Part No. 8272

LASER[®]

Ball Joint Removal & Installation Tool

for Ford Transit

Instructions





Introduction

Designed to easily extract and refit the bolt-in type front lower ball joint found on the late model Ford Transit. The bolt-in Ford Transit ball joint is a very tight fit even after the bolts have been removed, requiring the old joint to be pulled out and the new joint to be pressed in. The 8272 is designed to do this without damaging the joint or hub and removes the need to use heat, hammer blows or a workshop press.

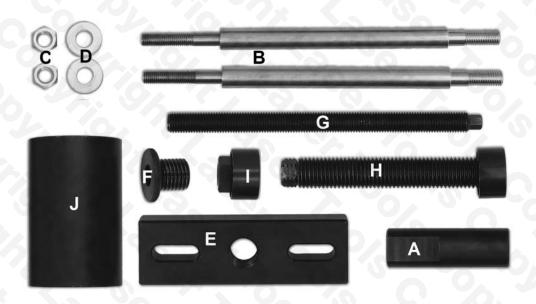
NOTE: Suitable for bolt-in type lower ball joints only. For the clip in ball joints please use Laser Part No. 6614.

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- Applications include: Transit Bus (from 2013), Transit Platform/Chassis (from 2014).
- Use to remove and fit OEM ball joints -1451917, KT6C113K209AA.
- Designed to be used in-situ.

Always lubricate tool threads with molybdenum disulphide grease before use.

Components



Ref.	Comp. Code	OEM Ref.	Description	
Α	61732	204-1052-01/1	Threaded Ball Joint Adaptor (use with G)	
В			Support Rods x2	
С	61734	204-069-01/2	M12 Nuts x2	
D			M12 Washers x2	
E	3043	7/6	Top Plate	
F	6733	, '0'	Top Plate Thread Adaptor	
G	1817	204-069	M16 Force Screw	
Н	1682		M24 Force Screw	
	1810		M16 Bearing Nut	
J	N/A	204-069-01/3	Insertion Cup	

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Applications

V/A. V	Make, Model, Year	Ball Joint OEM Ref.	
Ford	Transit	From 2013	1451917, KT6C113K209AA

Always refer to the website for most up to date applications: www.lasertools.co.uk/product/8272

Instructions

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufacturers own data or Autodata.

The use of this tool is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused what so ever.



- Always refer to manufacturer vehicle specific data and instructions.
- Best practice requires that front ball joints be replaced as pairs.
- Support vehicle with both front wheels off the ground and front suspension hanging at full droop.
- Remove front wheels.
- Remove the lower ball joint main taper nut and separate the joint from the arm to access the bottom of the hub.
- Remove the 2 ball joint fixing bolts from the hub.

Instructions

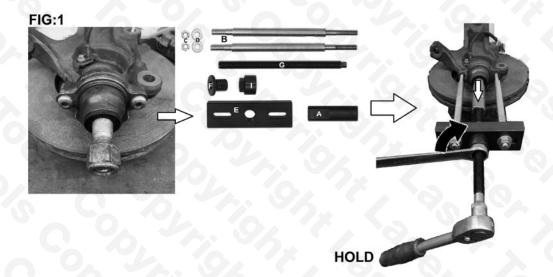
Methods of Use

NOTE: hub shown removed from the vehicle for clarity only, the 8272 is designed to be used with the hub on the vehicle.

For hand tool use only - do not use power tools with this puller/press kit.

Removal:

- With the ball joint fixing bolts removed, assemble the removal components (A, B, C, D, E, F, G & I), as shown in figure 1.
- Ensure that the support rods (B) are screwed in fully and to the same amount.
- Ensure that the ball joint adaptor (A) has been fully screwed on to the ball joint taper thread).
- Ensure that the top plate threaded adaptor (**F**) has been fully screwed in to the top plate (**E**).
- Ensure the support rod nuts and washers are correctly tightened.
- Lubricate the threaded force screw (G) with Molybdenum Disulphide grease.
- Pull the ball joint out by turning the bearing nut (I) while holding the force screw (G).



Instructions

Fitting:

After removal of the old ball joint, remove the puller and remove the threaded adaptor (**F**), the M16 force screw (**G**) and the bearing nut (**I**).

- Lubricate the M24 force screw with molybdenum disulphide grease and screw it directly in to the top plate (E).
- Refit the support legs (**B**) to the hub through the new ball joint and heat shield as shown in figure 2.
- Fit the insertion cup (**J**) over the joint and assemble the top plate (**E**) and the force screw as shown in figure 2.
- Check the support rods (B) are evenly tightened and the top plate (E) is level to the hub face.
- Press the joint fully in to place by tightening the force screw (H).







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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.





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