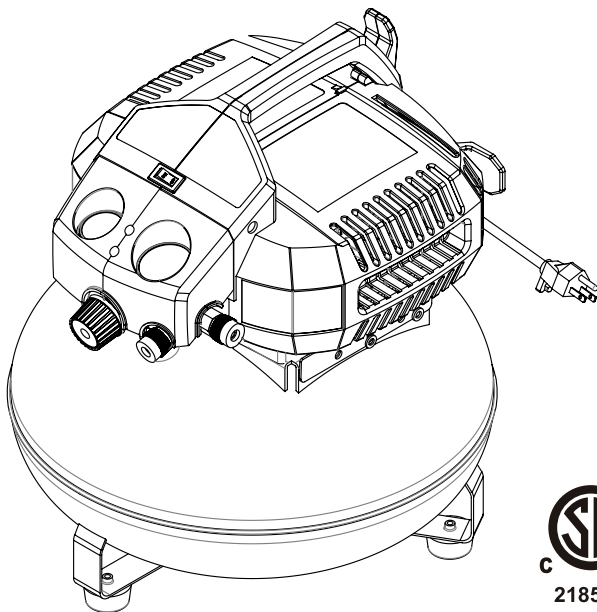


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**greenworks**

**6 G  
PANCAKE AIR COMPRESSOR  
41522**



**Owner's Manual**

**TOLL-FREE HELPLINE: 1-888-90WORKS (888.909.6757)**

[www.GreenWorksTools.com](http://www.GreenWorksTools.com)

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 Read all safety rules and instructions carefully before operating this tool.

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## PRODUCT SPECIFICATIONS

### 6 GALLON PANCAKE COMPRESSOR

Motor.....	Universal
Running horsepower.....	.2HP
Tank size.....	6 U.S.GALLONS
Air delivery (SCFM*) @ 40 PSI.....	3.5
Air delivery (SCFM*) @ 90 PSI.....	2.6
Cut-in pressure (PSI).....	120
Cut-out pressure (PSI).....	150
Power .....	1500 Watts
Weight .....	35 lbs



# GENERAL SAFETY RULES

## IMPORTANT SAFETY INSTRUCTIONS



### **WARNING**

Do not operate this unit until you read and understand this instruction manual for safety, operation and maintenance instructions.

### **HAZARD**



#### **RISK OF EXPLOSION OR FIRE**

<b>WHAT CAN HAPPEN</b>	<b>HOW TO PREVENT IT</b>
1. It is normal for electrical contacts within the motor and pressure switch to spark.	1. Always operate the compressor in a well ventilated area free of combustible materials, gasoline, or solvent vapors.
2. If electrical sparks from compressor come into contact with flammable vapors, they may ignite, causing fire or explosion.	2/1 If spraying flammable materials, locate compressor at least 20 feet (6.1 m) away from spray area. An additional length of air hose may be required. 2/1 Store flammable materials in a secure location away from compressor.
3. Restricting any of the compressor ventilation openings will cause serious overheating and could cause fire.	3/1 Never place objects against or on top of compressor. 3/2 Operate compressor in an open area at least 12" (30.5 cm) away from any wall or obstruction that would restrict the flow of fresh air to the ventilation openings. 3/3 Operate compressor in a clean, dry well ventilated area. Do not operate unit indoors or in any confined area.
4. Unattended operation of this product could result in personal injury or property damage. To reduce the risk of fire, do not allow the compressor to operate unattended.	4/1 Always remain in attendance with the product when it is operating. 4/2 Always turn off and unplug unit when not in use.

# GENERAL SAFETY RULES



## RISK TO BREATHING (ASPHYXIATION)

WHAT CAN HAPPEN	HOW TO PREVENT IT
1. The compressed air directly from your compressor is not safe for breathing. The air stream may contain carbon monoxide, toxic vapors, or solid particles from the air tank. Breathing these contaminants can cause serious injury or death.	1. Air obtained directly from the compressor should never be used to supply air for human consumption. In order to use air produced by this compressor for breathing, suitable filters and in-line safety equipment must be properly installed. In-line filters and safety equipment used in conjunction with the compressor must be capable of treating air to all applicable local and federal codes prior to human consumption.
2. Exposure to chemicals in dust created by power sanding, sawing, grinding, drilling, and other construction activities may be harmful.	2. Work in an area with good cross ventilation. Read and follow the safety instructions provided on the label or safety data sheets for the materials you are spraying. Always use certified safety equipment: NIOSH/OSHA respiratory protection or properly fitting face mask designed for use with your specific application.



