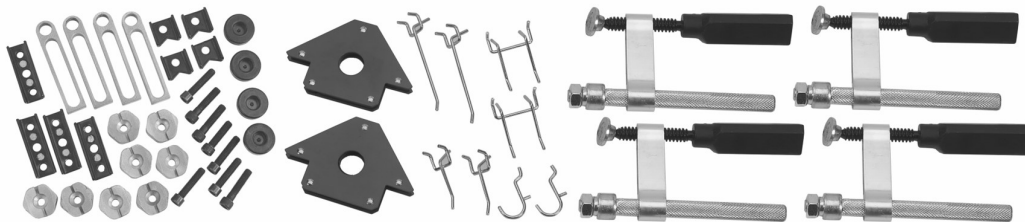


KLUTCH®

Mobile Welding Workstation

Owner's Manual



⚠ WARNING: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Item #102885

READ & SAVE THESE INSTRUCTIONS

Thank you very much for choosing a Klutch® product!

For future reference, please complete the owner's record below:

Serial Number/Lot Date Code: _____

Purchase Date: _____

Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This welding table and kit is designed for certain applications only. Northern Tool & Equipment is not responsible for issues arising from modification or improper use of this product such as an application for which it was not designed. We strongly recommend that this product not be modified and/or used for any application other than that for which it was designed.

For technical questions, please call **1-800-222-5381**.

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Intended Use

The Klutch® Mobile Welding Workstation gives you a steady, flame-proof steel surface for welding parts and components. The table is designed for conductivity so you can connect your welding clamp directly to the welding table, safely out of the way of slag and spatter. The movable and fixable Caster (18)s allow you to move the workstation to the work and have a steady surface on which to weld.

Packaging Contents

Primary Parts

- Tabletop (1)
- Long Brace (2)
- Metal Pegboard (1)
- Cart Base (9) (1)
- Short Brace (1)
- Handle (1)
- Legs (4)
- Tool Holder (1)

Wheel Hardware

- M8x25 Bolt (16)
- M8 Washer (16)
- M8 Lock Washer (16)

Cart Hardware

- M6x15 Bolt (20)
- M6x12mm Washer (24)
- M8 Washer (8)
- M6x17mm Washer (16)
- M8x35 Bolt (8)
- M6 Lock Nut (20)
- M8 Lock Nut (8)

Pegboard Accessories

- Double Arm Hook (2)
- Small Hook (2)
- 4" Single Arm Hook (2)
- 2" Single Arm Hook (2)

Workholding Accessories

- Insert Clamp (4)
- V-Block (8)
- M10x45 Bolt (8)
- Stop Bar (4)
- V-Block Spacer (4)
- M12 Nut (4)
- Stop Bar Cover Plate (4)
- Magnetic Threaded Adapter (4)
- Welding Magnet (2)

Technical Specifications

Property	Specification
Table Dimensions	40 in. L x 24 in. W
Maximum Weight Capacity	600 lb.
Workstation Height (with Casters)	36" H

Important Safety Information

⚠WARNING

- Read and understand all instructions. Failure to follow all instructions may result in serious injury or property damage.

- The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using this tool. Always be aware of the environment and ensure that the tool is used in a safe and responsible manner.
- Do not allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.
- Do not modify this product in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- Use the right tool for the job. DO NOT attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will be a safer experience and do the job better at the capacity for which it was intended. DO NOT use this equipment for a purpose for which it was not intended.
- Industrial or commercial applications must follow OSHA requirements.

⚠WARNING

WORK AREA SAFETY

- Inspect the work area before each use. Keep work area clean, dry, free of clutter, and well-lit. Cluttered, wet, or dark work areas can result in injury. Using the product in confined work areas may put you dangerously close to cutting tools and rotating parts.
- Keep children and bystanders away from the work area while operating the tool. Do not allow children to handle the product.
- Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area. Some of these hazards may be hidden from your view and may cause personal injury and/or property damage if contacted.

⚠WARNING

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating tools. Do not use tools while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating tools may result in serious personal injury.
- Dress properly. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Wear the proper personal protective equipment when necessary. Use ANSI Z87.1 compliant safety goggles (not safety glasses) with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.
- Do not overreach. Keep proper footing and balance at all times.

