

ITEM# AT01101

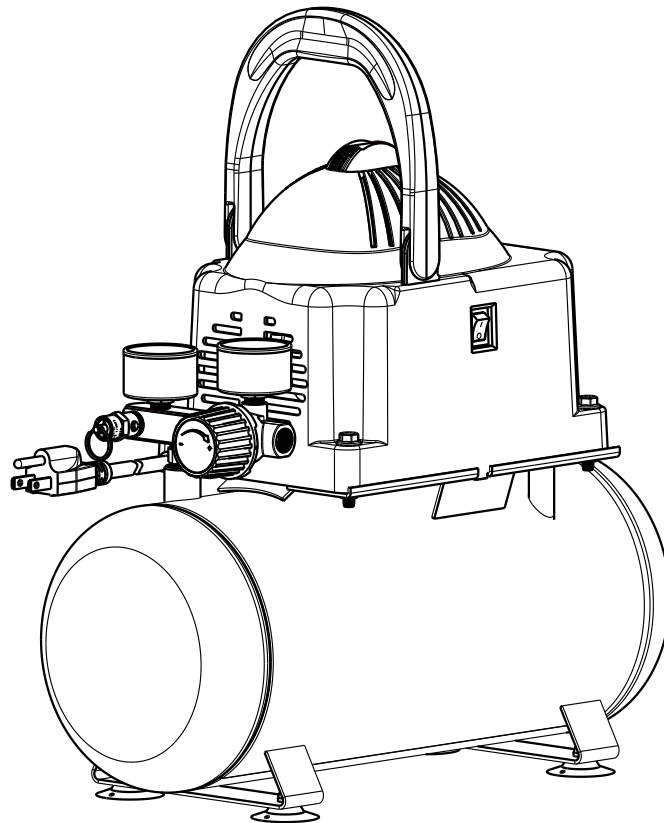
SKU# 207-1525



OPERATOR'S **MANUAL**

1/3HP/2-GALLON

2 GAL AIR COMPRESSOR



IMPORTANT: READ THIS OPERATOR'S MANUAL BEFORE USING

Toll Free Helpline: **1-888-899-0146**

Versions: 01

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SPECIFICATION

MODEL NO. -----	AT 01101
PUMP-----	OIL FREE, DIRECT DRIVE, SINGLE STAGE
MOTOR-----	1/3 PEAK HP
VOLTAGE/AMPS/PHASE-----	120/1.7/1
AIR TANK CAPACITY-----	2 GALLON
CUT-IN PRESSURE-----	70 PSI
CUT-OUT PRESSURE-----	100 PSI
CFM @ 40 PSI-----	1.0
CFM @ 90 PSI-----	0.7
POWER CORD-----	SJT 18 AWG / 72" LENGTH
EXTENSION CORD-----	SJT 18 AWG / NO LONGER THAN 30 FEET

NOTE: Avoid use of extension cords. If cannot be avoided, the cord should be a minimum wire size of 18 AWG and no longer than 30 feet.
Use only a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the product.

SAFETY GUIDELINES

This manual contains information that relates to PROTECTING YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS and is very important for you to know and understand. We use the symbols below to help you recognize this information.

