

B17TM

QUICK START GUIDE



PRO-CUT
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1B17
BENCH LATHE

B17TM

QUICK START GUIDE

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B17 SET-UP FOR STANDARD PACKAGE

Follow Steps and Scan QR Codes for Corresponding Videos.

1. Remove packaging from wooden crate containing 50-4400 and remove all items from drawers.
2. Install the mobile cart handle on the right end of the cart.
3. Carefully remove the cart from the pallet
4. Remove wood top and sides of B17 lathe crate, plastic bag, and extra cardboard.

SCAN ME!



5. Remove 5 bolts holding lathe to pallet. Install 3 lifting eye bolts and attach the 49-4020 lifting chain. The 2 short lengths attach to the top eye bolts, and the long chain secures to lower eye bolt to keep the lathe level during lifting.



Insert Lift Eyes (5A / 5B). Add a rag behind lift chain to pad ways.

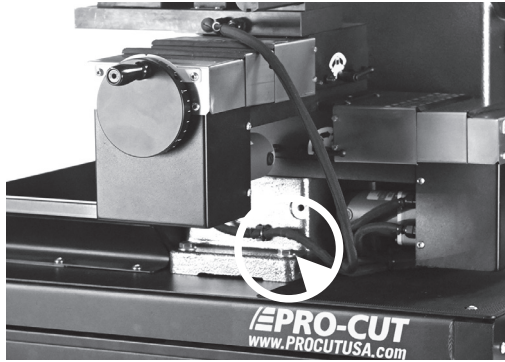


B17 49-4020 Lift Chain



6. Lift the B17, using a 2 ton engine hoist and 2 people. Before lifting be certain none of the chains are arranged in a way that will cause damage to the lathe.





7. Roll the mobile cart under the lifted B17 and line up the bolt holes on the lathe to the top of the mobile cart. Lower the lathe slowly until 1/4" off cart top and start screws by hand. Land the lathe and tighten screws securely.



8. Remove the 3 screws w/washers already installed on the top center of the lathe body. Install command module with the 3 screws. Find the 2 connectors for rear of command and carefully plug them into their corresponding port on the back of the command module. Be certain to use foam gasket provided with multi-pin connector.



Installing 3 Screws



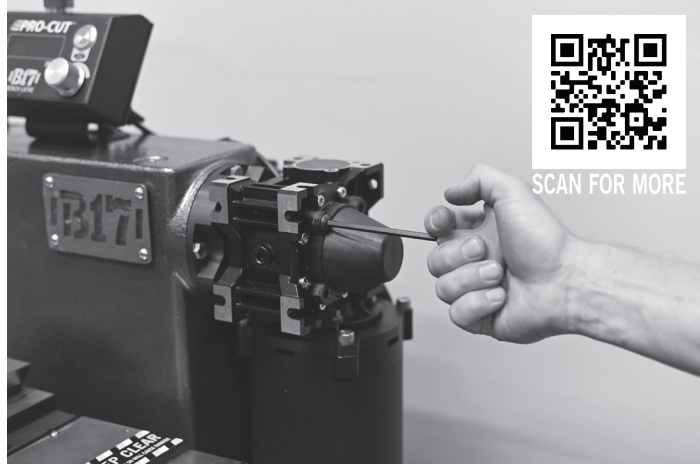
Connecting Command Module

****WARNING: DO NOT PLUG IN COMMAND MODULE CONNECTORS WHEN AC POWER IS PLUGGED IN.***

9. Find and install the handles for the disc and drum axis cranks.



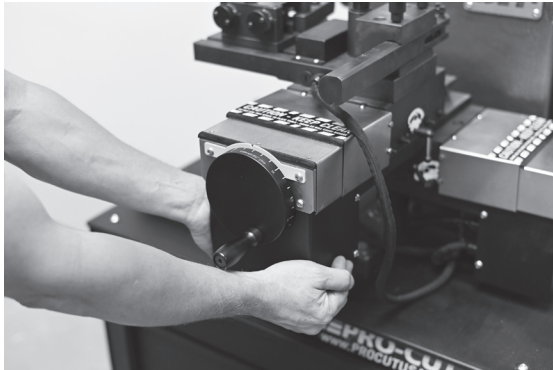
Installing Crank Handles (9)



