



Weld Test Station Instruction Manual

MNL-PRO-WTS-11 Ver. 1.2



About Pro Spot

Pro Spot International specializes in quality welding and repair products for the collision repair industry. Pro Spot owns numerous patents for special welding equipment and applications, and works with the largest auto manufacturers in the world. Pro Spot is a proud 'MADE IN THE USA' manufacturer in Carlsbad, CA. The turnkey facility includes Design, Engineering, Machine and Sheet Metal Shops, Powder Coating, Assembly, Training and Customer Support. The Pro Spot equipment line includes resistance spot welders, aluminum & steel dent repair systems, pulse MIG welders, rivet guns and tools, dust-free sanding systems, fume extraction and more.

Pro Spot Training and Services

Pro Spot provides on-going training to all of our distributors and their technicians, therefore, all owners of Pro Spot products receive complete training first hand. Pro Spot has two ASE certified training programs that are I-CAR Alliance approved. Pro Spot has a fully equipped training facility at their Headquarters in Carlsbad, CA, as well as in Nashville, TN, and Denver, CO, for groups to come in and train on all products. To stay up-to-date, Pro Spot offers their unique my.prospot.com which includes interactive training courses for shops and technicians to access online.

Pro Spot is constantly striving to improve. Whether that means designing innovative equipment, implementing cutting edge technical support or further improving their already extensive training programs, Pro Spot is always looking for ways to better our customer's experiences.



PRO SPOT

QUALITY WELDING SYSTEMS

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1.1 ABOUT WELD TEST STATION

With the advanced materials being used during vehicle production such as HSS and UHSS, destructive testing is a must in the collision repair industry to ensure proper and safe repairs. Performing a destructive test prior to actual repair helps ensure that the weld settings are correct and the welder is functioning properly. By implementing mandatory weld tests in your shop, you will be ensuring that your technicians possess the skills to weld safely and efficiently.

The correct operation of this equipment is subject to the correct connection of the different parts that make it up.

These operations must be carried out by trained and experienced personnel.

The manufacturer is not responsible for the safety of the equipment if the instructions for use, maintenance and repair in this manual are not followed, or if the equipment is used for other purposes.

The PRO-WTS-11 system is simple to learn, easy to use, safe and very efficient.



Ensure to utilize the suggested equipment at all times to avoid any potential damage or malfunctions.

Strictly adhere to the designated functions outlined in our manual and website; avoid using the stand for any other purposes.

Avoid utilizing substitute parts; in case of replacement requirements, reach out to the manufacturer for authentic replacement parts.

1.2 OPERATING WELD TEST STATION

All the following operations must only be carried out by trained and qualified personnel.

Failure to comply with the instructions below or tampering with the pneumatic connections, exempts the manufacturer from any liability for non-compliance or damage caused by malfunctioning of the equipment.

Tilt the unit onto its rear wheels to roll it to the intended work area.



Be sure to tighten the knob to prevent the boom from swinging.

Loosen the Lock Knob to raise, lower and pivot the Boom.



Hold the vertical Boom Riser post securely before loosening the knob to prevent the boom from dropping suddenly.

Loosen the Thumbscrew on the Workpiece Holder to slide and rotate it into desired position on the Boom.

Please consult the manufacturer (OEM) and/or I-CAR welding test instructions for detailed procedures on weld tests and criteria for destructive testing.

2.1 WELD TEST STATION COMPONENTS



- | | |
|---------------------------------|---|
| A. Center Post | I. Work piece holder |
| B. Boom | J. Locking plier |
| C. Boom Riser | K. Metal gauge tool |
| D. Vise | L. Snap hook & Nut plate & Screw (same as bagged parts) |
| E. Hook | M. Slider sleeve |
| F. Knob | N. Assembly instructions Base |
| G. Bucket and mounting hardware | O. Base |
| H. Caliper | P. Work Table |

2.2 TOOLS FOR ASSEMBLY (NOT INCLUDED)



1. Open end wrench, 9/16"
- 2-3. Open end wrench, 1/2"
4. Open end wrench, 7/16"
5. Phillips Screwdriver
6. HEX Wrench, 5/16"

3.1 ASSEMBLY INSTRUCTIONS

1. Base Plate Assembly

Insert 2" diameter pipe into base flange. Tighten bolts securely using 9/16" wrench.



2. Knob Assembly

- a. Insert sleeve into table top flange, align holes.
- b. Thread in the knob until it locates hole in sleeve.
- c. Place table bottom flange over 2" pipe. Position and hold the table level while using a 5/16" hex wrench to tighten the set screw until solidly secured.



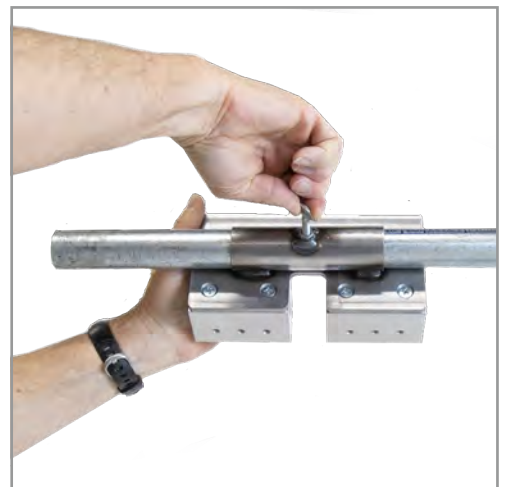
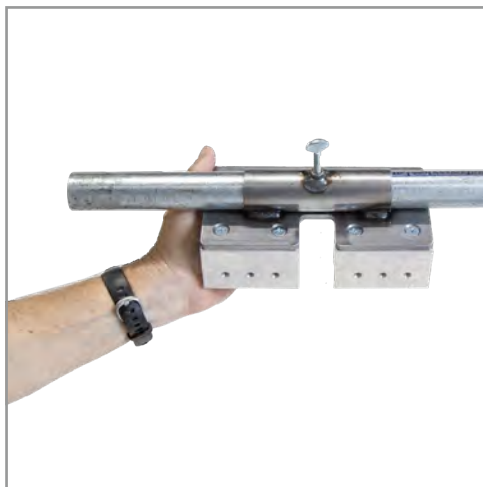
3. Assembly of Boom