## RISK OF BURSTING

**Air Tank:** On February 26, 2002, the U.S. Consumer Product Safety Commission published Release # 02-108 concerning air compressor tank safety: Air compressor receiver tanks do not have an infinite life. Tank life is dependent upon several factors, some of which include operating conditions, ambient conditions, proper installations, field modifications, and the level of maintenance. The exact effect of these factors on air receiver life is difficult to predict. If proper maintenance procedures are not followed, internal corrosion to the inner wall of the air receiver tank can cause the air tank to unexpectedly rupture allowing pressurized air to suddenly and forcefully escape, posing risk of injury to consumers.

# GENERAL SAFETY RULES

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The following conditions could lead to a weakening of the air tank, and result in a violent air tank explosion:

WHAT CAN HAPPEN	HOW TO PREVENT IT
1. Failure to properly drain condensed water from air tank, causing rust and thinning of the steel air tank.	1. Drain air tank daily or after each use. If air tank develops a leak, replace it immediately with a new air tank or replace the entire compressor.
2. Modifications or attempted repairs to the air tank.	2. Never drill into, weld, or make any modifications to the air tank or its attachments. Never attempt to repair a damaged or leaking air tank. Replace with a new air tank.
3. Unauthoriaed modifications to the safety valve or any other components which control air tank pressure.	3. The air tank is designed to withstand specific operating pressures. Never make adjustments or parts substitutions to alter the factory set operating pressures.

## Attachments & accessories:

1. 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.	1. Follow the equipment manufacturers recommendation and never exceed the maximum allowable pressure rating of attachments. Never use compressor to inflate small low pressure objects such as children's toys, footballs, basketballs, etc.
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## Tires:

1. Over inflation of tires could result in serious injury and property damage.	1. Use a tire pressure gauge to check the tires pressure before each use and while inflating tires; see the tire sidewall for the correct tire pressure.  <b>NOTE:</b> Air tanks, compressors and similar equipment used to inflate tires can fill small tires very rapidly. Adjust pressure regulator on air supply to no more than the rating of the tire pressure. Add air in small increments and frequently use the tire gauge to prevent over inflation.
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# GENERAL SAFETY RULES

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## RISK FROM FLYING OBJECTS



WHAT CAN HAPPEN	HOW TO PREVENT IT
1. The compressed air stream can cause soft tissue damage to exposed skin and can propel dirt, chips, loose particles, and small objects at high speed, resulting in property damage or personal injury.	<p>1/1 Always wear certified safety equipment: ANSI Z87.1 eye protection (CAN/CSA Z94.3) with side shields when using the compressor.</p> <p>1/2 Never point any nozzle or sprayer toward any part of the body or at other people or animals.</p> <p>1/3 Always turn the compressor off and bleed pressure from the air hose and air tank before attempting maintenance, attaching tools or accessories.</p>

## RISK OF HOT SURFACES



WHAT CAN HAPPEN	HOW TO PREVENT IT
1. Touching exposed metal such as the compressor head, engine head, engine exhaust or outlet tubes, can result in serious burns.	<p>1/1 Never touch any exposed metal parts on compressor during or immediately after operation. Compressor will remain hot for several minutes after operation.</p> <p>1/2 Do not reach around protective shrouds or attempt maintenance until unit has been allowed to cool.</p>

# GENERAL SAFETY RULES



## RISK FROM MOVING PARTS

WHAT CAN HAPPEN	HOW TO PREVENT IT
1. Moving parts such as the pulley, flywheel, and belt can cause serious injury if they come into contact with you or your clothing.	1/1 Never operate the compressor with guards or covers which are damaged or removed. 1/2 Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. 1/3 Air vents may cover moving parts and should be avoided as well.
2. Attempting to operate compressor with damaged or missing parts or attempting to repair compressor with protective shrouds removed can expose you to moving parts and can result in serious injury.	2. Any repairs required on this product should be performed by authorized service center personnel.



