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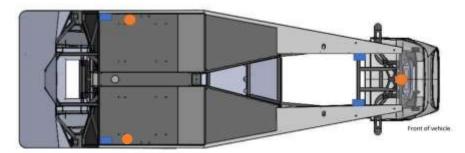






Jacking Guide-

Underside view



- Recommended jack point
- Recommended Axle stand point

Please note; when jacking or using axle stands on the floor Zero you must position the jack or stand near the edge (a to prevent floor deformation.

Fixing some tape or foam on to your jack and axle stands will sop from scratching the chassis.

... will sopemem
... stable before working under it. Failure rous. Always make sure that the vehicle is stable to do so can be extremely dangerous.

Further resources -

All the required information to assemble your Zero should be contained in this guide, but there are some additional resources available at:

isportscars.com/technicaldownloads https://www.greath

The link can be accessed by scanning this QR code.



Install Fuel Tank-

Parts:

Part Name	Part Number	Qty
Bonding agent	CON0053	1
M6 Riv nut	FAS0097	3

Tools:

Caulking gun Masking tape Clamps Rivnut Tool

Instructions -

- 1. Test fit the fuel tank to familiarise yourself with where it contacts the chassis.
- 2. Ensure that it is located centrally and mark the leads of the reak chassis bar (indicated with orange arrows) on the side of the fuel tank with a pen (shown in the second image). This will make it easier to line up when the adhesive has been applied.
- 3. Make sure the tank is free from any swarf or debris. You could vacuum via the sender port. You may like to resset out with some petrol. Make sure the outside of the tank is clean and grease free.
- 4. Fit rivnuts to the front of the fuel lank as access will be tight once fitted.



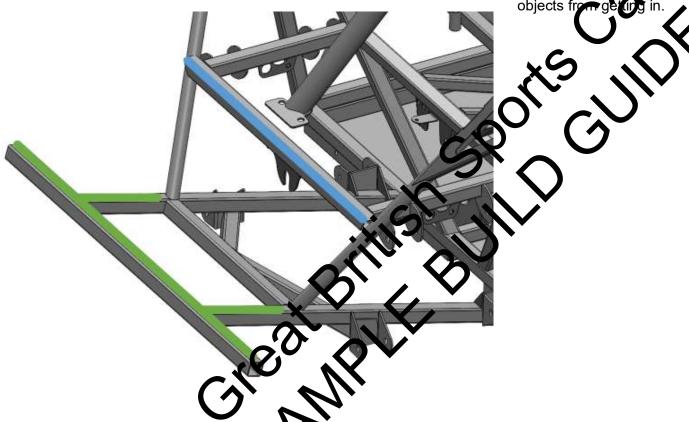


See more details on the Fuel fittings later in the guide.



- 14. Leave to cure for 24. (she ore moving.
- 15. You cannot fit the Nor neck yet, but when you do to steps in the next column should be used.

Tip: Cover fuel tank openings with masking tape to prevent any dirt / objects from getting in.



13. Next, apply a bead down the blue line. To get a neat finish it may help to run a curved tool down the sean to make a smooth fillet.



Install Fuel Lines-

For the Duratec, the fuel lines are run on the left-hand side of the tunnel. However, if you are using the Mazda/Zetec engine, with the intake on the right, you should install the fuel lines on the right-hand side instead.

Parts:

Part Name	Part Number	Qty
Brass insert		4
Red Plastic Fuel line	FUE0007	1
Black Plastic Fuel line	FUE0008	1
Grommet	ELC0073	8

Fixings:

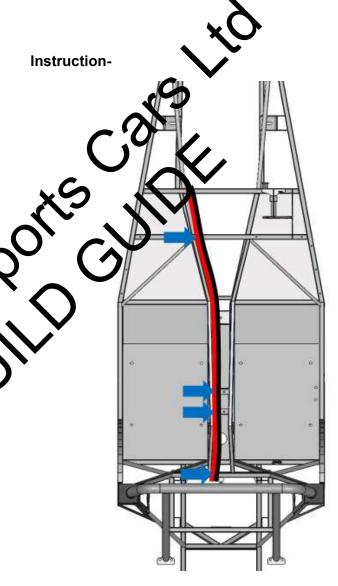
Part Name	Part Number	191
Mini Clips	FAS0264	
		_ 4

Tools:

Flat head screwdriver.