▲ **DANGER** - POTENTIAL HAZARD THAT WILL RESULT IN SERIOUS INJURY OR LOSS OF LIFE

▲ **WARNING** - POTENTIAL HAZARD THAT COULD RESULT IN SERIOUS INJURY OR LOSS OF LIFE

▲ **CAUTION** - POTENTIAL HAZARD THAT MAY RESULT IN MODERATE INJURY OR DAMAGE TO EQUIPMENT

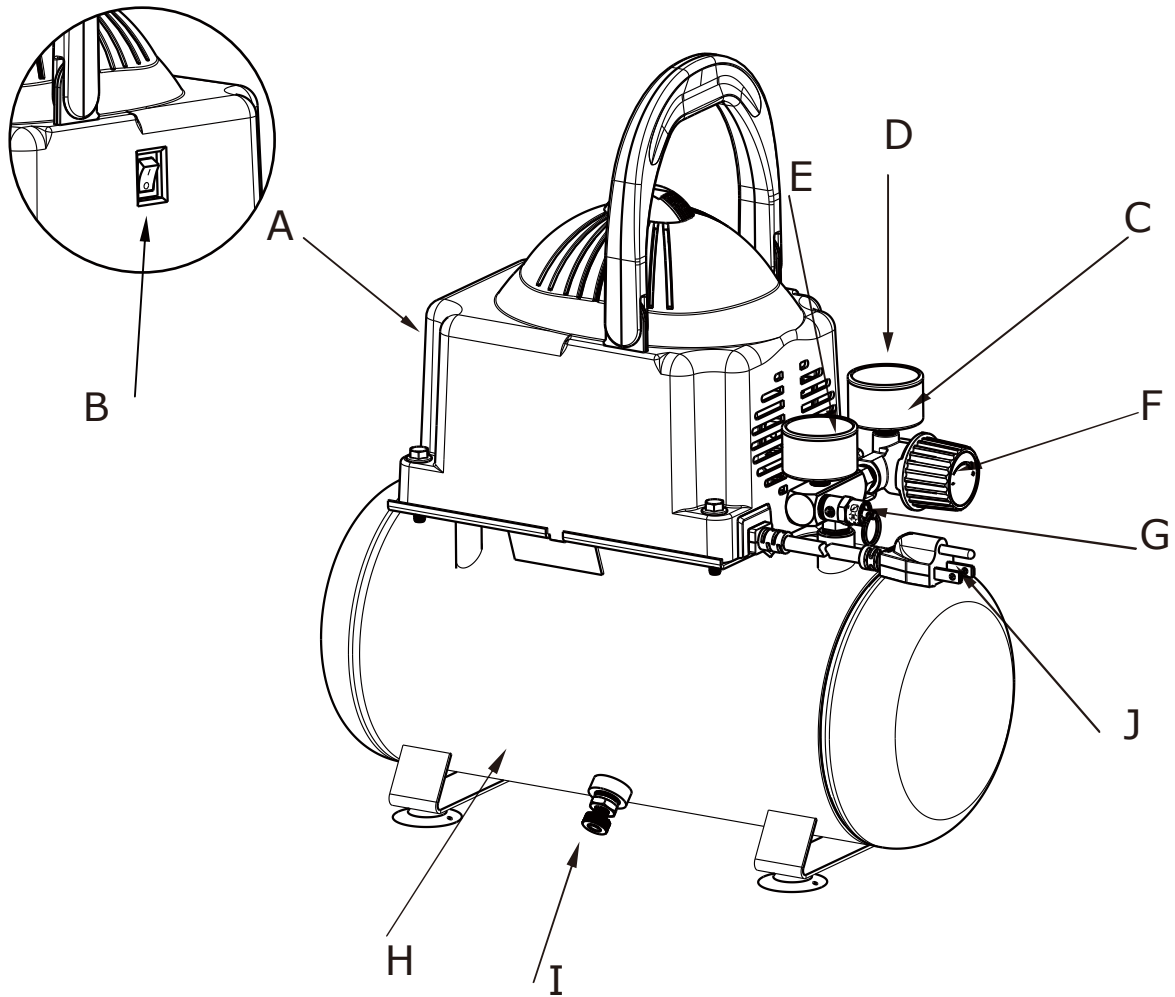
▲ **WARNING**

-  1. **RISK OF EXPLOSION OR FIRE.** Never spray flammable liquids in a confined area. It is normal for the motor and pressure switch to produce sparks while operating. If sparks come into contact with vapors from gasoline or other solvents, they may ignite and cause a fire or explosion. DO NOT smoke while spraying. DO NOT spray where sparks or flame are present. Keep compressor as far from spray area as possible. Always operate the compressor in a well-ventilated area.
-  2. **RISK OF ELECTRIC SHOCK.** A licensed electrician in accordance with all local and national codes must install all wiring. To avoid electric shock, NEVER use an electric air compressor outdoor when it is raining or on a wet surface.
-  3. **RISK OF BURSTING.** Rust can weaken the tank. Drain the condensed water from the tank after each use to reduce rusting. DO NOT weld, drill or modify the air tank of this compressor. Welding or modifications on the air tank can severely impair tank strength and cause an extremely hazardous condition. If a leak is detected in the tank, replace the tank right away.
-  4. **RISK OF INJURY.** ALWAYS shut off the compressor, remove the plug from the outlet and bleed all pressure from the system before servicing the compressor or when the compressor is not in use. DO NOT use the unit with the shrouds removed. Contact with moving parts could cause serious injury.
-  5. **RISK OF BURSTING.** Check the maximum pressure rating in the manual or the serial tag label. Compressor outlet pressure must be regulated so as to never exceed the maximum pressure rating. Relieve all pressure through the hose before removing or attaching accessories.
-  6. **RISK OF BURSTING.** DO NOT adjust the pressure switch or relief valve for any reason. They have been preset at the factory for the maximum pressure of this unit. If the pressure switch or the relief valve are tampered with, personal injury or property damage may occur.
-  7. **RISK OF BURNS.** Pump and manifold generate high temperature. To avoid burns or other injuries, DO NOT touch the pump, manifold or transfer tube while the unit is running. Allow the parts to cool before handling or servicing. Keep children away from the compressor at all times.
-  8. **RISK TO BREATHING.** Read all labels when you are spraying paints or toxic materials, and follow the safety instructions. Use a respirator mask if there is a chance of inhaling anything you are spraying. NEVER directly inhale the compressed air produced by a compressor.
