

IMPORTANT - PLEASE READ

BEARING & RACE INSTALLATION “TIPS”

“TIPS & OPTIONS ” to ensure tapered bearings and races are properly installed

Wheel installation - The letters stamped on the wheel need to face outward from the roller frame to be installed properly.

It is critical that races are pressed until they bottom out on the seat. If they are not, bearing failure is bound to happen. If the race is not properly installed and there is a gap between the race and bottom of the seat, a false pre-load will occur and bearing failure is imminent.

If available, take a feeler gauge 1-1000ths thick, bend the end, 90 degrees ¼” long. Now you can check the clearance between the back of the race and land. If the feeler gauge will not slide between the land and race it is bottomed out correctly. For ease of installation and to produce best results try shrinking the race and expanding the wheel:

Options for shrinking the size of a race:

Place race in a freezer, cooler of ice, dry ice or method of your choosing for approximately (½) half hour.

Options for expanding a wheel:

Heat may be applied in the following ways: Place in an oven at approximately 250-300 degrees for no longer than 10 minutes, use a halogen lamp or other method of your choosing to heat the wheel, but not so hot that it may cause damage to the aluminum alloy.

Using all safety precaution methods, remove the race and the wheel from its cold and heat source. Insert the race into the wheel. At all times, visually inspect the race to make sure it is at the bottom of the seat. Proceed with final installation of bearing. ***Remember to pack bearings with grease.***

IF FRONT OR REAR IDLERS will not turn when installed, remove the added on WEAR RING. The wear ring was designed to help eliminate snap ring groove wear on the back of the wheel. In some cases this ring needs to be removed with a standard screwdriver and a hammer because of there will not be enough clearance. In some circumstances, the location of the axle being a few thousandths either way may bind up the wheel.

The above installation “Tips” are for information purposes only. Bair Products, Inc. recommends that the customer refers to the machine’s specifications and directions for installation or repair of any parts. Bair Products is not responsible and does not warranty wheels due to improper installation of bearings and races, adjustment for lack of grease or maintenance of bearings which may cause bearing failure to the wheel or roller frame or if the above methods are used and bearing failure may still occur. Bair Products recommends installation be performed by a certified dealer or contact your dealer for detailed directions to install races and bearings.

WHEEL WARRANTY - If wheel failure occurs due to manufacturing defects, the customer may ship at their expense the failed wheel, bearings and races to Bair Products, Inc. for review. Include the name of the company the wheel was purchased from, contact number and a copy of the invoice. Bair Products will review the damage and determine if the cause of failure is due to a manufacturing defect or improper installation of parts and assemblies. Bair Products is not responsible for any type of wheel damage or failure due to bearing failure, improper installations or apparent damage to the wheel by continuous use with failed bearings still installed or extreme usage not recommended by machine specifications.