leads to distributor before installing the distributor. Once distributor is in place the plug leads can be routed to the spark plug holes in the block. This is the firing order for a Holden 5L (308) V8



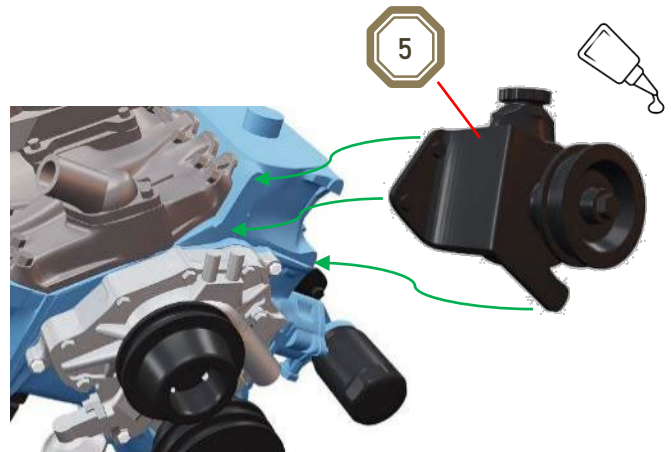
27. DISTRIBUTOR & CARB.



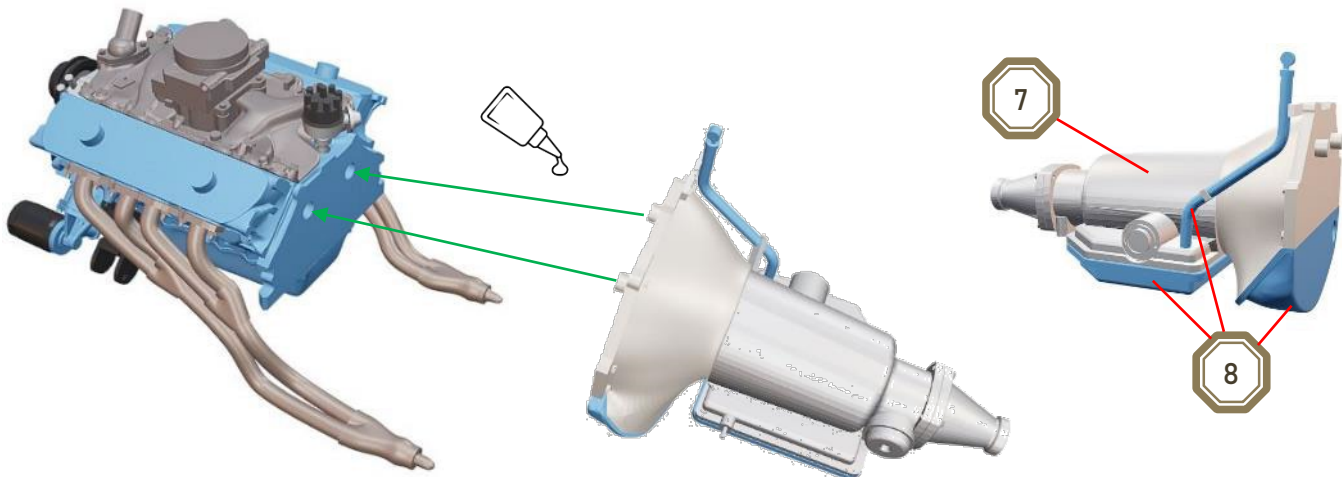
28. OIL FILTER



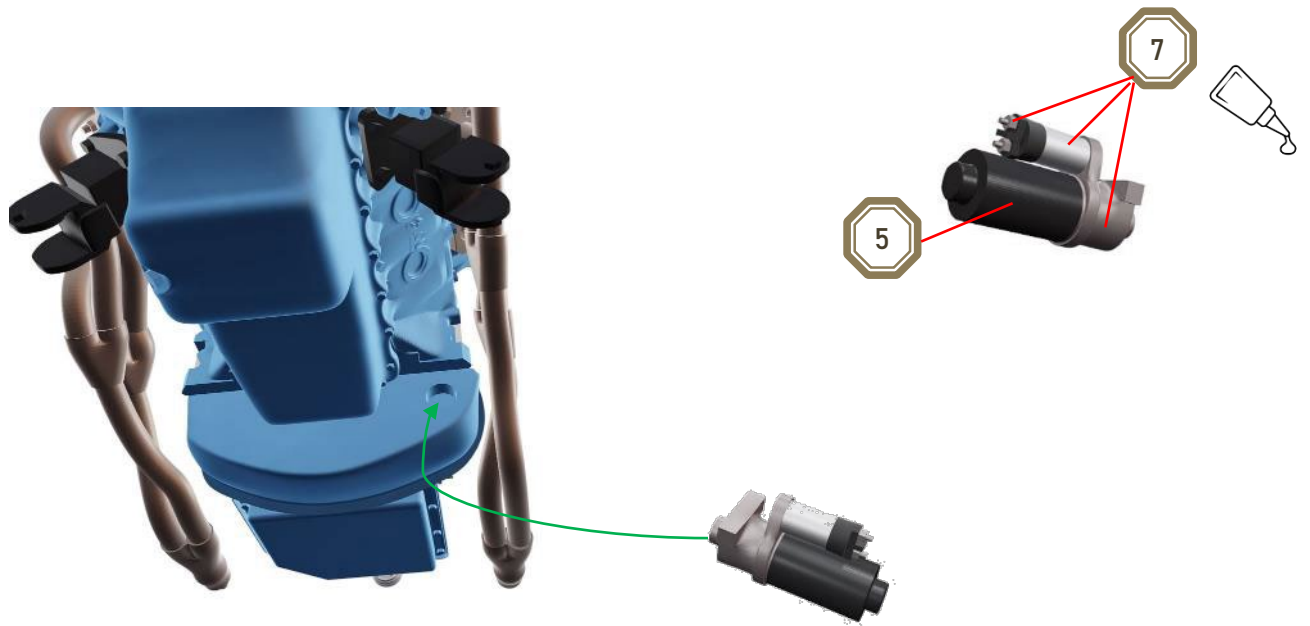
29. PS PUMP



30. TH350 3-SPEED AUTO TRANSMISSION

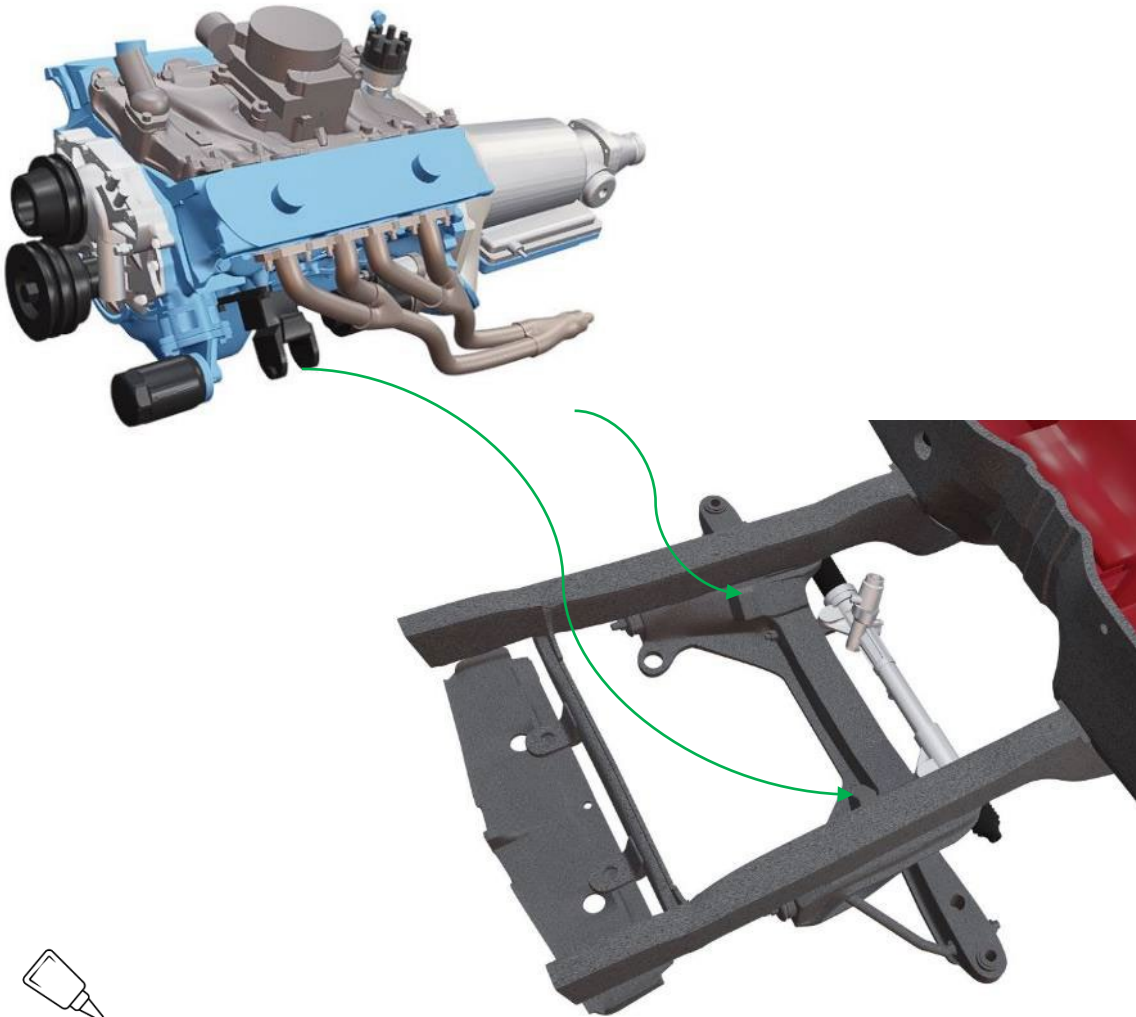


31. STARTER MOTOR

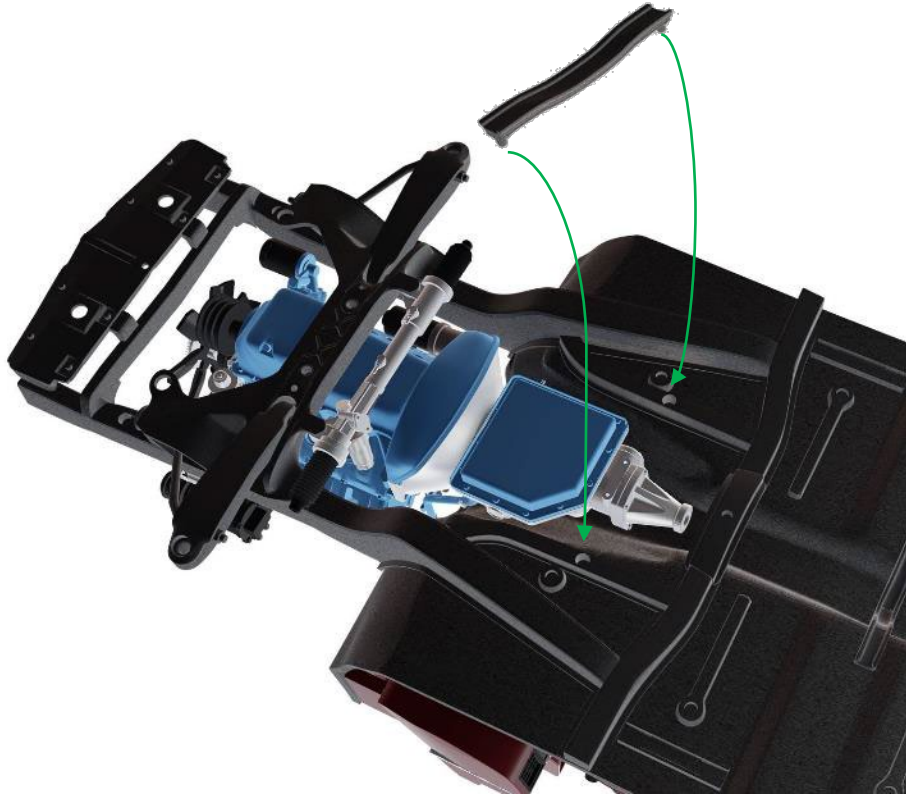


32. INSTALL ENGINE & GEARBOX SUPPORT

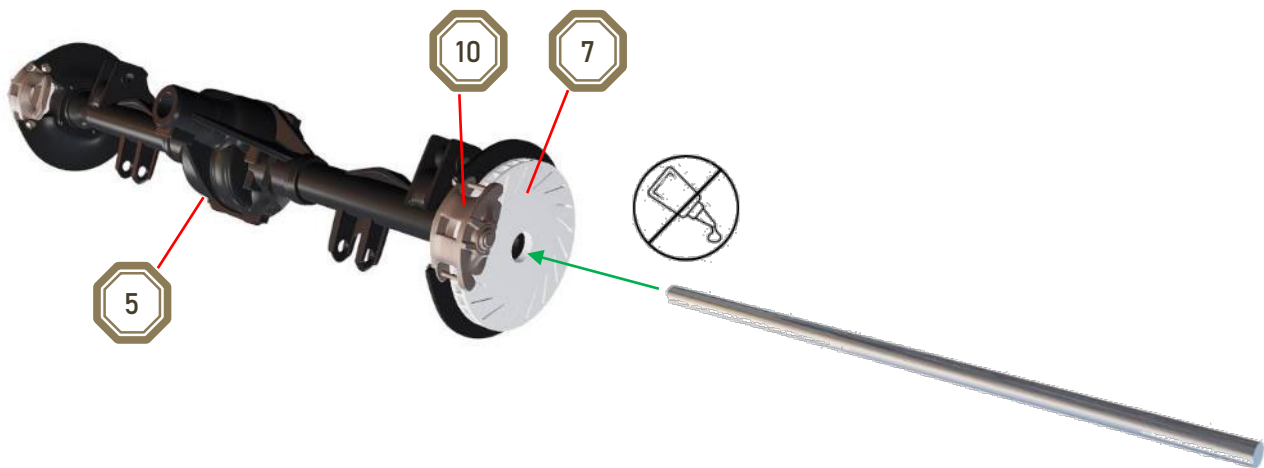
It's best to have the gearbox crossmember (see below) ready to install before gluing the engine to the engine mounts.



