Owner’s Manual

Product: AirCrafterT-250™ Digital Turntable
Manual: 091-0728
Serial: 16110001
Voltage Rating: 120 VAC
Revision: -A-
Model Number: 127-007
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Safety Warnings

Warranty
SAFETY CONSIDERATIONS
ELECTRIC ARC WELDING EQUIPMENT

CAUTION: READ BEFORE ATTEMPTING INSTALLATION, OPERATION OR MAINTENANCE OF THIS EQUIPMENT

1-1 INTRODUCTION
This equipment is intended for ultimate application by commercial/industrial users and for operation by persons trained and experienced in the use and maintenance of welding equipment. Operation should not be undertaken without adequate training in the use of such equipment. Training is available from many public and private schools or similar facilities.

Safe practices in the installation, operation and maintenance of this equipment requires proper training in the art, a careful study of the information provided with the equipment, and the use of common sense. Rules for safe use are generally provided by suppliers of welding power sources, compressed gas suppliers, and electrode suppliers. Careful compliance with these rules will promote safe use of this equipment.

The following Safety Rules cover some of the more generally found situations. READ THEM CAREFULLY. In case of any doubt, obtain qualified help before proceeding.

1-2 GENERAL PRECAUTIONS

A. Burn Prevention
ELECTRIC ARC WELDING PRODUCES HIGH INTENSITY HEAT AND ULTRA-VIOLET RADIANT ENERGY WHICH MAY CAUSE SERIOUS AND PERMANENT EYE DAMAGE AND WHICH MAY DAMAGE ANY EXPOSED SKIN AREAS.

Wear helmet with safety goggles or glasses with side shields underneath, appropriate filter lenses or plates (protected by clear cover glass). This is a must for welding or cutting (and chipping) to protect the eyes from radiant energy and flying metal. Replace cover glass when broken, pitted, or spattered.

Medical first aid and eye treatment. First aid facilities and a qualified first aid person should be available for each shift and for the immediate treatment of flash burns of the eyes and skin burns.

Wear protective clothing - leather (or asbestos) gauntlet gloves, hat, and high safety-toe shoes. Button shirt collar and pocket flaps, and wear cuffedless trousers to avoid entry of sparks and slag.

Avoid oily or greasy clothing. A spark may ignite them.

Flammable hair preparations should not be used by persons intending to weld or cut.

Hot metal such as electrode stubs and work pieces should never be handled without gloves.

Ear plugs should be worn when working on overhead or in a confined space. A hard hat should be worn when others work overhead.

B. Toxic Fume Prevention
WARNING: The use of this product may result in exposure to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Adequate ventilation. Severe discomfort, illness or death can result from fumes, vapors, heat, or oxygen enrichment or depletion that welding (or cutting) may produce. Prevent them with adequate ventilation. NEVER ventilate with oxygen.

Lead-, cadmium-, zinc-, mercury-, beryllium-bearing and similar materials, when welded or cut, may produce harmful concentrations of toxic fumes. Adequate local exhaust ventilation must be used, or each person in the area, as well as the operator, must wear an air-supplied respirator. For beryllium, both must be used.

Metals coated with or containing materials that emit toxic fumes should not be heated unless coating is removed form the work surface, the area is well ventilated, or the operator wears an air-supplied respirator.

Work in a confined space only while it is being ventilated and, if necessary, while wearing an air-supplied respirator.

Gas leaks in a confined space should be avoided. Leaked gas in large quantities can change oxygen concentration dangerously. Do not bring gas cylinders into a confined space.

Leaving confined space, shut OFF gas supply at source to prevent possible accumulation of gases in the space if downstream valves have been accidentally opened or left open. Check to be sure that the space is safe before reentering it.

Vapors from chlorinated solvents can be decomposed by the heat of the arc (or flame) to form PHOSGENE, a highly toxic gas, and other lung and eye irritating products. The ultraviolet (radiant) energy of the arc can also decompose trichloroethylene and perchloroethylene vapors to form phosgene. DO NOT WELD or cut where solvent can fly many feet.

To prevent fires and explosion:

Keep equipment clean and operable, free of oil, grease, and (in electrical parts) of metallic particles that can cause short circuits.

If combustibles are in area, do NOT weld or cut. Move the work if practicable, to an area free of combustibles. Avoid paint spray rooms, dip tanks, storage areas, ventilators. If the work cannot be moved, move combustibles at least 35 feet away, out of reach of sparks and heat; or protect against ignition with suitable and snug-fitting, fire-resistant covers or shields.

