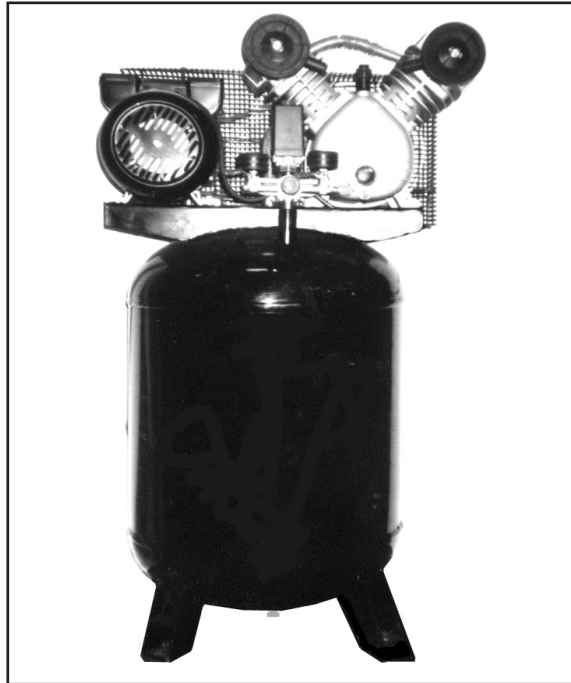


CENTRAL PNEUMATIC®

240 VOLT COMPRESSOR 4 HP PEAK – 29 GALLON OIL-LUBRICATED

Model 92504

ASSEMBLY AND OPERATING INSTRUCTIONS



Distributed Exclusively by



3491 Mission Oaks Blvd., Camarillo, CA 93011

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For technical questions, please call 1-800-444-3353.

COVER REVISED 02/06

PRODUCT SPECIFICATIONS

Motor	240 V~ / 60 Hz / Single Phase / 4 HP Peak / 3 HP Working / 3,400 RPM / 9 Load Amps / Two Capacitor (Run & Start)
Overload Reset Button	15 Amp
Power Cord	12 Gauge, 3-Wire (Stripped), 20 Ft. Long 240 Volt Power Cord Plug Not Included.
Air Tank Capacity	29 Gallons
CFM Airflow	16.4 @ 40 PSI / 15.7 @ 70 PSI / 14.5 @ 90 PSI / 13.0 @ 115 PSI
Compressor Pump Type	Dual V-Head Cylinder / Belt Driven
Safety Valve Setting	120 PSI
Air Pressure Gauge Indicators	0-200 PSI in 5 PSI Increments
Automatic Shut Off Capability	Shut Off at 115 PSI / Starts at 80 PSI
Required Air Quick Connectors (Not Included)	Qty. 2 / 1/4"-18 NPT Quick Connectors
V-Belt Size	A1118 Li
Base Mounting Holes	Qty. 4 @ 1/2" Diameter
Weight	205 Pounds

UNPACKING

When unpacking, check to make sure all the parts shown on the **Parts List** at the end of the manual are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY RULES



READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

SAVE THESE INSTRUCTIONS

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.

2. **Do not operate compressors in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Compressors create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a compressor.** Provide barriers or shields as needed.

ELECTRICAL SAFETY

1. **Grounded compressors must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the compressors should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
2. **Do not expose compressors to rain or wet conditions.** Water entering an electric motor will increase the risk of electric shock.
3. **Do not abuse the Power Cord. Never use the Power Cord to pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.
4. **AN EXTENSION CORD MUST NEVER BE USED WITH THIS ITEM. Connecting this item to an outlet through an extension cord MAY CAUSE ELECTRICAL DAMAGE TO THE MOTOR and could present a FIRE HAZARD.**

PERSONAL SAFETY

1. **Stay alert. Watch what you are doing, and use common sense during use. Do not use while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating may result in serious personal injury.
2. **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.
3. **Avoid accidental starting. Be sure the Power Switch is turned off before plugging in.** Plugging in compressors with the Power Switch on, invites accidents.
4. **Remove adjusting keys or wrenches before turning the compressor on.** A wrench or a key that is left attached to a rotating part of the compressor may result in personal injury.
5. **Do not overreach. Keep proper footing and balance at all times.**

6. **Use safety equipment. Always wear eye protection.** Make sure you are wearing your protective clothing, safety glasses with side shields and dust mask or air respirator, if appropriate.

TOOL USE AND CARE

1. **Do not force the compressor. Use the correct compressor for your application.** The correct compressor will do the job better and safer at the rate for which it is designed. Never attempt to force the compressor to provide more pressure than it was designed for.
2. **Do not use the compressor if the Power Switch does not turn it on or turn it off.** Any compressor that cannot be controlled with the Power Switch is dangerous and must be repaired or replaced.
3. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the compressor.** Such preventive safety measures reduce the risk of starting the compressor accidentally.
4. **Keep idle compressors out of reach of children and other untrained persons.** Compressors are dangerous in the hands of untrained users.
5. **Maintain compressors with care. Keep all components of this product clean and dry.** Do not use a damaged compressor. Tag damaged compressors “Do not use” until repaired.
6. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the compressor’s operation. If damaged, have the compressor serviced before using.** Many accidents are caused by poorly maintained compressors.
7. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one compressor may become hazardous when used on another compressor.




