



**OPERATOR'S MANUAL**  
**MANUEL D'UTILISATION**  
**MANUAL DEL OPERADOR**

**MUD MIXER**  
**MÉLANGEUR DE BOUE**  
**MEZCLADORA DE LODO**

**R7131**

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**INCLUDES:** Mud Mixer, Mixing Paddle (2), Bucket Guard Assembly, Operator's Manual

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**INCLUT :** Mélangeur de boue, lame de mélange (2), assemblage du protecteur de seu, manuel d'utilisation

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**INCLUYE:** Mezcladora de lodo, paleta de mezcla (2), ensamblaje de protección de cubeta, manual del operador

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**⚠ WARNING:** To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

**⚠ AVERTISSEMENT :** Pour réduire les risques de blessures, l'utilisateur doit lire et veiller à bien comprendre le manuel d'utilisation avant d'employer ce produit.

**⚠ ADVERTENCIA:** Para reducir el riesgo de lesiones, el usuario debe leer y comprender el manual del operador antes de usar este producto.

**SAVE THIS MANUAL FOR FUTURE REFERENCE**

**CONSERVER CE MANUEL POUR FUTURE RÉFÉRENCE**

**GUARDE ESTE MANUAL PARA FUTURAS CONSULTAS**

# GENERAL POWER TOOL SAFETY WARNINGS

## WARNING

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

## WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

## ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

## PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
- **Do not wear loose clothing or jewelry.** Contain long hair. Loose clothes, jewelry, or long hair can be drawn into air vents.
- **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the power tool in unexpected situations.

## POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

# GENERAL POWER TOOL SAFETY WARNINGS

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- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

## SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

# MIXER SAFETY INSTRUCTIONS

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- **Hold the tool with both hands at the intended handles.** Loss of control can cause personal injury.
- **Ensure sufficient ventilation when mixing flammable materials to avoid a hazardous atmosphere.** Developing vapour may be inhaled or be ignited by the sparks the power tool produces.
- **Do not mix food.** Power tools and their accessories are not designed for processing food.
- **Keep the cord away from the working area.** The cord may be entangled by the mixing paddle.
- **Ensure that the mixing container is placed in a firm and secure position.** A container that is not properly secured may move unexpectedly.
- **Ensure that no liquid splashes against the housing of the power tool.** Liquid that has penetrated the power tool can cause damage and lead to electric shock.
- **Follow the instructions and warnings for the material to be mixed.** Material to be mixed may be harmful.
- **If the power tool falls into the material to be mixed, unplug the tool immediately and have the power tool checked by a qualified repair person.** Reaching into the container with the tool still plugged in can lead to electric shock.
- **Do not reach into the mixing container with your hands or insert any other objects into it while mixing.** Contact with the paddle may lead to serious personal injury.
- **Start up and run down the tool in the mixing container only.** The paddle may bend or spin in an uncontrolled manner.
- **Know your power tool. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this tool.** Following this rule will reduce the risk of electric shock, fire, or serious injury.
- **Always wear eye protection with side shields marked to comply with ANSI Z87.1.** Following this rule will reduce the risk of serious personal injury.
- **Protect your lungs. Wear a face or dust mask if the operation is dusty.** Following this rule will reduce the risk of serious personal injury.
- **Protect your hearing. Wear hearing protectors during extended periods of operation.** Following this rule will reduce the risk of serious personal injury.
- **Inspect tool cords periodically and, if damaged, have repaired at your nearest authorized service center. Constantly stay aware of cord location.** Following this rule will reduce the risk of electric shock or fire.
- **Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center.** Following this rule will reduce the risk of shock, fire, or serious injury.
- **Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. A wire gauge size (A.W.G.) of at least 14 is recommended for an extension cord 50 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.** An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- **If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.**
- **Never leave mud mixer running unattended. Unplug mixer when leaving work area or when mixer is out of your line of sight.**
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.

# SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	<b>DANGER:</b>	Indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
	<b>WARNING:</b>	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	<b>CAUTION:</b>	Indicates a hazardous situation, that, if not avoided, may result in minor or moderate injury.
	<b>NOTICE:</b>	(Without Safety Alert Symbol) Indicates information considered important, but not related to a potential injury (e.g. messages relating to property damage).

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Wear Eye Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Long Hair	Risk of long hair being drawn into rotating paddles.
	Loose Clothing	Risk of loose clothing being drawn into rotating paddles.
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
min	Minutes	Time
~	Alternating Current	Type of current
$n_0$	No Load Speed	Rotational speed, at no load
	Class II Construction	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

# ELECTRICAL

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## DOUBLE INSULATION

Double insulation is a concept in safety in electric power tools, which eliminates the need for the usual three-wire grounded power cord. All exposed metal parts are isolated from the internal metal motor components with protecting insulation. Double insulated tools do not need to be grounded.

