



Affordable. Reliable. Home Improvement.

SUSPENSION SYSTEM TOOLS

MODEL: TL-10009-SST

Technical Support and E-Warranty Certificate
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VEVOR

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TOOLS

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



Warning-To reduce the risk of injury, user must read instructions manual carefully.

WARNING









Warning: The maximum pressure of the product is 1360KG, and overloading is strictly prohibited.

- Before using this product, read and fully understand the operating instructions and all decals on the product. This is necessary to prevent injury to the operator and damage to the product.
- Do not attempt to use this product for anything other than its intended purpose.
- Do not use this product if it is visibly worn, distorted or damaged.
- Always check condition of rubber hook pads on all six hooks before using this tool. Replace if damaged or missing.
- Always wear appropriate eye protection.
- Inspect the spring of the strut assembly for any damage corrosion. Spring breakage during compression could cause injury.
- Failure to properly position the strut assembly in tool could result in serious injury from sudden release of the strut assembly parts.
- Always keep fingers and hands clear of the upper hook area.

PRODUCT CONFIGURATION

Model	TL-10009-SST
Applicable spring outer diameter	88.9-292mm
Compression stroke	615 mm
Maximum pressure (kg)	1360

PARTS LIST

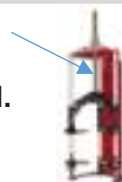
ITEM	Name	Picture	Q'TY
A	Product Subject		1PCS
B	handle		3PCS
C	Apply adhesive pad		1PCS
D	Lower rubber pad		1PCS
E	Iron clamp		1PCS
F	Manual		1PCS

OPERATION



Notice:

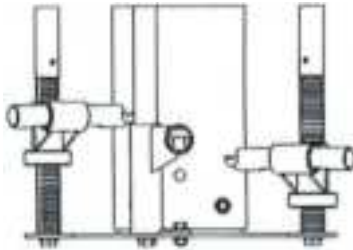
Lubricate the middle-threaded rod with lubricating oil.



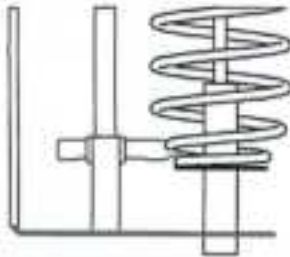
- Install on a solid vertical wall or post, (Can also be installed on an Optional bench mount or portable cart). **Suggest using 2 M12 bolts for installation.**
- Anchor the unit to the wall or post utilizing the two holes in the back plate. Make sure there is no movement between the back plate and wall or post.

STEP1: Positioning the Strut Assembly

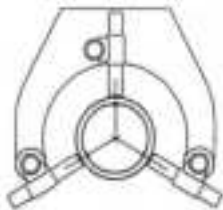
- A) Adjust lower right hook to a position just below the lower center hook. Adjust lower left hook to a position just above the lower center hook.



- B) Place strut assembly on the lower center hook using the lowest possible coil of the spring.



- C) Engage lower left and right hooks with spring. Center the spring within lower hooks. The three lower hooks should be equally extended.

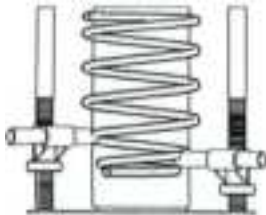


CORRECT

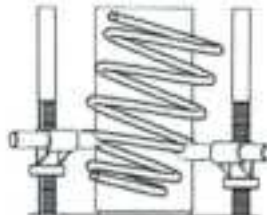


INCORRECT

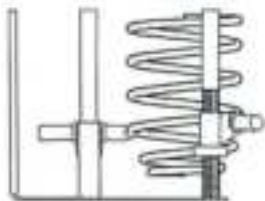
- D) Align strut assembly by adjusting the lower left and right hooks. When properly aligned, the spring of the strut assembly will be parallel to the posts of the tool when viewed from both the front and side.