⚠CAUTION

TABLE USE AND CARE

- Products are safer and do a better job when used in the manner for which they are designed. Plan your work, and use the correct product for the job.
- Check for damaged parts before each use. Carefully check that the product will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the product with a damaged part.
- Store the product when it is not in use. Store it in a dry, secure place out of the reach of children. Inspect the tool for good working condition prior to storage and before re-use.
- Use only accessories that are recommended by the manufacturer for use with your product. Accessories that may be suitable for one product may create a risk of injury when used with another tool. Never use an accessory that has a lower operating speed or operating pressure than the tool itself.

Specific Operation Warnings

⚠WARNING

- Always wear the proper protective equipment including ANSI Z87.1 compliant eye protection, a welding helmet, and welding gloves.
- Do not exceed the rated load capacity of 600 lb.
- Never sit or stand on the welding table.
- Use only on a level, hard surface.
- Inspect before each use. Do not use if parts are damaged.
- Keep the table clean for optimal performance. Wipe away dust and debris from the table top and legs.
- Not for use by or around children.
- Before moving the welding workstation, be sure all loose objects are removed from the table and the path is clear. Loose objects and obstructions can cause damage and/or injury.

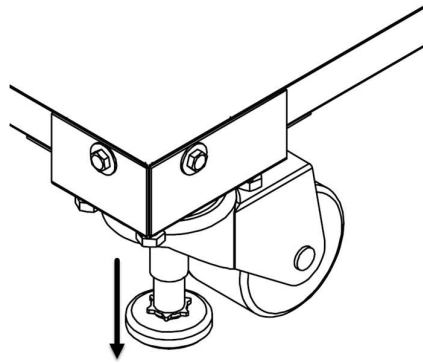
Tools Required for Assembly

- 14mm Combination Wrench (9/16")
- 13mm Combination Wrench (1/2")
- Two 10mm Combination Wrenches

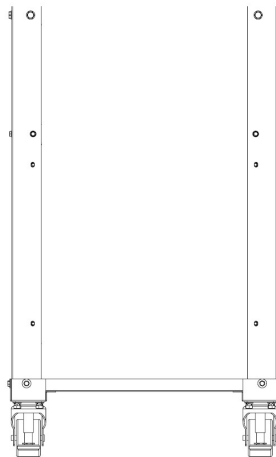
Assembly Instructions

To assemble configuration, follow these instructions.

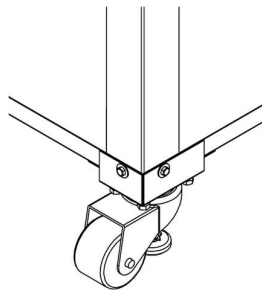
1. Lay the Cart Base (9) upside down on a work surface. Attach each Caster (18) to the Cart Base (9) using four M8x25 Bolts (16), four M8 Lock Washers (17) and four M8 Washers (19). Tighten securely using a 14mm Combination Wrench.
2. Unscrew the feet attached to each Caster (18) so that the foot extends out past the Caster (18), then place the Cart Base (9) on the ground so that the feet make contact with the ground and the base is stable. The Cart should not be mobile until assembly is complete.



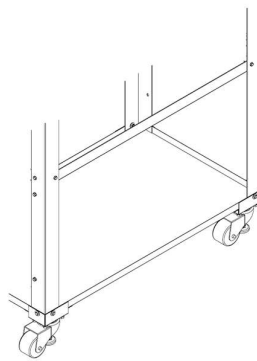
3. *****Important – lay out the Legs (2,3) before attaching! Each Leg (2,3) has one side with holes drilled 2-1/2” apart. This side should be on the short side of the Cart. The bottom of each Leg (2,3) has an vertical hole and the top of the Leg (2,3) has a horizontal hole. The closely spaced holes should be closer to the top of the Cart.***



