OPERATING, MAINTENANCE, PARTS MANUAL

COMPRESSOR MODELS

P250WCU

Code A

HP300WCU
P375WCU

Code B

This manual contains important safety information.
Do not destroy this manual.
This manual must be available to the personnel who operate and maintain this machine.

Portable Power
P.O. Box 868 – 501 Sanford Ave
Mocksville, N.C. 27028

Book 35392877 (1/01) **Revised (09-12)**

QUALITY POLICY

We will supply products and services that consistently meet the requirements of our customers and each other.

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Foreword

Machine models represented in this manual may be used in various locations worldwide. Machines sold and shipped into European common market countries requires that the machine display the EC Mark and conform to various directives. In such cases, the design specification of this machine has been certified as complying with EC directives. Any modification to any part is absolutely prohibited and would result in the CE certification and marking being rendered invalid. A declaration of that conformity follows:

Declaration of Conformity

WITH EC DIRECTIVE

98/37/EC

Ingersoll-Rand Company
P.O. Box 868
501 Sanford Avenue
Mocksville, North Carolina 27028

We

Represented In EC By:

Ingersoll-Rand Company Limited
Swan Lane, Hindley Green
Wigan WN2 4EZ
United Kingdom

Declare that, under our sole responsibility for manufacture and supply, the product(s)

HP1300WCU	VHP825WCU	XHP900WCAT	VHP750WCAT	XHP1070CAT
XP1400WCU	HP935WCU	XHP650WCAT	VHP850WCAT	NXP1300WCU
P1600WCU	XP1050WCU	XHP750WCAT	HP900WCAT	
XP900WCU	HP825WCU	XHP825WCAT	XP1000WCAT	

To which this declaration relates, is (are) in conformity with the provisions of the above directives using the following principal standards

EN1012-1, EN29001, EN202, EN60204-1
PN8NTC2, EN 50081, EN50082

Issued at Mocksville on 1-1-95

Ric Lunsford
Manager of Quality Control

Issued at Hindley Green on 1-1-95

H. Seddon, Q.A. Manager

Nothing contained in this document is intended to extend any promise, warranty or representation, expressed or implied, regarding the Ingersoll-Rand products described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with the standard terms and conditions of sale for such products, which are available upon request.

This manual contains instructions and technical data to cover all routine operation and scheduled maintenance tasks by operation and maintenance staff. Major overhauls are outside the scope of this manual and should be referred to an authorized Ingersoll-Rand service department.

All components, accessories, pipes and connectors added to the compressed air system should be:

- of good quality, procured from a reputable manufacturer and, wherever possible, be of a type approved by Ingersoll-Rand.
- clearly rated for a pressure at least equal to the machine maximum allowable working pressure.
- compatible with the compressor lubricant/coolant.
- accompanied with instructions for safe installation, operation and maintenance.

Details of approved equipment are available from Ingersoll-Rand Service departments.
The use of repair parts other than those included within the Ingersoll-Rand approved parts list may create hazardous conditions over which Ingersoll-Rand has no control. Therefore, Ingersoll-Rand cannot be held responsible for equipment in which non-approved repair parts are installed.

Ingersoll-Rand reserves the right to make changes and improvements to products without notice and without incurring any obligation to make such changes or add such improvements to products sold previously.

The intended uses of this machine are outlined below and examples of unapproved usage are also given. However, Ingersoll-Rand cannot anticipate every application or work situation that may arise. **If in doubt, consult supervision.**

This machine has been designed and supplied for above ground operation to be used for compression of normal ambient air containing no additional gases, vapors or particles within the ambient temperature range specified in the general data section of this manual.

This machine should not be used:

A. For direct or indirect human consumption of the compressed air.

B. Outside the ambient temperature range specified in the general data section of this manual.

C. When an actual or foreseeable risk of hazardous levels of flammable gases or vapors exists.

D. With other than Ingersoll-Rand approved components.

E. With guards, or controls or switches missing or disabled.

F. For storage or transportation of materials inside or on the enclosure.

This company accepts no responsibility for errors in translation of this manual from the original English version.

TABLE OF CONTENTS

SECTION 1 - SAFETY

SAFETY PRECAUTIONS

General Information

Ensure that the operator reads and understands the decals and consults the manuals before maintenance or operation.

Ensure that the Operation and Maintenance manual, and the manual holder if equipped, are not removed permanently from the machine.

Ensure that maintenance personnel are adequately trained, competent and have read the manuals.

Make sure that all protective covers are in place and that the canopy/doors are closed during operation.

The specification of this machine is such that the machine is not suitable for use in flammable gas risk areas. If such an application is required then all local regulations, codes of practice and site rules must be observed. To ensure that the machine can operate in a safe and reliable manner, additional equipment such as gas detection, exhaust spark arrestors, and intake (shut-off) valves may be required, dependent on local regulations or the degree of risk involved.

Air discharged from this machine may contain carbon monoxide or other contaminants which will cause serious injury or death. Do not breathe this air.

Compressed air can be dangerous if incorrectly handled. Before doing any work on the unit, ensure that all pressure is vented from the system and that the machine cannot be started accidentally.

Ensure that the machine is operating at the rated pressure and that the rated pressure is known to all relevant personnel.

All air pressure equipment installed in or connected to the machine must have safe working pressure ratings of at least the machine safety valve rating.

If more than one compressor is connected to one common downstream plant, effective check valves and isolation valves must be fitted and controlled by work procedures, so that one machine cannot accidentally be pressurized or over pressurized by another.

Compressed air must not be used for a feed to any form of breathing apparatus or mask.

The discharged air contains a very small percentage of compressor lubricating oil and care should be taken to ensure that downstream equipment is compatible.

If the discharged air is to be ultimately released into a confined space, adequate ventilation must be provided.

When using compressed air, always use appropriate personal protective equipment.

All pressure containing parts, especially flexible hoses and their couplings, must be regularly inspected, be free from defects and be replaced according to the Manual instructions.

Avoid bodily contact with compressed air.

The safety valve located in the separator tank must be checked periodically for correct operation.

Never operate unit without first observing all safety warnings and carefully reading the operation and maintenance manual shipped from the factory with this machine.

Never operate the engine of this machine inside a building without adequate ventilation. Avoid breathing exhaust fumes when working on or near the machine. Do not alter or modify this machine.

A battery contains sulfuric acid and can give off gases which are corrosive and potentially explosive. Avoid contact with skin, eyes and clothing. In case of contact, flush area immediately with water.

Exercise extreme caution when using booster battery. To jump battery, connect ends of one booster cable to the positive (+) terminal of each battery. Connect one end of other cable to the negative (-) terminal of the booster battery and other end to a ground connection away from dead battery (to avoid a spark occurring near any explosive gases that may be present). After starting unit, always disconnect cables in reverse order.

Never operate unit without first observing all safety warnings and carefully reading the operation and maintenance manual shipped from the factory with this machine.

This machine may include such materials as oil, diesel fuel, antifreeze, brake fluid, oil/air filters and batteries which may require proper disposal when performing maintenance and service tasks. Contact local authorities for proper disposal of these materials.

A battery contains sulfuric acid and can give off gases which are corrosive and potentially explosive. Avoid contact with skin, eyes and clothing. In case of contact, flush area immediately with water.

High Pressure Air can cause serious injury or death. Relieve pressure before removing filler plugs/caps, fittings or covers.

Air pressure can remain trapped in air supply line which can result in serious injury or death. Always carefully vent air supply line at tool or vent valve before performing any service.

This machine produces loud noise with the doors open or service valve vented. Extended exposure to loud noise can cause hearing loss. Always wear hearing protection when doors are open or service valve is vented.

Never inspect or service unit without first disconnecting battery cable(s) to prevent accidental starting.

Do not remove the pressure cap from a HOT radiator. Allow radiator to cool down before removing pressure cap.

Do not use petroleum products (solvents or fuels) under high pressure as this can penetrate the skin and result in serious illness. wear eye protection while cleaning unit with compressed air to prevent debris from injuring eye(s).

Disconnected air hoses whip and can cause serious injury or death. Always attach a safety flow restrictor to each hose at the source of supply or branch line in accordance with OSHA Regulation 29CFR Section 1926.302(b).

Hot pressurized fluid can cause serious burns. Do not open radiator while hot.

Rotating fan blade can cause serious injury. Do not operate without guard in place.

Use care to avoid contacting hot surfaces (engine exhaust manifold and piping, air receiver and air discharge piping, etc.).

Ether is an extremely volatile, highly flammable gas. USE SPARINGLY! Do NOT use ETHER if unit has GLOW Plug starting aid. Engine damage will result.

Never allow the unit to sit stopped with pressure in the receiver-separator system. As a precaution, open the manual blowdown valve.

Never operate unit with guards, covers or screens removed. Keep hands, hair, clothing, tools, blow gun tips, etc. well away from moving parts.

Make sure wheels, tires and tow bar connectors are in safe operating condition and tow bar is properly connected before towing.

Whenever the machine is stopped, air will flow back into the compressor system from devices or systems downstream of the machine unless the service valve is closed. Install a check valve at the machine service valve to prevent reverse flow in the event of an unexpected shutdown when the service valve is open.

Hazardous Substance Precaution

The following substances are used in the manufacture of this machine and may be hazardous to health if used incorrectly.

Precaution: Avoid ingestion, skin contact and breathing fumes for the following substances: Antifreeze, Compressor Oil, Engine Lubricating Oil, Preservative Grease, Rust Preventative, Diesel Fuel and Battery Electrolyte.

The following substances may be produced during the operation of this machine and may be hazardous to health:

Avoid build-up of Engine Exhaust Fumes in confined spaces.

Avoid breathing Exhaust Fumes.

Avoid breathing Brake Lining Dust during maintenance.

SAFETY LABELS

Look for these signs on machines shipped to international markets outside North America, which point out potential hazards to the safety of you and others. Read and understand thoroughly. Heed warnings and follow instructions. If you do not understand, inform you supervisor.

Corrosion risk

Hot Surface

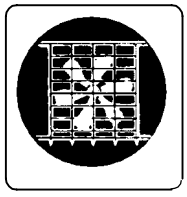
Lifting point

WARNING: Electrical shock risk.

Parking Brake

No open flame

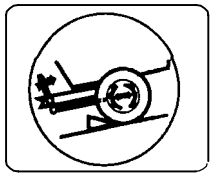
Diesel Fuel.
No open flame.



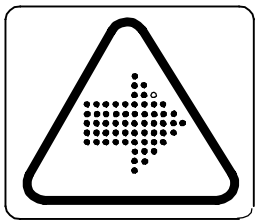
Do not operate the machine without guard being fitted.

Lifting point

WARNING – Flammable liquid.



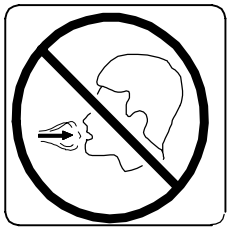
When parking use prop stand, handbrake and wheel chocks.



Air/gas flow or Air discharge.

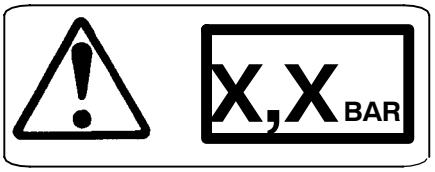
WARNING – Hot and harmful exhaust gas.

Tie down point

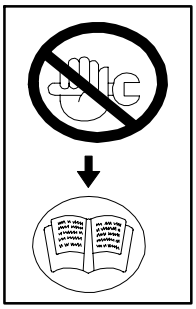


Do not breathe the compressed air from this machine.

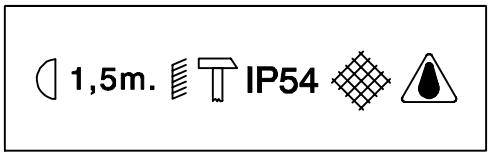
Read the Operation and Maintenance manual before operation or maintenance of this machine is undertaken.



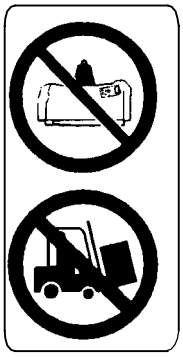
WARNING - Maintain correct tire pressure. (Refer to the *GENERAL INFORMATION* section of this manual).



WARNING: Consult the operation and maintenance manual before performing any maintenance.

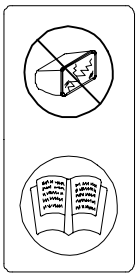


Rough Service Designation
Wet Location Operation

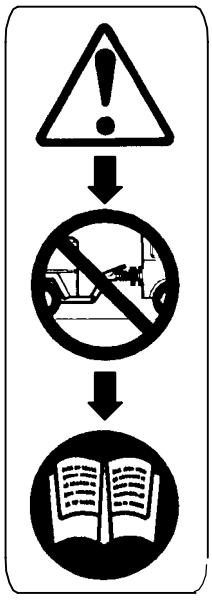


Do not stack

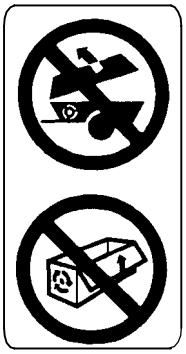
Do not use fork lift truck from this side



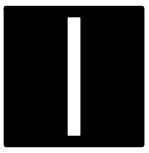
Replace any cracked protective shield.



WARNING - Before connecting the tow bar or when preparing to tow, consult the operation and maintenance manual.

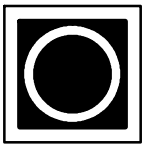


Do not operate with the doors or enclosure open.

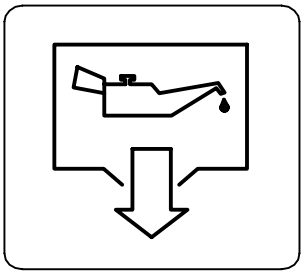


On (power).

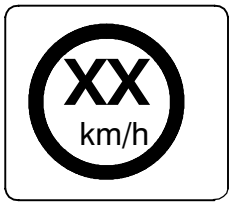
Off (power).



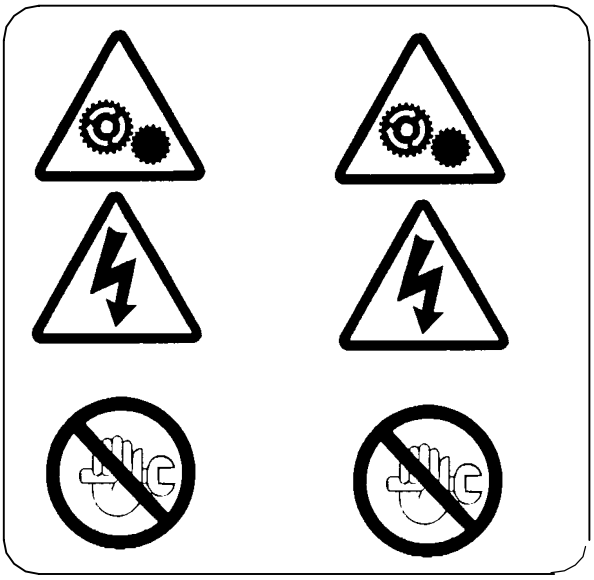
Emergency stop.



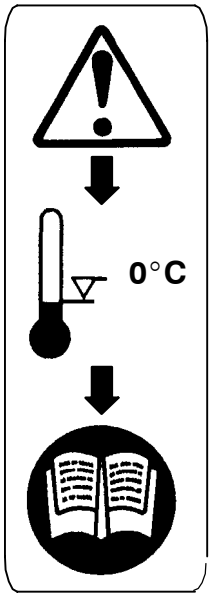
Oil Drain



Do not exceed the speed limit.



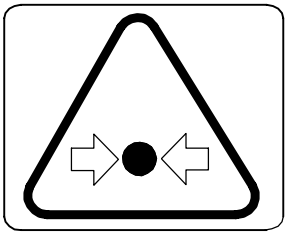
WARNING - Do not undertake any maintenance on this machine until the electrical supply is disconnected and the air pressure is totally relieved.



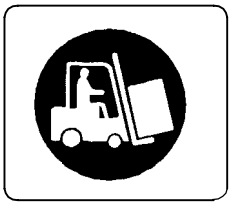
WARNING – For operating temperature below 0°C, consult the operation and maintenance manual.

Read the Operation and Maintenance manual before operation or maintenance of this machine is undertaken

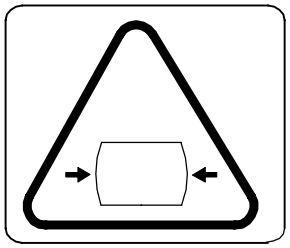
Do not remove the Operating and Maintenance manual and manual holder from this machine.



Pressurized vessel.



Use fork lift truck from this side only.



Pressurized component or system.

Look for these signs on machines shipped to markets in North America, which point out potential hazards to the safety of you and others. Read and understand thoroughly. Heed warnings and follow instructions. If you do not understand, inform you supervisor.

DANGER

(Red Background)

Indicates the presence of a hazard which WILL cause serious injury, death or property damage, if ignored.

WARNING

(Orange Background)

Indicates the presence of a hazard which CAN cause serious injury, death or property damage, if ignored.

CAUTION

(Yellow Background)

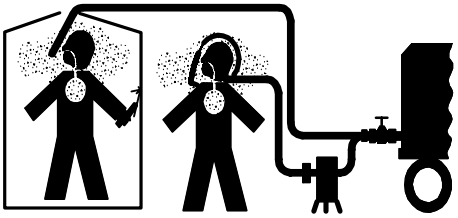
Indicates the presence of a hazard which WILL or can cause injury or property damage, if ignored.

NOTICE

(Blue Background)

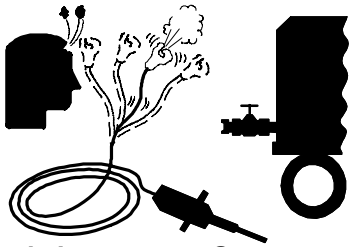
Indicates important set-up, operating or maintenance information.

DANGER



Air discharged from this machine can contain carbon monoxide or other contaminants which will cause serious injury or death. Do not breathe this air.

WARNING



Trapped air pressure. Can cause serious injury or death.

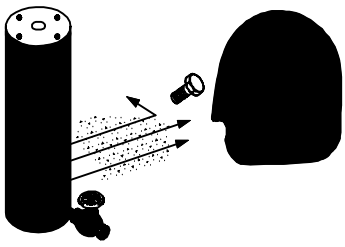
Close service valve and operate tool to vent trapped air before performing any service.

WARNING

Hot pressurized fluid.
Can cause serious burns.

Do not open radiator while hot.

WARNING



High pressure air. Can cause serious injury or death.

Relieve pressure before removing filler plugs/ caps, fittings or covers.

WARNING

Improper operation of this equipment. CAN cause serious injury or death.

Read Operator's Manual supplied with this machine before operation or servicing.

WARNING

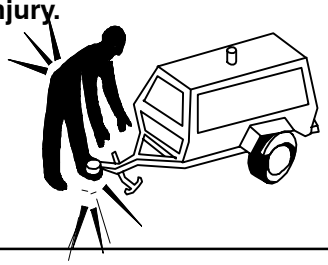
Modification or alteration of this machine. CAN cause serious injury or death.

Do NOT alter or modify this machine without the express written consent of the manufacturer.

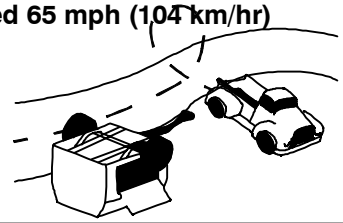
WARNING

Collapsing jack stand. Will cause serious injury.

Insert locking pin completely.

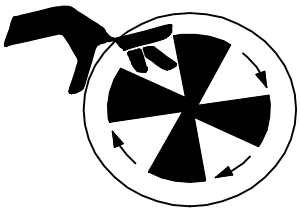


Excessive towing speed. Can cause serious injury or death. Do NOT exceed 65 mph (104 km/hr)



For Highway Towable Units

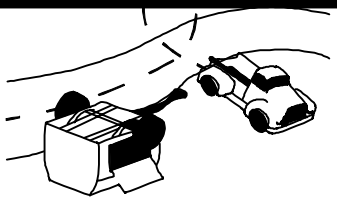
WARNING



Rotating Fan Blade. CAN cause serious injury.

Do NOT operate with guard removed.

WARNING

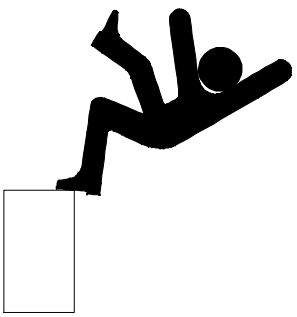


Excessive Towing Speed. CAN cause serious injury or death.

Do NOT Tow on Highway.
Do NOT exceed 20 mph (32 km/h)

For Non-Highway Towable Machines

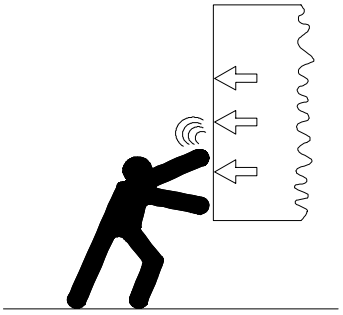
WARNING



Falling off machine. CAN cause serious injury or death.

Access Lifting Bail from inside machine.

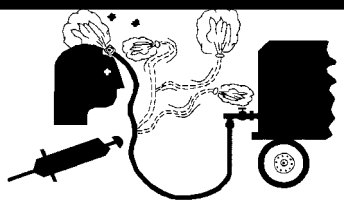
WARNING



Door under pressure CAN cause serious injury.

Use both hands to open door when machine is running.

WARNING



Disconnected Air Hoses Whip. CAN cause serious injury or death.

When using air tools attach safety device (OSHA Valve) at source of air supply for each tool.

WARNING

Combustible Gas. CAN cause serious burns, blindness or death.

Keep sparks and open flames away from batteries.

FREE SAFETY DECALS!

To promote communication of Safety Warnings on products manufactured by the Portable Compressor Division in Mocksville, N.C., Safety Decals are available **free** of charge. Safety decals are identified by the decal heading: **DANGER, WARNING or CAUTION.**

Decal part numbers are on the bottom of each decal and are also listed in the compressor's parts manual. Submit orders for Safety Decals to the Mocksville Parts Service Department. The no charge order should contain only Safety Decals. Help promote product safety! Assure that decals are present on the machines. Replace decals that are not readable.

SECTION 2 – Warranty

Ingersoll–Rand, through its distributor, warrants that each item of equipment manufactured by it and delivered hereunder to the initial user will be free of defects in material and workmanship for a period of three (3) months from initial operation or six (6) months from the date of shipment to the initial user, whichever occurs first.

With respect to the following types of equipment, the warranty period enumerated below will apply in lieu of the foregoing warranty period.

A. **Aftercoolers** – The earlier of nine (9) months from date of shipment to or six (6) months from start up by initial user.

B. **Portable Compressors, Portable Generator Sets (GENSET), Portable Light Towers and Air Dyers** – The earlier of twelve (12) months from shipment to or the accumulation of 2,000 hours of service by the initial user.

C. **Portable Compressor Air Ends –** The earlier of twenty–four (24) months from shipment to or the accumulation of 4,000 hours of service by the initial user. For Air Ends, the warranty against defects will include replacement of the complete Air End, provided the original Air End is returned assembled and unopened.

C.1 **Portable Compressor Airend Limited Optional Warranty** – The earlier of sixty (60) months from shipment to or the accumulation of 10,000 hours of service. The optional warranty is limited to defects in rotors, housings, bearings and gears and provided all the following conditions are met:

The original airend is returned assembled and unopened.

Continued use of genuine Ingersoll–Rand parts, fluids, oils and filters.

Maintenance is performed at prescribed intervals.

D. **Genset Generators –** The earlier of twenty–four (24) months from shipment to or the accumulation of 4,000 hours of service by the initial user.

E. **Portable Light Tower Generators –** The earlier of twelve (12) months from shipment to or the accumulation of 2,000 hours of service by the initial user. Light Source model only, the earlier of twenty–four (24) months from shipment to or the accumulation of 4,000 hours of service.

F. **Ingersoll–Rand Engines –** The earlier of twenty–four (24) months from shipment to or the accumulation of 4,000 hours of service.

G. **Ingersoll–Rand Platinum Drive Train Warranty (Optional)** – Platinum drive train pertains to the Ingersoll–Rand Engine and Airend combination. The earlier of sixty (60) months from shipment to, or the accumulation of 10,000 hours of service. The starter, alternator, fuel injection system and all electrical components are excluded from the extended warranty. The airend seal and drive coupling are included in the warranty (airend drive belts are not included). The optional warranty is automatically available when meeting the following conditions:

The original airend is returned assembled and unopened.

Continued use of genuine Ingersoll–Rand parts, fluids, oil and filters.

Maintenance is performed at prescribed intervals.

It is the obligation of the user to provide verification that these conditions have been satisfied when submitting warranty claims.

H. **Spare Parts** – Six (6) months from date of shipment.

Ingersoll–Rand will provide a new part or repaired part, at its election, in place of any part which is found upon its inspection to be defective in material and workmanship during the period prescribed above. Such part will be repaired or replaced without charge to the initial user during normal working hours at the place of business of an Ingersoll–Rand distributor authorized to sell the type of equipment involved or other establishment authorized by Ingersoll–Rand. User must present proof of purchase at the time of exercising warranty.

The above warrantees do not apply to failures occurring as a result of abuse; misuse, negligent repairs, corrosion, erosion and normal wear and tear, alterations or modifications made to the product without express written consent of Ingersoll–Rand; or failure to follow the recommended operating practices and maintenance procedures as provided in the product's operating and maintenance publications.

Accessories or equipment furnished by Ingersoll–Rand, but manufactured by others, including, but not limited to, engines, tires, batteries, engine electrical equipment, hydraulic transmissions, carriers, shall carry whatever warranty the manufacturers have conveyed to Ingersoll–Rand and which can be passed on to the initial user.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, (EXCEPT THAT OF TITLE),AND THERE ARE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

GENERAL WARRANTY INFORMATION

GENERAL WARRANTY			Extended Coverage
Portable Compressor	Package	1 year/2000 hours	
	Airend	2 years/4000 hours	5 years/10,000 hours Limited warranty, major components (refer to operator's manual).

Portable Genset	Package	1 year/2000 hours	
	Generator	2 years/4000 hours	

Light Tower	Package	1 year/2000 hours	
	Generator	1 year/2000 hours	2 years/4000 hours, for Lightsource introduced 8/16/99.

ENGINES			
Caterpillar	**Months**	**Hours**	**Extended Coverage**
	12	No Limit	Available at dealer
Cummins	24	2000	Major components 3 yrs/10,000 hours – available at dealer
John Deere	24	2000	Available at dealer
Deutz	24	2000	Available at dealer
Kubota	24	2000	Major components 36 months/3000 hours – parts only
Ingersoll–Rand	24	4000	5 years/10,000 hours when using genuine Ingersoll–Rand fluids and parts. Refer to operator's manual.

PARTS			
	Months	**Hours**	**Coverage**
Ingersoll–Rand	6	No Limit	Parts Only

AIREND EXCHANGE			
	Months	**Hours**	**Extended Coverage**
Airend	12	2000 hours	2 years/4000 hours – available from IR.

Note: Actual warranty times may change. Consult the manufacturer's warranty policy as shipped with each new product.

Extended Limited Airend Warranty

Ingersoll–Rand Portable Compressor Division is pleased to announce the availability of extended limited airend warranty. Announcement of the extended warranty coincides with the introduction of PRO•TEC™ Compressor Fluid. PRO•TEC™ Compressor Fluid is an amber colored fluid specially formulated for Portable Compressors and is being provided as the factory filled fluid for all machines except [1] XHP650/900/1070 models.

All machines have the standard airend warranty – *The earlier of 24 months from shipment to, or the accumulation of 4000 hours of service.*

The warranty against defects will include replacement of the complete airend, provided the original airend is returned assembled and unopened.

The optional limited warranty is the earlier of 60 months from shipment to, or the accumulation of 10,000 hours of service. The optional warranty is limited to defects in major components (rotors, housings, gears, bearings), and is automatically available when the following three conditions are met:

1. The original airend is returned assembled and unopened.
2. Submissions of proof that Ingersoll–Rand fluid, filters and separators have been used. Refer to the Operation and Parts manual for the correct fluids, filters and separator elements required.
3. Submission of proof that maintenance intervals have been followed.

WARRANTY	TIME	*BARE AIREND	** AIREND COMPONENTS
STANDARD	**2 yrs/4000 hrs**	**100% parts and labor**	**100% parts and labor**
OPTIONAL	**5 yrs/10,000 hrs**	**100% parts and labor**	**0%**

***** Bare Airend – pertains to major airend parts (rotors, housings, gears and bearings).

****** Airend Components – pertains to auxiliary attachments to the bare airend (drive coupling, seals, pumps, valves, tubes, hoses, fittings and filter housing).

PRO•TEC™ and XHP505 Compressor Fluids are available from the Mocksville Product Support department by calling 1-800-633-5206.

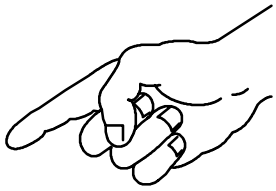
[1] XHP650/900/1070 will continue to use XHP505 and will have the extended warranty when above conditions are met.

WARRANTY REGISTRATION

Complete Machine Registration

Machines shipped to locations within the United States do not require a warranty registration unless the machine status changes (i.e. change of ownership).

Machines shipped outside the United States require notification be made to initiate the machine warranty.



Fill out the Warranty Registration Form in this section, keep a copy for your records and mail form to:

Ingersoll-Rand Company
Portable Compressor Division
P.O. Box 868
Mocksville, North Carolina 27028

Attn: Warranty Department

Note: Completion of this form validates the warranty.

Engine Registration:

John Deere requires a separate engine registration be completed and mailed direct to John Deere.
Separate engine registration material is included with this literature package for John Deere powered machines.
All other engine manufacturers do not require a separate engine registration.
You MUST present proof of in-service date at time of requesting engine warranty service.

WARRANTY REGISTRATION

Selling Distributor	**Servicing Distributor**	
Name _____	Name _____	Owner/User Name _____
Address _____	Address _____	Address _____
City _____	City _____	City _____
County _____	County _____	County _____
State _____	State _____	State _____
Zip Code _____	Zip Code _____	Zip Code _____
Telephone _____	Telephone _____	Telephone _____

Complete the Applicable Blocks

Owner/User Type of Business (check one only)

☐ Construction–Heavy (highway, excavation, etc.)	☐ Asphalt Contractor	☐ Coal Mining	☐ Other Mining
☐ Construction–Light (carpentry, plumbing, pools, mason, etc.)	☐ Government (municipal, state, county, etc.)	☐ Quarry	☐ Shallow Oil & Gas
☐ Rental (rental center, rental fleet, etc.)	☐ Building Contractor	☐ Waterwell	☐ Utility Company (gas, electric, water, etc.)
☐ Industrial (plant use)	☐ Other specify _____	☐ Exploration	☐ Utility Contractor

Model	**Unit S/N**	**Engine S/N**	**Date Delivered**
Unit–Hours	**Airend S/N**	**Truck S/N**	**Truck Engine S/N**

SERVICING DISTRIBUTOR/USER ACKNOWLEDGEMENT

1. The Purchaser has been instructed and/or has read the manual and understands proper preventative maintenance, general operation and safety precautions.
2. The warranty and limitation of liability has been reviewed and understood by the owner/user.
3. In the event that this unit is to be used within a nuclear facility, the owner/user shall notify Ingersoll–Rand of such use so that Ingersoll–Rand may arrange for appropriate nuclear liability protection from the owner–licensee of the facility.
4. Ingersoll–Rand reserves the right to make design changes or modifications of Ingersoll–Rand products at anytime without incurring any obligation to make similar changes or modifications on previously sold units.

- fold -

Ingersoll-Rand Company
Portable Compressor Division
P.O. Box 868
Mocksville, North Carolina 27028

Attention: Warranty Department

SECTION 3 – NOISE EMISSION

This section pertains only to machines distributed within the United States.

WARNING

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED

Federal law prohibits the following acts or the causing thereof:

(1) The removal or rendering inoperative by any persons, other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new compressor for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or (2) the use of the compressor after such device or element of design has been removed or rendered inoperative by any person.