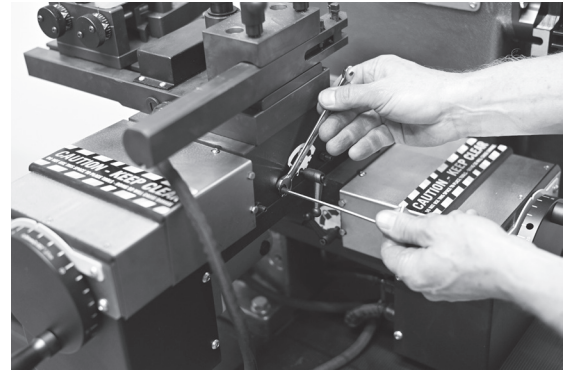
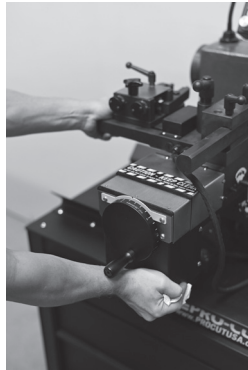
Removing 4 x 5mm Bolts (10)

10. Remove 4 bolts that attach draw bar nut end cover (5mm hex)

11. Check both disc and drum axis ways for any looseness by trying to wiggle each of the gear boxes side to side and up and down. Adjust gib ways as necessary to achieve a snug gib with smooth action when either crank handle is turned.



Checking disk and drum axis for looseness



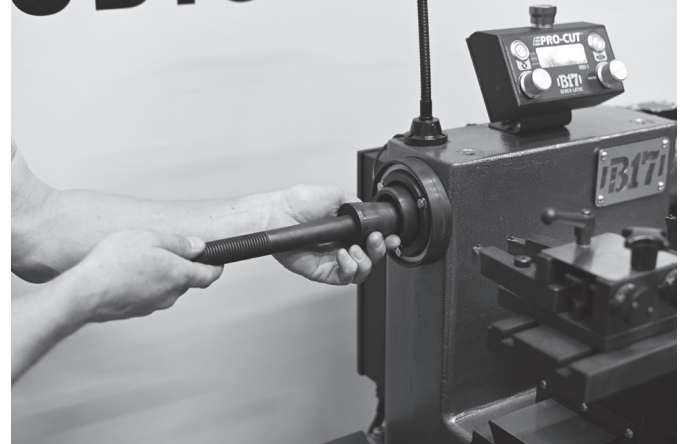
Adjusting the Gib ways

11. (Continued) Oil the ways with 50-376 way oil provided.



Apply 50-376 Way Oil accordingly

12. Carefully remove arbor and drawbar from the packaging. Using a clean cloth, wipe the tapered end of the arbor and the receiver hole on the lathe, and inspect for any burrs or shipping damage. Use Scotch-Brite to clean the tapered end if needed.



13. Screw the drawbar into the end of the arbor until it is tight. Carefully send the drawbar through the lathe until the threaded section of the drawbar protrudes through the other end of the lathe and the tapered end is fully landed. If there is a match mark, be certain to reference that point.





14. Use an open end wrench on the flats at the end of the spindle to hold the spindle from moving. Then use a torque wrench and torque the 36-4005 drawbar nut to 30 lb-ft.



