**QUICK START** Instructions quickly guide you through the procedure. Read the main instructions first to thoroughly understand how to use the product.

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**INSTRUCTIONS**

- Remove the existing spindle tooling and clean both the spindle mounting surfaces and the 16C Adapter mounting surfaces. (Figure 1)
- Activate the machine's Draw Bar Actuator to place the Draw Tube to its forward position. (Figure 1 & 2)
- Assemble and position the Draw Bar Adapter, (A2-5 = 2-25/32”, A2-6 = 2-11/16”) from the spindle face. (Figure 1 & 2)
- Lubricate the O.D. of the Draw Bar Adapter with Die Makers Grease. (Figure 3)
- There are three keyway slots on the O.D. of the Draw Bar Adapter. Only one will be used. Align the nearest keyway with Drive Button on the Spindle.
- Assemble the Adapter by sliding it over the Draw Bar Adapter, while aligning the Adapter Key Screw (Key 1) with the Keyway on the Draw Bar Adapter and with the machine's Spindle Drive Button.
- Assemble using the Mounting Bolts. Inch & Metric Bolts provided. (Figure 1) A2-5 = 4 Bolts A2-6 = 6 Bolts. Tighten Criss Cross with 60 Ft. Lbs. or 81N.M Torque

**QUICK START**

- Clean Parts, Spindle & Mount
- Draw Bar Forward
- Lubricate D. B. Adapter
- Align Keyway to Spindle Drive Button
- Slide Adapter on & align Key 1 with Draw Bar Adapter Keyway & Spindle Drive Button
- Bolt in place
- Remove Lock screw, Key 2, & the 3 Cap Screws
- Insert 16C Collet & tighten until Angles are mated
- Continue Tightening collet until Keyway lines up with one of the 4 holes in the Adapter
- Insert Key 2, bottom out & back off 1/4 Turn
- Lock Key 2 with Lock Screw
- Insert & Tighten 3 Cap Screws in Remaining 3 holes
- Insert Stock & Adjust Chucking Pressure

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[Continued on the reverse side]
- Make certain that the **Draw Tube** is still at its forward position.
- **Remove Lock Screw** (A2-5" only), **Collet Key Screw** (Key 2) and the 3 **Balance Cap Screws** from the Adapter.
- Thread in the 16C Spindle Tooling until the head angle is seated with the adapter's mating spindle angle.
- Continue tightening the spindle tooling (Collet) until the collet keyway lines up with the nearest of the four **Collet Key Screw** positions.
- Re-assemble the **Collet Key Screw**. Bottom the key out in the keyway and then back off 1/4 turn.
- Thread in the **Lock Screw** bottoming it out against the **Collet Key Screw**.
- Re-assemble and tighten the three **Balance Cap Screws** in the three remaining threaded holes.
- Insert Stock and adjust chucking pressure. Do not exceed 7,000 Lbs. of draw force.

**NOTE:** When the 16C tooling is installed as instructed, chips will not get between the collet angle and the spindle angle when the actuator is in the open position (Forward).

When using collets or step chucks, make certain that the workpiece can be easily loaded when the actuator is in the open position.

### Parts List: A2-5" to A2-5" 16C and A2-6" to A2-5" 16C Spindle Adapters

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>A2-5&quot; Part No.</th>
<th>Qty</th>
<th>A2-6&quot; Part No.</th>
<th>Qty</th>
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<tr>
<td>A2-5&quot; Adapter Assembly</td>
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<td>7903-00-00-000000</td>
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<td>7905-00-00-000000</td>
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<td>*Drive Button - Figure 1</td>
<td>A2-0011920</td>
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<td>A2-0011920</td>
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<td>*Button Screw - Figure 1</td>
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<td>*Key 1 (Screw) - Figure 1</td>
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<td>Collet Key Screw (Key 2)</td>
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<td>Socket Head Cap Screw</td>
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<td>*Mounting Bolt (Metric) - Figure 1</td>
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<td>MS 0104220</td>
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<td>*Mounting Bolt (English) - Figure 1</td>
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<td>Lock Screw</td>
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<td><strong>Draw Bar Adapter</strong> (Blank) - Figure 1</td>
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<td>Die Makers Grease</td>
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<td>AH0010994</td>
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</table>

* See Figure 1 on the reverse side

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**Hardinge Brothers, Inc.**
One Hardinge Drive PO Box 1507
Elmira, New York 14902-1507 USA

To Order: 800-843-8801

Phone: (607) 734-2281

Form No. 0079
Replaces: B-0066
Part No. B -0009500-0079

Litho in U.S.A.
April 1995