Walls touching combustibles on opposite sides should not be welded on (or cut). Walls, ceilings, and floor near work should be protected by heat-resistant covers or shields.

Fire watcher must be standing by with suitable fire extinguishing equipment during and for some time after welding or cutting if:

1. Appreciable combustibles (including building construction) are within 35 feet.
2. Appreciable combustibles are further than 35 feet, but can be ignited by sparks.
3. Openings (concealed or visible) in floors or walls within 35 feet may expose combustibles to sparks.
4. Combustibles adjacent to walls, ceilings, roofs, or metal partitions can be ignited by radiant or conducted heat.

Hot work permit should be obtained before operation to ensure supervisor's approval that adequate precautions have been taken.

After work is done, check that area is free of sparks, glowing embers, and flames. An empty container that held combustibles, or that can produce flammable or toxic vapors when heated, must never be welded on or cut, unless container has been taken.

This includes: a thorough steam or caustic cleaning (or a solvent of water washing, depending on the combustible’s solubility), followed by purging and inerting with nitrogen or carbon dioxide, and using protective equipment.
Water-filling just below working level may substitute for inerting.
A container with unknown contents should be cleaned (see paragraph above). Do NOT depend on sense of smell or sight to determine if it is safe to weld or cut.
Hollow castings or containers must be vented before welding or cutting. They can explode.
Explosive atmospheres. NEVER weld or cut where the air may contain flammable dust, gas, or liquid vapors (such as gasoline).

D. Compressed Gas Equipment
The safe handling of compressed gas equipment is detailed in numerous industry publications. The following general rules cover many of the most common situations.

1. Pressure Regulators
Regulator relief valve is designed to protect only the regulator from overpressure; it is not intended to protect any downstream equipment. Provide such protection with one or more relief devices.
Never connect a regulator to a cylinder containing gas other than that for which the regulator was designed.
Remove faulty regulator from service immediately for repair (first close cylinder valve). The following symptoms indicate a faulty regulator:
Leaks - if gas leaks externally.
Excessive Creep - if delivery pressure continues to rise with downstream valve closed.
Faulty Gauge - if gauge pointer does not move off stop pin when pressurized, nor returns to stop pin after pressure release.
Repair. Do NOT attempt repair. Send faulty regulators for repair to manufacturer’s designated repair center, where special techniques and tools are used by trained personnel.

2. Cylinders
Cylinders must be handled carefully to prevent leaks and damage to their walls, valves, or safety devices:
Avoid electrical circuit contact with cylinders including third rails, electrical wires, or welding circuits. They can produce short circuit arcs that may lead to a serious accident. (See 1-3C)
ICC or DOT marking must be on each cylinder. It is an assurance of safety when the cylinder is properly handled.
Identifying gas content. Use only cylinders with name of gas marked on them; do not rely on color to identify gas content. Notify supplier if unmarked. NEVER DEFACE or alter name, number, or other markings on a cylinder. It is illegal and hazardous.
Empties: Keep valves closed, replace caps securely; mark MT; keep them separate from FULLS, and return promptly.

Prohibited use. Never use a cylinder or its contents for other than its intended use, NEVER as a support or roller.
Locate or secure cylinders so they cannot be knocked over.
Passageways and work areas. Keep cylinders clear of areas where they may be stuck.
Transporting cylinders. With a crane, use a secure support such as a platform or cradle. Do NOT lift cylinders off the ground by their valves or caps, or by chains, slings, or magnets.
Do NOT expose cylinders to excessive heat, sparks, slag, and flame, etc. that may cause rupture. Do not allow contents to exceed 55 degrees C (130 degrees F). Cool with water spray where such exposure exists.
Protect cylinders, particularly valves from bumps, falls, falling objects, and weather. Replace caps securely when moving cylinders.
Stuck valve. Do NOT use a hammer or wrench to open a cylinder valve that cannot be opened by hand. Notify your supplier.
Mixing gases. NEVER try to mix any gases in a cylinder.
NEVER refill any cylinder.
Cylinder fittings should never be modified or exchanged.

