



**G & G Technics**  
Innovative Automotive Tools

**New  
Portable  
Press  
Tool**



# Mini Press

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## **Series 2 Portable Hand Press**

Part No. GGT-400S2

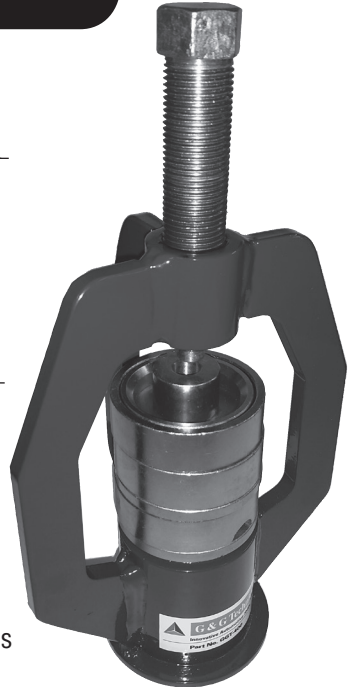
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### **On Vehicle installation and removal of**

- Top and bottom ball joints
- Front and rear suspension bushes

### **Suits a wide range of vehicles, especially**

- Ford AU-BA11 front top and bottom ball joints
- Ford Explorer bottom ball joints
- V-Series Commodore independent rear suspension bushes
- Nissan D40 Navara/Pathfinder Bottom Ball joints, remove and install



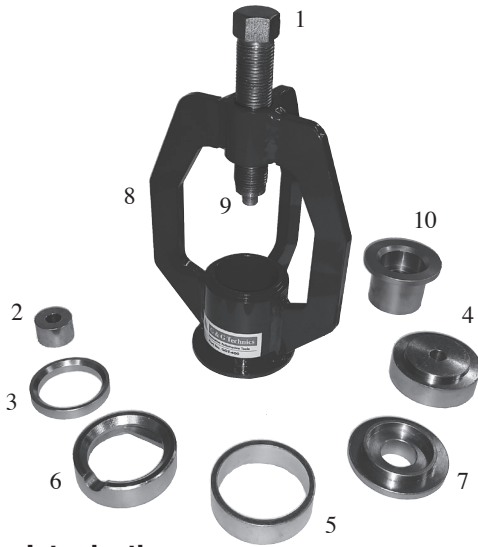
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# Instructions for Use



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## PARTS LIST

No.	Description	Part No.
1	Jacking Screw	GGT-408
2	Spacer	GGT-403-3
3	Spacer	GGT-410-2
4	Jacking Plate	GGT-403-1
5	Spacer	GGT-403-2
6	Adaptor for Commodore IRS	GGT-415
7	Adaptor for Ford	GGT-410-1
8	Mini Press Frame	GGT-400-1-3
9	Thrust washer for Jacking Screw	GGT-414
10	Nissan Adaptor	GGT-416

### Introduction:

Thank you for purchasing a quality Tool from G & G Technics, this tool will provide years of satisfactory service if used correctly.

### General maintenance:

Little maintenance is required other than the following;

- Keep Jacking Screw thread clean and lubricated at all times.
- Lubricate end of Jacking screw with a lithium based grease to prevent excessive wear on the Jacking surfaces.
- Do not apply excessive force to Hand Press.
- Do not use Impact Guns on Tool (Will void Warranty)

### Tips for general use:

- A selection of spacers always come in handy (old bearing races are useful).
- Fit a piece of tubing over the threaded end of the ball joint to guide it through the tool.

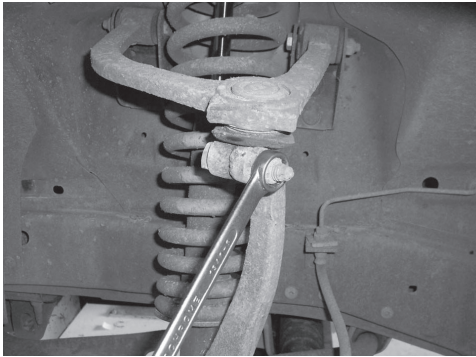
### Examples of specific applications;

The following pages show Ball Joints being removed and fitted to an AU-BA Ford and using the supplied adaptor to remove the Commodore Independent Rear Suspension Bushes. These are just some applications where the tool can be used. You are limited only by your imagination where the tool can be used quickly and efficiently.

