

Our associates will ensure the tool works properly before you leave the store. If you experience issues with the tool while completing your project, simply bring it back to the Tool Rental Center to get a replacement. If you purchase Damage Protection at the time of your rental, you are not responsible for repair costs for tools that break due to normal use.





ELECTRIC AIR COMPRESSOR
AM1-HE15-03M
AM1-HE02-04M
AM1-PE02-05M
OPERATOR'S MANUAL



CAUTION

RISK OF INJURY! READ ENTIRE
MANUAL BEFORE OPERATING! THIS MANUAL IS AN
IMPORTANT PART OF THE AIR COMPRESSOR
AND MUST REMAIN WITH THIS UNIT!

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WARNING

Warning: This product contains lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

Wash your hands after handling this product.

WARNING

This product contains one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

INTRODUCTION

Congratulations on the purchase of your new Mi-T-M® Air Compressor! You can be assured your Mi-T-M® Air Compressor was constructed with the highest level of precision and accuracy. Each component has been rigorously tested by technicians to ensure the quality, endurance and performance of this air compressor.

This operator's manual was compiled for your benefit. By reading and following the simple safety, installation and operation, maintenance and troubleshooting steps described in this manual, you will receive years of trouble-free operation from your new Mi-T-M® Air Compressor. The contents of this manual are based on the latest product information available at the time of publication. The manufacturer reserves the right to make changes in price, color, materials equipment, specifications or models at any time without notice.



IMPORTANT!

A "*DANGER, WARNING or CAUTION*" safety warning will be surrounded by a "SAFETY ALERT BOX". This box is used to designate and emphasize Safety Warnings that must be followed when operating this air compressor. Accompanying the safety warnings are "Signal Words" which designate the degree or level of hazard seriousness. The "Signal Words" used in this manual are as follows:

DANGER: Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.



WARNING: Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.



CAUTION: Indicates a potentially hazardous situation which, if not avoided MAY result in minor or moderate injury or damage to the air compressor.



The symbols set to the left of this paragraph are "Safety Alert Symbols". These symbols are used to call attention to items or procedures that could be dangerous to you or other persons using this equipment.

ALWAYS PROVIDE A COPY OF THIS MANUAL TO ANYONE USING THIS EQUIPMENT. READ ALL INSTRUCTIONS IN THIS MANUAL AND ANY INSTRUCTIONS SUPPLIED BY MANUFACTURERS OF SUPPORTING EQUIPMENT BEFORE OPERATING THIS AIR COMPRESSOR AND ESPECIALLY POINT OUT THE "SAFETY WARNINGS" TO PREVENT THE POSSIBILITY OF PERSONAL INJURY TO THE OPERATOR.

Once the unit has been removed from the box, immediately write in the serial number of your unit in the space provided below.

SERIAL NUMBER _____

Inspect for signs of obvious or concealed freight damage. If damage does exist, file a claim with the transportation company immediately. Be sure that all damaged parts are replaced and the mechanical and electrical problems are corrected prior to operation of the unit. If you require service, contact your Mi-T-M® Customer Service Representative.

Mi-T-M® Corporation, 8650 Enterprise Drive, Peosta, IA 52068
1-800-553-9053 / Fax 563-556-1235
Monday - Friday 8:00 a.m. - 5:00 p.m. CST

Please have the following information available for all service calls:


1. Model Number
2. Serial Number
3. Date and Place of Purchase



IMPORTANT SAFETY INSTRUCTIONS



WARNING: When using this product, basic precautions should always be observed, including the following:
READ ALL SAFETY INSTRUCTIONS BEFORE USING AIR COMPRESSOR