3. Hose
Prohibited use. Never use hose other than that designed for the specified gas. A general hose identification rule is: red for fuel gas, green for oxygen, and black for inert gases.
Use ferrules or clamps designed for the hose (not ordinary wire or other substitute) as a binding to connect hoses to fittings.
No copper tubing splices. Use only standard brass fittings to splice hose.
Avoid long runs to prevent kinks and abuse. Suspend hose off ground to keep it from being run over, stepped on, or otherwise damaged.
Coil excess hose to prevent kinks and tangles.
Protect hose from damage by sharp edges, and by sparks, slag, and open flame.
Examine hose regularly for leaks, wear, and loose connections. Immerse pressured hose in water; bubbles indicate leak.
Repair leaky or worn hose by cutting area out and splicing. Do NOT use tape.

4. Proper Connections
Clean cylinder valve outlet of impurities that may clog orifices and damage seats before connecting regulator. Except for hydrogen, crack valve momentarily, pointing outlet away from people and sources of ignition. Wipe with a clean, lintless cloth.
Match regulator to cylinder. Before connecting, check that the regulator label and cylinder marking agree, and that the regulator inlet and cylinder outlet match. NEVER Connect a regulator designed for a particular gas or gases to a cylinder containing any other gas.
Tighten connections. When assembling threaded connections, clean and smooth seats where necessary. Tighten. If connection leaks, disassemble, clean, and retighten, using properly fitting wrench.
Adapters. Use a CGA adapter (available from your supplier) between cylinder and regulator, if one is required. Use two wrenches to tighten adapter marked RIGHT and LEFT HAND threads.
Regulator outlet (or hose) connections may be identified by right hand threads for oxygen and left hand threads (with grooved hex on nut or shank) for fuel gas.

5. Pressurizing Steps:
Drain regulator of residual gas through suitable vent before opening cylinder (or manifold valve) by turning adjusting screw in (clockwise). Draining prevents excessive compression heat at high pressure seat by allowing seat to open on pressurization. Leave adjusting screw engaged slightly on single-stage regulators.
Stand to side of regulator while opening cylinder valve.
Open cylinder valve slowly so that regulator pressure increases slowly. When gauge is pressurized (gauge reaches regulator maximum) leave cylinder valve in following position: for oxygen and inert gases, open fully to seal stem against possible leak; for fuel gas, open to less than one turn to permit quick emergency shut-off.
Use pressure charts (available from your supplier) for safe and efficient recommended pressure settings on regulators.
Check for leaks on first pressurization and regularly thereafter. Brush with soap solution. Bubbles indicate leaks. Clean off soapy water after test; dried soap is combustible.

E. User Responsibilities
Follow all Safety Rules.
Remove leaky or defective equipment from service immediately for repair. Read and follow user manual instructions.

F. Leaving Equipment Unattended
Close gas supply at source and drain gas.

G. Rope Staging-Support
Rope staging-support should not be used for welding or cutting operation; rope may burn.

1-3 ARC WELDING
Comply with precautions in 1-1, 1-2, and this section. Arc Welding, properly done, is a safe process, but a careless operator invites trouble. The equipment carries high currents at significant voltages. The arc is very bright and hot. Sparks fly, fumes rise, ultraviolet and infrared energy radiates, weldments are hot, and compressed gases may be used. The wise operator avoids unnecessary risks and protects himself and others from accidents.
A. Burn Protection
Comply with precautions in 1-2.
The welding arc is intense and visibly bright. Its radiation can damage eyes, penetrate lightweight clothing, reflect from light-colored surfaces, and burn the skin and eyes. Skin burns resemble acute sunburn; those from gas-shielded arcs are more severe and painful. DON'T GET BURNED; COMPLY WITH PRECAUTIONS.

1. Protective Clothing
Wear long-sleeve clothing in addition to gloves, hat, and shoes. As necessary, use additional protective clothing such as leather jacket or sleeves, flameproof apron, and fire-resistant leggings. Avoid outer garments of untreated cotton.

Bare skin protection. Wear dark, substantial clothing. Button collar to protect chest and neck, and button pockets to prevent entry of sparks.

2. Eye and Head Protection
Protect eyes from exposure to arc. Eyes may be damaged by radiant energy when exposed to the electric arc, even when not looking in the direction of the arc. Never look at an electric arc without protection.

Welding helmet or shield containing a filter plate shade no. 12 or denser must be used when welding. Place over face before striking arc.

Protect filter plate with a clear cover plate.