Tip: 'P' Clips are spaced at approx. 250mm on the chassis for the installation of the fuel lines. These are clipped to the backe lines.

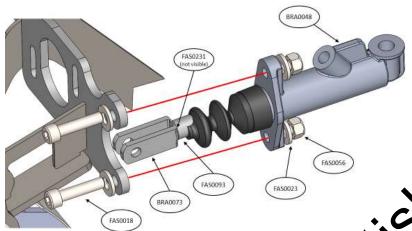
Tip: Please note the brake lines are to be fitted list, see fitment of the brake lines later in the guide.



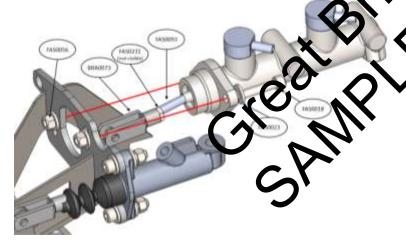
1. Install 8 grommets in the locations shown with blue arrows.



4. Attach Fork End (BRA0073) to Push rod (BRA0093) with M8 locknut (FAS0231). Install the clutch master cylinder, ensuring mating faces are clean. If push rods are not already prepared, follow instructions in the Techniques section to cut to length.



5. Repeat for brake master cylinder in the same way!



6. Install the accelerator pertanonio stud with M10 nut. Connect clevis to pedals with pins and secure in place with Mounting pins (BRA0074)



- Bend the top section of the brake pedal stop, as shown with the green arrow and dotted line, so that it nearly touches the back of the pedal lever. This is to ensure that it is not possible for the piston to pull out of the master cylinder.
- 8. Thread an M8 nut onto M8 x 30mm bolt and wind into nut welded to the chassis in the location and direction shown with the blue arrow. You will set the position in the Low-pressure fuel system

Setup section:

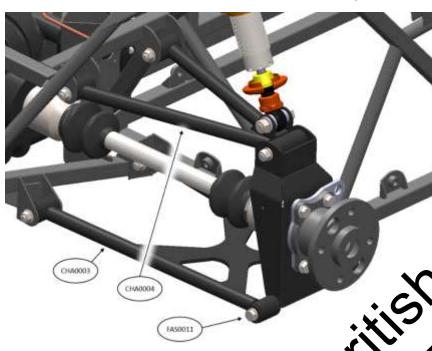
- At this stage, you may like to go back to Step 2 to and add penny washers to adjust pedal alignment if the push rods are angled significantly.
- 10. When you are happy with the alignment, torque the M10 x175mm bolt to 50Nm.

Build Guide





7. Connect rear lower wishbones to chassis and uprights.

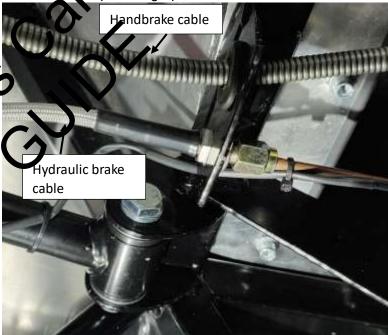


<u>Tip:</u> Once assembled it may be necessary to trin some of the threat off FAS0011 to ensure it clears the inside of the wager. Mark the position to cut, remove and wind a nut past the cutting point. Hacksaw/cut the excess off the bolt, change the edge with a ganding wheel/flapper disc then unscrew the nut. This will hap ensure that the thread is clean of any burrs.

There should be a not thou theofis do top wishbone

8. Install both rear brake disks these require no attachment to the hub as they are clamped by the wheel when it is attached.

- 9. Install rear callipers, to ruing bolts to 51-61Nm.
- 10. Install rear brake flow lines from calliper to the end of hard brake line, held in place by the tab on the chassis. The image below shows the setup looking up from underneath the car.



11. Install handbrake cable to callipers. The rubber disk on the cable has a groove in it that should be slotted into the chassis mounting point. The centre saddle should be connected to the link bar (connected to the handbrake lever) with the included pin and R-clip. There are several variations for the calliper end, but all the cables pass through a hole on the fixed part of the calliper. The inner section of the cable will then hook on to the calliper lever.