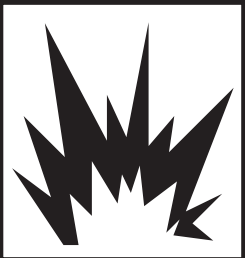
HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p data-bbox="212 275 496 365">RISK OF ELECTRIC SHOCK OR ELECTROCUTION</p> 	<p data-bbox="581 275 1013 457">Serious injury or death could occur if the air compressor is not properly grounded. Your air compressor is powered by electricity and may cause electric shock or electrocution if not used properly.</p> <p data-bbox="581 527 959 583">Electrical shock may occur from electrical cord.</p> <p data-bbox="581 974 1013 1031">Electrical shock may occur if air compressor is not operated properly.</p> <p data-bbox="581 1192 1003 1283">Serious injury or death may occur if electrical repairs are attempted by unqualified persons.</p>	<p data-bbox="1040 275 1474 428">Make sure the air compressor is plugged into a properly grounded outlet which provides correct voltage and adequate fuse protection. Disconnect when not in use.</p> <p data-bbox="1040 527 1435 617">Check power cord for signs of crushing, cutting or heat damage. Replace faulty cord before use.</p> <p data-bbox="1040 653 1451 842">Keep all connections dry and off the ground. Do not allow electrical cords to lay in water or in such a position where water could come in contact with them. Do not touch plug with wet hands.</p> <p data-bbox="1040 877 1458 934">Do not pull on the electrical cord to disconnect from the outlet.</p> <p data-bbox="1040 974 1474 1064">Never operate air compressor in wet conditions or outdoors when it is raining.</p> <p data-bbox="1040 1100 1468 1157">Never operate air compressor with safety guards removed or damaged.</p> <p data-bbox="1040 1192 1435 1381">Any electrical wiring or repairs performed on this air compressor should be done by Authorized Service Personnel in accordance with National and Local electrical codes.</p> <p data-bbox="1040 1417 1468 1730">Before opening any electrical enclosure, always shut off the air compressor, relieve pressure and unplug the air compressor from the power source. Allow air compressor to cool down. Never assume the air compressor is safe to work on just because it is not operating. It could restart at any time! Service in a clean, dry, flat area.</p>



IMPORTANT SAFETY INSTRUCTIONS

READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR






HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p>RISK OF EXPLOSION OR FIRE</p>  	<p>Serious injury or death may occur from normal electrical sparks in the motor and pressure switch.</p> <p>Serious injury may occur if any air compressor ventilation openings are restricted, causing the air compressor to overheat and start a fire.</p>	<p>Always operate air compressor in a well ventilated area free of flammable vapors, combustible dust, gases or other combustible materials.</p> <p>DO NOT SMOKE if spraying flammable material. Locate the air compressor at least 20 feet away from the spray area. (An additional hose may be required.)</p> <p>Never place objects against or on top of the air compressor. Operate the air compressor at least 12 inches away from any wall or obstruction that would restrict proper ventilation.</p>
<p>RISK OF BURSTING</p> 	<p>Serious injury or death may occur from an air tank explosion if air tanks are not properly maintained.</p> <p>Exceeding the pressure rating of air tools, spray guns, air operated accessories, tires and other inflatables can cause them to explode or fly apart, and could result in serious injury.</p>	<p>Drain the air tank daily or after each use to prevent moisture buildup in the air tank.</p> <p>If the air tank develops a leak, replace the air tank immediately. Never repair, weld or make modifications to the air tank or its attachments. Use only genuine Mi-T-M® repair parts for your air compressor.</p> <p>Never make adjustments to the factory set pressures.</p> <p>Never exceed manufacturers maximum allowable pressure rating of attachments.</p> <p>Because of extreme heat, do not use plastic pipe or lead tin soldered joints for a discharge line.</p> <p>Never use air compressor to inflate small, low pressure objects such as toys.</p>



IMPORTANT SAFETY INSTRUCTIONS


READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR



HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p>RISK TO BREATHING</p> 	<p>Serious injury or death could occur from inhaling compressed air. The air stream may contain carbon monoxide, toxic vapors or solid particles.</p> <p>Sprayed materials such as paint, paint solvents, paint remover, insecticides, weed killers, etc. contain harmful vapors and poisons.</p>	<p>Never inhale air from the air compressor either directly or from a breathing device connected to the air compressor.</p> <p>Operate air compressor only in a well ventilated area. Follow all safety instructions provided with the materials you are spraying. Use of a respirator may be required when working with some materials.</p>
<p>RISK OF BURNS</p> 	<p>Serious injury could occur from touching exposed metal parts. These areas can remain hot for some time after the air compressor is shutdown.</p>	<p>Never allow any part of your body or other materials to make contact with any exposed metal parts on the air compressor.</p>
<p>RISK OF FLYING OBJECTS</p> 	<p>Soft tissue damage can occur from the compressed air stream.</p> <p>Serious injury can occur from loose debris being propelled at a high speed from the compressed air stream.</p>	<p>Always wear safety glasses to shield the eyes from flying debris.</p> <p>Never point the air stream at any part of your body, anyone else or animals.</p> <p>Never leave pressurized air in the air compressor. Shut off air compressor and relieve pressure when storing or attempting maintenance.</p> <p>Always maintain a safe distance from people and animals while operating the air compressor.</p> <p>Do not attempt to move the air compressor by pulling on the hose.</p>

