READ ALL S.	SAFETY WARNINGS AFETY WARNINGS BEFORE USING A POTENTIAL CONSEQUENCE	R COMPRESSOR PREVENTION
RISK FROM NEGLIGENCE	M Risk of injury from negligent use. Never allow	
RISK OF AIR COMPRESSOR DAMAGE	Risk of major repair.	Do not operate air compressor without an air filter. Do not operate air compressor in a corrosive environment. Always operate the air compressor in a stable, secure position to prevent air compressor from falling. Follow all maintenance instructions listed in this manual.

! SAVE THESE INSTRUCTIONS!

Work Pro Gasoline Air Compressor Manual

Work Pro Gasoline Air Compressor Manual

EXPLODED VIEW & EXPLANATION OF AIR COMPRESSOR FEATURES



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 reseat.



PILOT VALVE: When the toggle is in the upright position, all air from the air compressor is vented through the discharge muffler. This gives an easy start feature. For normal operation, the toggle is in the 90° position.



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.



OIL FILL PORT/VENT: Pour oil into the Oil Fill Port/Vent when required.

OIL SIGHT GLASS: The Oil Sight Glass displays the oil level in the pump. The oil level should be at the center of the Oil Sight Glass. If low, add SAE 30W non-detergent oil.

AIR COMPRESSOR PUMP: To compress air, the pistons move up and down in the cylinders. On the downstroke, air is drawn in through the air intake valves while the exhaust valves remain closed. On the upstroke, air is compressed, the intake valves close and compressed air is forced out through the exhaust valves, into the discharge line, through the pilot valve and into the air tank.



AIR TANK PRESSURE GAUGE: The air tank pressure gauge indicates the reserve air pressure in the air tank (s).

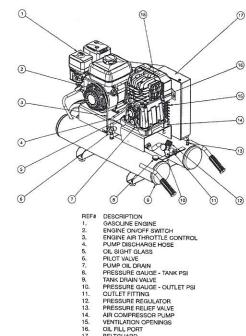
PRESSURE REGULATOR: The air pressure coming from the air tank is controlled by the regulator knob. Turn the pressure regulation knob clockwise to increase discharge pressure, and counterclockwise to decrease discharge pressure. (Actual delivered pressure may vary from pump maximum pressure rating)

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 TANK DRAIN VALVE: The drain valve is used to remove moisture from the air tank(s) 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 tankl. To open the drain valve, turn the knob counterclockwise.

WORK PRO GASOLINE AIR COMPRESSOR FEATURES (SINGLE STAGE)



OIL FILL PORT BELTGUARD AIR FILTER



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 MATTER!

INTRODUCTION

Congratulations on the purchase of your new Work Pro Air Compressor! You can be assured your Work Pro 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 troublefree operation from you new Work Pro Air Compressor. The contents of this manual are based on the latest product information available at the time of publication. Work Pro 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 <u>death or serious injury</u>.

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

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.

INSPECTION

Unbox the air compressor and write in the serial number in the space provided below. Inspect for signs of obvious or concealed freight damage. Be sure that all damaged parts are replaced and any mechanical problems are corrected prior to the operation of the air compressor.

SERIAL NUMBER

If you have questions, contact your Mi-T-M^{et} Customer Service Representative at 1-800-553-9053
Please have the following information available for all service calls:

1. Model Number
2. Serial Number
3. Date and Place of Purchase
Mi-T-M^{et} Corporation 50 Mi-T-M Drive, Peosta, IA 52068

Work Pro Gasoline Air Compressor Manual



SAFETY WARNINGS

SAFETY WARNINGS

WARNING: WHEN USING THIS PRODUCT, BASIC PRECAUTIONS SHOULD ALWAYS BE OBSERVED, INCLUDING
THE FOLLOWING. READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR POTENTIAL CONSEQUENCE PREVENTION

HAZARD RISK OF EXPLOSION OR FIRE



Serious injury or death may occur from normal sparks in the engine ignition system or engine exhaust/ muffler.

