

26 Gallon Portable Air Compressor F2S26VWDVP / 671-049



Your air compressor has been engineered and manufactured to Husky's high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

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

Thank you for buying a Husky product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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INTRODUCTION

This tool has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.



This compressor is intended to be used at a duty cycle 50%.



This compressor/pump is not equipped and should not be used to supply breathing quality air. Additional equipment would be necessary to properly filter and purify the air to meet minimal specifications for Grade D breathing as described in Compressed Gas Association Commodity Specification G 7.1 - 1966, OSHA 29 CFR 1910.134. Compressed Gas Association, 4221 Walney Road, Fifth Floor, Chantilly, VA 20151-2923, (703) 788-2700, www.cganet.com. Any such additional equipment has not been examined and no implication of proper use for breathing air is intended or implied. If this compressor is altered in any way, existing warranties shall be voided. Husky and MAT Holdings, Inc. disclaim any liabilities whatsoever for any loss, personal injury, or damage.

GENERAL SAFETY RULES

WARNING

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents. Floor must not be slippery from wax or dust.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep bystanders, children, and visitors away while operating tools. Distractions can cause you to lose control.
- Operate air compressor in an open area at least 18 in. away from any wall or object that could restrict the flow of fresh air to ventilation openings.

ELECTRICAL SAFETY

- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord to carry the tool or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges, or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

Eye protection which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when loading, operating, or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

- The employer and/or user must ensure that proper eye protection is worn. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses that provide protection against flying particles both from the front and side. Always use eye protection which is marked to comply with ANSI Z87.1.
- Additional safety protection will be required in some environments. For example, the working area may include exposure to a noise level which can lead to hearing damage. The employer and user must ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment. When required, the employer and user must ensure that head protection marked to comply with ANSI Z89.1 is used.
- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- Do not use on a ladder or unstable support. Stable footing on a solid surface enables better control of the tool in unexpected situations.

TOOL USE AND CARE

- Do not exceed the pressure rating of any component in the system.
- Protect material lines and air lines from damage or puncture. Keep hose and power cord away from sharp objects, chemical spills, oil, solvents, and wet floors.
- Check hoses for weak or worn condition before each use, making certain all connections are secure. Do not use if defect is found. Purchase a new hose or notify an authorized service center for examination or repair.
- Release all pressures within the system slowly. Dust and debris may be harmful.
- Store idle tools out of the reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

GENERAL SAFETY RULES

- Maintain tools with care. Follow maintenance instructions. Properly maintained tools are easier to control.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- Never point any tool toward yourself or others.
- Keep the exterior of the air compressor dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleumbased products, or any strong solvents to clean the unit. Following this rule will reduce the risk of deterioration of the enclosure plastic.

SERVICE

- **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.
- Disconnect power supply, open drain valve to decompress tank and allow water to drain, and allow air compressor to become cool to the touch before servicing. Turn pressure regulator knob fully clockwise after shutting off compressor.
- When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of injury.

SPECIFIC SAFETY RULES

- Know your power tool. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- Drain tank of moisture after each day's use. If unit will not be used for a while, it is best to leave drain valve open until such time as it is to be used. This will allow moisture to completely drain out and help prevent corrosion on the inside of tank.
- Risk of Fire or Explosion. Only spray flammable liquids such as paints or lacquers. Never spray flammable liquids in a confined area. Spray area must be well ventilated. Do not smoke while spraying or spray where spark or flame is present. Keep compressors as far from the spraying area as possible, at least 15 feet from the spraying area and all explosive vapors.
- **Risk of Bursting.** Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment. Do not use a pressure greater than maximum rated pressure of compressor.
- If connected to a circuit protected by fuses, use timedelay fuses with this product.
- **To reduce the risk of electric shock**, do not expose to rain. Store indoors.
- Inspect tank yearly for rust, pin holes, or other imperfections that could cause it to become unsafe. Never weld or drill holes in the air tank.
- Make sure the hose is free of obstructions or snags. Entangled or snarled hoses can cause loss of balance or footing and may become damaged.
- Use the air compressor only for its intended use. Do not alter or modify the unit from the original design or function.
- Always be aware that misuse and improper handling of this tool can cause injury to yourself and others.
- Never leave a tool unattended with the air hose attached.
- Do not operate this tool if it does not contain a legible warning label.
- Do not continue to use a tool or hose that leaks air or does not function properly.
- Always disconnect the air supply and power supply before making adjustments, servicing a tool, or when a tool is not in use.
- Do not attempt to pull or carry the air compressor by the hose.
- Your tool may require more air consumption than this air compressor is capable of providing.