## RISK OF UNSAFE OPERATION

WHAT CAN HAPPEN	HOW TO PREVENT IT
1. Unsafe operation of your air compressor could lead to serious injury or death to you or others.	1 Review and understand all instructions and warnings in this manual. 2 Become familiar with the operation and controls of the air compressor. 3 Keep operating area clear of all persons, pets, and obstacles. 4 Keep children away from the air compressor at all times. 5 Do not operate the product when fatigued or under the influence of alcohol or drugs. Stay alert at all times. 6 Never defeat the safety features of this product. 7 Equip area of operation with a fire extinguisher. 8 Do not operate machine with missing, broken, or unauthorized parts.

# GENERAL SAFETY RULES



## RISK OF FALLING

WHAT CAN HAPPEN	HOW TO PREVENT IT
1 A portable compressor can fall from a table, workbench, or roof causing damage to the compressor and could result in serious injury or death to the operator.	1 Always operate compressor in a stable secure position to prevent accidental movement of the unit. Never operate compressor on a roof or other elevated position. Use additional air hose to reach high locations.



## RISK FROM NOISE

WHAT CAN HAPPEN	HOW TO PREVENT IT
1 Under some conditions and duration of use, noise from this product may contribute to hearing loss.	1 Always wear certified safety equipment: ANSI S12.6 (S3.19) hearing protection.

## SAVE THESE INSTRUCTIONS FOR FUTURE USE

### GLOSSARY

Become familiar with these terms before operating the unit.

**CFM:** Cubic feet per minute.

**SCFM:** Standard cubic feet per minute; a unit of measure of air delivery.

**PSI:** Pounds per square inch gauge; a unit of measure pressure.

Code Certification: Products that bear one or more of the following marks: UL<sup>®</sup>\*, CUL, ETL<sup>®</sup>\*, CETL, have been evaluated by OSHA certified independent safety laboratories and meet the applicable Standards for Safety.

\*UL<sup>®</sup> is a registered trademark of Underwriters Laboratories and ETL<sup>®</sup> is a registered trademark of Electrical Testing Laboratories.

**Cut-In Pressure:** While the motor is off, air tank pressure drops as you continue to use your accessory. When the tank pressure drops to a certain low level the motor will restart automatically. The low pressure at which the motor automatically restarts is called "cut-in" pressure.

**Cut-Out Pressure:** When an air compressor is turned on and begins to run, air pressure in the air tank begins to build. It builds to a certain high pressure before the motor automatically shuts off, protecting your air tank from pressure higher than its capacity. The high pressure at which the motor shuts off is called "cut-out" pressure.

**Branch Circuit:** Circuit carrying electricity from electrical panel to outlet.

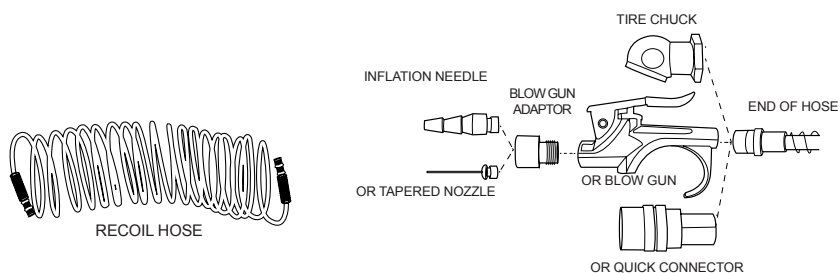
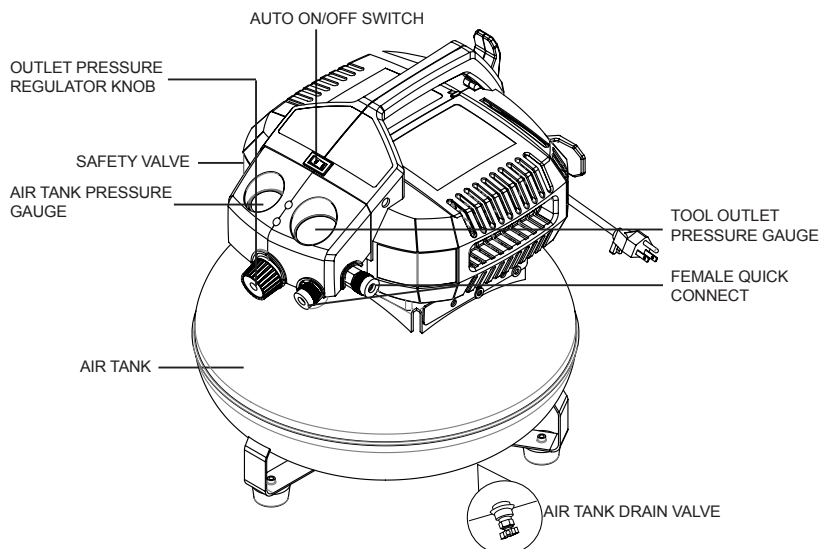
### ACCESSORIES