-  9. **RISK OF EYE INJURY.** ALWAYS wear ANSI Z87.1 approved safety goggles when using an air compressor. NEVER point nozzle or sprayer toward a person or any part of the body. If the spray penetrates the skin, serious injury may occur.

▲ **CAUTION**

1. Pull the pressure relief valve ring daily to ensure that the valve is functioning properly.
2. The unit must be kept a minimum of 12 inches from the nearest wall, in a well-ventilated area for cooling.
3. Protect the air hose and electric cord from damage and puncture. Inspect them weekly for weak or worn spots and replace if necessary.
4. Always wear hearing protection when using an air compressor. Failure to do so may result in hearing loss.
5. Operation of the unit should always be in a position that is stable. Never use the unit on a rooftop or elevated position that could allow the unit to fall or be tipped over.

BASIC COMPRESSOR FEATURES



- A-----ELECTRIC MOTOR & AIR COMPRESSOR PUMP (inside of Shroud)
- B-----ON/OFF SWITCH
- C-----AIR LINE OULET (not visible)
- D-----REGULATED PRESSURE GAUGE
- E-----TANK PRESSURE GAUGE
- F-----AIR PRESSURE REGULATOR
- G-----PRESSURE RELIEF VALVE
- H-----AIR TANK
- I-----AIR TANK DRAIN VALVE
- J-----POWER CORD

BASIC COMPRESSOR FEATURES

- A. ELECTRIC MOTOR:** The motor is used to power the pump. It contains a thermal overload protector and an automatic reset. If the motor overheats for any reason, the thermal overload protector will shut it down to prevent the motor from being damaged. The motor will automatically restart when it completely cools.

AIR COMPRESSOR PUMP: The pump is used to compress the air and discharge it into the tank via the piston moving up and down in the cylinder.

- B. ON/OFF SWITCH:** This switch turns on the compressor and is operated manually, but when in the ON position, it allows the compressor to start up or shut down automatically, without warning, upon air demand. ALWAYS set this switch to OFF when the compressor is not being used, and before unplugging the compressor.

- C. AIR LINE OUTLET:** The outlet is used to connect 1/4" NPT air hose.

- D. REGULATED PRESSURE GAUGE:** The gauge is used to measure the regulated outlet pressure.

- E. TANK PRESSURE GAUGE:** The gauge is used to measure the stored air pressure level of the tank. It is not adjustable by the operator, and does not indicate line pressure.

- F. AIR PRESSURE REGULATOR:** The regulator is used to adjust line pressure to the tool you are using. Turn the knob clockwise to increase pressure and counterclockwise to decrease pressure.

▲ **WARNING:** Never exceed the maximum working pressure of the tool.

