




Safe Work Practice (SWP)

Name of Task: Wall Mounted Spring Compressor	
Department/Unit: Trades	
Personal Protective Equipment or other required equipment or other safety considerations: <ul style="list-style-type: none">• Eye protection required• Long or loose hair must be tied back or contained• No loose-fitting clothing• No jewelry, watches, rings, necklaces etc.• Protective clothing required• CSA approved safety footwear required• Mechanics gloves recommended	
Hazards: <ul style="list-style-type: none">• Pinch hazard when spring is being compressed/released.• Incorrect placement of tool could result in springs suddenly and violently releasing.• Springs could break resulting in a sudden release of stored energy withing the spring• Damaged tool, resulting in release of compressed spring• Poorly mounted tool	
Required Training	<ul style="list-style-type: none">• Successful completion of NBCC Safety Course (Work Safely or Workplace Safety Practices)• Shop safety orientation• Read and understand SWP• For students, practical demonstration and Instructor supervision required
Pre-Operational Safety Checks	<ul style="list-style-type: none">• Inspect required personal protective equipment and replace if required.• Ensure no slip/trip hazards are present in workspaces and walkways.• Make sure guards, if present, are installed and are working properly.• Faulty equipment must not be used. Immediately report suspect machinery.• Ensure tool is securely fastened to the wall• Ensure all components are in good working condition and not seized• Ensure all non-essential personal are away from the area while the tool is being used
Prohibited Activities	<ul style="list-style-type: none">• Do not Smoke (Fire Hazard)• Do not leave this equipment unattended while spring is compresses• Do not operate a damaged spring compressor• Do not place hands inside of a compressed spring
Steps to be taken to complete task safely:	
1	Wear appropriate personal protective equipment (PPE).
2	Inspect tool to ensure it is in good working condition
3	Make sure all guards are in place, properly adjusted, and secured.
4	Properly place the claws of the tool securely on the coils of the spring
5	Slowly compress the spring (Do not over compress)
6	Once spring is compressed sufficiently, remove strut mount nut and slowly release the pressure from the spring

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7	Remove and replace spring, repeat steps 4 and 5.
8	Re-install strut mount nut, thread the nut on as far as possible, then torque to specification
9	Slowly release the pressure on the spring while ensuring it is seated properly on the strut and mount
10	Remove strut from compressor and reinstall on vehicle
11	Clean up dust and debris.
	<p>If an emergency occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure.</p> <p>REPORT ANY HAZARDOUS SITUATION TO YOUR INSTRUCTOR/SUPERVISOR IMMEDIATELY</p> <p>Housekeeping</p> <ul style="list-style-type: none"> • Ensure equipment is off. • Place all materials in their proper storage areas. • Ensure the equipment is safe, clean and tidy before you leave it.
Responsibilities, Completion and Review	
<p><i>Management and workers to ensure all duties performed in accordance to training, established health and safety regulations/guidelines, policies and procedures (e.g. utilizing personal, protective equipment as per SAFE Work Procedures). Notify Manager or designates (i.e. supervisors) of all occurrences, injuries illnesses or safety and health concerns which are likely to harm themselves, co-workers, or any others who enter the premises.</i></p>	
Completed by and Date: 1/20/2020	Approved by: 
Last Reviewed / Revised by and Date: 1/26/2021	Note: This task will be monitored periodically to ensure compliance and effectiveness.

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