Among those acts included in the prohibition against tampering are these:

4. Removal or rendering inoperative any of the following:
   a. the engine exhaust system or parts thereof
   b. the air intake system or parts thereof
   c. enclosure or parts thereof

5. Removal of any of the following:
   a. fan shroud
   b. vibration mounts
   c. sound absorption material

6. Operation of the compressor with any of the enclosure doors open.

Compressor Noise Emission Control Information

A. The removal or rendering inoperative, other than for the purpose of maintenance, repair, or replacement of any noise control device or element of design incorporated into this compressor in compliance with the noise control act;

B. The use of this compressor after such device or element of design has been removed or rendered inoperative.

Note: the above information applies only to units that are built in compliance with the U.S. Environmental Protection Agency.

Ingersoll–Rand Company reserves the right to make changes or add improvements without notice and without incurring any obligation to make such changes or add such improvements to products sold previously.

The Purchaser is urged to include the above provisions in any agreement for any resale of this compressor.

NOISE EMISSION CONTROL MAINTENANCE LOG

COMPRESSOR MODEL _____
SERIAL NO. _____
USER UNIT NO. _____

UNIT IDENTIFICATION	**DEALER OR DISTRIBUTOR FROM WHOM PURCHASED:**
Engine Make & Model: _____	
Serial No.: _____	_____
Purchaser or Owner: _____	_____
Address: _____	Date Purchased: _____

The Noise Control Act of 1972 (86 Stat. 1234) prohibits tampering with the noise control system of any compressor manufactured and sold under the above regulations, specifically the following acts or the causing thereof:

(1) the removal or rendering inoperative by any persons, other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into new compressor for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or (2) the use of the compressor after such device or element of design has been removed or rendered inoperative by any person.

NOISE EMISSION WARRANTY

The manufacturer warrants to the ultimate purchaser and each subsequent purchaser that this air compressor was designed, built and equipped to conform at the time of sale to the first retail purchaser, with all applicable U.S. EPA Noise Control Regulations.

This warranty is not limited to any particular part, component, or system of the air compressor. Defects in the design, assembly or in any part, component, or system of the compressor which, at the time of sale to the first retail purchaser, caused noise emissions to exceed Federal Standards are covered by this warranty for the life of the air compressor.

INTRODUCTION

The unit for which this Maintenance Log is provided conforms to U.S. E.P.A. Regulations for Noise Emissions, applicable to Portable Air Compressors.

The purpose of this book is to provide (1) the Maintenance Performance Schedule for all required noise emission controls and (2) space so that the purchaser or owner can record what maintenance was done, by whom, where and when. The Maintenance Schedule and detailed instructions on the maintenance items are given on following page.

MAINTENANCE SCHEDULE

ITEM	AREA	PERIOD
A.	Compressed Air Leaks	As Detected
B.	Safety and Control Systems	As Detected
C.	Acoustic Materials	Daily
D.	Fasteners	100 hours
E.	Enclosure Panels	100 hours
F.	Air Intake & Engine Exhaust	100 hours
G.	Cooling Systems	250 hours
H.	Isolation Mounts	250 hours
I.	Engine Operation	See Operator's Manual
J.	Fuels & Lubricants	See Operator's Manual

A. Compressed Air Leaks

Correct all compressed air leaks during the first shutdown period after discovery. If severe enough to cause serious noise problems and efficiency loss, shut down immediately and correct the leak(s).

B. Safety and Control Systems

Repair or replace all safety and control systems or circuits as malfunction occurs. No compressor should be operated with either system bypassed, disabled, or nonfunctional.

C. Acoustic Materials

In daily inspections, observe these materials. Maintain all acoustic material as nearly as possible in its original condition. Repair or replace all sections that have: 1) sustained damage, 2) have partially separated from panels to which they were attached, 3) are missing, or have otherwise deteriorated due to severe operating or storage conditions.

D. Fasteners

All fasteners such as hinges, nuts, bolts, clamps, screws, rivets, and latches should be inspected for looseness after each 100 hours of operation. They should be retightened, repaired, or if missing, replaced immediately to prevent subsequent damage and noise emission increase.

E. Enclosure Panels

Enclosure panels should also be inspected at 100 hour operational intervals. All panels that are warped, punctured, torn, or otherwise deformed, such that their noise containment function is reduced, should be repaired or replaced before the next operation interval. Doors, access panels, and hatch closures especially, should be checked and adjusted at this time to insure continuous seating between gasket or acoustic material and the mating frame.

F. Air Intake and Engine Exhaust

Engine and compressor air intake and engine exhaust systems should be inspected after each 100 hours of operation for loose, damaged, or deteriorated components. Repairs or replacements should be made before the next period of use.

G. Cooling Systems

All components of the cooling system for engine water and compressor oil should be inspected every 250 hours of use. Any discrepancies found should be corrected before placing the unit back in operation. Unrestricted airflow over the radiator and oil cooler must be maintained at all times during operation.

H. Isolation Mounts

Engine/airend isolation mounts should be inspected after each 250 hours of operation. Those mounts with cracks or splits in the molded rubber, or with bent or broken bolts due to operation or storage in severe environments, all should be replaced with equivalent parts.

I. Engine Operation

Inspect and maintain engine condition and operation as recommended in the manuals supplied by the engine manufacturer.

J. Fuels and Lubricants

Use only the types and grades of fuels and lubricants recommended in the Ingersoll-Rand Company and Engine Manufacturer's Operator and Maintenance Manuals.

MAINTENANCE RECORD FOR NOISE EMISSION CONTROL AND EXTENDED WARRANTY					
ITEM NO.	DESCRIPTION OF WORK	HOURMETER READING	MAINT/ INSPECT DATE	LOCATION CITY/ STATE	WORK DONE BY (NAME)

SECTION 4 – GENERAL DATA

Compressor Models	P 250WCU	HP 300WCU	P 375WCU
Rated Delivery – cfm (litres/sec)	250 (118)	300 (141)	375 (177)
Rated Pressure – psi (kPa)	100 (689)	150 (1034)	100 (689)
Engine – (Diesel)	Cummins	Cummins	Cummins
Engine – (Model)	4B–3.9–76	4BTA3.9–116	4BTA3.9–116
Speed – No Load (Full Load) – rpm	1400 (2500)	1400 (2500)	1400 (2500)
Electrical / Starting System – Volts	12	12	12
Unit Weight (all fluids) – pounds (kilograms)	3295 (1494)	3850 (1746)	3850 (1746)
Eng. Lube, incl. filter, Capacity – U.S. gal. (litres)	2.9 (11.0)	2.9 (11.0)	2.9 (11.0)
Eng. Coolant Capacity – U.S. gal. (litres) nominal	5.4 (20.4)	5.7 (21.6)	5.7 (21.6)
Compressor Lube Capacity (Refill) – U.S. gal. (litres)	5.0 (18.9)	9.5(36.0)	9.5 (36.0)

FLUID CAPACITIES – U.S. gallons (litres)

Fuel Tank (Use clean DIESEL fuel) 42 (159)

UNITS MEASUREMENTS/WEIGHTS

Overall Length – inches (mm) 149 (3785)
Overall Height – inches (mm) 68.5 (1740)
Overall Width – inches (mm) 77 (1955)
Track Width – inches(mm) 65 (1651)

RUNNING GEAR

Tire Size (Load Range) . . . . . ST225/75 R15 (D)
Inflation Pressure (Cold) . . . . . 65 psi (448 kPa)
Towing Speed (Maximum) . . . . . 65 mph (105 km/hr)

SECTION 5 – OPERATION

BEFORE TOWING

WARNING

Failure to follow these instructions can cause severe injury or death.

CAUTION

– Position the tow vehicle to align its hitch with the pintle eye or coupler of the compressor.

– Engage the parking brake and chock the wheels of the tow vehicle.

– Stand to the side and ensure pin is FULLY inserted (secure) in tube of jack. Crank jack to seat pintle eye or coupler onto hitch. Latch and lock hitch. Cross safety chain(s) under drawbar. Attach to vehicle.

– Crank jack to raise pad off the ground. Pull pin from tube of jack. Fold jack handle down and forward. Swing up jack tube and FULLY insert pin in tube.

Units equipped with hydraulic brakes:

– Check brake fluid level. Top off as required with DOT 3 brake fluid.

– Check condition of brake lines, hoses and cables. Repair or replace damaged parts.

– Attach brake actuator break–a–way chain above hitch or towing vehicle.

SETTING – UP

• Place the unit in an open, well–ventilated area. Position as level as possible. The design of these units permits a 15 degree limit on out–of–level operation.

•When the unit is to be operated out–of–level , it is important: (1) to keep the engine crankcase oil level near the high level mark (with the unit level), and (2) to have the compressor oil level gauge show no more than mid–scale (with the unit running at full load). Do not overfill either the engine crankcase or the compressor lubricating oil system.

TOWING

WARNING

Failure to follow these instructions can cause severe injury or death.

– Ensure that tires, wheels and running gear are in good condition and secure.

– Ensure that tires are inflated to 75 psi (520kPa).

– Do not tow this unit in excess of 50 mph (80 km/hr).

– Use a tow vehicle whose towing capacity is greater than the gross weight of this unit.

DISCONNECT

– Set the vehicle parking brake. Chock wheels of unit.

– Standing to the side, remove pin from tube of jack. As jack tube swings down, FULLY insert pin in the tube.

– Disconnect safety chains. Crank jack to raise eye or coupler from hitch. Tow vehicle can be moved.

BEFORE STARTING

CAUTION

Do not connect the air discharge on this unit into a common header with any other unit of any description, or any other source of compressed air, without first making sure a check valve is used between the header and the unit. If this unit is connected in parallel with another unit of higher discharge pressure and capacity, a safety hazard could occur in a back–flow condition.

WARNING

Unrestricted air flow from a hose will result in a whipping motion of the hose which can cause severe injury or death. A safety device must be attached to the hose at the source of supply to reduce pressure in case of hose failure or other sudden pressure release. Reference: OSHA regulation 29 CFR Section 1926.302 (b).

• Open manual blowdown valve to ensure pressure is relieved in receiver–separator system. Close valve in order to build up full air pressure and ensure proper oil circulation.

.• Check battery for proper connections and condition.

• Check the compressor lubricating oil level. The proper oil level is mid–way on the sight gauge. Add oil if the level falls to the bottom of the sight gauge. Do not overfill.

• Check the engine lubricating oil level. Add oil if low on dipstick.

WARNING

Do not remove the cap from a HOT engine radiator. The sudden release of pressure from a heated cooling system can cause severe injury or death.

CAUTION

The use of water alone in this engine can result in major engine failure.

• At overflow reservoir (plastic bottle) check coolant level and, if necessary, top off to "cold" mark.

• Roof access door has retaining pins on each side. After servicing cooling system, pins must be replaced for proper operation.

• Check the fuel level. Add only CLEAN DIESEL fuel for maximum service from the engine.

Note: To minimize condensation (water) in the fuel tank, fill the tank at the end of each day.

WARNING

This machine produces loud noise with doors open. Extended exposure to loud noise can cause hearing loss. Wear hearing protection when doors or valve (s) are open.

Close the side doors to maintain a cooling air path and to avoid recirculation of hot air. This will maximize the life of the engine and compressor and protect the hearing of surrounding personnel. Be sure no one is IN or ON the compressor unit.

STARTING

WARNING

Do NOT operate machine with guards removed.

CAUTION

Do NOT operate machine with safety shutdown switches by–passed.

In freezing weather and if so equipped, flip HEATERS switch "On" and wait sixty (60) seconds. This applies heat to the control system components for easier starting. Leave this switch "On" while operating at these temperatures.

Flip the POWER switch to "On". If so equipped, all DIAGNOSTICS lamps will light (glow) for two (2) seconds. Then all lamps should go off except for ALTERNATOR NOT CHARGING and LOW ENGINE OIL PRESSURE.

CAUTION

Ether is an extremely volatile, highly flammable gas. Use sparingly! If too much is injected, the uncontrolled explosion may result in costly damage to the engine.

In cold weather, open manual blow down valve and, if so equipped, press the ETHER INJECT button once and release. Then, while cranking, press release button once every five (5) seconds. This injects a measured amount of ether to the engine.

Press both the START and the BY PASS buttons to crank the engine. DO NOT OPERATE THE STARTER MOTOR FOR MORE THAN TEN (10) SECONDS WITHOUT ALLOWING AT LEAST ONE MINUTE COOLING TIME BETWEEN START ATTEMPTS.

Release the START button when the engine starts and sustains running. If the engine does not start after a couple of attempts, refer to Trouble Shooting Section.

Release the BYPASS button after two (2) to three (3) seconds.

All Diagnostic lamps should be off. If not, stop the machine and investigate. If opened above, close manual blowdown valve.

Observe the gauges while the unit warms up for five (5) to ten (10) minutes or until the coolant temperature reaches 140 degrees F (60°C).

If so equipped, Push the SERVICE AIR button. The engine should go to full speed and the discharge pressure rise to slightly over rated pressure. The compressor will unload (intake be throttled or closed) and the engine speed will drop to the idle speed.

Compressor is now ready to furnish air when the service valve is opened.

STOPPING

• Close air service valve (s).

• Allow the unit to run at "no load" for 3 to 5 minutes to reduce the engine temperatures.

• Flip all toggle switches to "Off".

Note: Once the engine stops, the automatic blowdown valve will begin to relieve all pressure from the receiver-separator system.

CAUTION

Never allow the unit to sit stopped with pressure in the receiver-separator system. As a precaution, after the automatic blowdown period (2 minutes), open the manual blowdown valve.

EQUIPMENT PROTECTION

Note: Do NOT wire around or bypass a shutdown sensor or switch.

This unit is protected by sensors or switches at the following locations:

(1) High engine COOLANT temperature in the engine.

(2) Low engine oil pressure, in the engine.

(3) Low Fuel Level.

High Discharge AIR Temperature -

(4) At the airend outlet.

(5) In the safety valve connection on the separator tank.

AUTOMATIC SHUTDOWN / DIAGNOSTICS

Should any of these problem situations occur, the unit will automatically shutdown and stop. BEFORE restarting the unit or flipping the POWER switch to "Off", check the DIAGNOSTICS area on the instrument panel.

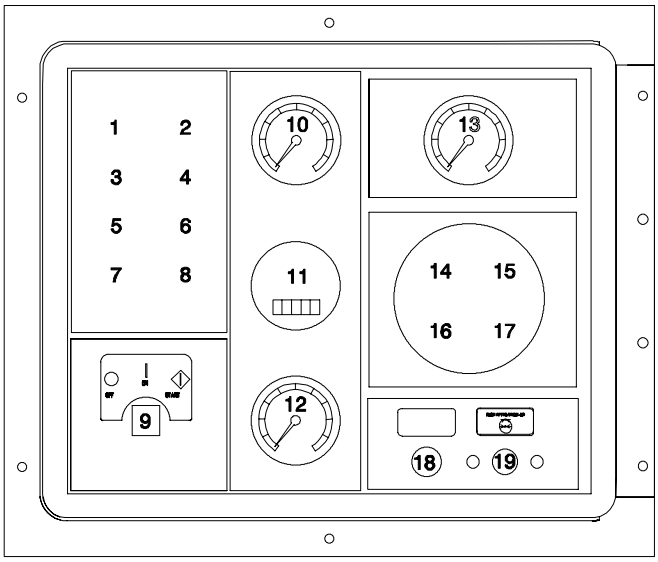
The upper four (4) lamps are electronically "latched" to only respond to the first or primary signal for a shutdown. In other words, if the automatic shutdown is the result of one of these four problems, only that particular problem lamp will be lit. And the lamp will remain lit as long as the batteries provide power.

Refer to OPERATING CONTROLS AND INSTRUMENTS, for the various problem signal criteria (°F, psi, etc.). The indicated problem area should be inspected for a physical cause (low fluid, broken fan belt, evidence of excessive heat, etc.) and corrections made.

The shutdown will automatically reset when the problem condition is corrected.

Other possible causes for an unexpected shutdown are listed on the Trouble Shooting Chart.

CONTROL PANEL



DIAGNOSTICS/AUTO SHUTDOWN

1. **High Compressor Temperature –**
   248°F (120°C) or more.
2. **Low Engine Oil Pressure –** 12 psi or less
3. **High Engine Temperature –**
   Coolant above 220°F (104°C).
4. **Alternator Not Charging –** needs attention.
5. **Low Fuel Level –**
   Must add fuel to operate.
6. **Air Filters Restricted –**
   Needs Servicing.
7. **Low Coolant Level –**
   Must add coolant.
8. **Needs Servicing –**

Operating Controls/Instruments (Standard)

10. Compressor Discharge Pressure Gauge –

Indicates pressure in receiver tank, psi (kPa).

14. Discharge Air Temp. Gauge – (Optional)

Indicates in °F and °C. Normal operating range: 185°F/85° to 248°F/120°C.

15. Engine Oil Pressure Gauge (Optional) –

Indicates engine oil pressure (psi (kPa).

13. Engine Speed Gauge (Optional) –

Indicates engine speed.

11. Hourmeter –

Records running time for maintenance.

16. Engine Water Temp. Gauge (Optional) –

Indicates coolant temperature, with normal operating range from 180°F (82°C) to 210°F (99°C).

17. Voltmeter (Optional) –

Indicates battery condition.

CONTROLS

9. Power Switch –

Flip “ON” to activate systems prior to Starting.
Flip “Off” to stop engine.

OPTIONAL CONTROLS

12. Fuel Level Gauge –

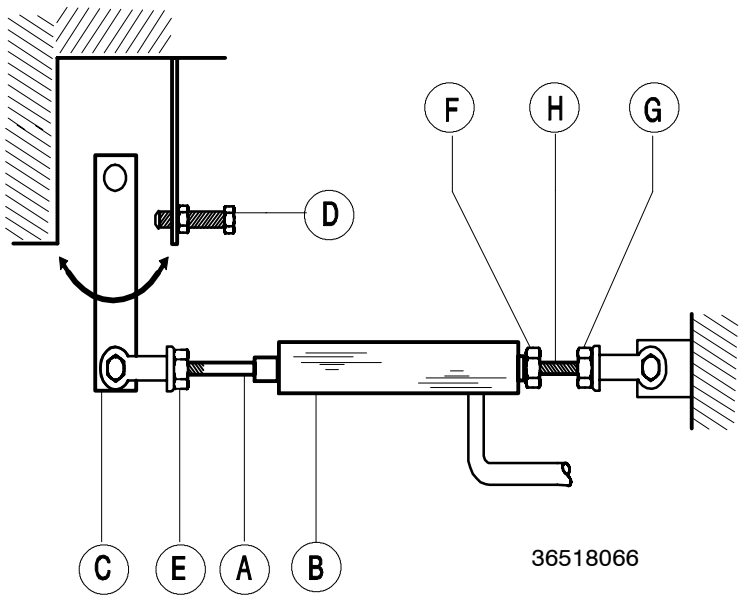
Indicates amount of fuel in tank.

18. Ether Inject Button –

Injects a measured shot. **USE SPARINGLY.**

19. Service Air Button –

After warm up, PUSH. Provides full air pressure at the service outlet.



Normally, regulation requires no adjusting, but if proper adjustment is lost, proceed as follows:

Note: Refer to general data for machine rated speeds and pressure.

Before Starting Unit:

1. Atop separator tank cover at pressure valve, loosen locknut counterclockwise. Turn adjustment screw and locknut counterclockwise until no tension is felt at the screw. turn screw clockwise one full revolution.

After Starting Unit:

2. Allow unit to warm up. Then at control panel, push “Service Air” Button, if equipped.

3. Open and adjust service valve (on outside of the unit) to obtain the rated operating pressure on the discharge pressure gauge.

Note: If the rated operating pressure cannot be maintained with engine at full load speed and rod (A) of air cylinder (B) fully retracted, turn regulator adjustment screw clockwise until throttle airm (C) moves against full speed governor stop (D).

4. Insure that pressure is maintained at rated pressure, then turn regulator adjustment screw counterclockwise until throttle arm (C) just begins to move.

Note: Turning regulator adjustment screw clockwise will raise pressure at full speed.

5. Close service valve (engine will slow to idle speed). Loosen jam nut (E) on rod (A). Rotate rod (A) to adjust speed to obtain idle rpm.

6. If necessary, repeat steps 3 and 4.

7. At pressure regulator, tighten lock nut.

8. Limit full load engine speed by loosening jam nut (F) and (G) and rotating rod (H). When proper speed is reached, tighten jam nuts.

9. To obtain maximum CFM at any pressure between 80 PSI (550kPa) and the rated operating pressure, turn adjustment screw of pressure regulator to obtain desired discharge pressure at full load engine speed. Always lock pressure setting of adjusting screw.

HP300 IQ System

The IQ System is a complete, self-contained system which provides cooler, cleaner air than from a standard portable compressor. The system utilizes an integral aftercooler, high-efficiency filtration, and a patented condensate disposal system to provide the cool, clean air. The condensate disposal system injects all liquid condensed from the moisture separator and filters into the engine exhaust system where it is vaporized by heat. This eliminates the need for collecting the condensate, and the added cost of disposing of the condensate, which is often regulated by local, state, and/or federal regulations.

Theory of Operation

The compressed air exits the separator tank through the top cover piping, and can then travel along one of two paths, selectable via manual valving. Refer to Illustration 36535177.

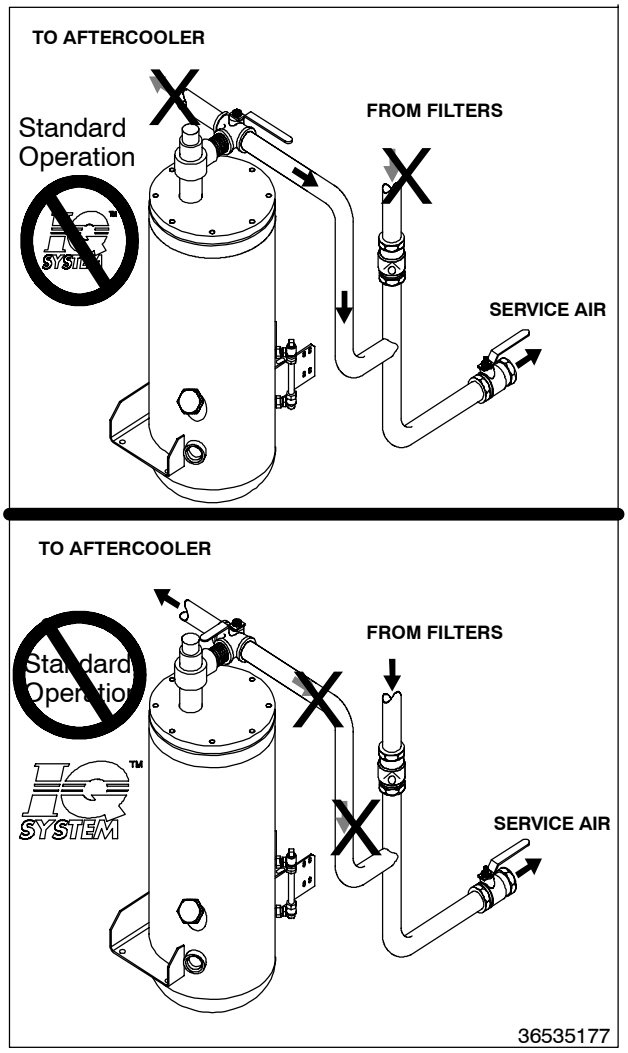
One path allows Standard Operation, which bypasses the IQ System, and delivers air quality equivalent to a standard oil-flooded portable compressor. If the IQ System is enabled by proper setting of the 3-way valve, the compressed air first enters the aftercooler.

The aftercooler is cooled by the incoming compressor package air. The compressed air and condensate (water with a small amount of compressor lubricant) exits the aftercooler and enters the moisture separator, where most of the condensate is removed.

The compressed air then flows through two stages of filtration, where the aerosol water and oil is removed down to approximately 0.01 ppm, and all particulates are removed down to 0.01 micron.

At the bottom of the moisture separator and both filters are condensation lines.

These condensate lines are piped together, and the condensate is injected at a single point into the exhaust system. The compressed air then travels through the minimum pressure valve, and out through the service air valve.



The air pressure gauge on the instrument panel indicates the pressure inside the separator tank. The air pressure gage located at dual filters on lifting bail indicates delivered air pressure of the IQ System.

If the IQ System is bypassed (Standard Operation selected), the delivered air pressure will be approximately equal to the separator tank pressure. If the IQ System operation is selected, the delivered air pressure will be slightly less than separator tank pressure depending on the restriction of the filters, depending on the restriction of the filters.

CAUTION

The compressor regulation system is adjusted to maintain regulated pressure at the separator tank. DO NOT adjust regulation to provide full regulation pressure at the service valve when the IQ System is enabled. This will result in operation at excessive horsepower levels, causing overheating, reduced engine life, and reduced airend life.

MAINTENANCE

Daily Maintenance:

Verify, during full-load (maximum compressed air delivery) that the IQ System filter restriction indicators do not show excessive restriction.

Restriction indicators for primary and secondary filters are located on the filter heads. An automatic restriction indicator is located behind the filter mounting bracket and will shut down the compressor if restriction exceeds recommended valves.

CAUTION

Excessively restricted filter elements may cause an increase in the amount of aerosol water and oil carryover, which could result in damage to downstream equipment. Normal service intervals should not be exceeded.

Weekly Maintenance:

• Verify that the piping from the water separator and and filters to the exhaust system is not clogged.

CAUTION

Blockage of the condensate will result in flooding of the vessels. If flooding occurs, excessive condensate may enter the air stream and could result in damage to downstream equipment.

Yearly Maintenance:

The normal maintenance interval on the primary and secondary IQ System filters is one year, or earlier if pressure drop becomes excessive.

Restriction indicators for the filters are mounted on the filter heads. An automatic restriction indicator located behind the filters will shut down the compressor if restriction exceeds recommended values.

CAUTION

Excessively restricted filter elements may cause an increase in the amount of aerosol water and oil carryover, which could result in damage to downstream equipment. Normal service intervals should not be exceeded.

Filter Replacement

• Remove all wires and hoses connected to drains on bottom of each filter housing. Inspect fittings and hoses for any blockage. Clean if necessary.

CAUTION

Do not remove u-bolts from both filters at the same time. removing both u-bolts will place excessive stress on the aftercooler.

• Using a chain wrench or similar tool, loosen the housing. The housing should be removed by hand after loosening, taking care to prevent the housing from falling to the floor panel.

• Lower the housing to floor panel. Remove and replace the filter element, being careful not to damage outer wrap.

• Put a small amount of petroleum jelly or other non-synthetic grease on the element o-ring to aid installation into the filter head.

• Replace housing making sure to not overtighten.

• Repeat the above procedure on the remaining filter element.• Reconnect all wires and hoses to drains on bottom of each filter housing.

SECTION 6 – MAINTENANCE

CAUTION

Any unauthorized modification or failure to maintain this equipment may make it unsafe and out of factory warranty.

WARNING

If performing more than visual inspections, disconnect battery cables and open manual blowdown valve.

Use extreme care to avoid contacting hot surfaces (engine exhaust manifold and piping, air receiver and air discharge piping, etc.).

Never operate this machine with any guards removed.

Inch and metric hardware was used in the design and assembly of this unit. Consult the parts manual for clarification of usage.

GENERAL

In addition to periodic inspections, many of the components in this unit requires periodic servicing to provide maximum output and performance. Servicing may consist of pre-operation and post-operation procedures to be performed by the operating or maintenance personnel. The primary function of preventive maintenance is to prevent failure, and consequently, the need for repair. Preventive maintenance is the easiest and the least expensive type of maintenance. Maintaining your unit and keeping it clean at all times will facilitate servicing.

SCHEDULED MAINTENANCE

The maintenance schedule is based on normal operation of the unit. In the event unusual environmental operating conditions exist, the schedule should be adjusted accordingly.

COMPRESSOR OIL LEVEL

The oil level should be checked before the unit is started. The optimum operating level is midway of the sight tube on the side of the receiver tank. See the decal beside the sight tube. If the oil level is not in the "OK" range, make appropriate corrections (Add or Drain). A totally filled sight tube in which the level is not visible indicates an over-full condition and requires that oil be drained.

AIR CLEANER

This unit is equipped with an AIR FILTERS RESTRICTED lamp on the instrument panel, covering both the engine and the compressor.

This should be checked daily during operation. If the lamp glows (red) with the unit operating at full speed, servicing of the cleaner element is necessary.

Also weekly squeeze the rubber valve (precleaner dirt dump) on each air cleaner housing to ensure that they are not clogged.

The air filters restricted sensor will automatically reset after the main power switch is turned to "OFF."

To service the air cleaners proceed as follows:

1. Loosen outer wing nut and remove with cover. Remove Element.
2. Inspect air cleaner housing for any condition that might cause a leak and correct as necessary.
3. Wipe inside of air cleaner housing with a clean, damp cloth to remove any dirt accumulation, especially in the area where the element seals against the housing.
4. Inspect element by placing a bright light inside and rotating slowly. If any holes or tears are found in the paper, discard this element. If no ruptures are found, the element can be cleaned.
5. If a new air filter element is to be used check it closely for shipping damage.
6. Install cleaned or new elements in the reverse order to the above. Tighten wing nut firmly.
7. Inspect to ensure that the end cap seals tightly 360 degrees around the air cleaner body.

In the event that the filter element must be reused immediately, compressed air cleaning (as follows) is recommended since the element must be thoroughly dry. Direct compressed air through the element in the direction opposite to the normal air flow through the element.

Move the nozzle up and down while rotating the element. Be sure to keep the nozzle at least one inch (25.4 mm) from the pleated paper.

NOTE: To prevent damage to the element, never exceed a maximum air pressure of 100 psi (700 kPa).

In the event the element is contaminated with dry dirt, oil or greasy dirt deposits, and a new element is not available, cleaning can be accomplished by washing, using the air cleaner element manufacturer's recommendations.

NOTE: It is recommended that replacement elements be installed in the unit. The elements just removed for cleaning can be washed and stored as future replacement elements.

In addition, the air cleaner system (housing and piping) should be inspected every month for any leakage paths or inlet obstructions. Make sure the air cleaner mounting bolts and clamps are tight. Check the air cleaner housing for dents or damage which could lead to a leak. Inspect the air transfer tubing from the air cleaner to the compressor and the engine for leaks.

Make sure that all clamps and flange joints are tight.

GAUGES

The instruments or gauges are essential for safety, maximum productivity and long service life of the machine. Inspect the gauges and test any diagnostic lamps prior to start-up. During operation observe the gauges and any lamps for proper functioning. Refer to Operating Controls, for the normal readings.

FUEL TANK

CLEAN fuel in the fuel tanks is vitally important and every precaution should be taken to ensure that only clean fuel is poured or pumped into the tank.

When filling the fuel tank on this unit, by methods other than a pump and hose, use a CLEAN non-metallic funnel.

BATTERY

Keep the battery posts-to-cable connections clean, tight and lightly coated with a grease. Also the electrolyte level in each cell should cover the top of the plates. If necessary, top-off with clean distilled water.

TIRES

A weekly inspection is recommended. Tires that have cuts or cracks or little tread should be repaired or replaced. Monthly check the wheel lug nuts for tightness.

ENGINE

Correct engine speed is critical to the operation of this machine. Check the idle and full load rpm every three months and adjust in accordance with the speed and pressure adjustment instructions in this manual and included on a decal on the machine. Correct speeds are on the general data decal.

COMPRESSOR OIL COOLER

The compressor lubricating and cooling oil is cooled by means of the fin and tube-type oil cooler. The lubricating and cooling oil, flowing internally through the core section, is cooled by the air stream from the cooling fan flowing past the core section. When grease, oil and dirt accumulate on the exterior surfaces of the oil cooler, its efficiency is impaired.
Each month it is recommended that the oil cooler be cleaned by directing compressed air which contains a nonflammable, non-caustic safety solvent through the core of the oil cooler. This should remove the accumulation of grease, oil and dirt from the exterior surfaces of the oil cooler core so that the entire cooling area can transmit the heat of the lubricating and cooling oil to the air stream.