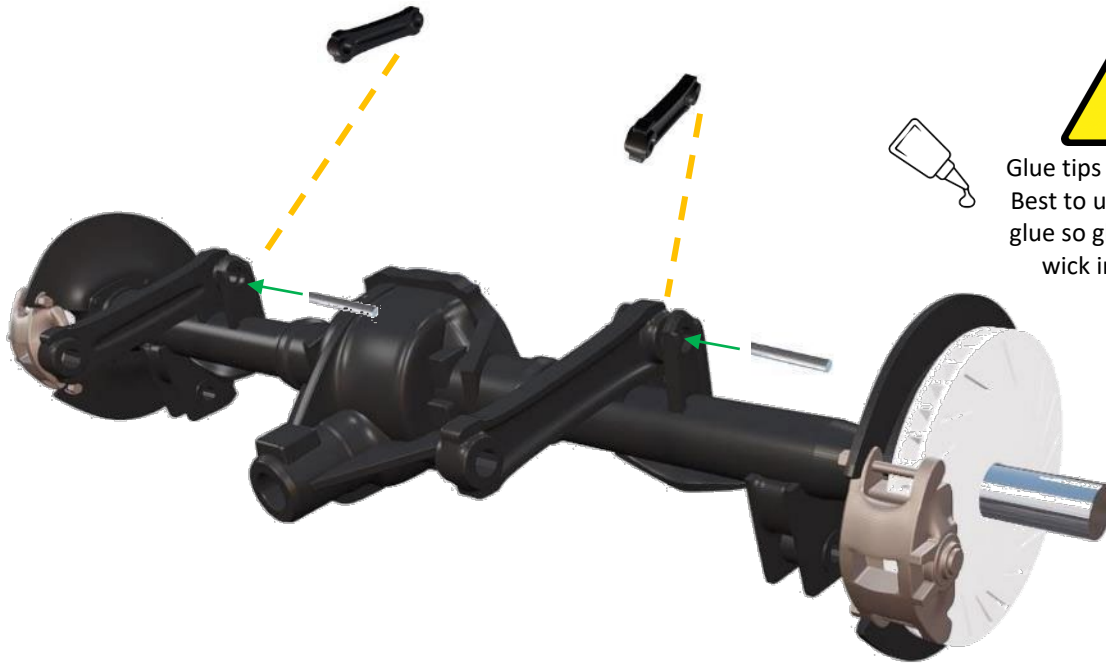
33. GEARBOX SUPPORT



34. REAR AXLE

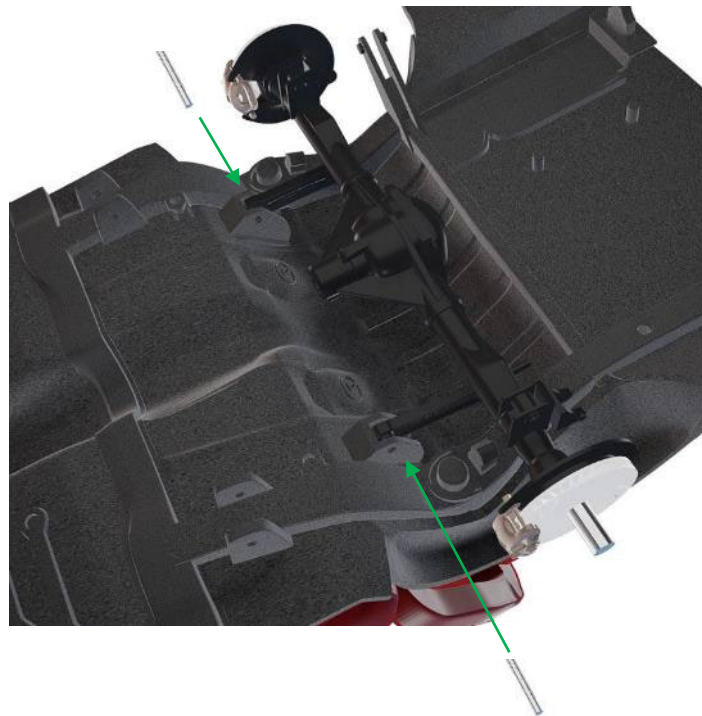


35. UPPER CONTROL ARMS

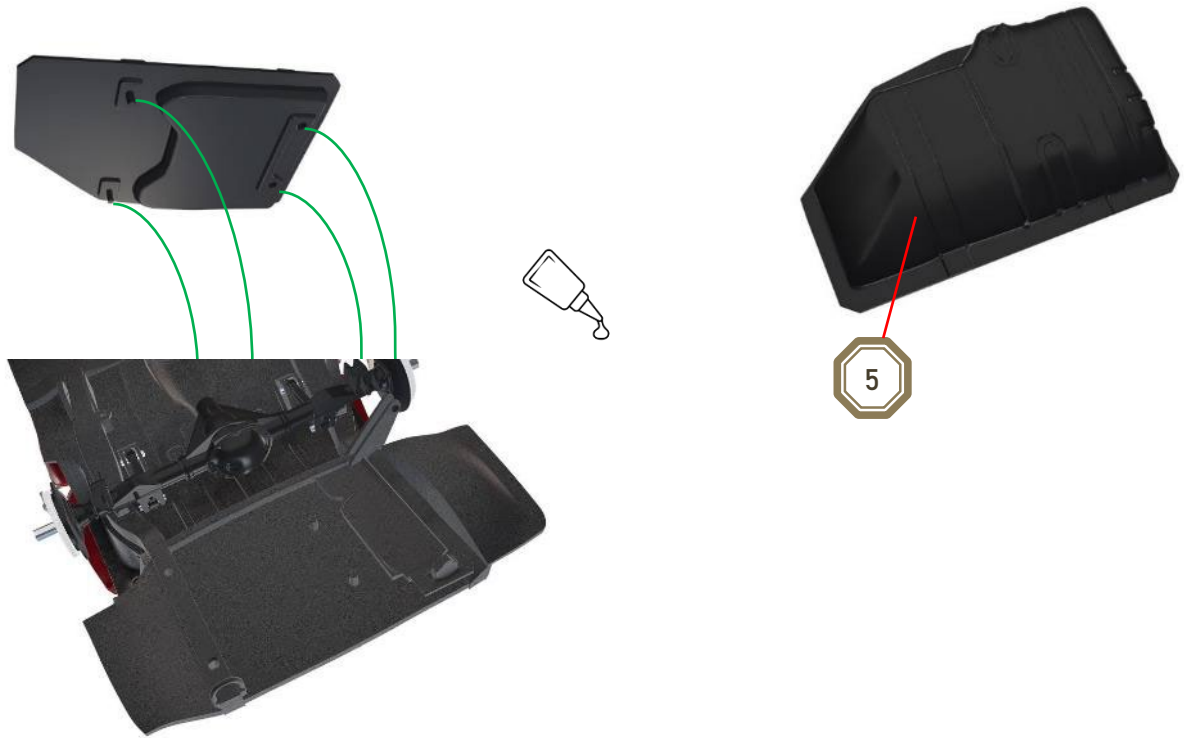


36.

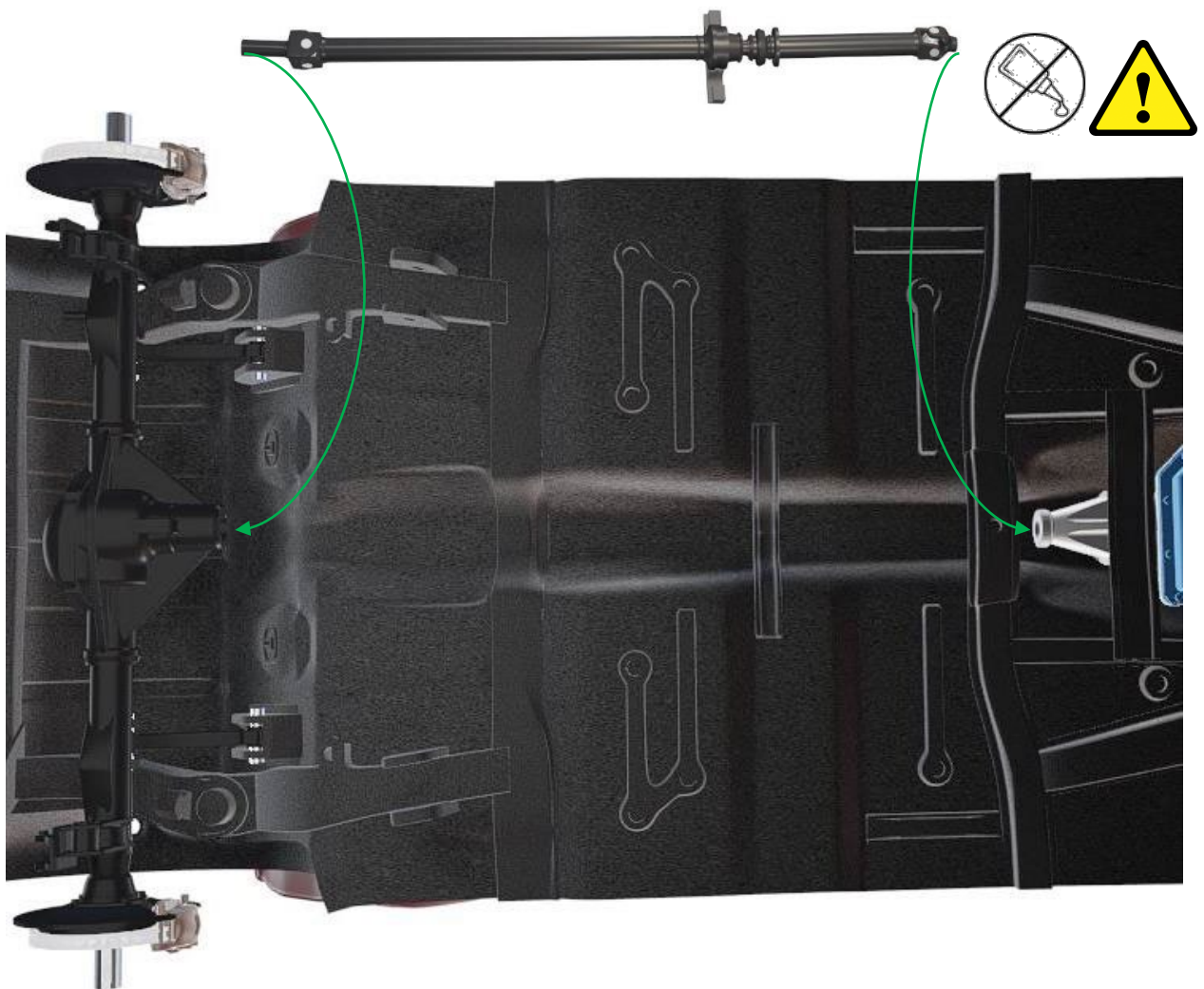
Glue tip of pins only.
