

Applications

Make	Model	Years
Ford	Transit	2000-2014
	Transit Custom	2012-2016
	Transit RWD FWD not 4x4 or HD suspension	2012-2016

Precautions

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.

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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LASER[®]

6614

Ball Joint Tool

Ford Transit



- This tool is an engineered solution that has been developed for effective removal and installation of the front lower outer ball joints on the Ford Transit.
- Ball-joint extraction and insertion tool – Ford Transit 2000<
- Equivalent to OEM tool 204-288A
- Excellent access for on vehicles use with minimum of disassembly required.
- Applications include: Transit (2000 to 2014), Transit Custom 2012 onwards, Transit 2012 onwards RWD & FWD (not 4x4 or HD suspension)

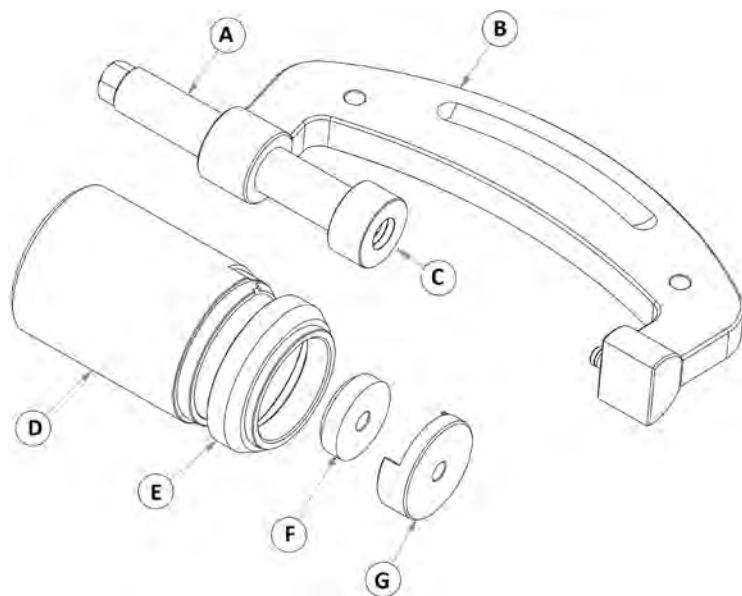
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6614 - Ball Joint Tool - Ford Transit

- The tool kit consists of 7 main components made up of a 'G' clamp style press frame, force screw and various engineered cups and adaptors.
- N.B The information given below is for reference only.
- The Tool Connection Ltd recommends the use of Manufacturer data or Autodata where relevant.
- Do not use air tools, maximum recommended torque on force screw 120Nm (equates to 4 to 4.5 tonnes of force to easily remove ball joint).**

Components



Ref	Replacement Part No.	Description
A&C	4452	Force Screw (with bearing)
B		G Clamp Brace Beam
D		Receiver Cup (extraction and insertion)
E		Receiver Cup (insertion only)
F		Extraction Disc
G		Top Insertion Cup

N.B: Always ensure the force screw are well lubricated with molybdenum disulphide grease. Threaded force screws, their associated nuts and bearings can be easily damaged by lack of lubricant or ingress of dirt. For this reason the force screw and nut assemblies are considered consumable.

Instructions

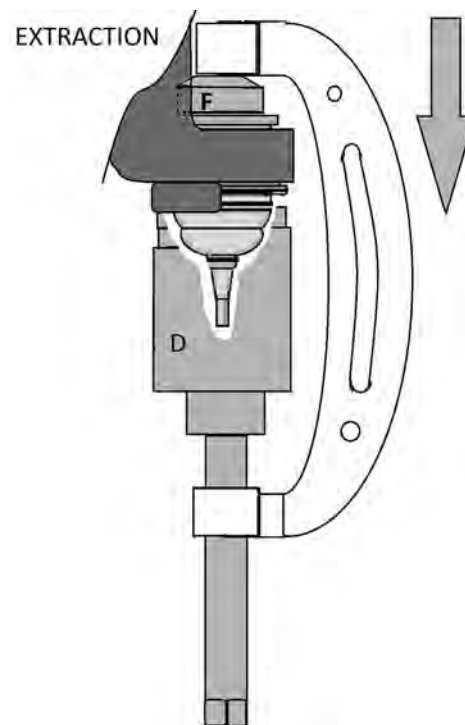
Preparation:

IMPORTANT: ENSURE THE FORCE SCREW IS WELL LUBRICATED WITH MOLYBDENUM DISULPHIDE GREASE.

- It is advised that any mounting bolts should be sprayed with penetrating oil prior to dismantling.
- Mount the vehicle on a ramp, wheels free.
- Separate the lower ball joint from the track control arm.
- Separate the steering track rod end ball joint from the hub.
- On front wheel drive vehicles remove the drive shaft outer CV joint from the hub.
- On rear wheel drive vehicles remove the dummy drive shaft from the hub.
- Remove the bottom ball joint retaining circlip clip.

Extraction

- Select components as shown



- Assemble on the top arm as shown with the force screw pushing up. Using a socket and ratchet only wind the ball joint out.

Insertion

IMPORTANT: ENSURE THE FORCE SCREW IS WELL LUBRICATED WITH MOLYBDENUM DISULPHIDE GREASE.

- Select components as shown.
- Ensure the ball joint heat shield is pointing toward the brake disc.
- Ensure the ball joint is pushed in straight.
- Once fully home fit new ball joint circlip