- G. PRESSURE RELIEF VALVE:** The valve is used to prevent system failures by relieving pressure from the system when the pressure reaches the preset level while the pressure switch does not shut down the motor. It will pop open automatically or you can pull the ring on the valve to make it.

- H. AIR TANK:** The tank is used to store the compressed air.

- I. AIR TANK DRAIN VALVE:** The drain valve is used to remove moisture from the air tank after the unit is shut off.

▲ **WARNING:** Never attempt to open the drain valve when the tank pressure is over 10 PSI.

- J. POWER CORD:** This product is for use on a nominal 120-volt circuit and should be grounded. A cord with a grounding plug must be used. Make sure that the product is connected to an outlet having the same configuration as the plug (see Figure 1). No adapter should be used with this product.

Check with a licensed electrician if the grounding instructions are not understood, or if in doubt as to whether the product is properly grounded. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

▲ **DANGER:** Improper installation of the grounding plug will result in a risk of electric shock. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The grounding wire is in the green outer surface.

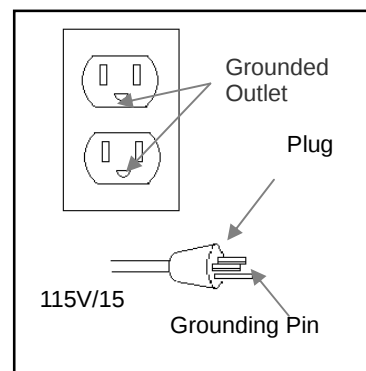


Figure 1

OPERATION

DAILY START UP

1. Turn the ON/OFF switch to the OFF position (see A).
2. Close the tank drain valve (see D). Turn clockwise.
3. Plug in the power cord.

▲ WARNING

High temperatures are generated by the electric motor and the pump. To prevent burns or other injuries, DO NOT touch the compressor while it is running. Allow it to cool before handling or servicing. Keep children away from the compressor at all times.

4. Turn the ON/OFF switch to the ON position (see C)

▲ WARNING

When adjusting from a higher to a lower pressure, turn the knob counterclockwise past the desired setting, and then turn clockwise to reach the desired pressure. Do not exceed operating pressure of the tool or accessory being used.

5. If a pressure regulator is present on your compressor, adjust it to the working pressure of the tool.

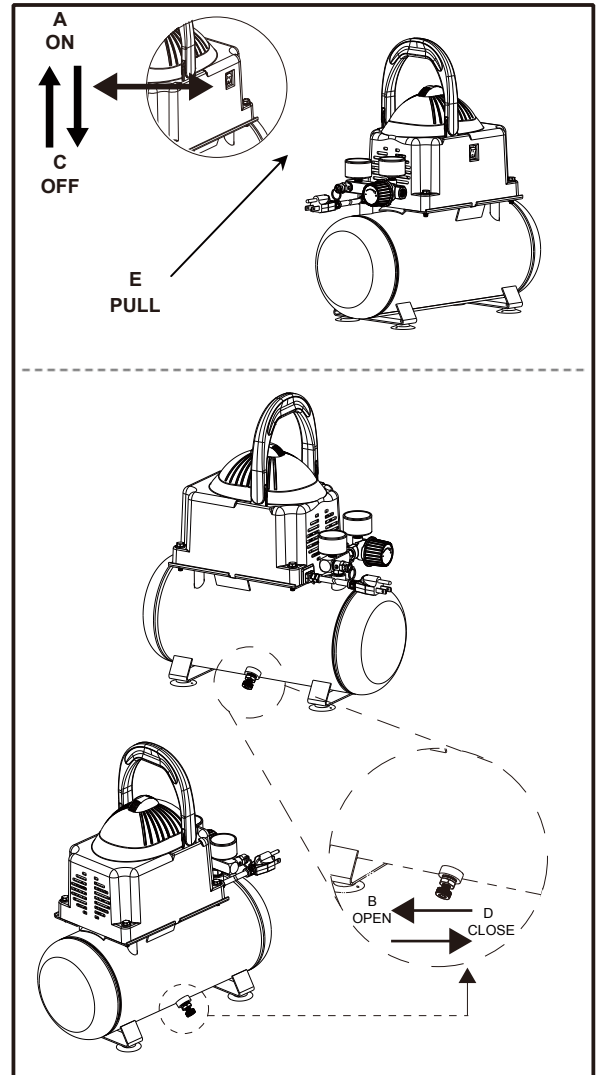
SHUTDOWN

1. Turn the ON/OFF switch to the OFF position.
2. Unplug the power cord.
3. Reduce pressure in the tank through the outlet hose. You can also pull the relief valve ring (See E) and keep it open to relieve pressure in the tank.