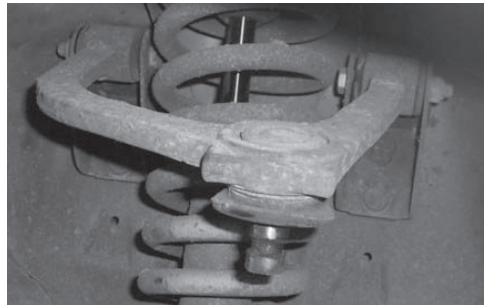
If some specific adaptors are required please contact your tool supplier with a sketch and we may be able to provide them for a reasonable charge.



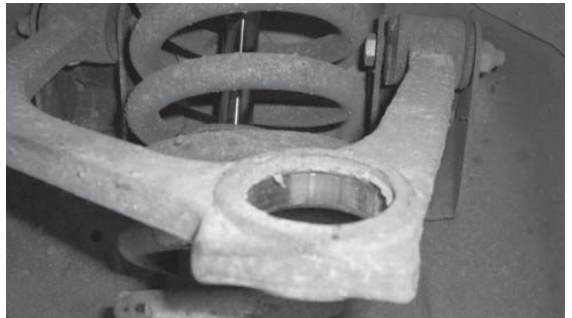
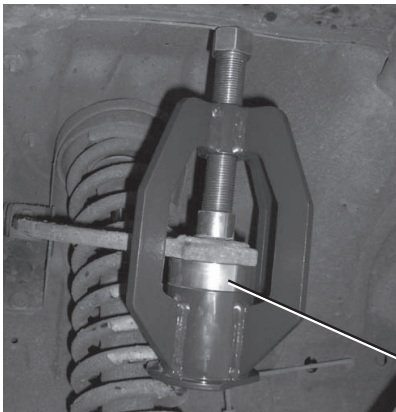
## Removing and installing top Ball Joint from AU-BA Ford.



1. Undo suspension arm retaining nut.



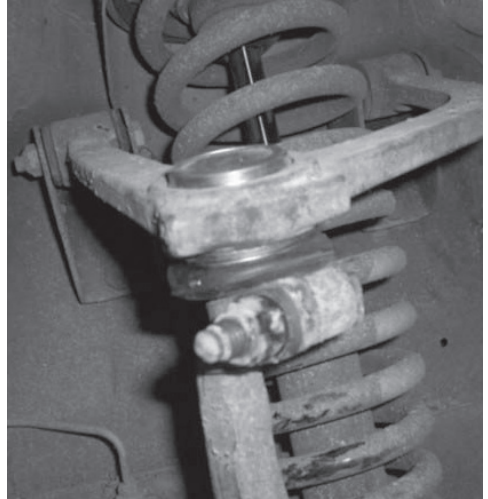
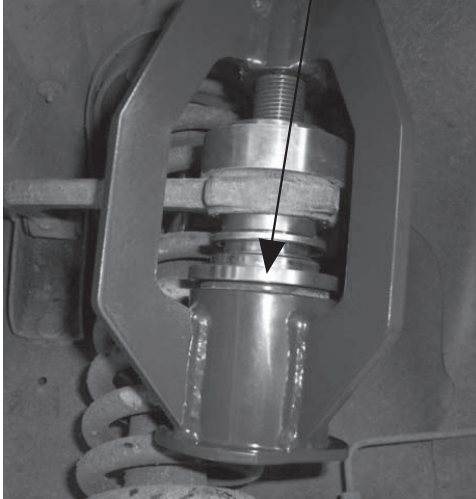
2. Remove Bolt and arm and fit Mini Press then press Ball Joint through.



Note the spacer to allow Ball Joint to be pressed through.



3. Place new Ball Joint in Press and fit to suspension arm.  
Use special **adaptor** (supplied).

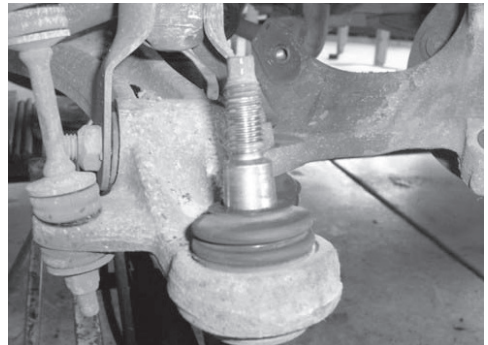
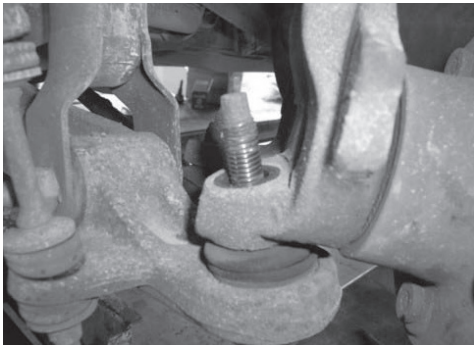


Take care that Ball Joint is pressed in square to arm.