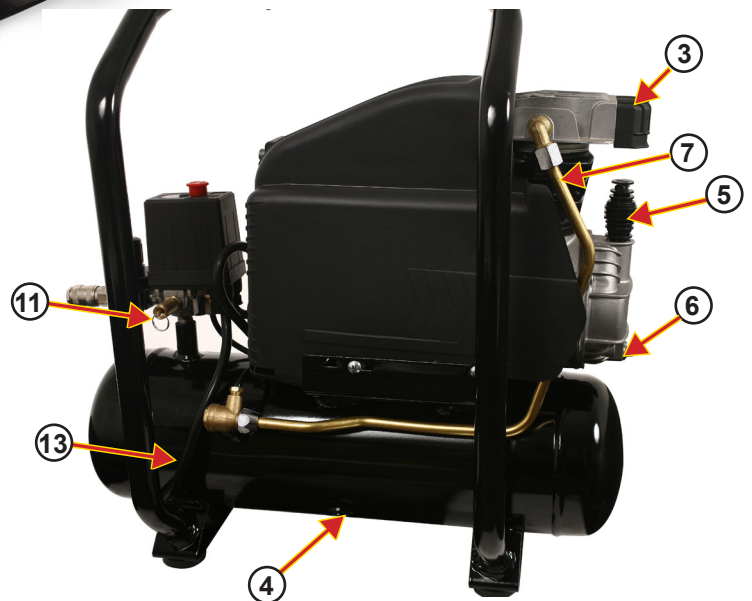
IMPORTANT SAFETY INSTRUCTIONS

READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR

HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p style="text-align: center;">RISK FROM MOVING PARTS</p> 	<p>Risk of bodily injury from moving parts. This air compressor cycles automatically when the pressure switch is in the "On/Auto" position.</p>	<p>Before performing <u>maintenance</u>, always turn off air compressor. Bleed pressure from the air hose and the tank, and unplug electrical cord from outlet. All <u>repairs</u> to the air compressor should be made by an Authorized Service person. Never assume the air compressor is safe to work on just because it is not operating. It could restart at any time.</p> <p>Do not operate without protective covers/guards. Always unplug the air compressor before removing any guard. Replace damaged covers/guards before using the air compressor.</p>
<p style="text-align: center;">RISK FROM NEGLIGENCE</p>	<p>Risk of injury from negligent use.</p>	<p>Never allow children or adolescents to operate this air compressor!</p> <p>Stay alert-watch what you are doing. Do not operate the air compressor when fatigued or under the influence of alcohol or drugs.</p> <p>Know how to stop the air compressor. Be thoroughly familiar with controls.</p>
<p style="text-align: center;">RISK OF AIR COMPRESSOR DAMAGE</p>	<p>Risk of major repair.</p>	<p>Do not operate air compressor without an air filter.</p> <p>Do not operate air compressor in a corrosive environment.</p> <p>Always operate the air compressor in a stable, secure position to prevent air compressor from falling.</p> <p>Follow all maintenance instructions listed in this manual.</p>

!SAVE THESE INSTRUCTIONS!

ELECTRIC AIR COMPRESSOR FEATURES



1. Pickup Handle
2. Outlet Pressure Gauge
3. Air Intake Filter
4. Air Tank Drain Valve
5. Oil Dipstick
6. Pump Oil Drain
7. Pump Discharge Line

8. Pressure Regulator
9. Tank Pressure Gauge
10. Pressure Switch
11. Safety Relief Valve
12. Protective Cover
13. Electric Power Cord