In the event foreign deposits, such as sludge and lacquer, accumulate in the oil cooler to the extent that its cooling efficiency is impaired, a resulting high discharge air temperature is likely to occur, causing shut down of the unit. To correct this situation it will be necessary to clean it using a cleaning compound in accordance with the manufacturer's recommendations.

HOSES

Each month it is recommended that all of the intake lines to and from the air cleaners, the engine cooling system hoses and all of the flexible hoses used for air, oil, and fuel be inspected.

To ensure freedom from air leaks, all rubber hose joints and the screw-type hose clamps must be absolutely tight. Regular inspection of these connections for wear or deterioration is necessary.

Premature wear of both the engine and compressor is ASSURED whenever dust-laden air is permitted to enter the engine's combustion chamber or the compressor intake.

The flexible hoses used in the fuel, oil and air lines on these units are primarily used for their ability to accommodate relative movement between components. It is important they be periodically inspected for wear and deterioration. It is also important the operator does not use the hoses as convenient hand hold or steps. Such use can cause early cover wear and hose failure.

NOTICE

Piping systems operating at less than 150 psi (1050 kPa) may use a special nylon tubing. The associated fittings are also of a special "push-in" design. If so, features are as follows:

Pulling on the tubing will cause the inner sleeve to withdraw and compress, thus tightening the connection. The tubing can be withdrawn only while holding the sleeve against the fitting. The tubing can be removed and replaced numerous times without losing its sealing ability.

To install the nylon tubing, make a mark (with tape or grease pencil) approximately 7/8 inch from the end of the tubing. Insert the tubing into the sleeve and "push-in" past the first resistance to the bottom. The mark should be approximately 1/16 inch from the sleeve, for the 3/8 inch O.D. tubing; 1/8 inch for the 0.25 inch O.D. tubing. This will ensure that the tubing is fully engaged in the sealing mechanism.

NOTICE

The oil filter must be replaced every 500 hours of operation or three (3) months, whichever comes first. On new or overhauled units, replace the element after the first 50 and 150 hours of operation; thereafter, service the oil filter every 500 hours.

To service the oil filters it will first be necessary to shut the unit down. Wipe off any external dirt and oil from the exterior of the filter to minimize any contamination from entering the lubrication system. Proceed as follows:

WARNING

High pressure air can cause severe injury or death from hot oil and flying parts. Always relieve pressure before removing caps, plugs, covers or other parts from pressurized air system.

1. Open the service air valve(s) to ensure that system is relieved of all pressure. Close the valve(s).

2. Turn the spin-on filter element counterclockwise to remove it from the filter housing. Inspect the filter.

NOTICE

If there is any indication of formation of varnishes, shellacs or lacquers on the oil filter element, it is a warning the compressor lubricating oil has improper characteristics and should be immediately changed.

3. Inspect the oil filter head to be sure the gasket was removed with the oil filter element. Clean the gasket seal area on the oil filter head.

RUNNING GEAR

Every month or 500 miles, tighten the wheel lug nuts to 85 - 95 lbs.-ft. Every six months the wheel bearings, grease seals and axle spindles should be inspected for damage (corrosion, etc.) or excessive wear. Replace any damaged or worn parts. Repack wheel bearings. Use a wheel bearing grease conforming to specification MIL-G-10924 and suitable for all ambient temperatures.

Grease can be replaced in a wheel bearing using a special fixture or by hand as follows.

Before installing bearing, place a light coat of grease on the bearing cups which are pressed in the hub.

NOTICE

Installing a new oil filter element when the old gasket remains on the filter head, will cause an oil leak and can cause property damage.

4. Lubricate the new filter gasket with the same oil being used in the machine.

5. Install new filter by turning element clockwise until gasket makes initial contact. Tighten an additional 1/2 to 3/4 turn.

6. Start unit and allow to build up to rated pressure. Check for leaks before placing unit back into service.

FASTENERS

Visually check entire unit in regard to bolts, nuts and screws being properly secured. Spot check several capscrews and nuts for proper torque. If any are found loose, a more thorough inspection must be made. Take corrective action.

COMPRESSOR OIL

The lubricating and cooling oil must be replaced every 500 hours of operation or six (6) months, whichever comes first.

Place a spoonful of grease in the palm of one hand and take the bearing in the other hand. Push a segment of the wider end of the bearing down into the outer edge of the grease pile closest to the thumb. Keep lifting and pushing the bearing down into the edge of the grease pile until grease oozes out both from the top and from between the rollers. Then rotate the bearing to repeat this operation on the next segment. Keep doing this until you have the entire bearing completely filled with grease.

NOTICE

Excessive grease in the hub or grease cap serves no purpose due to the fact that there is no way to force the grease into the bearing. The manufacturer's standard procedure is to thoroughly pack the inner and outer bearing with grease and then to apply only a very small amount of grease into the grease cap.

If bearing adjustment is required or the hub has been removed for any reason, the following procedure must be followed to ensure a correct bearing adjustment of 0.001 to .012 free play.

1. While rotating hub slowly to seat the bearings, tighten spindle nut to approximately 15 lbs.-ft. Grasp the tire at the top and bottom and rock, in and out. There should be no evidence of looseness (free play) at the bearing.

2. Loosen nut to remove preload torque. Do not rotate hub.

3. Finger tighten nut until just snug. Loosen nut until the first nut castellation lines up with cotter pin hole in spindle. Insert cotter pin.

4. Ensure a definite but minimal amount of free play by rocking the tire.

5. Nut should be free to move with only restraint being the cotter pin.

RECEIVER-SEPARATOR SYSTEMS

WARNING

High pressure air can cause severe injury or death from hot oil and flying parts. Always relieve pressure before removing caps, plugs, covers or other parts from pressurized air system.

- **Open service valve at end of machine.**

- **Ensure pressure is relieved, with BOTH:**
  - **Discharge air pressure gauge reads zero (0).**
  - **No air discharging from service valve.**

When draining oil, remove plug from bottom of separator tank.

When adding oil, remove and replace (make tight) plug on side of separator tank.

In the compressor lubricating and cooling system, separation of the oil from the compressed air takes place in the receiver-separator tank. As the compressed air enters the tank, the change in velocity and direction drop out most of the oil from the air.

Additional separation takes place in the oil separator element which is located in the top of the tank.

Any oil accumulation in this separator element is continuously drained off by means of a scavenge tube which returns the accumulated oil to the system.

The life of the oil separator element is dependent upon the operating environment (soot, dust, etc.) and should be replaced every twelve months or 2000 hours. To replace the element proceed as follows:

• Ensure the tank pressure is zero.

• Disconnect the hose from the scavenge tube.

• Remove scavenge tube from tank cover.

• Disconnect service line from cover.

• Remove cover mounting screws.

• Remove cover and element.

• Remove any gasket material left on cover or tank.

• Install new element.

NOTICE

Do not remove staples from the element/gasket connection.

• Place a straightedge across top of element and measure from bottom of straightedge to bottom of element (See Fig. 4.1).

• Replace scavenge tube in cover (cover is still off of tank).

• Measure from bottom of cover to end of scavenge tube. Measurement should be from 1/8" to 1/4" less than the element measurement. If not, cut to size.

• Remove scavenge tube.

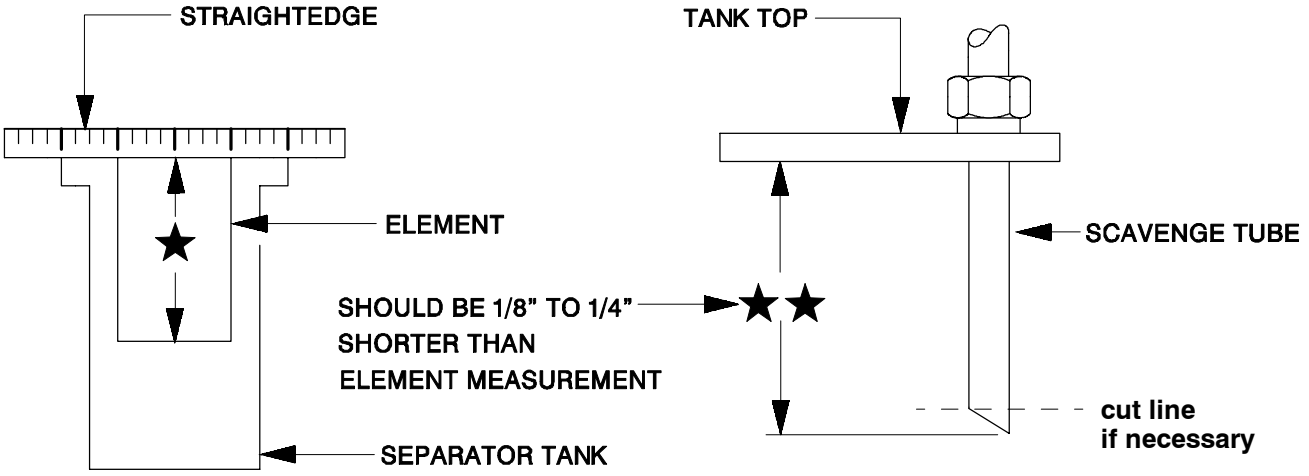
• Reposition cover (use care not to damage gaskets).

• Replace cover mounting screws: tighten in a criss-cross pattern.

• Reconnect service line. Replace scavenge tube. Reconnect hose.

• Close service valve. Start unit and look for leaks.

When replacing the element, the scavenge lines, orifice, filter, and check valve should be thoroughly cleaned and the oil changed.



SCAVENGE LINE

WARNING

High pressure air can cause severe injury or death from hot oil and flying parts. Always relieve pressure before removing caps, plugs, covers or other parts from pressurized air system.

The scavenge line originates at the receiver-separator tank cover and terminates at the compressor airend near the oil filter element. An orifice check valve is located on the scavenge tube.

Once a year or every 2000 hours of operation, whichever comes first, replace the separator element and clean the scavenge orifice/check valve.

NOTICE

Excessive oil carry-over may be caused by an oil-logged separator element. Do not replace element without first performing the following maintenance procedure:

1. Check oil level. Maintain as indicated earlier in this section.
2. Thoroughly clean scavenge line, any orifice and check valve.
3. Assure minimum pressure valve/orifice is operational.
4. Run unit at rated operating pressure for 30 to 40 minutes to permit element to clear itself.

EXTERIOR FINISH CARE

This unit was painted and heat cured at the factory with a high quality, thermoset polyester powder coating. The following care will ensure the longest possible life from this finish.

1. If necessary to remove dust, pollen, etc. from housing, wash with water and soap or dish washing liquid detergent. Do not scrub with a rough cloth, pad, etc.
2. If grease removal is needed, a fast evaporating alcohol or chlorinated solvent can be used. Note: This may cause some dulling of the paint finish.
3. If the paint has faded or chalked, the use of a commercial grade, non-abrasive car wax may partially restore the color and gloss.

To touch-up or paint over and retain the superior finish requires the following:

1. The area to be painted should be finish sanded with 320 grit paper.
2. Remove all sanding dust with alcohol using clean, lint free rag(s). Change rag when soiled. Remove any lint and other loose contamination with automobile-grade tack rag(s).
3. Before applying paint: Inspect to insure that area is free of all dirt, fibers, lint, grease, moisture or any other form of surface contamination. Coat area with a solvent based, automotive-type, high quality liquid paint that will adhere to powder coatings. DO NOT USE WATER BORNE OR LATEX PRODUCTS.
4. If possible, allow 30 days before washing with anything but clean water.

MAINTENANCE SCHEDULE

		Daily	Weekly	Monthly	3 MOS . 250 hrs.	6 MOS. 500 hrs	12 MOS. 1000 hrs
Compressor Oil Level		C					
Engine Oil Level		C					
*Radiator Coolant Level		C					
Gauges/Lamps		C					
Fuel Tank (fill at end of day)		C				DRAIN	
*Fuel/Water Separator Drain		C					
Air Cleaner Precleaner Dumps			C				
Fan/Alternator Belts			C				
Battery Connections/Electrolyte			C				
Tire Pressure and Surface			C				
*Wheel Lug Nuts				C			
Hoses (oil, air, intake, etc.)				C			
Automatic Shutdown System	Test			C			
Air Cleaner System	Visual			C			
Compressor Oil Cooler	Exterior			C	CLEAN		
*Engine Rad/Oil Cooler	Exterior			C	CLEAN		
Fasteners, Guards					C		
Air Cleaner Elements						WI	
*Fuel/Water Separator Element						R	
Compressor Oil Filter Element						R	
Compressor Oil						R	
*Wheels (bearings, seals, etc)						C	
*Engine Coolant	Test					C	R
Shutdown Switch Settings	Test						C
Scavenger Orifice & Related Parts							CLEAN
Oil Separator Element							R
Lights (running, brake, & turn)		CBT					
Pintle Eye Bolts		CBT					
Engine (oil changes, filters, etc)		Refer to Engine Operator Manual in this book.					

*Disregard if not appropriate for this particular machine.

R=replace, **C**=check (adjust if necessary), **WI**=OR when indicated, **CBT** = check before towing.

Refer to specific sections of the operator's manual for more information.

SECTION 7 - LUBRICATION

GENERAL INFORMATION

Lubrication is an essential part of preventive maintenance, affecting to a great extent the useful life of the unit. Different lubricants are needed and some components in the unit require more frequent lubrication than others. Therefore, it is important that the instructions regarding types of lubricants and the frequency of their application be explicitly followed. Periodic lubrication of the moving parts reduces to a minimum the possibility of mechanical failures.

The Preventive Maintenance Schedule shows those items requiring regular service and the interval in which they should be performed. A regular service program should be developed to include all items and fluids. These intervals are based on average operating conditions. In the event of extremely severe (hot, cold, dusty or wet) operating conditions, more frequent lubrication than specified may be necessary. Details concerning lubrication of the running gear are in Maintenance Section.

All filters and filter elements for air and compressor lubricant must be obtained through Ingersoll-Rand to assure the proper size and filtration for the compressor.

COMPRESSOR OIL CHANGE

These units are normally furnished with an initial supply of oil sufficient to allow operation of the unit for approximately 6 months or 1000 hours, whichever comes first. If a unit has been completely drained of all oil, it must be refilled with new oil before it is placed in operation. Refer to specifications in Lubrication Table.

NOTICE

Some oil types are incompatible when mixed and result in the formation of varnishes, shellacs, or lacquers which may be insoluble. Such deposits can cause serious troubles including clogging of the filters. Where possible, do NOT mix oils of different types and avoid mixing different brands. A type or brand change is best made at the time of a complete oil drain and refill.

If the unit has been operated for the time/ hours mentioned above, it should be completely drained of oil. If the unit has been operated under adverse conditions, or after long periods in storage, an earlier change period may be necessary as oil deteriorates with time as well as by operating conditions.

WARNING

High pressure air can cause severe injury or death from hot oil and flying parts. Always relieve pressure before removing caps, plugs, covers or other parts from pressurized air system. Ensure the following conditions are met:

- Discharge air pressure gauge reads zero (0).
- No air discharging from an "open" manual blowdown valve.

An oil change is good insurance against the accumulation of dirt, sludge, or oxidized oil products.

Completely drain the receiver- separator, piping, and oil cooler. If the oil is drained immediately after the unit has been run for some time, most of the sediment will be in suspension and, therefore, will drain more readily. However, the fluid will be hot and care must be taken to avoid contact with the skin or eyes.

After the unit has been completely drained of all old oil, close the drain valve. Add oil in the specified quantity at the filler plug. Tighten the filler plug and run the machine to circulate the oil. Check the oil level WHEN RUNNING AT FULL LOAD. If not near the middle of the sight tube, stop the unit and make corrections. DO NOT OVERFILL.

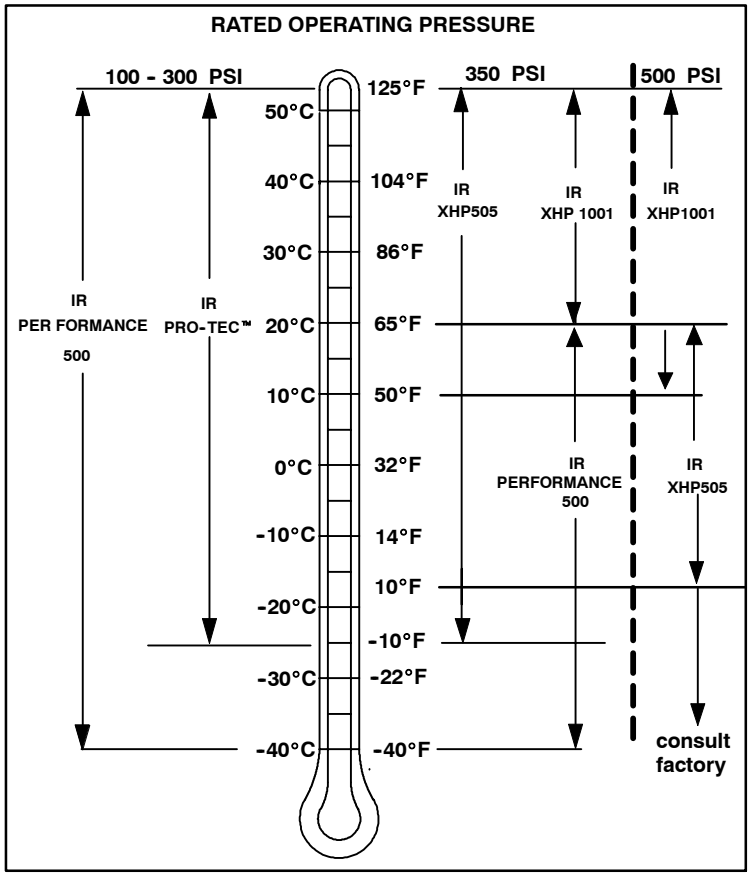
NOTICE

Ingersoll-Rand provides compressor oil specifically formulated for Portable Compressors and requires the use of these fluids in order to obtain extended limited airend warranty.

SECTION 7 - COMPRESSOR LUBRICATION

Portable Compressor Fluid Chart

Refer to these charts for correct compressor fluid required. Note that the selection of fluid is dependent on the design operating pressure of the machine and the ambient temperature expected to be encountered before the next oil change.



Design Operating Pressure	Ambient Temperature	Specification
100 psi to 300 psi	-10°F to 125°F (-23°C to 52°C)	IR Pro-Tec™ Mil –PRF 2104G SAE 10W
100 psi to 300 psi	-40°F to 125°F (-40°C to 52°C)	IR Performance 500 Mil-L-46167
350 psi	-10°F to 125°F (-23°C to 52°C)	IR XHP 505
	65°F to 125°F (18°C to 52°C)	IR XHP1001
	-40°F to 65°F (-40°C to 18°C)	IR Performance 500 Mil-L-46167
500 psi	50°F to 125°F (10°C to 52°C)	IR XHP1001
	10°F to 65°F (-12°C to 18°C)	IR XHP 505
	below 10°F (-12°C)	Consult Factory

Recommended Ingersoll-Rand Fluids - Use of these fluids with original I-R filters can extend airend warranty. Refer to operator's manual warranty section for details or contact your I-R representative.

Recommended Fluid	1 Gal. (3.8 Litre)	5 Gal. (19.0 Litre)	55 Gal. (208.2 Litre)
IR Pro-Tec™	36899698	36899706	36899714
IR XHP 505		35365188	35365170
IR Performance 500	35382928	35382936	35382944
IR XHP1001		35612738	35300516

SECTION 8 – Trouble Shooting

INTRODUCTION

Trouble shooting for a portable air compressor is an organized study of a particular problem or series of problems and a planned method of procedure for investigation and correction. The trouble shooting chart that follows includes some of the problems that an operator may encounter during the operation of a portable compressor.

The chart does not attempt to list all of the troubles that may occur, nor does it attempt to give all of the answers for correction of the problems. The chart does give those problems that are most apt to occur. To use the trouble shooting chart:

A. Find the "complaint" depicted as a bold heading.

B. Follow down that column to find the potential cause or causes. The causes are listed in order (1,2,3 etc.) to suggest an order to follow in trouble shooting.

ACTION PLAN

A. Think Before Acting

Study the problem thoroughly and ask yourself these questions:

(1) What were the warning signals that preceded the trouble?
(2) Has a similar trouble occurred before?
(3) What previous maintenance work has been done?
(4) If the compressor will still operate, is it safe to continue operating it to make further checks?

B. Do The Simplest Things First

Most troubles are simple and easily corrected. For example, most complaints are "low capacity" which may be caused by too low an engine speed or "compressor over- heats" which may be caused by low oil level.

Always check the easiest and most obvious things first; following this simple rule will save time and trouble.

Note: For trouble shooting electrical problems, refer to the Wiring Diagram Schematic found in Parts List Section.

C. Double Check Before Disassembly

The source of most compressor troubles can be traced not to one component alone, but to the relationship of one component with another. Too often, a compressor can be partially disassembled in search of the cause of a certain trouble and all evidence is destroyed during disassembly. Check again to be sure an easy solution to the problem has not been overlooked.

D. Find And Correct Basic Cause

After a mechanical failure has been corrected, be sure to locate and correct the cause of the trouble so the same failure will not be repeated. A complaint of "premature breakdown" may be corrected by repairing any improper wiring connections, but something caused the defective wiring. The cause may be excessive vibration.

TROUBLE SHOOTING CHART

Bold Headings depict the COMPLAINT - Subheadings suggest the CAUSE

Note: Subheadings suggest sequence to follow troubleshooting.

1. Unit Shutdown:

	Corrective Action
Out of Fuel	Add CLEAN diesel Fuel
Compressor Oil Temp. Too High	See Complaint 10
Engine Water Temp. Too High	Check coolant level. If necessary, Add.
Engine Oil Pressure Too Low	See Complaint 3 and Complaint 4.
Broken Engine Fan Belt	Replace fan belt.
Loose Wire Connection	Wiggle wires at switches & connector blocks. Make repairs.
Low Fuel Level Shutdown Switch	Replace switch.
Defective Discharge Air Temp. Switch	Replace switch.
Defective Engine Oil Pressure Switch	Replace switch.
Defective Shutdown Solenoid	Replace solenoid.
Malfunctioning Relay	Replace relay.
* < 16 Volts at Shutdown Solenoid	Check battery and alternator. Make repairs.
Blown Fuse	Replace fuse.
Engine Malfunctioning	See Trouble Shooting in Engine Manual.
Airend Malfunctioning	See Complaint 10.

2. Won't Start/Run:

Low Battery Voltage	Check electrolyte level. Check connections.
* <16 Volts at Shutdown Solenoid	Charge battery and alternator. Make repairs.
Blown Fuse	Replace fuse.
Malfunctioning Start Switch	Replace switch.
Defective Safety Bypass Switch	Replace switch.
Clogged Fuel Filters	Service filters. See Engine Operator's Manual.
Out of Fuel	Add CLEAN fuel.
Compressor Oil Temp. Too High	See Complaint 10.
Engine Water Temp. Too High	Check fluid level. If necessary, Add.
Engine Oil Pressure Too Low	See Complaint 3 and Complaint 4.
Loose Wire Connection	Repair or replace connection.
Defective Discharge Air Temp. Switch	Replace switch.
Defective Engine Oil Pressure Switch	Replace switch.
Defective Shutdown Solenoid	Replace solenoid.
Malfunctioning Relay	Replace relay.
Engine Malfunctioning	See Trouble Shooting in Engine Manual.
Airend Malfunctioning	See Complaint 10.

3. Engine Temperature Lamps Stays On:

Broken Engine Fan Belt	Replace fan belt set.
Malfunctioning Circuit Board	Replace circuit board.
* Ambient Temp. >125°F (52°C)	Above spec limit.
Dirty Operating Conditions	Move unit to cleaner environment.
Dirty Cooler	Clean exterior of cooler.
* Out of Level >15 degrees	Relocate or reposition unit.
Operating Pressure Too High	Reduce pressure to spec.
Recirculation of Cooling Air	Close side doors.
Loose Wire Connection	Repair or replace.
Malfunctioning circuit board.	Replace circuit board.

* : > = greater than, < = less than

4. Engine Oil Pressure Lamp Stays On:

	Corrective Action
Low Oil Level	Add oil.
Out of Level >15 degrees	Relocate or reposition.
Wrong Lube Oil	See Engine Oil Spec. Change oil.
Clogged Oil Filter Element(s)	Replace element(s).
Engine Malfunctioning	See Trouble Shooting in Engine Manual.
Loose Wire Connection.	Repair or replace.
Malfunctioning circuit board	Replace circuit.

5. Engine Temperature Lamps Stays Off:

Bulb Burned Out	Replace circuit board.
Malfunctioning circuit board	Replace circuit board.

6. Engine Oil Pressure Lamp Stays Off:

Bulb Burned Out	Replace circuit board.
Malfunctioning circuit board	Replace circuit board.

7. Alternator Lamp Stays On:

Loose or Broken Belts	Tighten or replace belt set.
Loose Wire Connection	Repair or replace connection.
Low Battery Voltage	Check electrolyte level. Add if necessary. Check connectors. Clean & tighten. Recharge battery.
Malfunctioning Alternator	Repair or replace alternator.
Malfunctioning circuit board	Replace circuit board.

8. Alternator Lamp Stays Off:

Bulb Burned Out	Replace circuit board.
Loose Wire Connection	Repair or replace connector.
Malfunctioning circuit board	Replace circuit board.

9. Unit Fails To Shutdown:

Defective Low Fuel Shutdown Switch	Pull wire off shutdown solenoid. Replace switch.
Defective Discharge Air Temperature Switch	Pull wire off. Replace switch.
Defective Engine Oil Pressure Switch	Pull wire off. Replace switch.
Defective Shutdown Solenoid	Carefully block air inlet to stop engine. Replace solenoid.
Malfunctioning Relay	Pull wire off shutdown solenoid. Replace relay.
Defective Safety Bypass Switch	Pull wire off shutdown solenoid. Replace defective item.

10. Excessive Compressor Oil Temperature:

	Corrective Action
Ambient Temp. > 125°F (52°C)	Above spec limit.
Out of Level > 15 degrees	Relocate or reposition unit.
Low Oil Level	Add oil. Look for any leaks.
Wrong Lube Oil	Check spec in this manual.
Dirty Cooler	Clean exterior surfaces.
Dirty Operating Conditions	Move unit to cleaner environment.
Clogged Oil Filter Elements	Replace elements. Change oil.
Loose or Broken Belts	Tighten or replace belt set.
Operating Pressure Too High	Reduce pressure to spec.
Recirculation Of Cooling Air	Close side doors. Replace belly pan.
Malfunctioning Thermostat	Replace thermostat in bypass valve.
Malfunctioning Fan	Check fan belt tension. Tighten or replace belt set.
Defective Oil Cooler Relief Valve	Replace valve.
Defective Minimum Pressure Valve	Repair or replace valve.
Blocked or Restricted Oil Lines	Clean by flushing or replace.
Airend Malfunctioning	See Complaint 11, 12, 13, 15, 16 or 18.

11. Engine RPM Down:

Clogged Fuel Filter	Clean primary filter. Replace final filter. Drain tanks. Add CLEAN fuel.
Operating Pressure Too High	Reduce pressure to spec limit.
Incorrect Pressure Regulator Adjustment	See Section 6 in this manual.
Malfunctioning Pressure Regulator	Replace regulator.
Incorrect Linkage Adjustment	See Section 6 in this manual.
Dirty Air Filter	Clean or replace elements.
Malfunctioning Air Cylinder	Replace air cylinder and adjust per Section 6.
Wrong Air Filter Element	Install correct element.
Defective Separator Element	Install new element per page 21.
Engine Malfunctioning	See Trouble Shooting in Engine Manual.
Airend Malfunctioning	Refer to Airend Rebuild Manual.

12. Excessive Vibration:

Rubber Mounts, Loose or Damaged	Tighten or replace.
Defective Fan	Replace fan.
Drive Coupling Defective	Replace coupling.
Engine Malfunctioning	See Trouble Shooting in Engine Manual.
Airend Malfunctioning	See Complaint 15 and 17.
Anti-rumble valve not working.	Repair or Replace.
Engine idle speed too low.	Raise “No Load” speed per Section 6.

13. Low CFM:

Dirty Air Filter	Clean or replace elements.
Incorrect Linkage Adjustment	See Section 6 in this manual.
Incorrect Pressure Regulator Adjustment	See Section 6 in this manual.
Malfunctioning Pressure Regulator	Replace regulator.
Malfunctioning Inlet Unloader/Butterfly Valve	Inspect valve. Make adjustment per Section 6.
Malfunctioning Air Cylinder	Replace air cylinder.
Defective Minimum Pressure Valve	Repair or replace valve.
Defective Separator Element	Install new element per Page 21.
Wrong Air Filter Element	Install correct element.

14. Short Air Cleaner Life:

	Corrective Action
Dirty Operating Conditions	Move unit to cleaner environment.
Inadequate Element Cleaning	Install new element.
Incorrect Stopping Procedure	Read procedure in this manual.
Wrong Air Filter Element	Install proper element.
Oil Pump Drive Coupling	Inspect coupling. If necessary, replace coupling.

15. Excessive Oil In Air:

High Oil Level	Read procedure in this manual.
Out of Level > 15 degrees	Relocate or reposition unit.
Clogged Scavenge Orifice	Remove scavenge orifice. Clean and Replace.
Scavenge Tube Blocked	Remove scavenge tube. Clean and Replace.
Defective Scavenge Check Valve	Remove check valve. Replace with new valve.
Sep. Tank Blow Down Too Quickly	Allow unit to blow down automatically.
Defective Minimum Pressure Valve	Remove valve. Repair valve and replace.

16. Oil Seal Leak:

Contaminated Lube Oil	Drain and flush system. Add new CLEAN oil.
Blocked or Restricted Oil Line(s)	Remove, clean and replace line(s).
Malfunctioning Seal	Refer to Airend Rebuild Manual.
Scored Shaft	See instructions in new seal kit.

17. Will Not Unload:

Leak in Regulator Piping	Find and repair leak(s).
Incorrect Pressure Regulator Adjustment	Refer to Section 6 in this manual.
Malfunctioning Pressure Regulator	Replace regulator.
Malfunctioning Inlet Butterfly Valve	Inspect valve fit. Readjust per Section 6.
Ice in Regulation Lines/Orifice	Apply heat to line(s) and or orifice.

18. Oil In Air Cleaner:

Incorrect Stopping Procedure	Read Procedure in this manual.
Oil Pump Drive Coupling	Inspect coupling. Replace if necessary.
Discharge Check Valve Faulty	Replace.

19. Safety Valve Relieves:

Operating Pressure Too High	Reduce pressure to spec limit.
Leak In Regulator Piping	Repair leak(s).
Incorrect Pressure Regulator Adjustment	Refer to Section 6 in this manual.
Malfunctioning Pressure Regulator	Replace regulator.
Malfunctioning Inlet Unloader/Butterfly Valve	Inspect valve fit. Readjust per Section 6.
Defective Safety Valve	Replace safety valve.
Defective Separator Element	Remove element. Install new.
Ice in Regulation Lines/Orifice	Apply heat to lines and/or orifice.

SECTION 9 - PARTS ORDERING

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. All of the compressor parts, listed in the parts breakdown, are manufactured with the same precision as the original equipment. For the greatest protection always insist on genuine Ingersoll-Rand Company parts for your compressor.

NOTICE

Ingersoll-Rand Company can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Ingersoll-Rand Company service facilities and parts are available worldwide. There are Ingersoll- Rand Company Construction Equipment Group Sales Offices and authorized distributors located in the principal cities of the United States. In Canada our customers are serviced by the Canadian Ingersoll-Rand Company, Limited. There are also Ingersoll-Rand International autonomous companies and authorized distributors located in the principal cities throughout the free world.

Special order parts may not be included in this manual. Contact the Mocksville Parts Department with the unit serial number for assistance with these special parts.

DESCRIPTION

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

A series of illustrations show each part distinctly and in location relative to the other parts in the assembly. The part number, the description of the part and the quantity of parts required are shown on each illustration or on adjacent page. The quantities specified are the number of parts used per one assembly and are not necessarily the total number of parts used in the machine. Where no quantity is specified the quantity is assumed to be one.

Each description of a part is based upon the "noun first" method, i.e., the identifying noun or item name is always the first part of the description. The noun name is generally followed by a single descriptive modifier. The descriptive modifier may be followed by words or abbreviations such as upper, lower, inner, outer, front, rear, RH, LH, etc. when they are essential.

