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Original Instructions
Version 2
June 2025

FLYWHEEL PULLER

19862



1.1 Product Reference

User Manual for: Flywheel Puller

Stock No: 19862

Part No: N141/A

1.2 Revisions

Version 1: October 2019

First release

Version 2: June 2025

Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual. Please visit drapertools.com/manuals for the latest version.

1.3 Intended Use

This puller is designed to remove flywheel clutch assemblies with the engine in situ. Suitable for use on vehicles fitted with 1100/1300cc transverse power units, either diaphragm or verto clutches.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

2 Health and Safety Information

Important: Read all the Health and Safety instructions before attempting to operate or maintain this product. Failure to follow these instructions may result in injury or damage to the user, the product or the vehicle.



WARNING! Adhere to all Health and Safety, local authority and general workshop regulations when using this product.

- For detailed and concise instructions on the correct use of this tool, refer to the vehicle manufacturer's or Haynes workshop manuals.
- Ensure you fully understand the application of this product, along with the limitations and any potential hazards during its use.
- Ensure the product is maintained during its use and is kept in good condition.
- **ALWAYS** use in a clean, uncluttered and well-lit work area.



WARNING! Wear suitable safety eye protection (normal spectacles will not provide adequate protection).

- Wear appropriate **PPE** (Personal Protective Equipment) when using this puller. The use of non-slip safety footwear along with full protective clothing is recommended.
- Remove any loose clothing, along with ties, watches rings and other loose jewellery. Long hair must be tied back.
- Keep children and unauthorised person(s) away from the working area.
- **ONLY** use this product for the task it is intended to perform.
- **DO NOT** use the puller if you are tired or under the influence of alcohol, drugs or medication.
- When not in use, store the product in a dry, childproof location.

3. Instructions for Use

3.1 Diaphragm Clutches

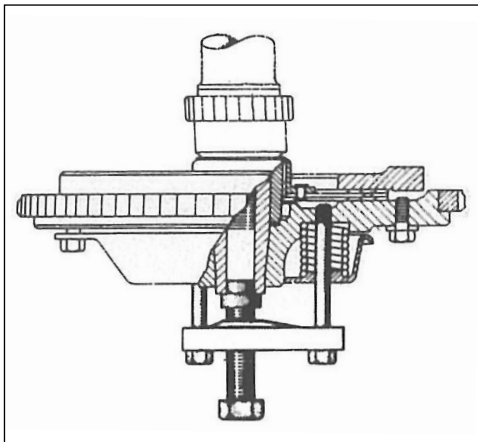


Fig. 1

- Unscrew 3 driving pins evenly.
 - Follow steps 1 - 6.
1. Release the locking tab and remove centre bolt, tab and key.
 2. Bring pistons No. 1 & 4 to T.D.C (top dead centre) to avoid 'C' washer becoming wedged.
 3. Insert shouldered spacer on to the end of the crankshaft (see Fig. 1).
 4. Bolt the extractor, with recessed face outwards, onto the flywheel.
 5. Lastly screw the centre bolt into the puller to bring pressure onto the shouldered spacer (see Fig. 1).
 6. If no movement can be obtained, lightly tap the centre screw with a soft faced hammer (this will avoid damage or excessive stress on the centre screw etc.). This should release the taper lock on the flywheel/ crankshaft.



WARNING! Take precautions as in some cases the assembly may spring off.

3.2 Spring Clutches

- Remove the thrust plate retaining bolts and remove the plate.
- Follow Diaphragm type clutch steps 1 – 6.

3.3 Verto clutches

Suitable for use with verto clutches fitted to the following Rover group vehicles:

Metro L, HLE, CITY, S.

To remove verto clutches:

1. Remove right-hand anti-roll bar bolt from right-hand front engine mount, then raise the engine.
2. Remove bolts from the engine mounting bracket to the clutch cover, remove starter motor and clutch release mechanism.
3. Then remove the clutch cover and thrust bearing sleeve, ensure the slots in the crankshaft hub are in the horizontal position and lock the flywheel with a prybar or lever.
4. Prise the locking washer from the slots and remove retaining bolt and key plate from the crankshaft.
5. Then fit the puller as per instructions for an ordinary clutch type.

6. Disposal

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

7. Warranty

Visit drapertools.com/warranty for full details.

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