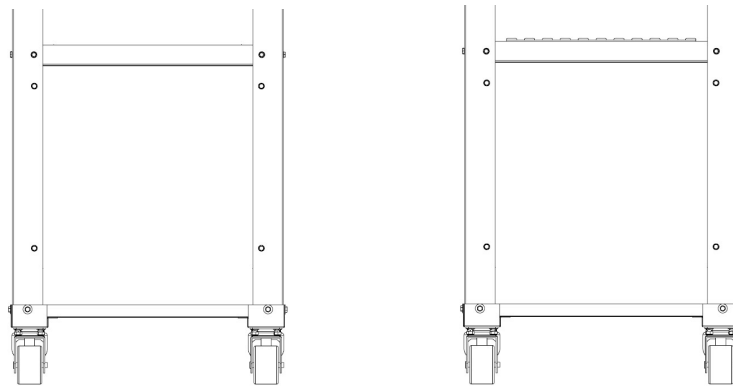
4. Attach the four Legs (2,3) to the inside of the Cart Base (9) using two M6x15 Bolts (13), four M6x17mm Washers (10), and two M6 Lock Nuts (15) per Leg (2,3). Loosely tighten these Bolts using two 10mm Combination Wrenches.



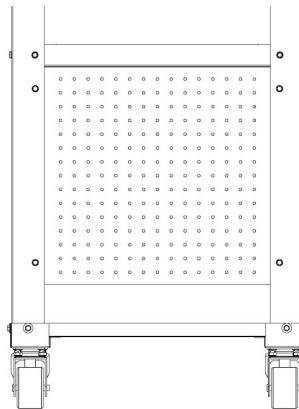
5. Install the Long Braces (4) between the Legs (2,3) using two M6x15 Bolts (13), four M6x12mm Washers (14), and two M6 Lock Nuts (15) for each Long Brace. Note that the horizontal part of the Long Brace (4) should be on the bottom so that the Long Brace (4) creates an L shape. Loosely tighten these bolts using two 10mm Combination Wrenches.



6. Install the Tool Holder (5) and the Short Brace (7) between the Legs (2,3) using two M6x15 Bolts (13), four M6x12mm Washers (14), and two M6 Lock Nuts (15) for each. Note that the horizontal part of the Short Brace (7) and the Tool Holder (5) should be on the bottom so that the piece creates an L shape. Loosely tighten these bolts using two 10mm Combination Wrenches.



7. Install the Metal Pegboard (8) between the Legs (2,3) underneath the Short Brace (7) using four M6x15 Bolts (13), eight M6x12mm Washers (14), and four M6 Lock Nuts (15). The Metal Pegboard (8) should be placed on the inside of the Legs (2,3) and fit just underneath the Short Brace (7). Loosely tighten these bolts using two 10mm Combination Wrenches.