Includes: Recoil Hose, Blow gun, 1/4" Quick connector, Tire chuck, Inflation needle  
Blow gun adaptor, Tapered nozzle, Plumber's tape

# KNOW YOUR AIR COMPRESSOR

The safe use of this product requires an understanding of the information on the tool 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 features and safety rules. (See Fig. 1)

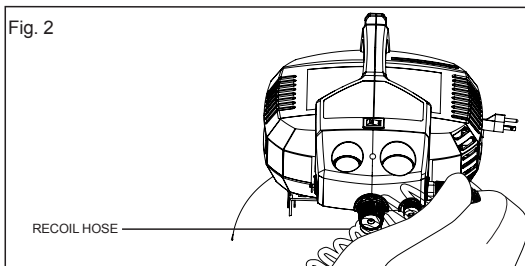
Fig. 1



# ASSEMBLY INSTRUCTION

## ATTACHING AIR HOSE TO COMPRESSOR

- 1, Using your left hand push quick connect towards the body of the compressor.
- 2, Firmly press fit the male quick connect portion on the air hose into the female quick connect and release female quick connect locking hose in place.



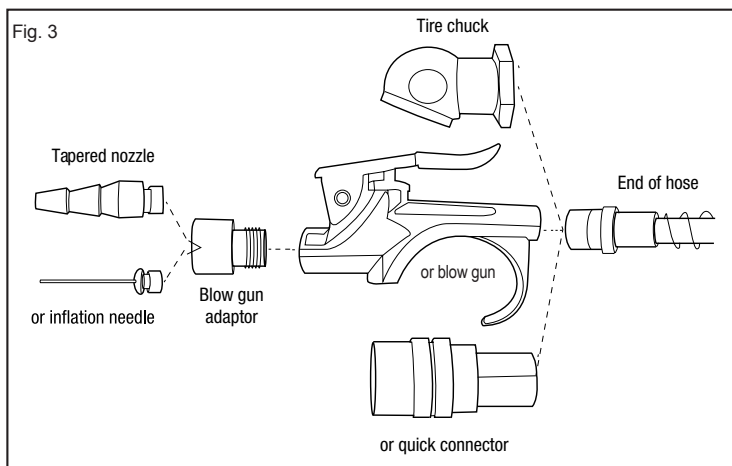
**NOTE:** When connecting or disconnecting air hose remove air from tank.

## ASSEMBLE ACCESSORIES

The unit supplied with an accessory kit, choose the accessory needed.

Assemble Accessory Kit

1. Assemble female tire chuck/blow gun/quick coupler to the end of hose and tighten securely with wrenches.
2. Assemble blow gun adaptor to the blow gun.
3. Assemble inflation needle/tapered nozzle to the blow gun adaptor.



# ASSEMBLY INSTRUCTION

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## UNPACKING

- This product requires assembly.

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## WARNING

Do not use this product if any parts on the Packing List are already assembled to your product when you unpack it. Parts on this list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.

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- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call **1-888- 909-6757** for assistance.