Cracked or broken helmet or shield should NOT be worn; radiation can be passed through to cause burns.

Cracked, broken, or loose filter plates must be replaced IMMEDIATELY. Replace clear cover plate when broken, pitted, or spattered.

Flash goggles with side shields MUST be worn under the helmet to give some protection to the eyes should the helmet not be lowered over the face before an arc is struck. Looking at an arc momentarily with unprotected eyes (particularly a high intensity gas-shielded arc) can cause a retinal burn that may leave a permanent pitted, or spattered.

Replace clear cover plate when broken, pitted, or spattered.

3. Protection of Nearby Personnel
Enclose the welding area. For production welding, a separate room or enclosed bay is best. In open areas, surround the operation with low-reflective, noncombustible screens or panels. Allow for free air circulation, particularly at floor level.

Viewing the weld. Provide face shields for all persons who will be looking directly at the weld.

Others working in area. See that all persons are wearing flash goggles.

Before starting to weld, make sure that screen flaps or bay doors are closed.

B. Toxic Fume Prevention
Comply with precautions in 1-2B.

Generator engine exhaust must be vented to the outside air. Carbon monoxide can kill.

C. Fire and Explosion Prevention
Comply with precautions in 1-2C.

Equipment’s rated capacity. Do not overload arc welding equipment. It may overheat cables and cause a fire. Loose cable connections may overheat or flash and cause fire.

Never strike an arc on a cylinder or other pressure vessel. It creates a brittle area that can cause a violent rupture or lead to such a rupture later under rough handling.

To protect against shock:

Keep body and clothing dry. Never work in damp area without adequate insulation against electrical shock. Stay on a dry duckboard, or rubber mat when dampness or moisture between body and an electrically HOT part - or grounded metal - reduces the body surface electrical resistance, enabling dangerous and possibly lethal currents to flow through the body.

1. Grounding the Equipment
When installing, connect the frames of each unit such as welding power source, control, work table, and water circulator to the building ground. Conductor must be adequate to carry ground currents safely. Equipment made electrically HOT by stray currents may shock, possibly fatally. Do NOT GROUND to electrical conduit, or to a pipe carrying ANY gas or a flammable liquid such as oil or fuel.

Three-phase connection. Check phase requirement of equipment before installing. If only three-phase power is available, connect single-phase equipment to only two wires of the three-phase line. Do NOT connect the equipment ground lead to the third (live) wire, or the equipment will become electrically HOT - a dangerous condition that can shock, possibly fatally.

Before welding, check ground for continuity. Be sure conductors are touching bare metal of equipment frames at connections.

If a line cord with a ground lead is provided with the equipment for connection to a switch box, connect the ground lead to the grounded switch box. If a three-prong plug is added for connection to a grounded mating receptacle, the ground lead must be connected to the ground prong only. If the line cord comes with a three-prong plug, connect to a grounded mating receptacle. Never remove the ground prong from a plug, or use a plug with a broken ground prong.

2. Connectors

Fully insulated lock-type connectors should be used to join welding cable lengths.

3. Cables
Frequently inspect cables for wear, cracks, and damage. IMMEDIATELY REPLACE those with excessively worn or damaged insulation to avoid possibly lethal shock from bare cable. Cables with damaged areas may be taped to give resistance equivalent to original cable.

Keep cable dry, free of oil and grease, and protected from hot metal and sparks.

4. Terminals and Other Exposed Parts
Terminals and other exposed parts of electrical units should have insulating covers secured before operation.

5. Electrode Wire
Electrode wire becomes electrically HOT when the power switch of gas metal-arc welding equipment is ON and welding gun trigger is pressed. Keep hands and body clear of wire and other HOT parts.

6. Safety Devices
Safety devices such as interlocks and circuit breakers should not be disconnected or shunted out.

Before installation, inspection, or service of equipment, shut OFF all power, and remove line fuses (or lock or red-tag switches) to prevent accidental turning ON of power. Disconnect all cables from welding power source, and pull all 115 volts line-cord plugs.

Do not open power circuit or change polarity while welding. If, in an emergency, it must be disconnected, guard against shock burns or flash from switch arcing.

Leaving equipment unattended. Always shut OFF, and disconnect all power to equipment.

Power disconnect switch must be available near the welding power source.
**Thank You**

For selecting a quality product. We want you to take pride in operating this product...as much pride as we have in bringing the product to you!