Best to use thick CA
glue so glue doesn't
wick into hole



37. FUEL TANK

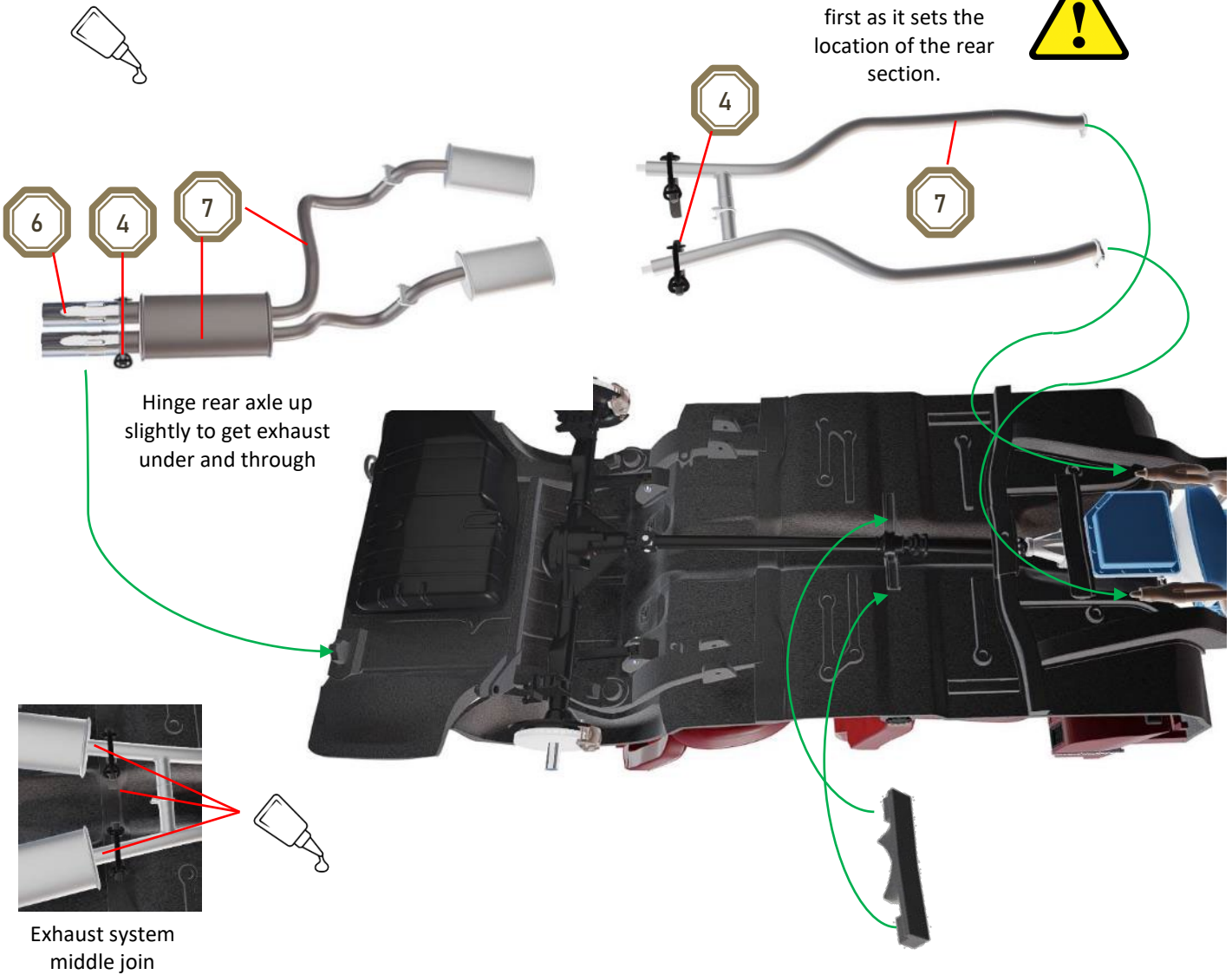


38. DRIVE SHAFT

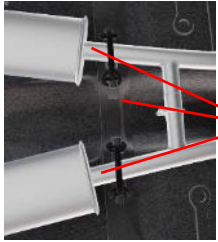


39. EXHAUST

Do this front section first as it sets the location of the rear section.