## PACKING LIST

- Air Compressor
- Recoil Hose P/N: 3790175A
- Accessory Kit
  - 1 *Blow gun*, P/N:37905110
  - 1 *1/4" Quick connector*, P/N:3790150-1A
  - 1 *Tire chuck*, P/N:37904110
  - 1 *Inflation needle*, P/N:37902110
  - 1 *Blow gun adaptor*, P/N:37911110
  - 1 *Tapered nozzle*, P/N:37904110
  - 1 *Plumber's tape*, P/N:37901110

- Operator's Manual

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## WARNING

If any parts are damaged or missing do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury

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## WARNING

Do not attempt to modify this product or create accessories 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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# OPERATION

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## STARTUP

1. Before each startup, make sure the power switch is in the OFF position.
2. Place air compressor on a flat, level surface.
3. Release pressure from the system. Drain moisture from the air tank by slowly opening the air tank drain valve by turning clockwise. Once all the moisture has drained out, close the fitting securely.

**NOTE:** Air tank will not pressurize while drain valve is open.

4. Turn the pressure regulator knob fully counterclockwise to close airflow from air outlet port.
5. Attach air hose and accessories.

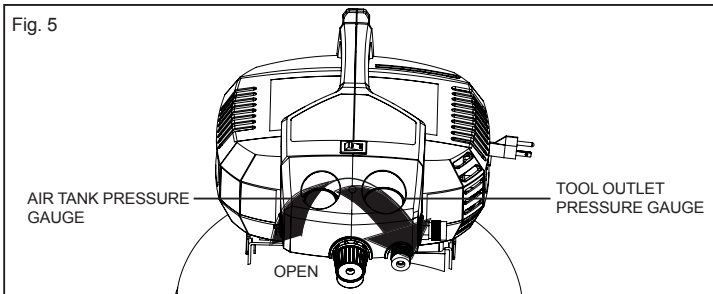
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## **⚠ WARNING**

Too much air pressure causes a hazardous risk of bursting. Check the manufacturer's maximum pressure rating for air tools and accessories. The regulator outlet pressure must never exceed the maximum pressure rating.

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6. Turn the compressor ON by moving the switch to the AUTO/ON position and allow the tank pressure to build. Once the air pressure reaches the maximum preset pressure ("cut-out" pressure) it will automatically shut off.
7. Slowly turn the pressure regulator knob clockwise to open airflow from air outlet port until desired output pressure is reached.



**NOTE:** The air compressor will automatically restart once the pressure in the air tank drops below the minimum preset pressure ( "cut-in" pressure).

# MAINTENANCE

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## **WARNING**

Disconnect air compressor from power source and bleed off all air pressure before attempting any maintenance or repair.

---

### **SHUTDOWN AND STORAGE:**

1. Turn the switch to the OFF position
2. Turn the pressure regulator knob fully counterclockwise to close airflow from air outlet port.  
Check the outlet pressure gauge to ensure that it reads 0 PSI.
3. Remove the air hose and any air accessories.
4. Drain moisture from the air tank by slowly opening the air tank drain valve by turning counter clockwise. Tilt tank to remove all moisture. Once all the moisture has drained out, close the fitting securely.
5. Allow the compressor to cool down.
6. Wipe the air compressor clean and store it in a clean, dry, and non-freezing location.

### **WHEN PERFORMING ANY MAINTENANCE OR SERVICE:**

1. The air compressor must be turned off.
  2. Open tank drain to bleed off all air pressure before attempting any maintenance or repair.
  3. Allow compressor to fully cool before attempting any maintenance or repair.
- Check the air compressor frequently for any visible problems and follow maintenance procedures each time the compressor is used.

### **MAINTENANCE CHECKLIST:**

#### **Daily:**

- Drain accumulated liquid from tank.
- Check for unusual noise and/or vibrations.
- Check that all fasteners are secure.
- Wipe compressor clean.

#### **Monthly:**

- Check for air leaks.

# TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The motor will not run or start.	The power cord is not plugged in.	Plug the power cord into a grounded outlet.
	The power switch is in the <b>0</b> (off) position.	Set the power switch to the <b>I</b> (on) position.
	The extension cord is the wrong wire gauge or is too long.	Check Technical Specifications chapter (page 2) for the proper wire gauge and cord length.
	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.
	A fuse has blown or a circuit breaker has been tripped.	Replace the fuse or reset the circuit breaker.
		Verify that the fuse has the proper amperage.
		Check for low voltage conditions.
		Disconnect any other electrical appliances from the circuit, or operate the compressor on a dedicated circuit.
	The air tank pressure exceeds the preset pressure switch limit.	The motor will start automatically when the tank pressure drops below the cut-in pressure.
	The safety valve is stuck open.	Clean or replace the safety valve.
The motor runs continuously when the power switch is in the <b>I</b> (on) position.	Electrical connections are loose.	Have the compressor serviced by a qualified technician.
	The motor, capacitor or safety valve is defective.	Have the compressor serviced by a qualified technician.
	The pressure switch does not shut off the motor when the air compressor reaches the cut-out pressure and the safety valve activates.	Set the power switch to the <b>0</b> (off) position. If the motor does not shut off, unplug the air compressor. If the pressure switch is defective, replace it.
	The compressor's capacity is not enough.	Check the air requirements of the accessory that is being used. If it is higher than the SCFM (Standard Cubic Feet per Minute, page 2) and pressure supplied by the compressor, a larger capacity air compressor is needed. Most accessories are rated at 25% of actual SCFM while running continuously.

# TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The regulator does not regulate the pressure.	The regulator or its internal parts are dirty or damaged.	Replace the regulator.
The pressure is low, or there is not enough air.	There is a leak at one of the fittings.	Check the fittings with soapy water. Tighten or reseal leaking fittings (apply Plumber's tape on threads). Do not overtighten.
	The tank drain valve is open.	Close the drain valve.
	The air intake is restricted.	Clean the ventilation openings on the motor's enclosure.
	Prolonged excessive use of air.	Decrease the amount of air used.
	There is a hole in the air hose.	Check the air hose and replace it if necessary.
	The tank leaks.	Replace the tank immediately. Do not attempt to repair it.
	The valve is leaking.	Check for worn parts, and replace them if necessary.
There is moisture in the discharge air.	There is condensation in the air tank caused by a high level of atmospheric humidity or because the air compressor has not been running long enough.	Drain the air tank after each use. Drain the air tank more often in humid weather and use an air line filter.
The compressor overheats.	The ventilation is inadequate.	Relocate the compressor to an area with cool, dry and well-circulated air.
	Cooling surfaces are dirty.	Clean all cooling surfaces on the pump and the motor thoroughly.
	The valve is leaking.	Replace worn parts and reassemble using new Teflon tape.

# LIMITED FOUR-YEAR WARRANTY

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GREENWORKS™ hereby warrants this product, to the original purchaser with **proof of purchase**, for a period of one (1) year against defects in materials, parts or workmanship. GREENWORKS™, at its own discretion will repair or replace any and all parts found to be defective, through normal use, free of charge to the customer. This warranty is valid only for units which have been used for personal use that have not been hired or rented for industrial/commercial use, and that have been maintained in accordance with the instructions in the owners' manual supplied with the product from new.

## ITEMS NOT COVERED BY WARRANTY:

This warranty applies only to the original purchaser at retail and may not be transferred. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse, neglect, alteration, modification or repair by other than an authorized service center for GREENWORKS™ branded air compressors. Consumable accessories provided with the tool such as, but not limited to, blades, bits and sand paper are not covered.