Always operate air compressor in a well ventilated area free of flammable vapors, combustible dust, gases or other combustible materials.

Injury or death may occur as a result of improper fueling.

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.) Do not smoke while filling engine

Never fill the engine fuel tank while the engine is running or hot. Allow the engine to cool two minutes before refueling.

Do not refuel indoors or in a poorly ventilated area.

Always refuel slowly to avoid the possibility of spilled fuel which may cause a risk of fire.

Do not operate the unit if gasoline is spilled. Wipe the air compressor clean and move it away from the spill. Avoid creating any ignition until the gasoline has evaporated.

Do not store the air compressor near an open fiame or any equipment such as a stove, furnace, water heater, etc. which utilizes a pilot light or sparking device.

A spark arrester must be added A spark arrester must be added to the muffler of this engine if it is to be used on any forest covered, brush covered or grass covered unimproved land. The arrester must be maintained in effective working order by the operator.

Serious injury may occur if any air compressor ventilation openings are restricted, causing the air compressor to overheat and start a fire. Never place objects against or on top of air compressor. Operate air compressor at least 12 inches away from any wall or obstruction that vould restrict proper ventilation

Work Pro Gasoline Air Compressor Manual



SAFETY WARNINGS READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR



RISK OF BURSTING

RISK TO

BREATHING

HAZARD

POTENTIAL CONSEQUENCE PREVENTION Serious injury or death may occu from an air tank explosion if air tanks are not properly maintained

Drain air tank daily or after each use to prevent moisture buildup in the air tank. If 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.

Never make adjustments to the factory set pressures.

Never exceed manufacturers maximum allowable pressure rating of attachments.

Because of extreme heat, do not use plastic pipe or lead tin soldered joints for a discharge line.

Never use air compressor to inflate small, low pressure objects such as toys. Never inhale air from the air

Serious injury or death could occur from inhaling compressed air. The air stream may contain carbon monoxide, toxic vapors or solid particles. compressor either directly or from a breathing device connected to the air compressor.

Serious injury or death may occur from inhaling engine exhaust.

Sprayed materials such as paint,

paint solvents, paint remover, insecticides, weed killers, etc. contain harmful vapors and

poisons.

Serious injury may occur from an air compressor malfunction or exploding accessories if incorrect system components, attachments or accessories are used.

This air compressor was designed for outdoor use. Never operate this air compressor in an enclosed area. Always make certain there is adequate ventilation (fresh outside air) for breathing and combustion. This will prevent the buildup of dangerous carbon monoxide gases. Beware of poorly ventilated areas, or areas with inadequate exhaust fans.

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





parts. These areas can remain hot for some time after the air npressor is shutdown.

Serious injury could occur from touching exposed metal

SAFETY WARNINGS
READ ALL SAFETY WARNINGS BEFORE USING A
HAZARD POTENTIAL CONSEQUENCE
RISK Serious injury could prome.

IG AIR COMPRESSOR CE PREVENTION Never allow any part of your body or other materials to make contact with any exposed metal parts on

> Never allow any part of your body to contact the engine muffler or adjacent areas.

RISK OF FLYING OBJECTS



RISK OF BURNS



Soft tissue damage can occur

Always wear safety glasses to shield the eyes from flying debris.

Never point the air stream at any part of your body, anyone else or

Never leave pressurized air in the air compressor. Shut off air compressor and relieve pressure when storing or attempting maintenance.

Serious injury can occur from loose debris being propelled at a high speed from the compressed air stream.

Wways maintain a safe distance from people and animals while operating the air compressor,

Do not move the air compressor while air tank is under pressure. Do not attempt to move the air compressor by pulling on the hose.

RISK FROM MOVING PARTS



Risk of bodily injury from moving

Before performing maintenance, always turn off air compressor. Bleed pressure from the air hose and disconnect spark plug wire to prevent engine from starting unexpectedly. All repairs to the air compressor should be made by an Authorized Service person.

