

THE ENGINE & INTERIOR

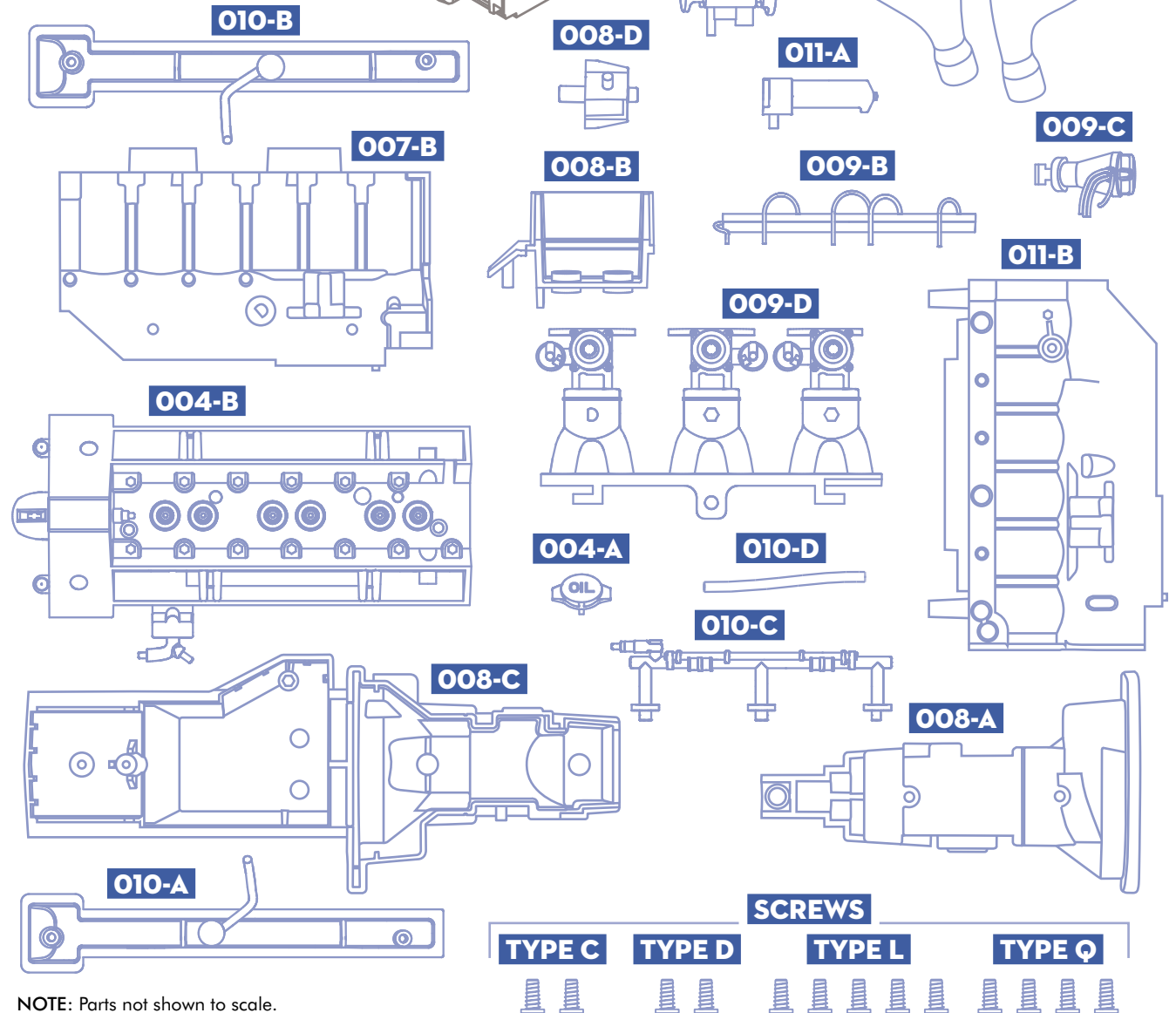
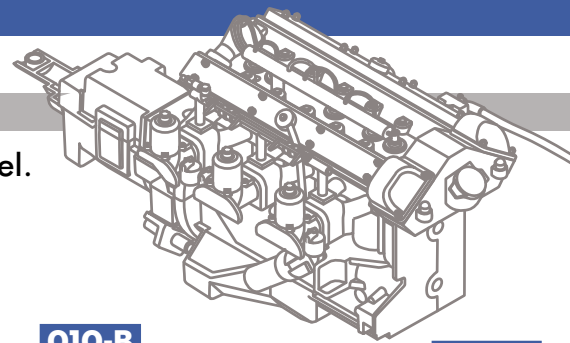
ENGINE

Constructing the **ENGINE** of your Aston Martin DB5 model.

The engine of the Aston Martin DB5 is very detailed but doesn't take long to construct as long as these simple instructions are followed. The instructions are broken down into smaller sections.