In referring to the rear, the front or to either side of the unit, always consider the **drawbar end** of the unit as the **front.** Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

FASTENERS

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners. In order to clarify the proper usage and for exact replacement parts, all standard fasteners have been identified by part number, size and description. This will enable a customer to obtain fasteners locally rather than ordering from the factory. These parts are identified in tables that will be found at the rear of the parts illustrations. Any fastener that has not been identified by both part number and size is a specially engineered part that must be ordered by part number to obtain the exact replacement part.

NOTICE

Do not paint over safety warnings or instructional decals. If safety warning decals become illegible, immediately order replacements from the factory.

Part numbers for original individual decals and their mounting locations are shown within Parts List Section. These are available as long as a particular model is in production.

Afterwards, service sets of exterior decals and current production safety warning decals are available. Contact the Product Support Group at Mocksville for your particular needs and availability.

HOW TO USE PARTS LIST

a. Turn to Parts List.

b. Locate the area or system of the compressor in which the desired part is used and find illustration page number.

c. Locate the desired part on the illustration by visual identification and make note of part number and description.

HOW TO ORDER

The satisfactory ordering of parts by a purchaser is greatly dependent upon the proper use of all available information. By supplying your nearest sales office, autonomous company or authorized distributor, with complete information, you will enable them to fill your order correctly and to avoid any unnecessary delays.

In order that all avoidable errors may be eliminated, the following instructions are offered as a guide to the purchaser when ordering replacement parts:

a. Always specify the model number of the unit as shown on the general data decal attached to the unit.

b. Always specify the serial number of the unit. THIS IS IMPORTANT. The serial number of the unit will be found stamped on a plate attached to the unit. (The serial number on the unit is also permanently stamped in the metal of the frame side rail.)

c. Always specify the number of the parts list publication.

d. Always specify the quantity of parts required.

e. Always specify the part number, as well as the description of the part, or parts, exactly as it is given on the parts list illustration.

In the event parts are being returned to your nearest sales office, autonomous company or authorized distributor, for inspection or repair, it is important to include the serial number of the unit from which the parts were removed.

TERMS AND CONDITIONS ON PARTS ORDERS

Acceptance: Acceptance of an offer is expressly limited to the exact terms contained herein. If purchaser's order form is used for acceptance of an offer, it is expressly understood and agreed that the terms and conditions of such order form shall not apply unless expressly agreed to by Ingersoll–Rand Company ("Company") in writing. No additional or contrary terms will be binding upon the Company unless expressly agreed to in writing.

Taxes: Any tax or other governmental charge now or hereafter levied upon the production, sale, use or shipment of material and equipment ordered or sold is not included in the Company's price and will be charged to and paid for by the Purchaser.

Shipping dates shall be extended for delays due to acts of God, acts of Purchaser, acts of Government, fires, floods, strikes, riot, war, embargo, transportation shortages, delay or default on the part of the Company's vendors, or any other cause beyond the Company's reasonable control.

Should Purchaser request special shipping instruction, such as exclusive use of shipping facilities, including air freight when common carrier has been quoted and before change order to purchase order can be received by the Company, the additional charges will be honored by the Purchaser.

Warranty: The Company warrants that parts manufactured by it will be as specified and will be free from defects in materials and workmanship. The Company's liability under this warranty shall be limited to the repair or replacement of any part which was defective at the time of shipment provided Purchaser notifies the Company of any such defect promptly upon discovery, but in no event later than three (3) months from the date of shipment of such part by the Company. The only exception to the previous statement is the extended warranty as it applies to the special airend exchange program.

Repairs and replacements shall be made by the Company F.O.B. point of shipment. The Company shall not be responsible for costs of transportation, removal or installation.

Warranties applicable to material and equipment supplied by the Company but wholly manufactured by others shall be limited to the warranties extended to the Company by the manufacturer which are able to be conveyed to the Purchaser.

Delivery: Shipping dates are approximate. The Company will use best efforts to ship by the dates specified; however, the Company shall not be liable for any delay or failure in the estimated delivery or shipment of material and equipment or for any damages suffered by reason thereof.

The company makes no other warranty or representation of any kind whatsoever, expressed or implied, except that of title, and all implied warranties, including any warranty of merchantability and fitness for a particular purpose, are hereby disclaimed.

Limitation of Liability:

The remedies of the Purchaser set forth herein are exclusive, and the total liability of the Company with respect to this order whether based on contract, warranty, negligence, indemnity, strict liability or otherwise, shall not exceed the purchase price of the part upon which such liability is based.

The Company shall in no event be liable to the Purchaser, any successors in interest or any beneficiary of this order for any consequential, incidental, indirect, special or punitive damages arising out of this order or any breach thereof, or any defect in, or failure of, or malfunction of the parts hereunder, whether based upon loss of use, lost profits or revenue, interest, lost goodwill, work stoppage, impairment of other goods, loss by reason of shutdown or non– operation, increased expenses of operation or claims of customers of Purchaser for service interruption whether or not such loss or damage is based on contract, warranty, negligence, indemnity, strict liability or otherwise.

AIREND EXCHANGE PROGRAM

Your Ingersoll–Rand Company Construction Equipment Group Sales Offices and authorized distributors as well as Ingersoll–Rand International autonomous companies and authorized distributors now have an airend exchange program to benefit portable compressor users.

On the airend exchange program the exchange price is determined by the age and condition of the airend and may be classified by one of the following categories.

Category "A": The airend must not be over two years old and must have reusable rotor housing(s) and rotor(s).

Category "B": The airend must be between two and five years old and returned with two or more reusable major castings.

Category "C": The airend must be over five years old.

Your nearest sales office, autonomous company or authorized distributor must first contact the Parts Service Department at the factory at which your portable air compressor was manufactured for an airend exchange number. The airend must be tagged with this preassigned number and returned to the factory prepaid. The airend must be intact, with no excluded parts, otherwise the exchange agreement may be cancelled. The warranty on an exchange or factory rebuilt airend is 365 days.

Airends being returned to the factory in connection with a WARRANTY CLAIM must be processed through the Customer Service Department. If returned without a Warranty MRR (Material Return Request) Number, no warranty claim will be considered.

PARTS LIST

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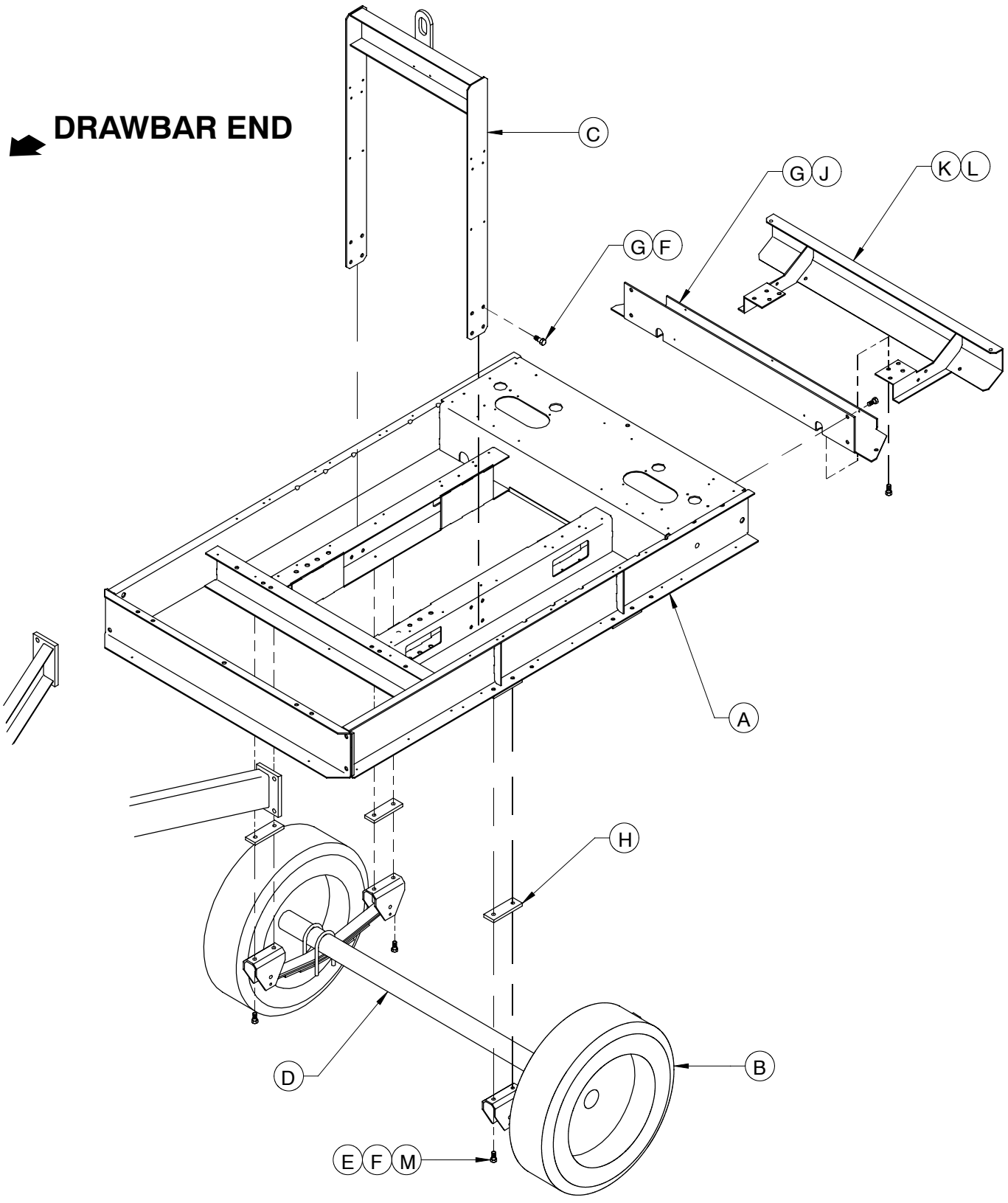
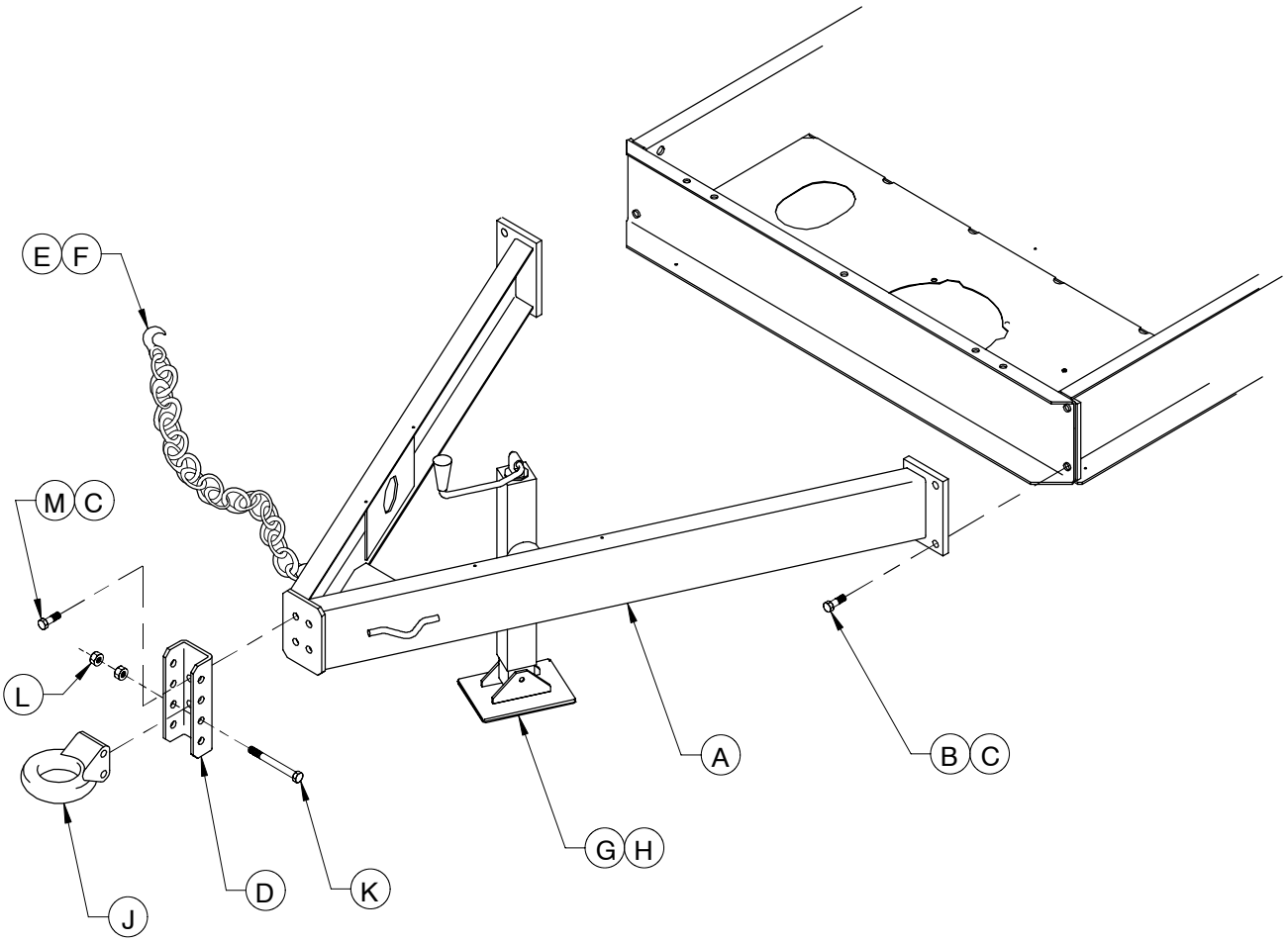


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
11/27/95 bd	FRAME & RUNNING GEAR	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-002	7/00 C

ITEM	C.P.N.	QTY	DESCRIPTION	
A	36876670	1	FRAME	
B	36026268	2	TIRE ASSEMBLY	
C	36877942	1	LIFTING BAIL	
D	36877173	1	AXLE ASSEMBLY	**{PRIOR TO S/N 320787}**
	36881225	1	AXLE ASSEMBLY, ELECTRIC BRAKE	**{BEGIN WITH S/N 320787}**
E	96730395	8	SCREW, HEX HD M12 X 50	
F	36879203	8	NUT, HEX NYLOC M12	
G	36879492	12	SCREW,FLG HD M12 X 25	
H	36880599	4	SPACER, RUNNING GEAR	
J	36885937	1	EXTENSION, FRAME (P250)	**{PRIOR TO S/N 296791}**
	36921153	1	EXTENSION, FRAME (HP300 - P375)	**{BEGIN WITH S/N 296791}**
K	36776649	1	BUMPER	
L	35148030	6	SCREW, TAPPING 1/2-13 X 1	
M	95935003	16	WASHER, FLAT	

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
11/27/95 bd	FRAME & RUNNING GEAR	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-003	4/01 F

DRAWBAR END

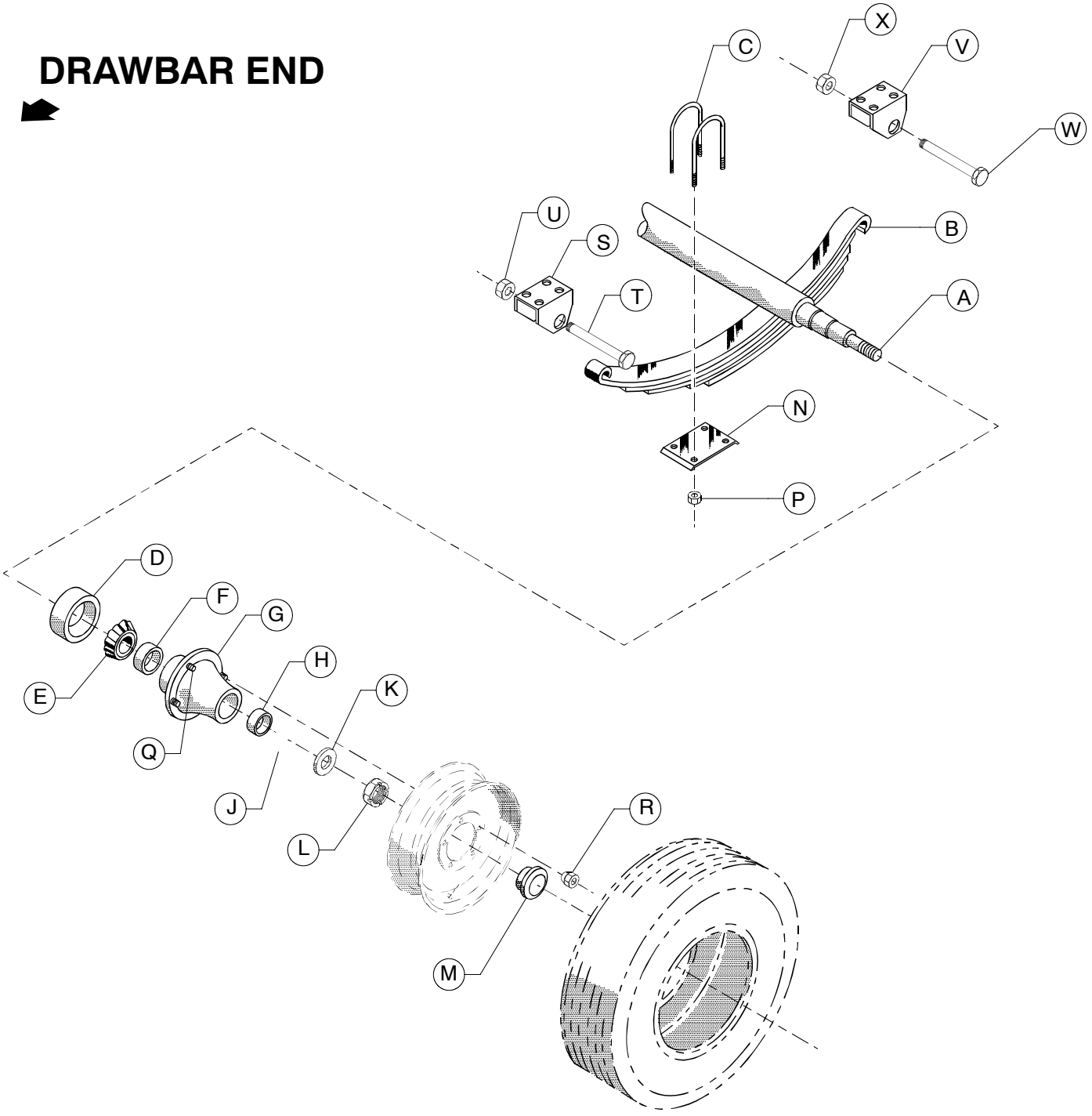


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 11/27/95 bd	DESCRIPTION DRAWBAR COMPLETE	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-004	DATE/REV: 4/96 B

ITEM	C.P.N.	QTY	DESCRIPTION	
A	36876621	1	DRAWBAR	
B	36879302	4	SCREW, FLG HD M16 X 50	
C	36879211	8	NUT, HEX FLG M16	
D	36757284	1	CHANNEL, 3POS MTG	
E	35610377	2	CHAIN, SAFETY	
F	35372432	2	LINK, COUPLING	
G	36752228	1	JACK ASSEMBLY	**{PRIOR TO S/N 309681}**
	54443577	1	JACK ASSEMBLY	**{BEGIN WITH S/N 309681}**
H	35609544	1	PIN, QUICK RELEASE	
J	35605187	1	PINTLE EYE	
K	35376094	2	SCREW, HEX M16 X 200	
L	96700885	4	NUT, HEX M16	
M	39179072	4	SCREW, HEX M16 X 50	

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
11/27/95 bd	DRAWBAR COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-005	4/00 C

DRAWBAR END



RUNNING GEAR COMPLETE
PART NO. 36877173
DEXTER 6-LUG
PRIOR TO S/N 320787

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	RUNNING GEAR COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-006	2/96 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	35390004	1	AXLE
B	35315126	2	SPRING
C	35360734	4	U-BOLT
D	35316868	2	GREASE SEAL
E	35316876	2	BEARING CONE
F	35316884	2	BEARING CUP
G	35318823	2	HUB with CUPS & STUDS
H	35318831	2	BEARING CUP
J	35318849	2	BEARING CONE
K	35315209	2	SPINDLE WASHER
L	35315217	2	SPINDLE NUT
M	35379395	2	GREASE CAP
N	35315241	2	TIE PLATE
P	35315258	8	NUT
Q	35361898	12	WHEEL STUD
R	35315274	12	WHEEL NUT
S	35326958	2	FRONT HANGER
T	35315340	2	SHACKLE BOLT
U	35315357	2	SHACKLE NUT
V	35326966	2	REAR HANGER
W	35315365	2	KEEPER BOLT
X	35315373	2	KEEPER NUT

RUNNING GEAR COMPLETE
PART NO. 36877173
DEXTER 6-LUG
PRIOR TO S/N 320787

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	RUNNING GEAR COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-007	2/96 A

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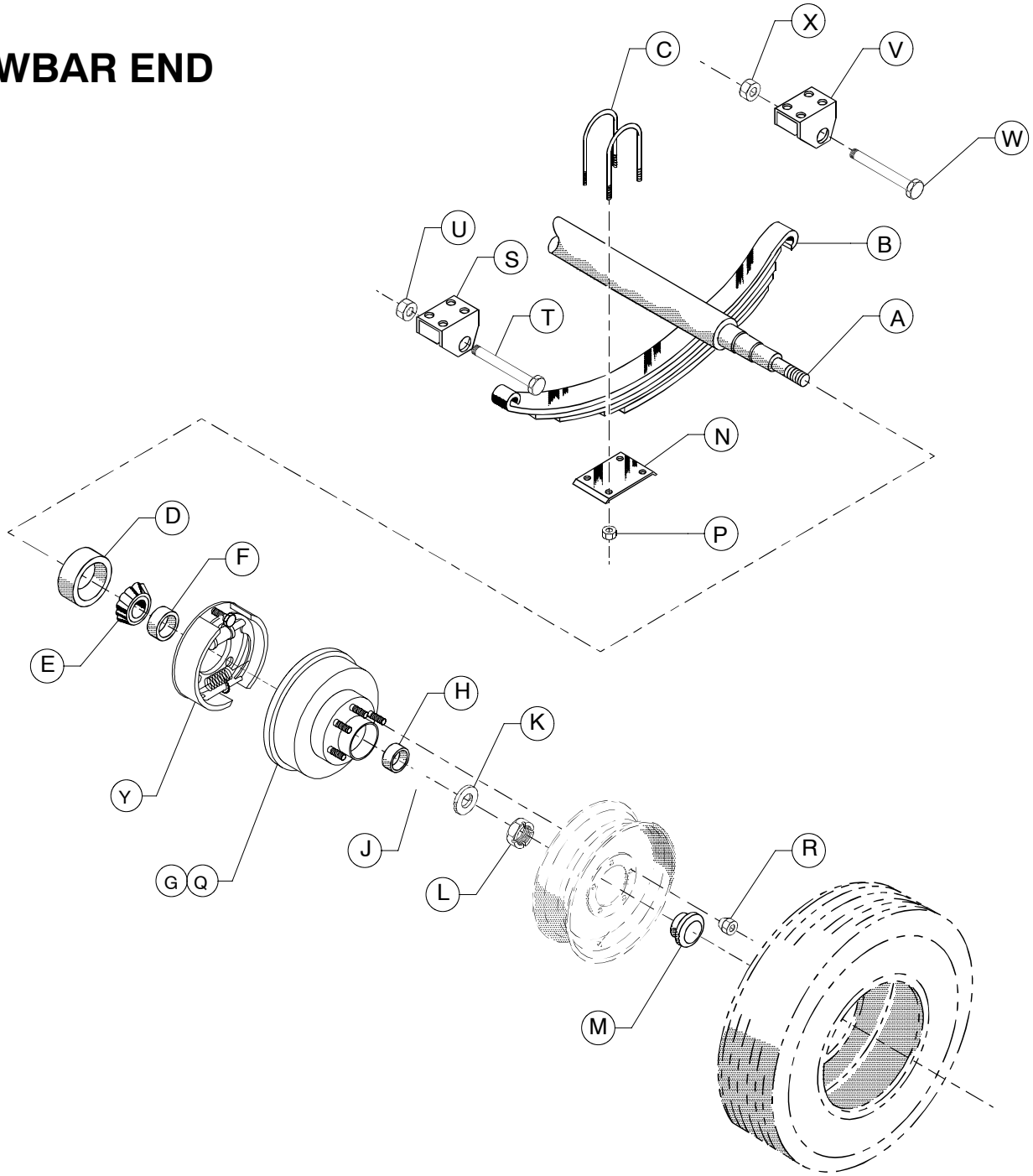


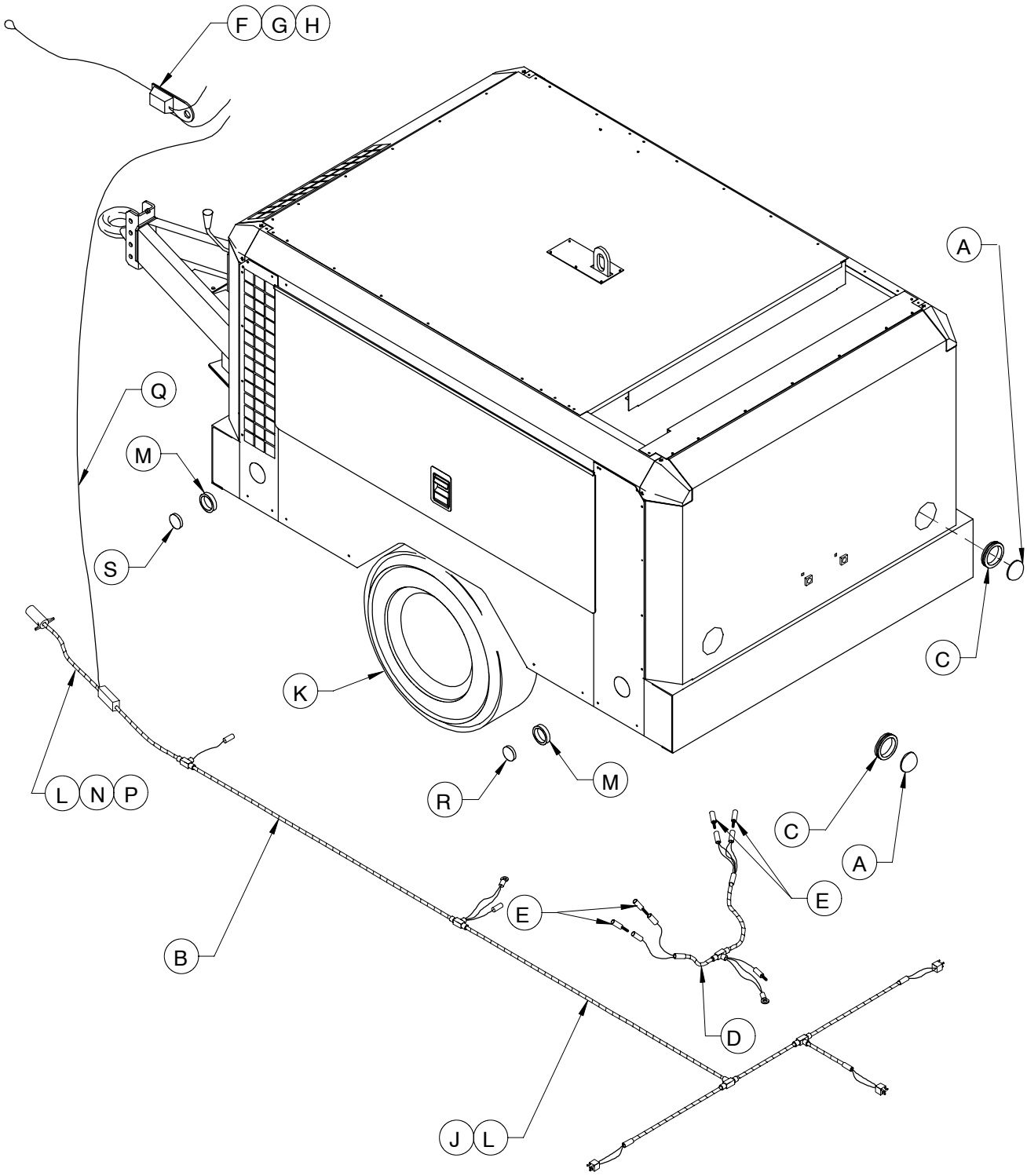
BEGIN with S/N 320787

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
3/12/96 bd	ELEC BRAKE AXLE	
MODEL NO.	MANUAL NO.	DATE/REV:
OMEGA	35392877-006	4/01 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	35390004	1	AXLE
B	35315126	2	SPRING
C	35360734	4	U-BOLT
D	35316868	2	GREASE SEAL
E	35316876	2	BEARING CONE
F	35316884	2	BEARING CUP
G	35390459	2	HUB with STUDS
H	35318831	2	BEARING CUP
J	35318849	2	BEARING CONE
K	35315209	2	SPINDLE WASHER
L	35315217	2	SPINDLE NUT
M	35379395	2	GREASE CAP
N	35315241	2	TIE PLATE
P	35315258	8	NUT
Q	35361898	12	WHEEL STUD
R	35315274	12	WHEEL NUT
S	35326958	2	FRONT HANGER
T	35315340	2	SHACKLE BOLT
U	35315357	2	SHACKLE NUT
V	35326966	2	REAR HANGER
W	35315365	2	KEEPER BOLT
X	35315373	2	KEEPER NUT
Y	35390814	1	LH BRAKE ASSEMBLY
	35390822	1	RH BRAKE ASSEMBLY

BEGIN with S/N 320787

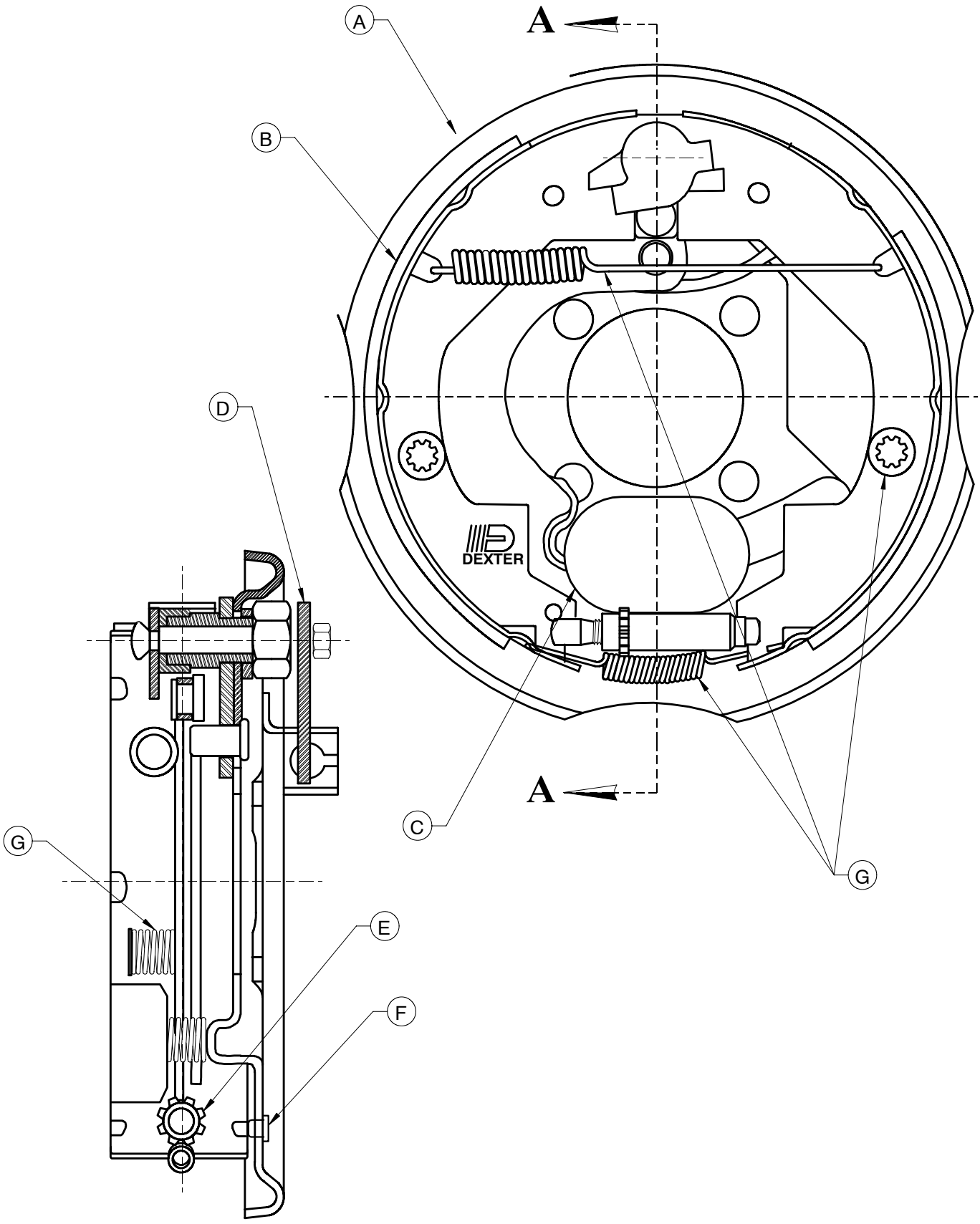
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/11/96 bd	DESCRIPTION ELEC BRAKE AXLE	
MODEL NO. OMEGA	MANUAL NO. 35392877-007	DATE/REV: 4/01 B