Do not operate without protective covers/guards. Always turn off air compressor before removing any guard. Replace damaged covers/guards before using the air

PREPARATION

WARNING RISK OF EXPLOSION OR FIRE CAUSING SERIOUS INJURY OR DEATH!

Do not allow the engine or muffler to come in contact with flammable vapors, com-bustible dust, gases or other combustible materials. A spark may cause a fire.

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 if needed.

INITIAL SET-UP:

Read safety warnings before setting-up air compressor. Ensure the oil level in the air compressor pump is adequate. If low, add SAE 30W non-detergent oil.

LOCATION:

- In order to avoid damaging the air compressor, do not incline the air compressor transversely or longitudinally more than 10°.

 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 leasts, be present,
 -where fammatte gas vapors or materials may be present,
 -where air temperatures fail below 32° or exceed 104°F.

 -where extremely dirty air or water could be drawn into the air
 -compressor.

DANGER
RISK OF EXPLOSION OR FIRE
CAUSING SERIOUS INJURY
OR DEATH!
Do not smoke while fueling!

Do not smoke while fueling!
Do not fill fuel tank while air
compressor is running or not.
Allow air compressor and
engine to cool down for two
minutes before refueling.
Do not fill fuel tank to point
of overflowing. Allow
approximately 11/4" of tank
space for fuel expansion.

WARNING
RISK OF EXPLOSION OR FIRE
CAUSING SERIOUS INJURY
OR DEATH
Do not place unit in an area
where flammable gas vapors
may be present. A Spark could
cause an explosion or fire.

Always store fuel away from the air compressor while it is running or hot.

MARNING
RISK OF ASPHYXIATION
Do not operate in an enclosed
bo not operate in an enclosed
in well ventilated areas! The
exhaust from the engine
contains carbon monoxide,
a poisonous, odorless and
nvisible gas. Breathing the
nvisible gas. Breathing the
invisible day.

MARNING NEW ARNING
RISK OF BODILY INJURY!
Never attempt to open the
Air Tank Drain Valve when
more than 10 PSI of air pressure is in the air tank!

GASOLINE ENGINE:

- Review "Risk of Fire or Explosion" pg. 4 before fueling.
 Read the engine manual accompanying this air compressor for
 correct engine start-up maintenance procedures.
 Read and understand the safety labels located on the air compressor.
 A minimum of 86 octane fuel is recommended for use with this air
 compressor. Do not mix oil with gasoline.
 Use of clean, fresh lead free gasoline is recommended. Leaded gasoline
 may be used if lead free is not available. Do not use gasoline
 check the primation of aschools cell staffing. (See engine manual.)
 Fill the fuel tank according to the engine manual instruction.
 Refer to the engine manual for all necessary maintenance and
 adjustments.

PRE-START CHECKLIST:

- 1. Check oil level. Add if necessary.
 2. Remove any moisture in the air compressor air tank. NEVER attempt to open the Air Tank Drain Valve when more and 10 PSI of air pressure is in the air tank! Remove excessive pressure with an air tool, then open the Air Tank Drain Valve in the bottom of the air rank. Close tightly when drained? position.