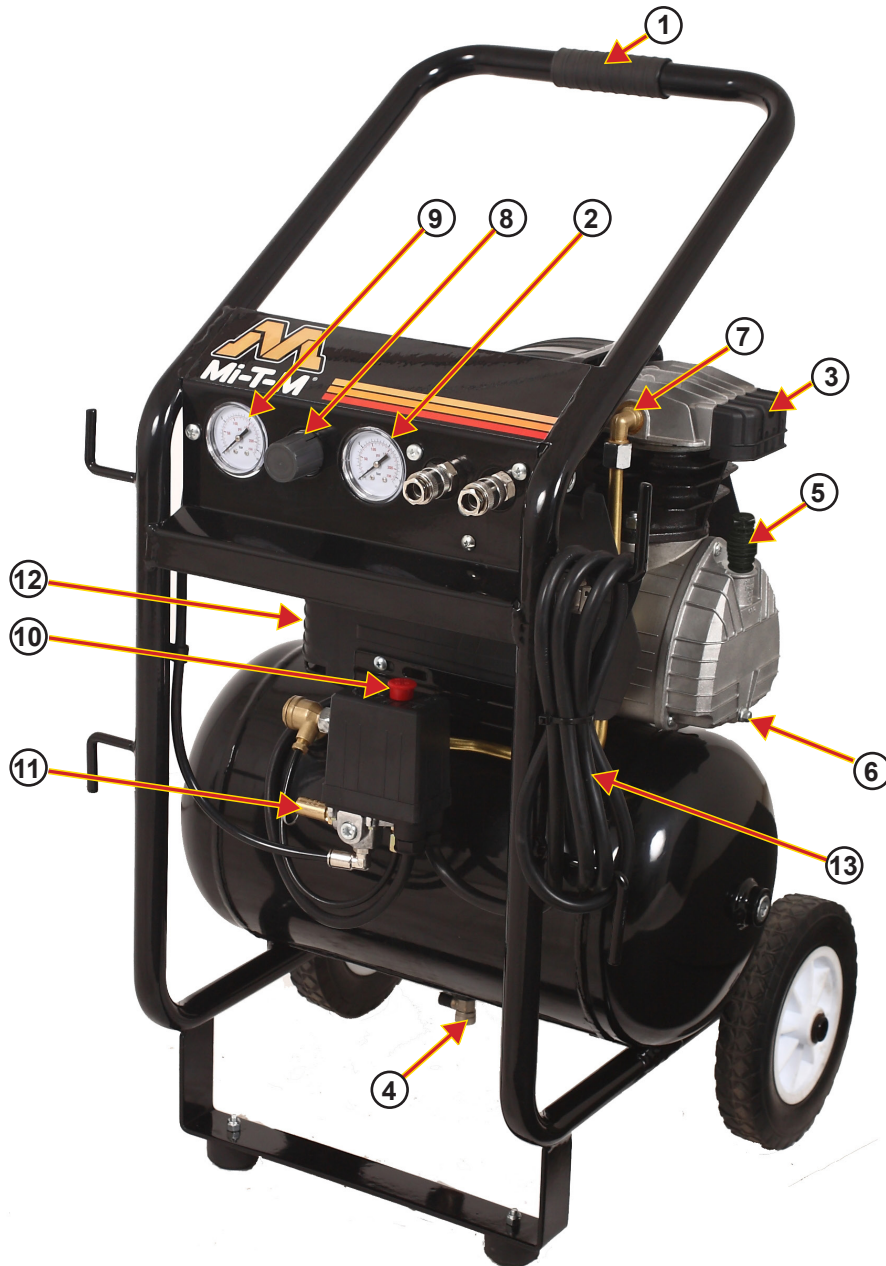
ELECTRIC AIR COMPRESSOR FEATURES



1. Pickup Handle
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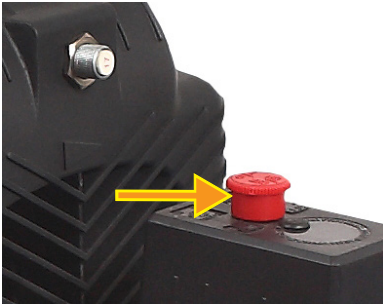
7. Pump Discharge Line
8. Pressure Regulator
9. Tank Pressure Gauge
10. Pressure Switch
11. Safety Relief Valve
12. Protective Cover

ELECTRIC AIR COMPRESSOR FEATURES



- | | |
|--------------------------|-------------------------|
| 1. Handle | 8. Pressure Regulator |
| 2. Outlet Pressure Gauge | 9. Tank Pressure Gauge |
| 3. Air Intake Filter | 10. Pressure Switch |
| 4. Air Tank Drain Valve | 11. Safety Relief Valve |
| 5. Oil Dipstick | 12. Protective Cover |
| 6. Pump Oil Drain | 13. Electric Power Cord |
| 7. Pump Discharge Line | |