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
3/12/96 bd	ELEC BRK w/ 2-LIGHT ASSY	
MODEL NO.	MANUAL NO.	DATE/REV:
OMEGA	35392877-008	4/01 C

ITEM	C.P.N.	QTY	DESCRIPTION
A	36788081	4	TAIL LIGHT
B	36895878	1	HARNESS, TAIL LIGHT
C	36787968	4	GROMMET
D	36895282	1	HARNESS, ELECTRIC BRAKE
E	35375427	4	TERMINAL, SNAP
F	35315944	1	SWITCH, BREAKAWAY
G	37140365	1	TERMINAL, SPLICE
H	35346337	1	TERMINAL, LUG
J	35253038	4	CLAMP, 3/8
K	36881225	1	GEAR, ELEC BRAKE w/ RUNNING
L	92368687	4	SCREW, TAPPING M06-100 X 14
M	36893634	4	GROMMET, CLEARANCE LIGHT
N	36789261	1	HARNESS, 6 CONDUCTOR CABLE (STD LENGTH DRAWBAR)
	36787216	1	HARNESS, 6 CONDUCTOR CABLE (EXTENDED LENGTH DRAWBAR)
P	35225093	2	CLAMP, 1/2
Q	35120005	40”	WIRE, 14 GA BLACK
R	35367044	2	LIGHT, RED CLEARANCE
S	35367051	2	LIGHT, YELLOW CLEARANCE

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/12/96 bd	DESCRIPTION: ELEC BRK w/ 2-LIGHT ASSY	
MODEL NO.: OMEGA	MANUAL NO.: 35392877-009	DATE/REV: 4/01 C

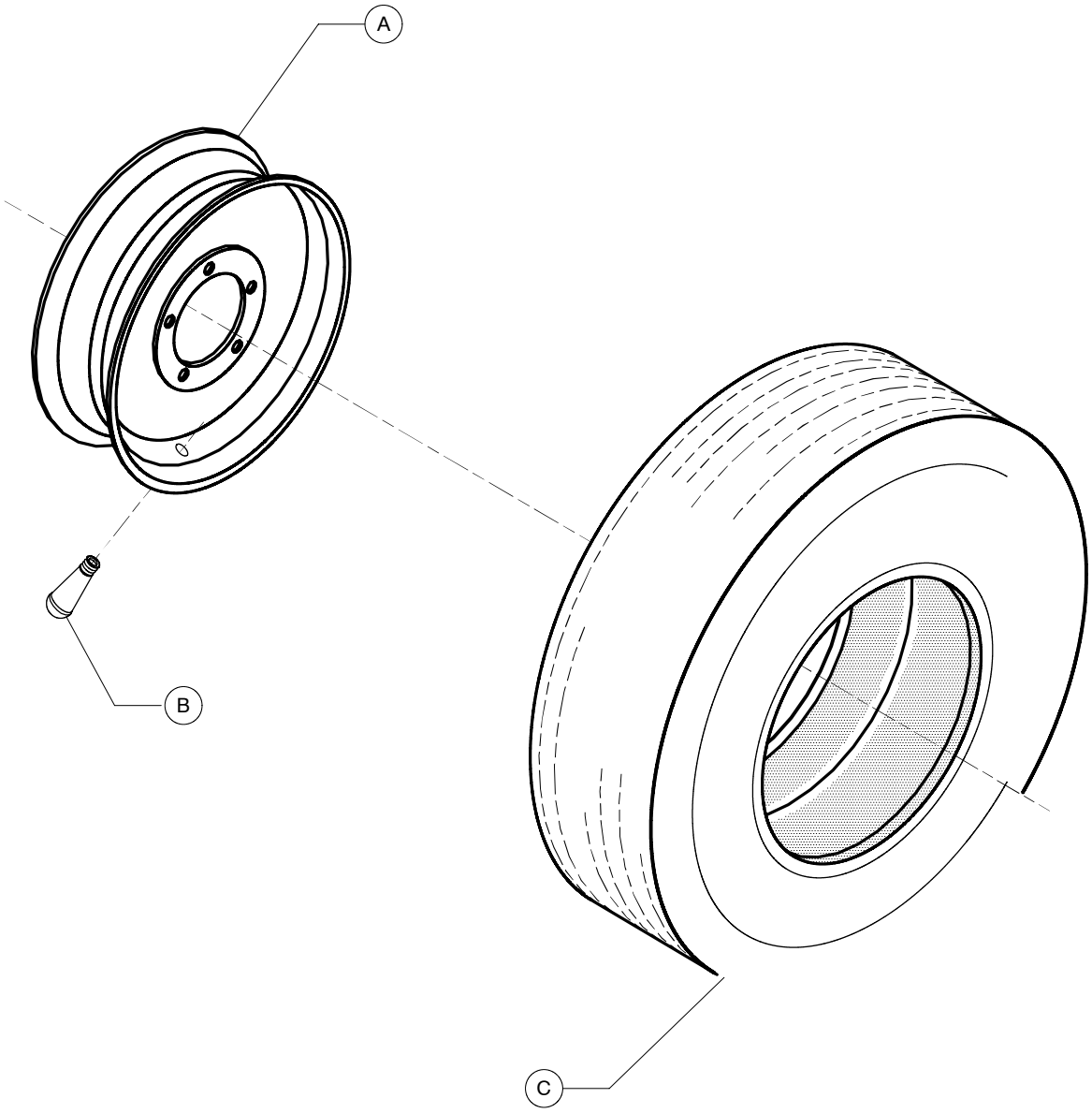


SECTION A - A

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
3/12/96 bd	ELEC BRAKE SHOE	
MODEL NO.	MANUAL NO.	DATE/REV:
OMEGA	35392877-010	4/01 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	35390830	1	LH BACKING PLATE ASSEMBLY
	35390848	1	RH BACKING PLATE ASSEMBLY
B	35360734	1	LH BRAKE SHOE KIT
	35316868	1	RH BRAKE SHOE KIT
C	35316876	2	MAGNET KIT
D	35390913	2	PARKING BRAKE LEVER
E	35391010	2	ADJUSTING SCREW ASSEMBLY
F	35391069	2	ADJUSTING SLOT PLUG
G	35318849	2	BRAKE SPRING KIT

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/11/96 bd	DESCRIPTION: ELEC BRAKE SHOE	
MODEL NO.: OMEGA	MANUAL NO.: 35392877-011	DATE/REV: 4/01 B



TIRE AND WHEEL ASSEMBLY 36026268

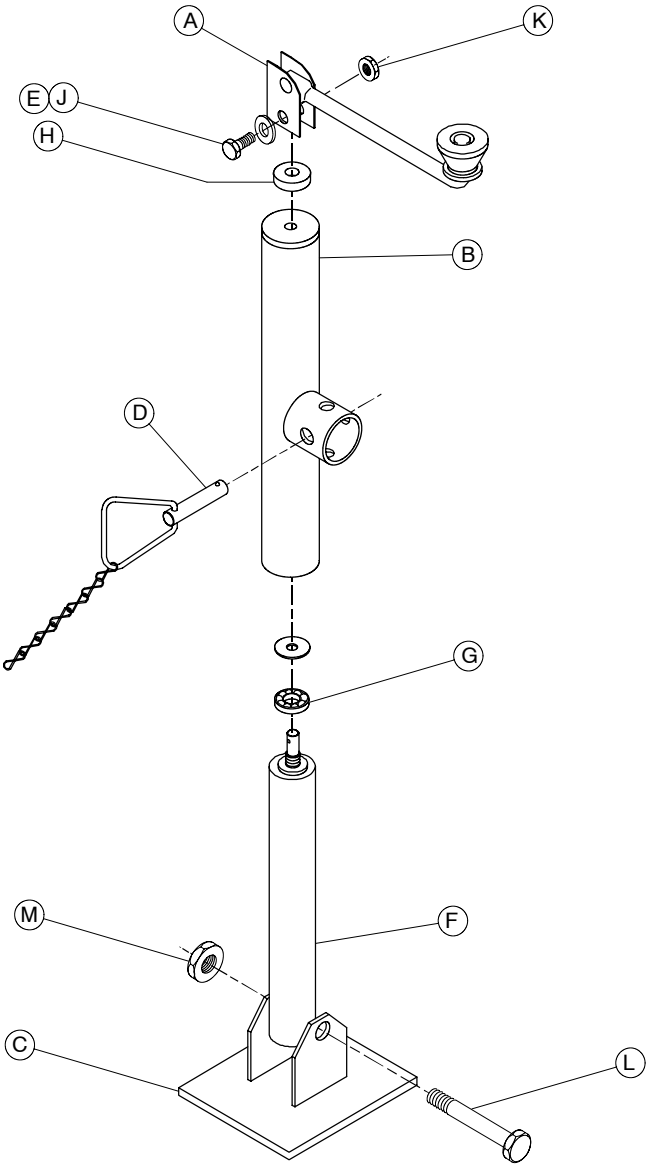
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/23/95 bd	DESCRIPTION TIRE AND WHEEL ASSY.	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-012	DATE/REV: 2/96 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	35318757	1	WHEEL
B	35382565	1	VALVE STEM
C	36846319	1	TIRE

TIRE AND WHEEL ASSEMBLY 36026268

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/23/95 bd	TIRE AND WHEEL ASSY.	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-013	2/96 A

{PRIOR TO S/N 309681}



JACK ASSEMBLY 36752228

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7/29/93 bd	DESCRIPTION JACK ASSEMBLY	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-014	DATE/REV: 2/96 B

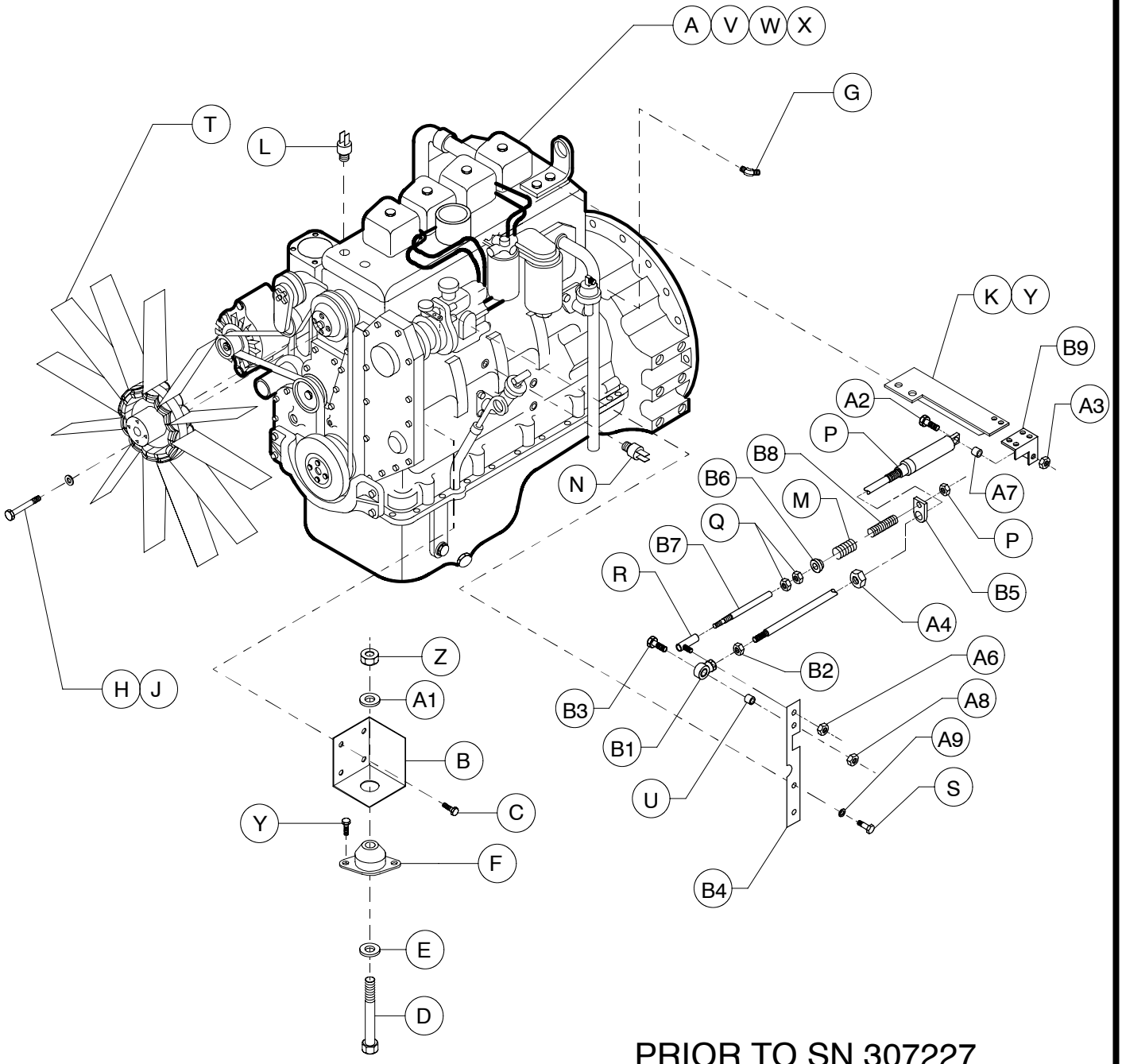
ITEM	C.P.N.	QTY	DESCRIPTION
A	36856383	1	CRANK ASSEMBLY
B	36856409	1	OUTER TUBE ASSEMBLY
C	36856359	1	BASE
D	35609544	1	PIN AND CHAIN ASSEMBLY
E	36856375	1	FLAT WASHER
F	36856391	1	INNER TUBE ASSEMBLY
G	36856367	1	BEARING
H	95935003	1	WASHER
J	95934857	1	SCREW
K	95923298	1	NUT
L	95844213	1	SCREW
M	35324409	1	NUT

{PRIOR TO S/N 309681}

JACK ASSEMBLY 36752228

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7/29/93 bd	JACK ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-015	2/96 B

DRAWBAR END



PRIOR TO SN 307227

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU	35392877-016	11/97 C

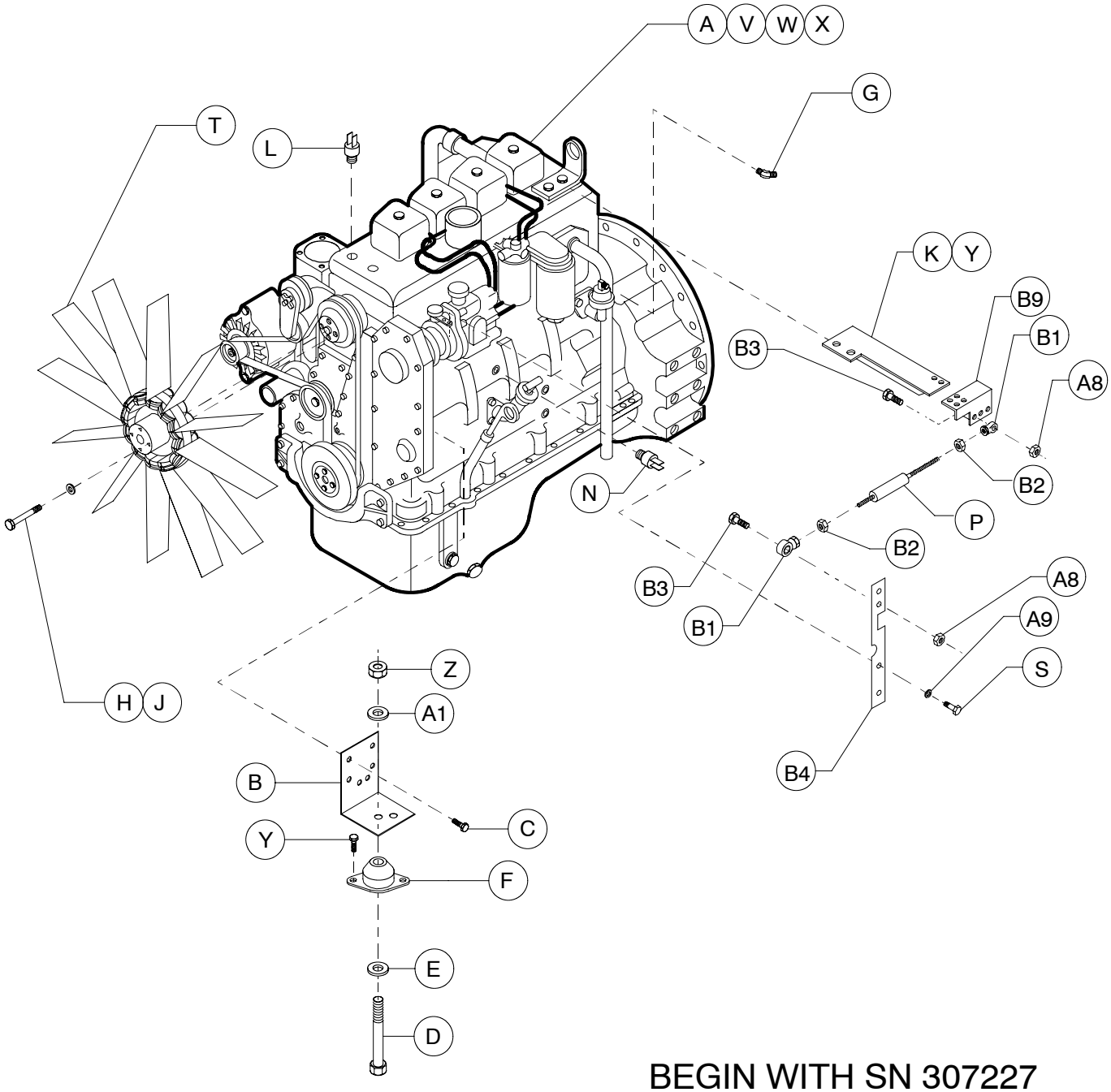
ITEM	C.P.N.	QTY	DESCRIPTION
A	36894251	1	ENGINE
B	36876324	2	MOUNT, ENGINE
C	96701495	6	SCREW, HEX M12-175 X 25
D	36766343	2	SCREW, HEX M10-150 X 60
E	36766319	2	WASHER, SNUBBER
F	36876274	2	ISOLATOR, ENGINE
G	35378538	1	ELBOW, BARBED
H	96705033	4	SCREW, M10-150 X 110
J	96701404	4	WASHER, FLAT M10
K	36895076	1	BRACKET, SPEED CONTROL
L	36880706	1	SWITCH, WATER TEMPERATURE
M	35322411	1	SPRING, COMPRESSION
N	36878379	1	SWITCH, OIL PRESSURE
P	35594225	1	CYLINDER, AIR
Q	95923082	2	NUT, HEX JAM 3/8-24
R	35322635	1	BALL JOINT, 1/4-28
S	35307818	2	SCREW, HEX M06-100 X 10
T	36877967	1	FAN
U	35322452	1	BUSHING, ROD END BEARING
V	35374669	1	FUEL ELEMENT WITH WATER SEPARATOR
W	35374677	1	SECONDARY FUEL ELEMENT
X	35374651	1	OIL FILTER ELEMENT
Y	35279025	6	SCREW, TAPPING M8-125 X 20
Z	35273366	2	NUT, NYLOCK M10
A1	95935037	2	WASHER, FLAT
A2	36761476	1	SCREW, SHOULDER SOC HD 3/8 X 3/4
A3	95923314	1	NUT, HEX LOCK 5/16-28
A4	95923108	1	NUT, HEX JAM 3/4-16
A5	35324664	1	COLLAR, 3/8
A6	95925939	1	NUT, HEX LOCK 1/4-28
A7	35288885	1	BUSHING, 3/8 DIA X 5/8 LG
A8	35144492	1	NUT, HEX LOCK 1/4-20
A9	95925029	2	WASHER, FLAT
B1	35328467	2	BEARING, ROD 7/16-20
B2	95926028	2	NUT, HEX JAM 7/16-20
B3	35145242	1	SCREW, LOCK 1/4-20 X 1 1/4
B4	36892651	1	LEVER, FUEL INJECTION
B5	35322445	1	GUIDE, ROD SPRING
B6	35322437	1	MOUNT, SPRING
B7	35322429	1	ROD, SPRING THROTTLE
B8	35329721	1	SPRING, COMPRESSION
B9	36895068	1	BRACKET, CYLINDER MOUNTING

PRIOR TO SN 307227

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU	35392877-017	4/00 F

DRAWBAR END



BEGIN WITH SN 307227

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU	35392877-016	4/00 D

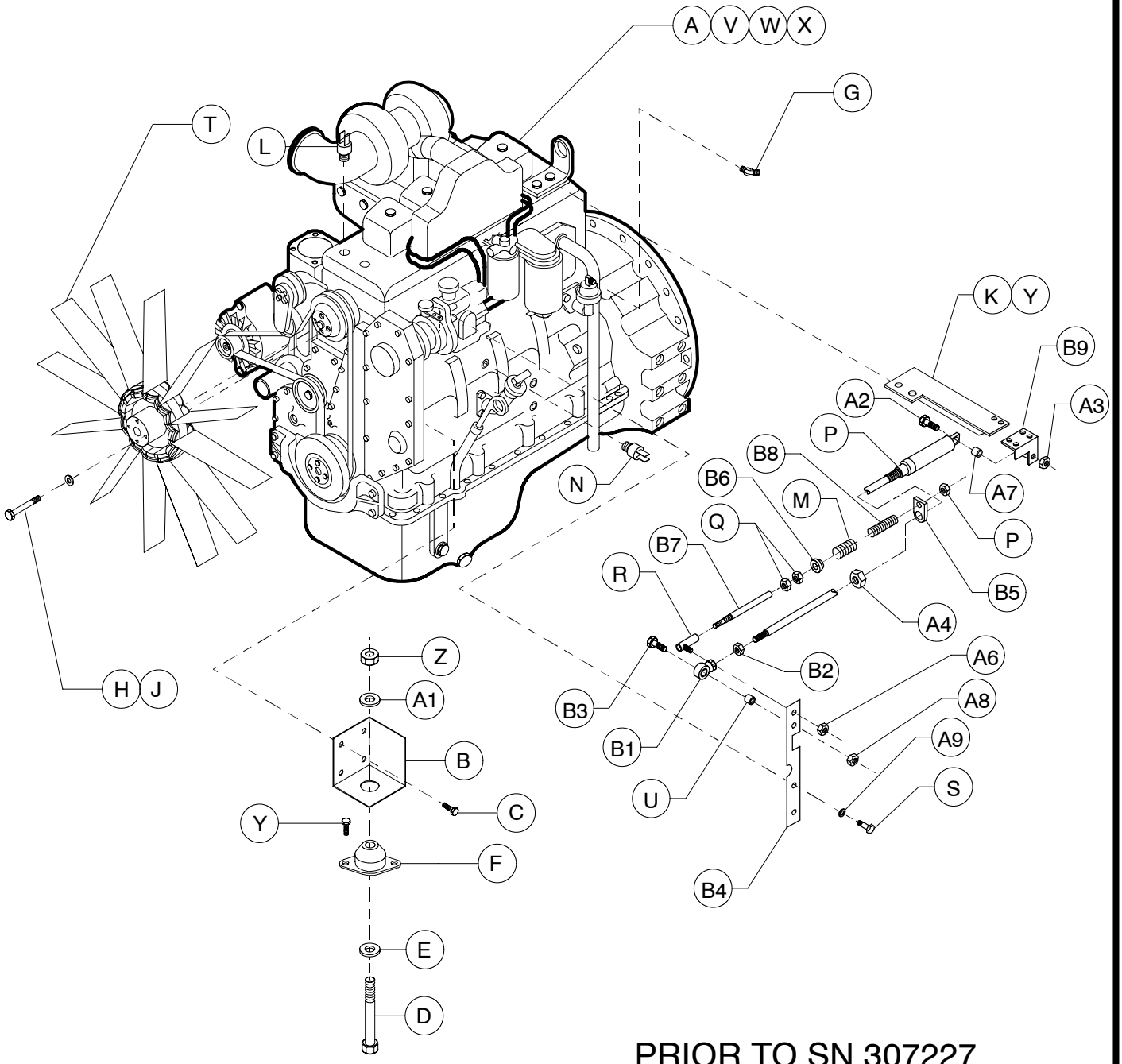
ITEM	C.P.N.	QTY	DESCRIPTION	
A	36894251	1	ENGINE	
B	36876324	2	MOUNT, ENGINE	**{PRIOR TO S/N 308296}**
	54444997	2	MOUNT, ENGINE	**{BEGIN WITH S/N 308296}**
C	96701495	6	SCREW, HEX M12-175 X 25	
D	36766343	2	SCREW, HEX M10-150 X 60	**{PRIOR TO S/N 308296}**
	96739958	2	SCREW, HEX M12-1.75 X 70	**{BEGIN WITH S/N 308296}**
E	36766319	2	WASHER, SNUBBER	**{PRIOR TO S/N 308296}**
	54429295	2	WASHER, SNUBBER	**{BEGIN WITH S/N 308296}**
F	36876274	2	ISOLATOR, ENGINE	**{PRIOR TO S/N 308296}**
	54429303	2	ISOLATOR, ENGINE	**{BEGIN WITH S/N 308296}**
G	35378538	1	ELBOW, BARBED	
H	96705033	4	SCREW, M10-150 X 110	
J	96701404	4	WASHER, FLAT M10	
K	36895076	1	BRACKET, SPEED CONTROL	
L	36880706	1	SWITCH, WATER TEMPERATURE	
M	35322411	1	SPRING, COMPRESSION	
N	36878379	1	SWITCH, OIL PRESSURE	
P	35594225	1	CYLINDER, AIR	**{PRIOR TO S/N 307227}**
	54401120	1	CYLINDER, AIR	**{BEGIN WITH S/N 307227}**
Q	95923082	2	NUT, HEX JAM 3/8-24	**{PRIOR TO S/N 307227}**
R	35322635	1	BALL JOINT, 1/4-28	**{PRIOR TO S/N 307227}**
S	35307818	2	SCREW, HEX M06-100 X 10	
T	36877967	1	FAN	
U	35322452	1	BUSHING, ROD END BEARING	**{PRIOR TO S/N 307227}**
V	35374669	1	FUEL ELEMENT WITH WATER SEPARATOR	
W	35374677	1	SECONDARY FUEL ELEMENT	
X	35374651	1	OIL FILTER ELEMENT	
Y	35279025	6	SCREW, TAPPING M8-125 X 20	
Z	35273366	2	NUT, NYLOCK M10	**{PRIOR TO S/N 308296}**
	35304047	2	NUT, NYLOCK M12-1.75	**{BEGIN WITH S/N 308296}**
A1	95935037	2	WASHER, FLAT	**{PRIOR TO S/N 308296}**
	54429295	2	WASHER, FLAT	**{BEGIN WITH S/N 308296}**
A2	36761476	1	SCREW, SHOULDER SOC HD 3/8 X 3/4	**{PRIOR TO S/N 307227}**
A3	95923314	1	NUT, HEX LOCK 5/16-28	**{PRIOR TO S/N 307227}**
A4	95923108	1	NUT, HEX JAM 3/4-16	**{PRIOR TO S/N 307227}**
A5	35324664	1	COLLAR, 3/8	**{PRIOR TO S/N 307227}**
A6	95925939	1	NUT, HEX LOCK 1/4-28	**{PRIOR TO S/N 307227}**
A7	35288885	1	BUSHING, 3/8 DIA X 5/8 LG	**{PRIOR TO S/N 307227}**
A8	35144492	1	NUT, HEX LOCK 1/4-20	**{PRIOR TO S/N 307227}**
	95923298	2	NUT, HEX LOCK 1/4-20	**{BEGIN WITH S/N 307227}**
A9	95925029	2	WASHER, FLAT	
B1	35328467	2	BEARING, ROD 7/16-20	**{PRIOR TO S/N 307227}**
	35328467	2	BEARING, ROD 7/16-24	**{BEGIN WITH S/N 307227}**
B2	95926028	2	NUT, HEX JAM 7/16-20	**{PRIOR TO S/N 307227}**
	95923074	2	NUT, HEX JAM 7/16-24	**{BEGIN WITH S/N 307227}**
B3	35145242	1	SCREW, LOCK 1/4-20 X 1 1/4	**{PRIOR TO S/N 307227}**
	95934857	2	SCREW, LOCK 1/4-20 X 1 1/4	**{BEGIN WITH S/N 307227}**
B4	36892651	1	LEVER, FUEL INJECTION	
B5	35322445	1	GUIDE, ROD SPRING	**{PRIOR TO S/N 307227}**
B6	35322437	1	MOUNT, SPRING	**{PRIOR TO S/N 307227}**
B7	35322429	1	ROD, SPRING THROTTLE	**{PRIOR TO S/N 307227}**
B8	35329721	1	SPRING, COMPRESSION	**{PRIOR TO S/N 307227}**
B9	36895068	1	BRACKET, CYLINDER MOUNTING	**{PRIOR TO S/N 307227}**
	54401922	1	BRACKET, CYLINDER MOUNTING	**{BEGIN WITH S/N 307227}**