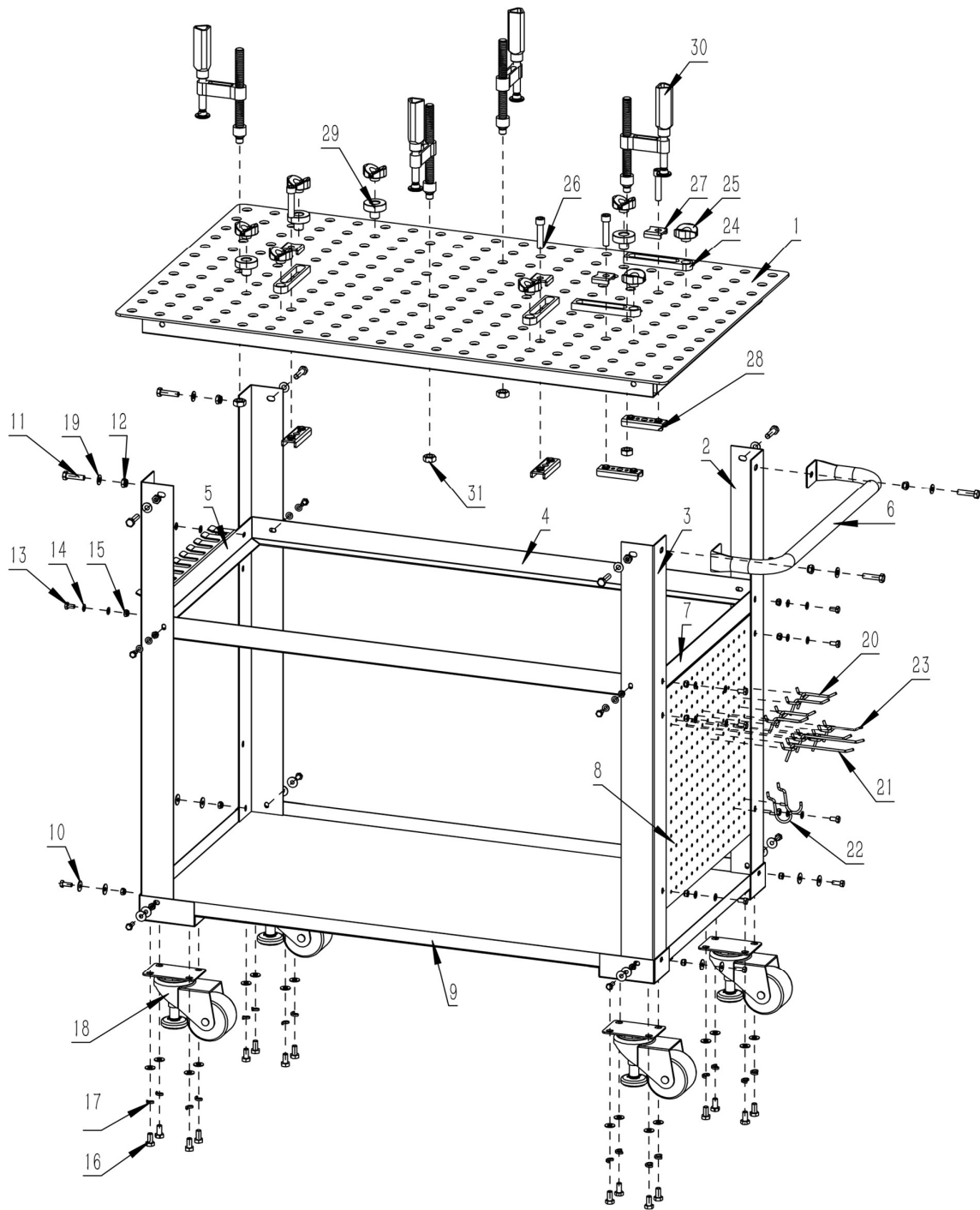
8. Check to make sure the Cart Base (9) is stable and not mobile. With assistance, lift the Tabletop (1) onto the four Legs (2,3). The Legs (2,3) should fit around the outside of the brace welded to the bottom of the Tabletop (1).
9. Attach the Tabletop (1) to the Legs (2,3) along the long side of the cart using four M8x35 Bolts (11), four M8 Washers (19), and four M8 Lock Nuts (12). Loosely tighten these bolts using a 14mm Combination Wrench for the M8x35 Bolts (11) and a 13mm Combination Wrench for the M8 Lock Nuts (12).
10. Select which side you would like to have the Cart Handle (6) installed (over the Tool Holder (5) or over the Metal Pegboard (8)). Install the Cart Handle (6) by using two M8x35 Bolts (11), two M8 Washers (19) and two M8 Lock Nuts (12) through the Cart Handle (6), Leg (2,3), and Tabletop (1). Loosely tighten these Bolts using a 14mm Combination Wrench for the M8x35 Bolts (11) and a 13mm Combination Wrench for the M8 Lock Nuts (12).



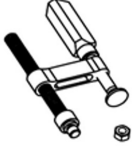




11. Attach the Tabletop (1) to the Legs (2,3) along the short side of the cart using two M8x35 Bolts (11), two M8 Washers (19), and two M8 Lock Nuts (12). Loosely tighten these bolts using a 14mm Combination Wrench for the M8x35 Bolts (11) and a 13mm Combination Wrench for the M8 Lock Nuts (12).