- Never store tool with air connected. Storing the tool with air connected can result in unexpected firing and possible serious personal injury.
- Always follow all safety rules recommended by the manufacturer of your air tool, in addition to all safety rules for the air compressor. Following this rule will reduce the risk of serious personal injury.
- Never direct a jet of compressed air toward people or animals. Take care not to blow dust and dirt towards yourself or others. Following this rule will reduce the risk of serious injury.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- **Do not use this air compressor to spray chemicals.** Your lungs can be damaged by inhaling toxic fumes. A respirator may be necessary in dusty environments or when spraying paint. Do not carry while painting.
- Inspect tool cords and hoses periodically and, if damaged, have repaired at your nearest Authorized Service Center. Constantly stay aware of cord location. Following this rule will reduce the risk of electric shock or fire.
- Never use an electrical adaptor with this grounded plug.
- Check damaged parts. Before further use of the air compressor or air tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center. Following this rule will reduce the risk of shock, fire, or serious injury.
- Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. A wire gauge size (A.W.G.) of at least 14 is recommended for an extension cord 50 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this air compressor. If you loan someone this tool, loan them these instructions also.

SYMBOLS

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

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequenct (cycles per second)
~	Alternating Current	Type of current
	Class II Construction	Double-insulated constructon
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
8	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
0	Eye Protection	Always wear safety goggles or safety glasses with side shields and, as necessary, a full face shield when operating this product.
A	Safety Alert	Precautions that involve your safety.
	Risk of Bursting	Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment. Do not use a pres- sure greater than maximum rated pressure of compressor.
۲	Risk of Fire or Explosion	Do not spray flammable liquid in a confined area. Spray area must be well ventilated. Do not smoke while spraying or spray where spark or flame is present. Keep compressors as far from the spraying area as possible, at least 15 feet from the spraying area and all explosive vapors.
X	Risk of Electrical Shock	Hazardous Voltage: Disconnect from power source before ser- vicing. Compressor must be grounded.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.
	Risk to Breathing	Air obtained directly from the air compressor should never be used to supply air for human consumption.

SYMBOLS

SYMBOL	SIGNAL	MEANING
A	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
A	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
A	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to the nearest **AUTHORIZED SERVICE CENTER** for repair. When servicing, use only identical replacement parts.

A WARNING

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. If you do not understand the warnings and instructions in the operator's manual, do not use this product. Call customer service for assistance.

A WARNING



The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

SAVE THESE INSTRUCTIONS

ELECTRICAL

EXTENSION CORDS

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the product's plug. When using a power tool at a considerable distance from the power source, use an extension cord heavy enough to carry the current that the product will draw. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and causing the motor to overheat. Use the chart provided below to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

**Ampe	re rat ng (on product of	data p ate)			
	0 2 0	21 34	35 50	51 70	71 120	121 160
Cord L	.ength		Wire Siz	e (A.W.G	.)	
251	16	16	16	16	14	14
50°	16	16	16	14	14	12
100	16	16	14	12	10	-

NOTE: AWG = American Wire Gauge

When working with the product outdoors, use an extension cord that is designed for outside use. This is indicated by the letters "WA" on the cord's jacket.

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

WARNING

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

WARNING

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

ELECTRICAL CONNECTION

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

SPEED AND WIRING

The no-load speed of this product is approximately 3,450 rpm. This speed is not constant and decreases under a load or with lower voltage. For voltage, the wiring in a shop is as important as the motor's horsepower rating. A line intended only for lights cannot properly carry a power tool motor. Wire that is heavy enough for a short distance will be too light for a greater distance. A line that can support one power tool may not be able to support two or three products.

GROUNDING INSTRUCTIONS

This product must be grounded. In the event of 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 an electric cord having an equipmentgrounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to either flat blade terminal (a live terminal).

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Repair or replace a damaged or worn cord immediately.

