NOTES



SS5L5 SS5N5

Owner's Manual With Parts List

More Than Air. Answers.

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Ingersoil-Rand Company 800-B Beaty Street P. O. Box 1803 Davidson, NC 28036

1-ROD-AIR SERV (1-800-247-7378) v.air.ingersoll-rand.com

CONSUMER INFORMATION SHEET

Thank you for purchasing an Ingersoll-Rand product. We trust that it will offer you many years of trouble-free service. If you encounter any problems or need assistance, please refer to the information provided in this sheet.

INSTALLATION, OPERATION, MAINTENANCE & TROUBLESHOOTING ISSUES

Read the owner's manual first. Often this will clarify your understanding. If you still have problems, please call the toll-free hotline

MISSING PARTS

If parts are missing call the toll free hotline. Have the serial number, part number, model number and parts list (with missing parts circled) handy when you call. Your parts will be shipped immediately.

SHIPPING DAMAGE OR DEFECTIVE PARTS

Each new product is inspected and in good condition prior to shipment from the factory. If your product was received in a condition that was less than satisfactory, or if you discover a defect that requires service or adjustment by qualified personnel, please contact your nearest authorized service representative.

DO NOT RETURN THE PRODUCT TO YOUR RETAILER!

NOTE REGARDING **EXTENSION CORDS**

To avoid power loss and overheating, use additional air hose instead of an extension cord.

PARTS & SERVICE HOTLINE:

1-800-AIR SERV (1-800-247-7378)

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Form SCD-846A July 1999



Owner's Manual

Installation, Operation and Maintenance Instructions for Models SS3 and SS5 **Stationary Air Compressors**

IMPORTANT INFORMATION! READ AND FOLLOW THESE INSTRUCTIONS. RETAIN FOR REFERENCE.

SAFETY

DEFINITIONS

△ DANGER

WILL cause DEATH, SEVERE INJURY or substantial

△ WARNING CAN cause DEATH, SEVERE INJURY or substantial property damage

△ CAUTION WILL or CAN cause MINOR INJURY or property

damage.

GENERAL SAFETY PRECAUTIONS

△ DANGER INTAKE AIR. Can contain carbon monoxide or other contaminants. Will cause serious injury or death. Ingersoll-Rand air compressors are not designed, intended or approved for breathing air. Compressed air should not be used for breathing air applications unless treated in accordance with all applicable codes and regulations.

★ WARNING HAZARDOUS VOLTAGE. Can cause serious injury or death. Disconnect power and bleed pressure from tank before servicing. Lockout/Tagout machine. Compressor must be connected to properly grounded circuit. See grounding instructions in manual. Do not operate compressor in wet conditions. Store indoors.

> MOVING PARTS. Can cause serious injury. Do not operate with guards removed. Machine may start automatically. Disconnect power before servicing. Lockout/Tagout machine.

HOT SURFACES. Can cause serious injury. Do not touch. Allow to cool before servicing. Do not touch hot compressor or tubing

HIGH PRESSURE AIR. Bypassing, modifying or removing safety/relief valves can cause serious injury or death. Do not bypass, modify or remove safety/relief valves. Do not direct air stream at body. Rusted tanks can cause explosion and severe injury or death. Drain tank dally or after each use. Drain valve located at bottom of tank.

△ CAUTION RISK OF BURSTING. Use only suitable air handling parts acceptable for pressure of not less than the maximum allowable working pressure of the

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GENERAL INFORMATION

Your air compressor unit is suitable for operating air tools, caulking guns, grease guns, sandblasters, etc. Depending on your application, the following accessories may be required:

- An air pressure regulator to adjust the air pressure entering the
- An air line filter for removal of moisture and oil vapor in compressed air.
- An in-line lubricator to prolong the life of air tools.
- Separate air transformers which combine the functions of air regulation and/or moisture and dirt removal.

Contact your nearest authorized dealer or call 1-800-AIR-SERV for more information on air tools and accessories for your application

RECEIPT & INSPECTION

Ensure adequate lifting equipment is available for unloading and moving your unit to the installation site

Lifting equipment must be properly rated for the

weight of the unit.

Lift the unit by the shipping skid only. Use straps to prevent tipping.

△ CAUTION Do not work on or walk under the compressor while it is suspended.

Before signing the delivery receipt, inspect for damage and missing parts. If damage or missing parts are apparent, make the appropriate notation on the delivery receipt, then sign the receipt. Immediately contact the carrier for an inspection. All material must be held in the receiving location for the carrier's inspection. Delivery receipts that have been signed without a notation of damage or missing parts are considered to be delivered "clear." Subsequent claims are then considered to be concealed damage claims. Settle damage claims directly with the transportation company.

If you discover damage after receiving the unit (concealed damage), the carrier must be notified within 15 days of receipt and an inspection must be requested by telephone with confirmation in writing. On concealed damage claims, the burden of establishing that the unit was damaged in transit reverts back to the claimant.

Read the unit specification label to verify it is the model ordered, and read the motor nameplate to verify it is compatible with your electrical conditions. Make sure electrical enclosures and components are appropriate for your application.

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Form SCD-8774 March 2002

INSTALLATION

SELECTING A LOCATION

GENERAL. Select a clean, dry, well-lighted indoor area with plenty of space for proper cooling air flow and accessibility. Locate the unit at least 12 inches (30 cm) from walls, and make sure the main power supply is clearly identified and accessible.

TEMPERATURE. Ideal operating temperatures are between 32°F and 100°F (0°C and 37.8°C). If temperatures consistently drop below 32°F (0°C), locate the unit inside a heated building. If this is not possible, you must protect safety/relief valves and drain valves from freezing.

△ CAUTION Never operate in temperatures below 20°F (-6.6°C) or above 125°F (51.0°C).

HUMID AREAS. In frequently humid areas, moisture may form in the bare pump and produce sludge in the lubricant, causing running parts to wear out prematurely. Excessive moisture is especially likely to occur if the unit is located in an unheated area that is subject to large temperature changes. Two signs of excessive humidity are external condensation on the bare pump when it cools down and a "milky" appearance in petroleum compressor lubricant. You may be able to prevent moisture from forming in the bare pump by increasing ventilation, operating for longer intervals or installing a crankcase heater kit

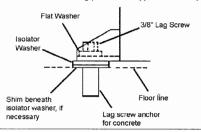
NOISE CONSIDERATIONS. Consult local officials for information regarding acceptable noise levels in your area. To reduce excessive noise, use vibration isolator pads or intake silencers, relocate the unit or construct total enclosures or baffle walls.

PERMANENT MOUNTING

A WARNING Remove the unit from the skid before mounting.

The unit must be permanently mounted. When mounting the unit, bolt the feet to a firm, level foundation (such as a concrete floor). Do not bolt uneven feet tightly to the foundation, as this will cause excessive stress on the receiver tank. Use metal shims under the "short" feet if necessary.

Typical Permanent Mounting (Customer-Supplied Hardware)



INSTALLING THE AIR INLET FILTER

△ CAUTION Do not operate the unit without the air inlet filter(s).

If the air around the unit is relatively free of dirt, install the air inlet filter(s) at the inlet connection(s) at the bare pump. If remote air inlet piping or heavy duty filtration is required, contact your dealer for information

INSTALLING DISCHARGE PIPING

If it is necessary to install air discharge and condensate discharge piping, adhere to the following general guidelines. Contact your dealer for more information.

△ WARNING Do not use plastic pipe, rubber hose, or lead-tin soldered joints anywhere in the compressed air

△ WARNING If an aftercooler, check valve, block valve, or any other restriction is added to the compressor discharge, install a properly-sized ASME approved safety/relief valve between the compressor discharge and the restriction.