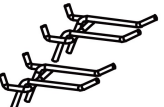
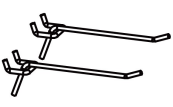
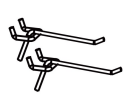




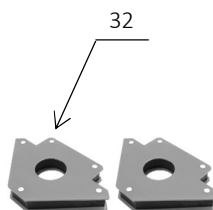
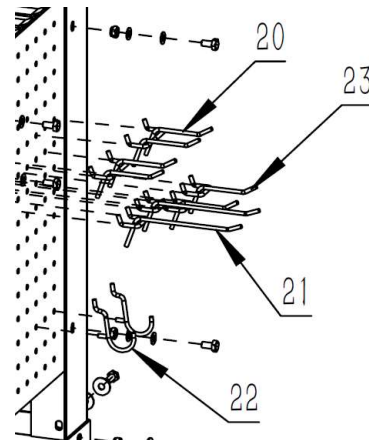
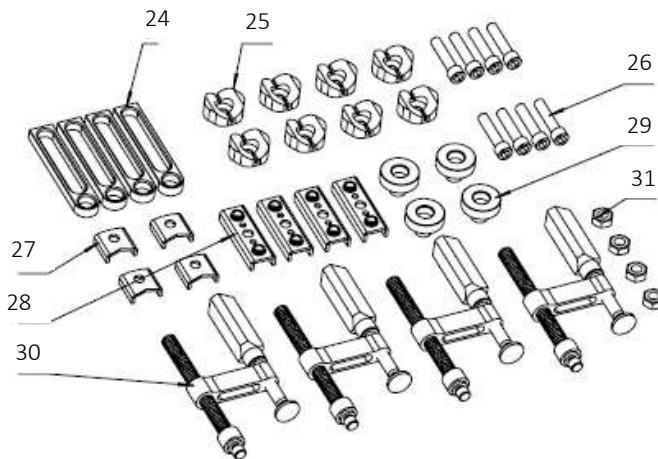
12. Tighten all bolts securely.
13. Retract the feet so that the Casters (18) contact the floor. The Cart can now be moved.
14. (Optional) – add 36" x 20" piece of sheet metal and/or plywood to the inside of the Braces to provide an additional storage shelf or slag tray.



Accessory Kit: Clamps and Components

Insert Clamp	Stop Bars	Magnetic Treaded Adaptors	V-Blocks	V-Blocks-Spacers
				
Insert into any hole on the tabletop for fast hold-down clamping.	Mount on the tabletop to locate and stop stock. Use with magnetic threaded adaptors.	Mount underneath tabletop to cover any table hole to a 3/8-16 threaded hole.	Designed to hold round parts. Fit into the holes of fixture point table, D-Stop bars and V-Blocks-Spacers.	Used in conjunction with V-Block.

Double Arm Hook	Single Arm Hook (4 in.)	Single Arm Hook (2 in.)	Small Hook	Welding Magnet
				
Insert into any hole on the peg board for fast hanging welding tools.	Insert into any hole on the peg board for fast hanging welding tools.	Insert into any hole on the peg board for fast hanging welding tools.	Insert into any hole on the peg board for fast hanging welding tools.	Used for welding parts connected in exact angles.



Before Each Use

⚠WARNING

- Inspect the general condition of the welding workstation. Check for loose hardware, misalignment, binding of parts, or cracked and broken parts.

1. If moving the Welding Workstation:
 - a) Coil any loose cables or hoses and hang on the Tool Holder or Pegboard Hooks.
 - b) Be sure all loose objects are removed from the table and the path is clear.
 - c) Lift the Feet so that the Casters can be used.
2. Move the Welding Workstation to the work area.
3. Extend the Feet so that the Welding Workstation is sitting securely on the Feet and the Casters do not touch the floor. Move the Nut on the Feet securely against the Cart Base to ensure the Feet do not retract during use.

Operating Instructions

- Always wear the proper protective equipment including ANSI Z87.1 compliant eye protection, a welding helmet, and welding gloves.
- Do not exceed the rated load capacity of 600 lb.
- Tighten all bolts before adding load.
- Be aware of dynamic loading! Sudden load movement may briefly create excess load causing product failure.
- Use only on a level, hard surface.
- Inspect before each use. Do not use if parts are damaged.
- Keep the table clean for optimal performance. Wipe away dust and debris from the tabletop and legs.
- Use only for the intended purpose. Do not sit or stand on the Welding Workstation.
- Use ONLY on a flat, level, and hard surface.
- Not for use by or around children.
- Before moving the welding table, be sure all loose objects are removed from the table and the path is clear. Loose objects and obstructions can cause damage and/or injury.