This product is intended for use on a circuit that has an outlet like the one shown in Figure 1. It also has a grounding pin like the one shown. Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product.



GLOSSARY OF TERMS

Air Filter

Porous element contained within a metal or plastic housing attached to the compressor cylinder head which removes impurities from the intake air of the compressor.

Air Tank

Cylindrical component which contains the compressed air.

Check Valve

Device that prevents compressed air from flowing back from the air tank to the compressor pump.

Cut-In Pressure

The low pressure at which the motor will automatically restart.

Cut-Off Pressure

The high pressure at which the motor will automatically shut off.

Electric Motor

Device which provides the rotational force necessary to operate the compressor pump.

Manual On/Off Switch

Control which turns the air compressor on or off. The pressure switch will not automatically start and control the compressor unless the manual On/Off Switch is in the **ON** position.

NPT (National Pipe Thread)

A seal thread tape must be used to provide a leak-free seal on pipe threaded connections.

Pressure Regulator Knob

Regulates the outgoing pressure from the air outlet to the tool. It is possible to increase or decrease the pressure at the outlet by adjusting this control knob.

Pressure Switch

Automatically controls the on/off cycling of the compressor. It stops the compressor when the cut-off pressure in the tank is reached and starts the compressor when the air pressure drops below the cut-in pressure.

PSI (Pounds Per Square Inch)

Measurement of the pressure exerted by the force of the air. The actual psi is measured by a pressure gauge on the compressor.

Pump

Produces the compressed air with a reciprocating piston contained within the cylinder.

Regulator Pressure Gauge

Displays the current line pressure. Line pressure is adjusted by rotating the pressure regulator knob.

Pressure Relief Valve

Prevents air pressure in the air tank from rising over a predetermined limit.

SCFM (Standard Cubic Feet Per Minute)

A unit of measure of air delivery.

Tank Pressure Gauge

Indicates the pressure in the air tank.

Thermal Overload Switch

Automatically shuts off the compressor if the temperature of the electric motor exceeds a predetermined limit.

FEATURES

PRODUCT SPECIFICATIONS

Running Horsepower		Lubrication	Oil-Free
Air Tank Capacity		Gauges	2 in. diameter
Air Pressure	150 psi max.	Input 1	20 V, 60 Hz, AC Only, 15.0 Amps
Air Delivery	4.0 SCFM @ 90 psi	Net Weight	
	5.0 SCFM @40 psi		



FEATURES

KNOW YOUR AIR COMPRESSOR

See Figure 2.

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

HANDLE

The air compressor is equipped with a padded carrying handle for ease of use.

OIL-FREE INDUCTION MOTOR

Your air compressor features permanently lubricated bearings.

PRESSURE REGULATOR KNOB

Use the pressure regulator knob to adjust the amount of air being delivered through the hose.

PRESSURE RELIEF VALVE

The pressure relief valve is designed to automatically release air if the air receiver pressure exceeds the preset maximum.

REGULATOR PRESSURE GAUGE

The current line pressure is displayed on the regulator pressure gauge. This pressure can be adjusted by rotating the pressure regulator knob.

TANK PRESSURE GAUGE

The tank pressure gauge indicates the pressure of the air in the tank.

ASSEMBLY

ATTACHING HOSE

See Figure 3.

Make sure the air compressor is off and unplugged.

Set up instructions:

- Compressor is assembled at factory and ready for use. Check all components to ensure secure assembly, ie., rubber feet, wheels, handle, quick connects, gages, safety valve, air filter, drain valve, etc.
- Apply thread tape to threaded connections of hose, attach quick coupler to hose with a wrench (wrench is not provided).
- Apply thread tape to threaded connections of male plug, attach male plug to hose with a wrench (wrench is not provided).

Rotate pressure regulator knob fully counterclockwise.

Insert hose adapter end of air hose into female coupler end in air compressor.



UNPACKING

Carefully remove the product 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 carfully inspected and satisfactorily operated the product.

If any parts are damaged or missing, please call 1-888-859-4549 for assistance.

PACKING LIST

- (1) Air compressor
- (1) Instruction manual
- (1) Air hose
- (1) Thread tape
- (1) 1/4" NPT male plugs
- (1) 1/4" NPT quick coupler
- (1) 1/2" Impact wrench
- (1) 3/8" Ratchet

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.