Fit retaining nut and job is complete.

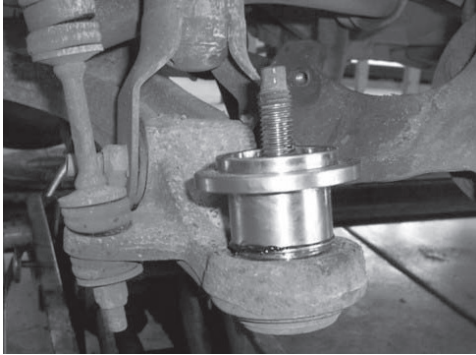
## Removing and installing bottom Ball Joint AU-BA Ford.

1. Undo Ball Joint retaining nut and remove stub axle.

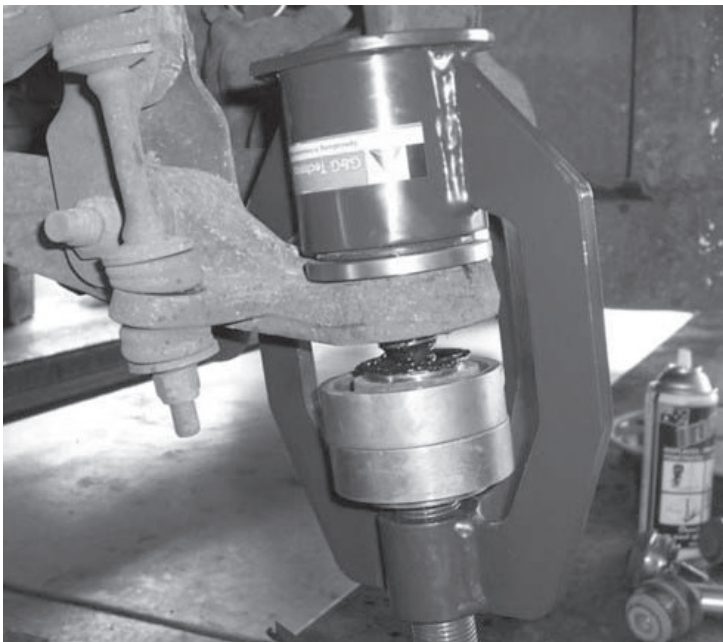
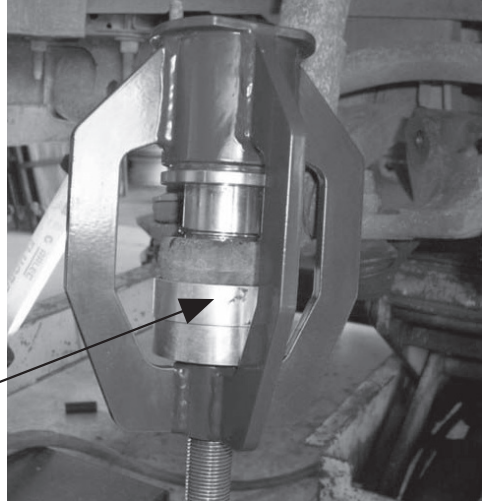




2. Remove dust boot and fit special adaptor (supplied) then fit press tool as shown.



Note **spacer**  
fitted to top  
of Jacking Plate.



3. Press Ball Joint from suspension arm.

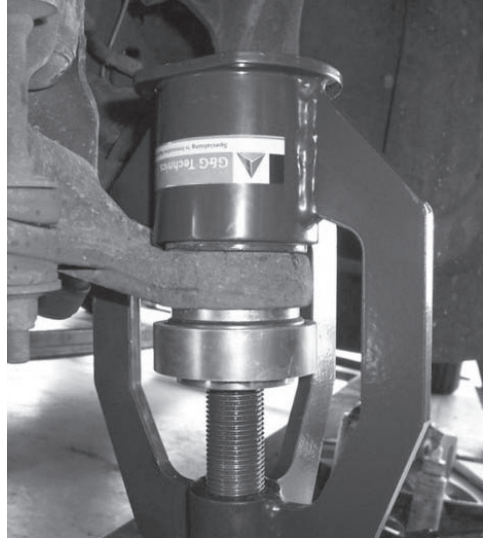
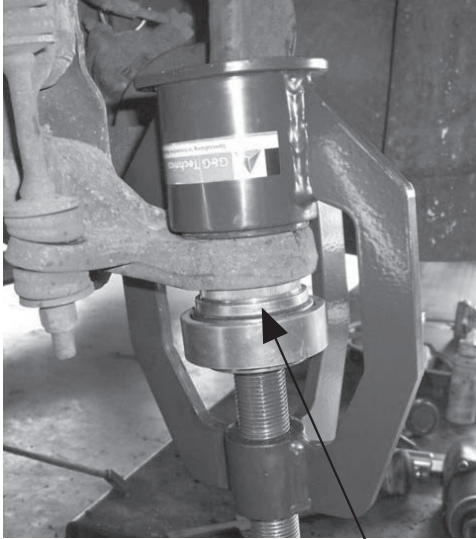
Photo shows  
Ball Joint  
pressed  
through.