SERVICE

1. **Compressor service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
2. **When servicing a compressor, use only identical replacement parts. Follow instructions in the “*Inspection, Maintenance, And Cleaning*” section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES


1. **CAUTION! Prior to its *first* use, and thereafter prior to each *subsequent* use, make sure to fill the Air Compressor with a premium quality, 30 weight, non-detergent oil to the specified level.** Running the Air Compressor with no oil or with low oil will cause damage to the equipment and void its warranty. Refer to the “*Operating Instructions*” section for details on filling the Air Compressor with oil.
2. **When filling the Air Compressor with oil, make sure to *unscrew* (do not pull) the Oil Fill Cap to remove.**
3. **Use eye and ear protection.** Always wear ANSI-approved safety impact eye goggles, and ear plugs when using the Air Compressor.
4. **Make sure all tools and equipment used with the Air Compressor are rated to the appropriate air pressure capacity of the Air Compressor.** Do not use any tool or equipment that does not operate from 0-115 PSI. If necessary, check the owner’s manual of the tool or equipment for its air pressure rating.
5. **Always disconnect the Air Compressor from its electrical outlet, release any remaining air pressure from the unit, and disconnect all pneumatic tools and equipment from the unit, before performing any services or maintenance.**
6. **Avoid injury. Never direct the air jet at people or animals.**
7. **Inspect safety valve daily.** If the safety valve is not working properly, tank pressure can build up to dangerous levels. The tank could explode. For this reason, pull the ring on the safety valve before each use and verify that it operates freely. Replace safety valve if it does not operate freely.
Never remove or alter the factory sealed Safety Release Valve.
8. **Do not attempt to readjust the automatic start and shutoff valves.** Any change to the automatic ON/OFF pressure levels will cause additional stress on the motor, which may result in shortened motor life.
9. **Drain the Air Compressor’s air tank every day.** Do not allow moisture to build up inside the Air Tank.
10. **Do not unscrew the tank drain valve so that *more than four threads* are showing.**
11. **Avoid risk of tank explosion.**
 - a) Avoid weakening of tank by draining condensation after each use.
 - b) Never modify tank by drilling holes, welding to it, or modifying it’s parts.
 - c) The tank is designed, and factory set, to operate within a specific pressure range. For that reason, never make adjustments to, or substitute parts, to the compressor.
12. **Avoid bodily injury from moving parts.** The compressor cycles on automatically, without notice. For this reason, always keep hands and arms away from compressor

parts when the unit is connected to electrical power. Always have compressor safety guards in place before turning compressor on.




13. **Use approved air hose.** Never use plastic or PVC pipe (unless specified for Air Compressors) to carry air under pressure. Regardless of its pressure rating, it can burst under pressure. Use only metal pipe.
14. **Never plug the power cord of this product into an electrical outlet while standing on a wet or damp surface.**
15. **THIS AIR COMPRESSOR MAY REQUIRE A DEDICATED ELECTRICAL CIRCUIT AS THE AMPERAGE DRAW UNDER FULL LOAD, COMBINED WITH USE OF ANY OTHER ITEM, MAY OVERLOAD YOUR CIRCUIT.**
16. **Always turn off the Air Compressor in the event of a power failure.**
17. **Performance of this Air Compressor may vary depending on variations in local line voltage.**
18. **Maintain labels and nameplates on the Air Compressor.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
19.  **WARNING!** People with pacemakers should consult their physician(s) before using this product. Electromagnetic fields in close proximity to a heart pacemaker could cause interference to or failure of the pacemaker.
20.  **WARNING!** The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety code § 25249.5, *et seq.*)
21.  **WARNING!** The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS

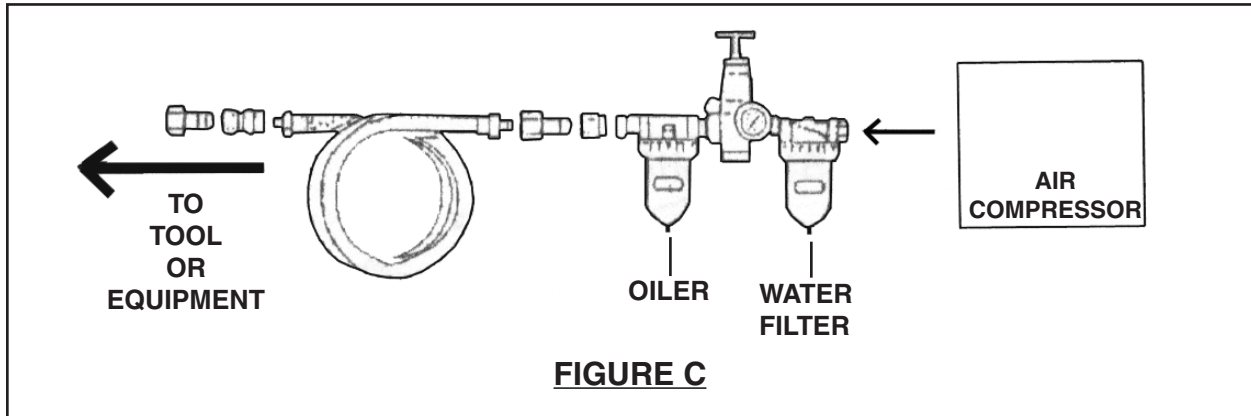
GROUNDING

1.  **WARNING!** The Power Cord (31) requires the attachment of a **240 volt, grounded, 3-Prong Plug** (not included). For safety purposes, only a qualified, certified, electrician should attach a Plug to the Power Cord. Never modify the Plug in any way. To comply with the National Electric Code, and to provide additional protection from the risk of electrical shock, this product should only be connected to a 240 volt electrical outlet that is properly grounded.
2. **Do not use the tool if the Power Cord or Plug is damaged.** If damaged, have it repaired by a qualified service facility before use.

SYMBOLOLOGY

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.
V ~	Volts Alternating Current
A	Amperes
no _{xxxx} /min.	No Load Revolutions per Minute (RPM)

To extend the life of your air tools and equipment, we recommend installing an oiler and water filter in series with the Air Outlet Valves (4) of the Air Compressor. (See Figure C.)