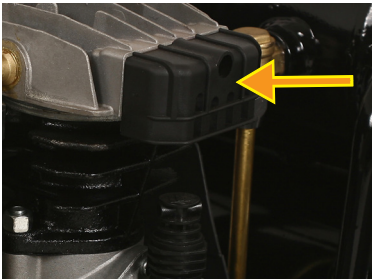
AIR COMPRESSOR FEATURES



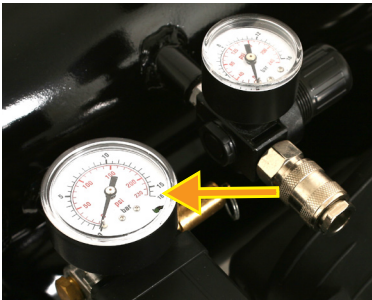
PRESSURE SWITCH: The switch is used to start or stop the air compressor. Moving the switch to the "Auto" (ON) position will allow the pressure switch to start the motor when the air tank pressure is below the factory set "cut-in" pressure. When in the "Auto" position, the pressure switch stops the motor when the air tank pressure reaches the factory set "cut-out" pressure. This switch also has a pressure release valve located on the side of the switch designed to automatically release compressed air from the air compressor pump head and its discharge line when the air compressor reaches "cut-out" pressure or is shut off. This allows the motor to restart freely. Moving the switch to the "OFF" position will open the pressure switch contacts and stop the air compressor.



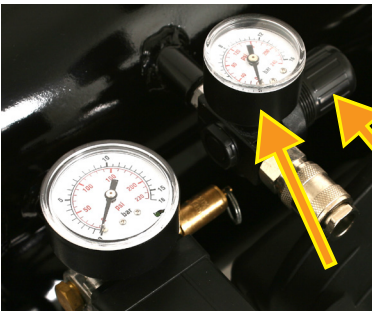
MOTOR THERMAL OVERLOAD: The electric motor has a manual thermal overload protector. If the motor overheats for any reason, the thermal overload will cut off power to prevent the motor from being damaged. Turn pressure switch lever to the "OFF" position and wait until the motor is cool. Press the thermal overload button to reset it and begin working again.



AIR INTAKE FILTER: This filter is designed to clean air coming into the pump. To ensure the pump continually receives a clean, cool, dry air supply this filter must always be clean and ventilation opening free from obstructions. Replace filter element when necessary.



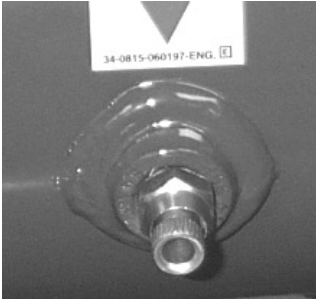
TANK PRESSURE GAUGE: The tank pressure gauge indicates the air pressure in the air tank.



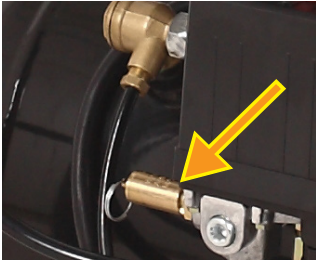
PRESSURE REGULATOR: The air pressure coming from the air tank is controlled by the regulator knob. Turn the pressure regulation knob clockwise to increase discharge pressure, and counterclockwise to decrease discharge pressure.

OUTLET PRESSURE GAUGE: The outlet pressure gauge indicates the air pressure available at the outlet side of the regulator. This pressure is controlled by the regulator and is always less or equal to the air tank pressure.

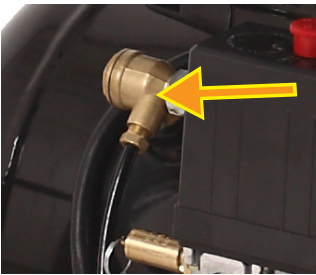
AIR COMPRESSOR FEATURES



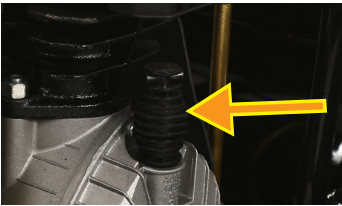
AIR TANK DRAIN VALVE: The drain valve is used to remove moisture from the air tank after the air compressor is shut off. **NEVER attempt to open the drain valve when more than 10 PSI of air pressure is in the air tank!** To open the drain valve, turn the knob counterclockwise. Keep the air compressor in such a position that all water condensation will flow out.



SAFETY RELIEF VALVE: This valve is designed to prevent system failures by relieving pressure from the system when the compressed air reaches a predetermined level. The valve is preset by the manufacturer and must not be modified in any way. To verify the valve is working properly, pull on the ring. Air pressure should escape. When the ring is released, it will reseal.



TANK CHECK VALVE: This valve prevents the compressed air in the tank from re-entering the pump discharge line.



OIL DIPSTICK: The dipstick will indicate the amount of oil in the pump. Oil level should be checked on a daily basis to ensure it does not exceed the maximum notch or fall below the minimum notch on the dipstick.



