

UMS Pinchweld Stands

USERS MANUAL



The Universal Measuring System (UMS) pinchweld stands are easily installed and adjusted. The equipment in the system not only secures a wide variety of vehicles to a mainframe but also positions vehicles at correct height for UMS usage.

IMPORTANT: The components of this system are manufactured to close tolerances to maintain proper fit of parts and datum height. Handle all components carefully and when not in use, store them to avoid accidental bending or twisting.

When using this holding equipment, follow these guidelines to ensure correct placement of stands and clamps:

1. Position clamp mounts on top of mainframe directly below the ends of the vehicle's rocker panels. The mounts must be installed as shown in Figure 1.
2. Each clamp mount's non-adjustable mounting bracket

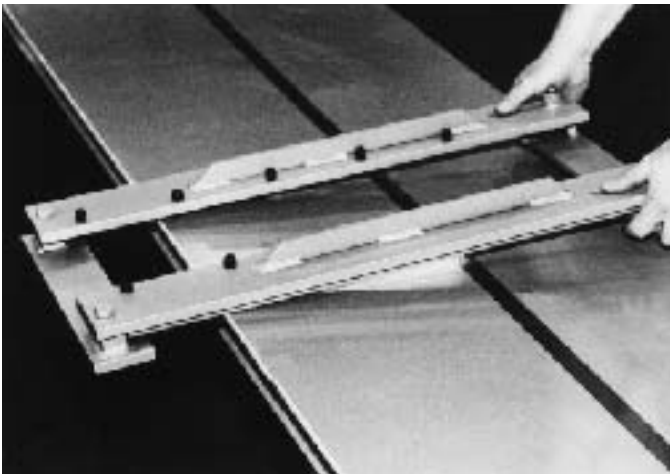


Figure 1

must engage inner edge of mainframe and the adjustable clamp half (outer) must engage outer edge of mainframe. (See Figure 2.) Slide adjustable clamp half in as far as possible making sure it engages outer edge of mainframe. Then secure the bracket's bolts...snug only at this time!

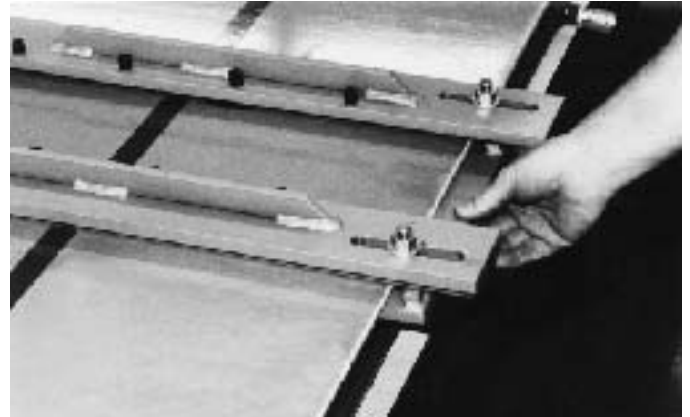


Figure 2

3. Slide anchoring stand (with clamps) into clamp mount and position at desired location. (See Figure 3.)
4. Inspect inside of pinchwelds for fuel lines, brake lines, or other items which may interfere with placement of

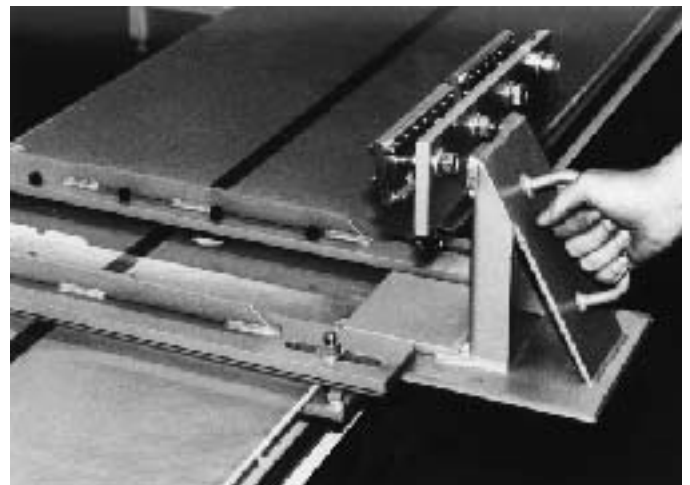


Figure 3

clamps. Remove undercoating from pinchweld.

5. Work on one side of vehicle at a time starting with least damaged side first. Raise vehicle high enough to remove wheels and position clamps under the pinchweld.
6. Lower vehicle until rocker panel pinchweld fits into the clamps.

IMPORTANT: Bottom surface of rocker panel must be firmly against top surface of clamps.

7. Tighten clamp jaw bolts. (Torque to 100 foot pounds maximum.)
8. Tighten adjustable clamp half bolts. (Torque to 100 foot pounds maximum.)
9. Tighten clamp mount hex socket set screws. Tighten snug only!
10. Repeat steps 1-9 on opposite side of vehicle.

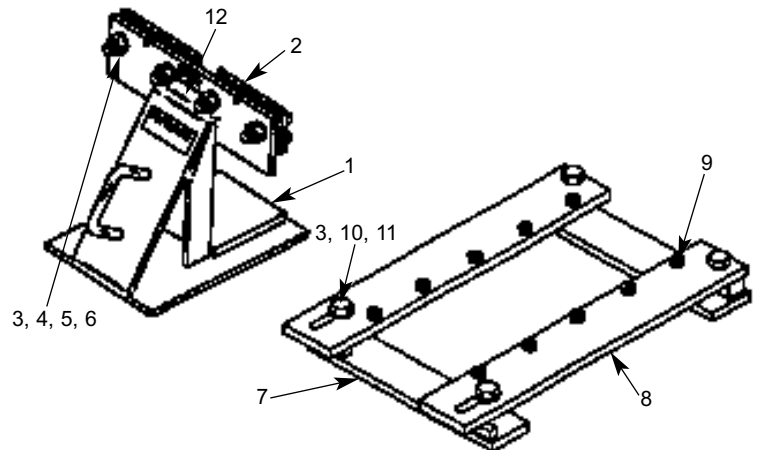
Ref.	Part No.	Description
1	498101	Clamp (anchoring stand)
2	498102	Pinchweld standard jaw
3	019095	Washer, 1/2
4	620736	Hex nut, 1/2, Gr. 8
5	010630	Bolt, 1/2 x 2-1/2, HHCS, Gr. 8
6	092110	Spring, SS #LC-055L-3
7	328104	Clamp half (outer)
8	npn	Clamp mount
9	011640	Socket set screws, 1/2 x 1
10	018073	Hex nut, 1/2, Gr. 8
11	010632	Bolt, 1/2 x 3, HHCS, Gr. 8
12	090754	Decal, tighten to 100 ft./lb. max.

Parts Information

To order replacement parts for UMS Pinchweld Stands, contact Chief Automotive Technologies, Inc., 1-800-445-9262. If located outside the United States, contact nearest Chief Automotive Technologies, Inc. representative.

When contacting Chief Automotive Technologies, Inc. by telephone or mail, provide the following information: name, name of shop, shop telephone number, shop address, description of part(s), part number(s), method of payment and shipping charges.

NOTE: Chief Automotive Technologies, Inc. reserves the right to alter product specifications and/or package components without notice.



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Attn: Returned Goods Dept.
1924 E. Fourth St.
P.O. Box 1368
Grand Island, Ne. 68802
308-384-9747

or

Your Authorized
Chief Automotive Technologies, Inc.
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P.O. Box 1368

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