Install Steering Column -

Parts:

Part Name	Part Number	Qty
Steering Shaft	STE0016	1

Fixings:

Part Name	Part Number	Qty
M8 x 50mm cap head*	FAS0079	1
M8 x 30mm Bolt	FAS0018	1
M8 Flat washers*	FAS0029	2
M8 Nyloc*	FAS0056	1
Spacers		

^{*}These are in Kit - Part number STE0038

Tools:

Allen key – 6mm Hacksaw 13mm Spanner/Socket

Instructions:

The steering column is made up of 3 main sections—the lower coupling, the mid shaft and the upper shaft where the steering wheel attaches.

1. The best way to install these parts is to start at the bottom. First connect the lower coupling with the female triangle end to the mid section. This joint may have been alread, welded, depending on you car type.



This bottom section can then be slid onto the fine spline on the steering rack as shown in the following photo. Then tighten the nut and bolt to secure. Ensure this bolt is cut down to clear the Steering Rack Mount.





3. The upper part of the steering column already has the stalks installed so must be slid though the grommet in the firewall from the driver's side. When you have connected it to the mid shaft it can then be bolted to the mount in front of the pedal box using FAS0018.

4. The competed installation is shown in the following photos.

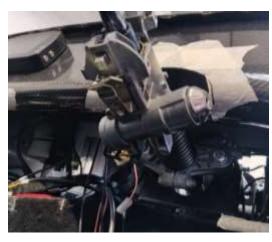
Mid shaft to upper shaft-



Upper shaft through firewall-



Upper shaft mounting-





Install Bonnet -

Parts:

Part Name	Part Number	Qty
Nose and scuttle protector tape	TRI0029	2
Bonnet finishing trim black	TRI0031	2
Bonnet Pins Black	FAS0124	6
Bonnet Catches	FAS0096	2
Bonnet		1

Tip: The bonnet is different for the standard and GT. A louvered bonnet is only available for the standard Zero.

Fixings:

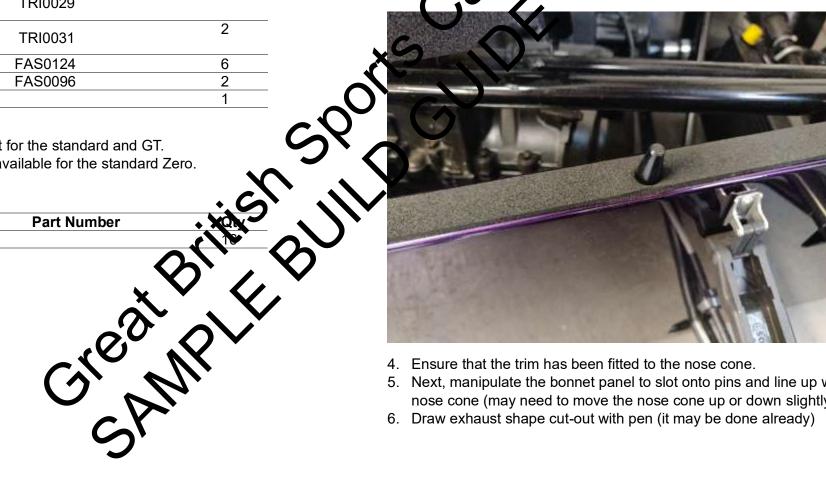
Part Name	Part Number
Rivnuts	

Tools:

Rivet gun Drill 3.2mm Drill bit Cutting disc File

Instructions:

- 1. Centre punch, drill and fit 6 rivnuts flush into top edge of engine bay, guided by the cut outs in the bodywork panel.
- 2. Screw in bornet pins to the rivnuts.
- esive foam tape, carefully punching out circles so that d the bonnet pins.