△ CAUTION If you will be using Ingersoll-Rand synthetic compressor lubricant, all downstream piping

material and system components must be compatible. Refer to the following material compatibility list. If there are incompatible materials present in your system, or if there are materials not included in the list, contact your dealer or call 1-800-AIR-SERV

Suitable:

Viton®, Teflon®, Epoxy (Glass Filled), Oil Resistant Alkyd, Fluorosilicone. Fluorocarbon, Polysulfide, 2-Component Urethane, Nylon, Delrin®, Celcon®, High Nitrile Rubber (Buna N. NBR more than 36% Acrylonitrile). Polyurethane, Polyethylene, Epichlorohydrin, Polyacrylate, Melamine, Polypropylene, Baked Phenolics, Epoxy, Modified Alkyds (@ indicates trademark of DuPont Corporation)

Not Recommended:

Neoprene, Natural Rubber, SBR Rubber, Acrylic Paint, Lacquer, Varnish, Polystyrene, PVC, ABS, Polycarbonate, Cellulose Acetate, Low Nitrile Rubber (Buna N. NBR less than 36% Acrylonitrile), EPDM, Ethylene Vinyl Acetate, Latex, EPR, Acrylics, Phenoxy, Polysulfones, Styrene Acrylonitrile (San), Butyl

GENERAL REQUIREMENTS. The piping, fittings, receiver tank, etc. must be certified safe for at least the maximum working pressure of the unit. Use hard-welded or threaded steel or copper pipes and cast iron fittings that are certified safe for the unit's discharge pressure and temperature. DO NOT USE PVC PLASTIC. Use pipe thread sealant on all threads, and make up joints tightly to prevent air leaks.

CONDENSATE DISCHARGE PIPING. If installing a condensate discharge line, the piping must be at least one size larger than the connection, as short and direct as possible, secured tightly and routed to a suitable drain point. Condensate must be disposed of in accordance with local, state, and federal laws and regulations.

All compressed air systems generate condensate which accumulates in any drain point (e.g. tanks, filters, drip legs, aftercoolers, dryers). This condensate contains lubricating oil and/or substances which may be regulated and must be disposed of in accordance with local, state, and federal laws and regulations.

ELECTRICAL WIRING

△ WARNING Electrical installation and service should be performed by a qualified electrician who is familiar with all applicable local, state and federal laws and

NOTE

This product should be connected to a grounded, metallic, permanent wiring system, or an equipment-grounding terminal or lead on the product.

GENERAL. The motor rating, as shown on the motor nameplate, and the power supply must have compatible voltage, phase and hertz characteristics

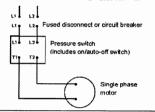
WIRE SIZE. The electrical wiring between the power supply and electric motor varies according to motor horsepower. Power leads must be adequately sized to protect against excessive voltage drop during start-up. Information for selecting the proper wire size and securing connections should be provided with the motor. If not, refer to the National Electric Code (NEC) or applicable local, state and federal laws and regulations. If other electrical equipment is

connected to the same circuit, the total electrical load must be considered in selecting the proper wire size. DO NOT USE UNDERSIZE WIRE

FUSES. Refer to the National Electric Code to determine the proper fuse or circuit breaker rating required. When selecting fuses, remember the momentary starting current of an electric motor is greater than its full load current. Time-delay or "slow-blow" fuses are recommended.

Single-Phase Wiring

T = Supply Line Terminal L = Load Terminal



COMPRESSOR LUBRICATION

△ CAUTION Do not operate without lubricant or with inadequate

lubricant, Ingersoll-Rand is not responsible for compressor failure caused by inadequate lubrication

SYNTHETIC LUBRICANT. We recommend Ingersoll-Rand synthetic compressor lubricant from start-up. See the WARRANTY section for extended warranty information.

ALTERNATE LUBRICANTS. You may use a petroleum-based lubricant that is premium quality, does not contain detergents, contains only anti-rust, anti-oxidation, and anti-foam agents as additives, has a flashpoint of 440°F (227°C) or higher, and has an auto-ignition point of 650°F (343°C) or higher.

See the petroleum lubricant viscosity table below. The table is intended as a general guide only. Heavy duty operating conditions require heavier viscosities. Refer specific operating conditions to your dealer for recommendations.

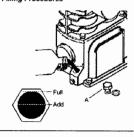
Temperature Around Unit		Viscosity @ 100°F (37.8°C)		Viscosity Grade	
°F	°C	SUS	Centistokes	ISO	SAE
40 & below	4.4 & below	150	32	32	10
40 - 80	4.4 - 26.7	500	110	100	30
80 - 125	26.7 - 51.0	750	165	150	40

If you use a petroleum-based compressor lubricant at start-up and decide to convert to Ingersoll-Rand synthetic compressor lubricant later on, the compressor valves must be thoroughly decarbonized and the crankcase must be flushed before conversion.

FILLING PROCEDURES:

- 1. Unscrew and remove the oil fill plug (A).
- 2. Slowly fill the crankcase with lubricant until the lubricant reaches the top thread of the oil fill opening and the top of the sight glass. Crankcase capacity for the SS3 is one-half (0.5) liter. Crankcase capacity for the SS5 is one (1) liter.
- 3. Replace the oil fill plug HAND TIGHT ONLY.

Filling Procedures

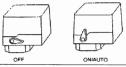


INITIAL START-UP

Follow this procedure before putting the unit into service for the first

1. Set the pressure switch lever to "OFF"

Pressure Switch Level



2. Open the service valve fully to prevent air pressure from building in the tank, (A=Open, B=Closed)

Service Valve

- 3. Move the pressure switch lever to "ON/AUTO". The unit will start.
- 4. Run the unit for 30 minutes. Ensure the service valve is fully open and there is no tank pressure build up.

△ CAUTION Unusual noise or vibration indicates a problem. Do not continue to operate until you identify and correct the source of the problem, IF EMERGENCY CONDITIONS ARE ENCOUNTERED, SHUT OFF THE MAIN POWER IMMEDIATELY.

5. After 30 minutes, close the service valve fully. The air receiver will fill to cut-out pressure and the motor will stop. The unit is now ready for

OPERATION

GENERAL

Your air compressor was designed for 100% continuous duty operation with the use of Ingersoll-Rand synthetic compressor lubricant and 60% continuous duty operation with the use of petroleum lubricant. In other words, synthetic lubricant allows the compressor to pump continuously without cycling. Petroleum lubricant limits the compressor to a maximum of 36 minutes of pumping time per hour. The compressor should not cycle more than 10 times per hour.

- 1. Set the pressure switch lever to "OFF". Close the service valve.
- 3. Attach hose and accessory
- Move the pressure switch lever to "ON/AUTO". The unit will start.
- 5. Allow tank pressure to build. The motor will stop when tank pressure reaches cut-out pressure.
- Open the service valve. The unit is now ready for use.

When the receiver tank pressure drops below the factory pre-set minimum, the pressure switch resets and restarts the unit.

WHEN YOU ARE FINISHED:

- 1. Set the pressure switch lever to "OFF"
- 2. Close the service valve fully.
- 3. Remove the air tool or accessory
- Slowly open the service valve to bleed air pressure down to 20 psig.
- 5. Slowly open the manual drain valve at the bottom of the tank to drain all condensate (water).
- 6. Close the drain valve and the service valve for the next use.

MAINTENANCE

A WARNING Disconnect, lock and tag the main power supply and release air pressure from the system before performing maintenance.

NOTE

All compressed air systems contain maintenance parts (e.g. lubricating oil, filters, separators) which are periodically replaced. These used parts may be, or may contain, substances that are regulated and must be disposed of in accordance with local, state, and federal laws and regulations.

NOTE

Take note of the positions and locations of parts during disassembly to make reassembly easier. The assembly sequences and parts illustrated may differ for your particular unit.

NOTE

Any service operations not included in this section should be performed by an authorized service representative

ROUTINE MAINTENANCE SCHEDULE

Daily or Before Each Operation

- · Check lubricant level. Fill as needed. Drain receiver tank condensate. Open the manual drain valve and collect and dispose of condensate accordingly.
- · Check for unusual noise and vibration.
- · Ensure beltguards and covers are securely in
- · Ensure area around compressor is free from rags, tools, debris, and flammable or explosive materials.

Weekiv Monthly • Inspect air filter element. Clean or replace if necessary.

- · Inspect for air leaks. Squirt soapy water around joints during compressor operation and watch for bubbles.
- · Check tightness of screws and bolts. Tighten as needed.
- Clean exterior.

 Change petroleum lubricant while crankcase is warm

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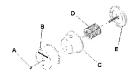
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- · Change synthetic lubricant while crankcase is warm.
- Replace filter element.
- * indicates months/operating hours, whichever occurs first.