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**Please Examine Carton and Equipment For Damage Immediately**

When this equipment is shipped, title passes to the purchaser upon receipt by the carrier. Consequently, claims for material damaged in shipment must be made by the purchaser against the transportation company at the time the shipment is received.

Please record your equipment identification information below for future reference. This information can be found on your machine nameplate.

| Model Name & Number | _____________________ |
| Code & Serial Number | _____________________ |
| Date of Purchase     | _____________________ |

Whenever you request replacements parts for, or information on this equipment always supply the information you have recorded above.

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Read this Owner’s Manual completely before attempting to use this equipment. Save this manual and keep it handy for quick reference. Pay particular attention to the safety instructions we have provided for your protection.

Section A Specifications

Unit Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Turntable Diameter</th>
<th>Degrees Tilt</th>
<th>Speed Range R.P.M.</th>
<th>Ground Capacity AMPS</th>
<th>Input Voltage</th>
<th>Weight</th>
<th>Transmission</th>
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<tr>
<td>127-007</td>
<td>10&quot;</td>
<td>0° to 90°</td>
<td>0.1 10</td>
<td>400A 60% Duty Cycle</td>
<td>120VAC 50/60 Hz</td>
<td>38 lbs</td>
<td>Gear w/ De-clutch</td>
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Load Specifications

Turntable Vertical

- 125 lbs in the vertical position from 0.1-10 RPM with a balanced & centered load, 7" max from table surface

Turntable Horizontal

- 250 lbs in the horizontal position from 0.1-10 RPM with a balanced & centered load
Dimensions

8.2" Center Height
In Vertical Position
Section B  

**Operation**

**Initial Setup**

1. Unbox unit from packaging. Save packaging for future transportation of unit.

2. Plug the unit's power cord into a standard 120VAC outlet.

3. If you desire to use the provided foot pedal, plug the pedal cable into connector on the side of the unit.

4. Attach a ground cable with a 1/2" ring lug to the ground terminal on the unit.

**Warning:** Not attaching a ground cable directly to the unit while welding on the turntable, may cause damage to the unit. Reversely, leaving the ground cable attached to the unit while welding a part not on the turntable, may cause damage to the unit.
Operating Procedure

1. Push On / Off button to switch the unit on.
   
   **NOTE: If unit doesn’t turn on, check power connection and the fuse.**

2. The display will briefly show the firmware version and then show the last rotational speed used. If you see any other message, please see the Troubleshooting section.

3. To adjust display brightness press and hold the rotation direction button (the turntable must be stopped). After ~1 sec., the display changes and shows the brightness value (1 to 63), rotate knob to adjust brightness of the display. Release the rotation direction button when done.

4. Push the rotation direction button to switch between clockwise and counter clockwise rotation. When the button is lit the table will rotate clockwise. When it is not lit the rotation is counter clockwise.

5. Establish desired speed setting using the knob while reading the LED display on the turntable.

6. To start turntable with the set speed press the push button in the center of the knob and release within 1 sec., the motor will start and the button lights green. Press the button again to stop and the button flashes red then turns blue. If the button is held longer than 1 sec., the turntable starts jogging (10 RPM), button flashes green and turntable jogs until released.

   **NOTE: When knob is pressed, the knob rotation is ignored to prevent value changes while pressing.**

   With the foot pedal plugged in, the speed setting displayed is the maximum speed the foot pedal will use. While pressing the foot pedal, the display shows speed of the foot pedal setting.

   **NOTE: When the foot pedal is plugged in, the Start/Stop function of the knob is disabled.**

7. Press and hold the On / Off button (display shows “OFF”) until power is turned to standby mode. If released sooner, the display returns to normal.

   **NOTE: The unit is not completely off unless it is unplugged from power source.**

   **NOTE:**

   Pressing invalid key causes "Err" message displayed for ~2 sec.

   **NOTE:**

   Pressing invalid key while foot pedal is plugged in, displays "PdL" and key is ignored.

   **NOTE:**

   All turntable settings and calibration are preserved when power is turned off.

8. To adjust the angle of the table press and hold in the push knob on the right side of the machine. Lift table to desired degree then release the push knob, thus locking the table in position.
Calibration Procedure

Your AirCrafter T-250 comes calibrated from the factory, but if you suspect the unit's RPM readings are off, follow the procedure below to re-calibrate the unit:

1. Make sure the unit is off.
2. Press and hold down the direction button, then press the power button.
3. Next release the power button and then the direction button.
4. If done correctly, "CAL" will be displayed as shown.