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.

WARNING

Do not attach air chuck or other tool to the open end of the hose until start-up has been completed.

WARNING

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



WARNING

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

WARNING

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

CAUTION

Do not use in an environment that is dusty or otherwise contaminated. Using the air compressor in this type of environment may cause damage to the unit.

APPLICATIONS

Air compressors are utilized in a variety of air system applications. Match hoses, connectors, air tools, and accessories to the capabilities of the air compressor.

You may use this tool for the purposes listed below:

Operating some light duty air powered tools.

Inflating tires, air beds, sports equipment, etc. (Inflation accessories sold separately)

TURNING THE AIR COMPRESSOR ON/OFF See Figure 4.

Turn the power switch to the ON position to power the compressor on.

To turn the air compressor off, turn the power switch to the OFF position.

USING THE AIR COMPRESSOR

See Figures 4-5.

- Ensure power switch is in the OFF position and air compressor is unplugged.
- If not already installed, attach hose to compressor as previously instructed.

Attach 1/4 in. NPT male connector fitting of tool and into female couple end of air hose.

WARNING

Always ensure the switch is in the OFF position and the regulator pressure gauge reads zero before changing air tools or disconnecting the hose from the air outlet. Failure to do so could result in possible serious personal injury.

Rotate regulator knob clockwise to open air flow.

Connect the power cord to the power supply.

Turn the switch ON.

Rotate pressure regulator knob to desired line pressure. Turning the knob clockwise increases air pressure at the outlet; turning counterclockwise reduces air pressure at the outlet.

Following all safety precautions in this manual and the manufacturer's instructions in the air tool manual, you may now proceed to use your air powered tool.



WARNING

Your tool may require more air consumption than this air compressor is capable of providing. Check the tool manual to avoid damage to the tool or risk of personal injury.

If using an inflation accessory, control the amount of air flow with the pressure regulator knob. Turning the knob fully counterclockwise will completely stop the flow of air.

NOTE: Always use the minimum amount of pressure necessary for your application. Using a higher pressure than needed will drain air from the tank more rapidly and cause the unit to cycle on more frequently.

When finished, always drain the tank and unplug the unit. Never leave the unit plugged in and/or running unattended. (See page 15 for draining instructions.)

WARNING

Always disconnect the air supply and power supply before making adjustments, servicing a tool, or when a tool is not in use.

DRAINING THE TANK

See Figure 6-1, 6-2.

To help prevent tank corrosion and keep moisture out of the air used, the tank of the compressor should be drained daily. **To drain:**

- Turn the air compressor off.
- Pull the ring on the pressure relief valve to release until pressure gauge reads less than 20 psi.
- Release the ring.
- Open the drain valve allowing air to bleed from the tank. (6-1)
- **NOTE:** Condensate is a polluting material and should be disposed of in compliance with local regulations.
- If drain valve is clogged, release all air pressure, remove and clean valve, then reinstall.

WARNING

Unplug the air compressor and release all air from the tank before servicing. Failure to depressurize tank before attempting to remove valve may cause serious personal injury.

Close the drain valve. (6-2)



CHECKING THE PRESSURE RELIEF VALVE

See Figure 7-8.

DANGER

Do not attempt to tamper with the pressure relief valve. Anything loosened from this device could fly up and hit you. Failure to heed this warning could result in death or serious personal injury.

The pressure relief valve will automatically release air if the air receiver pressure exceeds the preset maximum. The valve should be checked before each day of use by pulling the ring by hand.

- Turn the air compressor on and allow the tank to fill. The compressor will shut off when the pressure reaches the preset maximum.
- Turn the air compressor off.
- Pull the ring on the pressure relief valve to release air for three to five seconds.
- Release the ring. Air must immediately stop escaping when the ring is released. Any continued loss of air after releasing the ring indicates a problem with the pressure relief valve. Discontinue use and seek service before continued use of the air compressor.

WARNING

If air leaks after the ring has been released, or if the valve is stuck and cannot be actuated by the ring, do not use the air compressor until the pressure relief valve has been replaced. Use of the air compressor in this condition could result in serious personal injury.