After Each Use

⚠WARNING

Wipe external surfaces of the table with a clean cloth.

1. If moving the Welding Workstation:
 - a) Coil any loose cables or hoses and hang on the Tool Holder or Pegboard Hooks.
 - b) Be sure all loose objects are removed from the table and the path is clear.
 - c) Lift the Feet so that the Casters can be used.
4. Move the Welding Workstation to its storage area.
5. Extend the Feet so that the Welding Workstation is sitting securely on the Feet and the Casters do not touch the floor. Move the Nut on the Feet securely against the Cart Base (9) to ensure the Feet do not retract during use.

Maintenance

Maintain the table and kit by adopting a program of conscientious repair and maintenance in accordance with the following recommended procedures. It is recommended that the general condition of any tool be examined before it is used. Keep your tool in good repair. Keep handles dry, clean, and free from oil and grease. The following chart is based on a normal operation schedule.

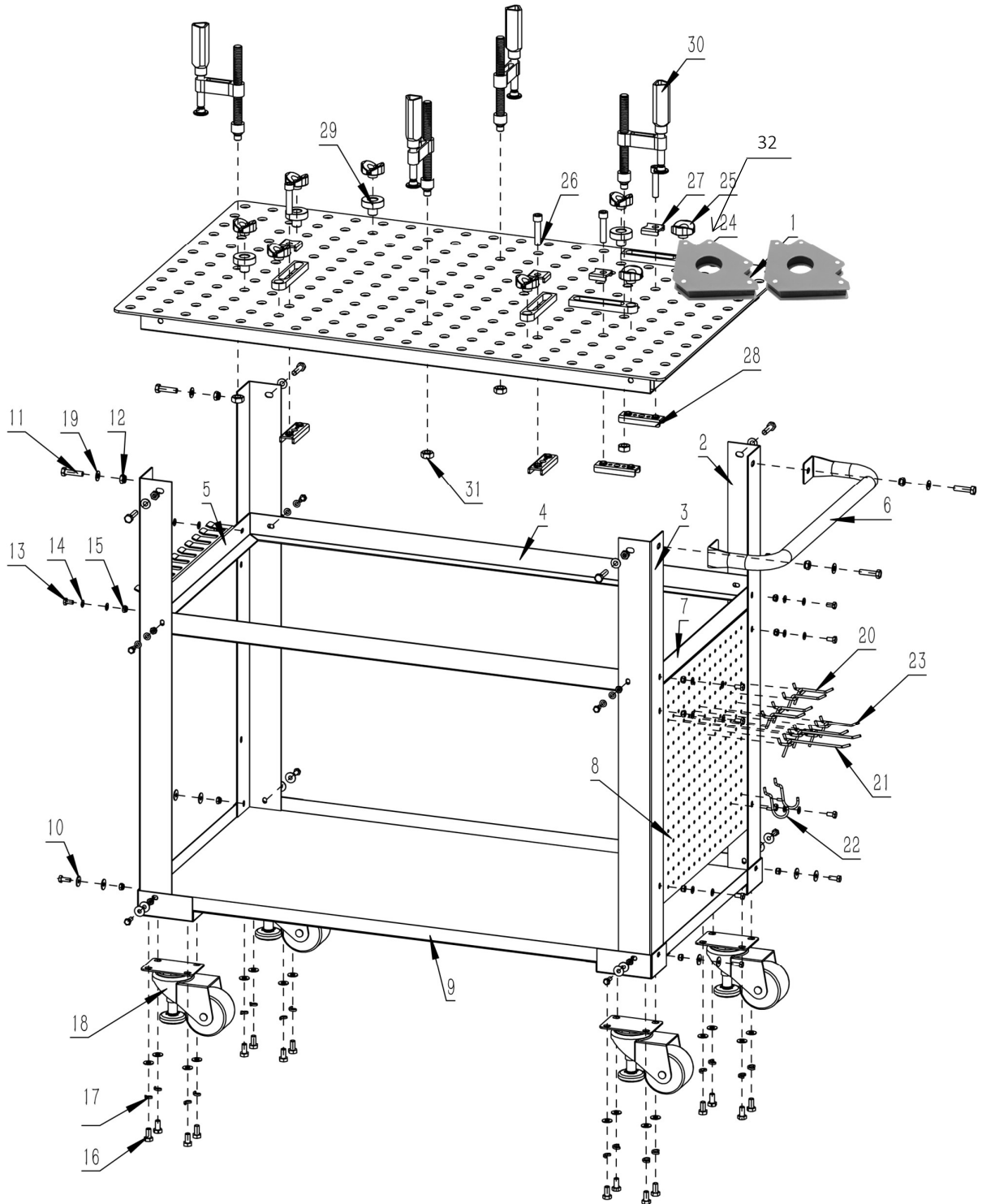
Maintenance Interval	Maintenance Point
After daily use	Wipe external surfaces of the table with a clean cloth.
Periodically	Check for any loose hardware and tighten.

