"U" JOINT ASSEMBLY AND DISASSEMBLY

The basic C-frame press is used to service the "U" Joints of most cars and light trucks either on or off the vehicle.

NOTE: some cars and light trucks may have the upper ball joint spot welded to the control arm. The weld must be cut before attempting to remove the ball joint.

DISASSEMBLY

1. Remove any external and/or internal lock rings/circlips.
2. Position the C-frame press around the drive shaft yoke, and tighten the forcing screw until the first bearing is removed.
3. Reposition the C-frame and remove the second bearing.

ASSEMBLY

1. Clean all dirt and oil from the yoke area.
2. Align the replacement bearing and C-frame press as straight as possible over the yoke. Press the replacement bearing into the yoke, and reassemble the external and/or internal lock rings/circlips.
3. Replace the second bearing as above.

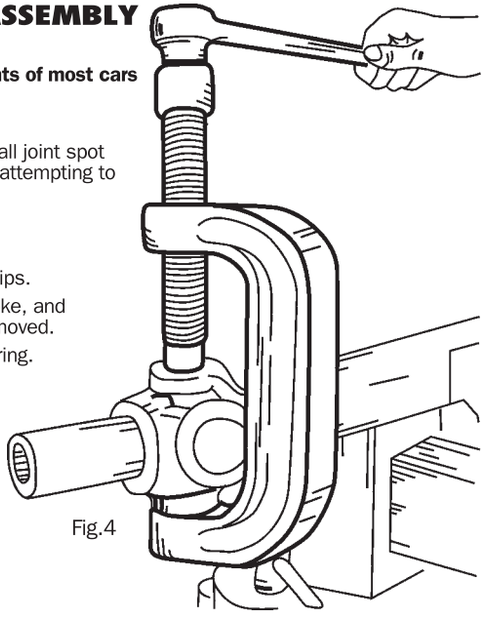


Fig.4

QUALITY GUARANTEE & WARRANTY

KENNEDY TOOLS carry a one year manufacturers warranty.

KENNEDY TOOLS are designed & manufactured to the highest standards & specifications.
Assuring the quality and performance required by all sectors of industry.

KENNEDY TOOLS are fully guaranteed against faulty materials & workmanship.
Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

KENNEDY TOOLS Wigston Works, Leicester, England, LE18 2FS

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QUALITY INDUSTRIAL TOOLING

BALL JOINT SERVICING KIT

MODEL BJS940k
KEN-503-1300K

Designed for use on all cars and light commercial vehicles that have press-fit type ball joints without the need to remove the control arm from the vehicle.

- For the removal and installation of ball joints
- For the removal and installation brake anchor pins
- For the removal and installation of "U" joint bearings
- Made from cast and hardened carbon steel



www.kennedy-tools.co.uk

INSTRUCTION MANUAL

KENNEDY thoroughly recommends reading these instructions before using the tool, even if you have used a ball joint servicing tool on a vehicle before. Reading these instructions carefully and understanding them fully will enable you to use the equipment correctly and will prevent injury to yourself or someone else as well as prevent damage to the vehicle and equipment.

SAFETY GUIDELINES

- Always park the vehicle on a firm and level surface.
- Always apply the hand/parking brake and put the vehicle in "First" gear if it is a manual gear box or "Park" if it is an automatic vehicle.
- Switch the engine off before using the equipment. Do not start the engine whilst the vehicle is raised off the ground.
- Always use jack stands when working underneath a vehicle.
- Always block the wheels to prevent rolling before working on a vehicle.
- Always use appropriate P.P.E. (personal protective equipment) when working with this kit because the normal use is likely to expose the user to dust and microscopic particles that are known to be carcinogenic, cause birth defects and other reproductive harm.
- Study, understand and follow all instructions provided with this product.
- Always check the equipment for damage prior to use.
- Always check the final alignment of the C-frame press and all tooling before exerting pressure to remove or replace ball joints, bearings and pins etc.