THE PARTS YOU WILL NEED:

- 004-A** : Oil cap
- 004-B** : Cylinder top
- 007-B** : Left engine block
- 008-A** : Gearbox/sump section 1
- 008-B** : Engine bracing piece
- 008-C** : Gearbox/sump section 2
- 008-D** : Clutch slave cylinder
- 008-E** : Starter motor
- 009-A** : Exhaust manifold
- 009-B** : Ignition lead holder and leads
- 009-C** : Distributor head and leads
- 009-D** : Carburettor assembly
- 010-A** : Right camshaft cover and breather cap assembly
- 010-B** : Left camshaft cover and left breather cap assembly
- 010-C** : Cross-shaft assembly
- 010-D** : Radiator hose
- 011-A** : Oil filter assembly
- 011-B** : Right engine block
- SCREWS** : Type C (x2), D (x2), L (x5), Q (x4)



NOTE: Parts not shown to scale.

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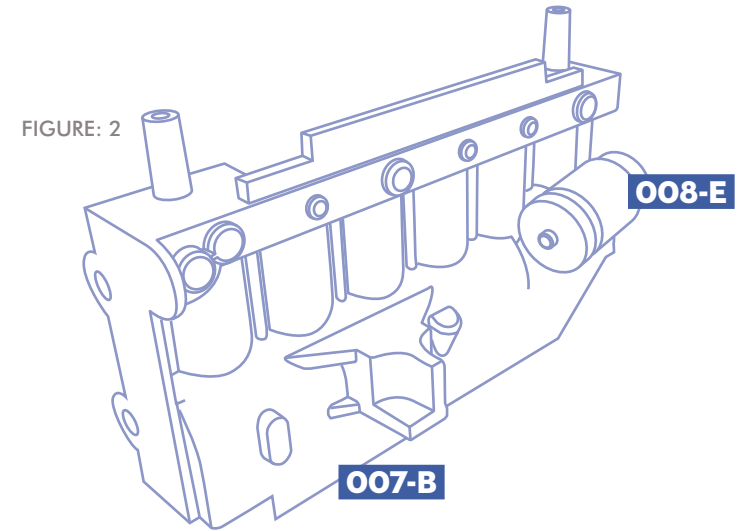
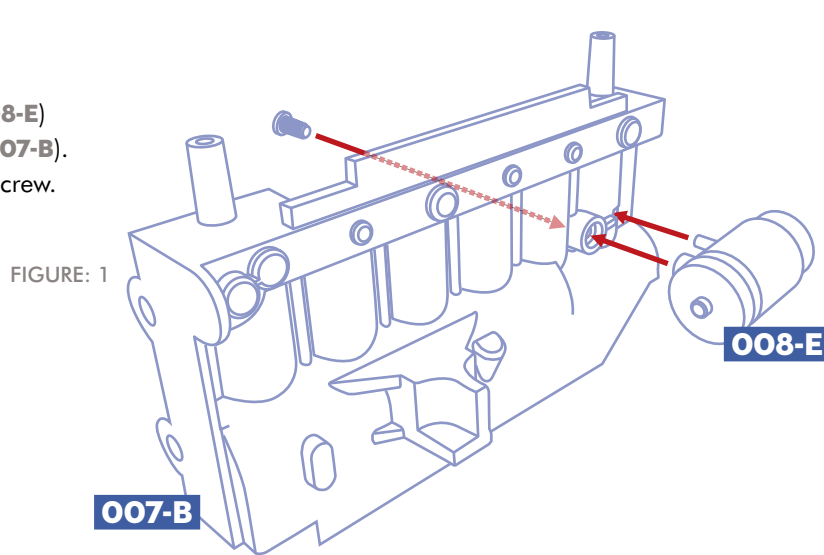
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STEP 1

LEFT ENGINE BLOCK

PARTS: 007-B, 008-E

Clip the starter motor (**008-E**) to the left engine block (**007-B**). Fasten it with one Type L screw.



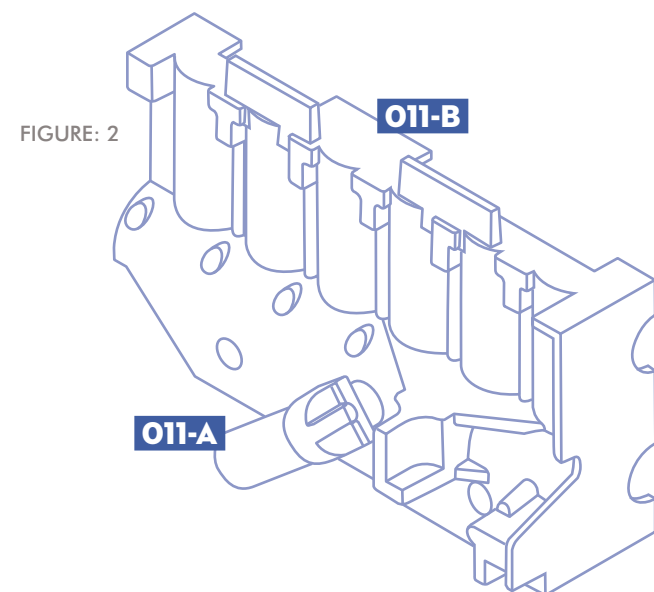
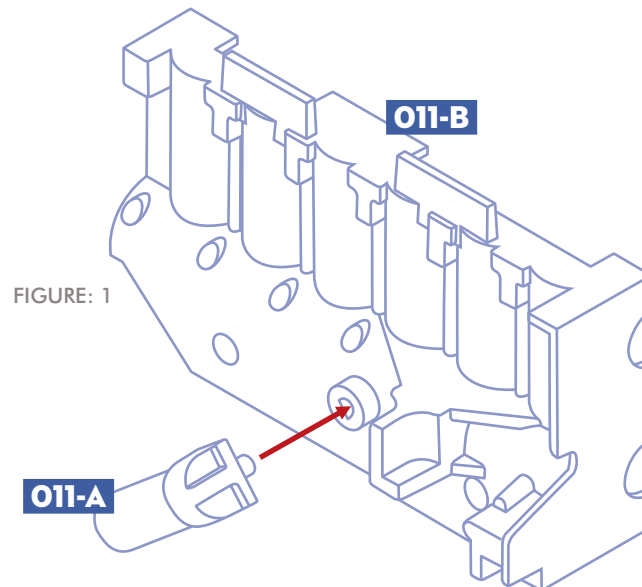
Put this section to one side for the moment.