PUMP OIL DRAIN: The removal of the drain plug will allow the air compressor lubricants to be changed. To remove drain plug, turn counterclockwise.

AIR COMPRESSOR PUMP: To compress air, the piston moves up and down in the cylinder. On the downstroke, air is drawn in through the air intake valve while the exhaust valve remains closed. On the upstroke, the intake valve closes, air is compressed and forced out through the exhaust valve, into the discharge line, through the tank check valve and into the air tank.

It is recommended this air compressor not be operated at more than a 50% duty cycle. This means an air compressor that pumps air longer than 50% of one hour is considered misuse. Maximum air compressor pumping time per hour is 30 minutes.



THE FOLLOWING PAGES CONTAIN OPERATING AND MAINTENANCE INSTRUCTIONS.

DO NOT ATTEMPT TO OPERATE THIS AIR COMPRESSOR UNTIL YOU HAVE READ AND UNDERSTOOD ALL SAFETY PRECAUTIONS AND INSTRUCTIONS LISTED IN THIS MANUAL.

INCORRECT OPERATION OF THIS UNIT CAN CAUSE SERIOUS INJURY!!

DO NOT ALTER OR MODIFY THIS EQUIPMENT IN ANY MANNER!

PREPARATION INSTRUCTIONS



WARNING

RISK OF EXPLOSION OR FIRE CAUSING SERIOUS INJURY OR DEATH!

Do not allow sparks from the motor or pressure switch to come in contact with flammable vapors, combustible dust, gases or other combustible materials.

When using the air compressor for spray painting, place the air compressor as far away from the work area as possible, using extra air hoses instead of extension cords.



DANGER

RISK OF ELECTROCUTION!

Improper connection of the equipment-grounding conductor can result in a risk of shock or electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the outlet is properly grounded. This product is factory equipped with a specific electric cord and plug based on the units voltage and amperage rating. This is for connection to a proper electric circuit. Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product. If the product must be reconnected for use on a different type of electric circuit, the reconnection shall be made by qualified service personnel. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.



WARNING

RISK OF ELECTRICAL SHOCK!

This product must be grounded. If there should be a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding type plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

INITIAL SET-UP:

1. Remove the air compressor from the carton.
2. Read safety warnings before setting-up air compressor.
3. Remove the oil travel plug in the crankcase cover and insert the oil dipstick. Ensure the oil level in the air compressor pump is adequate. If low, add SAE non-detergent oil as recommended below:

Ambient Temperature SAE Viscosity

0-32°F	SAE 10W
32-80°F	SAE 20W
60-103°F	SAE 30W

LOCATION:

1. In order to avoid damaging an oil lubed air compressor, do not incline the air compressor transversely or longitudinally more than 10°.
2. Place air compressor at least 12 inches away from obstacles that may prevent proper ventilation. Do not place air compressor in an area:
 - where there is evidence of oil or gas leaks.
 - where flammable gas vapors or materials may be present.
 - where air temperatures fall below 32°F or exceed 104°F.
 - where extremely dirty air or water could be drawn into the air compressor.

ELECTRICAL:

1. USE OF AN EXTENSION CORD IS NOT RECOMMENDED because it could cause the compressor motor to overheat. It's recommended to use additional air hose instead of an extension cord.
2. If use of an extension cord is unavoidable, it should be plugged into a GFCI found in circuit boxes or protected receptacles. When using an extension cord, observe the following:

Ampere Rating Range	Voltage	Length of cord in ft					
	120V	25 ft	50 ft	100 ft	150 ft	200 ft	250 ft
	240V	50 ft	100 ft	200 ft	300 ft	400 ft	500 ft
8 - 10	18	14	12	10	8	8	8
10 -12	16	14	10	8	8	6	6
12 - 14	16	12	10	8	6	6	6
14 - 16	16	12	10	8	6	6	6
16 - 18	14	12	8	8	6	4	4
18 - 20	14	12	8	6	6	4	4

3. 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 compressor.
4. Examine power cord before using. Do not use the compressor if the cord is damaged. **Do not use a damaged extension cord.**
5. Keep cords away from heat and sharp edges. Do not pull on a cord to disconnect a plug -- grasp the plug.
6. Always shut off the compressor pressure switch before unplugging the compressor.

MAINTENANCE INSTRUCTIONS:

Read the instruction manual before performing maintenance. The following procedures must be performed when stopping the air compressor for maintenance or service.

1. Turn off air compressor
2. Disconnect power cord from the power source.
3. Open all drains.
4. Wait for the air compressor to cool before starting service.