THERMAL OVERLOAD PROTECTION

This compressor is equipped with a thermal overload protector which will shut off motor if it becomes overheated. If overload protector shuts motor OFF frequently, look for the following causes.

Low voltage

Lack of proper ventilation/room temperature too high Wrong gauge wire or length of extension cord To reset the air compressor:



Unplug air compressor and wait until compressor cools down.

Plug the air compressor into an approved outlet.

Turn the air compressor on.



MAINTENANCE

WARNING

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

WARNING

Do not attempt to modify this product or create Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

WARNING

Always release all pressure, disconnect from power supply, and allow unit to cool to the touch before cleaning or making repairs on the air compressor.

GENERAL MAINTENANCE

Humidity in the air causes condensate to form in the air tank. This condensate should be drained daily and/or every hour, using the instructions found in **Draining the Tank**.

The pressure relief valve automatically releases air if the air receiver pressure exceeds the preset maximum. Check the pressure relief valve before each use following the instructions found in Checking the Pressure Relief Valve.

Inspect the tank yearly for rust, pin holes, or other imperfections that could cause it to become unsafe.

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

WARNING

Do not at any time let brake fluids, gasoline, petroleumbased products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury. Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommended using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.



LUBRICATION

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

CLEANING THE AIR FILTER

See Figure 9.

From time to time, the air filter needs to be removed and cleaned.

- Turn the air compressor off.
- Unplug the air compressor.
- Turn the air fiter cover counterclockwise to remove.
- Remove air filter from air filter housing.
- Blow compressed air through the air filter for 10-15 seconds.

STORAGE

- 1. Drain tank of moisture.
- 2. When not in use, store compressor in a cool, dry place.
- Disconnect hose and hang open ends down to allow any moisture to drain.
- 4. Wrap the power cord on handle

PNEUMATIC TOOL USAGE

Model No. F2S26VWDVP

ASSEMBLY OF AIR TOOL

Apply thread tape to threaded connections of 1/4" NPT male plug, attach male plug to hose with a wrench (wrench and 1/4" NPT male plug are not provided).

Ensure regulator of compressor is adjusted to minimum position if a compressor is used and ensure outlet pressure is near zero.

Attach 1/4" NPT male plug of tool to female couple end of air hose.

LUBRICATION OF AIR TOOL

1/2" Impact Wrench

Impact wrenches require lubrication throughout the life of the tool and must be lubricated in two separate areas: the air motor and the impact mechanism. Follow the outlined procedures and refer to parts manual for tool features.

WARNING

Disconnect the impact wrench from the air supply before lubricating.

AIR MOTOR LUBRICATION

The motor must be lubricated daily. An air motor cannot be oiled too often.

- 1. Disconnect the impact wrench from the air supply.
- 2. Turn the impact wrench upside down.

3. While pulling the trigger, squeeze approximately a 1/4 oz. of air tool oil in the air inlet. Then, push the forward and reverse button in both directions.

4. Connect the impact wrench to the air supply and cover the exhaust port with a towel (Refer to replacement parts manual for tool features). Run the impact wrench in both the forward and reverse directions for 20 to 30 seconds. Oil will discharge from the exhaust port when air pressure is applied.

WARNING

After an air tool has been lubricated, oil will discharge through the exhaust port during the first few seconds of operation. Thus, THE EXHAUST PORT MUST BE COVERED WITH A TOWEL before applying air pressure. FAILURE TO COVER THE EXHAUST PORT CAN RESULT IN SERIOUS INJURY.

IMPACT MECHANISM LUBRICATION

Lubricate the impact mechanism monthly.

- 1. Disconnect the impact wrench from the air supply.
- Remove the slotted screw or allen head screw from the oil port hole (Refer to replacement parts list for tool features).
- Squeeze approximately 1 oz. of air tool oil in the oil port hole. Replace the screw.

- 4. Reconnect the air supply to the impact wrench and run for 20 to 30 seconds. Lubricate the entire impact mechanism by rotating the tool upside down and sideways while running the tool.
- Remove the screw and hold the oil port hole over a suitable container to allow excess oil to drain. Sometimes triggering the tool when dumping the oils helps to force out the excess oil.
- 6. If the oil is dirty, repeat the procedure above until the oil comes out clear. Install the screw and tighten. The residual oil remaining in the impact mechanism chamber is all that is needed for proper lubrication.

