

5790

# LASER<sup>®</sup>

## Macpherson Strut Expander Tool Set

Instructions



### 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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- Designed to quickly and easily expand Macpherson struts to their full extension and hold them in their extended position whilst new road springs are fitted.
- Particularly useful when working with struts that are equipped with strong internal springs (tension stop springs) that pulls the strut shaft partly into the strut.

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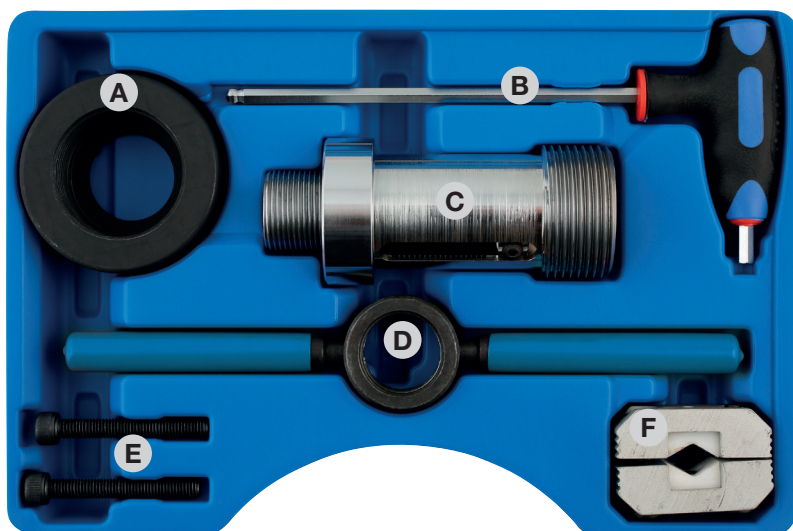
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Particularly useful when working with struts that are equipped with strong internal springs (tension stop springs) that pulls the strut shaft partly into the strut.

The tension stop spring fitted in some shock absorbers (strut) ensures that the strut cannot be damaged when “topping out” in use. The spring is located directly inside the shock absorber and is not active when the vehicle is sitting still with load on the wheels. It only comes into effect as the strut reaches full extension during the rebound stroke.

The use of a tension stop spring has no effect on the normal operation of the strut, however, there is a significant disadvantage during the dismantling and assembly of the strut as the piston rod will retract into the strut as the load of the spring is removed. This makes fitting a new spring difficult as the strut will not stay at full extension.

Ref	Description
A	Flat threaded base
B	Hex key for (F)
C	Strut extender unit - main body
D	Extender T-handle
E	Clamp bolts (F)
F	Strut shaft split clamp (available separately - <b>Part No. 5791</b> )



## Instructions for Assembly and Use



1. Fit the Strut shaft split clamp (F) to the strut shaft using the clamp bolts provided but do not tighten the bolts.
2. Assemble (A) onto (C) and place the assembly over the strut shaft.
3. Attach (D) to the top of (C) and fit the strut top nut on to the strut shaft to hold the assembly together.



4. Wind component (D) in a clockwise direction until the strut shaft is fully extended



5. Lock the shaft in the extended position by using the Hex Key (B) to tighten the clamp
6. Remove (A/C/D) and assemble the strut spring etc as required
7. Once the spring is in place the strut clamp (F) can be removed.