BEGIN WITH SN 307227

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU	35392877-017	7/00 G

DRAWBAR END



PRIOR TO SN 307227

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU	35392877-018	11/97 E

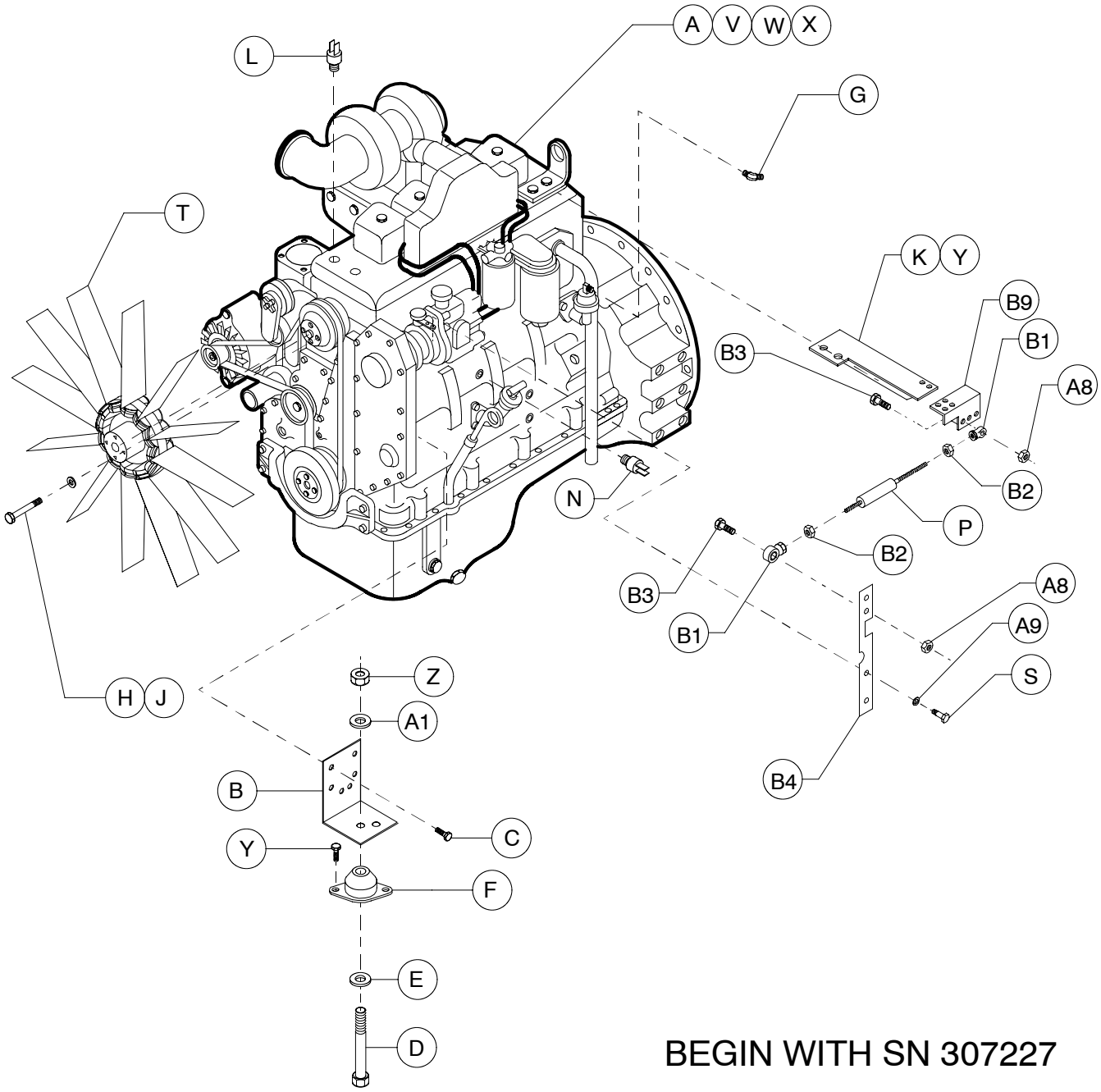
ITEM	C.P.N.	QTY	DESCRIPTION
A	36887891	1	ENGINE
B	36876324	2	MOUNT, ENGINE
C	96701495	6	SCREW, HEX M12-175 X 25
D	36766343	2	SCREW, HEX M10-150 X 60
E	36766319	2	WASHER, SNUBBER
F	36876274	2	ISOLATOR, ENGINE
G	35378538	1	ELBOW, BARBED
H	96705033	4	SCREW, M10-150 X 110
J	95935037	4	WASHER, FLAT M10
K	36895076	1	BRACKET, SPEED CONTROL
L	36880706	1	SWITCH, WATER TEMPERATURE
M	35322411	1	SPRING, COMPRESSION
N	36878379	1	SWITCH, OIL PRESSURE
P	35594225	1	CYLINDER, AIR
Q	95923082	2	NUT, HEX JAM 3/8-24
R	35322635	1	BALL JOINT, 1/4-28
S	35307818	2	SCREW, HEX M06-100 X 10
T	36877983	1	FAN
U	35322452	1	BUSHING, ROD END BEARING
V	35374669	1	FUEL ELEMENT WITH WATER SEPARATOR
W	35374677	1	SECONDARY FUEL ELEMENT
X	35374651	1	OIL FILTER ELEMENT
Y	35279025	6	SCREW, TAPPING M8-125 X 20
Z	35273366	2	NUT, NYLOCK M10
A1	95935037	2	WASHER, FLAT
A2	36761476	1	SCREW, SHOULDER SOC HD 3/8 X 3/4
A3	95923314	1	NUT, HEX LOCK 5/16-28
A4	95923108	1	NUT, HEX JAM 3/4-16
A5	35324664	1	COLLAR, 3/8
A6	95925939	1	NUT, HEX LOCK 1/4-28
A7	35288885	1	BUSHING, 3/8 DIA X 5/8 LG
A8	35144492	1	NUT, HEX LOCK 1/4-20
A9	95925029	2	WASHER, FLAT
B1	35300532	2	BEARING, ROD 7/16-20
B2	95926028	2	NUT, HEX JAM 7/16-20
B3	35145242	1	SCREW, LOCK 1/4-20 X 1 1/4
B4	36892651	1	LEVER, FUEL INJECTION
B5	35322445	1	GUIDE, ROD SPRING
B6	35322437	1	MOUNT, SPRING
B7	35322429	1	ROD, SPRING THROTTLE
B8	35329721	1	SPRING, COMPRESSION
B9	36895068	1	BRACKET, CYLINDER MOUNTING

PRIOR TO SN 307227

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU	35392877-019	11/97 F

DRAWBAR END



BEGIN WITH SN 307227

FOR P375 and HP300 UNITS ONLY

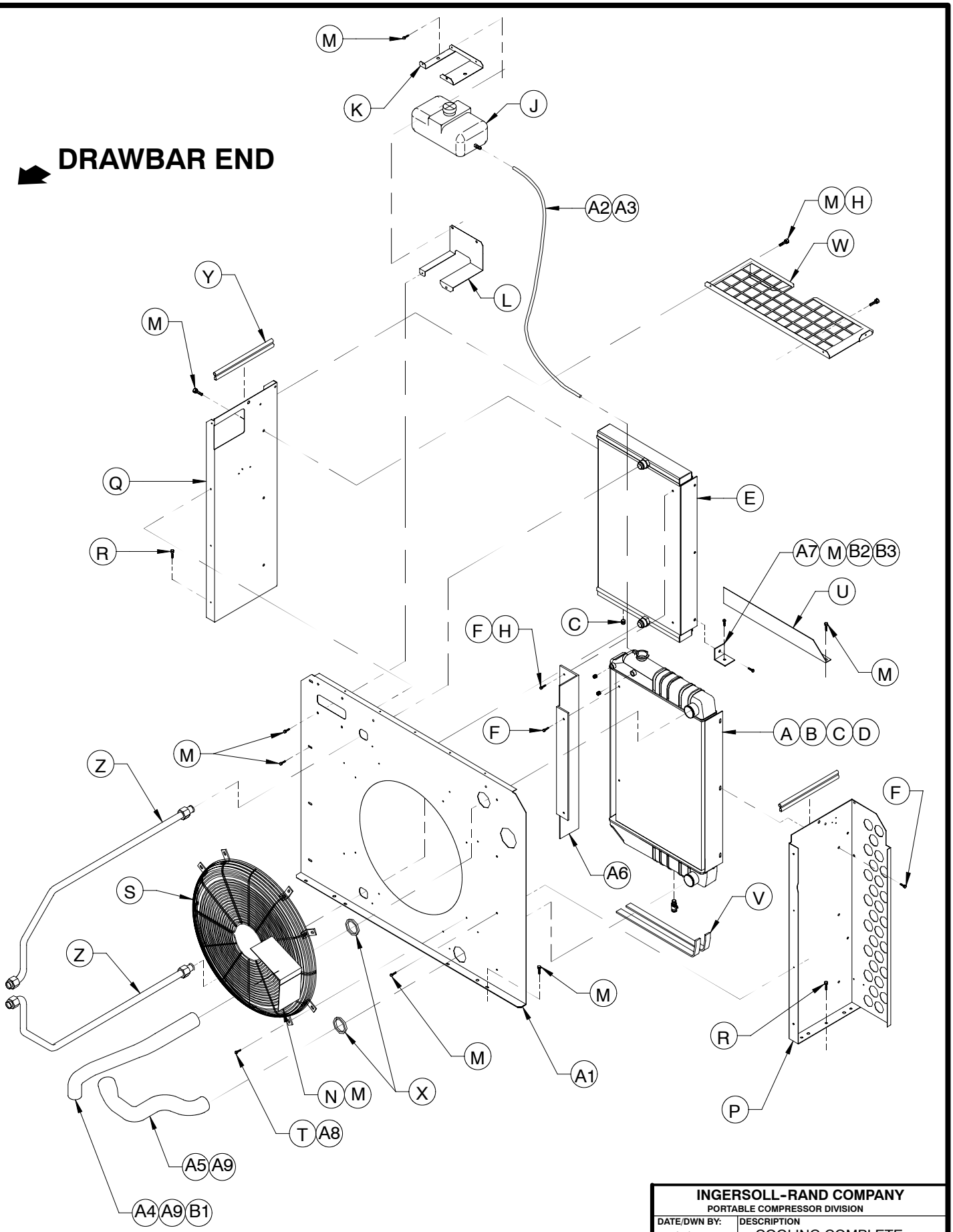
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU	35392877-018	4/00 F

ITEM	C.P.N.	QTY	DESCRIPTION	
A	36887891	1	ENGINE	
B	36876324	2	MOUNT, ENGINE	**{PRIOR TO S/N 308296}**
	54444997	2	MOUNT, ENGINE	**{BEGIN WITH S/N 308296}**
C	96701495	6	SCREW, HEX M12-175 X 25	
D	36766343	2	SCREW, HEX M10-150 X 60	**{PRIOR TO S/N 308296}**
	96739958	2	SCREW, HEX M12-1.75 X 70	**{BEGIN WITH S/N 308296}**
E	36766319	2	WASHER, SNUBBER	**{PRIOR TO S/N 308296}**
	54429295	2	WASHER, SNUBBER	**{BEGIN WITH S/N 308296}**
F	36876274	2	ISOLATOR, ENGINE	**{PRIOR TO S/N 308296}**
	54429303	2	ISOLATOR, ENGINE	**{BEGIN WITH S/N 308296}**
G	35378538	1	ELBOW, BARBED	
H	96705033	4	SCREW, M10-150 X 110	
J	95935037	4	WASHER, FLAT M10	
K	36895076	1	BRACKET, SPEED CONTROL	
L	36880706	1	SWITCH, WATER TEMPERATURE	
M	35322411	1	SPRING, COMPRESSION	
N	36878379	1	SWITCH, OIL PRESSURE	
P	35594225	1	CYLINDER, AIR	**{PRIOR TO S/N 307227}**
	54401120	1	CYLINDER, AIR	**{BEGIN WITH S/N 307227}**
Q	95923082	2	NUT, HEX JAM 3/8-24	**{PRIOR TO S/N 307227}**
R	35322635	1	BALL JOINT, 1/4-28	**{PRIOR TO S/N 307227}**
S	35307818	2	SCREW, HEX M06-100 X 10	
T	36877983	1	FAN	
U	35322452	1	BUSHING, ROD END BEARING	**{PRIOR TO S/N 307227}**
V	35374669	1	FUEL ELEMENT WITH WATER SEPARATOR	
W	35374677	1	SECONDARY FUEL ELEMENT	
X	35374651	1	OIL FILTER ELEMENT	
Y	35279025	6	SCREW, TAPPING M8-125 X 20	
Z	35273366	2	NUT, NYLOCK M10	**{PRIOR TO S/N 308296}**
	35304047	2	NUT, NYLOCK M12-1.75	**{BEGIN WITH S/N 308296}**
A1	95935037	2	WASHER, FLAT	**{PRIOR TO S/N 308296}**
	54429295	2	WASHER, FLAT	**{BEGIN WITH S/N 308296}**
A2	36761476	1	SCREW, SHOULDER SOC HD 3/8 X 3/4	**{PRIOR TO S/N 307227}**
A3	95923314	1	NUT, HEX LOCK 5/16-28	**{PRIOR TO S/N 307227}**
A4	95923108	1	NUT, HEX JAM 3/4-16	**{PRIOR TO S/N 307227}**
A5	35324664	1	COLLAR, 3/8	**{PRIOR TO S/N 307227}**
A6	95925939	1	NUT, HEX LOCK 1/4-28	**{PRIOR TO S/N 307227}**
A7	35288885	1	BUSHING, 3/8 DIA X 5/8 LG	**{PRIOR TO S/N 307227}**
A8	35144492	1	NUT, HEX LOCK 1/4-20	**{PRIOR TO S/N 307227}**
	95923298	2	NUT, HEX LOCK 1/4-20	**{BEGIN WITH S/N 307227}**
A9	95925029	2	WASHER, FLAT	
B1	35300532	2	BEARING, ROD 7/16-20	**{PRIOR TO S/N 307227}**
	35328467	2	BEARING, ROD 7/16-24	**{BEGIN WITH S/N 307227}**
B2	95926028	2	NUT, HEX JAM 7/16-20	**{PRIOR TO S/N 307227}**
	95923074	2	NUT, HEX JAM 7/16-24	**{BEGIN WITH S/N 307227}**
B3	35145242	1	SCREW, LOCK 1/4-20 X 1 1/4	**{PRIOR TO S/N 307227}**
	95934857	2	SCREW, LOCK 1/4-20 X 1 1/4	**{BEGIN WITH S/N 307227}**
B4	36892651	1	LEVER, FUEL INJECTION	
B5	35322445	1	GUIDE, ROD SPRING	**{PRIOR TO S/N 307227}**
B6	35322437	1	MOUNT, SPRING	**{PRIOR TO S/N 307227}**
B7	35322429	1	ROD, SPRING THROTTLE	**{PRIOR TO S/N 307227}**
B8	35329721	1	SPRING, COMPRESSION	**{PRIOR TO S/N 307227}**
B9	36895068	1	BRACKET, CYLINDER MOUNTING	**{PRIOR TO S/N 307227}**
	54401922	1	BRACKET, CYLINDER MOUNTING	**{BEGIN WITH S/N 307227}**

BEGIN WITH SN 307227

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	ENGINE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU	35392877-019	7/00 G

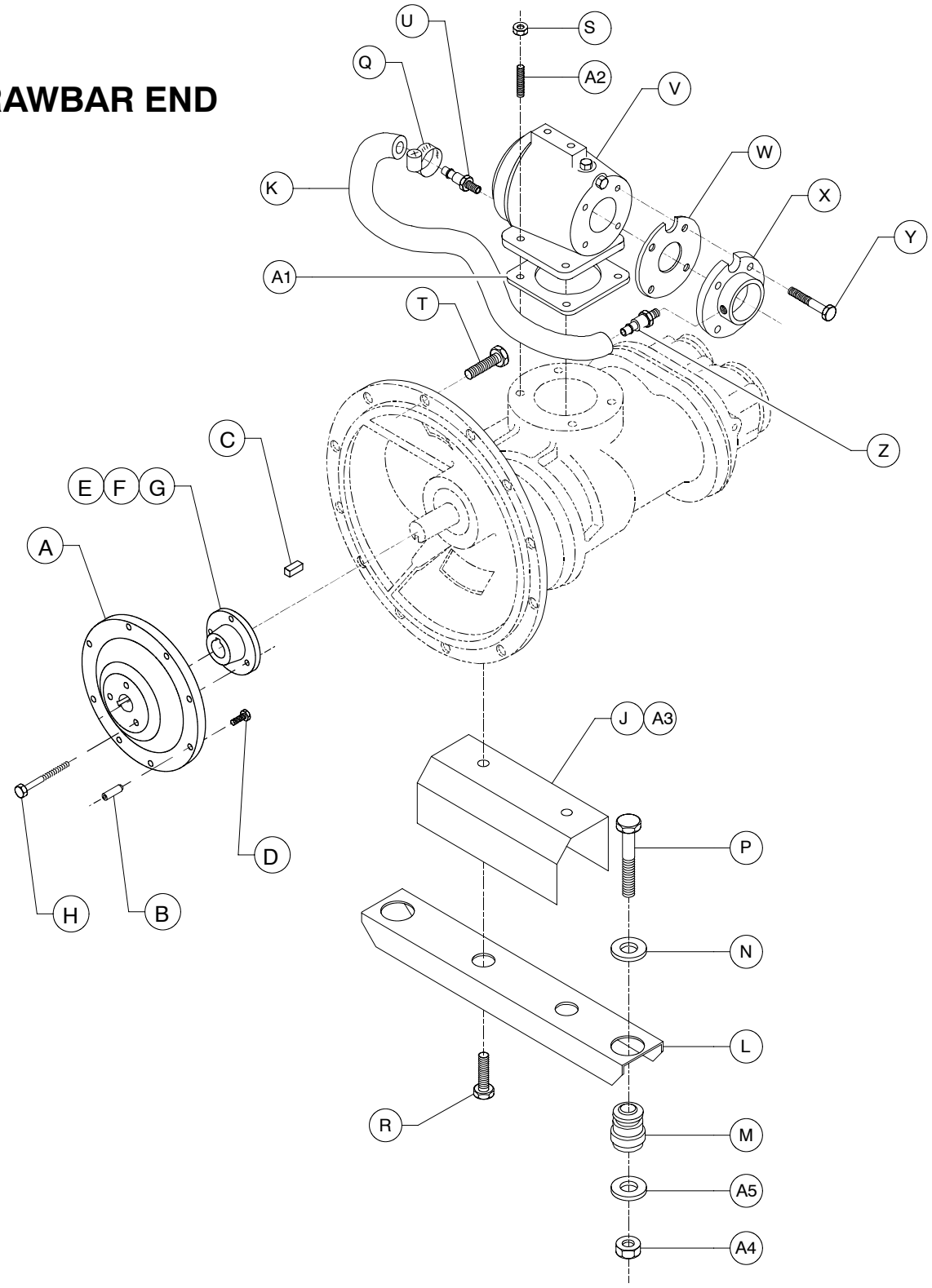


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/6/95 bd	DESCRIPTION COOLING COMPLETE	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-020	DATE/REV: 3/97 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	36876233	1	RADIATOR [P250 ONLY]
	36887651	1	RADIATOR [P300 & P375 ONLY]
B	36769560	1	CAP, RADIATOR
C	95928230	3	PLUG
D	30641278	1	COCK, DRAIN 1/4NPT
E	36876241	1	COOLER, OIL [P250 ONLY]
	36887669	1	COOLER, OIL [P300 & P375 ONLY]
F	96702055	10	SCREW, HEX M8-125 X 20
G	96700869	3	NUT, HEX M8
H	95934998	5	WASHER, FLAT 3/8”
J	36782043	1	BOTTLE, OVERFLOW
K	36877009	1	SUPPORT, TOP BOTTLE
L	36877157	1	SUPPORT, BOTTOM BOTTLE
M	36797652	27	SCREW, TAPPING M6-100 X 12
N	36881126	1	GUARD, BELT
P	36877215	1	SUPPORT, RADIATOR SIDE
Q	36876977	1	SUPPORT, OIL COOLER SIDE
R	35279025	6	SCREW, TAPPING M8-125 X 20
S	36878262	1	GUARD, FAN
T	35300771	8	SCREW, TAPPING M6-100 X 20
U	36878205	1	PLATE, BAFFLE [P250 ONLY]
V	35140409	42.5 in.	FOAM (2 PCS @ 21.25”) [P250 ONLY]
	35140409	143 in.	FOAM (4 PCS @ 35.75”) [P300 & P375 ONLY]
W	36879179	1	GUARD, COOLER
X	36878221	2	GROMMET, RADIATOR HOSE
Y	36879765	2	STRIP, SEAL
Z	36877652	2	TUBE, OIL [P250 ONLY]
	36887917	2	TUBE, OIL [P300 & P375 ONLY]
A1	36876985	1	PLATE, FAN ORIFICE P250
	36876993	1	PLATE, FAN ORIFICE P300/P375
A2	35360775	17 in.	HOSE, OVERFLOW
A3	35296342	2	CLAMP
A4	36877884	1	HOSE, TOP RADIATOR (WCU ONLY)
	36877892	1	HOSE, TOP RADIATOR (WJD ONLY)
A5	36877900	1	HOSE, BOTTOM RADIATOR (WCU ONLY)
	36877918	1	HOSE, BOTTOM RADIATOR (WJD ONLY)
A6	36888261	1	BRACKET, RAD TO O/C [P300 & P375 ONLY]
A7	36888105	2	BRACKET, RESTRAINING [P300 & P375 ONLY]
A8	95935029	8	WASHER, FLAT
A9	35221639	4	CLAMP
B1	35222017	1	CLAMP [P300 & P375 WCU ONLY]
B2	35144336	1	SCREW, LOCKING 5/16-18 X 3/4 [P300 & P375 ONLY]
B3	35252600	1	NUT, LOCK 5/16-18 [P300 & P375 ONLY]

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/6/95 bd	DESCRIPTION: COOLING COMPLETE	
MODEL NO.: P250WCU/JD P375WCU/JD	MANUAL NO.: 35392877-021	DATE/REV: 3/97 C

DRAWBAR END



FOR P250 UNITS ONLY

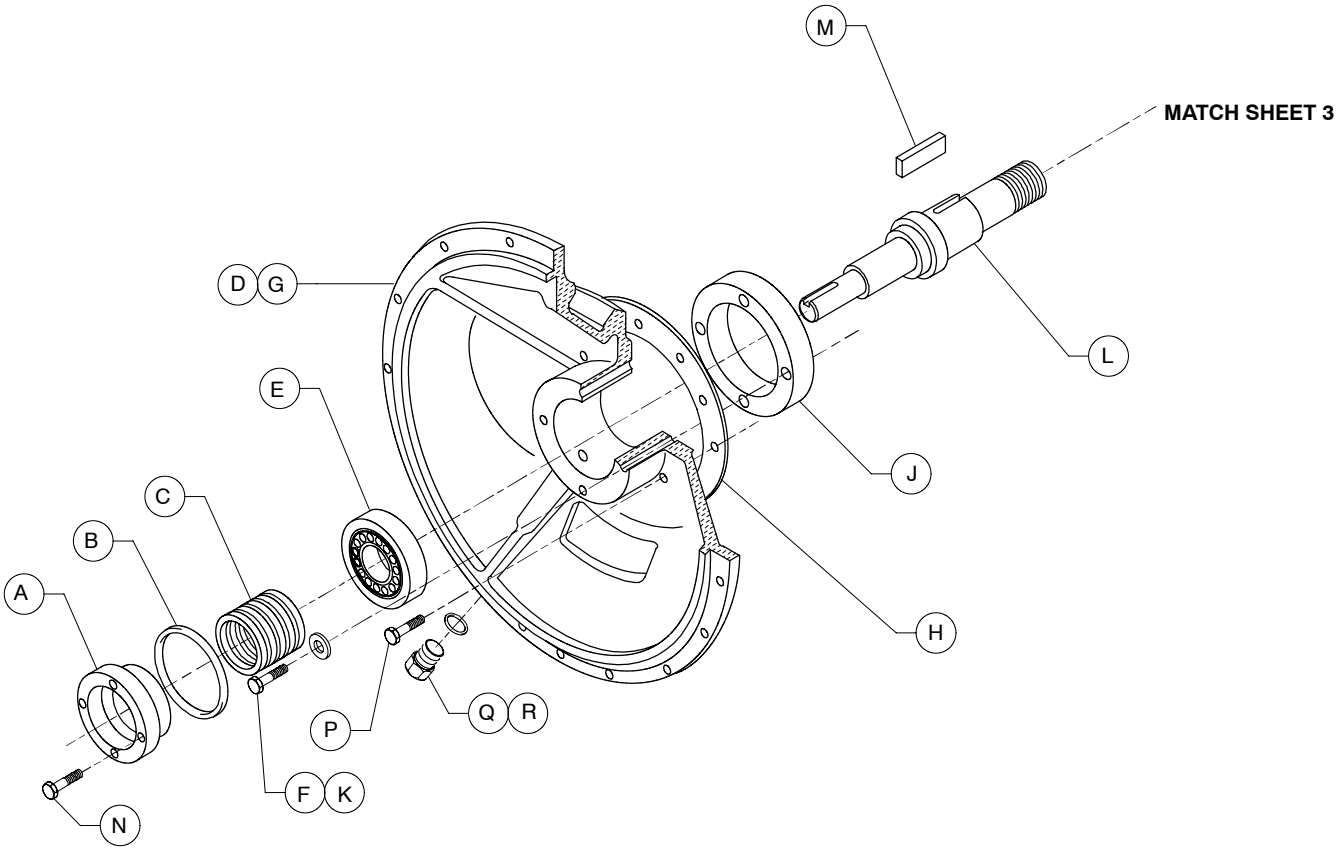
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/11/95 bd	DESCRIPTION AIR END COMPLETE	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-022	DATE/REV: 2/97 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	36774321	1	COUPLING
B	35329887	8	COUPLING, DRIVE
C	35321421	1	KEY
D	95055307	8	SCREW, CAP 3/8-16 X 2
E	36863389	1	BUSHING
F	95065660	3	SCREW, SET 1/4-20 X 1/2
G	95065538	1	SCREW, SET 5/16-18 X 1/2
H	95934840	3	SCREW,HEX 5/16-18 X 2 3/4
J	35279025	6	SCREW, TAPPING M08-125 X 20
K	35282292	14”	TUBING
L	36877199	1	A/E SUPPORT BRACKET
M	35318229	2	MOUNT
N	35327212	2	WASHER
P	96701503	2	SCREW, HEX M16-200 X 90
Q	35377621	2	CLAMP
R	35375591	2	SCREW, HEX M16-200 X 30
S	96700885	4	NUT, HEX M16
T	35374842	12	SCREW, HEX M10-150 X 25 (WCU ONLY)
	95920682	12	SCREW, HEX 3/8-16 X 1 1/4 (WJD ONLY)
U	35323542	1	FITTING
V	35060631	1	UNLOADER ASSEMBLY
W	35588318	1	GASKET
X	35588532	1	INLET FLANGE
Y	96702048	4	SCREW, HEX M08-125 X 16
Z	35316587	1	FITTING
A1	35589589	1	GASKET
A2	35323450	4	STUD
A3	36877249	1	SUPPORT, AIR END
A4	96704630	2	NUT, NYLOCK M16
A5	95935052	2	WASHER, FLAT

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/11/95 bd	DESCRIPTION AIR END COMPLETE	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-023	DATE/REV: 2/97 B

DRAWBAR END



127.5 mm AIREND ASSEMBLY 36006005
FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/24/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-024	DATE/REV: 2/96 D

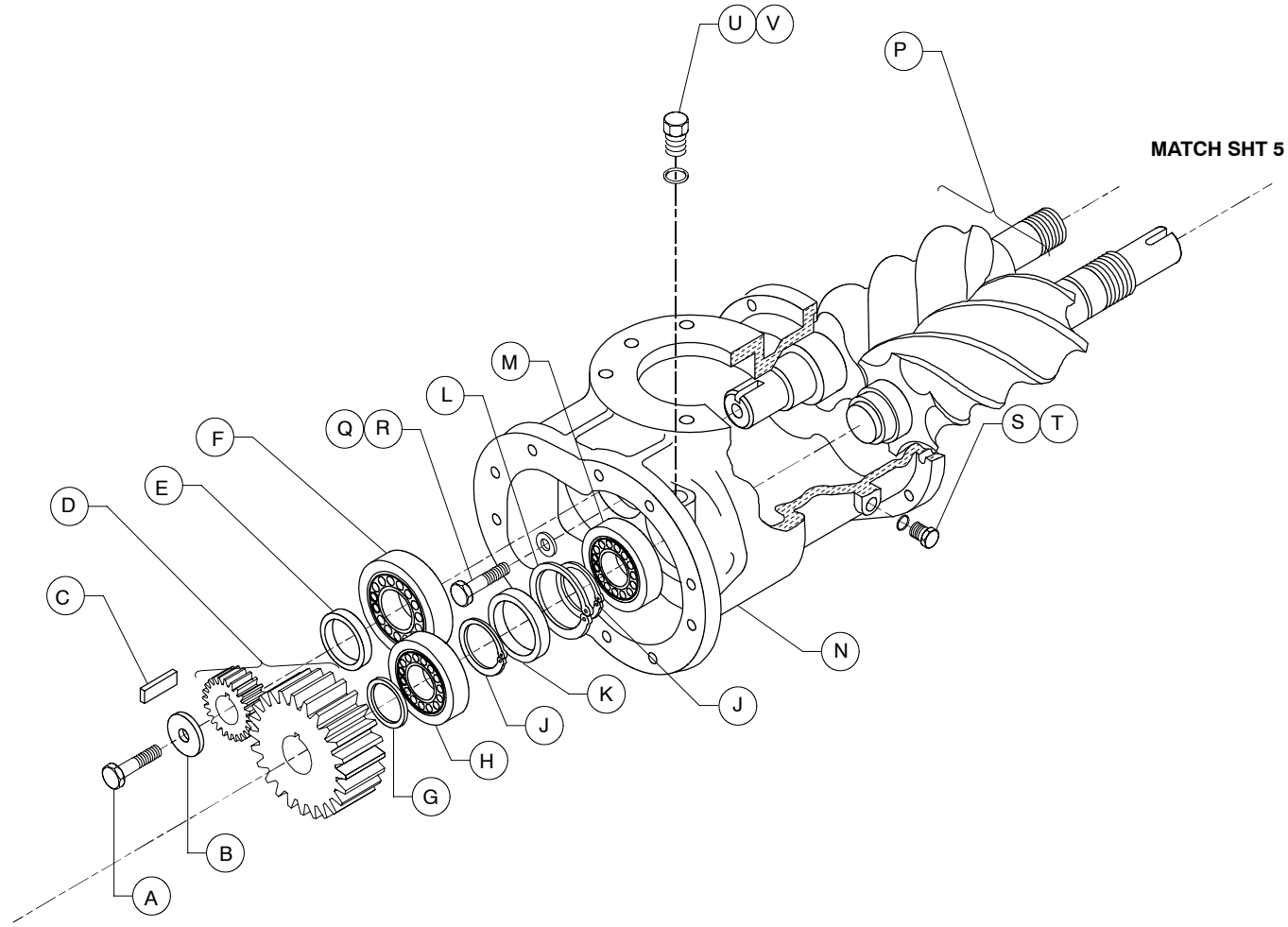
ITEM	C.P.N.	QTY	DESCRIPTION
A	35328475	1	COVER, SHAFT SEAL
B	20A11C2M234	1	O-RING
C	35593490	1	OIL SEAL
D	36798346	2	GUARD
E	35327543	1	BEARING, BALL
F	35317148	4	SCREW
G	36736148	1	CASE, GEAR
H	35849066	1	GASKET, GEAR CASE
J	35599596	1	PLATE, RETAINING
K	X1026T45	4	WASHER
L	35853001	1	SHAFT, DRIVE
M	35317361	1	KEY, DRIVE GEAR
N	34M2AB412	4	SCREW
P	35272533	10	SCREW
Q	35289057	1	PLUG
R	35279959	1	O-RING

127.5 mm AIREND ASSEMBLY 36006005
FOR P250 UNITS ONLY

*** EXCHANGE AIREND OPTION:** INGERSOLL-RAND OFFERS FACTORY REMANUFACTURED AIRENDS THAT ARE BUILT TO THE LATEST DESIGNS. MEANING IT WILL REFLECT ALL THE ENGINEERING UPGRADES AND PERFORMANCE ENHANCEMENTS MADE TO THAT SIZE UNIT. ALL EXCHANGE AIRENDS COME WITH A ONE YEAR WARRANTY. THESE BENEFITS MAKE A FACTORY REBUILT AIREND THE ONLY COST EFFECTIVE OPTION. CALL YOUR LOCAL IR DEALER FOR MORE DETAILS. PLEASE PROVIDE YOUR AIREND SERIAL NUMBER.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/24/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-025	DATE/REV: 2/96 C

DRAWBAR END



MATCH SHEET 1

127.5 mm AIREND ASSEMBLY 36006005
FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/24/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-026	DATE/REV: 2/96 D