FILTER REPLACEMENT (SS3)

- 1. Unscrew and remove the wing nut (A).
- 2. Remove the filter cover (B), baffle (C) and element (D) from the base (E).
- 3. Install a new element and reassemble the filter assembly. NOTE

The air intake holes in the baffle and cover must be staggered 180°. When reinstalling the assembly at the inlet connection, ensure the intake hole in the cover is on the bottom to minimize the entry of foreign matter from the air.



FILTER REPLACEMENT (SS5)

- 1. Unscrew and remove the wing nut (A) securing the filter housing (B) to its base (C).
- 2. Remove the filter housing and withdraw the old filter element (D). Clean the element with a jet of air or vacuum.
- 3. Replace the filter element and housing, securing it in place with the wing nut previously removed.

OIL CHANGE

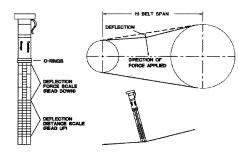
- 1. Remove the oil drain plug (A) and allow the lubricant to drain into a suitable container.
- Replace the oil drain plug.
- 3. Follow the filling procedures in OPERATION section.



BELT ADJUSTMENT

CHECKING BELT TENSION Check belt tension occasionally, especially if looseness is suspected. A quick check to determine if adjustment is proper may be made by observing the slack side of the belt for a slight bow when the unit is in operation. If a slight bow is evident, the belt is usually adjusted satisfactorily.

TENSIONING BELTS Belt tensioning can be achieved by loosening the motor anchor screws, pushing the motor away from the pump, and retightening the motor anchor screws. The motor can be easily moved by placing a prying tool beneath it. A commercially available spreader or other belt tensioning device can also be helpful should tensioning be necessary.



Follow the procedures outlined below to correctly set and measure

- 1. Lay a straight edge across the top outer surface of the belt drive from pulley to sheave.
- 2. At the center of the span, perpendicular to the belt, apply pressure to the outer surface of the belt with a tension gauge. Force the belt to the deflection indicated in the table at right. Compare the reading on the tension gauge to the following table.

Deflection in Inches	Min. Tension (Lbs.)	Max. Tension (Lbs.)
0.17	3.0	6.0

Ensure the pulley and sheave are properly aligned and the motor anchor screws are adequately retightened prior to restarting the compressor.

△ CAUTION Improper pulley/sheave alignment and belt tension can result in motor overload, excessive vibration. and premature belt and/or bearing failure.

> To prevent these problems from occurring, ensure the pulley and sheave are aligned and belt tension is satisfactory after installing new belts or tensioning existing belts.

TANK INSPECTION

The life of an air receiver tank is dependent upon several factors including, but not limited to, operating conditions, ambient environments, and the level of maintenance. The exact effect of these factors on tank life is difficult to predict; therefore. Ingersoll-Rand recommends that you schedule a certified tank inspection within the first five years of compressor service. To arrange a tank inspection, contact the pearest I-R Air Center or distributor, or call 1-800-AIR SERV.

If the tank has not been inspected within the first 10 years of compressor service, the tank must be taken out of service until it has passed inspection. Tanks that fail to meet requirements must be

△ WARNING Failure to replace a rusted air receiver tank could result in air receiver tank rupture or explosion, which could cause substantial property damage, severe personal injury, or death. Never modify or repair tank. Obtain replacement from service center.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Abnormal piston, ring or cylinder wear	Lubricant viscosity too low. Lubricant level too low. Detergent type lubricant being used. Cylinder(s) or piston(s) sachbed, worn or scored. Extremely dusty sumosphere. Worn cylinder finish.	Drain existing lubricant and refill with proper lubricant. Add lubricant to crankcase to proper level. Drain existing lubricant and refill with proper lubricant. Repair or replace as required. Instal
Air delivery drops off	1. Clogged or dirty inlet and/or discharge line filter. 2. Air leaks in air discharge pipling. 3. Lubricant viscosity too high. 4. Compressor valves leaky, broken, carbonized or loose. 5. Piston rings damaged or worn (broken, rough or scratched). Excessive end gap or side clearance. 6. Piston rings not seated, are stuck in grooves or end gaps no staggered. 7. Cylinder(s) or piston(s) scratched, worn or scored. 8. Defective safety/relief valve.	1. Clean or replace. 2. Check tubing and connections. 3. Drain existing jubricant and refill with proper lubricant. 4. Inspect valves. Clean or replace as required. Install valve kit. 5. Install ring kit. 6. Adjust piston rings. 1.7. Repair or replace as required. 8. Replace.
Unit does not come up to speed	Loose bettwheel or motor pulley, excessive end play in motor shaft or loose drive belts. Lubricant viscosity too high. Improper line voltage. Compressor valves leaky, broken, carbonized or loose. Defective ball bearings on crankshaft or motor shaft.	1. Check bettwheel, motor pulley, crankshaft, drive belt tension and alignment. Repair or replace as required. 2. Drain existing lubricant and refil with proper lubricant. 3. Check line voltage and upgrade lines as required. Contact electrician. 4. Inspect valves. Clean or replace as required. Install valve kit. 5. Inspect bearings and replace crankshaft assembly if required.
Unit is slow to come up to speed	Lubricant viscosity too high. Leaking check valve or check valve seat blown out. Ambient temperature too low. Bad motor	Drain existing lubricant and refill with proper lubricant. Replace check valve. Relocate unit to warmer environment. Install crankcase heater kit. Replace.
Unit runs excessively hot	I. Inadequate ventilation around beltwheel. Drive belts too tight or misaligned. Compressor valves leaky, broken, carbonized or loose. Wrong beltwheel direction of rotation.	Relocate unit for better air flow. Adjust belts to proper tension and alignment. Inspect valves. Clean or replace as required. Install valve kit Check motor wiring for proper connections. Reverse two leads on three-phase motors.
Excessive noise during operation	1. Loose beltwheel or motor pulley, excessive end play in motor shaft or loose drive belts. 2. Lubricant viscosity too high. 3. Lubricant level too low. 4. Compressor valves leaky, broken, carbonized or loose. 5. Carbon build-up on top of piston(s). 6. Defective ball bearings on crankshaft or motor shaft. 7. Leaking check valve or check valve seat blown out.	1. Check beltwheel, motor pulley, crankshaft, drive belt tension and alignment. Repair or replace as required. 2. Drain existing tubricant and refill with proper lubricant. 3. Add lubricant to crankcase to proper level. 4. Inspect valves. Clean or replace as required. Install valve kit 5. Clean piston(s). Repair or replace as required. 6. Inspect bearings and replace crankshaft assembly if required. 7. Replace check valve.
Excessive starting and stopping	Air leaks in air discharge piping. Pressure switch differential too narrow. Leaking check valve or check valve seat blown out. Excessive condensate in receiver tank.	Check tubing and connections. Adjust pressure switch to increase differential, if differential adjustment is provided, install pressure switch with differential adjustment feature if differential adjustment is desired. Replace check valve. Drain receiver tank with manual drain valve.
High oil consumption	1. Clogged or cirty inlet and/or discharge line filter. 2. Lubricant viscosity too low. 3. Detergent type tubricant being used. 4. Piston rings damaged or worn (broken, rough or scratched). 5. Excessive end gap or side clearance. 5. Piston rings not seated, are stuck in grooves or end gaps no staggered. 6. Cyfinder(s) or piston(s) scratched, worn or scored. 7. Connecting rod, piston pin or crankpin bearings worn or scored. 8. Crankshaft seal worn or crankshaft scored. 9. Worn cytinder finish.	Adjust piston rings.