3/8" Ratchet Wrench

Ratchet wrench requires lubrication before the initial use and before and after each additional use.

- 1. Disconnect air supply.
- 2. Pour about 1/4 teaspoon of air tool oil into air inlet.
- 3. Operate trigger lever to allow oil to enter air motor.
- 4. Connect the air tool to the air supply and cover the exhaust port with a towel. Run the air tool for 7 to 10 seconds. Oil will discharge from the exhaust port when air pressure is applied.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Compressor will not run	Loss of power or overheating	Check for proper use of extension cord
	No electrical power	Check to be sure unit is plugged in
	Blown shop/house fuse	Check fuse/breaker
	Shop/house breaker open	Replace shop/house blown fuse Reset shop/house breaker, determining why problem happened
	Thermal overload is actuated	See manual page 13
	Pressure switch bad	Take compressor to service center
	Compressor has reached automatic shutoff pressure	Release air from tank until compressor re- starts automatically
Motor hums but cannot run or runs slowly	Low voltage	Call an electrician
	Wrong gauge wire or length of extension cord	Check for proper gauge wire and cord length
	Shorted or open motor winding	Take compressor to service center
	Defective check valve or unloader	Take compressor to service center
Fuses blow/circuit breaker trips repeatedly	Incorrect size fuse, circuit overload	Check for proper fuse, use time-delay fuse, disconnect other electrical appliances from circuit or operate compressor on its own branch circuit
	Wrong gauge wire or length of extension cord	Check for proper gauge wire and cord length
	Defective check valve or under loader	Take compressor to service center
Thermal overload protector cuts out	Low voltage	Call an electrician
repeatedry	Lack of proper ventilation/room temperature too high	Move compressor to well-ventilated area
	Wrong gauge wire or length of extension cord	Check for proper gauge wire and cord length
Air receiver pressure drops when compressor shuts off	Loose connections (fittings, tubing, etc.)	Check all connections with soap and water solution and tighten
	Loose drain valve	Tighten drain valve
	Check valve leaking	Take compressor to service center
Excessive moisture in discharge air	Excessive water in air tank	Drain tank
	High humidity	Move to area of less humidity; use air line filter
Compressor runs continuously	Defective pressure switch	Take compressor to service center
	Excessive air usage	Decrease air usage; compressor not large enough for tool's requirement
Compressor vibrates	Loose mounting bolts	Tighten mounting bolts
Air output lower than normal	Broken inlet valves	Take compressor to service center
	Connections leaking	Tighten connections