MAINTENANCE CHART

AC Hand Carry Ele. Maintenance Chart

MAINTENANCE CHART				
PROCEDURE	DAILY	WEEKLY	MONTHLY	200 HOURS
Check pump oil level	X			
Oil leak inspection	X			
Drain condensation in air tank (s)	X			
Inspect guards/covers	X			
Check for unusual noise/vibration	X			
Check for air leaks	X			
Clean exterior of compressor		X		
Inspect air filter		X		
Check safety relief valve			X	
Change pump oil *				X
Replace air filter				X

*The pump oil must be changed after the first 50 hours of operation and every 200 hours or 3 months, whichever comes first. In harsh environments, maintenance must be performed on a more accelerated schedule. Every 2 years, an Authorized Service Technician should check the check valve, intake valves and delivery valves.

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
Air compressor will not start or restart.	Power cord not plugged in.	Plug power cord into grounded outlet.
	Pressure switch lever turned "OFF".	Pull the pressure switch lever up to "ON" position.
	The motor thermal overload tripped on air compressor.	Turn unit off, wait 5 minutes, then press motor thermal overload until click is heard.
	Circuit breaker tripped or fuse blown at power source.	Reset circuit breaker or replace fuse if necessary using only "Fuse-tron®" type T fuses. Check for low voltage conditions. Disconnect any other electrical appliances for circuit or operate air compressor on it's own branch circuit.
	Extension cord too long or improper wire gauge.	Use additional air hose instead of extension cord, or use proper wire gauge and cord length.
	Lack of oil in the air compressor.	Add oil.
	Air tank pressure has achieved the "Stop" pressure setting of the pressure switch.	Motor will start automatically when air tank pressure drops down to the "Start" pressure setting of the pressure switch.
	Pressure release valve on pressure switch has not unloaded pump head pressure.	Bleed the line by pushing the pressure switch to the "Off" position.
	Check valve stuck.	Remove, clean or replace.
	Defective motor, motor capacitor or pressure switch.	Replace.
Air compressor will not start, but motor hums then stops.	Incorrect voltage or, incorrect sized circuit breaker, fuse or motor. Defective motor.	Contact qualified electrician.
	Too many appliances being operated on same circuit.	Disconnect any other electrical appliances from circuit or operate air compressor on its own branch circuit.
	Extension cord too long or improper wire gauge.	Use additional air hose instead of extension cord, or use proper cord length or wire gauge.
	Loose electrical connection.	Contact qualified electrician.
	Oil weight too heavy.	Use lighter weight oil.
	Defective check valve or pressure switch.	Replace.

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
The motor thermal overload continues to trip or fails to reset.	Improper ventilation causing the pump or motor to overheat.	Move unit to a well ventilated area.
	Defective head gasket or faulty (reed) valve.	Repair or replace gaskets and valves. Torque head bolts to 17ft./lbs.
	Faulty motor thermal overload.	Replace thermal overload. Contact motor repair center if still having problems.
Motor runs continuously.	Pressure switch does not shut off motor when air compressor reaches "Stop" pressure and safety relief valve activates.	Push the pressure switch lever to the "OFF" position. If the motor does not shut off, unplug the air compressor. If the electrical contacts are welded together, replace the pressure switch.
	Air compressor is not large enough for air required.	Check the accessory air requirement. If it is higher than the CFM or pressure supply of the air compressor, you need a larger air compressor.
Air compressor starts but does not build up pressure.	Air bleed off line is loose.	Tighten connection.
Noisy operation.	Lack of oil in the pump.	Add correct amount of oil. Check for bearing damage.
	Carbon deposits on pistons or valves.	Remove cylinder head and inspect. Clean or replace valve plate.
	Bearing, piston or connecting rod failure.	STOP THE AIR COMPRESSOR! Contact your Mi-T-M® Customer Service.
Pressure loss in system.	Air tank drain valve is open.	Completely close air tank drain valve.
	Air leaks at connections.	Allow the air compressor to build pressure to the maximum allowed. Turn off and brush a soapy water solution onto all connections. Check connections for air bubbles. Tighten the connections where leaks are present.
	Defective check valve.	Remove, clean or replace.
	Air leak in air tank.	Air tank must be replaced. Do not attempt to repair air tank!