Troubleshooting

Use the table below to troubleshoot problems before contacting service personnel or your local dealer. If the problem continues after troubleshooting, call your local dealer for assistance.

Failure	Possible Cause	Corrective Action
The welding table stands unevenly.	The screws are loose.	Check and tighten all hardware.
	The welding workstation cannot move smoothly.	Adjust Caster feet away from floor.

Parts Diagram



Parts List

Part Number	Part Description	Quantity
1	Tabletop (with bottom frame)	1
2	Leg-1	2
3	Leg-2	2
4	Long Brace	2
5	Tool Holder	1
6	Handle	1
7	Short Brace	1
8	Metal Pegboard	1
9	Cart Base (9)	1
10	M6 Washer (17mm)	16
11	M8 x 35 Bolt	8
12	M8 Lock Nut	8
13	M6 x 15 Bolt	20
14	M6 Washer (12mm)	24
15	M6 Lock Nut	20
16	M8 x 25 Bolt	16
17	M8 Lock Washer	16
18	3 in. Caster (18)	4
19	M8 Washer	24
20	Double Arm Hook	2
21	Single Arm Hook (4 in.)	2
22	Single Arm Hook (2 in.)	2
23	Small Hook	2
24	Stop Bars	4
25	V-Blocks	8
26	M10 x 45 Bolt	8
27	Stop Bars-cover Plate	4
28	Magnetic Threaded Adaptors	4
29	V-Blocks-Spacers	4
30	Insert Clamp	4
31	M12 Nut	4
32	Welding Magnet	2

Replacement Parts

- For replacement parts and technical questions, please call Customer Service at **1-800-222-5381**.
- Not all product components are available for replacement. The illustrations provided are a convenient reference to the location and position of parts in the assembly sequence.
- When ordering parts, the following information will be required: item description, item model number, item serial number/item lot date code, and the replacement part reference number.
- The distributor reserves the rights to make design changes and improvements to product lines and manuals without notice.

Limited Warranty

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the Klutch® product purchased will be free from material defects in both materials and workmanship, normal wear and tear excepted, for a period of **one year** from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, Your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product or product component without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at 1-800-222-5381, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to Us in order to process Your warranty claim. Any returned product that is replaced or refunded by Us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for: service or labor charges or damage to Your property incurred in removing or replacing the product; any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation, or maintenance of the product or product component; or any indirect, incidental or consequential damages of any kind for any reason.

Assumption of Risk

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages, so the above limitations may not apply to You. This limited warranty is governed by the laws of the State of Minnesota, without regard to rules pertaining to conflicts of law. The state courts located in Dakota County, Minnesota shall have exclusive jurisdiction for any disputes relating to this warranty.

KLUTCH[®]

Distributed by:

Northern Tool & Equipment Company, Inc.

Burnsville, Minnesota 55306

www.northerntool.com

Made in China