POSSIBLE CAUSE PROBLEM POSSIBLE SOLUTION Knocking or rattling 1. Loose beltwheel or motor pulley, excessive end play in 1. Check beltwheel, motor pulley, crankshaft, drive belt tension motor shaft or loose drive belts. and alignment. Repair or replace as required. 2. Compressor valves leaky, broken, carbonized or loose 2. Inspect valves. Clean or replace as required. 3. Carbon build-up on top of piston(s). Install valve kit. 4. Cylinder(s) or piston(s) scratched, worn or scored. 3. Clean piston(s). Repair or replace as required. 5. Connecting rod, piston pin or crankpin bearings worn or 4. Repair or replace as required. Inspect all. Repair or replace as required. 6. Defective ball bearings on crankshaft or motor shaft. 6. Inspect bearings and replace crankshaft assembly if required. Lights flicker or dim when 1. Check line voltage and upgrade lines as required. Contact 1. Improper line voltage. 2. Wiring or electric service panel too small. 3. Poor contact on motor terminals or starter connections. 2. Install properly sized wire or service box. Contact electrician 4. Improper starter overload heaters. 3. Ensure good contact on motor terminals or starter 5. Poor power regulation (unbalanced line). connections. 4. Install proper starter overload heaters. Contact electrician. Contact power company. Moisture in crankcase or 1. Detergent type lubricant being used. 1. Drain existing lubricant and refill with proper lubricant. 2. Extremely light duty cycles. Run unit for longer duty cycles. petroleum lubricant or rusting 3. Unit located in damp or humid location. 3. Relocate unit. in cylinders Motor overload trips or draws 1. Lubricant viscosity too high. 1. Drain existing lubricant and refill with proper lubricant. excessive current Improper line voltage. 2. Check line voltage and upgrade lines as required. Contact Wiring or electric service panel too small. electrician 4. Poor contact on motor terminals or starter connections. 3. Install properly sized wire or service box. Contact electrician. 5. Improper starter overload heaters. 4. Ensure good contact on motor terminals or starter 6. Poor power regulation (unbalanced line). connections. 7. Drive belts too tight or misaligned. 5. Install proper starter overload heaters. Contact electrician. 8. Compressor valves leaky, broken, carbonized or loose. Contact power company. Adjust belts to proper tension and alignment. 9. Cylinder(s) or piston(s) scratched, worn or scored. 10. Connecting rod, piston pin or crankpin bearings worn or 8. Inspect valves. Clean or replace as required Install valve kit. scored. 11. Defective ball bearings on crankshaft or motor shaft. Repair or replace as required 12. Leaking check valve or check valve seat blown out. 10 Inspect all. Repair or replace as required. 13. Ambient temperature too low. 11. Inspect bearings and replace crankshaft assembly if 14.Bad motor required.

12.Replace check valve. 13. Relocate unit to warmer environment. Install crankcase heater kill Convert to synthetic lubricant. 14.Replace Motor will not start 1. Improper line voltage. 1. Check line voltage and upgrade lines as required. Contact 2. Wiring or electric service panel too small. electrician 3. Poor contact on motor terminals or starter connections 2. Install properly sized wire or service box. Contact electrician. 4. Improper starter overload heaters. 3. Ensure good contact on motor terminals or starter 5. Bad motor connections 4. Install proper starter overload heaters. Contact electrician 5. Replace Oil in discharge air (oil 1. Lubricant viscosity too low. 1. Drain existing lubricant and refill with proper lubricant. (pnigmug 2. Detergent type lubricant being used 2. Drain existing lubricant and refill with proper lubricant. 3. Piston rings damaged or worn (broken, rough or scratched). 3. Install ring kit. Excessive end gap or side clearance. Adjust piston rings. 4. Piston rings not seated, are stuck in grooves or end gaps not 5. Repair or replace as required. 6. Deglaze cylinder with 180 grit flex-hone. staggered. Cylinder(s) or piston(s) scratched, worn or scored. 7. Drain receiver tank with manual drain valve 6. Worn cylinder finish. 7. Excessive condensate in receiver tank Oil leaking from shaft seal 1. Crankshaft seal worn or crankshaft scored. 1. Replace seal or crankshaft assembly. Safety/relief valve "pops" 1. Clogged or dirty inlet and/or discharge line filter 1. Clean or replace. 2. Compressor valves leaky, broken, carbonized or loose 2. Inspect valves. Clean or replace as required. 3. Defective safety/relief valve. Install valve kit.

3. Replace

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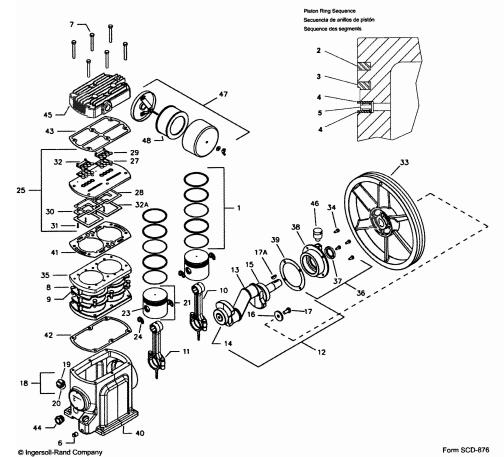


Ingersoll-Rand Company 800-B Beaty Street P. O. Box 1803 Davidson, NC 28036 1-800 AIR SERV www.air.ingersoll-rand.com

PARTS LIST FOR MODEL SS5 BARE COMPRESSOR PUMP

Printed in U.S.A.