Hinge rear axle up slightly to get exhaust under and through

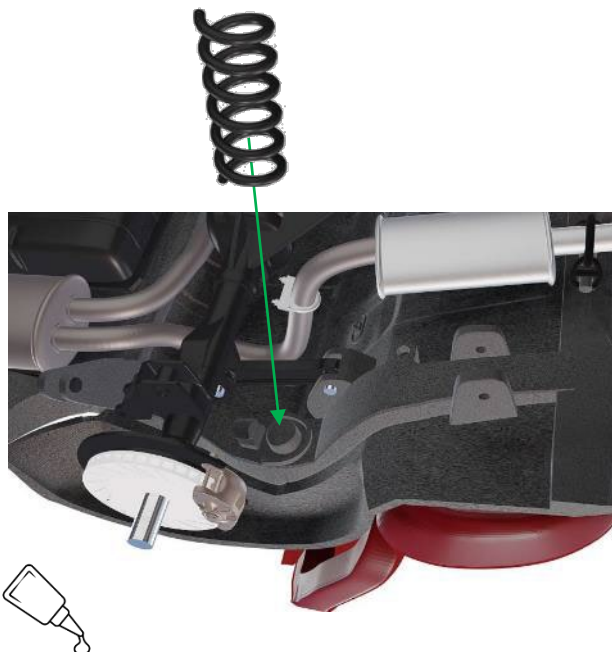


Exhaust system middle joint

40.

LOWER CONTROL ARMS

Do both sides



Driv



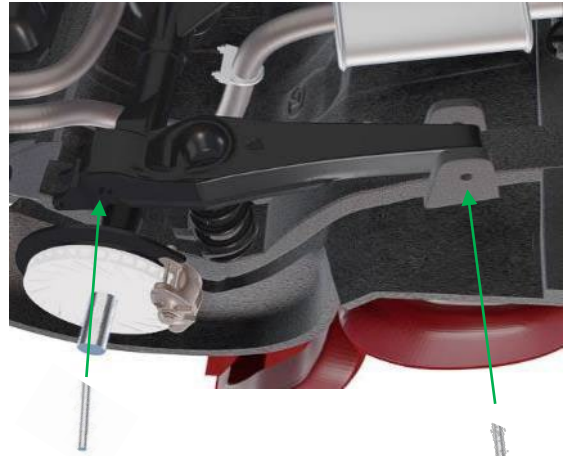
Pass



41.



42.

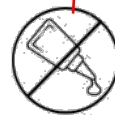
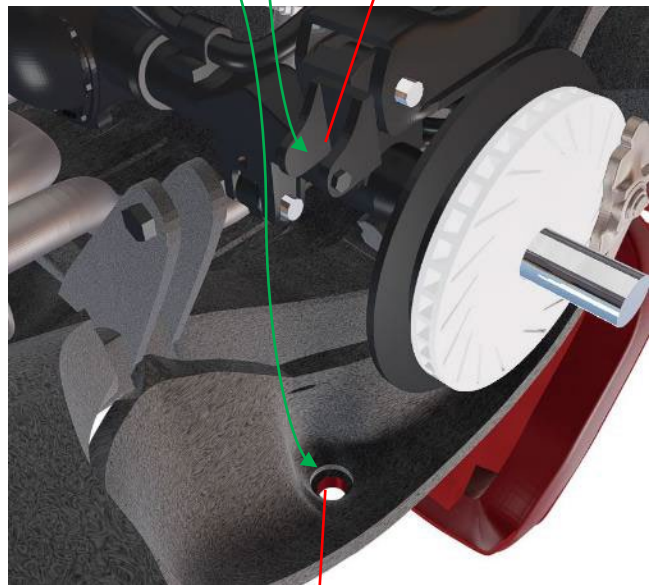
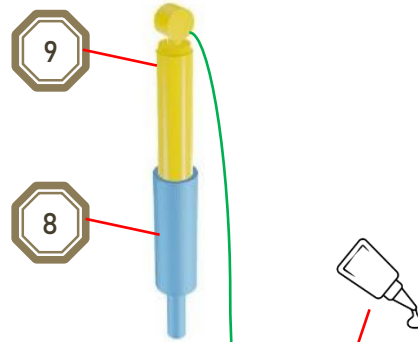
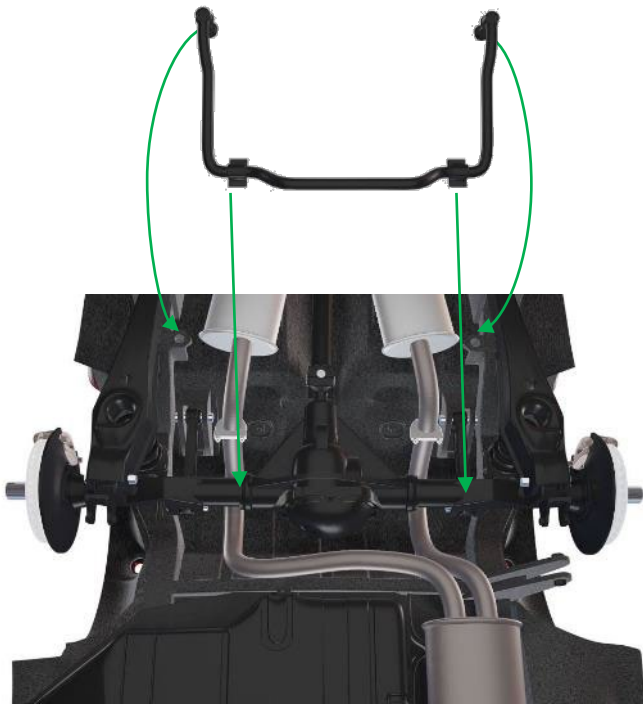


Glue tip of pins only.
Best to use thick CA
glue so glue doesn't
wick into hole



43. REAR SWAY BAR

44. REAR SHOCKS

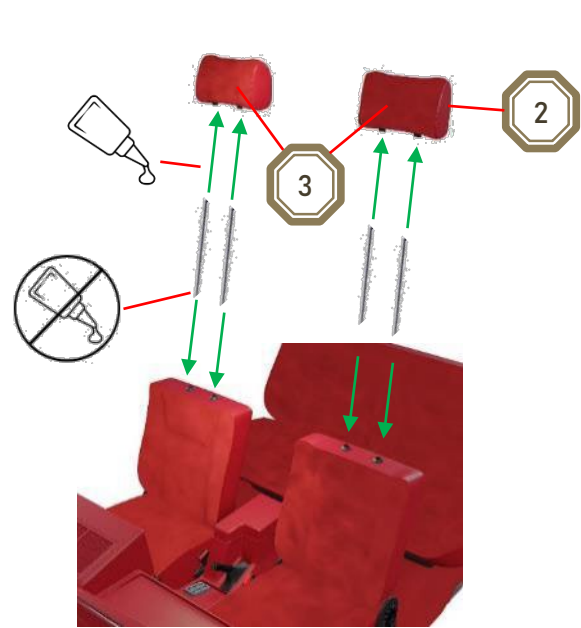


45. PANHARD ROD



46. HEAD RESTS

47.



48.



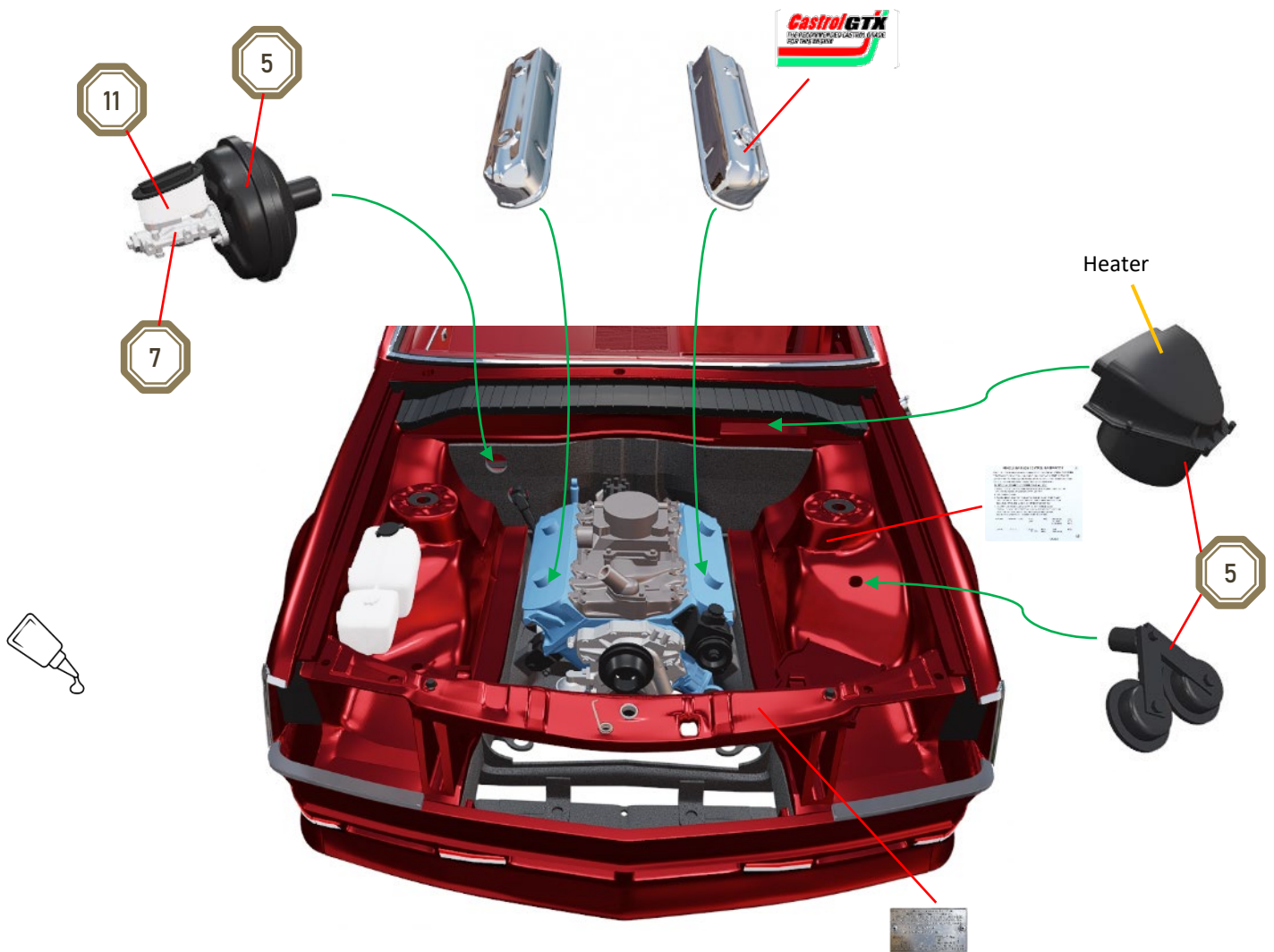
1. Insert rear end first. Best glue points are rear inner guards to fixing plates, body side sills to floor pan, and front chassis rails to spoiler