ASSEMBLY INSTRUCTIONS

To Attach A Power Cord Plug:

The Power Cord (31) requires the attachment of a 240 volt, grounded, 3-Prong Plug (not included). For safety purposes, only a qualified, certified, electrician should attach a Plug to the Power Cord. Never modify the Plug in any way. To comply with the National Electric Code, and to provide additional protection from the risk of electrical shock, this product should only be connected to a 240 volt electrical

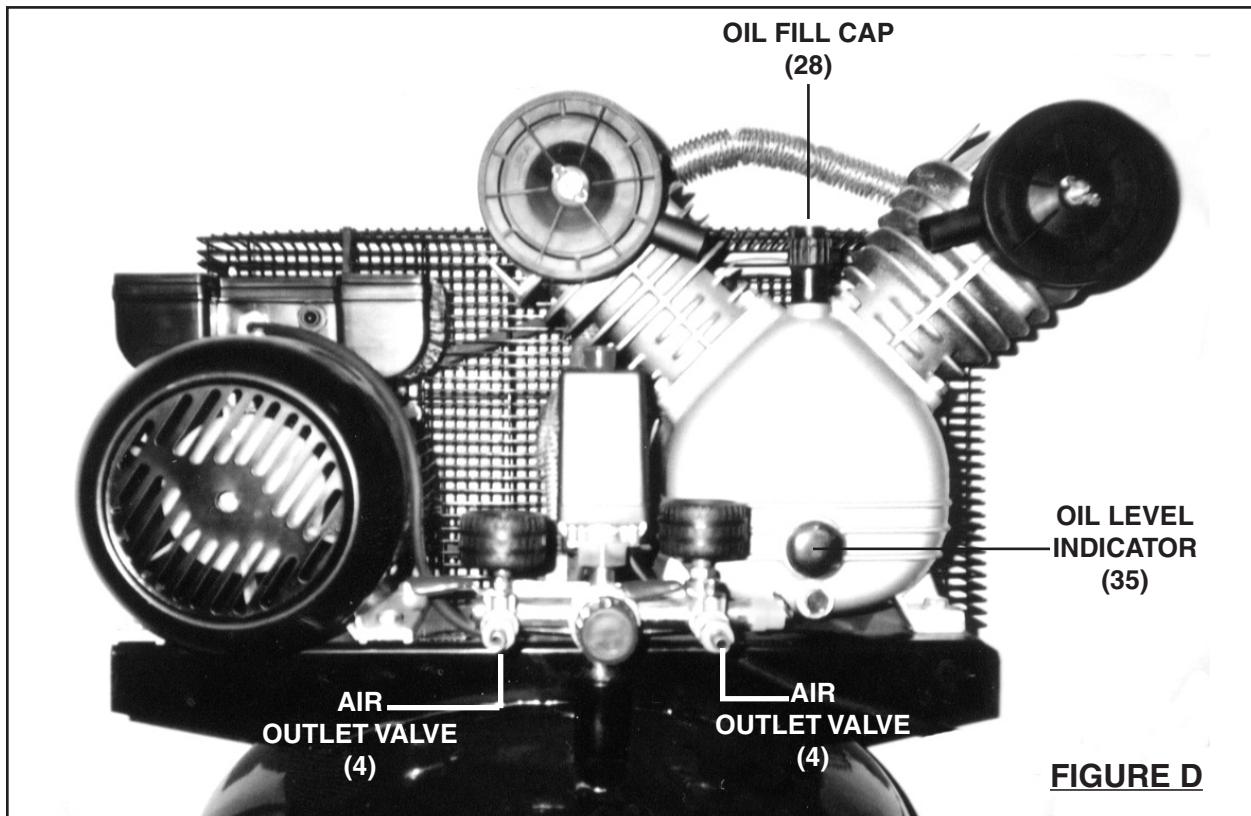
outlet that is properly grounded.

To Attach Quick Connectors:

Prior to use, the Air Compressor requires the attachment of a 1/4" NPT Quick Connector (not included) to each of its two Air Outlet Valves (4). To do so, wrap approximately 4" of pipe thread sealant tape (not included) around the male threads of the Quick Connectors. Then, firmly screw the Quick Connectors into the Air Outlet Valves. (See Figure D.)

To Fill The Air Compressor With Oil:

1. **⚠ CAUTION!** Prior to its *first* use, and thereafter prior to each *subsequent* use, make sure to fill the Air Compressor with a premium quality, 30 weight, non-detergent oil. Running the Air Compressor with no oil or low oil will cause damage to the equipment and void its warranty.
2. When filling the Air Compressor with oil, make sure to *unscrew* (do not pull) the Oil Fill Cap (28) to remove. (See Figure D.)



3. Once the Oil Fill Cap (28) is removed, fill the Air Compressor with a premium quality, 30 weight, non-detergent oil until the level of the oil rises to the midway point in the Oil Level Indicator (35). Then, screw the Oil Fill Cap back onto the Oil Fill Hole. **(See Figure D.)**

To Mount The Air Compressor:

1. For added safety, it is recommended that the Air Compressor be mounted on a flat, level, sturdy, concrete floor surface capable of withstanding the weight of the Air Compressor and any additional tools and accessories.
2. To mount the Air Compressor, with assistance, move the unit to the location where it is to be used. Using the four 1/2" diameter mounting holes on the feet of the Air Compressor as a template, mark the spots where four 1/2" diameter holes will be drilled in the concrete or wood floor. Then, temporarily set the Air Compressor aside.
3. Use a masonry drill bit to drill the four 1/2" diameter holes (about 3"-4" deep) into the concrete. Make sure to blow out the concrete dust from the drilled holes.
4. Set the Air Compressor back to the location where it is to be used, and align the four 1/2" diameter mounting holes in its legs with the four predrilled 1/2" holes in the concrete or wood. Then use four minimum 3" long, 1/2" diameter, concrete anchor bolts or lag bolts (not included) to secure the Air Compressor to the concrete or wood floor.