STEP 2

RIGHT ENGINE BLOCK

PARTS: 011-A, 011-B

Clip the oil filter assembly (**011-A**) firmly to the right engine block (**011-B**). The assembly has a specially shaped peg that fits into the engine block in only one way.



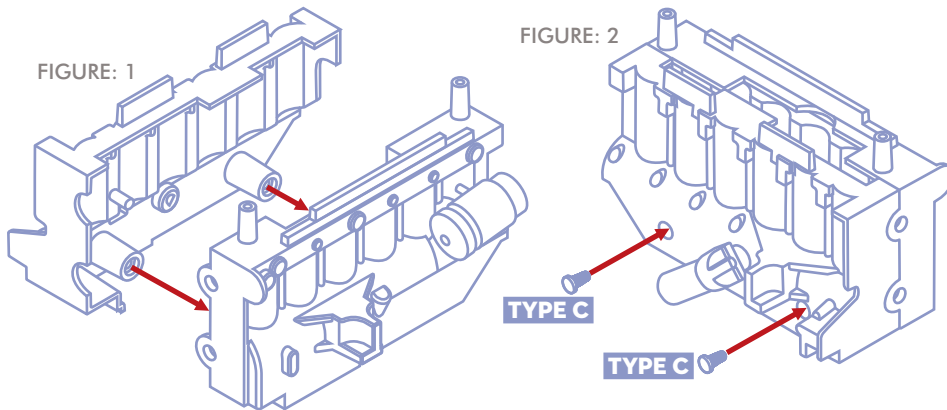
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STEP 3

PARTS: LEFT & RIGHT ENGINE BLOCKS

Clip the assembled engine blocks together. From the right side of the engine block (the side with the oil filter assembly), use two Type C screws to join the blocks.



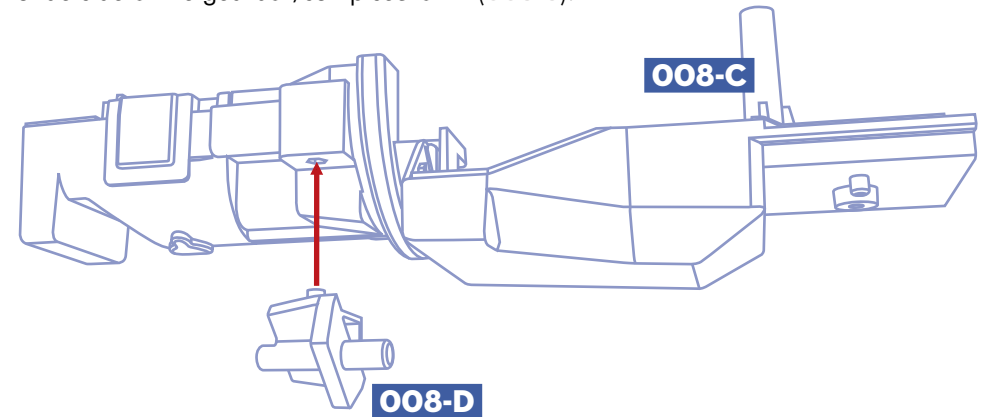
Put this section to one side for a moment.