LISTA DE PIEZAS PARA MODELO SS5 BOMBA COMPRESORA SIN ACCESORIOS LISTE DE PIÈCES POUR COMPRESSEUR NU, MODÈLE SS5



December 1999

PT PERF. VT294169 PMPF. PARTE COMPRESSOR BORNA COMPRESSOR AN ACCESORIUS COMPRESSEUR NU	Г	REF. NO.	PART NO.				OTY.
Pro BRP. Pro BRPC				DESCRIPTION	DESCRIPCIÓN	DESCRIPTION	
REF. 973-1146 PIAMP, BARS COMPRESSOR DOMBA COMPRESSOR SAN ACCESORING CAMPRESSISSIR N				DESCRIPTION	DESCRIPCION	DESCRIPTION .	
1 20192719 SEF, PRITON RING	\vdash			PUMP, BARE COMPRESSOR	BOMBA COMPRESORA SIN ACCESORIOS	COMPRESSEUR NU	- Q.L.
2 NSS	×	1					2
3 NSS		2	NSS				
S		3	NSS	RING, SCRAPER	ANILLO RASCADOR		1
6 9933333 PLUG, OL DRAIN TAPON ROS/ADD DE PURGA DEL ACETTE BOUGHON DE VIDANGE D'ULLE 1 1 1 1 1 1 1 1 1		4	NSS	RING, OIL CONTROL SPACER			2
6 9933583 PLUG, QL DRAIN	\Box	5	NSS				
S 9670223 CAPSCREW, MB X 26 (CYLINDER BOLT) TORNILLO DE CABEZA, MB X 20 (PERNO DE CYLINDER)		6	95033593	PLUG, OIL DRAIN			1
9 96728316 WASHER, SPRING MARADELA DE MAELLE RONDELLE À RESSORT MS 6 10 97333173 ASSEMBLY, CONNECTINO ROO CONJUNTO DE BIELA BIELLE 2 2 2 2 2 2 2 2 2		7	96706874	CAPSCREW. M8 X 65 (HEAD BOLT)	TORNILLO DE CABEZA, M8 X 55 (PERNO DE CULATA)		6
10 9733377 ASSEMBLY, CONNECTINO ROD CONJUNTO DE BIELA BIELLE 2 11 9879976 ● CAPSCREWN, MS 23 ● TORNINGHULO DE CAREZA, MS 25 ● VIST DYSSEMBLAGE MS 25 2 12 20107711 ASSEMBLY, CONVARIANT — SERVICE CONJUNTO DE CODENAL, SERVICIO ENSEMBLE DE VILEBRECUIN 1 13 NSS ● CRAINGSANAT ● COLUERAL ● VILEBRECUIN 1 14 NSS ● CRAINGSANAT ● COLUERAL ● VILEBRECUIN 1 15 NSS ● DEARING, BALL ● COLINETE DE BOLAS ● PALER PRINCIPAL 1 16 SASCRIM, CANADA ● COLINETE DE BOLAS ● PALER PRINCIPAL 1 17 NASSEMBLAGE MS X 25 ← COLUERAL 1 18 PALER A BILLES 1 19 PALER A BILLES 1 11 PARTON ● PALER A BILLES 1 12 PARTON ● PALER A BILLES 1 13 PARTON ● PALER A BILLES 1 14 PARTON ● PALER A BILLES 1 15 PALER A BILLES 1 16 PALER A BILLES 1 17 PARTON ● PALER A BILLES 1 18 PALER A BILLES 1 19 PALER A BILLES 1 19 PALER A BILLES 1 10 PARTON ● PALER A BILLES 1 10 PARTON ● PALER A BILLES 1 11 PARTON ● PALER A BILLES 1 12 PARTON ● PALER A BILLES 1 13 PARTON ● PALER A BILLES 1 14 PALER A BILLES 1 15 PALER A BILLES 1 15 PALER A BILLES 1 16 PALER A BILLES 1 17 PARTON ● PALER A BILLES 1 18 PALER A BILLES 1 19 PALER A BILLES 1 19 PALER A BILLES 1 10 PALER A BILLES 1	L	8	96702253	CAPSCREW, M8 X 25 (CYLINDER BOLT)	TORNILLO DE CABEZA, M8 X 20 (PERNO DE CILINDRO)	VIS D'ASSEMBLAGE, M8 X 20 (BOULON DE CYLINDRE)	6
11 99709378	_				ARANDELA DE MUELLE	RONDELLE À RESSORT M8	6
12 20192711 ASSEMBLY, CRAMISHAFT - SERVICE CONLINTO DE CIGÜEÑAL, SERVICIO ENSEMBLE DE VILEBREQUIN 1 1 1 1 1 1 1 1 1	\vdash	10		ASSEMBLY, CONNECTING ROD	CONJUNTO DE BIELA	BIELLE	2
13	<u></u>	11	96705876	CAPSCREW, M8 X 35	 ◆ TORNILLO DE CABEZA, M6 X 25 	VIS D'ASSEMBLAGE M6 X 25	2
14 NSS	_	12	20102711	ASSEMBLY, CRANKSHAFT — SERVICE	CONJUNTO DE CIGÜEÑAL, SERVICIO	ENSEMBLE DE VILEBREQUIN	1
15 NSS ● BEARING, BALL ● COJINETE DE SOLAS ● PALIER À BILES 1 16 542504 ● WASHER ● ARAYOELA, MB ● RONDELLE MB 1 17 96730437 ● CAPSCREW, MB X 20 — LEFT HAND 17 17 17 17 17 17 17 17 17 17 17 17 17 1	_	13	NSS	CRANKSHAFT	CIGÜEÑAL	VILEBREQUIN	1
16	_	14	NSS	BEARING, MAIN	COJINETE PRINCIPAL	PALIER PRINCIPAL	1
17	-	15	NSS	BEARING, BALL	COJINETE DE BOLAS	PALIER À BILLES	1
177A 9824594 KEY, WOODRUFF CANAPTE DE MEDIA LUNA CLAYETTE WOODRUFF	\vdash	16	54423504	WASHER	ARANDELA, M8	RONDELLE M8	1
18 97334254 ASSEMBLY, OIL FILL PLUG CONLINTO DE TAPÓN ROSCADO PARA RELLENO ENSENBLE DE BOUCHON DE REMPLISSAGE 1	L			THREAD	IZQUIERDA	 VIS D'ASSEMBLAGE M8 X 14 FILETÉE À GAUCHE 	1
DE LUBRICANTE	-				CHAVETA DE MEDIA LUNA	CLAVETTE WOODRUFF	
LUBRICANTE	L				DE LUBRICANTE	D'HUILE	
RELLEND DE LUBRICANTE REMPLISSAGE D'HUILE 21 97333389 ASSEMBLY, PISTON & PIN CONJUNTO DE PISTÓN Y PASADOR ENSEMBLE DE PISTÓN ET AXE 2 22 NSS ● PISTÓN ● PISTÓN ● PISTÓN 1 23 NSS ● PIR, PISTÓN ● PASADOR DE PISTÓN ● AXE DE PISTÓN 1 24 NSS ● PIR, PISTÓN ● PASADOR DE PISTÓN ● CIRCLIP 2 24 NSS ● PIR, PISTÓN ● PASADOR DE PISTÓN ● CIRCLIP 2 25 97333601 ASSEMBLY, VALVE CONJUNTO DE VALVULA CLAPET 1 26 NSS ● PLATE, VALVE CONJUNTO DE VALVULA CLAPET PLAQUE DE CLAPET 1 27 NSS ● VALVE, INLET ● VALVULA DE DESCARGA ● CLAPET D'ASPIRATION 2 28 NSS ● VALVE, INLET ● VALVULA DE DESCARGA ● BLITE DE REFOULEMENT 2 30 NSS ● STOP, DISCHARGE ● VALVULA DE DESCARGA ● BLITE DE REFOULEMENT 2 31 NSS ● STOP, DISCHARGE <td>L</td> <td></td> <td></td> <td></td> <td>LUBRICANTE</td> <td></td> <td></td>	L				LUBRICANTE		
22 NSS	_				RELLENO DE LUBRICANTE	REMPLISSAGE D'HUILE	
23 NSS ● PIN, PISTON ● PASADOR DE PISTÓN ● AXE DE PISTON 1 24 NSS ● RING LOCK ● ANILLO DE PIACIÓN ● CIRCLIP 2 2 NSS ● RING LOCK ● ANILLO DE PIACIÓN ● CIRCLIP 2 2 NSS ● PLATE, VALVE ● PLATILLO DE VALVULA CLAPET 1 2 NSS ● PLATE, VALVE ● PLATILLO DE VALVULA 0 PLAQUE DE CLAPET 1 2 NSS ● VALVE, INSCHARGE ● VALVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 2 NSS ● VALVE, INSCHARGE ● VALVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 2 NSS ● VALVE, INSCHARGE ● VALVULA DE ADMISIÓN ● CLAPET DE REFOULEMENT 2 2 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 3 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 3 NSS ● RETAINER, INLET ● RETÉN, ADMISIÓN ● CLAPET DES PIRATION 2 3 NSS ● NOT, HEX — M3 WILOCKWASHER BUGGUE OF ADMISIÓN ● SURE TEN LED M3 X 16 ● 4 3 NSS ● NOT, HEX — M3 WILOCKWASHER BUGGUE OF ADMISIÓN ● TORNILLO DE CABEZA HEXAGONAL — M3 CIRANDELA DE € CORQU HEX M3 AVEC RONDELLE DE BLOVAGO. 3 NSS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● BUTÉE D'ASPIRATION 2 3 NSS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● BUTÉE D'ASPIRATION 2 3 P3335756 BELTWHEEL RUDGUE OF ADMISIÓN ● BUTÉE D'ASPIRATION 2 3 P3335756 BELTWHEEL RUDGUE OF ADMISIÓN ● BUTÉE D'ASPIRATION 2 3 P3335756 BELTWHEEL RUDGUER TORNILLO DE CABEZA, M6 X 14 (PERNOS DE BLOVAGO. 3 P333488 C'YLINDER CILINDRO C'UNIDRE 1 3 P333480 C'UNIDER CILINDRO C'UNIDRE 1 3 P333480 C'UNIDER CILINDRO C'UNIDRE 1 3 P333481 ● CARCE, END C'UNIDRE CILINDRO C'UNIDRE 1 4 PASACOSO C'APSCREW, M6 X 14 (END COVER — SERVICIO ENSEMBLE DE CARTER 1 4 P3335561 DA SASSON C'UNIDER ENDATEDRA PARE ALES ● JOINT D'ARBRE 1 5 P333483 ● COVER, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 5 P333481 ● CARCE, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 5 P333491 ● CARCER DE COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 5 P333491 ● CARCER DE COMPRESSOR BATTENTE, COMPRESSOR DA SATTENTE. ODIT D'ARBRE 1 5 P333491 FAMBLE, COMPRESSOR BATTENTE, COMPRESSOR DA SATTENTE. ODIT D'ARBRE 1 5 P4416667 GASKET,	\vdash						