 3. Make sure the Engine Switch is in the "OFF" position.

 4. Make sure the Safety Relief Valve is working correctly.

 5. Make sure the Tank Drain Valve in the Compression of the air valve is working correctly.

Work Pro Gasoline Air Compressor Manual

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY		
Engine will not start.	Various engine problems.	Refer to the engine manual accompanying your air compressor.		
	Low engine oil level,	Engine is equipped with an Oil Alert System which will not allow the en- gine to start if oil level is low. Add oil, if needed.		
Noisy operation.	Loose engine pulley or pump flywheel.	Tighten pulley and or flywheel.		
	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.		
	Bearing, piston or connecting rod failure.	STOP THE AIR COMPRESSOR! Contact Mi-T-M Customer Service.		
Pressure drop in air tank or rapid pressure loss when air compressor is shut off.	Air leaks at connections.	Allow air compressor to build pres- sure to the maximum allowed. Turn off and brush a soapy water solution onto all connections. Check connec- tions for air bubbles. Tighten the con- nections where leaks are present.		
	Air leak in air tank.	Air tank must be replaced. Do not		
		attempt to repair air tankl		
	Defective Pilot Valve.	Clean or replace.		
Insufficient pressure at air tool or accessory.	Pressure Regulator not turned to high enough pressure or defec- tive.	Adjust Pressure Regulator to proper setting or replace.		
	Restricted air intake.	Clean or replace Air Intake Filter.		
	Air leaks or restrictions.	Check for leaks and repair.		
	Hose or hose connections are too small or long.	Replace with larger hose or connectors.		
	Slipping belt,	Tighten or replace.		
	Air compressor is not large enough for air requirement.	Check the accessory air requirement. If it is higher than the CFM or pressure supply to the air compressor, use a larger air compressor.		
	Restriction in Pilot Valve.	Clean or replace.		
vir leaks from Safety Relief /alve	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.	Clean, reset or replace Pilot Valve.		

OPERATION

START-UP
1. Read safety warnings before performing operation.

2. Filip the toggle on top of the Pilot Valve to the upright position. This provides a loadless start. The air start of the season will unload and allow assier engine start-up.

3. Start season will unload and allow assier engine start-up.

4. When the engine has run for 1-2 minutes, filo toggle back to the original position.

5. Set pressure by adjusting the Pressure Regulator counterctockwise for less pressure and clockwise for more pressure.

6. If you notice any unusual noise or vibration, stop the air compressor and refer to "Troubleshooting".

5. If you have any unlessed make a reason of the second of the "Off" position. (Refer to the Engine Manual To stop the air compressor, move the Engine Switch to the "Off" position. (Refer to the Engine Manual To the Switch Sw

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 spark plug wire from engine. 3. Open all drains.

- Open all drains.
 Wait for the air compressor to cool before starting service.

MAINTENANCE CHART

MAINTENANCE CHART						
PROCEDURE	DAILY	WEEKLY	MONTHLY	200 HOUR		
Check pump oil level	×					
Check engine oil level	×		18/200			
Oil leak inspection	×	lanes.				
Check engine air filter	×			Language and		
Drain condensation in air tank (s)	×					
Pepect guards/covers	×					
Check for unusual noise/ribration	×					
Check for air leaks	×					
Clean exterior of compressor	7525	x				
Popect air filter		x				
Inspect belt	eray II		×			
Check safety reset valve			×			
Change pump oil *				×		
Replace air filter				x		
Check engine spark plug			(1000)	×		

ged after the first 50 hours of operation and every 200 hours or 3 months,

whichever comes first.
The engine oil must be changed after the first 8 hours of operation and every 50 hours or 3 months, whichever comes first.
Every 2 years, an Authorized Service Technician should check the check valve, intake valves and delivery valves.

Work Pro Gasoline Air Compressor Manual

TROUBLESHOOTING

SYMPTOM	PROBABLE CAUSE	REMEDY Torque head bolts: Single Stage= 1' ft./lbs. Two Stage= 33 ft./lbs.	
Air leaks at pump.	Defective gaskets.		
Air blowing from Air Intake Filter.	Defective inlet (reed) valve.	Contact Mi-T-M Customer Service.	
Moisture in discharge air.	Condensation in air tank caused by high level of atmospheric humidity or air compressor is not run long enough.	Run air compressor a minimum of one hour to prevent condensetor buildup. Drain air tank after every use. Drain air tank more often in h mid weather and use an air line filt	
Excessive oil consumption or ail in hose.	Restricted Air Intake 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.	Drain oil, Refill to proper level with SAE-30W non-detergent oil.	
	Plugged oil dipstick vent.	Clean.	
	Plugged crankcase breather.	Clean or replace.	
	Oil leaks.	Torque head bolts: Single Stage= 17 ft./lbs. Two Stage= 33 ft./lbs.	
	Worn piston rings or scored cylinder.	Contact Mi-T-M Customer Service.	
Dil has milky appearance.	Water in oil due to condensation.	Change oil and move air compressor to a less humid environment.	