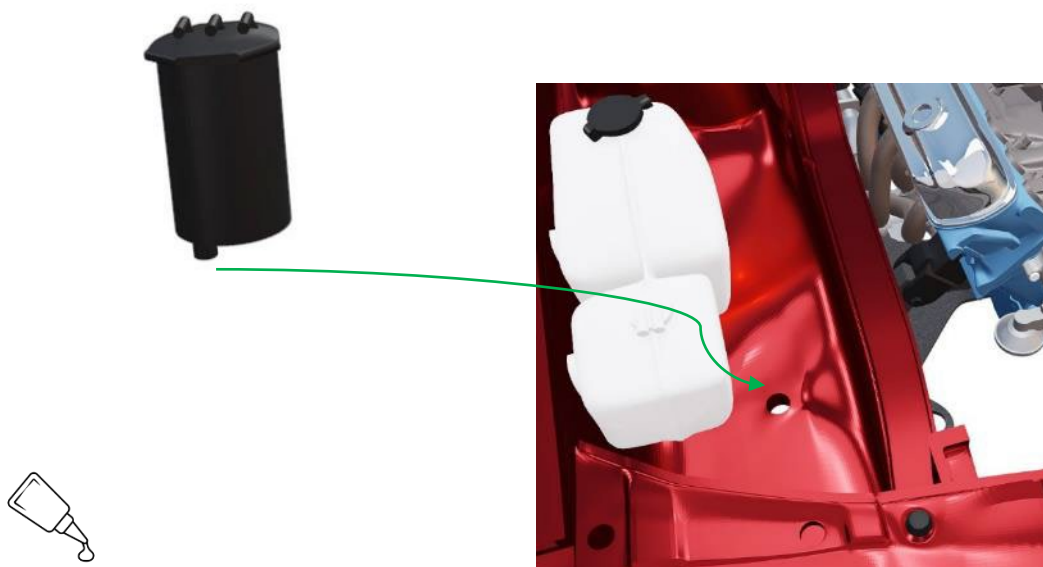
2. Gently flex spoiler so chassis rails insert into guides



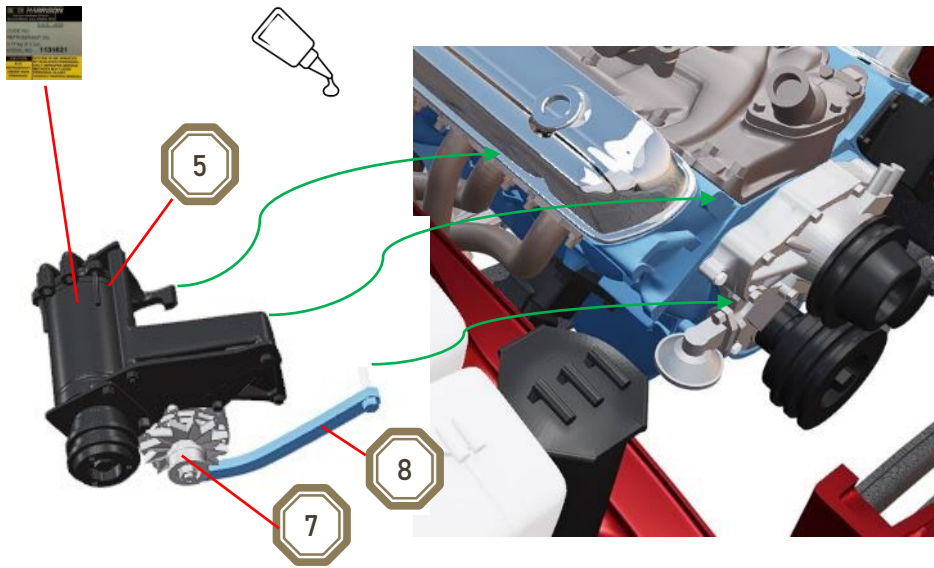
49. BRAKE MASTER, ROCKER COVERS, HEATER, HORN



50. EMISSION CONTROL CANISTER

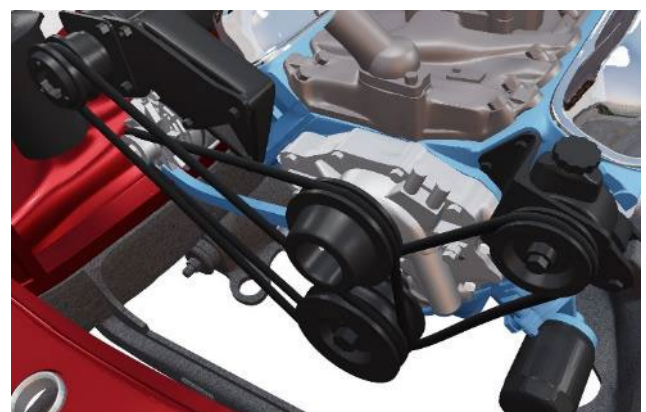


51. A/C COMPRESSOR & ALTERNATOR



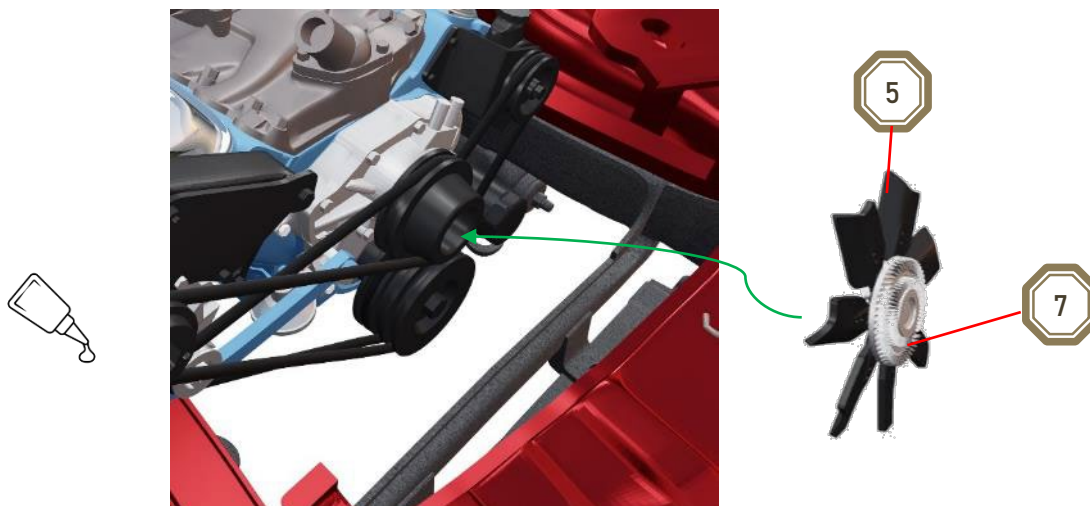
Position when installed

52. V-BELTS (OPTIONAL)



Positions when installed

53. COOLING FAN



54. A/C RADIATOR



55. RADIATOR

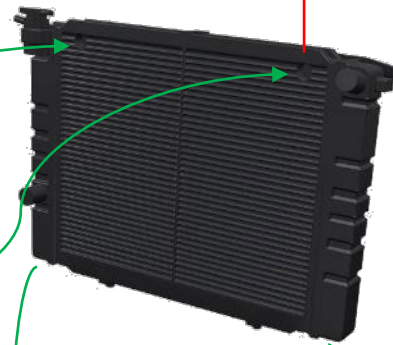


Before inserting Radiator, temporarily hang cowl over cooling fan. Once the radiator is in, glue the cowl to the radiator