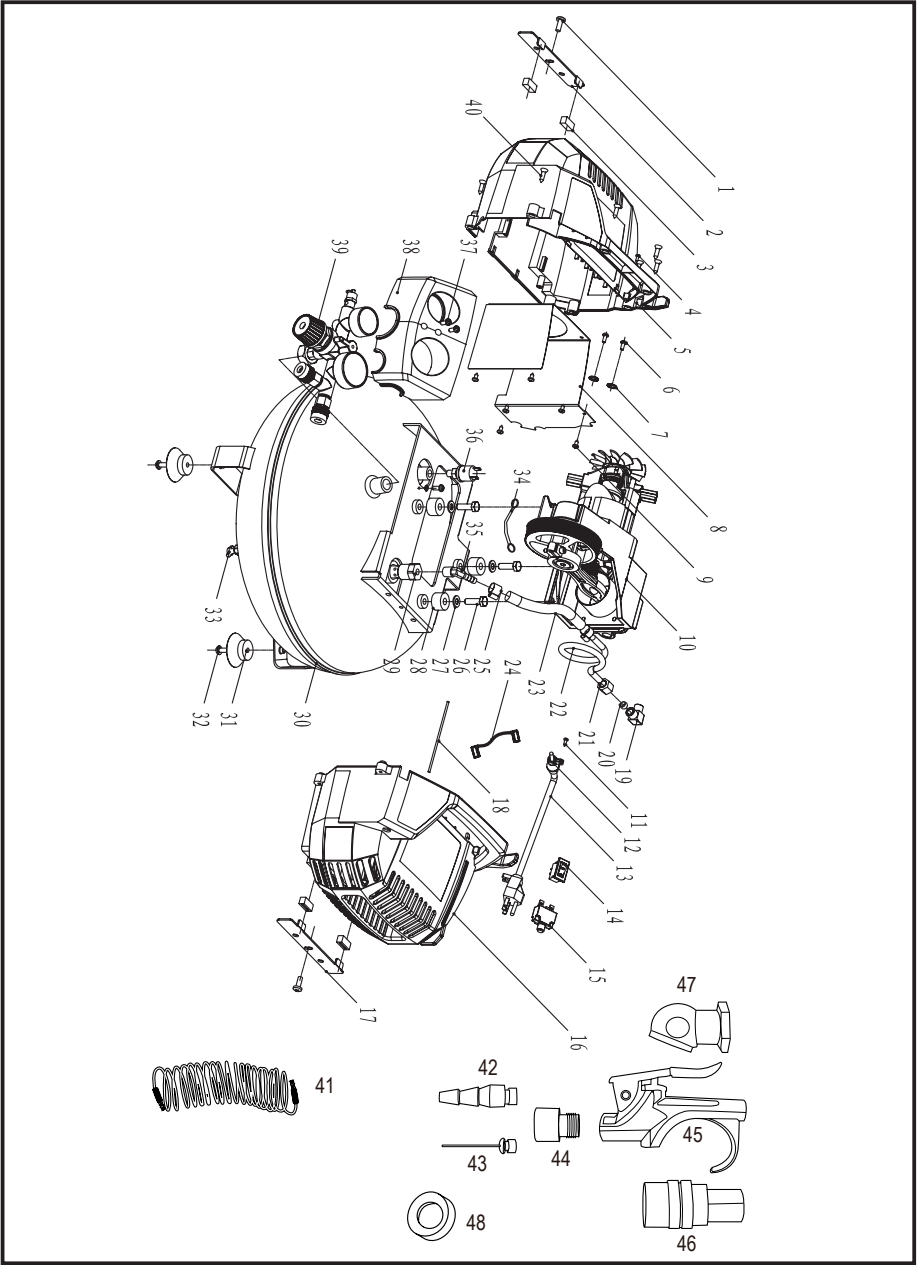
## GREENWORKS HELPLINE (1 888 90WORKS):

Warranty service is available by calling our toll-free helpline, at **1-888-909-6757 (1-888-90WORKS)**.

## TRANSPORTATION CHARGES:

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by GREENWORKS.

# EXPLODED VIEW



[illegible]

# PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	QTY
1	3220150-2	bolt	2
2	33302531-5	housing pinch plate	1
3	34202531	pinch plate pad	4
4	3220203	screw ST3x12-C	2
5	34102753	left housing	1
6	3220515	bolt M4x8	3
7	3290651	internal-tooth washer φ5	3
8	33302754	palte	1
9	32202497	bolt	6
10	31101116	6 gallon air compressor motor&pump assy	1
11	3220323	bolt ST4x10-F	1
12	3750175	wire clip	1
13	36401531	power cable	1
14	3630150-6	power switch	1
15	36302551	over-load protector	1
16	34102753	right housing	1
17	33302531-6	housing pinch plate	1
18	3410329	cable ties 3X60	2
19	3320675	elbow	1
20	3320875-1	clamp φ8	1
21	3320975-1	nut M12	1
22	31901531	tube	1
23	34207531	soft tube φ8*120	1
24	3050211	lead wire	1
25	3390475	clamp φ14	2
26	32202115-1	bolt M8*28	3
27	3290251	washer φ8	3
28	34203116	anti-vibration cushion	3
29	31102754	check valve	1
30	33301753	tank	1
31	3420150	rubber feet	3
32	3220575A	bolt M6X15	3
33	31903115	drain valve	1
34	3050451	lead wire	1
35	3320297-2	elbow	1
36	36301754	pressure switch	1
37	3220452	bolt M4X15	2
38	34103531-2	control panel	1
39	31101753	regulator assy.	1
40	32201108	bolt ST4.8*18	8
41	3790175A	Recoil Hose	1
42	37904110	Tapered nozzle	1
43	37902110	Inflation needle	1
44	37911110	Blow gun adaptor	1
45	37905110	Blow gun	1
46	37905110	1/4" Quick connector	1
47	37903110	Tire chuck	1
48	37901110	Plumber's tape	1

# PARTS LIST

ITEM NO.	PART NO.D	DESCRIPTION	TY
10.1	3290650	clamp φ8	1
10.2	34101116	motor fan	1
10.3	36103116	6G air compressor motor	1
10.4	32905302A	shaft clamp φ12	1
10.5	3210275-1	bearing 6201-2RS	1
10.6	33101116	bracket	1
10.7	3210175-1	bearing 6203-2RS	1
10.8	3420675-4	timing belt	1
10.9	3320575-1	transmission shaft	1
10.10	3320475-4	big synchronous pulley	1
10.11	3290806-1	flat washer φ10.5×φ20 ×2.7	1
10.12	33215301-2	shaft 6202-2RS	1
10.13	3290250	spring washerφ5	1
10.14	32208316A	bolt M5*25	1
10.15	33204116-1	sunk screw M10-RH(10.9級)	1
10.16	3320375-1	small synchronous pulley	1
10.17	33103116	connecting rod	1
10.18	3420975-2	piston ring KT-4	1
10.19	33104116	connecting rod plate	1
10.20	33205116	bolt M6×20	1
10.21	33105116	cylinder	1
10.22	32205281	bolt M6*25	4
10.23	33102116-1	cylinder head	1
10.24	34901116	outlet gasket	1
10.25	3220110	bolt M4X12	1
10.26	3290305	flat washer	1
10.27	33301116	outlet reed valve	1
10.28	33303116	valve plate	1
10.29	33302116	inlet reed valve	1
10.30	3420597	valve retainer	1
10.31	34902116	inlet gasket	1
39.1	3220575	bolt M5*10	1
39.2	3290651	internal-tooth washer	1
39.3	34108755-1	knob	1
39.4	33903113	regulator cover	1
39.5	33306110-1	washer	1
39.6	33209110-1	bolt	1
39.7	33208110-1	nut	1
39.8	33307110	washer Φ9.5×Φ5	1
39.9	3220439	locking nut M5	1
39.1	3340252-1	spring	1
39.11	34110115-1	piston	1
39.12	3420352-1	seal ring Φ21.2	2
39.13	3750250-4	hex nut	1
39.14	3420452	seal ring Φ11×Φ1.6	1
39.15	3420852	rubber cushion	1
39.16	3340152-3	bellow spring	1
39.17	3420552	seal ring Φ23.6×2.2	1
39.18	3420652	seal ring Φ14	1
39.19	3320542A	connector nut	1
39.2	3320352A-2	tube connector	1
39.21	33209115	quick coupler	2
39.22	33103130A	regulator body	1
39.23	31902753	pressure gauge 50	1
39.24	31901753	pressure gauge 40	1
39.25	31907115	safety valve	1
39.26	33211110-A	plug NPT1/4	1

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**TOLL-FREE HELPLINE: 1-888-90WORKS (888.909.6757)**

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