24 NSS ● RING, LOCK ● ANILLO DE FIJACIÓN ● CIRCLIP 2 25 9733061 ASSEMBLY, VALVE CONJUNTO DE VALVULA CLAPET 1 26 NSS ● PLATE, VALVE ● PLATILLO DE VALVULA 0 • PLAQUE DE CLAPET 1 27 NSS ● VALVE, OISCHARGE ● VALVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 28 NSS ● VALVE, DISCHARGE ● VALVULA DE OESCARGA ● CLAPET DE REFOULEMENT 2 29 NSS ● VALVE, INLET ● VALVULA DE ADMISIÓN ● CLAPET DE REFOULEMENT 2 30 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 31 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 32 NSS ● RETAINER, INLET ● RETÉN, ADMISIÓN ● VOLET DE RETENUE D'ASPIRATION 2 31 NSS ● SCREW, HEX HEAD — M3 X 18 ● TORNILLO DE CABEZA HEXAGONAL — M3 X 18 ● VIS A TÊTE HEX M3 X 16 ● BUTÉE DE SCREW, HEX HEAD — M3 WILDOKWASHER ■ TURCCA HEXAGONAL — M3 CARANDELA DE ● ÉCOQUI HEX, M3 A VEC RONDELLE DE BLOCAGE 32A NSS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● BUTÉE D'ASPIRATION 2 33 97335766 BELTYMEEL RUEDA DE POLEA VOLANT D'ENTRAÎNEMENT 1 34 97330500 CAPSCREW, MS X 14 (END COVER TORNILLO DE CABEZA, MS X 14 (PERNOS DE LAS DEL SALE) SALE DE POLEA VOLANT D'ENTRAÎNEMENT 1 35 97333468 BELTYMEEL RUEDA DE POLEA VOLANT D'ENTRAÎNEMENT 1 36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 97335624 ● SEAL, SHAFT ● OBTURADOR PARA EJES ● JOINT D'ARBRE 1 38 NSS ● COVER, END ● TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 39 9733343 ● GASKET, END COVER ● EMPAQUETADURA, TAPA DE EXTREMA ● JOINT D'ARBRE 1 1 \$4426900 GASKET, VULY PLATE EMPAQUETADURA, TAPA DE EXTREMA ● JOINT D'ARBRE 1 1 \$4426900 GASKET, VULY PLATE EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 1 \$442690 GASKET, CYLINDER EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 1 \$442690 GASKET, L'EVE PLATE EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 1 \$442690 GASKET, L'EVE PLATE EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 1 \$4426900 GASKET, L'EVE PLATE EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 1 \$4426900 GASKET, L'EVE PLATE EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 1 \$4426900 GASKET, L'EVE PLATE EMPAQUETADURA, CILINDR	-						
□ 25 97335061 ASSEMBLY, VALVE CONJUNTO DE VALVULA CLAPET 1 26 NSS ◆ PLATE, VALVE ◆ PLATILLO DE VALVULA ● PLAQUE DE CLAPET 1 27 NSS ◆ VALVE, DISCHARGE ◆ VALVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 28 NSS ◆ VALVE, INLET ◆ VALVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 29 NSS ◆ STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 30 NSS ◆ RETAINER, INLET ● RETÊNE, ADMISIÓN ● VOLET DE RETENUE D'ASPIRATION 2 31 NSS ◆ STOP, DISCHARGE ● TORNILLO DE CABEZA HEXAGONAL.—M3 X 18 ◆ VIS A TÊTE HEX M3 X 18 4 32 NSS • NUT, HEX — M3 WILOCKWASHER ● TURCA HEXAGONAL.—M3 C/ARANDELA DE E DECROUNTE D'ASPIRATION 2 32A NSS • STOP, INLET ● DETENEDOR DE ADMISIÓN • BUTÉE DE ASPIRATION 2 33 97335766 BELTWHEEL RUEDA DE POLEA VOLANT D'ENTRAINEMENT 1 34 97330600 CAPSCRREW, MG X 14 (END	\vdash						
28 NSS ● PLATE, VALVE ● PLATILLO DE VALVULA ● PLAQUE DE CLAPET 1 27 NSS ● VALVE, DISCHARGE ● VALVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 28 NSS ● VALVE, NINET ● VALVULA DE ADMISIÓN ● CLAPET DE REFOULEMENT 2 29 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 30 NSS ● RETAINER, INLET ■ RETÉN, ADMISIÓN ● CLAPET DASPIRATION 2 31 NSS ● SCREW, HEX HEAD — NAX 18 ● TORNILLO DE CABEZA HEXAGONAL — MX 18 ● VOLET DE RETENUE D'ASPIRATION 2 32 NSS ● NUT, HEX — M3 WILOCKWASHER ■ CUGUEO BE CABEZA HEXAGONAL — M3 CIRANDELA DE € CORQU HEX M3 VEC RONDELLE DE BLOQUEO BLOCK GE	-						
27 NSS ● VALVE, DISCHARGE ● VÁLVULA DE DESCARGA ● CLAPET DE REFOULEMENT 2 28 NSS ● VALVE, INLET ● VÁLVULA DE ADMISIÓN ● CLAPET DE REFOULEMENT 2 29 NSS ● STOP, DISCHARGE ● DETEREDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 30 NSS ● RETAINER, INLET ● RETÉEN, DAMISIÓN ● VOLET DE RETENUE D'ASPIRATION 2 31 NSS ● SCREW, HEX HEAD — M3 X 16 ● TORNILLO DE CABEZA HEXAGONAL — M3 X 18 ● VIS À TÊTE HEX M3 X 18 4 32 NSS ● NUT, HEX — M3 WILLOCKWASHER ● TUERCA HEXAGONAL — M3 CARANDELA DE ● ÉCRQUI HEX, M3 AVEC RONDELLE DE 4 32A NSS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● BUTEE DASPIRATION 2 33 97335766 BELTYMEEL ■ DETENEDOR DE CALA VOLANT D'ENTRAÍNEMENT 1 34 97335076 BELTYMEEL ■ TORNILLO DE CABEZA, M6 X 14 (PERNOS DE EXCEDE MS X 14 (BOULON DE CARTER) 1 35 9733562 BELTYMEEL CULINDRO CYLINDRE 1 36 20102729	1-						
28 NSS ● VALVE, INLET ● VÁLVULA DE ADMISIÓN ● CLAPET D'ASPIRATION 2 29 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTEE DE REFOLUEMENT 2 30 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● VOLET DE RETENUE D'ASPIRATION 2 31 NSS ● SCREW, HEX HEAD — M3 X 18 ● TORNILLO DE CABEZA HEXAGONAL — M3 X 18 ● VIS A TETE HEX M3 X 18 ● A MISS ● SCREW, HEX HEAD — M3 X 18 ● TORNILLO DE CABEZA HEXAGONAL — M3 X 18 ● VIS A TETE HEX M3 X 19 ● A MISS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● DITE DE ASPIRATION 2 32 NSS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● BUTEE D'ASPIRATION 2 33 97339756 BELTWHEEL RUEDA DE POLEA VOLANT D'ENTRAINEMENT 1 34 97330500 CAPSCREW, MS X 14 (END COVER TAPA ÉXTREMA) — VOLANT D'ENTRAINEMENT 1 35 97339486 CYLINDER CILINDRO CYLINDRE 1 36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 97339624 ● SEAL, SHAFT ● OBTURADOR PARA EJES ● JOINT D'ARBRE 1 38 NSS ● COVER, END ● TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 39 97339491 A GASKET, END COVER ● EMPAQUETADURA, TAPA DE EXTREMA ● JOINT DE CARTER 1 40 97334171 FRAME, COMPRESSOR BATTENTE, COMPRESOR CHASSIS DE COMPRESSEUR 1 41 54426900 GASKET, VALVE PLATE EMPAQUETADURA, CILINDRO JOINT DE FALUE DE CLAPET 1 42 97333546 GASKET, END COVER ● EMPAQUETADURA, TAPA DE EXTREMA → SINT DE CLARSES 1 44 97334270 GASKET, END COVER ● EMPAQUETADURA, TAPA DE EXTREMA O JOINT DE CARTER 1 44 97334271 FRAME, COMPRESSOR BATTENTE, COMPRESOR CHASSIS DE COMPRESSEUR 1 45 54410683 HEAD CULATA JOINT DE TAPALUD DE CLAPET 1 46 54426900 GASKET, VALVE PLATE EMPAQUETADURA, CILINDRO JOINT DE CLASSE 1 47 54406940 FILTE TO SASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 54406940 FILTE TO SASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 54406967 FILTE TO SASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1	-						
29 NSS ● STOP, DISCHARGE ● DETENEDOR DE DESCARGA ● BUTÉE DE REFOULEMENT 2 30 NSS ● RETAINER, INLET ● RETÉN, ADMISIÓN VOLET DE RETENUE D'ASPIRATION 2 31 NSS ● SCREW, HEX HEAD — M3 X 18 ● TORNILO DE CABEZA HEXAGONAL — M3 X 18 VOLAT DE TERTE HEX M3 X 16 4 32 NSS ● NUT, HEX — M3 WILOCKWASHER ● TUGRCA HEXAGONAL — M3 CIARANDELA DE € CORQU HEX, M3 AVEC RONDELLE DE 4 32A NSS ● STOP, INLET ● DETENEDOR DE ADMISIÓN ● BUTÉE D'ASPIRATION 2 33 97339756 BELTWHEEL RUEDA DE POLEA VOLANT D'ENTRAINEMENT 1 34 97330950 BELTYMHEEL TORNILLO DE CABEZA, M6 X 14 (PERNOS DE VIS D'ASSEMBLAGE M6 X 14 (BOULON DE 35 97333496 CYLINDER CILINDRO CARTER) 35 97333406 CYLINDER CILINDRO CYLINDRE 1 36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 97333402 • SEAL, SHAFT •	-						