5. Begin the calibration by pressing the start button (knob / push button). Calibration will take about 20 minutes as the table turns and records RPM and time data.
6. After the data is recorded, the letters "SLo" will be flashing on the display, slowly turn the speed knob until the turntable barely begins to rotate.
7. Finally press the stop button (knob / push button) to finish and save the calibration.

Additional Display Messages

• nEE: This means the turntable memory was not set or lost. Power cord needs to be unplugged to reset. If this error persists, please contact MK support.
• bAd: This message is displayed for about 3 seconds and default settings are restored and self-testing continues. WARNING: The turntable SHOULD be recalibrated.
• CAL: If the display shows "CAL", the hardware calibration needs to be performed (never calibrated or corrupted).
Controls and Connections

- De-clutch Handle
- On/Off (PWR) Push Button
- CC / CCW Rotation Direction Button
- Digital RPM LED Display
- Speed Control/LED Brightness Adjustment Knob
- Start/Stop/Jog Push Button
- Foot Pedal Connector
- Gas Purge Inlet Connector
- Ground Lug
- Fuse
- Gas Purge Outlet
- 120 VAC Input Cord
- Tilt Release Push Knob
Section C  Accessories

Kits

005-0677 (standard)  
10" Turntable, With Hardware

005-0747 (standard)  
On/Off Foot Switch

005-0040 (optional)  
3-Jaw 4" Chuck With 7/8" Hole  
Inside And Outside Jaws, Hardware,  
Tools Included

005-0746 (optional)  
Heavy Duty  
Variable Speed Foot Control
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<td>Diagrams / Parts List</td>
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<td>Front Panel Assembly............................................................. 11</td>
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### AirCrafter™ T-250 Front Panel Assembly

#### FRONT PANEL PARTS LIST

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<td>1</td>
<td>005-0798</td>
<td>ASSY PCB FR PNL CNTRL TURNTABLE</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>303-0110</td>
<td>0-RING BUNA 019 A50 (SOLD IN PACK OF 12)</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>INCLUDED IN KIT 005-0799</td>
<td>RET. RING EXT. 13/16&quot; ID</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>005-0799</td>
<td>WSHR LK #4 INTL STAR STL</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>SCR PN P 4-40X3/16 SS</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>SCR PN P 4-40X3/8 SS</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>NUT HX PLAIN, #6-32 UNC</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>405-1568</td>
<td>DECAL FRONT AIRCRAFTER</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>431-2055</td>
<td>WASHER DELRIN TURNTABLE</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td>435-1344</td>
<td>SHEET METAL TOP AIRCRAFTER TURNTABLE</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>435-1346</td>
<td>RUBBER COVER LEVER AIRCRAFTER TURNTABLE</td>
</tr>
<tr>
<td>13</td>
<td>1</td>
<td>435-1347</td>
<td>LEVER COVER AIRCRAFTER T-250</td>
</tr>
<tr>
<td>Language</td>
<td>Warning Message</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WARNING</strong></td>
<td>Do not touch electrically live parts or electrode with skin or wet clothing.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Insulate yourself from work and ground.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Keep flammable material away.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wear eye, ear and body protection.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SPANISH</strong></td>
<td>No toque las partes o los electrodos bajo carga con la piel o ropa mojada.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Atíase del trabajo y de la tierra.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mantenga el material combustible fuera del área de trabajo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Protejase los ojos, los oídos y el cuerpo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>FRENCH</strong></td>
<td>Ne laissez ni la peau ni des vêtements mouillés entrer en contact</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>avec des pièces sous tension.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isolez-vous du travail et de la terre.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gardez à l’écart de tout matériel inflammable.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Protégez vos yeux, vos oreilles et votre corps.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GERMAN</strong></td>
<td>Berühren Sie keine Stromführenden Teile oder Elektroden mit Ihrem Körper</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>oder feuchter Kleidung!</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isolieren Sie sich von den Elektroden und dem Erdboden!</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entfernen Sie brennbarres Materialien.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tragen Sie Augen-, Ohren- und Körperschutz!</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PORTUGUESE</strong></td>
<td>Não toque partes elétricas e eletrodes com a pele ou roupa molhada.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isol-se da peça e terra.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mantenha inflamáveis bem guardados.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Use proteção para a vista, ouvido e corpo.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>JAPANESE</strong></td>
<td>通電中の電気部分、又は電材にと</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ふやれたものを触れること。</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>施工中やアースから身体が接続されている場にしない。</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>燃えやすいものの火の湖での操作は絶対にしてはなりません。</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>鼻、耳及び身体に保護具をして下さい。</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CHINESE</strong></td>
<td>皮肤或湿物切勿接触带电部位及带电部位。</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>使用时避免身体与带电部位接触。</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>使用时避免身体与带电部位接触。</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>KOREAN</strong></td>
<td>전도체나 풍성물의 접촉을 피한 섬진 또는 화장된 접촉은 금지됩니다.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>오저의 접촉은 금지합니다.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>인화성 물질을 접근 시지 마십시오.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>눈, 귀 및 신체에 보호구를 사용하십시오.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ARABIC</strong></td>
<td>لا تلامس الجزء الذي يجري فيه التيار</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>لا تلامس الجزء الذي يجري فيه التيار</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ضع المواد القابلة للتشكل في مكان بعيد.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>وقم بوضع المواد القابلة للتشكل في مكان بعيد.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