▲ CAUTION

Escaping air and moisture can propel debris that may cause eye injury. Wear safety goggles when opening drain valve.

4. Tip the compressor (if necessary for your model) so the tank drain valve is at the bottom of the tank. Then open the tank drain valve (see B) to allow moisture to drain from the tank.



MAINTENANCE CHART

⚠ WARNING To avoid personal injury always shut off and unplugs the unit and relieves all air pressure from the system before performing any service on the air compressor.

Regular maintenance will ensure trouble free operation. The items listed in the chart should be inspected on a regular basis.

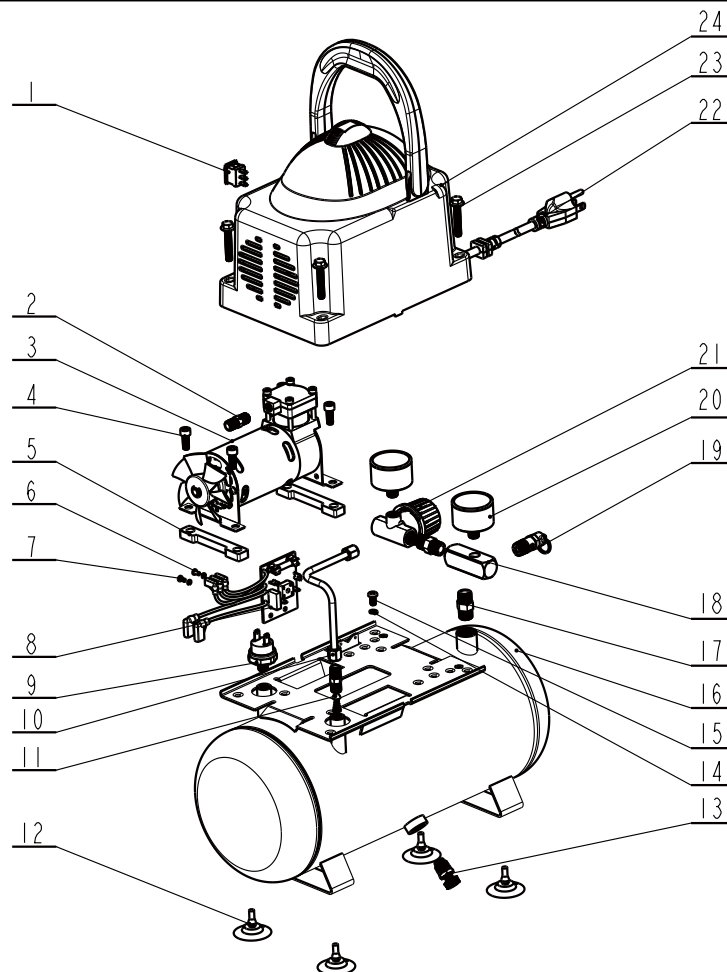
ITEM	DESCRIPTION	SERVICE INTERVAL
Drain the tank	To prevent corrosion inside the tank, the condensation must be drained at the end of every workday. Be sure to wear protective goggles. Relieve the air pressure in the system and open the drain valve on the bottom of the tank.	Daily
Check the relief valve	Pull the relief valve on the ring daily to ensure that it is operating properly and to clear the valve of any possible obstructions.	Daily
Test for leakage	Check all connections to see if tight. A small leak of any of part (the tank, hoses, pipe connections or transfer tubes) will reduce the unit's performance. Spray a small amount of soapy water around the area of the suspected leak with a spray bottle. If bubbles appear, repair or replace the faulty component. Do not over tighten any connections.	N/A
Storage	Before storing the unit for a long period, use an air blow gun to clean all dust and debris from the compressor. Disconnect and coil the power cord up. Pull the pressure relief valve to release all pressure from the tank. Drain all moisture from the tank. Cover the entire unit to protect it from moisture and dust.	N/A