30	\vdash						
31 NSS SCREW, HEX HEAD — M3 X 18 TORNILLO DE CABEZA HEXAGONAL — M3 X 18 VIS À TÊTE HEX M3 X 16	\vdash						
32 NSS ● NUT. HEX — M3 WILOCKWASHER ● TUERCA HEXAGONAL — M3 CIARANDELA DE ● ÉCROU, HEX. M3 AVEC RONDELLE DE BLOCAGE 32A NSS ● STOP, INLET ● DETERNEDOR DE ADMISSIÓN ● BUTEE D'ASPIRATION 2 33 97339756 BELTWHEEL RUEDA DE POLEA VOLANT D'ENTRAÎNEMENT 1 34 97330506 DEL TWHEEL TORNE TORNILLO DE CABEZA, M6 X 14 (PERNOS DE LA VIS D'ASSEMBLAGE M6 X 14 (BOULON DE CARTER) 35 97333486 CYLINDER CILINDRO CONTRO CYLINDRE 1 36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 97335624 ● SEAL, SHAFT ● OBTURADOR PARA EJES ● JOINT D'ARBRE 1 38 NSS ● COVER, END ● TAPA EXTREMA ● CARTER 1 39 9733343 ● CASKET, END COVER ● EMPAQUETADURA, TAPA DE EXTREMA ● JOINT D'ARBRE 1 40 97334171 FRAME, COMPRESSOR BATIENTE, COMPRESOR CHASSIS DE COMPRESSEUR 1 41 5442650 GASKET, TURIDER EMPAQUETADURA, PLATILLO DE VALVULA JOINT DE PLAQUE DE CLAPET 1 X 42 9733346 GASKET, CYLINDER EMPAQUETADURA, CILINDRO JOINT DE CLAPET 1 44 97334270 GASSET, MEX DE EMPAQUETADURA, CILINDRO JOINT DE CULASSE 1 44 97334270 GASSET, HEAD EMPAQUETADURA, DE NIVEL D'EN JOINT DE CLAPET 1 45 54410667 GASSET, HEAD EMPAQUETADURA, DE NIVEL D'EN JOINT DE CULASSE 1 46 77243936 ASSEMBLY, VENT COUJUNTO DE PURGA ENTERDA ENSEMBLE D'EVENT 1 47 5440690 FILTRE O'ASSEMBLY, VENT COUJUNTO DE PURGA ENSEMBLE D'EVENT 1	\vdash						_
32A NSS	\vdash				TUERCA HEXAGONAL M3 C/ARANDELA DE	ÉCROU HEX. M3 AVEC RONDELLE DE	
33 97335756 BELTWHEEL RUEDA DE POLEA VOLANT D'ENTRAÎNEMENT 1 34 97330500 CAPSCREW, MG X 14 (END COVER TORNILLO DE CABEZA, MG X 14 (PERNOS DE VIS D'ASSEMBLAGE MG X 14 (BOULON DE 4 CARTER) 35 9733489 C'ILINDER CILINDER CILINDRO VIS D'ASSEMBLAGE MG X 14 (BOULON DE 6 LINDRO VIS D'ASSEMBLAGE MG X 14 (BOULON DE 6 LINDRO CARTER) 36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 97336624 ● SEAL, SHAFT ● OBTURADOR PARA EJES ● JOINT D'ARBRE 1 38 NSS ● COVER, END ● TAPA EXTREMA ● JOINT D'ARBRE 1 39 97333843 ● GASKET, END COVER ● EMPAQUETADURA, TAPA DE EXTREMA ● JOINT DE CARTER 1 40 97334171 FRAME, COMPRESSOR BATIENTE, COMPRESOR CHÁSSIS DE COMPRESSEUR 1 41 54425800 GASKET, VALVE PLATE EMPAQUETADURA, CILINDRO JOINT DE PLAQUE DE CLAPET 1 1 42 97333546 GASKET, VALVE PLATE EMPAQUETADURA, CILINDRO JOINT DE CYLINDRE 1 44 97334270 GASSES SIGHT VISOR DE NIVEL VISEUR 1 45 54410683 HEAD CULATA CULASSE 1 46 702433936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 5440890 FILTRE TOASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1	-	374	NSS	STOP INLET			
34 97330500 CAPSCREW, MG X 14 (END COVER TORNILLO DE CABEZA, MG X 14 (PERNOS DE OLTS) VIS D'ASSEMBLAGE MG X 14 (BOULON DE 4 60\LTS) 4 9733488 CYLINDER CILINDRO CILINDRO CYLINDRE 1 36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 97335624 ● SEAL, SHAFT ● OBTURADOR PARA EJES ● JOINT D'ARBRE 1 38 NSS ● COVER, END ● TAPA EXTREMA ● CARTER 1 39 97333843 ● CASKET, END COVER ● € MPAQUETADURA, TAPA DE EXTREMA ● JOINT DE CARTER 1 40 97334171 FRAME, COMPRESSOR BATIENTE, COMPRESOR CHÁSSIS DE COMPRESSEUR 1 1 54425600 GASKET, L'UNIDER EMPAQUETADURA, CILINDRO JOINT DE PLAQUE DE CLAPET 1 1 ★ 42 9733546 GASKET, CYLINDER EMPAQUETADURA, CILINDRO JOINT DE CARTER 1 44 97334270 GASSE, THEAD EMPAQUETADURA, DE LULATA JOINT DE CYLINDRE 1 44 97334270 GASSE, SIGHT VISIOR DE MPAQUETADURA DE CULATA JOINT DE CULASSE 1 45 54410663 HEAD CULATA CULASSE 1 46 77243936 ASSEMBLY, ENT CONJUNTO DE PURGA ENSEMBLE D'EVENT 1 47 54406640 FILTER JORGEN FARDO CULATA FILTRE DE LOUATSE 1 47 54406640 FILTER JORGEN SEMBLE D'EVENT 1	-						
35 97333488 CYLINDER	Г			CAPSCREW, M6 X 14 (END COVER	TORNILLO DE CABEZA, M6 X 14 (PERNOS DE	VIS D'ASSEMBLAGE M6 X 14 (BOULON DE	4
36 20102729 ASSEMBLY, END COVER — SERVICE CONJUNTO DE TAPA EXTREMA — SERVICIO ENSEMBLE DE CARTER 1 37 9733624 • SEAL, SHAET • OBTURADOR PARA EJES • JOINT D'ARBRE 1 1 1 1 1 1 1 1 1		35	97333488				1
37 97335624	\vdash						
38 NSS	-						<u> </u>
39 97333843	-						
40 97334171 FRAME, COMPRESSOR BATIENTE, COMPRESOR CHÂSSIS DE COMPRESSEUR 1 ☐ 41 54426900 GASKET, VALVE PLATE EMPAQUETADURA, PLATILLO DE VÁLVULA JOINT DE FLAQUE DE CLAPET 1 ☐ 43 54410667 GASKET, CYLINDER EMPAQUETADURA, CILINDRO JOINT DE CYLINDRE 1 ☐ 44 97334270 GLASS, SIGHT VISOR DE NIVEL VISEUR 1 44 97334270 GLASS, SIGHT VISOR DE NIVEL VISEUR 1 45 54410683 HEAD CULATA CULASSE 1 46 70243936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 54406840 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION 1	\vdash						
□ 41 54429600 GASKET, VALVE PLATE EMPAQUETADURA, PLATILLO DE VÁLVULA JOINT DE CYLINDRE 1 X 42 97339546 GASKET, LORINDER EMPAQUETADURA, CILINDRO JOINT DE CYLINDRE 1 □ 43 54410667 GASKET, HEAD EMPAQUETADURA DE CULATA JOINT DE CULASSE 1 □ 44 97334270 GLASS, SIGHT VISOR DE NIVEL VISEUR 1 □ 45 54410663 HEAD CULATA CULASSE 1 □ 46 70243936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'EVENT 1 □ 47 54406640 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION 1	\vdash						
X 42 97333546 GASKET, CYLINDER EMPAQUETADURA, CILINDRO JOINT DE CYLINDRE 1 L3 54410667 GASKET, HEAD EMPAQUETADURA DE CULATA JOINT DE CULASSE 1 44 97334270 GLASS, SIGHT VISOR DE NIVEL VISEUR 1 45 54410683 HEAD CULATA CULASSE 1 46 70243936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE DÉVENT 1 47 54406940 FILTRE, INLET FATRO DE ENTRADA FILTRE O'ASPIRATION 1	0						
43 54410667 GASKET, HEAD EMPAQUETADURA DE CULATA JOINT DE CULASSE 1 44 97334270 GLASS, SIGHT VISOR DE NIVEL VISEUR 1 45 54410683 HEAD CULATA CULASSE 1 46 70243996 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 54406840 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION 1	-						
44 97334270 GLASS_SIGHT VISOR DE NIVEL VISEUR 1 45 54410683 HEAD CULATA CULASSE 1 46 70243936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'EVENT 1 47 54406640 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION 1	-			-/			
45 54410683 HEAD CULATA CULASSE 1 46 70243936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 54406840 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION 1	۳						
46 70243936 ASSEMBLY, VENT CONJUNTO DE PURGA ENSEMBLE D'ÉVENT 1 47 54406840 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION 1	-						
47 54408640 FILTER, INLET FILTRO DE ENTRADA FILTRE D'ASPIRATION I	\vdash						