EXPLODED VIEW - Model # 671-049



PARTS LIST - Model #671-049

ltem Number	Kit Number	Part • Number	Description	Quantity	ltem Numbe	er Nu	Kit Imber	Part Number	Description Q	uantity
1		E103985	Shroud, Top	1	40			E100225	Bolt, M8 x 1.25 x 30mm	2
2	7		Assy, Motor	1	41	6			Bolt, Shoulder M10 x 1.25	2
			(available only in Kit E1044	40)					x 39mm HH	
3		E100329	Bolt, M8 x 1.25 x 16mm	4	42	6			Wheel, 7"Dia.	2
4		E100524	Washer, Lock 8mm	4	43	6			Washer, Flat, 10mm	2
5		E100570	Washer, Flat 8mm	4	44	6			Nut, Lock M10 x 1.25	2
6	4, 7		Cylinder	1	45			E101717	Valve, Drain 1/4 Turn	1
7	2,7		O-ring Cylinder	1	46			E103982	Handle	1
8	2,7		Screw, M3 x 0.4 x 5mm, HF	H 2	47			E100524	Washer, Lock 8mm	4
9	2,7		Valve, Retainer, Intake	1	48			E100602	Bolt, M8 x 1.25 x 25mm HFH	1 4
10	2,7		Valve, Intake	1	49			E104137	Hose, Manifold,	1
11	2,7		Valve Plate	1					Braided Stainless	
12	2,7		Valve, Outlet	1	50			E104136	Tube, Relief, (Nylon)	1
13	2,7		Valve, Retainer, Outlet	1	51			E102622	Screw, #8 x 25mm Plastite	7
14	2,7		Washer, Lock 3mm	1	52			E104000	Actuator, Switch	1
15	2,7		O-Ring Head	1	53			E103987	Bushing, Cord	1
16	7	E100284	Head, Cylinder	1	54			E102026	Elbow, 90-Deg. 1/4 MNPT	1
17	7	E100709	Washer, Lock 6mm	4					x 1/4 MNPT	
18	7	E100427	Screw, M6 x 1.0 x 35mm, Sł	HC 4	55			E104135	Switch, Pressure,	1
19	3,7		Eccentric	1					150 psi cutout	
20	7	E100427	Screw, M6 x 1.0 x 35mm, Sł	HC 1	56			E102612	Valve, Safety, 165 psi	1
21	3,7		Bearing, Piston	1	57			E103996	Coupler, 1/4 FNPT x	1
22	3,7		Nut, M5 x 0.8	1	_				1/4 FNPT x 20mm	
23	4,7		Screw, M5 x 0.8 x 25mm SH	HC 1	58			E104335	Nipple, 1/4 MNPT x	2
24	4,7		Screw, M5 x 0.8 x 16mm SI	HC 1					1/4 MNPT x 40mm	
25	4,7		Piston Cap	1	59			E100793	Grip, Handle	1
26	4,7		Piston Seal	1	60			E102822	Coupler, Quick connect	2
27	4,7		Piston	1	61			E103980	Manifold with Regulator	1
28	5,7		Fan	1	62			E101/5/	Plug 1/4 NPT	1
29	5,7		Washer, Flat 6mm	1	63			E103/44	Gage, 2", 150psi Red Line,	2
30	5,7		Screw, M6 x 1.0 x 16mm	1					Back Inlet	
~ ~			SHC Left Handed		64			E103981	Bracket, Inside	1
31		E101/90	Power Cord	1	65			E100792	Washer, Flat, 6mm	2
32		E104134	Hose, Outlet,	1	66			E100/13	Screw, M6 x 1.0 x 16mm	2
~~		F 4 0 0 0 0 4	Stainless Braided	•	67		l	E102531	Screw, M6 x 1.0 x 12mm HFI	Н 2
33		E103984	Screens, Vent	2	68	1			Air Filter, Base	1
34		E103986	Shroud, Lower	1	69	1		E100435	Air Filter, Element	1
35		E101362	valve, Check 90 degree Lei	π 1	70	1			Air Filter Cap	1
36		E400040	Iank, Assembly	1	/1 70			E1042/2	Capacitor, Start	1
31 20		E100242	INUT, MIX X 1 .25	2	12			E104273	Capacitor, Run	1
38 20		E1005/0	vvasner, Flat, 8mm	2						
39		E100240	isolator, Hound	2						

Note: Any part number field without a number listed is not available.

Descriptions are provided for reference only.

Kit Number	Part Kit Name er Number		Reference Number
1	E100794	Air Filter Klt	68 thru 70
2	E103497	Valve Plate Klt	7 thru 15
3	E104441	Eccentric & Bearing Kit	19 thru 21
4	E103495	Piston Kit	22 thru 27
5	E 104280	Fan Kit	28 thru 30
6	E104442	Wheel Kit 7"	41 thru 44
		(parts b	ouild one wheel assy)
7	E104440	Pump/Motor Kit	5 , 6 thru 30, and 71-72

WARRANTY

LIMITED WARRANTY STATEMENT

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- One year if the product is used for personal, family or household use;
- 90 days, if used for any other purpose, such as commercial or rental.

This warranty extends to the original retail purchaser only and commences on the date of the original retail purchase.

Any part of the MAT Holdings, Inc. product.manufactured or supplied by MAT Holdings, Inc. and found in the reasonable judgment of MAT Holdings, Inc. to be defective in material or workmanship will be repaired or replaced by an authorized MAT Holdings, Inc. service dealer without charge for parts and labor.

The product, including any defective part, must be returned to an authorized service dealer within the warranty period. The expense of delivering the MAT Holdings, Inc. product to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. MAT Holdings, Inc.'s responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any MAT Holdings, Inc. product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized MAT Holdings, Inc. service dealer.

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To locate your nearest service dealer, dial 1-888-859-4549.

NOTES

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