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### **WARNING:**

The double insulated system is intended to protect the user from shock resulting from a break in the tool's internal insulation. Observe all normal safety precautions to avoid electrical shock.

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**NOTE:** Servicing of a product with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician. For service, we suggest you return the product to your nearest authorized service center for repair. Always use original factory replacement parts when servicing.

## ELECTRICAL CONNECTION

This product has a precision-built electric motor. It should be connected to a power supply that is **120 V, AC only (normal household current), 60 Hz**. Do not operate this product on direct current (DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If the product does not operate when plugged into an outlet, double-check the power supply.

## EXTENSION CORDS

When using a power tool at a considerable distance from a power source, be sure to use an extension cord that has the capacity to handle the current the product will draw. An undersized cord will cause a drop in line voltage, resulting in overheating and loss of power. Use the chart to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

When working outdoors with a product, use an extension cord that is designed for outside use. This type of cord is designated with "WA" or "W" on the cord's jacket.

Before using any extension cord, inspect it for loose or exposed wires and cut or worn insulation.

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\*\*Ampere rating (on tool faceplate)

Cord Length	Wire Size (A.W.G.)					
	0-2.0	2.1-3.4	3.5-5.0	5.1-7.0	7.1-12.0	12.1-16.0
25'	16	16	16	16	14	14
50'	16	16	16	14	14	12
100'	16	16	14	12	10	—

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\*\*Used on 12 gauge - 20 amp circuit

**NOTE:** AWG = American Wire Gauge

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### **WARNING:**

Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools, or other obstructions while you are working with a power tool. Failure to do so can result in serious personal injury.

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### **WARNING:**

Check extension cords before each use. If damaged replace immediately. Never use the product with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.

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# FEATURES

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## PRODUCT SPECIFICATIONS

Coupler ..... 13 mm  
Input ..... 120 Volts, AC only, 60 Hz, 10 Amps

No Load Speed .....Low 180-460 r/min.  
High 240-620 r/min.

## KNOW YOUR MUD MIXER

The safe use of this product requires an understanding of the information on the product and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating functions.

### BUCKET GUARD

The bucket guard provided secures the mixing paddles and prevents the material being mixed from splashing onto the mixer and prevents the tool from falling into the mixing container.

### CUSTOM MODE

The mixer can be programmed to turn on and off at custom intervals. The unit can store up to 10 custom mix sets.

**NOTE:** The bucket guard should be properly seated on the bucket before attempting any custom or preset operation. If the bucket guard is not seated properly, the mud mixer may not perform these operations correctly.

### DIGITAL DISPLAY

The digital display shows the current mode and mixing options selected on the tool.

### HANDLE

This mixer has an ergonomic handle design for ease of operation and to prevent loss of control.

### LOCK-ON BUTTON

This tool is equipped with a lock-on feature for continuous mixing.

### MANUAL MODE

The mixer can be manually operated using the switch trigger.

**NOTE:** If the mixer is performing a custom or preset operation, squeezing the trigger will cancel the operation and return the unit to manual mode.

### MIXING PADDLES

The mixing paddles are designed to mix thick and heavy materials.

## PRESET MODE

The mud mixer has eight preset mixing sets for some of the most commonly mixed materials including paint, thinset, and mortar.

**NOTE:** The bucket guard should be properly seated on the bucket before attempting any custom or preset operation. If the bucket guard is not seated properly, the mud mixer may not perform these operations correctly.

## PROGRAM BUTTON

The program button allows the user to choose between different modes and select preset and custom mix sets.

## STAND COMPATIBLE

The mud mixer can be mounted to the R7133 stand (not included).

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### WARNING:

To reduce the risk of the tool falling into the material being mixed, ensure that the mud mixer is secured to the stand (not included) and the bucket guard is in place prior to beginning operations. Failure to comply could result in a hazardous condition leading to possible serious personal injury.

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## TWO SPEED GEAR TRAIN

The mud mixer has a two-speed gear train designed for mixing at LO (1) or HI (2) speeds. A dial is located in the center of the tool to select either LO (1) or HI (2) speed.

## QUICK-CONNECT COUPLERS

The quick-connect couplers allow you to easily add/remove paddles.

## VARIABLE SPEED SELECTOR

The mixer speed can be adjusted with the variable speed selector. This allows you to adjust the mixing rate to suit your particular application.