TROUBLESHOOTING CHART

NOTE: Troubleshooting problems may have similar causes and solutions.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Low pressure not enough air or compressor does not stop	Tank drain valve is open	Close tank drain valve.
	Fittings Leak	Check fittings with soapy water. Tighten or reseal leaking fittings. DO NOT OVERTIGHTEN.
	Restricted air intake	Clean or replace air filter element.
	Prolonged or excessive use of air	Decrease amount of air used.
	Compressor not large enough	Check air requirement of accessory. If it is higher than CFM and pressure supplied by compressor, you need a larger compressor. Most accessories are rated at 25% of actual CFM while running continuously.
	Hole in air hose	Check and replace if necessary.
	Tank leaks	 WARNING: Immediately replace tank. DO NOT attempt to repair.
	Blown seals	Replace compressor assembly.
	Valve leaks	Replace compressor assembly.
	Leaking or worn piston	Replace compressor assembly.
Air leaks from regulator, or regulator does not regulate pressure	Dirty or damaged regulator internal parts.	Replace regulator or internal parts.
Regulated pressure gauge reading drops when air accessory is being used	This is normal	If pressure drops to low, adjust regulator while accessory is used.
	Compressor not large enough	Check air requirement of accessory. If it is higher than CFM and pressure supplied by compressor, you need a larger compressor. Most accessories are rated at 25% of actual CFM while running continuously.
Pressure relief valve opens	Tank pressure exceeded normal rating pressure	Replace pressure switch
	Pressure switch stuck	Replace pressure switch
Motor will not run Low pressure not enough air or compressor does not stop	Tank pressure exceeds preset pressure switch limit	Motor will start automatically when tank pressure drops below tank cut-in pressure.
	The motor's thermal overload protection has tripped.	Turn the air compressor off, unplug the power cord and wait until the motor has cooled down. Plug in the power cord only after the motor has cooled down, waiting at least five minutes to make sure the thermal overload protector has recovered.
	Fuse blown or circuit breaker tripped	Replace blown fuse or reset circuit breaker. Do not use fuse or circuit breaker with higher rating than specified for your branch circuit.
		Check for proper fuse; "Fusetron" type T is acceptable.
		Check for low voltage and proper extension cord size.
		Disconnect other applications from circuit. Operate compressor on a dedicated circuit.
	Check valve is stuck open	Remove and clean or replace.
	Pressure bleeder valve on pressure switch has not unloaded head pressure	Bleed line by moving pressure switch lever to OFF position before restarting. If bleeder valve does not open, replace bleeder valve.
	Wrong wire gauge in cord or excessive extension cord length	Check for proper gauge and extension cord length.
	Loose electrical connections	Contact authorized service center.
	Possible defective Capacitor	Contact authorized service center.
	Paint spray on internal motor parts	Have checked at service center. Do not operate compressor in the paint spray area.
	Tank drain valve is open	Close tank drain valve.

EXPLODED VIEW



PARTS LIST

Part no.	Description	Qty	Part no.	Description	Qty
1	On-off Switch	1	13	Drain Valve	1
2	Adaptor Fitting	2	14	Washer	1
3	Motor	1	15	Bolt	1
4	Bolt	4	16	Tank	1
5	Rubber Pad	2	17	Connector	2
6	Wahser	2	18	Manifold	1
7	Bolt	2	19	Relief Valve	1
8	Circuit Board	1	20	Pressure Gauge	2
9	Pressure Switch	1	21	Regulator	1
10	Transfer Tube	1	22	Power Cord	1
11	Check Valve	1	23	Bolt	4
12	Rubber Foot	4	24	Shroud	1

TOOL SHOP® 2 GAL AIR COMPRESSOR WARRANTY

1-YEAR LIMITED WARRANTY:

This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOL SHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-888-899-0146 (M-F 8am – 5pm)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.