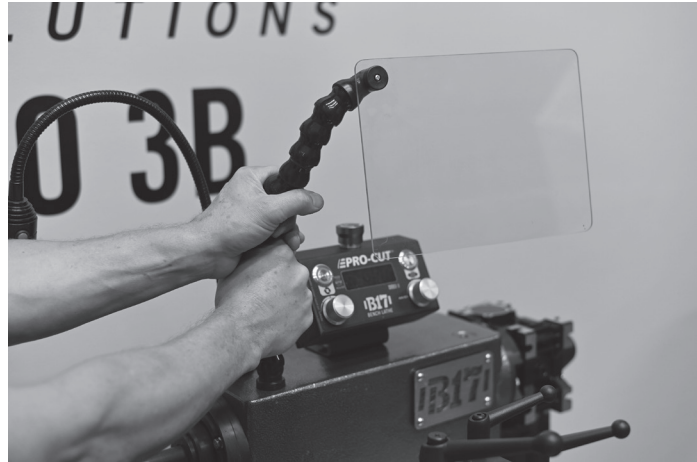
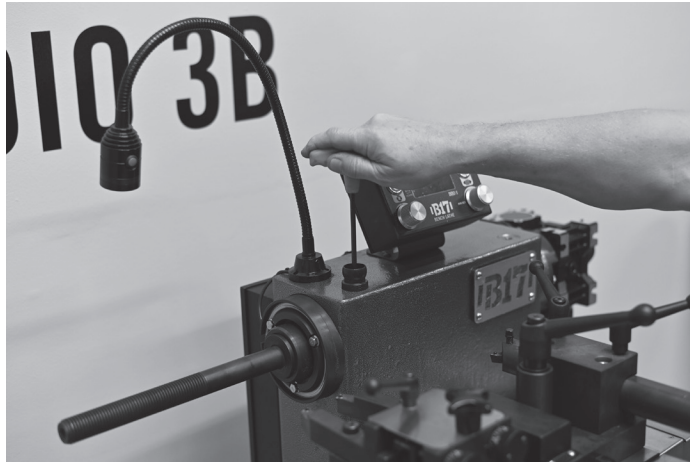
15. Use a roller tip dial indicator to measure the lateral motion of the arbor as close to threads of arbor as is possible. The roller tip should be perpendicular to the arbor shaft and centered. If the lateral run-out (LRO) is above .001", loosen drawbar nut and change arbor position until desired run-out is achieved and re-torque to 30 lb- ft.