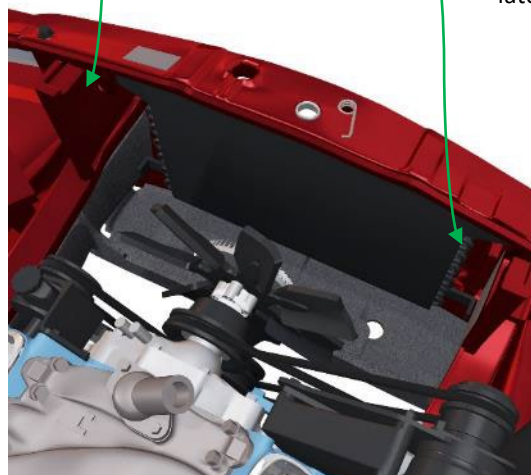
5



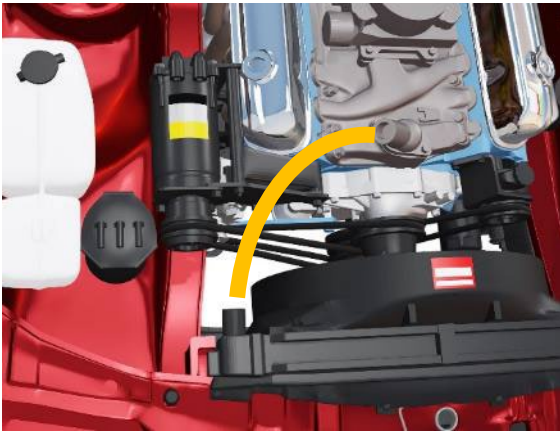
5



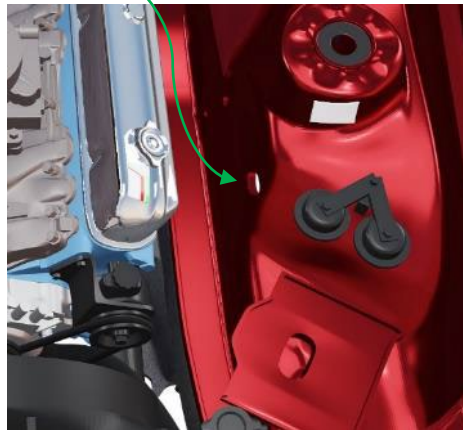
Insert Radiator into slot and slide down until the front top of the radiator is hard down to bonnet latch area of the body



56. RADIATOR. HOSES

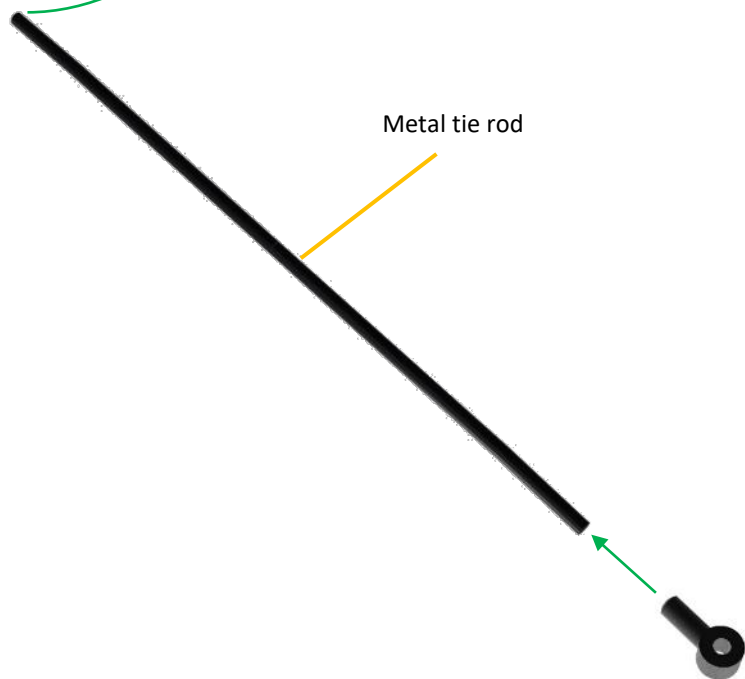
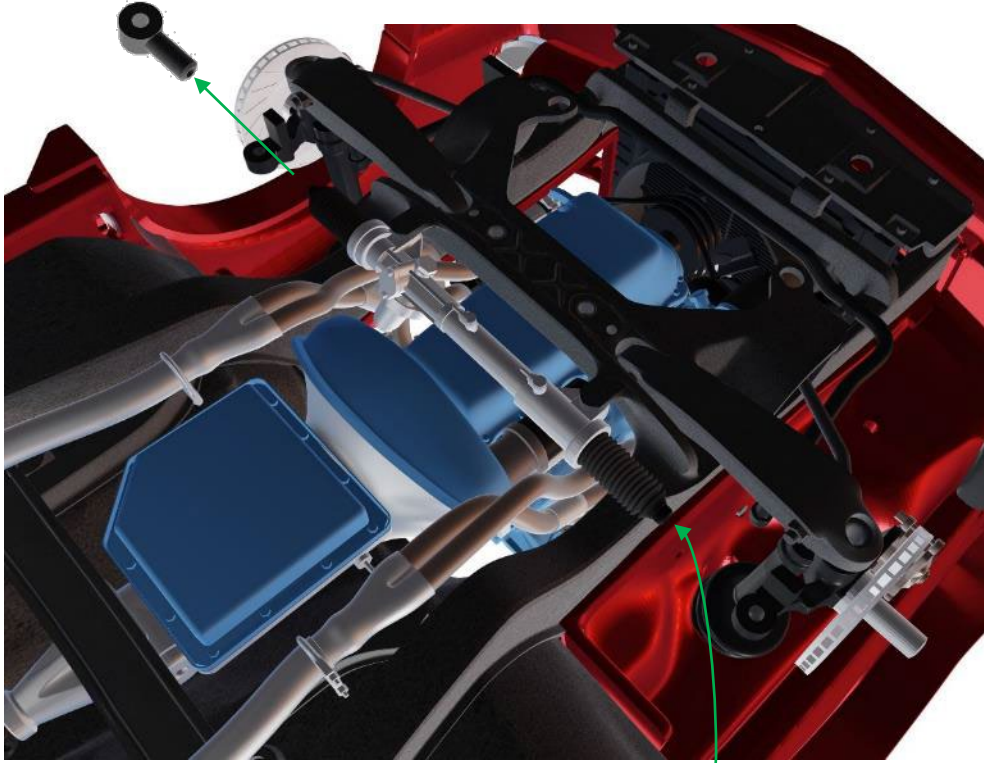


57. A/C ACCUMULATOR

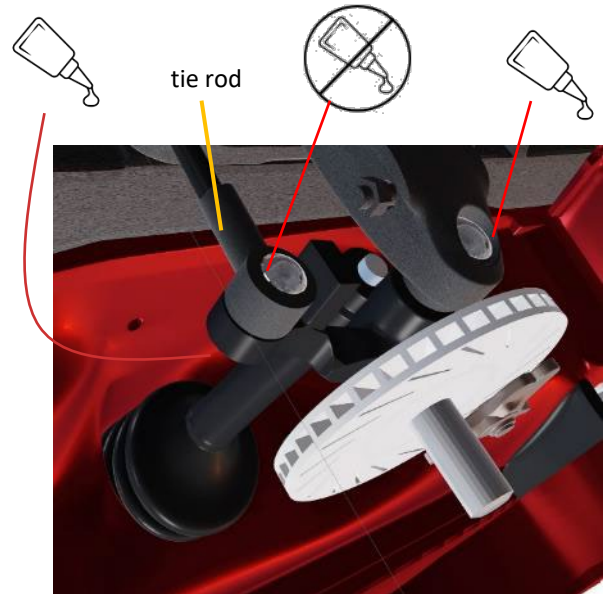
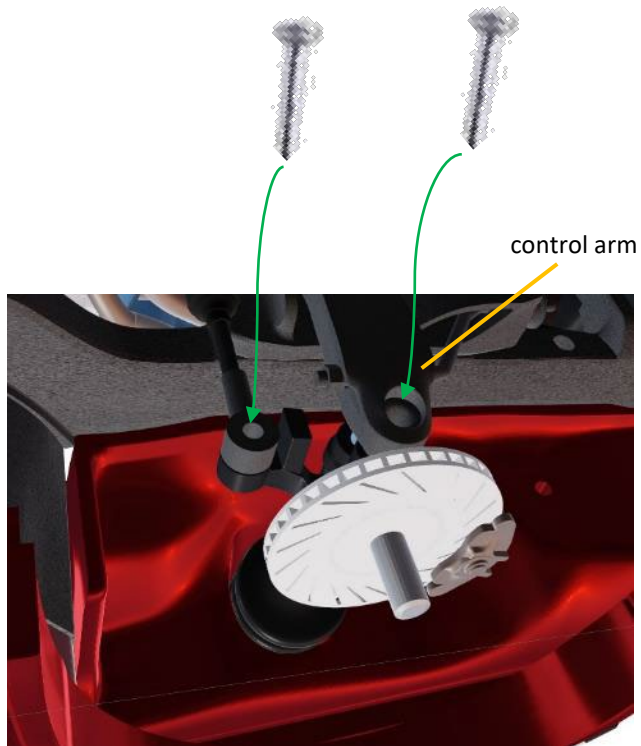


Optional: an Air-Con hose can be added here for extra detail from the Accumulator to the firewall. There is a hole in the firewall just below the heater

