

BRUNO WESSEL LIMITED

INSTRUCTIONS FOR STUDDING A TIRE

NEVER OPERATE TIRE STUDDING OR OTHER EQUIPMENT WITHOUT PROPER SAFETY EQUIPMENT. SHOP APPROVED SAFETY GLASSES AND WORK GLOVES SHOULD ALWAYS BE USED FOR YOUR OWN PROTECTION.

1. Place the tire to be studded over the mandrel (Aluminum shoe) of the K-5 stand.
2. Unless the tire stud size is already identified, follow the following general guideline. Measure the depth of the hole to be studded with a tire tread depth gauge. If the measurement is $12/32"$, then the proper size tire stud is the TSMI #12. If the measurement is $13/32"$, then the proper size is the TSMI #13, etc.
3. Lubricate the hole with WATER to allow for easier installation and longer equipment life.
4. Align the tip of the stud gun (three external finger 0084) with the hole.
5. Press the stud gun assembly firmly downward inserting gun tip into the hole.
6. Depress the stud gun trigger while maintaining downward pressure, release the trigger and relieve downward pressure.

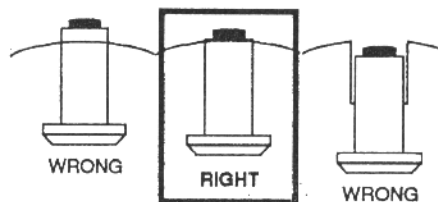
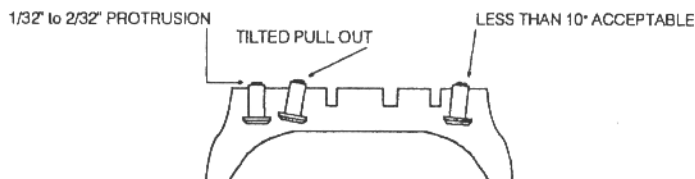
The stud gun will automatically return to the start position leaving the tire stud in the tire. The timing of steps 4, 5 and 6 are important and take some time to learn.

Helpful Hints and Recommendations:

Operate the Model 10 stud gun between 95 and 110 PSI for maximum life of the gun and internal parts.

Always inspect the common wear parts of the gun and feeder for excess wear **PRIOR** to beginning the studding procedure. **ONLY TRAINED PERSONNEL SHOULD SERVICE THIS EQUIPMENT. THE STEEL HEAD ASSEMBLY OF THE STUD GUNS IS SPRING LOADED. USE EXTREME CAUTION WHEN DISASSEMBLING.**

A properly installed stud should appear to be nearly flush with the tire surface. **Only the carbide pin and about $1/32"$ of the stud body should be visible.** Also, be sure that the stud is inserted straight into the hole. A leaning stud will not properly seat into the tire and will cause premature failure.



Advise the customer that the studded tires require require a break-in point. The customer should drive normally (try to avoid hard cornering, acceleration and braking) for a few days or so. (Approx. 50-100 miles) to allow for proper tire stud seating.

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