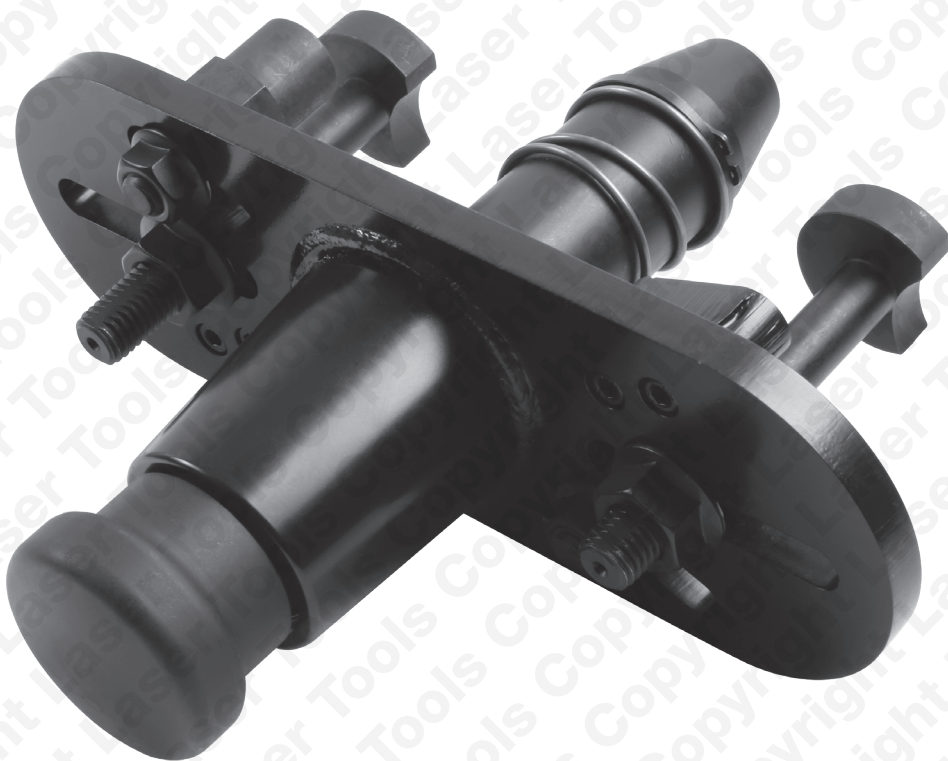


LASER[®]

Part No. 9035

Axle Half-Shaft Puller - HGV

Instructions



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Introduction

Designed to attach to the half-shaft fixing bolts, locating behind the half-shaft end cap, to allow the shaft to be extracted from the axle. The head of the puller driver is shaped to allow the use of a copper mallet or hammer to shock particularly stubborn shafts to help release them.

- Designed to pull the half-shaft out of the axle without damage.
- Applications include: Eaton, Dana and Rockwell drive axles.
- Kit includes: stud adaptors, half-shaft end cap puller-lugs, puller bridge and puller driver. Note: puller-lugs are shaped to fit various axles configurations – relief side of lug is for 12-bolt axle flange, opposite (full) side is for an 8-bolt axle flange.