- 4. Ensure that the trim has been fitted to the nose cone.
- 5. Next, manipulate the bonnet panel to slot onto pins and line up with nose cone (may need to move the nose cone up or down slightly)
- 6. Draw exhaust shape cut-out with pen (it may be done already)



Install Lower Seat Belt harnesses, Seat Rails & Seats-

Parts:

Part Name	Part Number	Qty
Universal Seat Runners	INT0075	2
(Dual Handle) Seat Belt	INT0091	
Seats	Various options	

Fixings:

Various options		X
		Solvery
Part Number	Qty	
FAS0075	12	2\^
FAS0279	4	'
FAS0056	16	X
FAS0045	16	
FAS0248	• 18	
Credi		If you have opt replaced with r install bolt cove
	Part Number FAS0075 FAS0279 FAS0056 FAS0045	Part Number Qty FAS0075 12 FAS0279 4 FAS0056 16 FAS0045 16

Tools:

Instructions:

1. Install the sea bas – note that 7/16" bolts are used rather than metric

d holes can sometimes be quite tight because the powder them. Therefore, it is a good idea to run a 7/16th tap them out. Additionally, put a dab of grease on the alling them.



If you have opted for the IVA trim upgrade, the shoulder mounts will be replaced with machined inserts as shown. This means that you do not have to install bolt covers for the IVA.



Installing High Pressure Pump & Swirl Pot-

Parts:

Part Name	Part Number	Qty
High Pressure Fuel pipe (swirl pot to red)	FUE0601	1
High Pressure Fuel pipe (black to swirl pot)	FUE0602	1
High Pressure Fuel pipe (pump to fuel rail)	FUE0603	1
High Pressure Fuel pipe (regulator to fuel rail)	FUE0604	1
High Pressure Fuel pipe (swirl pot to regulator)	FUE0605	1
Swirl pot	FUE0017	1
High Pressure Fuel pipe (Swirl pot to pump)13mmID	FUE0606	+1 C
High pressure fuel pump	FUE0200	• * *
Mounting bracket (N/S or	FUE0062	1/0
O/S)	FUE0019	
Brass coupling		2
Fuel regulator	FUE0176	1
Pressure regulator	FUE0187	1
Fuel regulator bracket	FUE0187	

Fixings:

Part Name	Part Number	Qty
Spring clips	- C-Y	
M8 x 20mm Button head	FAS0107	1
M5 x 12mm Button head	FAS0080	4
Circlip	-	10

Tools:

8mm Spanner Allen key – 3mm, mm

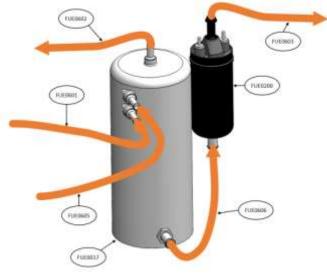
Instructions:

Check fue lines have been out to the correct lengths below:

FUE0601 - 10cm FUE0602 - 19cm FUE0603 - 98cm FUE0604 - 11cm FUE0605 - 49cm

FUE0606 - 48cm

1. Connect fuel lines to the swirl pot and high pressure pipe as shown, securing the ends with a spring clip.

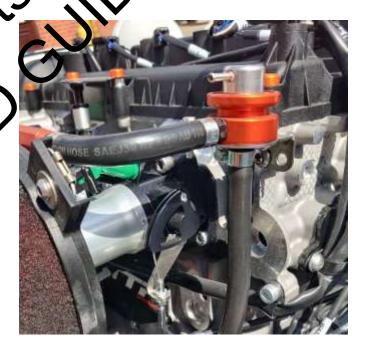




- 2. Lower assembly into position on the same side that you ran the fuel lines.
- 3. There are several different mounting options brackets, but fundamentally the swirl pot must be bolted to the chassis in front of the firewall and on the opposite side to the exhaust manifold as shown in the following image.
- 6. Connect FUE0602 to black plastic fuel line that you ran already using a brass coupling and spring clip.
 - 7. Connect FUE0603 from the output of the high pressure pump to the fuel rail. Then connect the other end of the fuel rail to the pressure regulater using FUE0604 as shown in the next photo. Finally, the lover port of the pressure regulator can be connected with FUE0605 to the swill pot.
 - 8. Secure the completed lines with p-clips.



- 4. Mount the high pressure pump using the mounting bracket and jubilee clip.
- 5. Next, connect FUE0601 to the red plastic full line that you have fitted already using a brass coupling and spring clip.