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
Insufficient pressure at air tool or accessory.	Pressure regulator not turned to high enough pressure or defective.	Adjust pressure regulator to proper setting or replace.
	Air leaks or restrictions.	Check for leaks and repair.
	Restricted air intake filter.	Clean or replace air intake filter.
	Hose or hose connections are too small or long.	Replace with larger hose or connectors.
	Air compressor is not large enough for air requirement.	Check the accessory air requirement. If it is higher than the CFM or pressure supply of the air compressor, you need a larger air compressor.
	Restricted check valve.	Clean or replace.
Air compressor not making enough air.	Restricted air intake filter.	Clean or replace.
	Defective (reed) valve.	Drain air tank and measure pump up time. Compare to specifications. If lower, remove pump head and inspect valve plate, clean or replace.
Air leaks from easy start valve.	Defective or incorrectly sized easy start valve.	If air tank pressure gauge registers over 40 PSI, easy start valve is defective. Replace.
		If air tank pressure gauge registers under 40 PSI, your altitude may require an easy start valve with a lower PSI rating.
Air continues to leak at pressure switch bleed off while motor is running.	Defective pressure switch.	Replace.
	Air bleed off line is loose.	Tighten connection.
Air continues to leak at pressure switch bleed off while motor is stopped.	Defective check valve.	Remove, clean or replace.
Air blowing from air intake filter.	Defective inlet (reed) valve.	Replace.
Air leaks at pump.	Defective gaskets.	Replace gaskets and torque head bolts as stated in parts list.
Air leaks from safety relief valve.	Possible defective safety relief valve.	Operate safety relief valve manually by pulling on ring. If it still leaks, it should be replaced.
	Excessive air tank pressure.	Defective pressure switch. Reset or replace.

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY
Moisture in discharge air.	Condensation in air tank caused by high level of atmospheric humidity.	Drain air tank after every use. Drain air tank more often in humid weather and use an air line filter.
Excessive oil consumption or oil in hose.	Restricted air intake filter.	Remove air filter, clean or replace.
	Air compressor on unlevel surface.	Do not incline the air compressor more than 10° in any direction while running.
	Crankcase overfilled with oil.	Drain oil. Refill to proper level with SAE-30W non-detergent oil.
	Wrong viscosity.	Check oil recommendation for temperature range on page 12.
	Plugged oil dipstick vent.	Clean.
	Oil leaks.	Tighten pump bolts to torque stated in parts list, or replace gaskets.
	Worn piston rings or scored cylinder.	Contact your Mi-T-M® Customer Service.
Oil has milky appearance.	Water in oil due to condensation.	Change oil and move air compressor to a less humid environment.



**Mi-T-M HAND CARRY ELECTRIC
AIR COMPRESSOR STATEMENT OF WARRANTY**

Mi-T-M Corporation warrants all parts, (except those referred to below), of your new air compressor to be free from defects in materials and workmanship during the following periods:

For One (1) years from the date of original purchase:
Compressor Pump Plumbing
Tank Assembly

For Six (6) months from date of original purchase:
Pressure Switch Regulator
Check Valve Copper Line

For Ninety (90) days from the date of original purchase:
Pressure Gauges Safety Relief Valves
Drain Valves

Defective parts not subject to normal wear and tear will be repaired or replaced at our option during the warranty period. In any event, reimbursement is limited to the purchase price paid.

EXCLUSIONS

1. Engine is covered under separate warranty by its respective manufacturer and is subject to the terms set forth therein.
2. Normal wear parts:
Isolators Air Filter
3. This warranty does not cover parts damaged due to normal wear, abnormal conditions, misapplication, misuse, accidents, operation at other than recommended speeds, pressures or temperature, improper storage or freight damage. Parts damaged or worn by operation in dusty environments are not warranted. Failure to follow recommended operating and maintenance procedures also voids warranty.
4. Labor charges, loss or damage resulting from improper operation, maintenance (other than routine air tank draining and oil changes, if applicable) or repairs made by persons other than a Mi-T-M Authorized Service Center.
5. The use of other than Genuine Repair Parts will void warranty. Parts returned, prepaid to our factory or to an Authorized Service Center will be inspected and replaced free of charge if found to be defective and subject to warranty. Under no circumstances shall the manufacturer bear any responsibility for loss of use of the unit, loss of time or rental, inconvenience, commercial loss or consequential damages. There are no warranties which extend beyond the description of the face hereof.

For Service or Warranty consideration, contact:
Mi-T-M Corporation, 8650 Enterprise Drive, Peosta, IA 52068-0050
563-556-7484 / 800-553-9053 / Fax 563-556-1235
Monday-Friday 8:00 a.m. - 5:00 p.m. CST