OPERATING INSTRUCTIONS

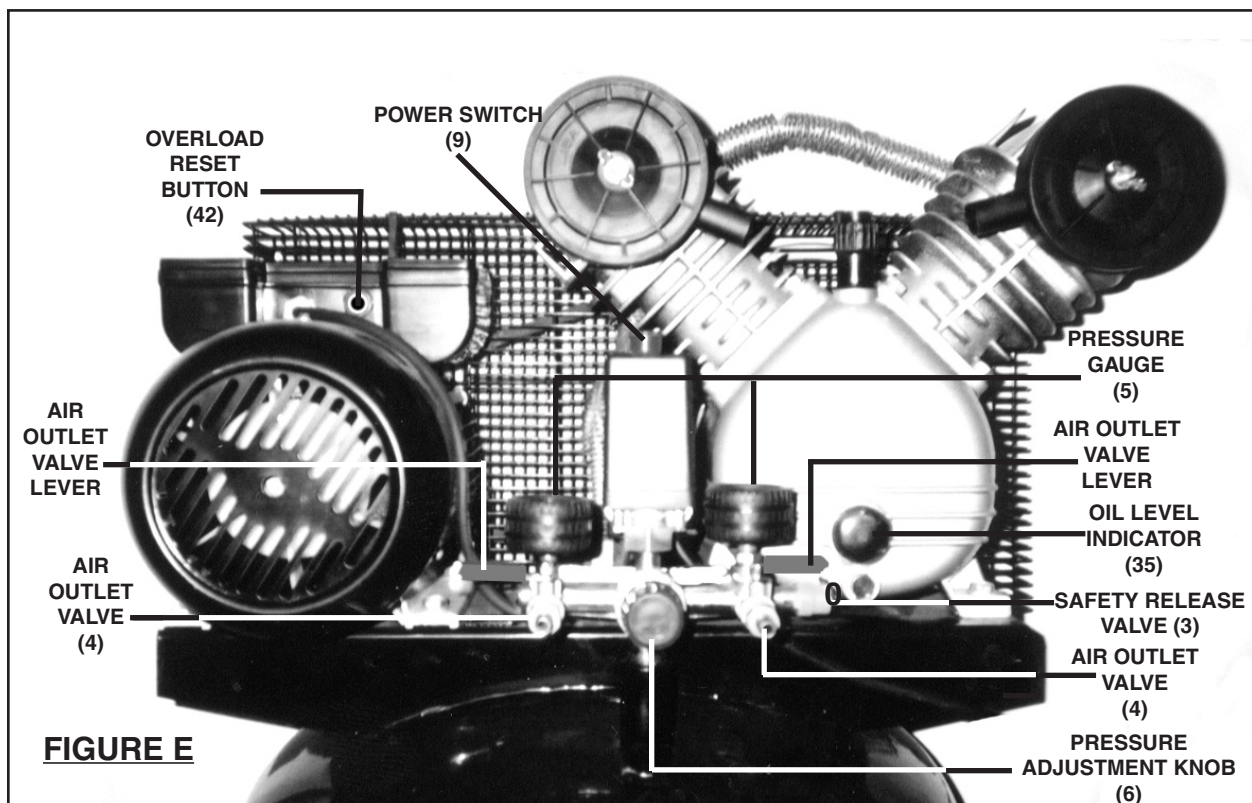
Air Compressor Pre-Start Procedures:

1. Press the Power Switch (9) down to its "**OFF**" position. **(See Figure E, next page.)**
2. Check the Oil Level Indicator (35), making sure the level of the oil is at the midway point in the Indicator. **(See Figure E.)**
3. Check to make sure the Tank Drain Valve (33) is fully closed. **NOTE:** The Tank Drain Valve is located at the *bottom* of the Air Tank (32). **(See Assy. Diagram.)**
4. Turn the Pressure Adjustment Knob (6) *counterclockwise* all the way to its "**OFF**" position. **(See Figure E.)**
5. Turn each Lever on the two Air Outlet Valves (4) backward to their **closed** position. **(See Figure E.)**

6. If using only one of the two Air Outlet Valves (4), attach an air hose (not included) to the Air Outlet Valve. Then, attach the other end of the air hose to the pneumatic tool that will be used. If using both Air Outlet Valves simultaneously, attach an air hose to each Air Outlet Valve. Then, attach the other ends of the air hoses to their respective pneumatic tools. **(See Figure E.)**

To Start The Air Compressor:

1. Plug the Power Cord Plug (31) into the nearest 220 volt, grounded, electrical outlet.
2. Pull up on the Power Switch (9) to its “ON” position. **(See Figure E.)**
3. Turn the Pressure Adjustment Knob (6) *clockwise* about halfway to its “ON” position. **(See Figure E.)**
4. If using only *one* Air Outlet Valve (4), allow sufficient time for its Pressure Gauge (5) to indicate at least **80 PSI**. If using *both* Air Outlet Valves, allow sufficient time for both Pressure Gauges (5) to indicate at least **80 PSI**. **(See Figure E.)**



5. Check to make sure the pneumatic tools that will be used are turned off and properly connected to their air hoses.
6. Once the Pressure Gauge (5) has reached at least 80 PSI, turn the Lever on the Air Outlet Valve (4) forward to its **open** position in order to supply air to the pneumatic tool. If both Air Outlet Valves are being used, turn both Levers forward to their **open** positions. **(See Figure E.)**
7. **IMPORTANT:** Both Pressure Gauges (5) should always indicate the same PSI reading, meaning that if two pneumatic tools are being hooked up to the Air Compressor both pneumatic tools should operate on the same PSI rating.
8. If necessary, turn the Pressure Adjustment Knob (6) *clockwise* to increase air pressure to the pneumatic tool(s) or *counterclockwise* to decrease air pressure to the pneumatic tool(s). **(See Figure E.)**

