



Studding Winter Tires



Intent

To make sure employees can correctly perform the process of studding tires.

Audience	Service Tech and above.
Schedule	Add time for this talk into your schedule. It should only take 20 minutes.
This process will involve you demonstrating as team members observe.	
Prepare	A day ahead: <ol style="list-style-type: none">1. Review the names of the equipment utilized to properly stud a tire in Section 1.2. Pull a tire that can be studded for the demonstration. Be sure the tire has a tire sticker to identify the stud size, using both the sidewall and the sticker.3. Demonstrate how to stud a tire by following the instructions in Section 2.4. At the end of the training, ask the trainee(s) the questions in Section 3 to reinforce their understanding.
Follow up Observe team members studding tires and provide coaching as needed.	

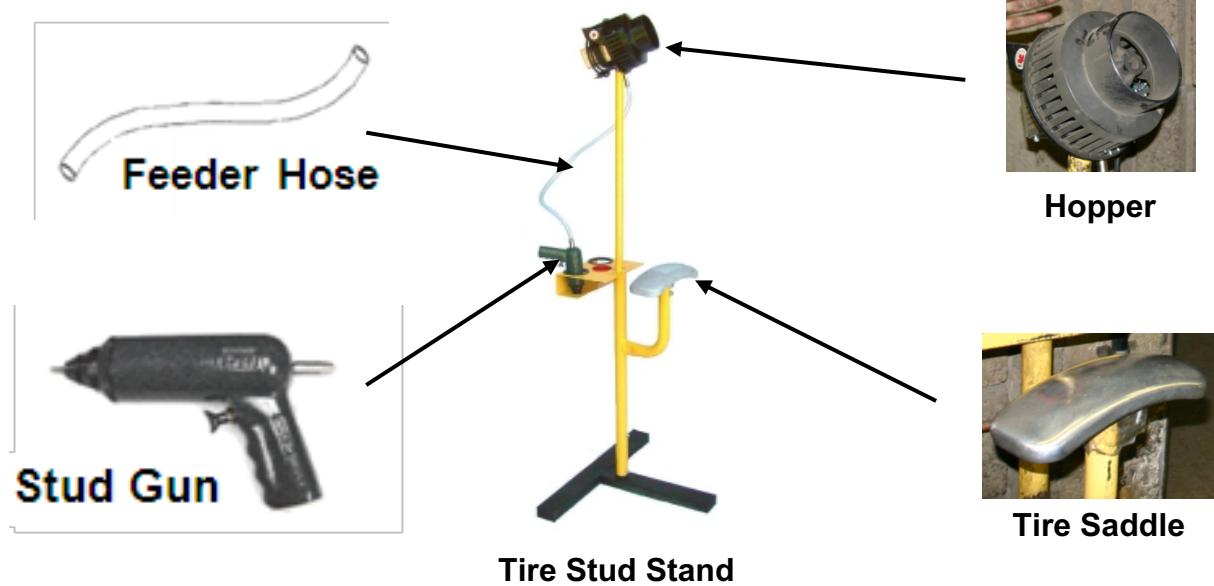
Please share these Important Safety Reminders with your team:

- Never install studs into a used tire.
- Never operate the stud gun or other equipment without wearing safety glasses.
- Do not use or attempt to repair a broken gun. Notify your manager and use another gun, if possible.



1. Know Your Equipment

Explain: Review the names of the equipment with the employee prior to demonstrating.





2. Instructions for Studding a Tire

Explain: To do our part in making sure every vehicle leaves our bays safely, follow these instructions every time you stud a tire.

1. Lift the tire onto the saddle of the tire studding stand.
2. Select proper stud size by either reading the sidewall of the tire or the sticker attached to the tire. If you cannot find the stud size, determine the stud size by measuring the hole using a tread depth gauge: 12/32" for size 12 stud, 13/32" for size 13 stud, etc. Only use the correct stud size when studding a tire.
 - Too large of a stud size may puncture the tire.
 - Too small of a stud size may not make contact with the road surface.
3. Fill the hopper with a handful of studs. The hopper will automatically load the studs in the correct position.
4. Lubricate either the tip of the gun or the stud hole to allow for easier installation.
5. Align the tip of the stud gun with the hole and firmly press in the tip.
6. Press the stud gun firmly into the stud hole of the tire.
7. Pull the trigger while maintaining downward pressure. Release the trigger and move onto the next stud hole. Be sure that the carbide pin and no more than 1/32" of the stud body is visible.
 - If too much/too little of the stud body is seen (see Figure 1) or the stud appears angled (see Figure 2), remove the stud using pliers and reinstall another stud.

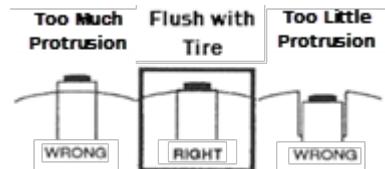
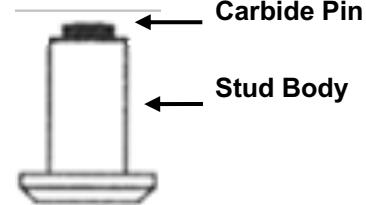


Figure 1. Stud Protrusions.

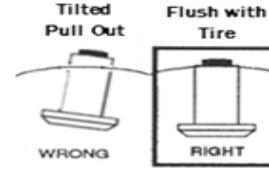


Figure 2. Angled Stud.

8. The stud gun will automatically reload the next stud after releasing the trigger. Continue to install studs until all holes on the tire are filled.
9. After you have finished studding the tire, disconnect the feed hose and empty any remaining studs back into the appropriate box.

Generally, studding winter tires is an easy task. By taking proper care, using the tools correctly, and asking for assistance when necessary, we ensure that all tires are installed properly without injury or incident.

3. How to Handle these Situations Properly

Ask the following questions:

Question 1: Where do you find the proper stud size?

Answers

On the Sidewall



On Tire Sticker





Question 2: What are the dangers of installing the wrong size of stud?

Installing a smaller stud size may not make contact with the road surface.

Installing a larger stud size may puncture the tire.

Question 3: How should you fill the hopper?

Fill the hopper with about a handful of studs. It is easier for you to add more studs later, in case you need them, than having to empty a full hopper later.

Question 4: How should the stud appear after installation?

A properly installed stud will appear flush with the tire and will not appear angled from the outside.

Question 5: What should you do if the stud gun is not working properly?

Do not continue to use that gun and, if possible, use another stud gun. Notify your manager of the broken gun. Do not attempt to fix the gun yourself.

Call to Action:

1. Ask participants to log into the LMS and complete the acknowledgment for this talk.
2. Set expectations for executing the Best Practice at the store.
3. Explain how you will support this and why you expect this to keep our customers safe.

Ask if anyone has questions. If there are questions or concerns you cannot answer, notify the Store Manager.