Components

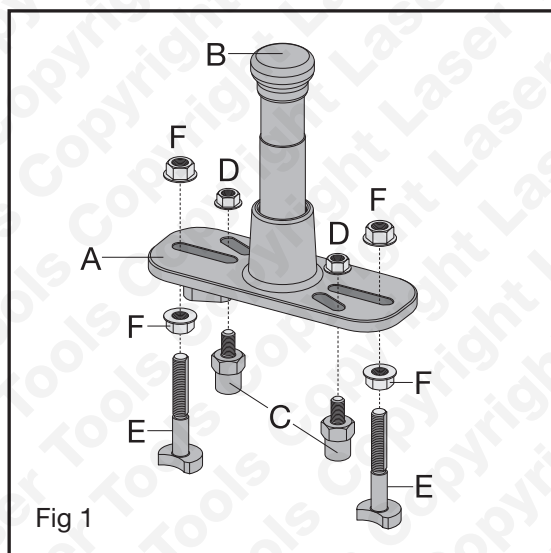


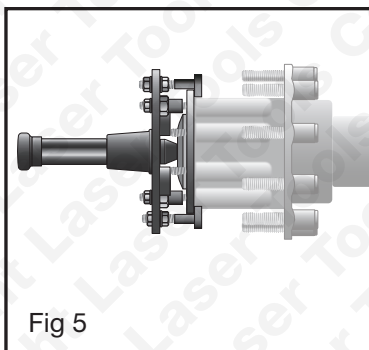
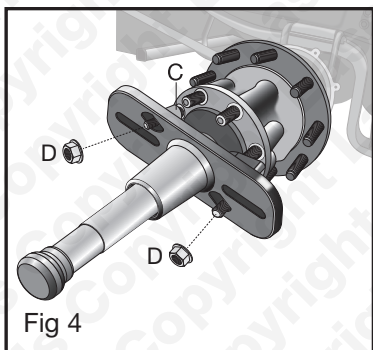
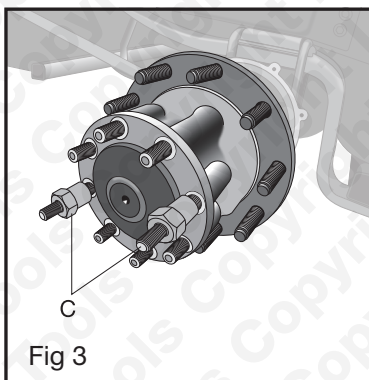
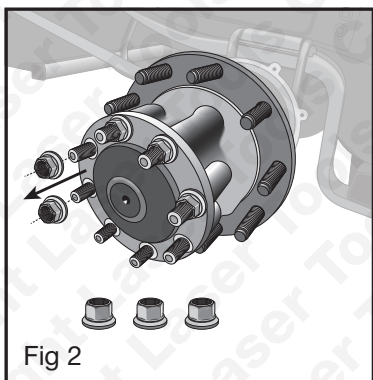
Fig 1

Ref.	Description
A	Puller bridge
B	Puller driver
C	Stud adaptors
D	Securing nuts for puller adaptors (x 2)
E	Puller-lugs
F	Securing nuts for puller-lugs (x 4)

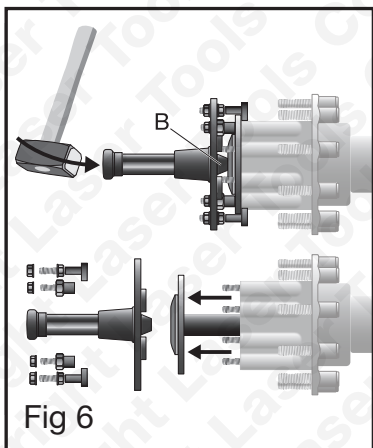
Operation



- Wear eye protection and appropriate personal protection equipment.
- Refer to the vehicle manufacturer's documentation for the correct procedure.



Caution: Refer to Figure 5 – Carefully tighten the puller-lug securing nuts (**F**) so that there is adequate and **equal pressure on both sides** of the axle flange. Over tightening of the puller lugs (**E**) can cause damage to the axle flange.



Caution: Refer to Figure 6 – Ensure that the head of the driver (**B**) is in contact with the half-shaft end cap before proceeding to strike with the hammer. Strike the driver until the half-shaft/end cap assembly has loosened. Then remove the puller assembly and withdraw the half-shaft.

Precautions:



- Always read these instructions carefully before using the tool.
- Wear eye protection and appropriate personal protection equipment
- Refer to the vehicle manufacturer's documentation for the correct procedure.
- Wear suitable clothing to avoid catching or snagging; remove watches, rings, etc. Tie back long hair.
- Visually inspect all equipment before use for signs of damage or wear and tear. Any defective or suspect equipment should be repaired or replaced before use.
- Use caution when using these tools – components are heavy.
- Do not use these tools for any purpose other than that for which they have been designed.
- If vehicle is raised, ensure it is adequately supported with axle stands, ramps, etc, as appropriate.
- Lightly lubricate the stud adaptor threads and the end cap puller-lug threads with a high-quality molybdenum disulphide grease.
- Always check that the puller is correctly assembled and is correctly aligned, straight and square with the axle housing, etc. Danger of breakage or damage if this is not adhered to.
- When finished, account for all tools and parts being used.
- Maintain the tools in good and clean condition and always return to case for safekeeping.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



Safety First. Be Protected.



When you have finished with this bottle please recycle it

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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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