To Use The Air Tank Safety Release Valve:

1. The Safety Release Valve (3) is used when decompression is needed quickly and efficiently. **(See Figure E.)**
2. To decompress the Air Tank (32) pressure, press down on the Power Switch (9) to turn off the Air Compressor. **(See Figure E.)**
3. Pull out on the Safety Release Valve Ring (3) to immediately release air pressure in the Air Tank (32). **(See Figure E.)**


To Use The Overload Reset Button:

1. The Air Compressor is equipped with an internal electrical circuit breaker which is designed to automatically shut off the Air Compressor in the event its Motor (14) becomes overheated or in the event of an electrical power outage. **(See Figure E.)**
2. Should the Air Compressor automatically shut off, press the Power Switch (9) down to its **“OFF”** position. **(See Figure E.)**
3. Wait several minutes to allow the Air Compressor’s Motor (14) to cool (if due to electrical power outage, wait until power is resumed).
4. Press the Overload Reset Button (42) to reset the electrical circuit breaker. If it does not reset, wait a few additional minutes and try again. Then, pull up on the Power Switch (9) to its **“ON”** position to resume work. **(See Figure E.)**

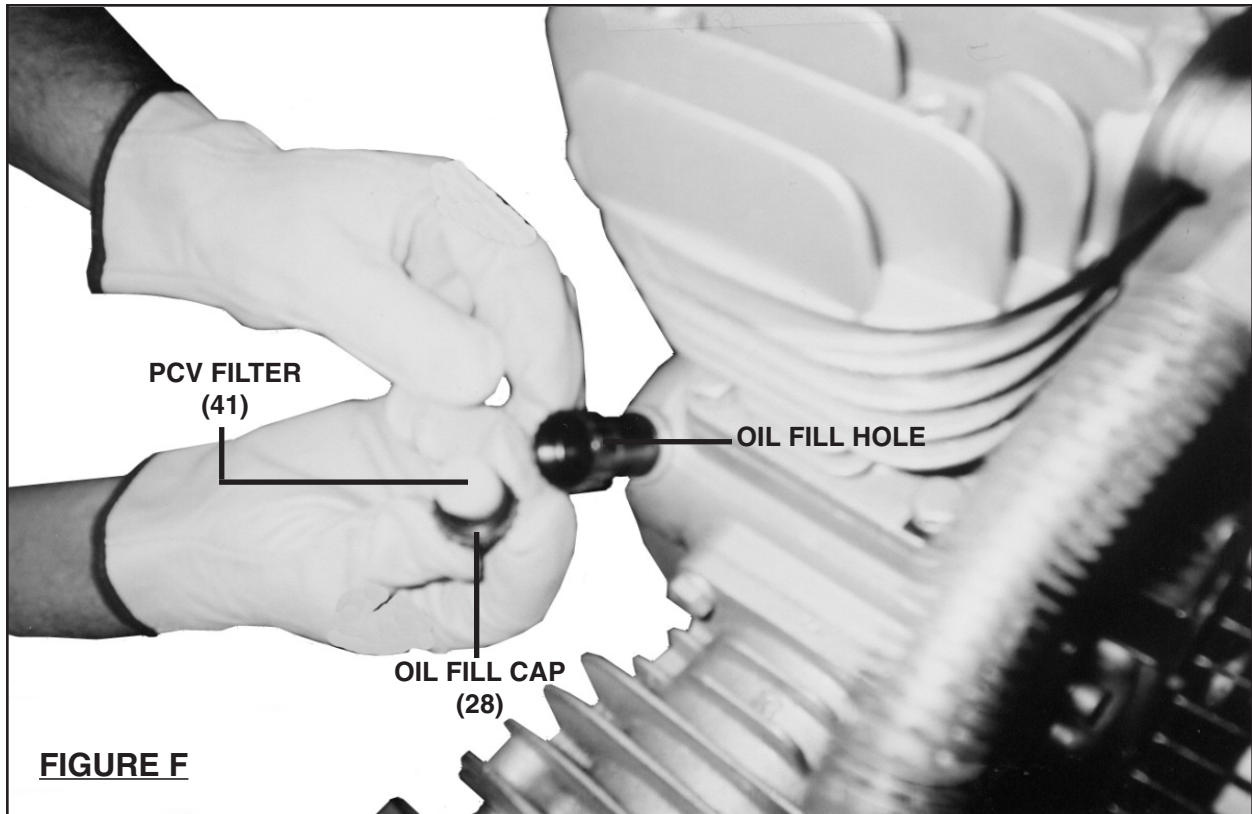
To Turn Off The Air Compressor:

1. When finished using the Air Compressor, press down on its Power Switch (9) to turn off the unit.
(See Figure E.)
2. Disconnect the Power Cord Plug (31) from its electrical outlet.
3. Turn on the pneumatic tools to expend all remaining compressed air from the Air Compressor, air hoses, and pneumatic tools.
4. Turn the Pressure Adjustment Knob (6) *counterclockwise* all the way to its “OFF” position. **(See Figure E.)**
5. Turn each Lever on the two Air Outlet Valves (4) backward to their **closed** position.
(See Figure E.)
6. Disconnect the air hoses from the Air Outlet Valves (4). **(See Figure E.)**
7. Disconnect the air hoses from the pneumatic tools. Then, keep the air hoses and pneumatic tools in a clean, dry location out of reach of children.