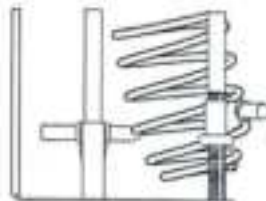
Front-CORRECT



Front-INCORRECT

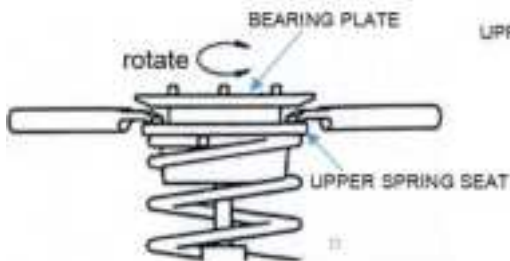


Side-CORRECT



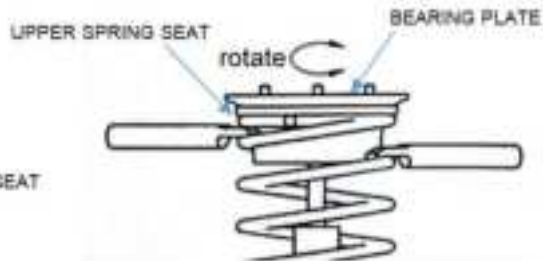
Side-INCORRECT

- E) Identify the strut assembly type you are servicing.



Type 1

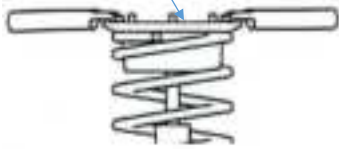
This type of strut has a bearing plate (which rotates) and upper spring seat. Place upper hooks on the upper spring seat. Do not place hooks on bearing plate.



Type 2

This type of strut has a bearing plate (which rotates) and upper spring seat without space between them. Place upper hooks on the highest coil of the spring. Do not place hooks on bearing plate.

UPPER SPRING SEAT



Type 3

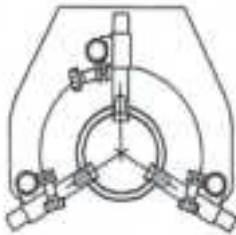
This type of strut has only an upper spring seat. Place upper hooks on upper spring seat.



Type 4

This is a coil over shock. Place upper hooks on the highest coil of the spring.

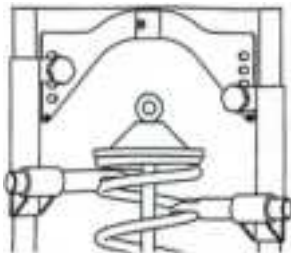
- F) Engage all three upper hooks as shown above for the type of strut assembly you are servicing. The three upper hooks should be equally extended and contacting the strut.



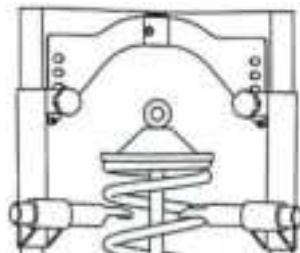
CORRECT



INCORRECT



CORRECT



INCORRECT



CAUTION:

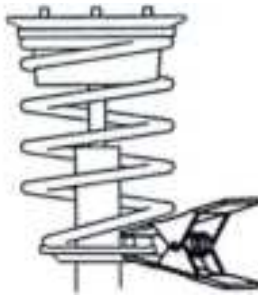
- If the strut assembly is difficult to compress or the spring bows or tilts, release tension and reposition the strut assembly.
- Always keep fingers and hands clear of the upper hook area.

STEP2: Disassembly

- A) With the strut assembly properly positioned, turn handles to compress spring until the bottom coil of spring is just free of the lower spring seat.

DO NOT OVER COMPRESS THE SPRING!

- B) Secure strut to spring with the clamp to prevent strut from dropping out unexpectedly.



- C) Mark upper strut parts to aid in reassembly.



WARNING:

- Use extreme care when working with a compressed spring.
 - Never remove the piston rod nut when there is any spring pressure on the lower spring seat.
- D) Working from the right side when facing strut compressor, remove the piston rod nut.
- E) Remove the clamp while holding strut. Carefully remove strut and related parts.

- F) Service or replace strut as required. It is not necessary to release spring from tool when servicing strut only.

NOTE: When replacing top spring seat or spring, make note of the position of the spring seat and spring before releasing spring from tool. Replace new strut parts in tool in the same position as the old.

STEP3: Reassembly

- A) Position the new strut within spring. Secure strut to spring with the clamp.
- B) Install piston rod nut.

NUT MUST BE FULLY ENGAGED ON PISTON ROD THREADS!

- C) Release pressure on spring. Remove the clamp. Remove strut assembly from tool.

MAINTENANCE

Attention: To avoid personal injury or damage to the product, only qualified personnel are allowed to perform repairs.

- Keep the hooks and pads free of oil and grease for a long time.
- Regularly check for wear on thrust bearings, drive screws, hooks, posts, locking pins, and slots.
- Wipe and clean the drive screws monthly.
- Regularly inspect the equipment for loose or missing components.
- Clean the thrust bearing once a year and lightly lubricate it.

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