STEP 4

GEARBOX/SUMP SECTION

PARTS: 008-C, 008-D

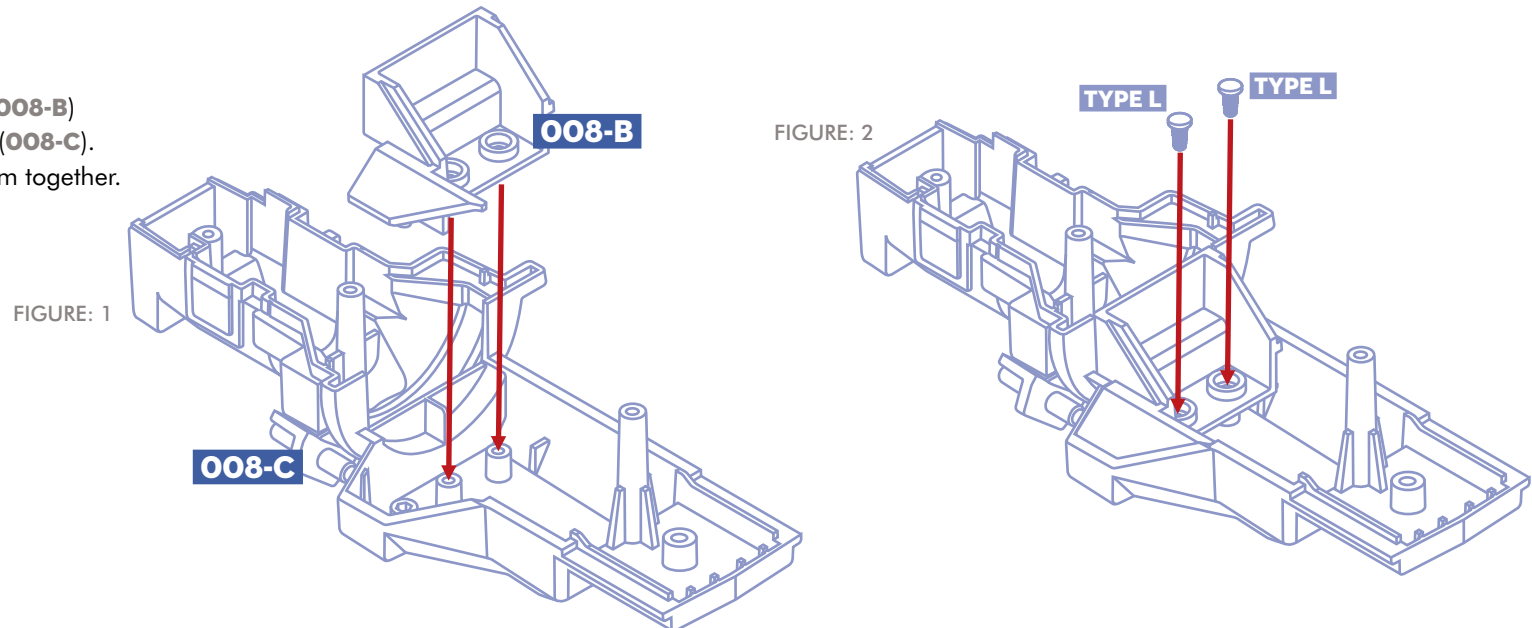
Clip the clutch slave cylinder (008-D) to the underside of the gearbox/sump section 2 (008-C).



STEP 5

PART: 008-B, 008-C

Clip the engine bracing piece (008-B) to the gearbox/sump section 2 (008-C). Use two Type L screws to fix them together.



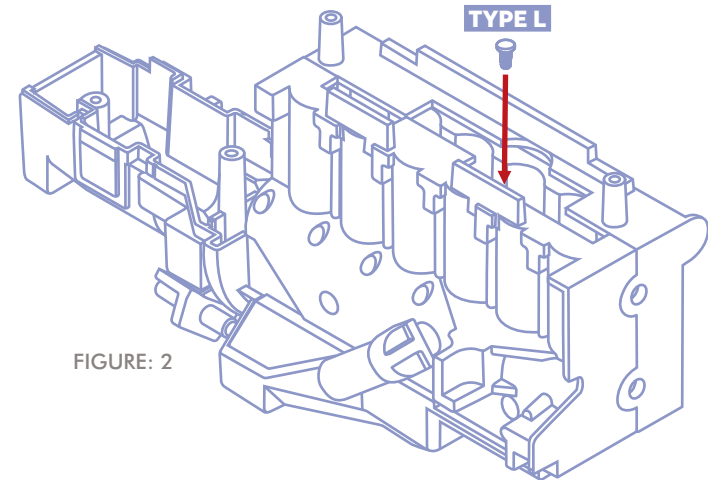
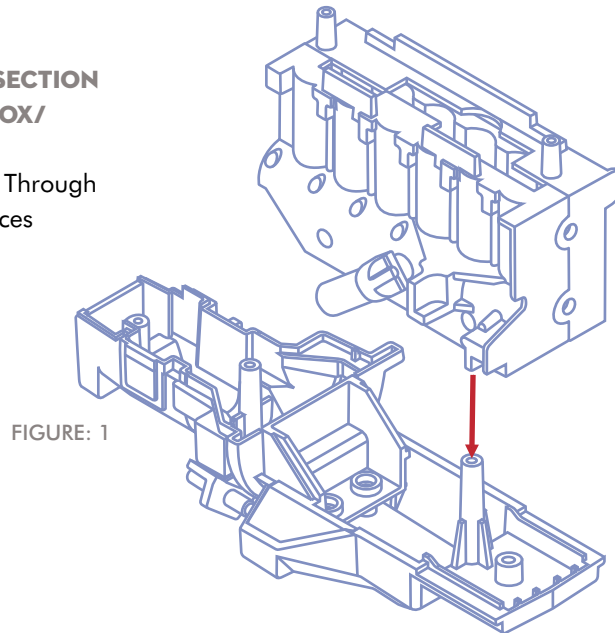
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STEP 6

