

Part No. 8579

# LASER<sup>®</sup>

## Transmission Support Arm Instructions

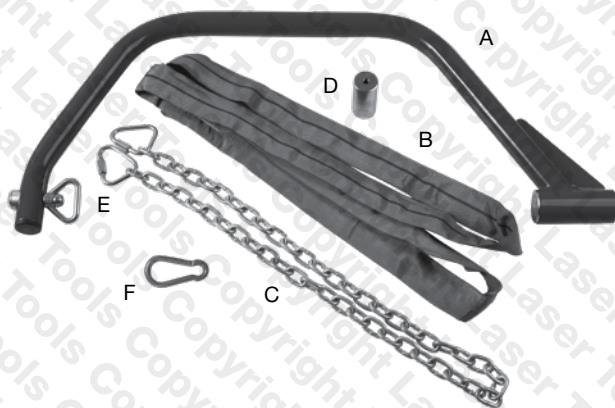


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## Introduction

Developed by a time served mechanic for Laser Tools, when combined with a traditional gearbox jack the patented Laser 8579 simplifies gearbox removal and fitting by supporting the gearbox from above. It does this by attaching to a traditional vertical gearbox jack and providing a specially shaped arm that goes up the side of the gearbox to give an attachment point to hang the support strap and chains supplied. Because the gearbox is hanging from the support it is much easier to manoeuvre both in and out of position. The Laser Transmission Support Arm turns a gearbox jack from an underneath support into a much more stable over the top support while still maintain the ability to work from underneath. Patent: PCT/GB2021/052235.

## Components



Ref.	Description
A	Support arm
B	1 x webbing sling
C	1m chain
D	30mm to 25mm insert for jack shafts
E	2 x chain quick links
F	1 x carbine snap clip

## Assembly



Fig.1

Slide the round sling through the triangular lifting eye that is already connected to the tool, ensuring there is an equal length on each side.

Slide a wear sleeve onto each side of the sling. Place the chain quick link connectors on each end of the sling.

Connect one end of the chain to one of the chain quick links and securely screw the gate closed.

Attach the Carbine snap clip to the loose end of the chain. The correct assembly can be seen in Figure 1.

## Instructions

Once the car is lifted, connect the support arm to the transmission jack. The tool fits a transmission jack with a 30mm shaft.

**IMPORTANT** - Ensure the tool fits snug when placed on the transmission jack. **NOTE** - when working with jacks equipped with 25mm shaft please use the insert provided (D).

Wrap the sling around the gear box.

**IMPORTANT** - position the sling as to ensure an equal distribution of weight on either side. Pull the chain that is attached to the sling under the gearbox, taking up all of the slack and connect the unused chain quick link to the mid-section of the chain as shown in **Figure 2**. When connecting the chain ensure the gearbox is positioned as close to the lifting eye as possible.

Securely lock the screw gate on the chain quick link. **IMPORTANT** - Ensure the sling is wrapped tightly and securely around the gearbox and is not twisted.

Attach the loose end of the chain to the triangular lifting eye of the support arm with the Carbine snap clip, ensuring any excess chain is gathered, wrapping tightly around an accessible part of the gearbox, as shown in **Figure 3**. This will provide additional stability.

Take the slack by raising the transmission jack and remove the gearbox. The Transmission Support Arm will allow the gearbox to be rotated around multiple axes, improving manoeuvrability to aid the removal, as shown **Figure 4**.

In order to rotate the gearbox, drop off the carbine snap clip. This allows webbing to slide through the lifting eye.

### DO

- Ensure the sling is not in contact with any sharp edges.
- Check the tool before use. This includes checking both the Transmission Support Arm tool and the round sling for signs of wear.
- Ensure there is enough clearance under the vehicle before removing the gearbox.

### DO NOT

- Use for lifting anything other than a gearbox.
- Exceed the safe load of 200kg, as displayed on the product.

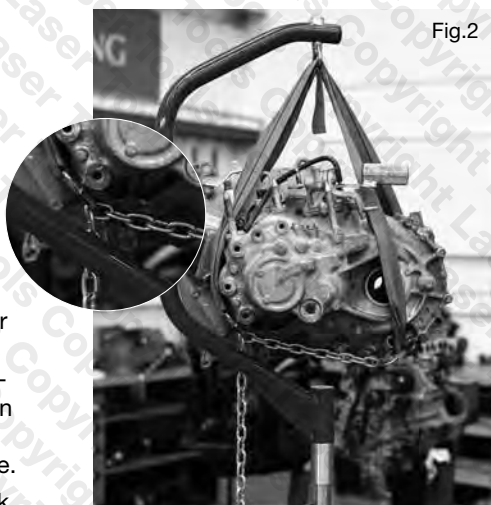


Fig.2



Fig.3

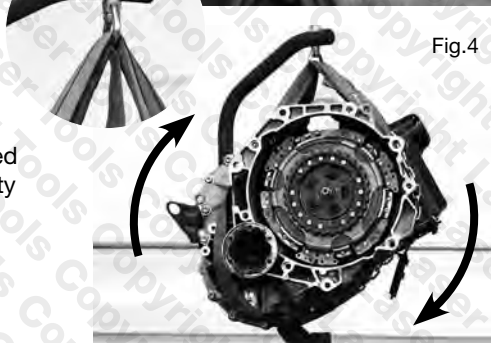


Fig.4

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