

## **Exhaust and manifold leak finder**

This task should take less than ½ hour.

Exhaust leaks can sometimes be elusive. The problem is that the sound of the engine and exhaust makes it very difficult to focus in on the leak using ears alone. Detecting leaks by feel can be equally difficult as exhaust systems are hot and the leak is bound to be in an inaccessible place.

A simple way to find these leaks is to create a reverse air flow with the engine shut down. The exhaust will be cold thus making it safer to handle and with the engine off it is far easier to hear where the air is leaking from.

This simple method requires a bung with a hole to be forced into the tail pipe. It is wise to seal the edges of the bung with rubber tape to prevent leaks occurring there. Attach a pipe between the hole in the bung and a compressor. If you haven't got a compressor you'll have to find a friend and ask him to blow down your pipe. I'm sure once you explain things your friend will understand! It is then a simple case of listening for the leak. Once you have found the general area you can use a 20/80 mix of washing up liquid and water to dab the area using a paintbrush. Your leak will be exposed by the telltale sign of bubbles.