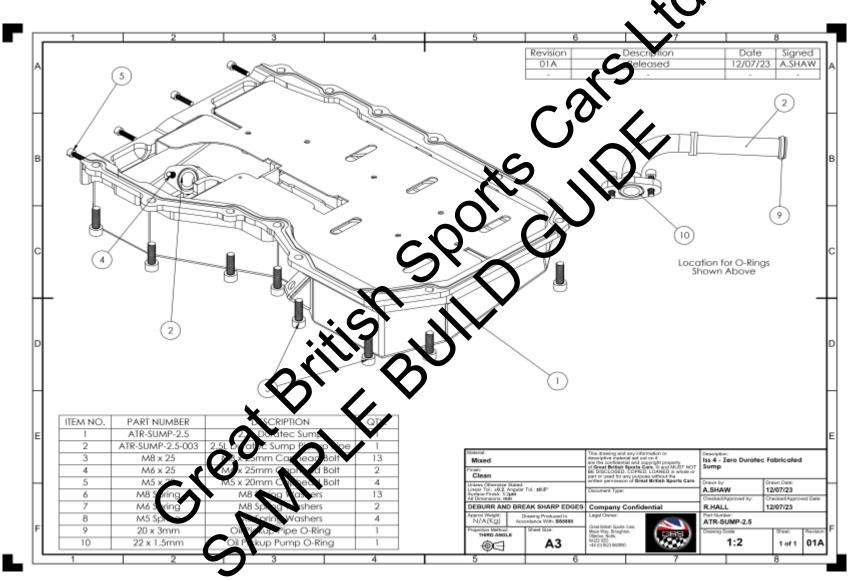
Duratec Sump Fitting Guide: GDE0001 2.5 Duratec Sump / Part Number: ENG0734

What's Included:

2.5 Duratec Sump Unit









Blanking Plates:

1. Clean contact surfaces, apply a thin line of RTV and bolt crankcase breather plate as shown to side of engine using 8x M6 bolts and washers.









Fit Clutch & Flywheel -

Fitting the spigot bearing and clutch is one of the most important stages of preparing the engine to be mounted in the car.

Please note: This instruction set is for the 2.0 Zetec engine. Torque settings for the 2.5 Duratec engine will differ.

Parts:

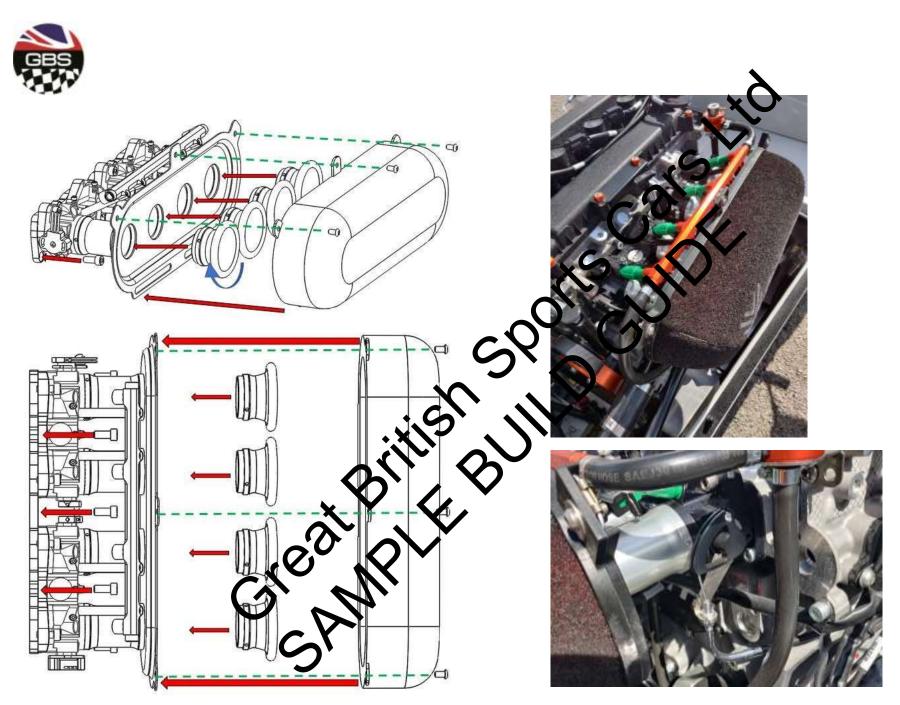
Part Name	Part Number	Qty
Spigot bearing	TRA0005	1
Fly Wheel	TRA0171	1
Fly wheel bolts	TRA0157	6
Clutch cover	TRA0172	1
Clutch plate	TRA0173	1

