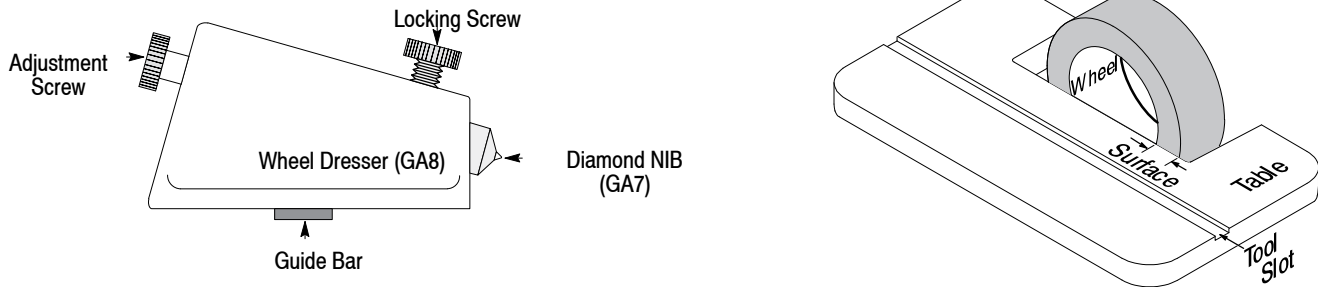


Receiving

When you receive your Wheel Dresser, there are several things you should do immediately. Do not unpack until ready for use.

1. Observe the condition of the shipping container and report any damage immediately to the commercial carrier that delivered your part.
2. Verify that the part number you received is the same as the part number listed on your purchase order.

Figure 1 Wheel Dresser Identification



Description

The wheel dresser is shown in Figure 1. The Wheel Dresser (GA8) holds the Diamond NIB at a precise 15° angle relative to the Table and at the correct height to dress the grinding wheel. The "Locking Screw" secures the NIB and maintains NIB cutting depth during each traverse (the "Diamond NIB" travels across the face of the grinding "Wheel"). The depth of cut and the traverse speed are very important to proper wheel dressing.

Caution:

Do not allow NIB to strike the wheel as damage to Grinding Wheel and NIB may occur. Be sure to adjust NIB position (depth of cut) before bringing NIB in contact with Wheel.

Operation

Procedure assumes NIB is not yet installed. To locate the "Start Position":

1. Loosen "Locking Screw".
2. Insert Diamond NIB (GA7) into Wheel Dresser and apply pressure with your finger to fully seat NIB into Dresser.
3. Tighten "Locking Screw" to hold NIB in position.
4. Place Wheel Dresser onto Table so the "Guide Bar" sits in the "Tool Slot" of the Table with the NIB facing the Wheel.
5. Slowly move the Dresser toward the Wheel but stop before the NIB touches the Wheel.
6. Press the NIB and Loosen "Locking Screw".
7. Loosen the "Adjustment Screw" until NIB clears the wheel face.
8. Tighten the "Locking Screw" to secure NIB position. This is the start position.
9. Manually traverse the Wheel "Surface" area with the NIB. Ensure that the NIB is not in contact with the wheel.
10. Turn on the grinder and allow the bearings to warm to operating temperature (a few minutes of running).
11. Traverse the wheel "Surface" with the NIB. The following are very important:
 - a. Depth of cut should not exceed 0.001" for each pass.
 - b. The speed at which the NIB crosses the Surface of the wheel at a steady, uniform rate of speed. A slow traverse gives a high finish but may glaze the wheel if too slow. A high rate of traverse may leave high spots. Only you can determine the right speed for your job.
 - c. A good sharp Diamond NIB provides proper dressing. A rounded NIB should be replaced to prevent waste of the grinding wheel. Order a spare NIB Catalog GA7 from your local Baldor District Office.

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