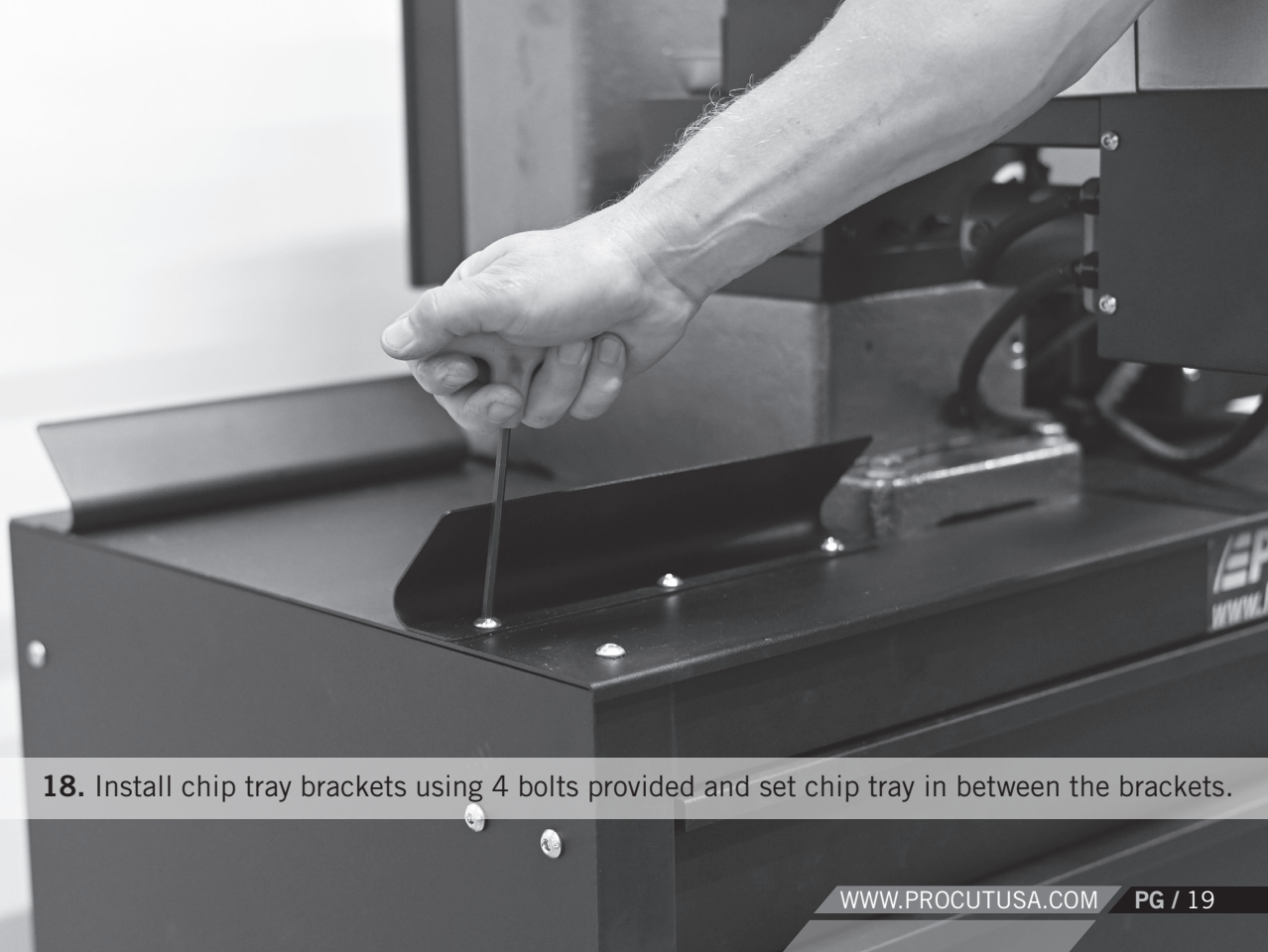


16. Once the arbor LRO is correct, reposition your dial indicator tip to the arbor base. Spin the spindle on slow speed and observe reading. There should be .0005" or less at the arbor base. If run-out is excessive, clean base face with Scotch-Brite or fine sandpaper until .0005" or less is achieved. Contact Pro-Cut's service dept if you are unable to reduce LRO to within specification: 1-800-543-6618 ext. 2



17. Install the 50-4745 chip guard by first screwing in threaded insert into hole to the left of the command module. Then screw plastic base piece down with bolt. Click the plastic joints together to mount the chip guard to the base





18. Install chip tray brackets using 4 bolts provided and set chip tray in between the brackets.

19. Open the rest of the loose parts and arrange in drawers - accessories in top drawer, black adapters in foam in middle drawer, and Quick-Chucks or other accessories in bottom drawer



20. Perform pre-test: Power up the lathe and check that all functions are working on the command module. While doing that record DRO readings, and be certain the maintenance alert is set to the customer's preference. Check that the arbor light is working properly when Quick-Pivot plate is switched between rotor and drum modes.

21. Chuck a rotor up to the machine and make a pass to confirm cut quality and LRO.



MAINTENANCE SCHEDULE

BRUSH CLEAN DAILY

- Empty Chip Tray
- Arbor
- Gearbox Rails
- Slide Plate
- Cutting Head

INSPECT WEEKLY

- Power Cord
- Cutting Tips/Screws
- Cutting Head Arm Adjustment
- Gear Box Ways - Lubricate

MONTHLY MAINTENANCE

- Drawer Slides - Inspect
- Cart Wheels / Locks - Inspect
- Cones and Adapters - Inspect
- Gear Box Way Covers - Inspect
- Feed Screw / Lead Nut - Lubricate
- Arbor Position - Verify with Dial Indicator
- Gib Adjustment - Both Disc and Drum

YEARLY

- Contact Pro-Cut Service Department

QUESTIONS?

- Contact the Pro-Cut Service Department
at 1-800-543-6618 / Prompt #2



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