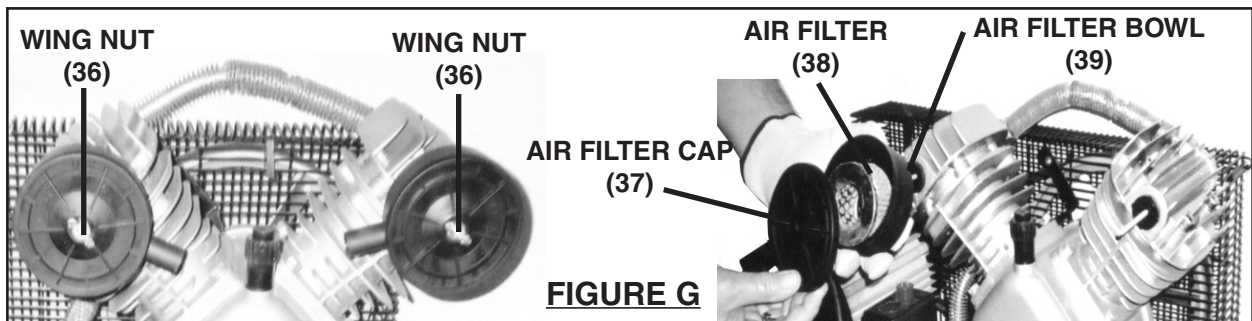
INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Always make sure the Power Switch (9) is in its “OFF” position, the Air Compressor is disconnected from its electrical outlet, and all remaining compressed air is expelled from the system before performing any inspection, maintenance, or cleaning.
2. **Before each use:** Inspect the general condition of the Air Compressor. Check for misalignment or binding of moving parts, cracked or broken parts, loose or damaged connections, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. **Do not use damaged equipment.**
3. **Before each use:** Make sure to fill the Air Compressor with a premium quality, **30 weight, non-detergent oil.** Running the Air Compressor with no oil or low oil will cause damage to the equipment and void its warranty. When filling the Air Compressor with oil, make sure to *unscrew* (do not pull) the Oil Fill Cap (28) to remove. Fill with oil until the level of the oil rises to the midway point in the Oil Level Indicator (35). Then, screw the Oil Fill Cap back onto the Oil Fill Hole.
(See Figure F, next page.)

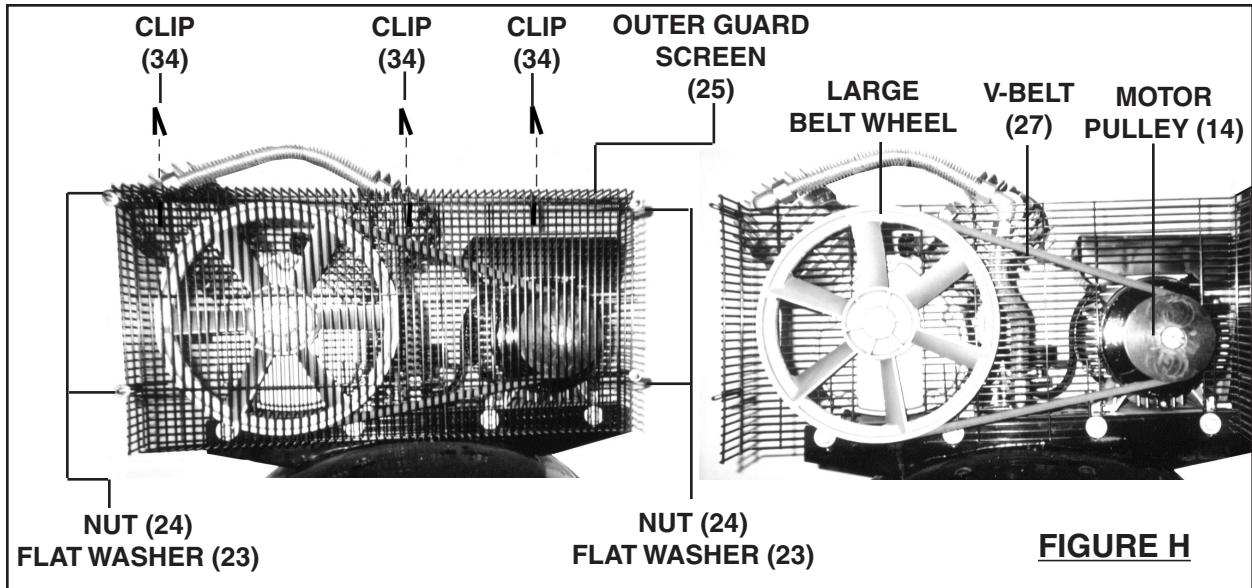
4. **NOTE:** Each time the Oil Fill Cap (28) is removed, observe the PCV Filter (41) that is located inside the Oil Fill Cap. When necessary, remove the PCV Filter and clean with a mild solvent. Allow the PCV Filter to dry. Then, replace the PCV Filter in the Oil Fill Cap, and screw the Oil Fill Cap back onto the oil fill hole. **(See Figure F.)**



