

# TOPTUL®

THE MARK OF PROFESSIONAL TOOLS

**Automotive Specialty Tool Set**

**Multi-Steering Knuckle  
Spreader Tool Set**

▶ Part No. JGAI1501

## Operational Manual



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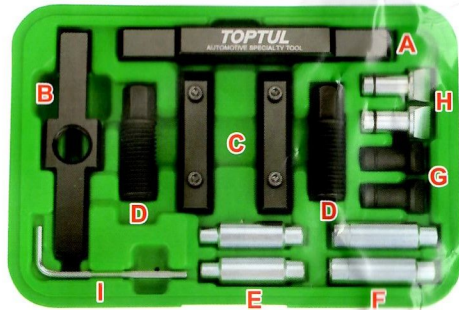
JI-1501A



PLEASE READ THE SAFETY INSTRUCTION CAREFULLY BEFORE OPERATES THE TOOLS.  
ONLY USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH  
IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY.  
PLEASE KEEP INSTRUCTIONS SAFETY FOR FUTURE USE.



### Set Contents



Part No.	Description	Q'ty
A	Beam (Twin Hole)	1
B	Beam (Single Hole)	1
C	Arm	2
D	Force Screw	2
E	Guide Pin Ø7.7 x Ø9.7 mm	2
F	Guide Pin Ø9.8 x Ø12.3 mm	2
G	Spreader (Depth 5mm)	2
H	Spreader (Depth 8mm)	2
I	Hex Key Wrench	1

### Operating Instruction

1. Remove hub clamp bolt.
2. Choose the correct size Guide Pins (Part No.E or F) to match bolt holes.  
Select the correct size Spreader (Part No.G or H).
3. Set up the Multi-Steering Knuckle Spreader Tool. (Fig.1 or 2)

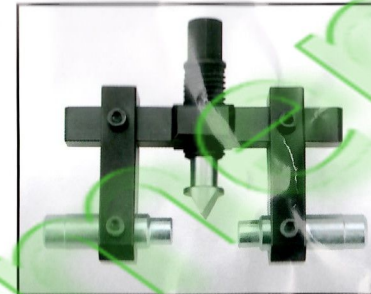


Fig. 1

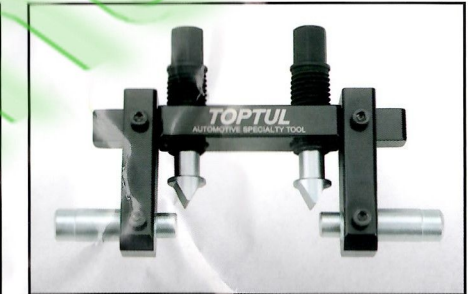


Fig. 2

4. Slide the Guide Pins (Part No.E or F) through the arms and into the bolt hole.  
Then use Hex Key Wrench (Part No.I) tighten grub screws in to lock the arms in place.
5. Tighten the Force Screw (Part No.D) ensuring that the wedge on the Spreader (Part No.G or H) tip sits in the clamp on the hub. (Fig.3 or 4)
6. Using a spanner or socket and wrench screw tighten the Force Screw (Part No.D) until the clamp separates and allows movement of the ball joint or strut.



Fig. 3

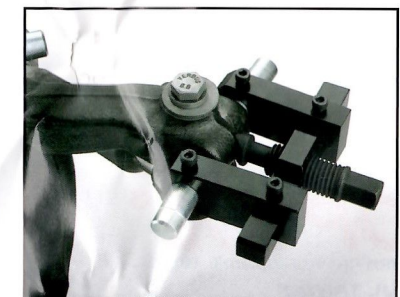


Fig. 4

### Feature

A commonly used tool set for removing and refitting of shock absorbers without the risk of damage to the aluminum or cast iron knuckle. Suitable for steering knuckles with either a centralized slot or a non centralized slot. The set is also designed for twin ball joints as fitted to Audi and VW control arms. Application for most cars, such as Audi, BMW, Citroën, Ford, Peugeot, Renault, Seat, Skoda, VW and etc.

### Safety Precaution

- Check each tool kits are in good condition before use. If damaged - Do not use!
- Read this manual completely before performing any operation procedures.
- Always wear protective goggles and gloves when work with this tool.
- Never use this tool for any other application which it was designed.
- Always observe safety precautions whenever working on a vehicle.
- Always refer to the vehicle manufacturer's service instructions, or proprietary manual, to establish the current procedures and data. Product information sets detail applications and use of the tools with any general instructions provided as a guide only.

**NOTE:** DO NOT allow untrained person to use this tool kits.