

CDX Remove camshaft

Objective:

Remove the camshaft and lifters.

This activity sheet contains:

- Step-by-step instructions for completing the workshop procedure.

Personal safety:

Whenever you perform a task in the workshop you must use personal protective clothing and equipment that is appropriate for the task and which conforms to your local safety regulations and policies. Among other items, this may include:

- Work clothing - such as coveralls and steel-capped footwear.
- Eye protection - such as safety glasses and face masks.
- Ear protection - such as earmuffs and earplugs.
- Hand protection – such as rubber gloves and barrier cream.
- Respiratory equipment – such as face masks and valved respirators.

If you are not certain what is appropriate or required, ask your supervisor.

Safety check:

- Make sure that you understand and observe all legislative and personal safety procedures when carrying out the following tasks. If you are unsure of what these are, ask your supervisor.

Points to note:

- Make sure all the lifters are pushed out of the way of the camshaft before attempting removal.

1. Remove the camshaft



Before removing the camshaft, make sure that the lifters are all pushed out of the way of the camshaft. With the block inverted, gravity should help keep them there.



Reach your hand in the rear of the block and guide the cam out very gently. If the camshaft bearings might be reusable, make sure that the camshaft causes no damage to them as it is passed through.

2. Remove the lifters



Once the camshaft is out, remove any lifters that were previously stuck in place. The camshaft and lifters will nearly always need to be replaced in an engine rebuild,



but if you think the crankshaft from this engine might be reusable, wrap it in some thin cardboard or slide it into a tube to keep it clean until you can get some evaluation advice from a specialist.