**NOTE:** The speed cannot be adjusted during preset operation.

# ASSEMBLY

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## **⚠ WARNING:**

Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled or with damaged or missing parts could result in serious personal injury.

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## **⚠ WARNING:**

Do not attempt to modify this product or create accessories or attachments not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

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If any parts are damaged or missing, please call 1-866-539-1710 for assistance.

# OPERATION

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## **⚠ WARNING:**

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict severe injury.

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## **⚠ WARNING:**

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

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## **⚠ WARNING:**

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

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## APPLICATIONS

You may use the product for the purposes listed below:

- Mixing thinset, grout, mortar, paint, drywall, concrete, and leveling compounds

## SWITCH TRIGGER

See Figure 1, page 12.

To manually turn the tool **ON**, depress the switch trigger. To turn it **OFF**, release the switch trigger and allow the couplers to come to a complete stop.

**NOTE:** A whistling or ringing noise coming from the switch during use is a normal part of the switch function.

**NOTE:** During use, the left and right couplers rotate in opposite directions.

## LOCK-ON BUTTON

See Figure 1, page 12.

This mixer is equipped with a lock-on feature, which is convenient for continuous manual use over extended periods of time.

### To lock-on:

- Depress the switch trigger.
- Push in and hold the lock-on button, located above the trigger.
- Release the switch trigger.
- Release the lock-on button and the mixer will continue running.
- To release the lock, depress and release the switch trigger.

If the lock-on feature is engaged during use and the mixer becomes disconnected from the power supply, disengage the lock-on feature immediately.

## TWO-SPEED GEAR TRAIN (HI-LO SWITCH)

See Figure 2, page 12.

To determine the appropriate gear setting for the material being mixed, refer to material manufacturer's instructions or the **Preset Mix Chart** on page 10.

- Select **LO (1)** speed for applications requiring higher torque.
- Select **HI (2)** speed for fast mixing applications.

**NOTE:** Running at low speeds under constant usage may cause the mixer to become overheated. If this occurs, cool the mixer by running it without a load and at full speed.

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## **NOTICE:**

Never change gears while the tool is running. Failure to obey this caution could result in serious damage to the mixer.

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# OPERATION

## VARIABLE SPEED SELECTOR

See Figure 3, page 12.

To determine the appropriate speed setting for the material being mixed, refer to material manufacturer's instructions or the **Preset Mix Chart** on page 10.

- Rotate the speed selector counter-clockwise to increase speed and clockwise to decrease speed.

**NOTE:** When the gear train is set to **LO (1)**, the tools maximum speed is 460 RPMs. When the gear train is set to **HI (2)**, the maximum speed is 620 RPMs.

## INSTALLING/REMOVING PADDLES

See Figures 4 and 5, page 12.

### To install paddles:

- Unplug the mixer.
- Pull back and hold the quick-connect coupler.
- Push the mixing paddle into the opening in the coupler.
- Push the coupler forward so that the paddle is secured properly. Check to see that the paddle is secure.
- Repeat these steps to install the second paddle.

**NOTE:** If necessary, rotate the second paddle in either direction to ensure its blades do not contact or interfere with the blades on the first paddle.

### To remove paddles:

- Unplug the mixer.
- Pull back and hold the quick-connect coupler.
- Remove the mixing paddle by pulling it from the quick-connect coupler. Clean the paddle and store in a dry location.
- Repeat these steps to remove the second paddle.

## OPERATING THE MIXER

See Figures 6 - 15, pages 12 - 14.

- Plug the mixer into a power source.

**NOTE:** When the mixer is connected to a power supply, it defaults to **Manual Mode**.

- Lift the display cover on the top of the tool to view the digital display. The digital display shows the current mode and mixing option you have selected for the mixer.

**NOTE:** The current mode or option will have a selection icon (>) beside it (i.e. > **Custom Mode**). Certain options will have a selection icon on either side (i.e. > **START** <).

- Rotate the program button clockwise to navigate to the next available mode or option and **counterclockwise** to navigate **to** the previous one.
- To select a mode or option, push the program button.
- To return to **Manual Mode**, squeeze and release the switch trigger.

### Manual Mode (see figure 7):

- Squeeze and release the switch trigger or select **Manual Mode** in the digital display.
- Use the two speed gear train and variable speed selector to adjust the mixing speed.
- Use the switch trigger to start and stop the mixer in this mode.

### Preset Mode (see figures 8 - 9):

Certain materials require periods of mixing and periods of rest to allow them to absorb moisture. For your convenience, the mixer has several presets that include appropriate rest and mix times for items such as drywall, concrete, and paint.