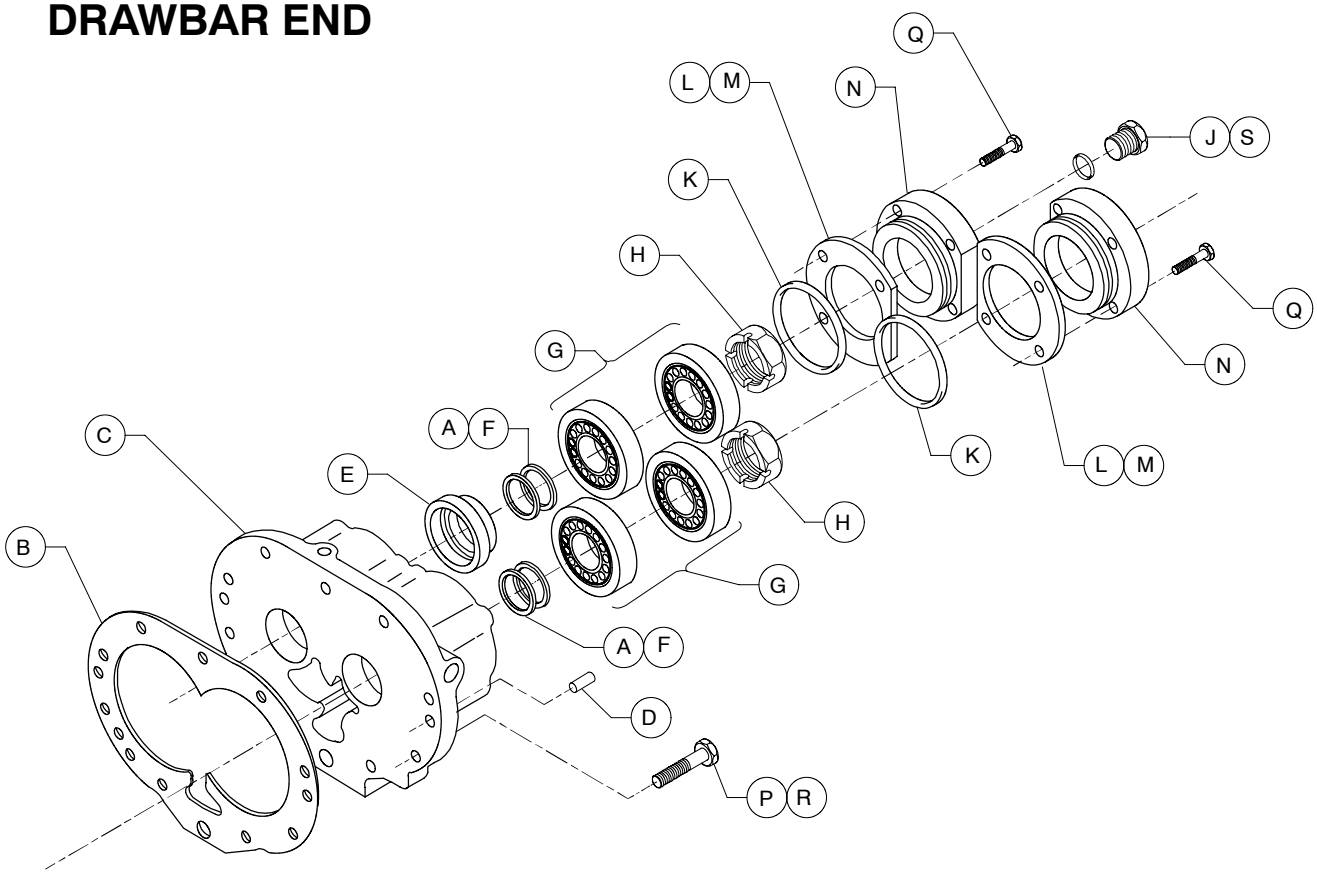
ITEM	C.P.N.	QTY	DESCRIPTION
A	34M2AB411	1	SCREW
B	35317155	1	PLATE, CLAMP
C	35317379	1	KEY, DRIVEN GEAR
D	35317387	1	SET, GEAR
E	35316801	1	SPACER
F	35317395	1	BEARING, ROLLER
G	35287614	1	SPACER
H	35289180	1	BEARING, ROLLER
J	164A13S156	2	RING, RETAINING
K	35316819	1	RING, SPACER
L	161A13S315	1	RING, RETAINING
M	35313527	1	BEARING, ROLLER
N	36785111	1	HOUSING, ROTOR
P	36005999	1	SET, ROTOR
Q	35317106	2	SCREW
R	35317114	2	WASHER
S	35289057	1	PLUG
T	35279959	1	O-RING
U	39101449	2	PLUG
V	35278589	1	O-RING

127.5 mm AIREND ASSEMBLY 36006005
FOR P250 UNITS ONLY

*** EXCHANGE AIREND OPTION:** INGERSOLL-RAND OFFERS FACTORY REMANUFACTURED AIRENDS THAT ARE BUILT TO THE LATEST DESIGNS. MEANING IT WILL REFLECT ALL THE ENGINEERING UPGRADES AND PERFORMANCE ENHANCEMENTS MADE TO THAT SIZE UNIT. ALL EXCHANGE AIRENDS COME WITH A ONE YEAR WARRANTY. THESE BENEFITS MAKE A FACTORY REBUILT AIREND THE ONLY COST EFFECTIVE OPTION. CALL YOUR LOCAL IR DEALER FOR MORE DETAILS. PLEASE PROVIDE YOUR AIREND SERIAL NUMBER.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/24/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-027	DATE/REV: 2/96 C

DRAWBAR END



MATCH SHEET 3

127.5 mm AIREND ASSEMBLY 36006005
FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/24/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-028	DATE/REV: 2/96 D

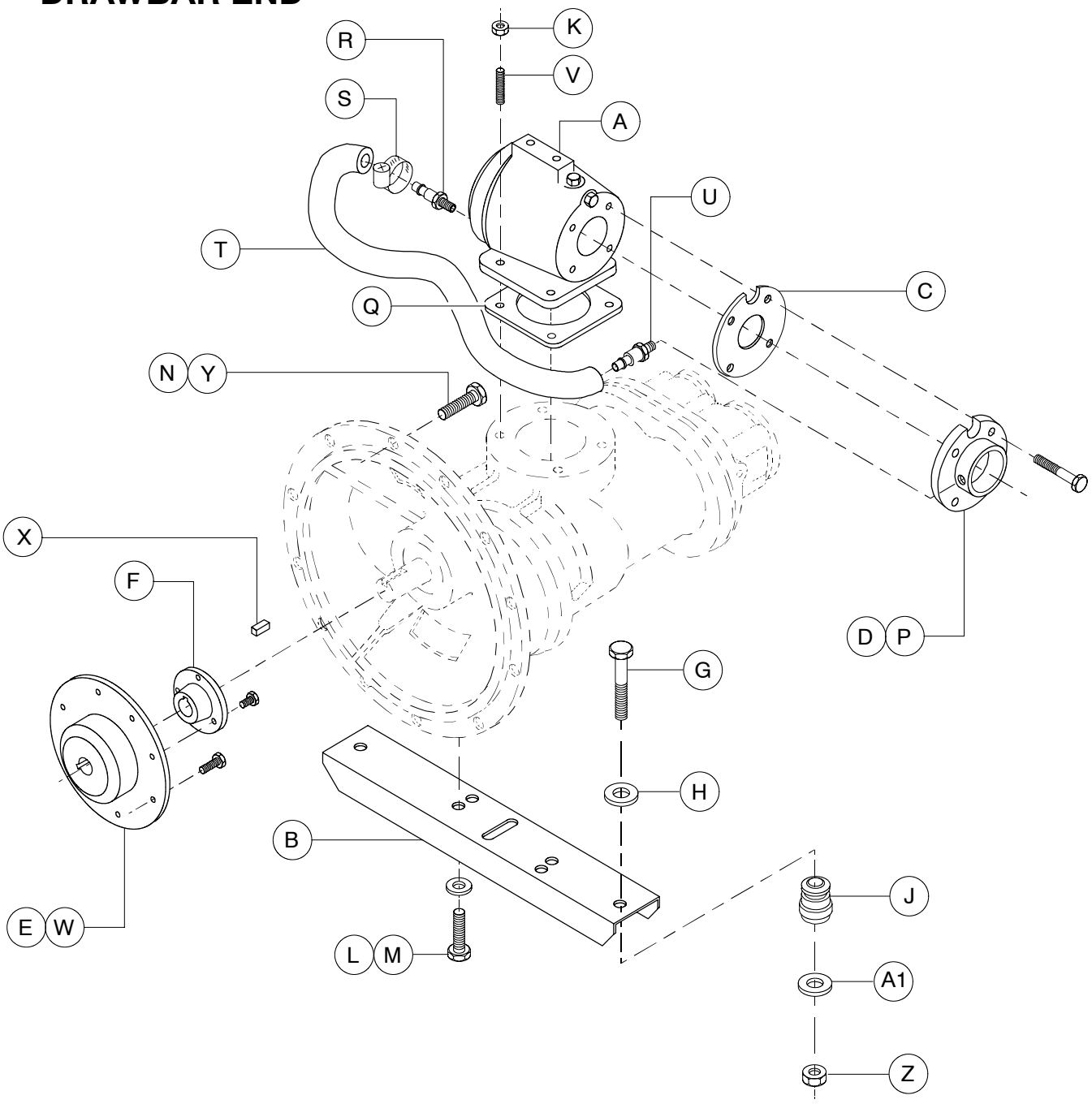
ITEM	C.P.N.	QTY	DESCRIPTION
A	35323708	6	SHIM (.127)
B	35849058	1	GASKET, REAR BEARING HSG
C	36842458	1	HOUSING, REAR BEARING
D	35323617	2	PIN, DOWEL
E	35588185	1	PISTON, BALANCE
F	35317353	6	SHIM (.05)
G	39124391	4	BEARING, TAPER ROLLER
H	35323112	2	LOCKNUT, BEARING
J	35278555	2	PLUG
K	20A11C2M236	2	O-RING
L	35317643	6	SHIM (.05)
M	35317635	12	SHIM (.127)
N	35588672	2	COVER, BEARING
P	35272533	9	SCREW
Q	34M2AB412	8	SCREW
R	92304450	1	SCREW
S	35278589	2	O-RING

127.5 mm AIREND ASSEMBLY 36006005
FOR P250 UNITS ONLY

*** EXCHANGE AIREND OPTION:** INGERSOLL-RAND OFFERS FACTORY REMANUFACTURED AIRENDS THAT ARE BUILT TO THE LATEST DESIGNS. MEANING IT WILL REFLECT ALL THE ENGINEERING UPGRADES AND PERFORMANCE ENHANCEMENTS MADE TO THAT SIZE UNIT. ALL EXCHANGE AIRENDS COME WITH A ONE YEAR WARRANTY. THESE BENEFITS MAKE A FACTORY REBUILT AIREND THE ONLY COST EFFECTIVE OPTION. CALL YOUR LOCAL IR DEALER FOR MORE DETAILS. PLEASE PROVIDE YOUR AIREND SERIAL NUMBER.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/24/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-029	DATE/REV: 2/96 C

DRAWBAR END



FOR P375 and HP300 UNITS ONLY

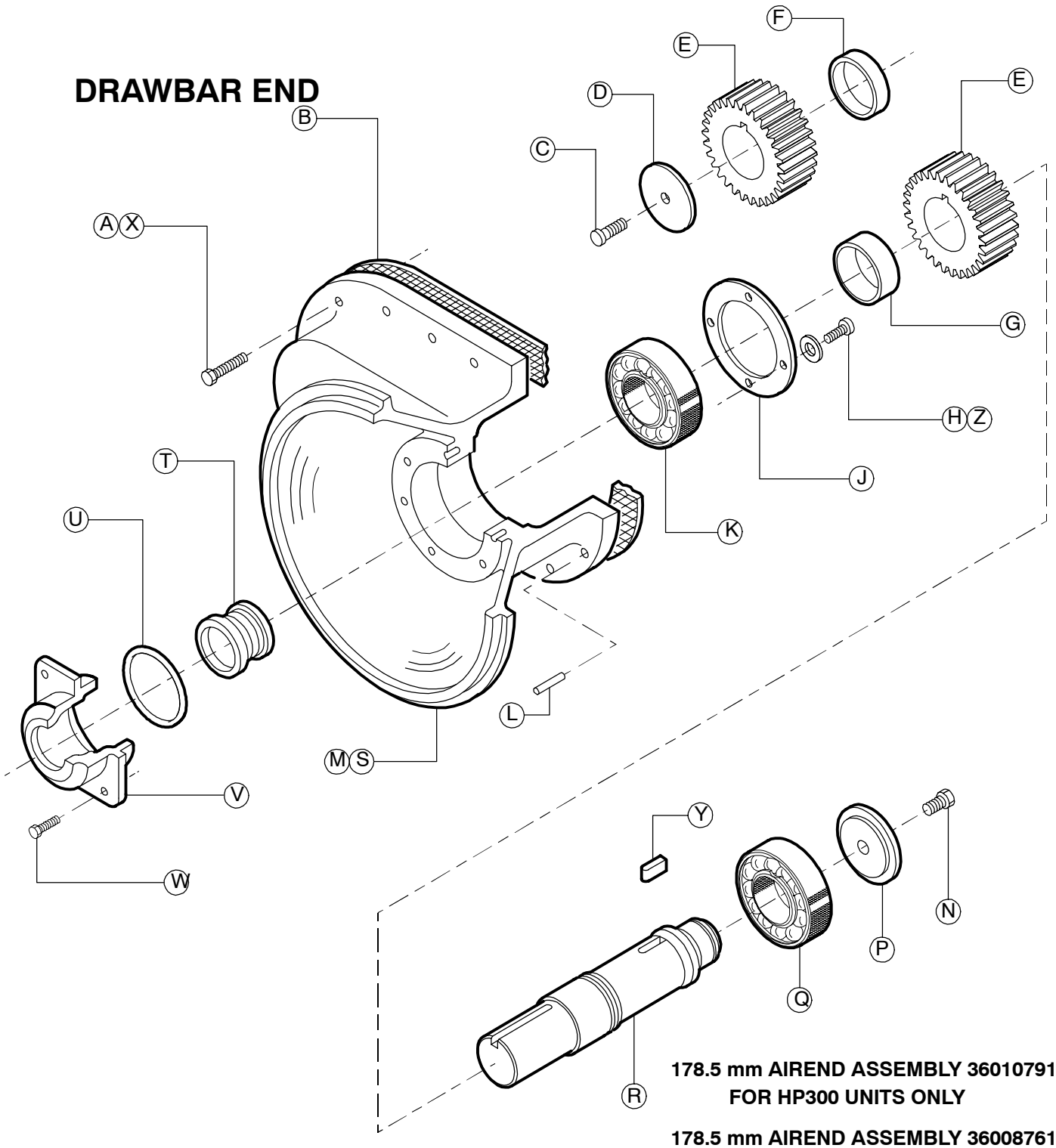
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/11/95 bd	DESCRIPTION AIR END COMPLETE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-030	DATE/REV: 2/97 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	35060631	1	UNLOADER ASSEMBLY
B	36877199	1	AIR END SUPPORT
C	35588318	1	GASKET
D	35843168	1	UNLOADER INLET
E	35834779	1	COUPLING
F	35589621	1	BUSHING
G	96701503	2	SCREW, HEX M16-200 X 90
H	35327212	2	WASHER, SNUBBER
J	35318229	2	MOUNT
K	96700885	4	NUT, HEX M16
L	35375591	2	SCREW, HEX M16-200 X 30
M	95934923	2	WASHER, FLAT
N	35374842	10	SCREW, HEX M10-150 X 25
P	96702048	4	SCREW, HEX M08-125 X 16
Q	35589589	1	GASKET
R	35323542	1	ADAPTER
S	35377621	2	CLAMP
T	35282292	14”	TUBING
U	35316587	1	BARBED FITTING
V	35323450	4	STUD
W	95937330	8	SCREW
X	35321421	1	KEY
Y	35271154	2	SCREW, SOCKET HEAD 3/8-16 X 3/4
Z	96704630	2	NUT, NYLOCK M16
A1	95935052	2	WASHER, FLAT

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/11/95 bd	DESCRIPTION AIR END COMPLETE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-031	DATE/REV: 2/97 B

DRAWBAR END



178.5 mm AIREND ASSEMBLY 36010791
FOR HP300 UNITS ONLY

178.5 mm AIREND ASSEMBLY 36008761
FOR P375 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/3/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-032	DATE/REV: 12/96 D

ITEM	C.P.N.	QTY	DESCRIPTION
A	35375385	8	SCREW
B	39437637	1	GASKET
C	35108372	1	SCREW
D	35255827	1	CLAMP PLATE
E	35327063	1	GEAR SET (P375WCU)
	35277599	1	GEAR SET (HP300WCU)
F	35262716	1	SPACER
G	35327626	1	SPACER BEARING
H	35327550	4	SCREW
J	35326602	1	RETAINING PLATE
K	35327543	1	BEARING
L	17A13A287	2	DOWEL PIN
M	36723641	1	GEAR CASE
N	35336304	1	SCREW
P	36764785	1	GUIDE CAP
Q	35313568	1	BEARING
R	36764827	1	GEAR SHAFT
S	36798346	2	GUARD
T	35593490	1	OIL SEAL
U	20A11C2M234	1	O-RING
V	35328475	1	OIL SEAL COVER
W	35374842	4	SCREW
X	35300623	4	SCREW
Y	35329192	1	KEY
Z	X1026T45	4	WASHER

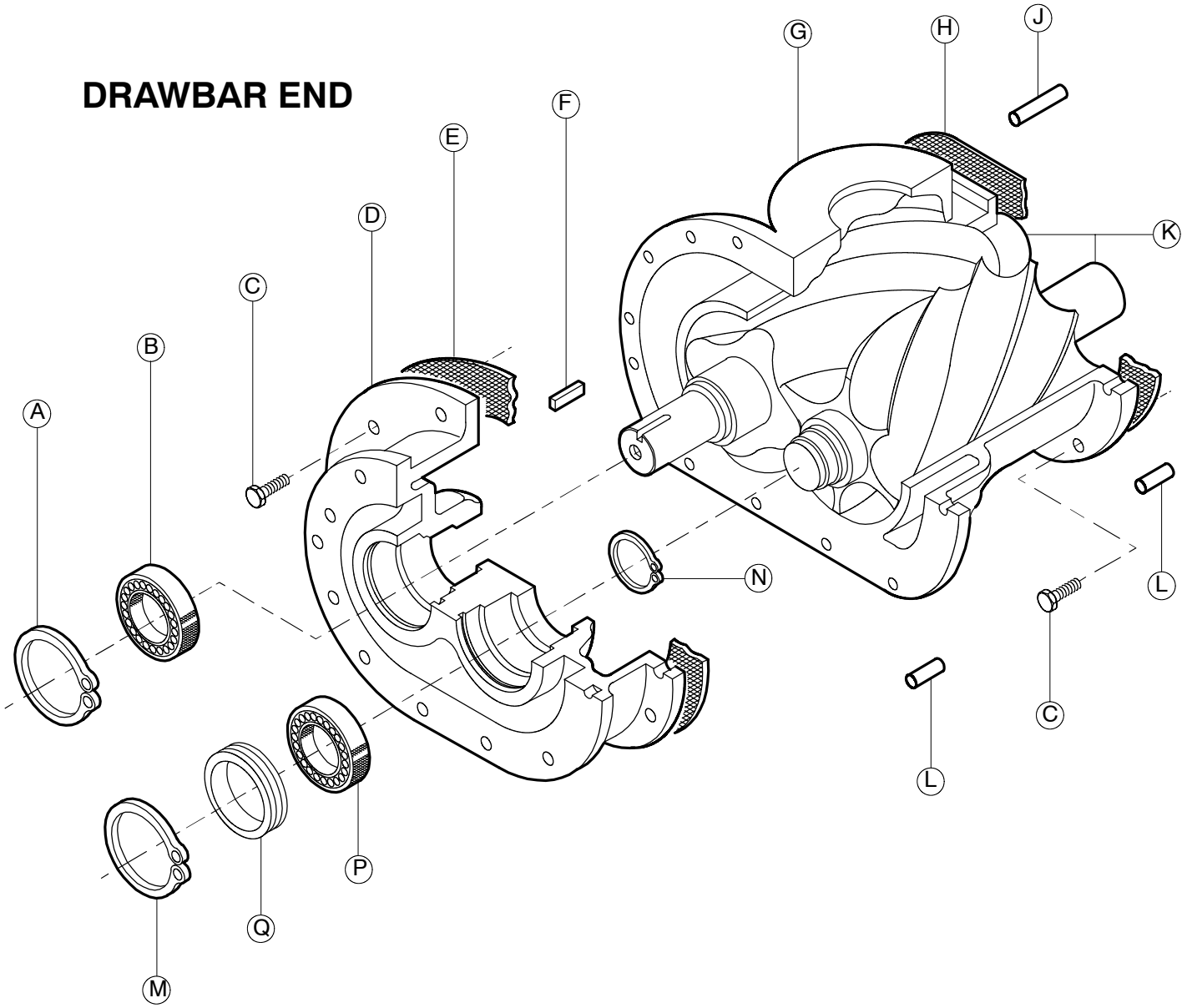
*** 178.5 mm AIREND ASSEMBLY 36010791 FOR HP300 UNITS ONLY**

*** 178.5 mm AIREND ASSEMBLY 36008761 FOR P375 UNITS ONLY**

*** EXCHANGE AIREND OPTION:** INGERSOLL-RAND OFFERS FACTORY REMANUFACTURED AIRENDS THAT ARE BUILT TO THE LATEST DESIGNS. MEANING IT WILL REFLECT ALL THE ENGINEERING UPGRADES AND PERFORMANCE ENHANCEMENTS MADE TO THAT SIZE UNIT. ALL EXCHANGE AIRENDS COME WITH A ONE YEAR WARRANTY. THESE BENEFITS MAKE A FACTORY REBUILT AIREND THE ONLY COST EFFECTIVE OPTION. CALL YOUR LOCAL IR DEALER FOR MORE DETAILS. PLEASE PROVIDE YOUR AIREND SERIAL NUMBER.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/3/91 bd	AIR END ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU P-375WJD	35392877-033	12/96 E

DRAWBAR END



178.5 mm AIREND ASSEMBLY 36010791
FOR HP300 UNITS ONLY

178.5 mm AIREND ASSEMBLY 36008761
FOR P375 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/3/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-034	DATE/REV: 12/96 D

ITEM	C.P.N.	QTY	DESCRIPTION
A	161A13S475	1	SNAP RING
B	35313535	1	ROLLER BEARING
C	35375385	25	SCREW
D	39703921	1	FRT BEARING HOUSING
E	35518497	1	GASKET
F	12A9C135	1	KEY
G	39748942	1	ROTOR HOUSING
H	39437629	1	GASKET
J	95239927	2	DOWEL PIN
K	35085042	1	ROTOR SET
L	35332915	2	DOWEL PIN
M	95223178	1	SNAP RING
N	164A13S215	1	SNAP RING
P	35609361	1	ROLLER BEARING
Q	35270131	1	BEARING SPACER

178.5 mm AIREND ASSEMBLY 36010791
FOR HP300 UNITS ONLY

178.5 mm AIREND ASSEMBLY 36008761
FOR P375 UNITS ONLY

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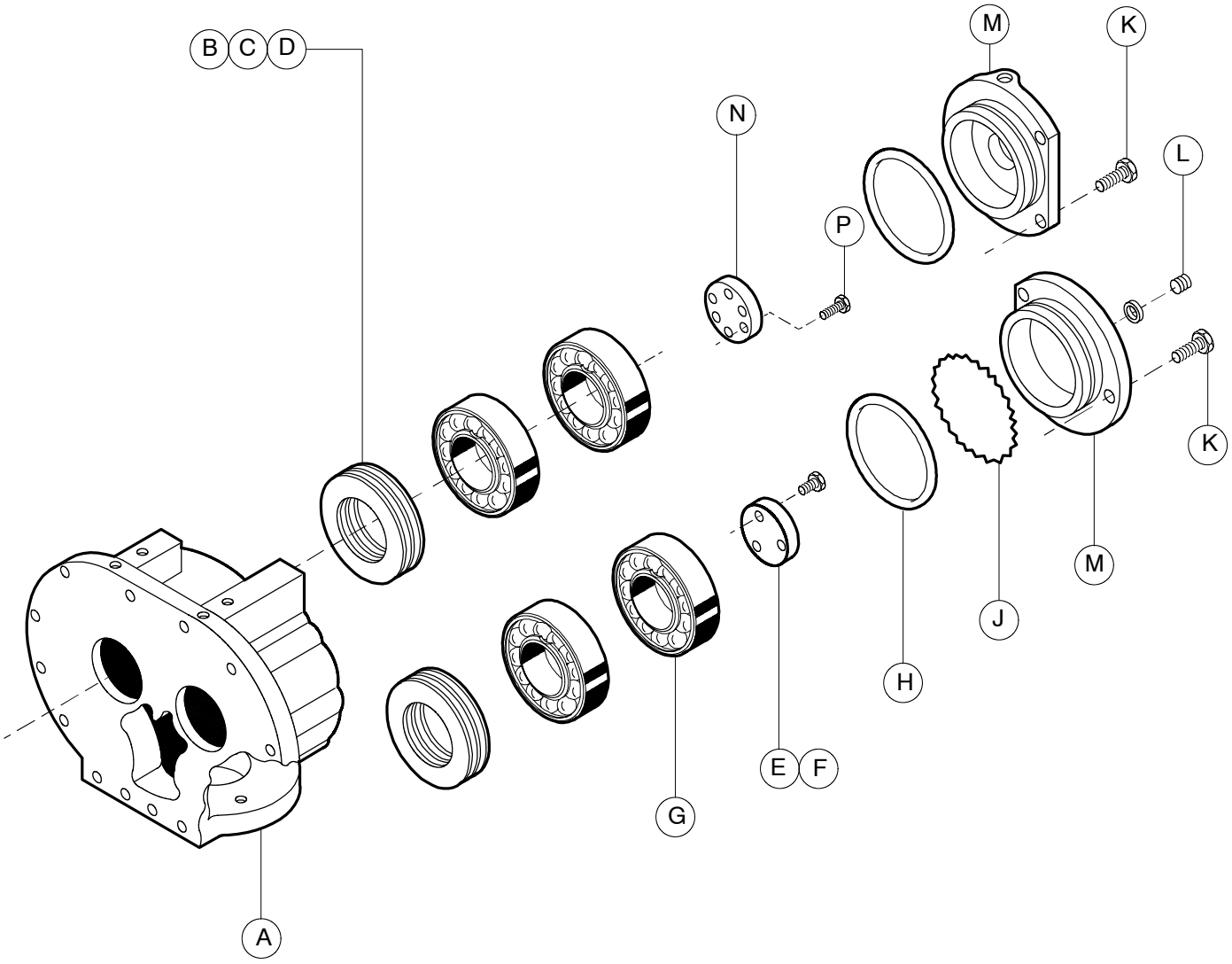
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/3/91 bd	DESCRIPTION: AIR END ASSEMBLY	
MODEL NO.: P-375WCU P-375WJD	MANUAL NO.: 35392877-035	DATE/REV: 12/96 D

DRAWBAR END



178.5 mm AIREND ASSEMBLY 36010791
FOR HP300 UNITS ONLY

178.5 mm AIREND ASSEMBLY 36008761
FOR P375 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/3/91 bd	DESCRIPTION AIR END ASSEMBLY	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-036	DATE/REV: 12/96 D

ITEM	C.P.N.	QTY	DESCRIPTION
A	36769404	1	REAR BEARING HOUSING
B	35313600	4	SHIM, .002
C	35313618	4	SHIM, .003
D	35364769	2	SHIM, .010
E	35262690	1	CLAMP PLATE
F	35104108	3	SCREW
G	39437595	4	BALL BEARING
H	20A11C2M249	2	O-RING
J	35354448	1	SHIM SET
K	36763704	6	SCREW
L	35287556	2	PLUG
M	35600832	2	REAR BEARING COVER
N	39435441	1	CLAMP PLATE
P	119A2A177N	8	SCREW

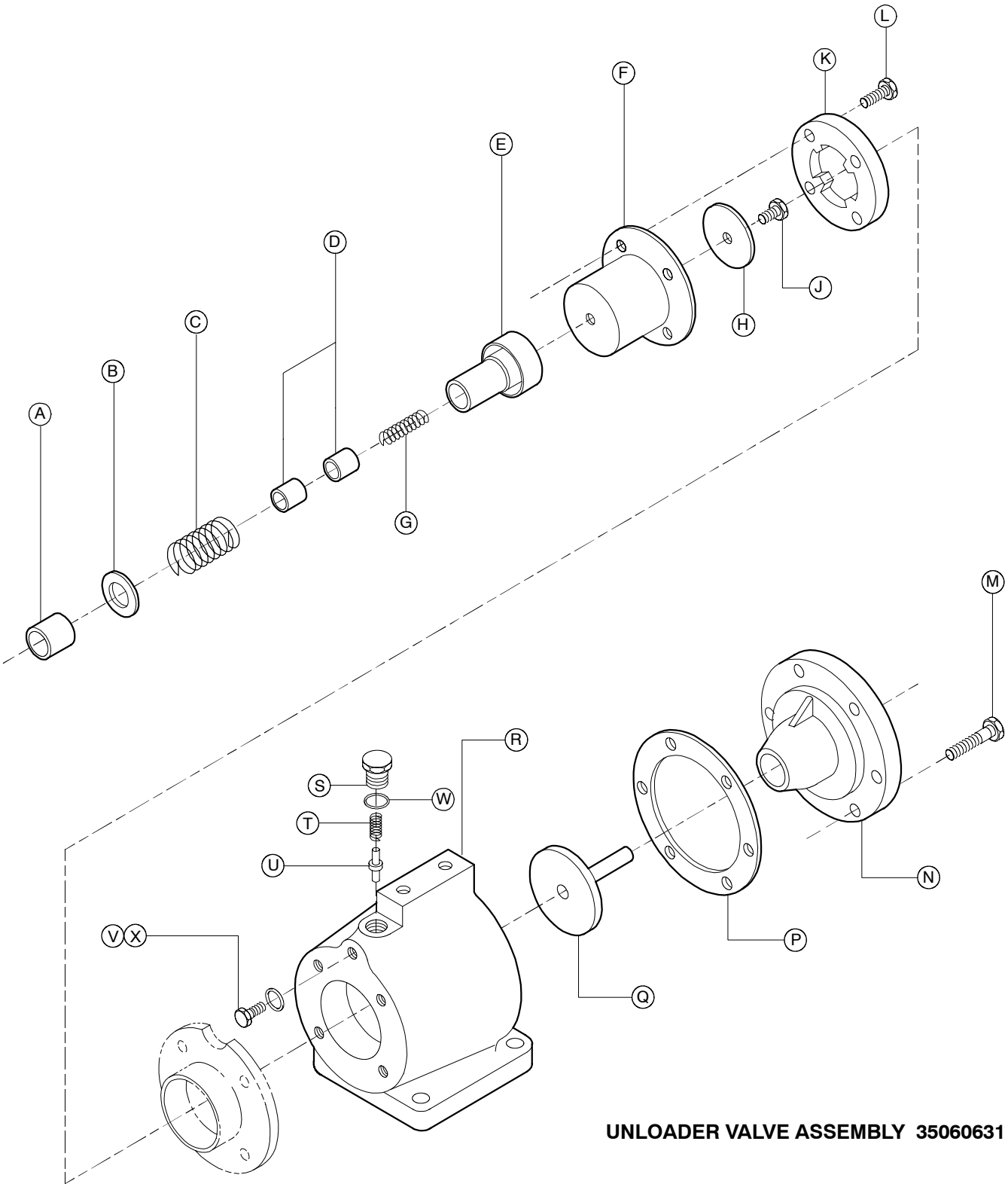
178.5 mm AIREND ASSEMBLY 36010791
FOR HP300 UNITS ONLY

178.5 mm AIREND ASSEMBLY 36008761
FOR P375 UNITS ONLY

*** EXCHANGE AIREND OPTION:** INGERSOLL-RAND OFFERS FACTORY REMANUFACTURED AIRENDS THAT ARE BUILT TO THE LATEST DESIGNS. MEANING IT WILL REFLECT ALL THE ENGINEERING UPGRADES AND PERFORMANCE ENHANCEMENTS MADE TO THAT SIZE UNIT. ALL EXCHANGE AIRENDS COME WITH A ONE YEAR WARRANTY. THESE BENEFITS MAKE A FACTORY REBUILT AIREND THE ONLY COST EFFECTIVE OPTION. CALL YOUR LOCAL IR DEALER FOR MORE DETAILS. PLEASE PROVIDE YOUR AIREND SERIAL NUMBER.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/3/91 bd	DESCRIPTION: AIR END ASSEMBLY	
MODEL NO.: P-375WCU, P-375WJD	MANUAL NO.: 35392877-037	DATE/REV: 12/96 D