READ AND UNDERSTAND THE MANUFACTURER'S INSTRUCTION FOR THIS EQUIPMENT AND THE CONSUMABLES TO BE USED AND FOLLOW YOUR EMPLOYER'S SAFETY PRACTICES.

SE RECOMIENDA LEER Y ENTENDER LAS INSTRUCCIONES DEL FABRICANTE PARA EL USO DE ESTE EQUIPO Y LOS CONSUMABLES QUE VA A UTILIZAR, SIGA LAS MEDIDAS DE SEGURIDAD DE SU SUPERVISOR.

LISEZ ET COMPRENZE LES INSTRUCTIONS DU FABRICANT EN CE QUI REGARDE CET EQUIPEMENT ET LES PRODUITS A ETRE EMPLOYES ET SUIVEZ LES PROCEDURES DE SECURITE DE VOTRE EMPLOYEUR.

LESEN SIE UND BEFOLGEN SIE DIE BETRIEBSANLEITUNG DER ANLAGE UND DEN ELEKTRODENEINSATZ DES HERSTELLERS. DIE UNFALLVERHÜTUNGSVORSCHRIFTEN DES ARBEITGEBERS SIND Ebenfalls zu beachten.
<table>
<thead>
<tr>
<th>Keep your head out of fumes.</th>
<th>Turn power off before servicing.</th>
<th>Do not operate with panel open or guards off.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use ventilation or exhaust to remove fumes from breathing zone.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Los humos fuera de la zona de respiración.</td>
<td>Desconecte el cable de alimentación de poder de la máquina antes de iniciar cualquier servicio.</td>
<td>No opere con panel abierto o guardias quitadas.</td>
</tr>
<tr>
<td>Mantenga la cabeza fuera de los humos. Utilice ventilación o aspiración para gases.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Garder la tête à l'écart des fumées. Utilizez un ventilateur ou un aspirateur pour éloigner les fumées des zones de travail.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vermeiden Sie das Einatmen von Schwebstaub! Sorgen Sie für gute Be- und Entlüftung des Arbeitsplatzes!</td>
<td>Strom vor Wartungsarbeiten absolutely (Netztrom völlig öffnen; Maschine anhalten).</td>
<td>Anlage nie ohne Schutzgehäuse oder Innenschutzverkleidung in Betrieb setzen!</td>
</tr>
<tr>
<td>ヒームから頭を離すようにして下さい。換気や排障に十分留意して下さい。</td>
<td>メンテナンス・サービスに際してかかる際には、まず電源スイッチを必ず切って下さい。</td>
<td>パネルやカバーを外したりランスで機械操作をしないで下さい。</td>
</tr>
<tr>
<td>防止排障器。</td>
<td></td>
<td></td>
</tr>
<tr>
<td>新呼吸器使用道具等使用障害防止。</td>
<td>機械前切断電源。</td>
<td>機械打開前本安全装置不具作業。</td>
</tr>
</tbody>
</table>
| 업금지로부터 공기기기를 제거하십시오. | 보수전에 전원을 절단하십시오. | 전원이 켜진 상태로 작동의 이상시。

아래 단어 뒤에 색상 사용 하여 주의사항.