PARTS: ASSEMBLED ENGINE BLOCK SECTION (STEPS 1-3) AND ASSEMBLED GEARBOX/SUMP SECTION (STEPS 4-5)

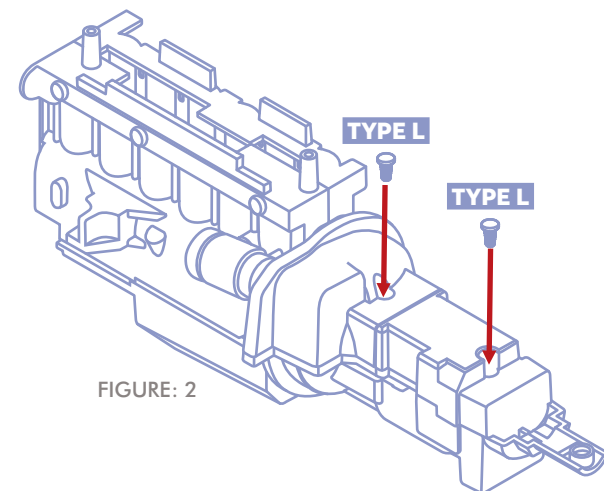
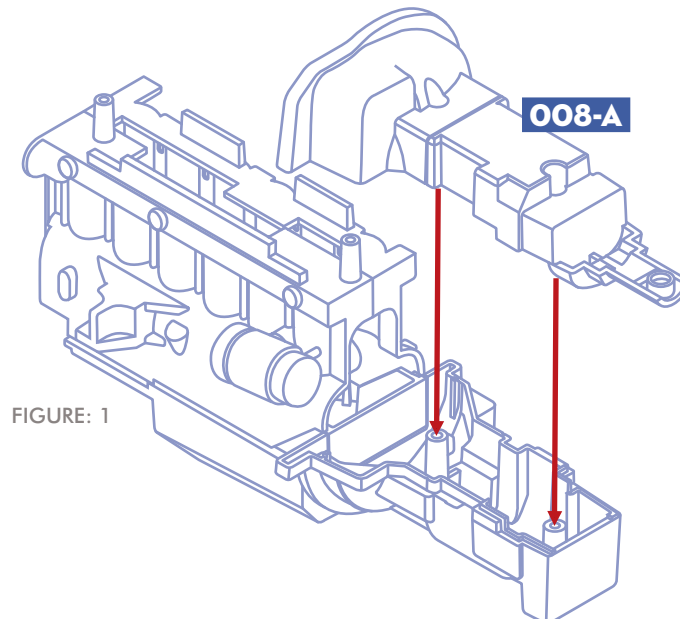
Clip these assembled sections together. Through the top of the engine block, join the pieces together with a single Type L screw.



STEP 7

PARTS: ASSEMBLED PARTS, 008-A

Clip the top part of the gearbox/sump section 1 (**008-A**) to the assembled parts as shown. Once in place, use two Type L screws to join them together through the top of the gearbox/sump section 1.



Put the assembled pieces to one side for the moment.

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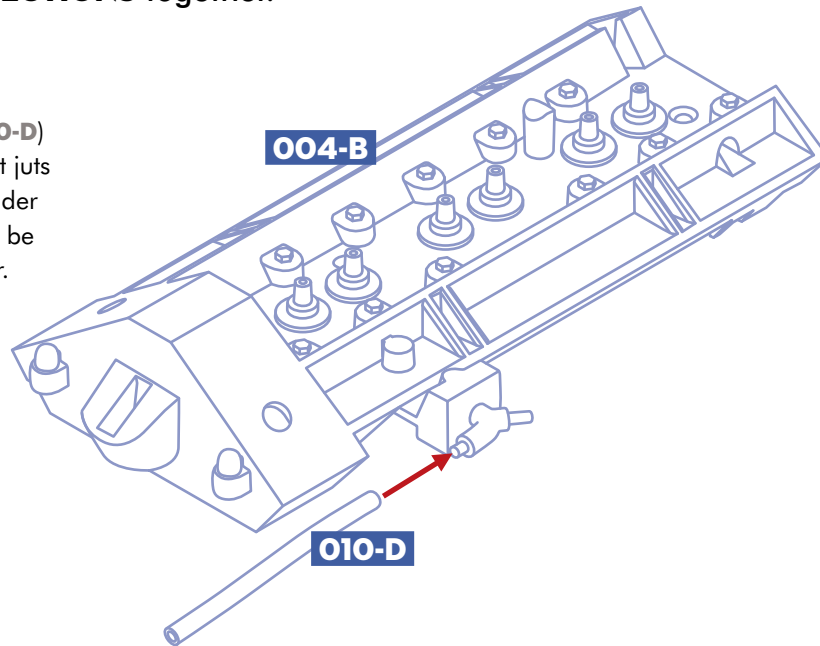
ENGINE

Joining the **ENGINE SECTIONS** together.

STEP 8

PARTS: 004-B, 010-D

Attach the radiator hose (**010-D**) to the thermostat control that juts out from the side of the cylinder head (**004-B**). The hose will be attached to the radiator later.