- a. While keeping clevis pin hole aligned, insert pipes into elbow. Insert clevis pins.
- b. Insert retaining clips into clevis pins as shown and tighten nuts securely using 7/16" wrench.



4. Workpiece Holder

- a. Back Thumb screw out enough to allow boom to slip into tube.
- b. Hold Work piece in desired location and tighten thumb screw.



5. Attach Vise

- Place vise over correct 3-hole pattern.
- Install bolts, washers and nuts as shown.
- Tighten securely using 1/2" wrench.



6. Install Tool Holder

Use the license plate nuts and screws to install the Tool Holder.



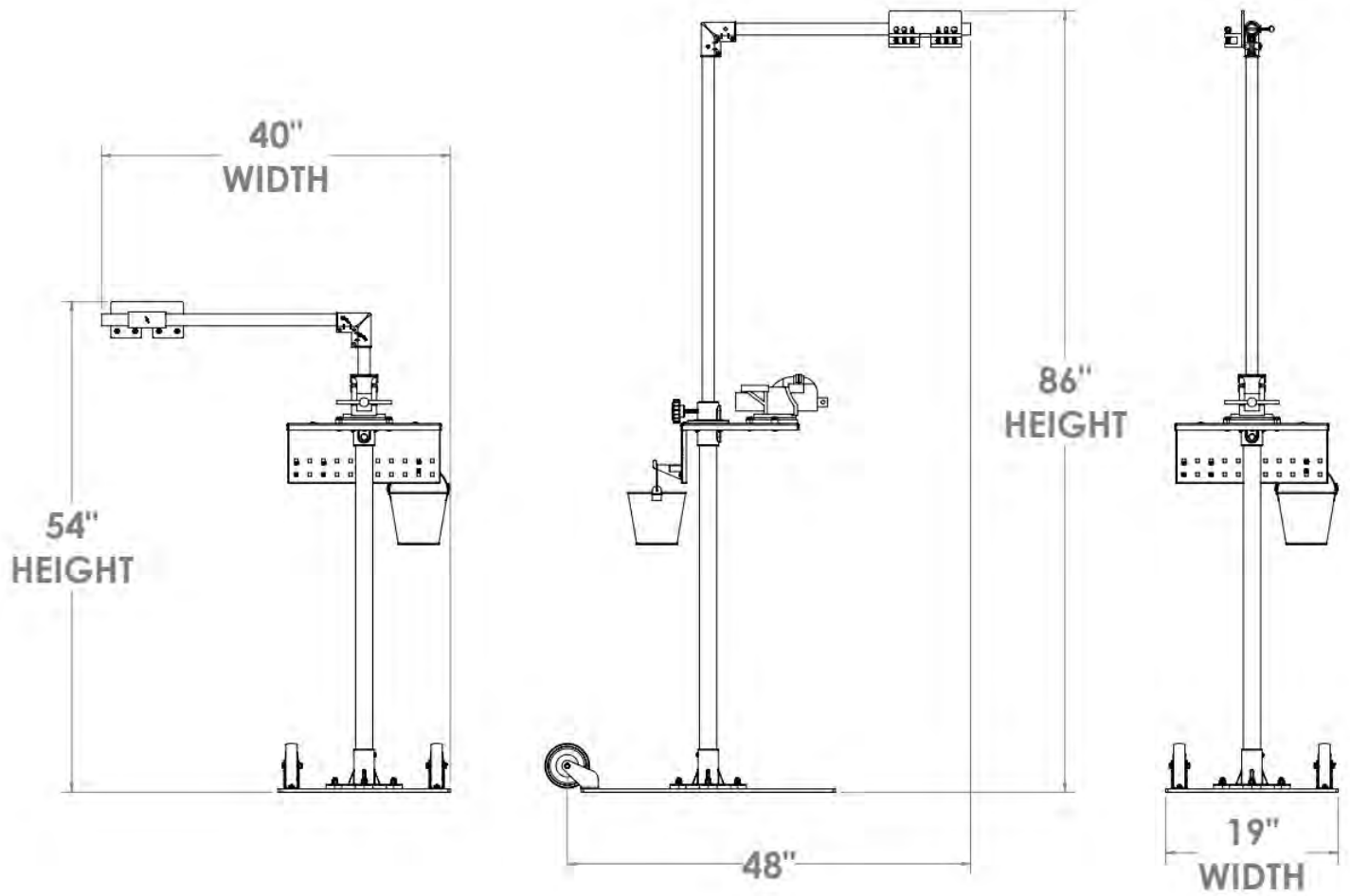
7. Install Bucket

- Install the hook using the provided hardware (similar to step 6).
- Hang the bucket.



All maintenance and repair work must be carried out by trained personnel who have read this manual and the operating instructions.

4.1 PRO-WTS-11 DIMENSIONS





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