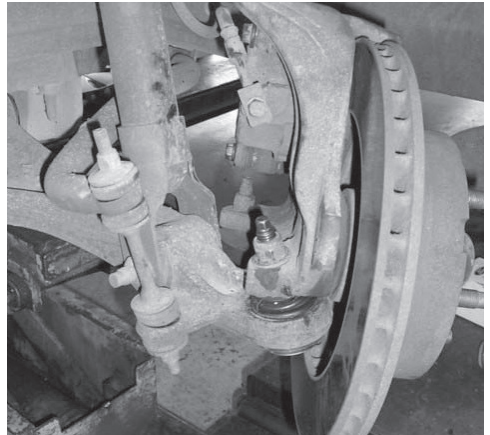
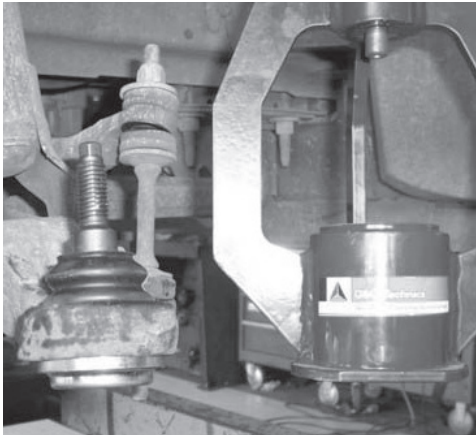
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4. Fit new Ball Joint into position then press into arm.



**Note:** Use special spacer (supplied) to avoid pressing on raised portion on back of the Ball Joint. (Spacer fits inside Jacking Plate).

5. Job completed.

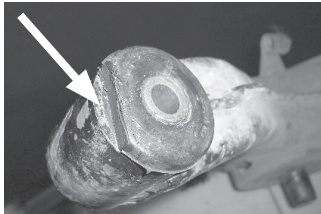




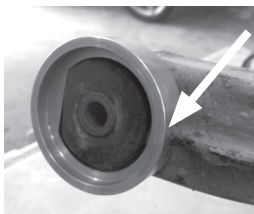
## Instructions for using Part No. GGT-415 to remove bushes from Commodore Independent Rear Suspension

1. Drop Suspension arms down to allow access to remove bushes.

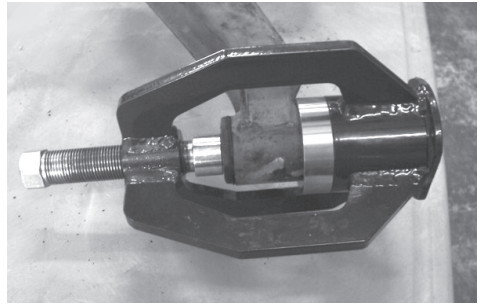
2. Determine which side to press bush from, choose the side that allows best access to fit the Mini Press and still have room to turn the jacking screw.



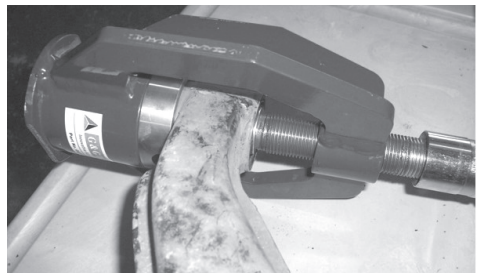
3. Remove a portion of the rubber bush as shown directly opposite the welded seam on the suspension arm.



4. Fit adaptor as shown.  
Fit cutout in adaptor over seam in suspension arm.



5. Fit Mini Press as shown.



6. Press bush through.



7. Done.



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## **Instructions for using Part No. GGT-416 to Install Nissan Ball Joints.**

**Simple to use and a major time saver, no more removing the Boot to Install the Ball Joint.**



New Adaptor fitted to  
Mini Press



Ball Joint ready to press in



Set-up of Mini Press for  
pressing in Ball Joint.

**Removal and Installation can be done on  
vehicle.**

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