STEP 9

PART: 004-A

Clip the oil cap (**004-A**) to the front of the cylinder head.

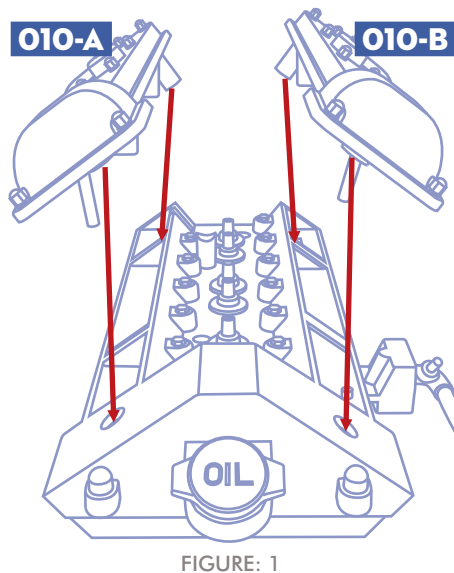
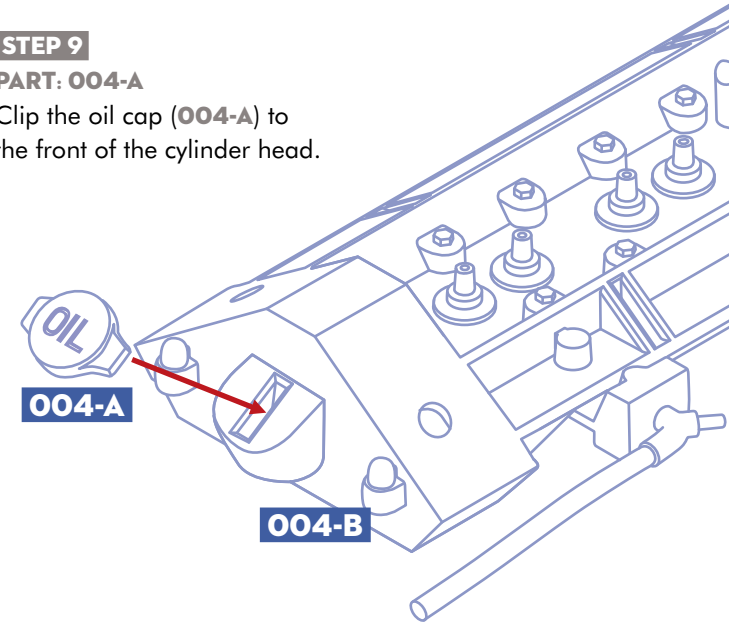


FIGURE: 1

STEP 10

PARTS: 010-A, 010-B

Clip the camshaft cover/breather cap assemblies (**010-A, 010-B**) to either side of the cylinder head. The assemblies are fixed underneath the cylinder head using four Type Q screws.

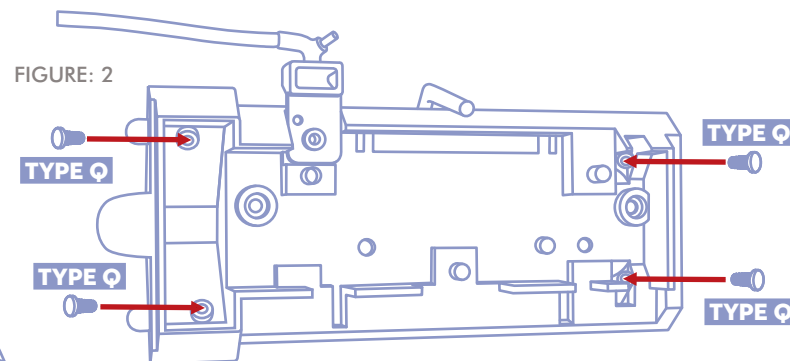
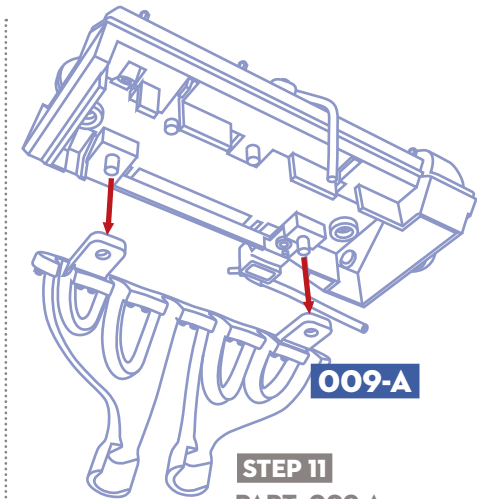


FIGURE: 2



STEP 11

PART: 009-A

Clip the exhaust manifold (**009-A**) to underneath the cylinder head. Put the pieces to one side.