- Squeeze and release the switch trigger to return to **Manual Mode**.
- Select **Preset Mode** in the digital display.
- Use the program button to cycle through and select one of the following preset mix sets: *Thinset, Grout, Leveler, Mortar, Paint, Drywall, Concrete, or Maintain* (see **Preset Mix Chart** on page 10 for details).

**NOTE:** Select **Back** to return to the previous menu.

- Use the two speed gear selector to choose the preset's recommended gear setting.

**NOTE:** During preset operations, the mixing speed can not be adjusted with the variable speed selector.

- **To start mixing**, choose a preset mix set and select **START**.

**NOTE:** Select **BACK** to choose another preset mix set.

**NOTE:** If the preset mode you selected has a rest time, a chime will sound and the lights behind the clear LED cover will flash prior to the unit beginning the final mix cycle.

### Custom Mode (see figures 10 - 14):

You can create and save up to 10 custom mix sets. Each mix set includes an initial mixing period, a rest period, and a final mixing period.

- Squeeze and release the switch trigger to return to **Manual Mode**.
- Select **Custom Mode** in the digital display.
- Use the program button to cycle through and select a custom mix set.

**NOTE:** Select **Back** to return to the previous menu.

- **To edit the mix set**, select **EDIT** in the digital display.
  - Use the program button to choose the duration of your first mixing time, rest time, and final mixing time (up to ten minutes each).
  - Save changes to your custom mix set by selecting **Save Settings** in the digital display. Saved custom sets are identified by their initial mix, rest, and final mix times. For example, a custom set with an initial mix time of four minutes, a rest time of one minute, and a final mix time of two minutes will be identified as "M04-R01-M02".

# OPERATION

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- Use the two speed gear selector to choose your desired gear setting.

**NOTE:** During custom operations, the mixing speed can not be adjusted with the variable speed selector.

- To start mixing, choose a custom mix set and select **START**.

**NOTE:** Select **Back** to return to the previous menu.

**NOTE:** If the custom mode you selected has a rest time, a chime will sound and the lights behind the clear LED cover will flash prior to the unit beginning the final mix cycle.

**Setup Mode** (see figure 15):

- Squeeze and release the switch trigger to return to **Manual Mode**.

- Select **Setup Mode** in the digital display.

- Use the program button to cycle through and select *English*, *Spanish*, or *French*. After you make your selection, the display text will appear in your desired language.

**NOTE:** The default language for the mixer is English.

**NOTE:** Select **Back** to return to the previous menu.

## USING THE MIXER IN MANUAL MODE

See Figure 16, page 15.

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### **WARNING:**

Mix and prepare materials according to the material manufacturer's instructions.

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### **WARNING:**

To reduce the risk of electric shock or tool failure, use caution to prevent liquid material from entering the tool. If the tool falls into the material being mixed, unplug the tool immediately and have it checked by a qualified repair person.

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- Pour materials to be mixed into a suitable container. Do not fill the container. There should be enough room in the container to prevent spillage and reduce the risk of the material splashing back on you or the tool during operation.
- Secure the container to keep it from turning as the paddles rotate.
- Select the appropriate gear and speed setting for the materials you are mixing (see **Preset Mix Chart** on page 10 or refer to material manufacturer's instructions for details).
- Plug the mixer into a power source.
- Hold the mixer firmly with both hands and lower the paddles into the container.
- Squeeze and release the switch trigger to ensure the mixer is in **Manual Mode**.

- Depress the switch trigger to start mixing. Do not lock the switch **ON** for jobs where the mixer may need to be stopped suddenly.

**NOTE:** If the mixer is sluggish or if the unit struggles to mix the material, lower the speed or adjust the gear setting.

- Depending on the material being mixed, a rest time (slake) may be required, refer to the manufacturer's instructions.
- When mixing is complete, stop the tool and remove the paddles. Clean the paddles and store for later use.

## USING THE MIXER IN PRESET AND CUSTOM MODES

See Figures 17 - 19, page 15.

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### **WARNING:**

Mix and prepare materials according to the material manufacturer's instructions.

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**NOTE:** The bucket guard should be properly seated on the bucket before attempting any custom or preset operation. If the bucket guard is not seated properly, the mud mixer may not perform these operations correctly.