60. STEERING TIE ROD & TIE ROD ENDS



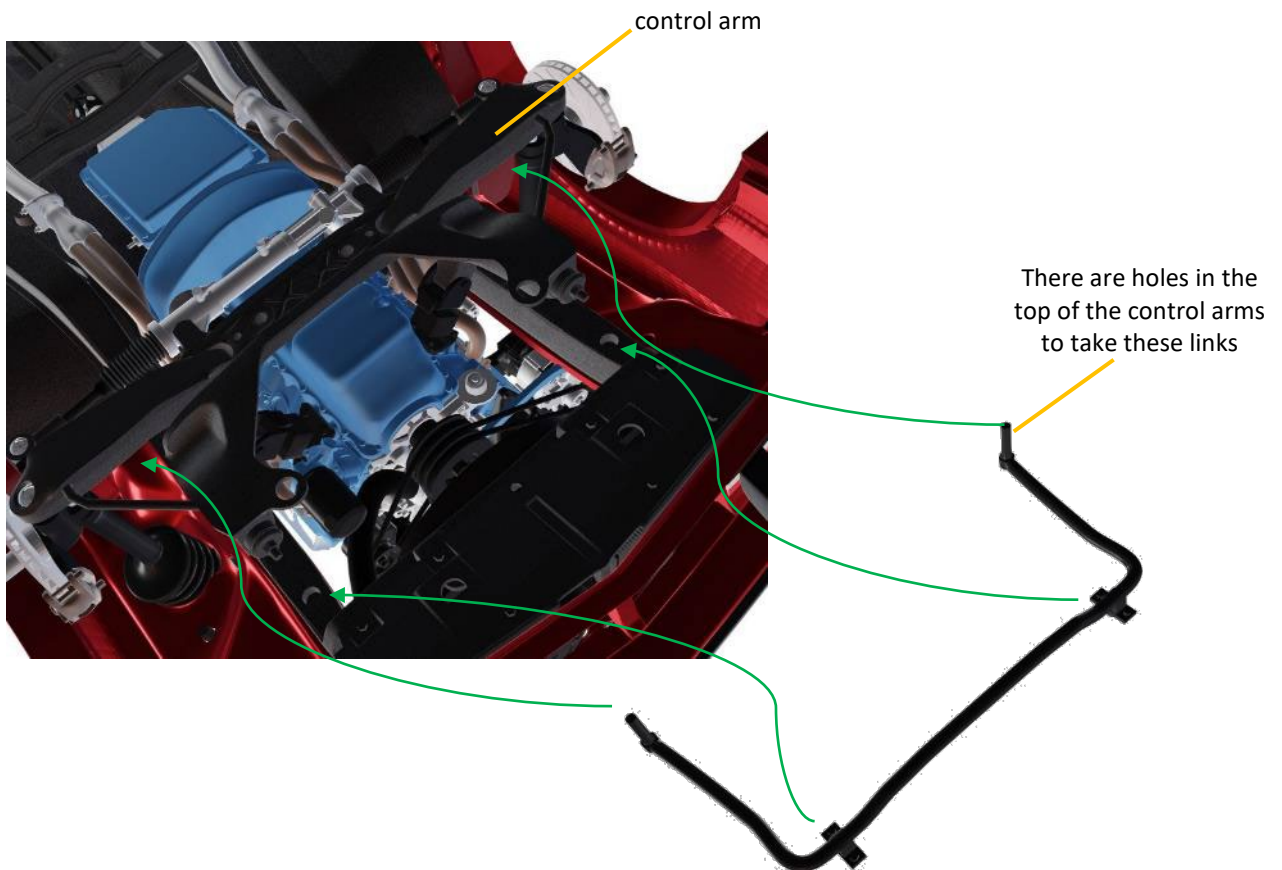
61. STEERING PINS



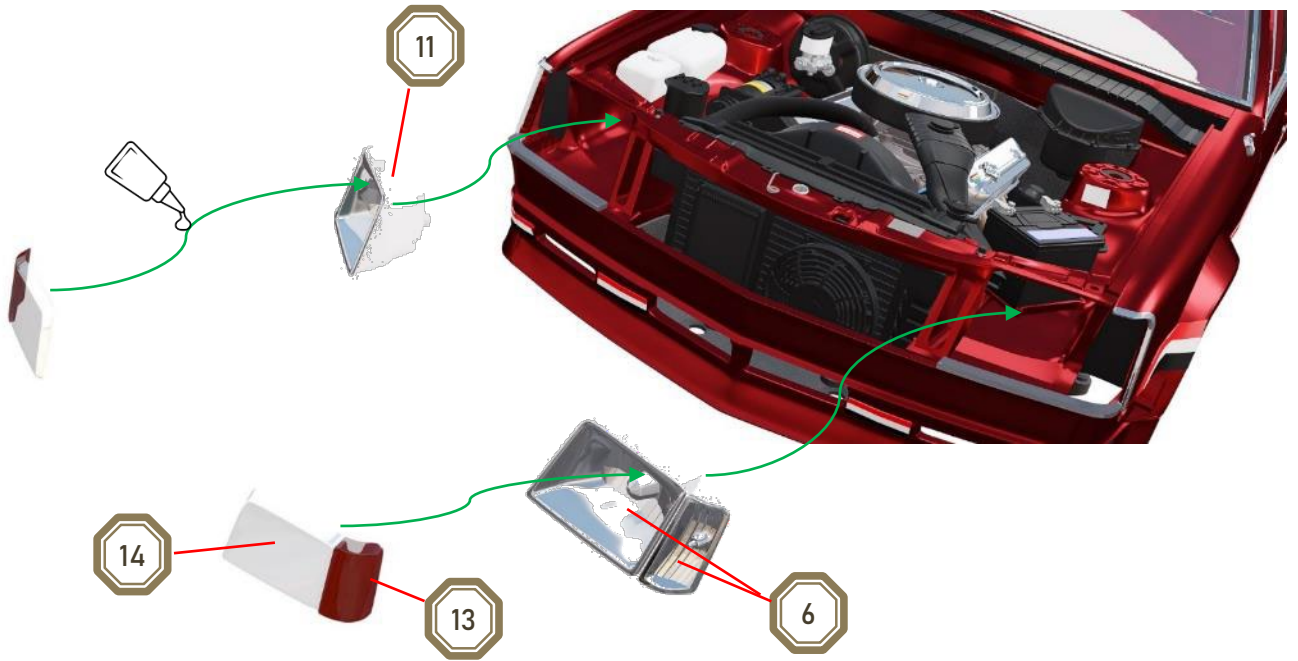
Insert steering pins and glue the head of pin to the control arm and the other pin to the tie rod end only