- 숙련된 기술자만이 개조를 하는 것이 안전합니다.
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- 온도나 압력 영향을 받는 부품은 조심스럽게 취급해야 합니다.
- 전기 연결은 숙련된 전기공이 해야 합니다.
- 화학물질 사용 시는 안전장비를 착용해야 합니다.
- 일반 사용은 업무에 대한 통안을 얻고야 합니다.
- 수리 또는 조립 시에는 전원을 꺼야 합니다.

주의사항.

- 이 제품이 동봉된 작업지침서를 숙지하시고, 귀사의 작업자 안전수칙을 준수하시기 바랍니다.

이 제품에 동봉된 작업지침서를 숙지하시고, 귀사의 작업자 안전수칙을 준수하시기 바랍니다.

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LIMITED WARRANTY

This warranty supersedes all previous MK Products warranties and is exclusive, with no other guarantees or warranties expressed or implied.

LIMITED WARRANTY - MK Products Inc., Irvine, California warrants that all new and unused equipment furnished by MK Products is free from defects in workmanship and material as of the time and place of delivery by MK Products. No warranty is made by MK Products with respect to trade accessories or other items manufactured by others. Such trade accessories and other items are sold subject to the warranties of their respective manufacturers, if any.

MK Products' warranty does not apply to components having normal useful life of less than one (1) year, such as relay points, wire conduit, tungsten, and welding gun parts that come in contact with the welding wire, including gas cups, gas cup insulators, and contact tips where failure does not result from defect in workmanship or material.

MK Products shall, exclusively remedy the limited warranty or any duties with respect to the quality of goods, based upon the following options:

(1) repair
(2) replacement
(3) where authorized in writing by MK Products, the reasonable cost of repair or replacement at our Irvine, California plant.

As a matter of general policy only, MK Products may honor an original user's warranty claims on warranted equipment in the event of failure resulting from a defect within the following periods from the date of delivery of equipment to the original user:

1. Power Supplies and Wire Feed Cabinets .................. 3 years
2. Weldheads, Coolers, Positioners, and Push-Pull Guns ... 1 year
3. Spool Guns, and Spool Gun Modules .................... 180 days
4. Repairs/Exchanges/Parts .................................. 90 days

Classification of any item into the foregoing categories shall be at sole discretion of MK Products. Notification of any failure must be made in writing within 30 days of such failure.

A copy of the invoice showing the date of sale must accompany products returned for warranty repair or replacement.

All equipment returned to MK Products for service must be properly packaged to guard against damage from shipping. MK Products shall not be responsible for any damages resulting from shipping.

Normal surface transportation charges (one way) for products returned for warranty repair or replacement will be borne by MK Products, except for products sold to foreign markets.

ANY EXPRESS WARRANTY NOT PROVIDED HEREIN AND ANY IMPLIED WARRANTY, GUARANTY, OR REPRESENTATION AS TO PERFORMANCE AND ANY REMEDY FOR BREACH OF CONTRACT WHICH, BUT FOR T

PROVISION, MIGHT ARISE BY IMPLICATION, OPERATION OF LAW, CUSTOM OF TRADE, OR COURSE OF DEALING, INCLUDING ANY IMPLIED

WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR PARTICULAR PURPOSE, WITH RESPECT TO ANY AND ALL EQUIPMENT PURCHASED FROM MK PRODUCTS, IS EXCLUDED AND DISCLAIMED BY MK PRODUCTS

EXCEPT AS EXPRESSLY PROVIDED BY MK PRODUCTS IN WRITING.

MK'S PRODUCTS ARE INTENDED FOR ULTIMATE PURCHASE BY OR MERCIAL/INDUSTRIAL USERS AND FOR USE OR CONSUMPTION IN TRADE AND EXPERIENCED IN THE USE AND MAINTENANCE WELDING EQUIPMENT AND NOT FOR CONSUMERS OR CONSUMER USE. MK PRODUCTS' WARRANTIES DO NOT EXTEND TO, AND RESELLER IS AUTHORIZED TO EXTEND MK PRODUCTS' WARRANTY TO

ANY CONSUMER.

USE OF OTHER THAN GENUINE MK PRODUCTS, CONSUMABLES, PARTS, AND ACCESSORIES MAY INVALIDATE YOUR PRODUCT WARRANTY.