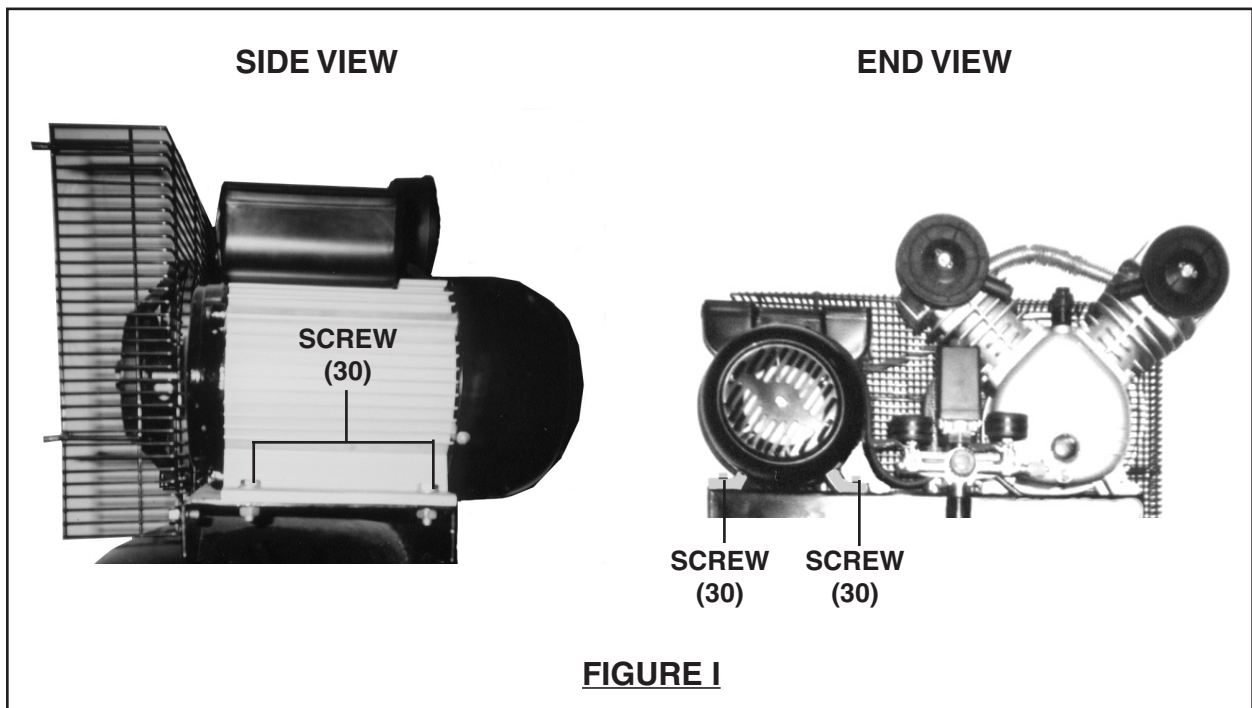
5. **Weekly:** The Air Compressor is equipped with two Air Filters (38) which should be cleaned or replaced on a weekly basis. To clean or replace the Air Filters, unscrew and remove the Wing Nut (36) on the Air Filter Cap (37). Remove the Air Filter Cap, Air Filter, and Air Filter Bowl (39). Clean the Air Filter with compressed air or, if necessary, replace the old Air Filter with a new Air Filter. Clean the Air Filter Cap and Air Filter Bowl with a mild solvent and then dry. Then, replace the Air Filter Bowl, Air Filter, Air Filter Cap, and Wing Nut. Repeat these procedures for the remaining Air Filter. **(See Figure G.)**



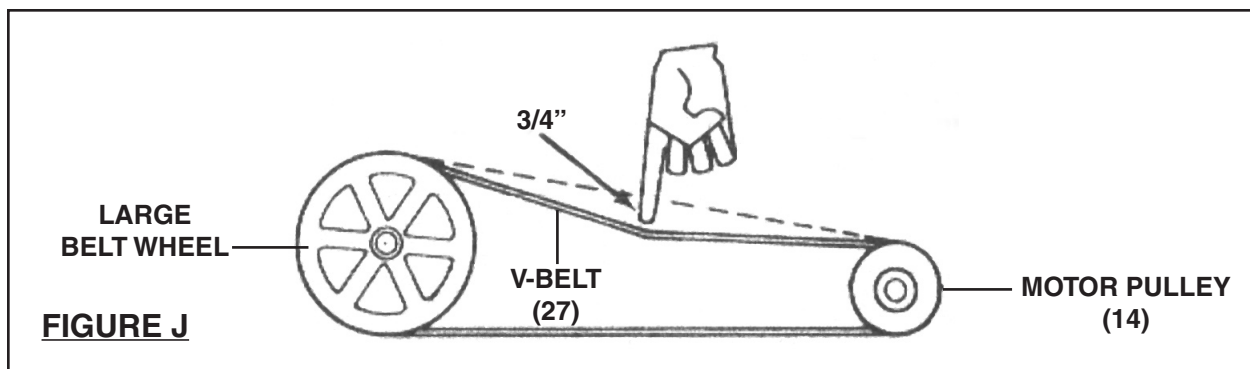
6. **To replace the V-Belt:** The Air Compressor is equipped with a V-Belt (size: A1168 Li). To replace the V-Belt, remove the four Nuts (24) and four Flat Washers (23) on the Outer Guard Screen (25). Next, remove the three Clips (34) located at the top of the Outer Guard Screen. Then, remove the Outer Guard Screen. (See Figure H.)




7. Loosen the four Screws (30) that hold the Motor (14) in place. Then, slide the Motor toward the Large Belt Wheel to loosen the tension on the V-Belt (27). (See Figures H and I.)