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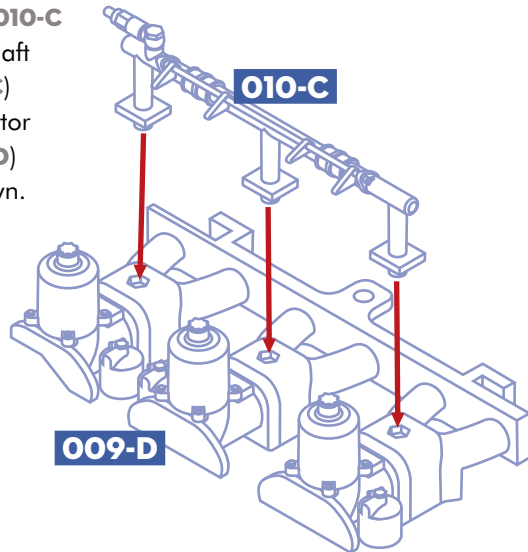
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Joining the **ENGINE SECTIONS** together.

STEP 12

PARTS: 009-D, 010-C

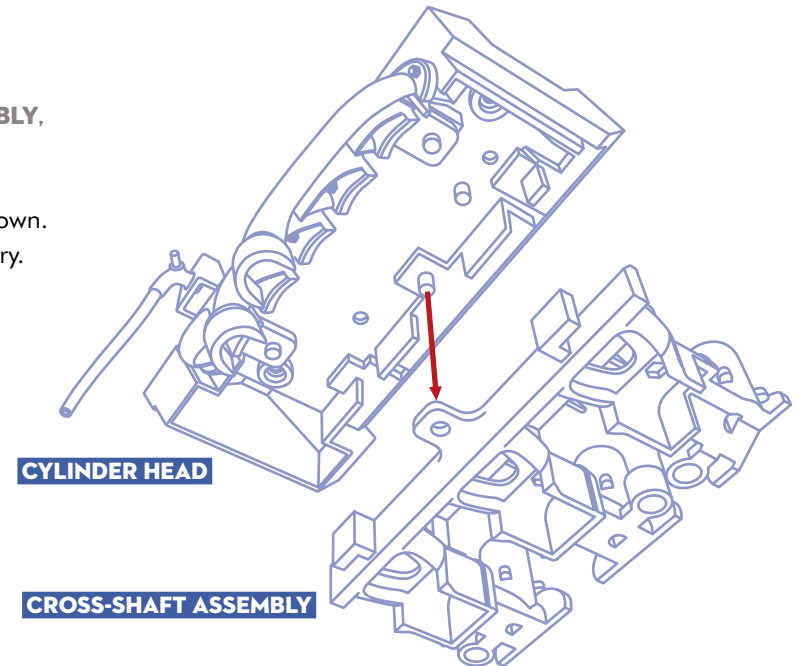
Clip the cross-shaft assembly (010-C) and the carburettor assembly (009-D) together as shown.



STEP 13

PARTS: CROSS-SHAFT ASSEMBLY, CYLINDER HEAD SECTION

Clip the cross-shaft assembly to the cylinder head section, as shown. If this is slightly loose, don't worry. In a moment it will be joined to the engine block.

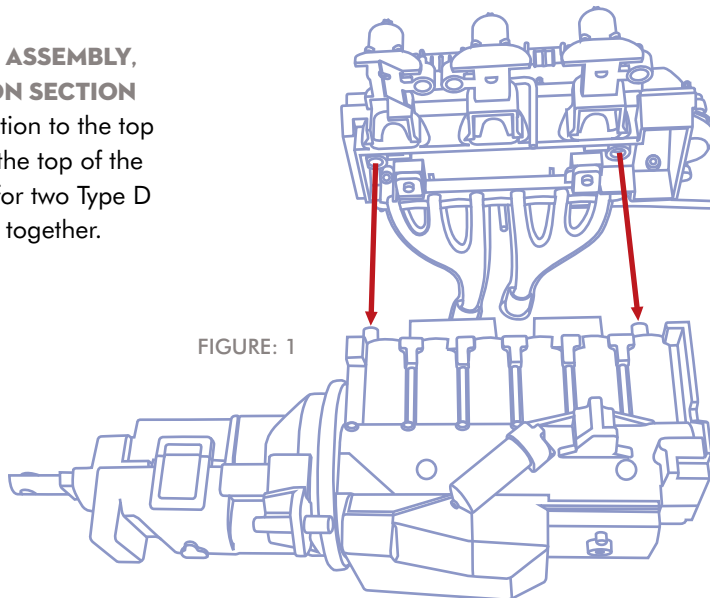


STEP 14

PARTS: CYLINDER HEAD ASSEMBLY, ENGINE & TRANSMISSION SECTION

Clip the cylinder head section to the top of the engine blocks. On the top of the cylinder head are places for two Type D screws to join the sections together.