Instructions:

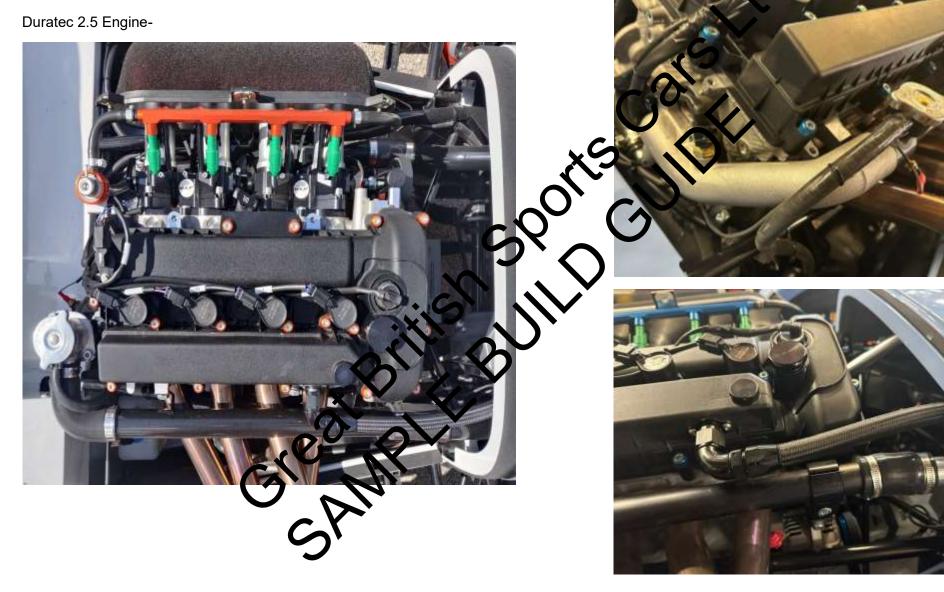
- 1. Press the spigot bearing into the crank case so that the sil seal lip is on the outside. We recommend applying some extra great to the
- 2. bearing if it is not packed fully. Use a large socket the sits on the outer bearing race to avoid applying to ce across the ball bearings. If you do not have a press, gently tap in using the socket. Check regularly to make sure that the bearing is shinks in straight.
- 3. Slide flywheel onto the end of the granks aft.
- 4. Bolt flywheel to crank using 6x TRA0157 bolts. Apply nut locker to each thread and then torque.



Spigot bearing fitted.









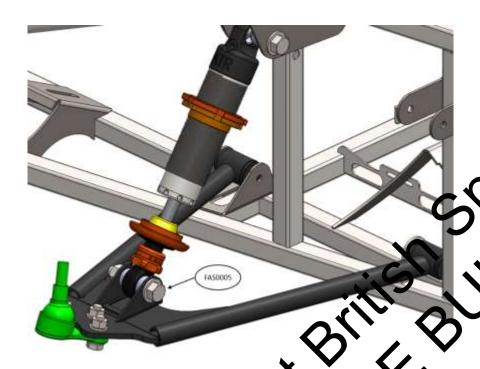


- 4. Next, wipe off any grease from the lower cultivour have removed. Sand the sperical surface lightly with wet and dry paper, making sure to rotate the part so that you remove material evenly. Be cautious about how much you remove as you can't add material back again.
- 5. Reapply some grease and rent. Move the strifter around to distribute grease. If it is still too stiff, repeat the process.





4. Connect to damper to lower wishbone with FAS0005 and two spacers provided in the kit.



 Install front wing bracket to front up told and bolt assembly to lower wishbone ball joint. Align wing bracket perpendicular to the wheel axle and press into place.



6. Connect top ball joint to upper wishbone and lock with nut.





Zero Build Guide.

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