NSS NOT SOLD SEPARATELY NO SE VENDE POR SEPARADO NON VENDU SÉPARÉMENT

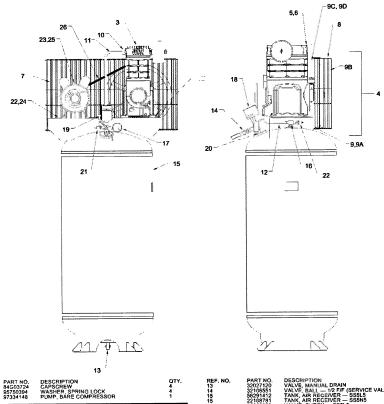
AVAILABLE INDIVIDUALLY OR IN VALVE KIT 20100277
DISPONIBLE INDIVIDUALMENTE O EN CONJUNTO DE VÁLVULA 20100277
VENDU SÉPARÉMENT OU DANS L'ENSEMBLE DE CLAPETS 20100277

[★] AVAILABLE INDIVIDUALLY OR IN PISTON RING KIT 20100285 DISPONBLE INDIVIDUALMENTE O EN CONJUNTO DE ANILLOS DE PISTÓN 20100285 VENOU SÉPAREMENT OU DANS L'ENSEMBLE DE SEGMENTS 20100285



Parts List

for Models SS5L5 & SS5N5



3	95750394 97334148	WASHER, SPRING LOCK PUMP, BARE COMPRESSOR	4
BELT	GUARD GRO	UP	
4	-	ASSEMBLY, COMPLETE BELTGUARD	1
5	32188518	BRACE, BELTGUARD	1
6	56280159	SCREW, HEX — SERRATED FLANGE — M6-1.0 × 12MM	,
7	54416730	BELTGUARD, FRONT	1
8 9 9A	54416748	BELTGUARD, BACK	1
ġ	97173595	CAPSCREW, SELF TAP 1/4-20 X 1/2	4
9A	95916078	WASHER, FLAT 1/4 ZINC	4
9B	32496093	CLIP, PVC COATED	4
9C	32241200	FASTENER, U TYPE	2
9D	32175564	CAPSCREW, SERRATED WASHER HEAD - 1/4X3/4	7
NI	54461108	GUARD, COMPRESSOR END	1
TUB	ING & FITTING	S GROUP	
10	95031795	ELBOW, TUBE 5/8 X 1/2	1
11	97339303	ASSY., DISCHARGE TUBE — SS5L5	1
11	22090112	ASSY DISCHARGE TUBE — SS5N5	1
AIR	RECEIVER TA	NK GROUP	

97339311 ASSY., VENT TUBE - 1/4

REF. NO.	PART NO.	DESCRIPTION	QTY
13	32027120	VALVE, MANUAL DRAIN	1
14	32106551	VALVE RALL — 1/2 F/F (SERVICE VALVE)	1
15	56291412	TANK, AIR RECEIVER — SS5L5	1
15	22108781	TANK, AIR RECEIVER - SS5N5	1
16	85582229	VALVE, CHECK SS5L5	1
16	97333165	VALVE, CHECK — SS5N5	1
17	56269608	GAUGE, PRESSURE SS5L5	1
17	32499816	GAUGE, PRESSURE — \$55N5	1
18	54372834	SWITCH, PRESSURE - SS5L5	1
18	54627104	SWITCH, PRESSURE - SS5N5	1
18 19	97004030	CONNECTOR, CABLE	1
20	56269624	FITTING, MANIFOLD	1
21	97171664	VALVE, SAFETY/RELIEF	1
22	54442041	VALVE, SAFETY/RELIEF - SS5L5	1
22	97010094	VALVE, SAFETY/RELIEF — SS5N5	1
Ñ	95417507	NIPPLE, 1/2 X 1-1/8 — SS5N5	1

22	32175556	CAPSCREW SERRATED WASHER HEAD	4
23	32117996	SET, SHEAVE	1
23 24 25 26	39128566	NUT, WHIZ-LOCK — 5/16-18	4
25	54421193	MOTOR	!
26	95099453	BELT, V — A58	7

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Form SCD-878A March 2002 KITS & ACCESSORIES

START-UP KIT

Each start-up kit contains enough Ingersoll-Rand synthetic compressor lubricent and air filter elements to start-up and maintain your unit for the first year.

PART NO. DESCRIPTION 20100251 KIT, START-UP

INGERSOLL-RAND SYNTHETIC COMPRESSOR LUBRICANT

AIR FILTER ELEMENT

PART NO. DESCRIPTION 32170979 ELEMENT, AIR FILTER

STEP SAVER KITS

Step Saver Kits provide all of the parts required to perform common repair tasks such as piston ring replacement or valve replacement.

CONTENTS

Valve wearing parts and head gaskets that are destroyed in replacing valve parts.

20100285 KIT, RING/GASKET

Complete set of piston rings, a crankshaft seal, and gaskets that are destroyed in breaking the unit down to replace the rings.

CRANKCASE HEATER KIT _

Crankcase heaters are recommended when ambient temperatures are consistently below 32°F (0°C). An easy-to-install external crankcase heater kit is intended for aftermarket use.

MULTI-PURPOSE AIR HOSES

These air hose assemblies are heavy duty, light weight hoses designed for 300 PSIG

Y-STRAINERS_

Y-strainers are designed to prevent foreign particles from moving downstream.

PART NO. DESCRIPTION
32323628 Y-STRAINER, 1/4*
32323636 Y-STRAINER, 1/2*

NOTES