8. Remove the loose V-Belt (27) from the Large Belt Wheel and Motor Pulley (14). **(See Figure H.)**
9. Install a new V-Belt (27) on the Large Belt Wheel and Motor Pulley (14). **(See Figure H.)**
10. Slide the Motor (14) back toward its original position to tighten the tension on the V-Belt (27). **NOTE:** To determine the proper tension on the V-Belt, with your index finger press down on the V-Belt. The V-Belt should deflect *downward* about $3/4''$. If necessary move the Motor Pulley (14) toward or away from the Large Belt Wheel until the V-Belt deflects downward $3/4''$. Then, retighten the four Screws (3) to secure the Motor (14) in place. **(See Figures I and J.)**



11. **To clean**, use a shop vacuum cleaner, or use compressed air.
12. **When storing**, make sure to keep the Air Compressor in a safe, clean, and dry location out of reach of children.
13.  **CAUTION!** All maintenance, service, or repairs not listed in this manual are only to be attempted by a qualified service technician.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

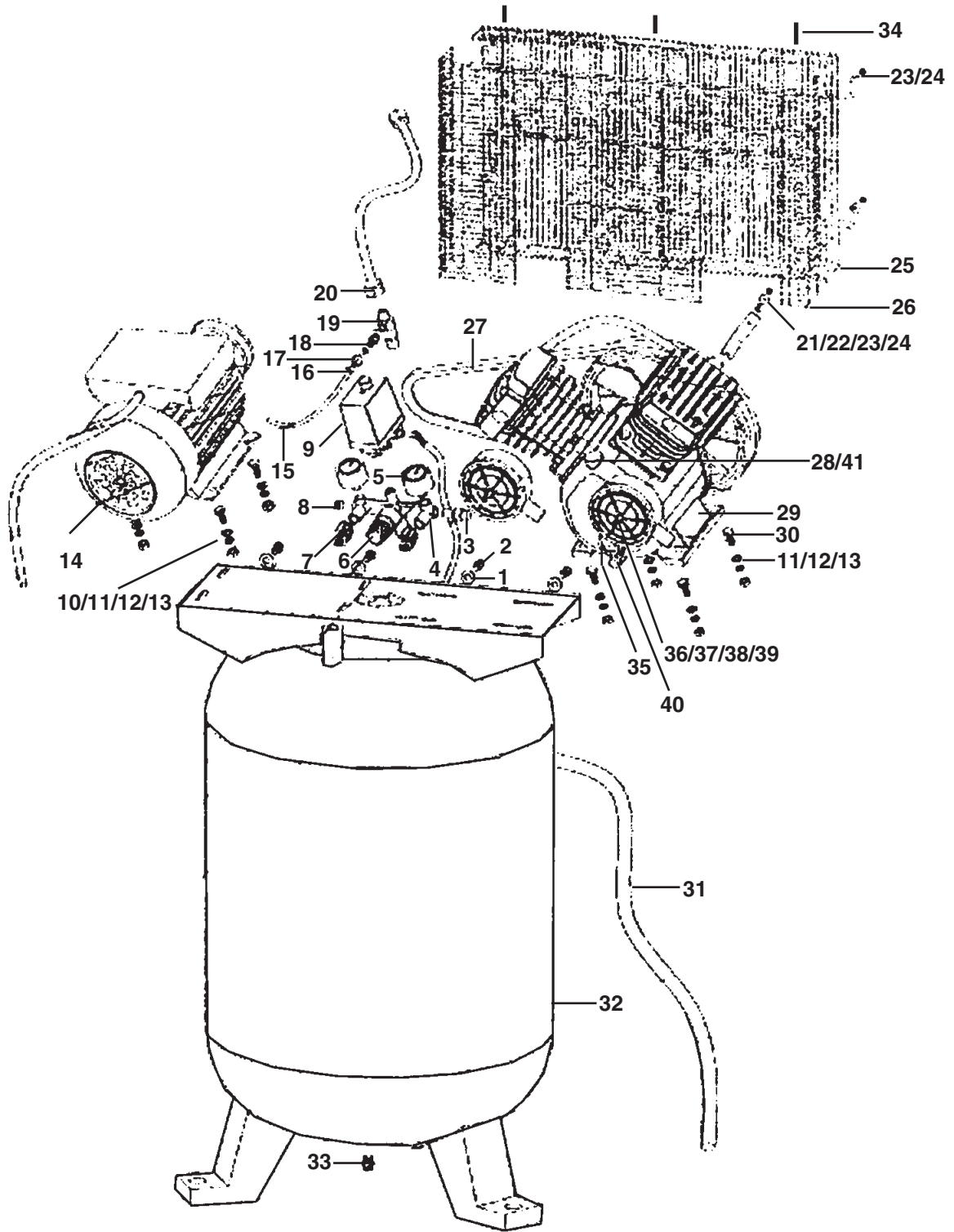
PARTS LIST

Part	Description	Qty.	Part	Description	Qty.
1	Flat Washer (8)	4	22	Screw (M5x16)	5
2	Screw (M8x16)	4	23	Flat Washer (5)	5
3	Safety Release Valve	1	24	Nut (M5)	5
4	Air Outlet Valve	2	25	Outer Guard Screen	1
5	Pressure Gauge	2	26	Inner Guard Screen	1
6	Pressure Adjustment Knob	1	27	V-Belt (A1168 Li)	1
7	Connector	2	28	Oil Fill Cap	1
8	Top Cover	1	29	Head Assembly	1
9	Power Switch	1	30	Screw (M8x16)	1
10	Screw (M8x25)	4	31	Power Cord	1
11	Spring Washer (8)	8	32	Air Tank	1
12	Flat Washer (8)	8	33	Tank Drain Valve	1
13	Nut (M8)	8	34	Clip	3
14	Motor	1	35	Oil Level Indicator	1
15	Tube	1	36	Wing Nut	2
16	Cap	1	37	Air Filter Cap	2
17	Ring	1	38	Air Filter	2
18	Connector	1	39	Air Filter Bowl	2
19	No Return Valve	1	40	Oil Drain Plug	1
20	Exhaust	1	41	PCV Filter	1
21	Bracket	1	42	Overload Reset Button	1

NOTE:

Some parts are listed and shown for illustration purposes only,
and are not available individually as replacement parts.

ASSEMBLY DIAGRAM



NOTE:

Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

WIRING DIAGRAM

