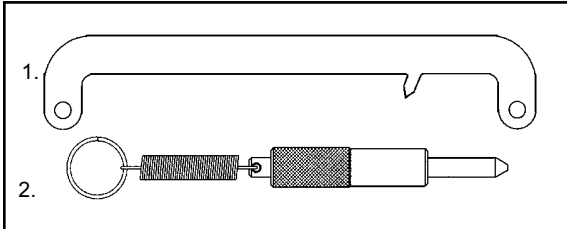


For: VAUXHALL Diesel 1.7 update

Models: Astra-F, Astravan, X17DTL diesel engines (1993 onward)



STANDARD PARTS LIST

1. VS117/01 Flywheel TDC setting tool.
2. VS117/02 Locking pin.

1. SAFETY INSTRUCTIONS

- ✓ Maintain the tool in good and clean condition for best and safest performance.
- **WARNING!** Ensure all health and safety, local authority, and general workshop practice regulations are strictly adhered to when using this tool.
- ✓ Use the VS117 for the retention of timing position only.
- ✗ DO NOT use VS117 for locking the flywheel to counter hold when removing the vibration damper/drive gear.
- ✗ DO NOT use tool if damaged.

IMPORTANT: Always refer to the vehicle manufacturer's service instructions, or proprietary manual to establish the current procedure and data. These instructions for use are provided as a guide only .

2. OPERATING INSTRUCTIONS

2.1. Flywheel TDC setting tool. (X17TDL engine - 97). VS117/01

The VS117/01 flywheel TDC setting tool is essential to determine the flywheel/crankshaft TDC position when removing or installing timing belt and establishing or checking correct engine timing position.

- 2.1.1. Attach the tool to the flywheel housing to provide the pointer position on which to align the TDC mark (fig 1).

2.2. Flywheel locking pin. (X17DTL engines 97-). VS117/02

Use pin in place of setting tool (2.1) on the latest engines having a two-part oil pan.

- 2.2.1 Insert the locking pin through a hole in the gearbox bell housing and lock the flywheel/crankshaft at 1st cylinder TDC position.
- 2.2.2 Carefully turn the crankshaft via the bolt of the timing belt pulley gear in the normal direction of engine rotation until the pin can be located in the flywheel.
- 2.2.3. The pin is supplied with a retaining spring which must be attached to a convenient bolt in order to keep the pin in its hole during work.

Note: Keep tools clean and stored in a safe dry area when not in use.

fig 1.

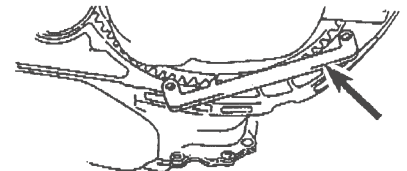
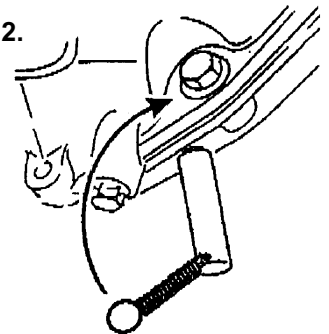


fig 2.



IMPORTANT: No responsibility is accepted for incorrect use of this equipment.

WARRANTY: Guarantee is 12 months from purchase date. Proof of purchase will be required for any claim.

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