SPECIFICATIONS

Order Code	KEN-503-1300K
Weight	7.6kg

CONTENTS

1. Receiving Cup.
2. Install Cup.
3. Install Cup Adaptor.
4. C-frame and screw.
5. Install Adaptor.
6. Removal Adaptor.
7. Receiving Tube 45mm x 51mm ∅ (1¾" x 2" ∅)
8. Receiving Tube 45mm x 63mm ∅ (1¾" x 2½" ∅)
9. Receiving Tube 57mm x 75mm ∅ (2¼" x 3" ∅)



OPERATING INSTRUCTIONS

INSPECTION:

Before each use of the kit, a visual inspection should be carried out, checking for missing or damaged parts. **If it appears to be damaged in any way, it should not be used and removed from service immediately.**

BALL JOINT REMOVAL AND INSTALLATION

This kit is designed for use on cars and light commercials with press-fit type ball joints without having to remove the control arm from the vehicle.

NOTE: some cars and light trucks may have the upper ball joint spot welded to the control arm. The weld must be cut before attempting to remove the ball joint.

REMOVAL

1. Assemble the ball joint press over the control arm as shown in Fig.1. Select the correct size receiving tube (item 7,8 or 9) and position it under the vehicle ball joint, refer to Fig.1
2. Tighten the forcing screw until the receiving tube contacts the control arm. Check the alignment of all tooling and components, and continue tightening the forcing screw until the ball joint is removed.

INSTALLATION

1. Clean the control arm and coat the internal diameter with a suitable lubricant.
2. Insert the replacement ball joint as straight as possible into the vehicle control arm.
3. Assemble the ball joint press component as shown in Fig.2. Position the receiving tube, tighten the forcing screw. Check the alignment of all components, and continue tightening the forcing screw until the ball joint is firmly seated.

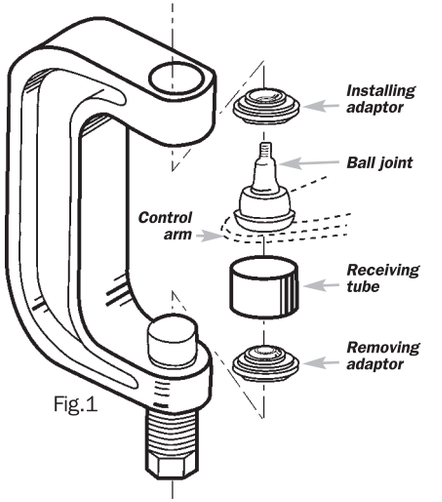


Fig.1

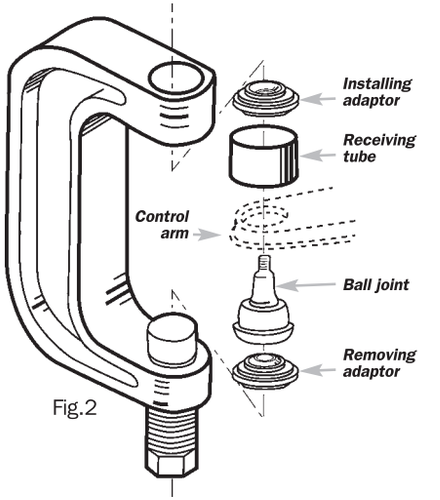
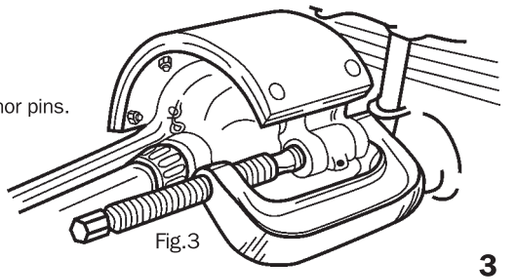


Fig.2

BRAKE ANCHOR PIN REMOVAL AND FITTING

1. Remove all lock ring retainers from the brake anchor pins.
2. Position the C-frame press over the brake spider as shown in Fig.3.
3. Tighten the forcing screw until the anchor pin is removed.


Fig.3