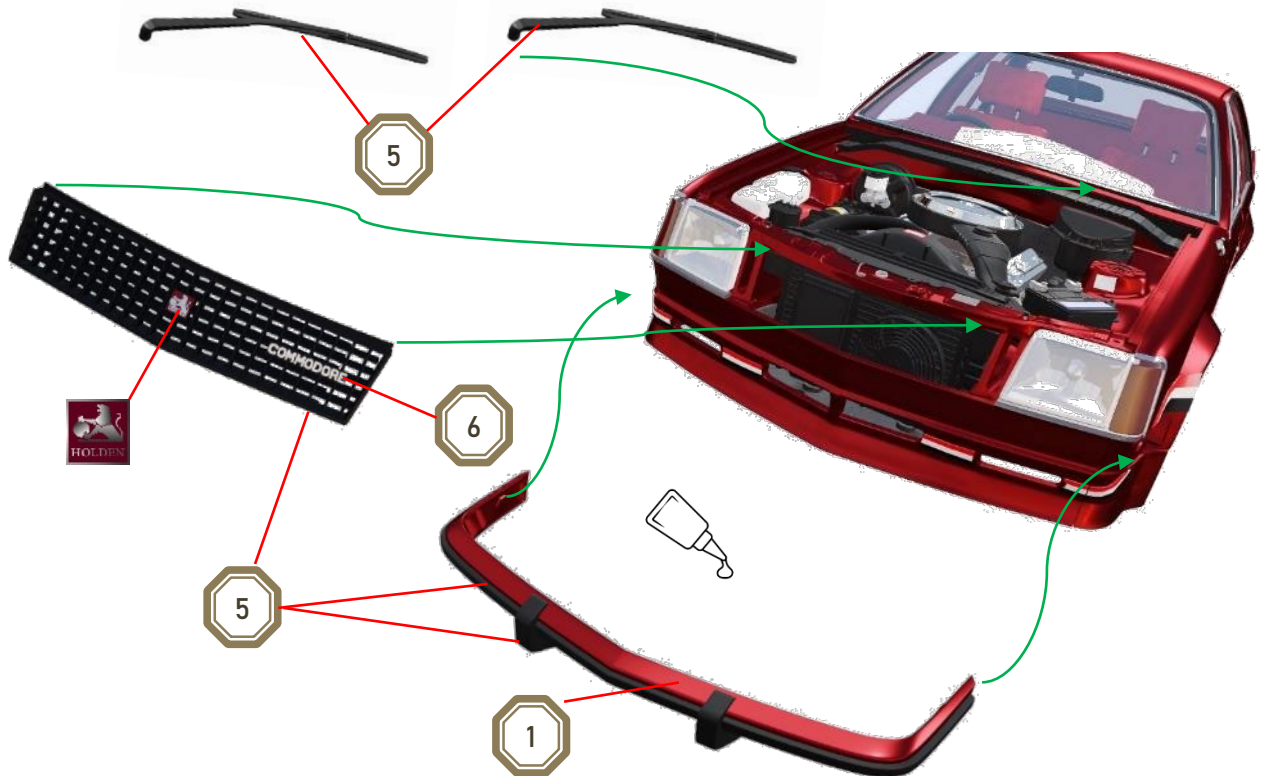
62. FRONT SWAY BAR



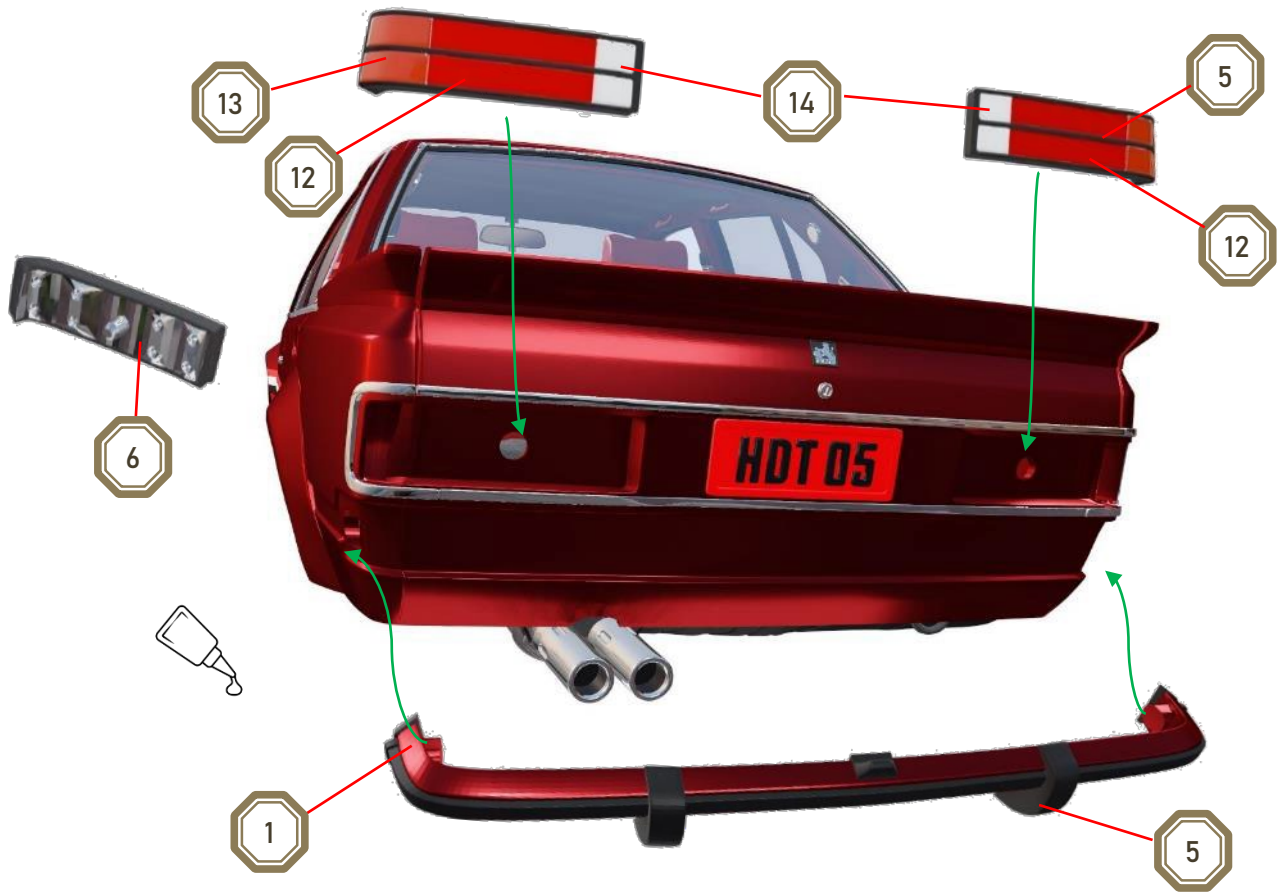
63.



64. BUMPER & GRILL & WIPERS

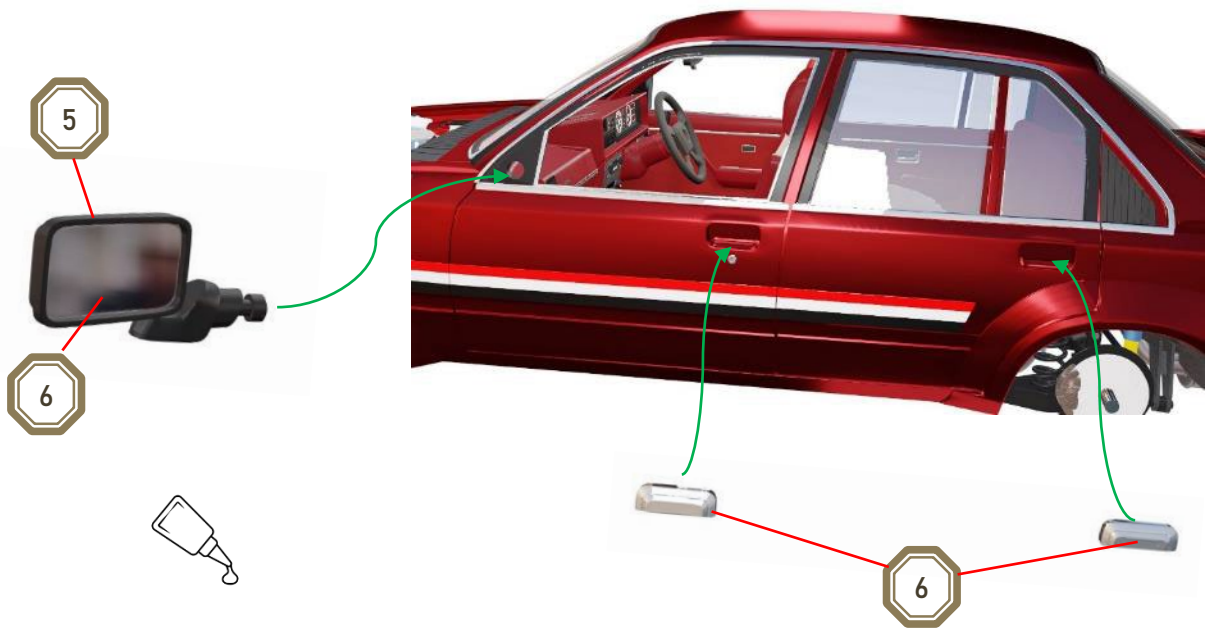


65.



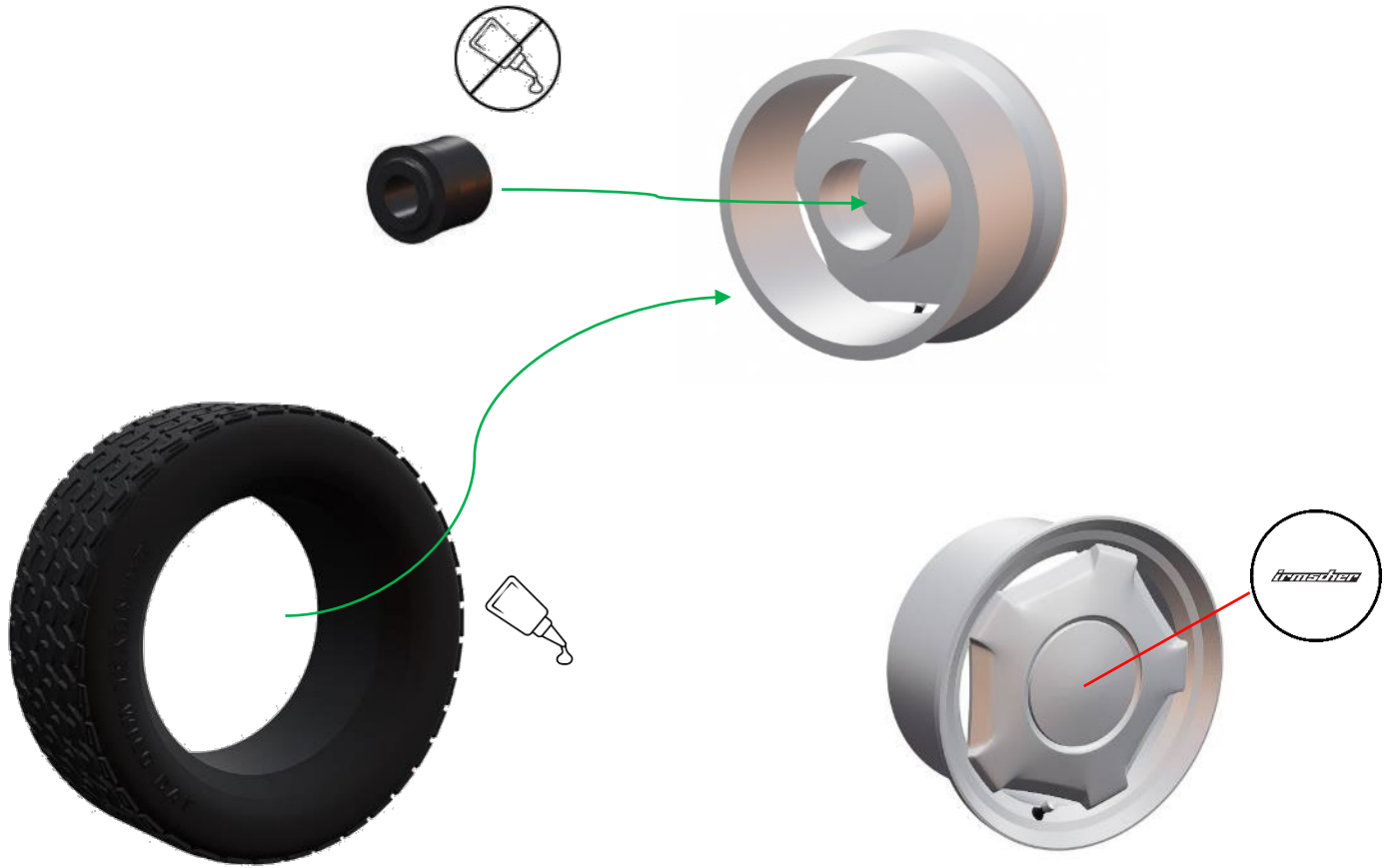
66.

both sides



67. RIMS & UNIROYAL WILDCAT TYRES

x4



Both sides



Best to use thick CA glue so glue doesn't wick in between the wheel hubs and rims



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