FIGURE: 1



TYPE D

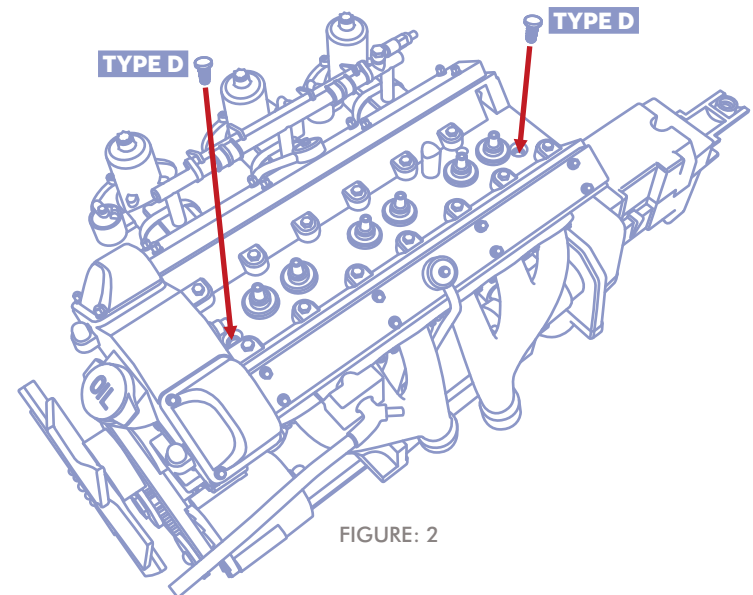


FIGURE: 2

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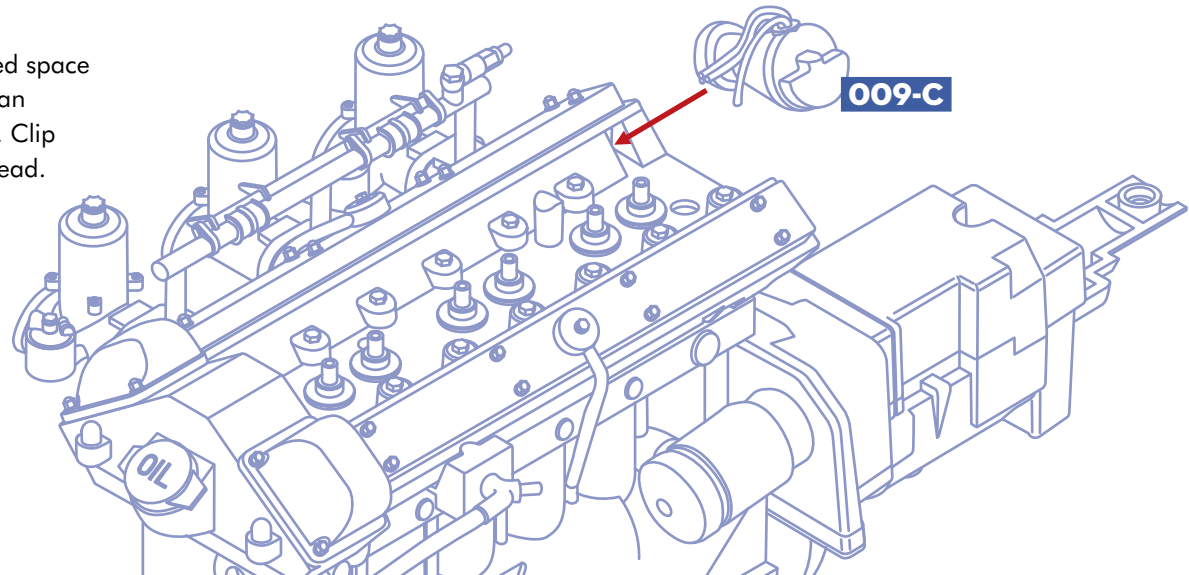
ENGINE

Joining the **ENGINE SECTIONS** together.

STEP 15

PART: 009-C

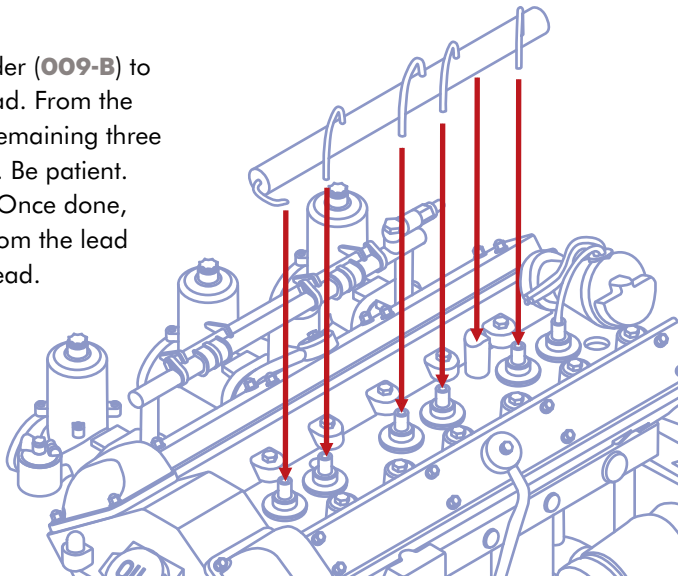
Firmly fit the distributor cap (**009-C**) into the specially fitted space in the right camshaft cover/breather cap assembly. This can be found towards the rear of the top of the cylinder head. Clip one of the leads from the distributor cap to the cylinder head.



STEP 16

PART: 009-B

Clip the ignition lead holder (**009-B**) to the top of the cylinder head. From the distributor cap, feed the remaining three leads into the lead holder. Be patient. This can be a little fiddly. Once done, fit the three loose leads from the lead holder into the cylinder head.



STEP 17

You have now completed the engine. Next comes the engine fan belt section and the engine bulkhead.