- Pour materials to be mixed into a suitable container. Leave two to three inches of space to allow the material to move and expand as it mixes.
- Secure the container to keep it from turning as the paddles rotate.
- Rotate the lever on the bucket guard away from the slot.
- Hold the mixer firmly with both hands and lower the paddles into the container.
- **With someone's assistance**, place the bucket guard over the bucket with the shafts of the paddles inside the slot.
- Rotate the lever onto the paddles and press down on the guard to make sure it is secured.
- Connect the sensor cable on the bucket guard to the input jack on the mixer.
- Plug the mixer into a power source.
- Lift the display cover on the top of the tool to view the digital display.
- Select a custom or preset operation, as described earlier in this section.
- Select the appropriate gear setting for the materials you are mixing (see **Preset Mix Chart** on page 10 or refer to material manufacturer's instructions for details).
- Hold the mixer firmly with both hands.
- **Start the mixer.**
- When mixing is complete and the tool has stopped, remove the guard and paddles. Clean the paddles and bucket guard and store for later use.

# OPERATION

## USING THE MIXER WITH A STAND (NOT INCLUDED)

See Figure 20, page 15.

### WARNING:

Mix and prepare materials according to the material manufacturer's instructions.

### WARNING:

To reduce the risk of the tool falling into the material being mixed, ensure that the mud mixer is secured to the stand (not included) and the bucket guard is in place prior to beginning operations. Failure to comply could result in a hazardous condition leading to possible serious personal injury.

- Assemble the stand (not included) and mount the mixer as described in the R7133 operator's manual.
- Once the mixer is mounted, it can be operated in manual, custom, or preset mode as described earlier.

**NOTE: Never leave mud mixer running unattended. Unplug mixer when leaving work area or when mixer is out of your line of sight.**

- When mixing is complete and the tool has stopped, remove the guard and paddles. Clean the paddles and bucket guard and store for later use.

## PRESET MIX CHART

PRESET NAME	GEAR SETTING	FIRST MIX TIME	REST TIME	FINAL MIX TIME
THINSET	LO (1)	5 MINUTES	5 MINUTES	2 MINUTES
GROUT	LO (1)	5 MINUTES	7 MINUTES	2 MINUTES
LEVELER	HI (2)	2 MINUTES	--	--
MORTAR	LO (1)	5 MINUTES	3 MINUTES	2 MINUTES
PAINT	LO (1)	2 MINUTES	--	--
DRYWALL	LO (1)	2 MINUTES	2 MINUTES	2 MINUTES
CONCRETE	LO (1)	5 MINUTES	5 MINUTES	2 MINUTES
MAINTAIN	15 SECONDS MIX / 30 SECONDS REST (REPEAT FOR 6 CYCLES)			

## CALIFORNIA PROPOSITION 65

### WARNING:

This product and some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. **Wash hands after handling.**

Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products and,
- arsenic and chromium from chemically treated lumber.

Your risk from exposure to these chemicals varies, depending on how often you do this type of work. To reduce your exposure, work in a well-ventilated area and with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

# MAINTENANCE

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## **⚠ WARNING:**

When servicing use only identical RIDGID replacement parts. Use of any other parts may create a hazard or cause product damage.

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## **⚠ WARNING:**

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

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## **GENERAL MAINTENANCE**

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

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## **⚠ WARNING:**

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.

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Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

## **LUBRICATION**

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the tool under normal operating conditions. Therefore, no further lubrication is required.

## **POWER SUPPLY CORD REPLACEMENT**

If replacement of the power supply cord is necessary, this must be done by the manufacturer or an authorized service center in order to avoid a safety hazard.

## **BRUSH REPLACEMENT**

*See Figure 21, page 15.*

This product has externally accessible brush assemblies that should be periodically checked for wear.

- Unplug the tool.
- With a flat head screwdriver, remove the brush caps. The brush assembly is spring loaded and will pop out when you remove the brush cap.
- Remove the brush assembly (brush and spring). Check for wear. Replace both brushes when either has less than 1/4 in. length of carbon remaining. Do not replace one side without replacing the other.

**NOTE:** When the brushes wear down to a predetermined level, the tool automatically switches off, ruling out the possibility of damage to the armature.

- Reassemble using new brush assemblies. Make sure curvature of brush matches curvature of motor and that brush moves freely in brush tube.
- Replace brush cap and tighten securely. Do not overtighten.

## **NOTE: ILLUSTRATIONS START ON PAGE 12 AFTER FRENCH AND SPANISH LANGUAGE SECTIONS.**

**This product has a 90-Day Satisfaction Guarantee Policy, as well as a Three-year Limited Warranty. For Warranty and Policy details, please go to [www.RIDGID.com](http://www.RIDGID.com) or call (toll free) 1-866-539-1710.**