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How To..... Remove/Replace the EGR Valve (X18XE1)

Astra-Sport Disclaimer - Please note that this is a guide only and Astra-Sport take NO responsibility for any damaged caused to yourself or vehicle whilst using this guide. If you are unsure how to do something leave it to the professionals. Your Insurance and warranty might be invalidated if this modification is done.

This 'How To' describes the method to remove/replace the EGR from the X18XE1 engine –the process is similar for other engines fitted with an EGR, but the actual location and tools needed may vary accordingly.

Tools Needed

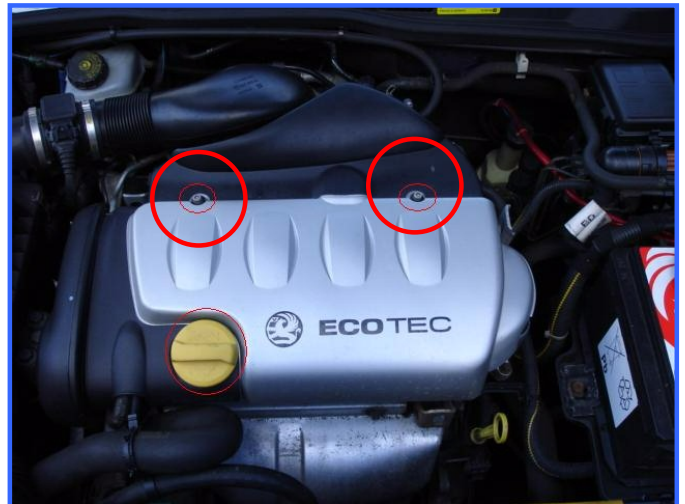
Torx Bit T30
Torx Socket E12
And required drivers/Ratchets
Cups of tea if it's as cold as it is now!!!

Step 1

Open bonnet and remove the two small Torx bolts at the top of the engine cover (T30) and then remove the oil filler cap. Also remove the positive lead on the battery to prevent any accidents from occurring.

Remove the engine cover by lifting it from the back

NOTE : Remove the keys from the ignition and DO NOT replace until the work is complete



Step 2

You can now see the EGR valve in the above picture, on the left, (FYI the long plastic type object across the engine rocker cover is the coilpack.)

Remove the wiring harness plug on top of the EGR valve – it simply unclips.

Thanks to pardoe 16v for the How To



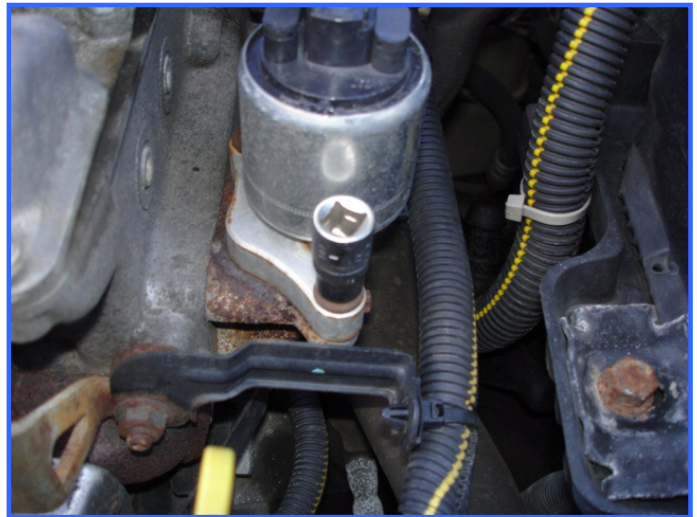
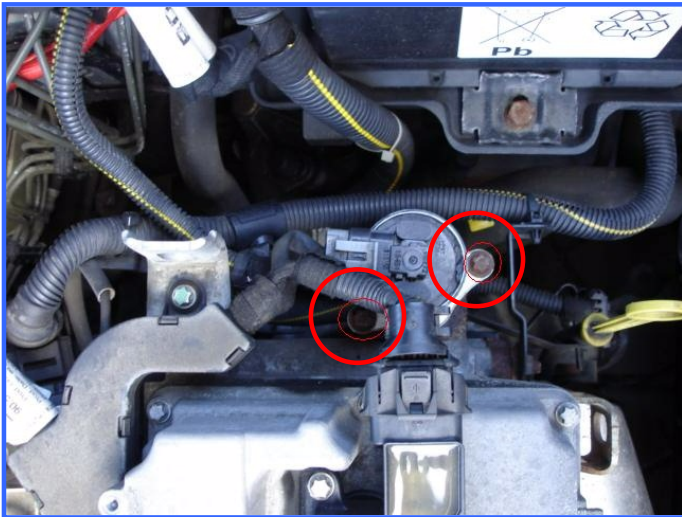
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Step 3

Remove the EGR valve using an E12 Torx socket on the two bolts holding it down.

Once these two bolts are out, the EGR valve will simply lift away.

Either clean out the EGR valve with carb cleaner or replace it (which is recommended). Always use a new gasket when refitting.



Step 4

To refit the new one, simply bolt it back down making sure the metal gasket is the right way around and correctly fitted, then plug it back in.

Torque wrench setting - 20Nm or 15lbf ft

Replace the engine cover and battery cable.

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