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INSTALLATION INSTRUCTIONS FOR MODEL J AUTOMATIC SANDBLASTER

INSTALLATION PARTS

1. Model J Automatic Sandblaster
2. Bottom rubber seal attached to 3" formed angle panel
3. Hook for sandhose support
4. Spring for sandhose support
5. ½" soft copper tubing and brass fittings for compressed air connection
6. Three floodlight lamps
7. Two sandhose quick couplers
8. ¼" bolts (metal booth) or lag screws (wood booth) for attaching panel to booth
9. Sheet metal screws for attaching bottom rubber seal and light fixtures
10. Installation instructions & Operating and maintenance instructions

STEP #1

- Remove sides and top of crate and inspect for shipping damage.
- Remove miscellaneous extra parts from crate leaving only bottom of crate to support panel.
- Review list of parts shown on page 1 of these instructions to assure that all necessary items are received.

STEP #2

- After clearing away old sandblast curtain, move panel near sandblast room. If necessary to lift panel, use temporary lifting cable attached to the top of machine.
- Remove temporary mounting bolts from two light fixtures on inside face of panel.
- Remove bottom of crate so panel can be pushed against sandblast room.
- Raise panel to height where operator can observe blasting work through center of viewing screen. This height is normally at least 6" above floor.
- Use lifting cable or two auto bumper jacks to raise panel. If using bumper jacks, place one near each end of bottom horizontal angle. This will prevent bending of angle. (See *Point "A" on Installation Diagram.*)

STEP #3

- Check inside of blast room for conflicts. Moving carriage should have enough clearance for abrasive build-up on floor. Allow enough space at top to change rubber seals.

STEP #4

- Square and level panel on room front. Use bolts (metal room) or lag screws (wood room) through end frame angles to loosely fasten panel to room. (See *Point "B" on Installation Diagram.*) Allow panel to remain loosely secured until next step is finished.

STEP #5

- Place quick coupler end of sandhose through bottom opening.
- Place bottom seal under sandhose.
- Adjust position of bottom seal to provide same spacing as top seal.
- Screw bottom seal to room. If necessary, use lumber to fill in extra space at top or bottom of room front.
- Tighten all mounting bolts or screws.
- The bottom rubber seal flaps may be cut around the sandhose to minimize gap caused by hose.

STEP #6

- Remove temporary lifting cable.

STEP #7

- Connect compressed air supply to air shutoff hand valve with brass fittings and copper tubing provided. (See Point "C" on Installation Diagram.)

STEP #8

- Plug electrical cord into a grounded 120v outlet.

STEP #9

- Install sandhose support hook in ceiling of sandblast room near end that sandhose enters. Locate hook at a point about 12" from front of room and about 12" from end of room.
- Loop support spring around sandhose and place both ends of spring over ceiling hook.
- Test location of hook by moving horizontal and vertical carriages to the limits of their travel. Watch sandhose movement to guard against snagging and adverse twisting.



STEP #10

- Connect end of sandhose to generator.
- Locate quick coupler connection about 18" from generator. Eliminate as many sharp turns as possible for longest wear.

STEP #11

- Screw two stationary floodlight fixtures in corners of blast room. Adjust position of fixture nearest sandhose so hot lamp will not burn hose.

STEP #12

- Adjust vertical position of nozzle trolley by sliding the cable through the clamp located at *Point "D"* on Installation Diagram. This cable adjustment allows 30" vertical working height anywhere within 55" vertical span.

NOTE: If your machine is equipped with the optional extended vertical motion, disregard step 12.

STEP #13

- With nozzle installed, check nozzle holder for straight alignment. Adjust mounting bolts if necessary.
- Use caulking to seal cracks around inside face of panel to eliminate sand leaks.
- Grease all wheels until you see it squeeze out on both sides so dust cannot get into the bearings. The wheels inside the blasting booth need the most grease. Re-grease monthly at minimum or more often if the machine runs continuously.
- Refer to *Operation Instructions* for start-up. After start-up, check panel for air or oil leaks.

**This completes the installation process for the Model J Automatic Sandblaster.

INSTALLATION DIAGRAM