BEGINNING WITH SERIAL NUMBER 300624



UNLOADER VALVE ASSEMBLY 35060631

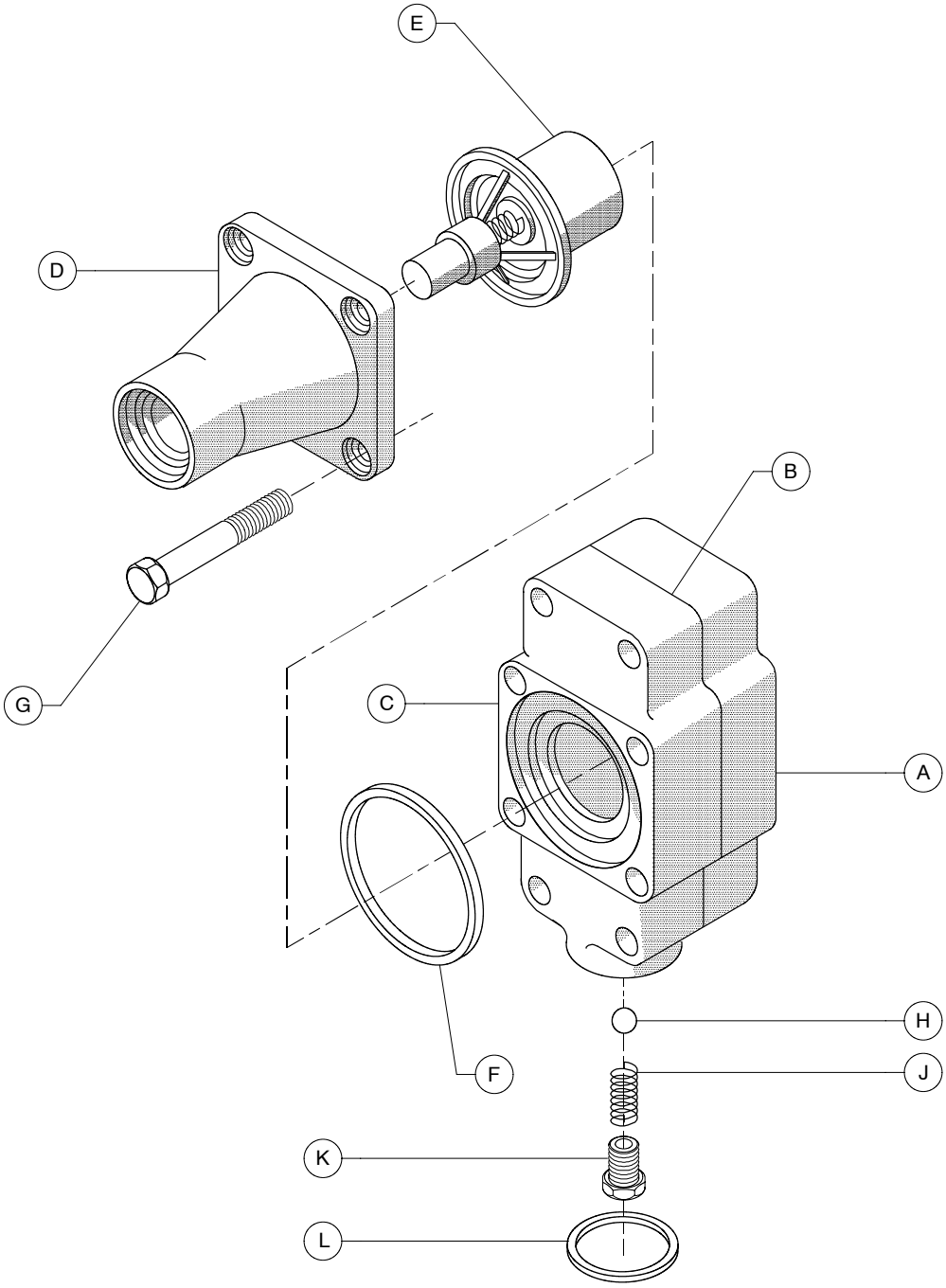
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
9/30/92 bd	UNLOADER ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-038	5/99 D

ITEM		C.P.N.	QTY	DESCRIPTION	
A	★	35318013	1	HOUSING BUSHING	
B	★	35317205	1	WASHER	
C	★	35322767	1	PISTON SPRING	
D	★	35318005	2	PISTON BUSHING	
E		35588193	1	PISTON UNLOADER	
F	★	35317197	1	DIAPHRAGM	
G	★	35321603	1	SPRING	
H	★	35317239	1	PISTON WASHER	
J	★	35321595	1	CAP SCREW	
K		35836949	1	PISTON COVER	
L		35271162	4	SCREW	
M		35374842	6	SCREW	**{PRIOR TO S/N 300624}**
		96702287	6	SCREW, HEX M10-1.50 X 25	**{BEGIN WITH S/N 300624}**
N		35833227	1	PISTON HOUSING	
P	★	35588300	1	PISTON GASKET	
Q		35591122	1	VALVE PLATE	
R		36718427	1	UNLOADER BODY	
S	★	35278555	1	PLUG	
T	★	35318914	1	PIN SPRING	
U	★	35317213	1	UNLOADER PIN	
V		35289057	1	PLUG	
W		35278589	1	O-RING	
X		35279959	1	O-RING	

★ ITEMS INCLUDED IN REPAIR KIT 35088798

UNLOADER VALVE ASSEMBLY 35060631

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
9/30/92 bd	UNLOADER ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-039	5/99 D



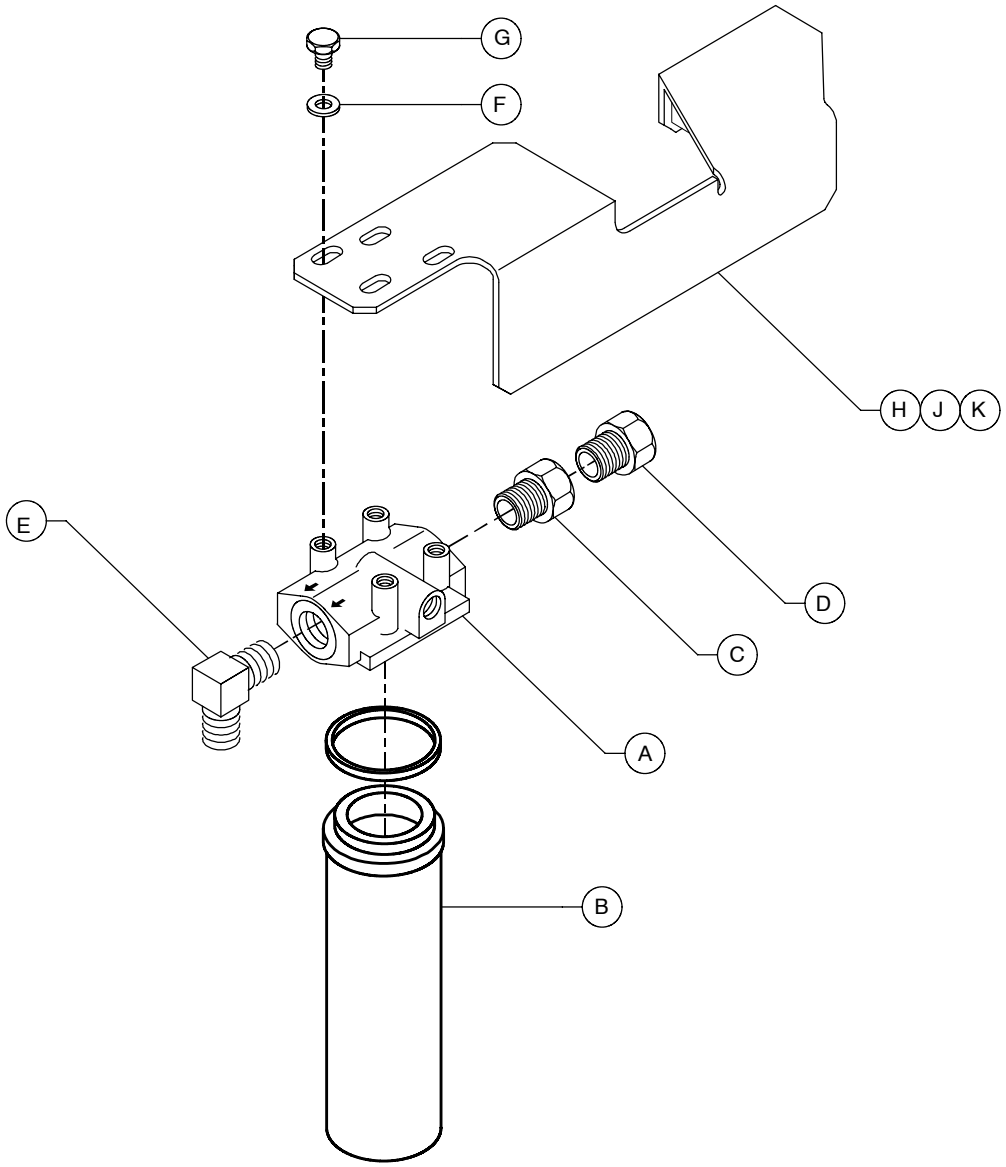
OIL TEMPERATURE BYPASS VALVE
ASSEMBLY 36876787

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	OIL TEMP BYPASS VALVE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-040	2/96 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	36876753	1	BODY
B	35584242	1	GASKET
C	36876761	1	BODY
D	36876779	1	COVER
E	36782019	1	ELEMENT
F	20A11EM231	1	O-RING
G	36786382	8	SCREW
H	35288448	1	BALL
J	35379940	1	SPRING
K	36788164	1	PLUG
L	36788172	1	SEAL

OIL TEMPERATURE BYPASS VALVE
ASSEMBLY 36876787

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	OIL TEMP BYPASS VALVE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-041	2/96 A



FOR P250 UNITS ONLY

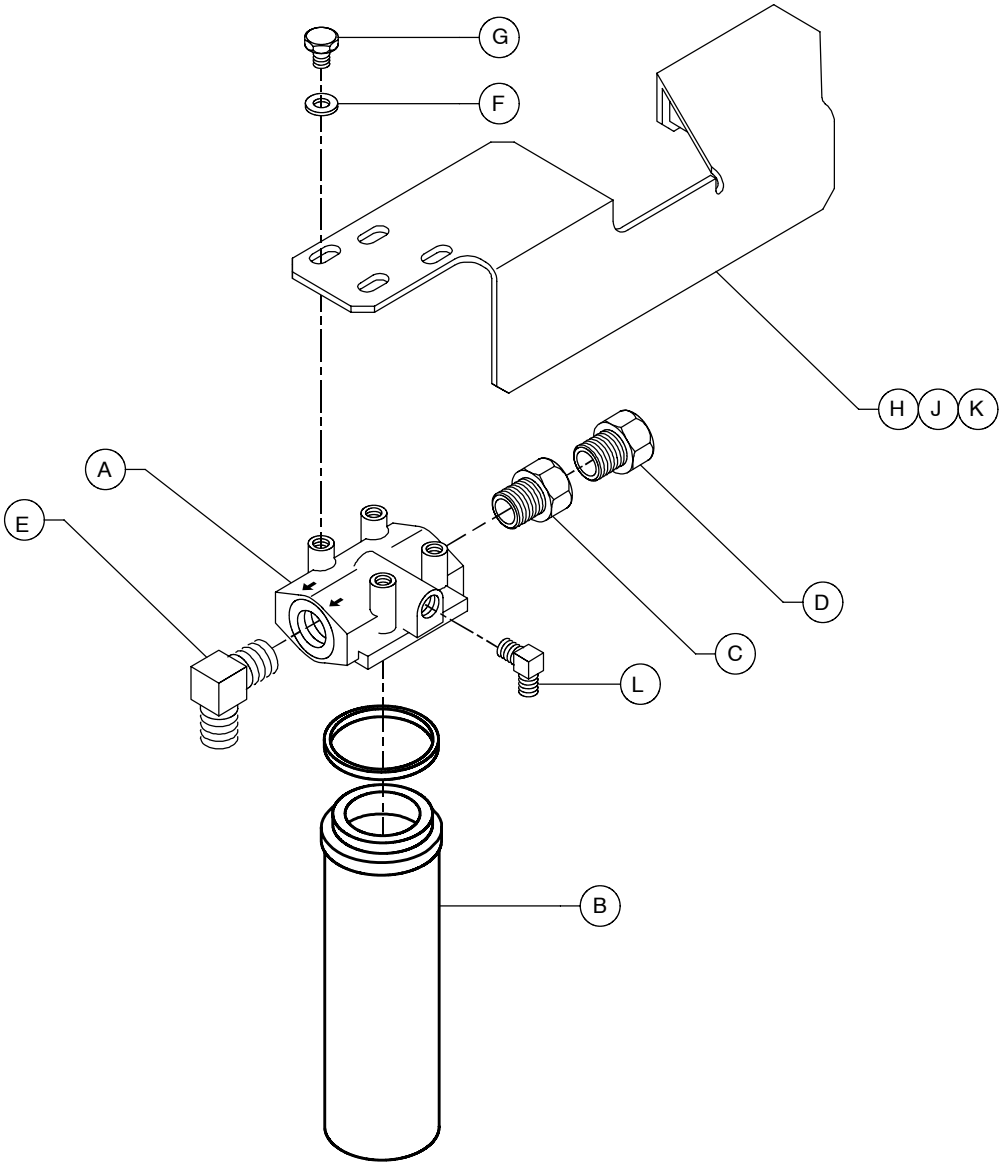
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/12/95 bd	DESCRIPTION OIL FILTER ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-042	DATE/REV: 2/96 A

ITEM		C.P.N.	QTY	DESCRIPTION	
A	*	35355460	1	HEAD ASSEMBLY	**{PRIOR TO S/N 300624}**
	*	36897445	1	HEAD ASSEMBLY	**{BEGIN WITH S/N 300624}**
B	*	36897353	1	OIL FILTER ELEMENT	
C		550A10S073P	1	REDUCER	
D		550A10S060P	1	UNION, FITTING	
E		35294750	1	ELBOW	
F		95934907	2	WASHER, FLAT	
G		35376953	2	SCREW, HEX M10-150 X 20	
H		36880367	1	BRACKET, OIL FILTER	
J		35273408	2	SCREW, HEX M08-125 X 20	
K		96700869	2	NUT, HEX M08	

* INCLUDED IN OIL FILTER ASSEMBLY 36897387

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/12/95 bd	OIL FILTER ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU P-250WJD	35392877-043	5/99 C



FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/12/95 bd	DESCRIPTION OIL FILTER ASSEMBLY	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-044	DATE/REV: 2/96 A

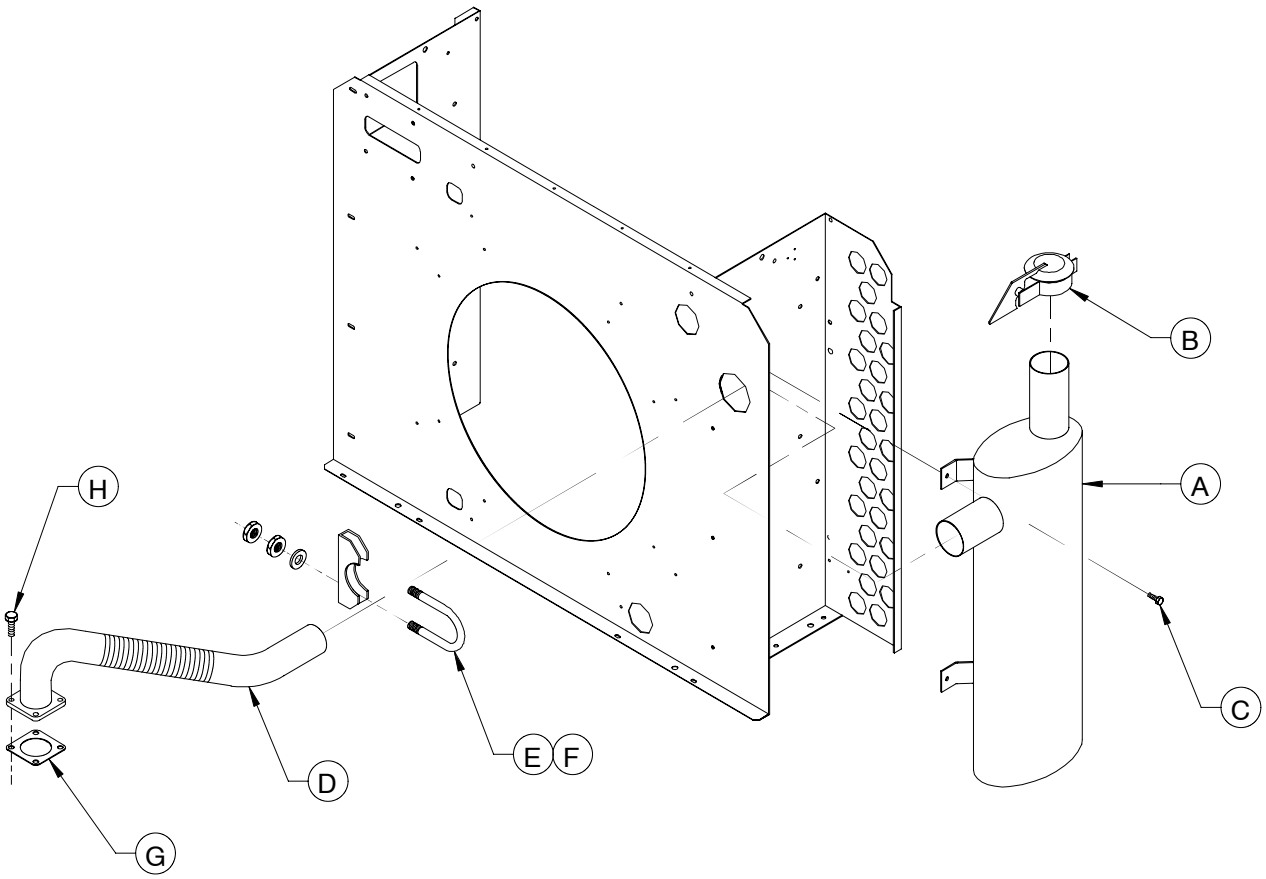
ITEM	C.P.N.	QTY	DESCRIPTION	
A	36877371	1	HEAD ASSEMBLY	**{PRIOR TO S/N 300624}**
*	36897437	1	HEAD ASSEMBLY	**{BEGIN WITH S/N 300624}**
B	36897353	1	OIL FILTER ELEMENT	**{PRIOR TO S/N 300624}**
*	36897346	1	OIL FILTER ELEMENT	**{BEGIN WITH S/N 300624}**
C	552A10S102P	1	REDUCER	
D	552A10S080P	1	UNION, FITTING	
E	95376133	2	ELBOW, 90° 1 5/8-12	
F	95934907	2	WASHER, FLAT	
G	95920674	2	SCREW, HEX 3/8-16 X 1	
H	36880367	1	BRACKET, OIL FILTER	
J	35273408	2	SCREW, HEX M08-125 X 20	
K	96700869	2	NUT, HEX M08	
L	95365094	1	ELBOW, 90° 9/16	

* INCLUDED IN OIL FILTER ASSEMBLY 36897429 **{BEGIN WITH S/N 300624}**

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/12/95 bd	OIL FILTER ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU P-375WJD	35392877-045	5/99 E

DRAWBAR END



FOR P250WCU ONLY

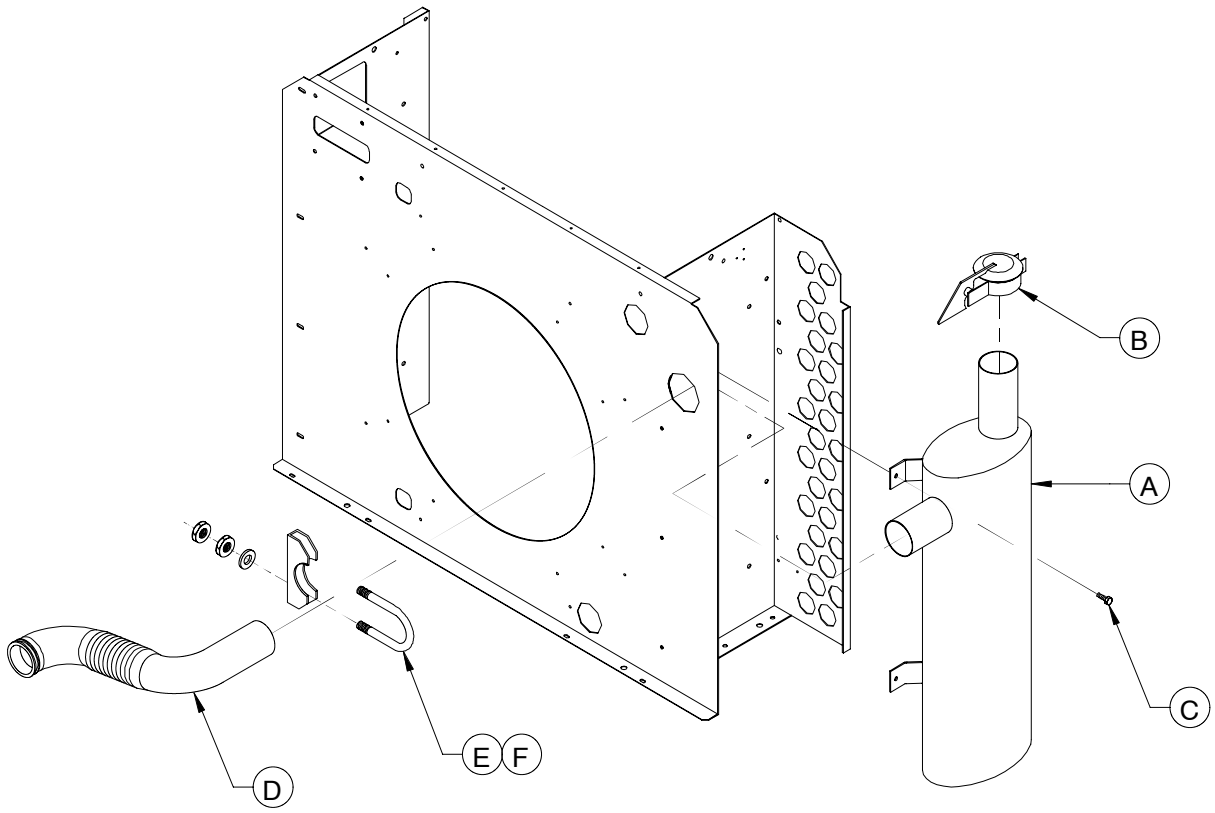
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/6/95 bd	EXHAUST COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU	35392877-046	3/97 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	36894244	1	MUFFLER
B	36879021	1	CAP, RAIN
C	96702055	4	SCREW, HEX M8-125 X 20
D	36877827	1	TUBE, EXHAUST
E	35209048	1	CLAMP, SADDLE
F	95922894	4	NUT 3/8-16
G	36845378	1	GASKET
H	35611995	4	SCREW, SOCKET HEAD M10-150 X 25

FOR P250WCU ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/6/95 bd	EXHAUST COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU	35392877-047	11/97 B

DRAWBAR END



FOR HP300AWCU & P375AWCU ONLY

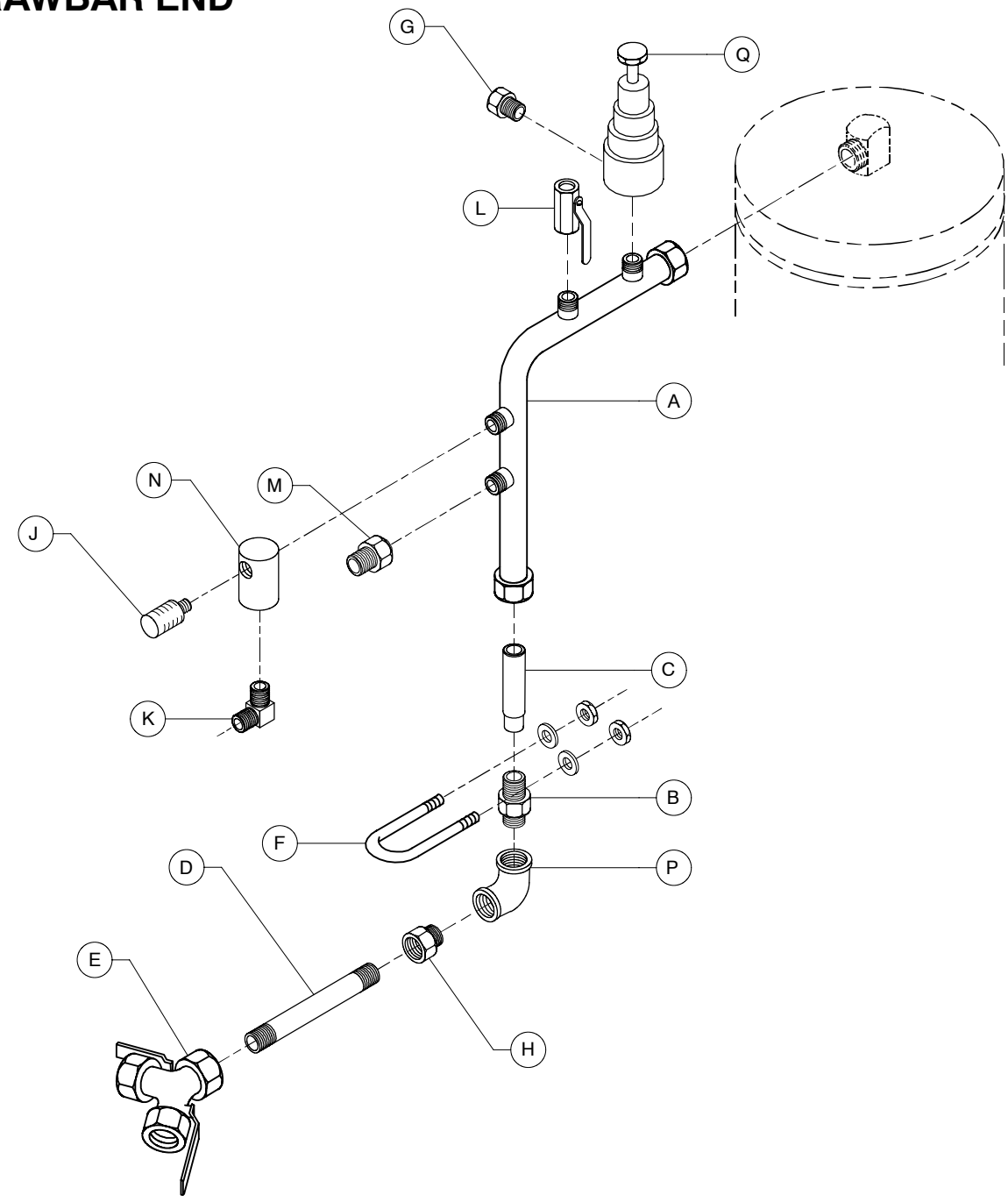
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/8/95 bd	EXHAUST COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
HP300AWCU P375AWCU	35392877-048	3/97 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	36877330	1	MUFFLER
B	36846484	1	CAP, RAIN
C	96702055	4	SCREW, HEX M8-125 X 20
D	36877843	1	TUBE, EXHAUST
E	35113646	1	CLAMP, SADDLE
F	95922894	4	NUT 3/8-16

FOR HP300AWCU & P375AWCU ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/8/95 bd	EXHAUST COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
HP300AWCU P375AWCU	35392877-049	11/99 B

DRAWBAR END



FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/12/95 bd	DESCRIPTION AIR SERVICE COMPLETE	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-050	DATE/REV: 2/96 A

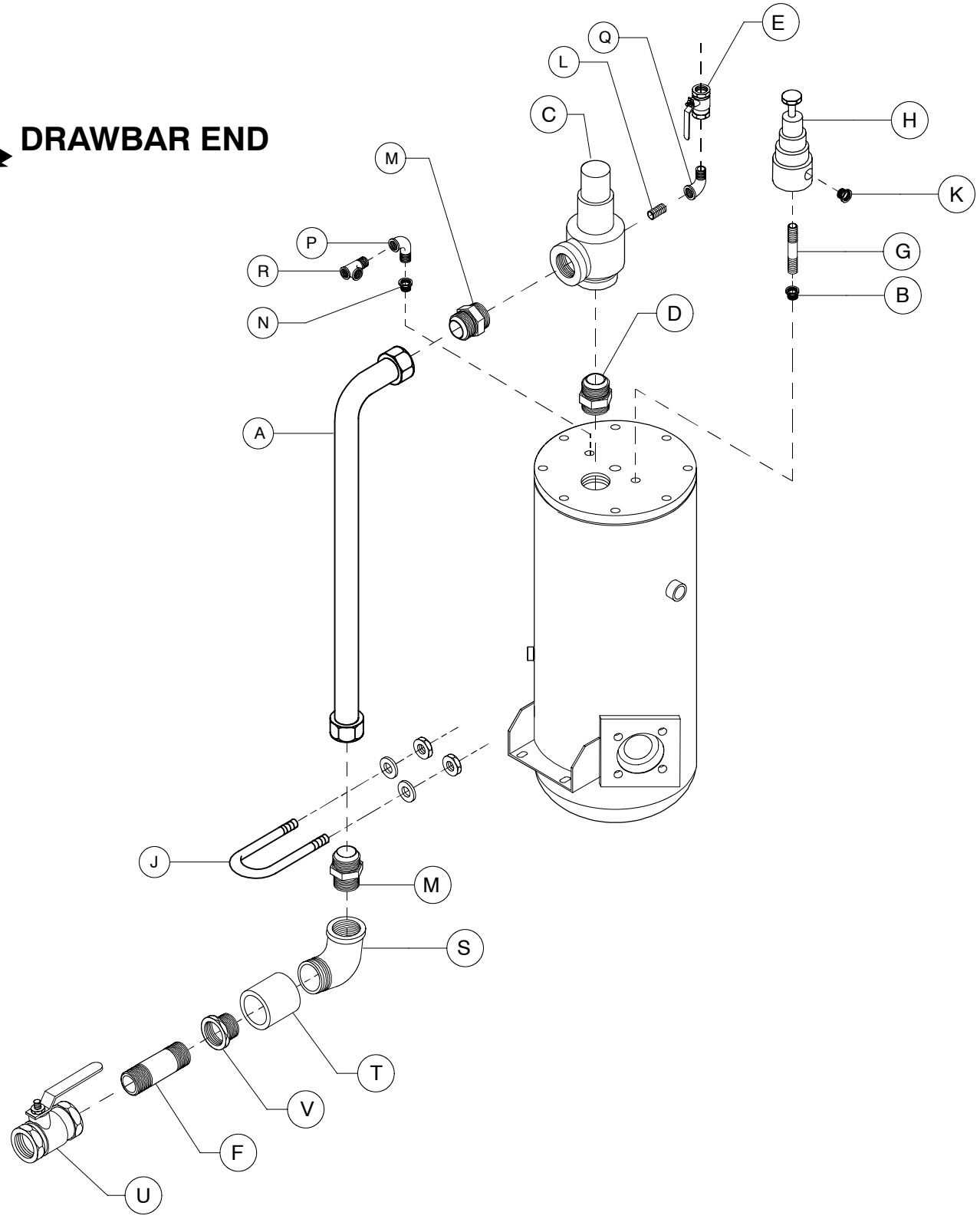
ITEM		C.P.N.	QTY	DESCRIPTION	
A		36879039	1	TUBE, SERVICE AIR	
B		95219770	1	ADAPTER	
C		36865434	1	SONIC NOZZLE	**{PRIOR TO S/N 305271}**
		36923928	1	SONIC NOZZLE	**{BEGIN WITH S/N 305271}**
D		19A7S55Z1	1	NIPPLE	
E		36779056	1	WYE VALVE	
F		35261155	2	CLAMP	
G		35369347	1	CONNECTOR, MALE	
H		95933451	1	COUPLING	
J		36766756	1	MUFFLER ORIFICE	
K		35369354	1	ELBOW	
L		35324839	1	BALL VALVE	
M		35369339	1	CONNECTOR, FEMALE	
N	★	35322379	1	BLOWDOWN VALVE	
P		95944104	1	ELBOW, STREET	
Q		36854149	1	REGULATOR VALVE	

★	35379064		BLOWDOWN VALVE REPAIR KIT

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/12/95 bd	AIR SERVICE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU P-250WJD	35392877-051	11/99 B

DRAWBAR END



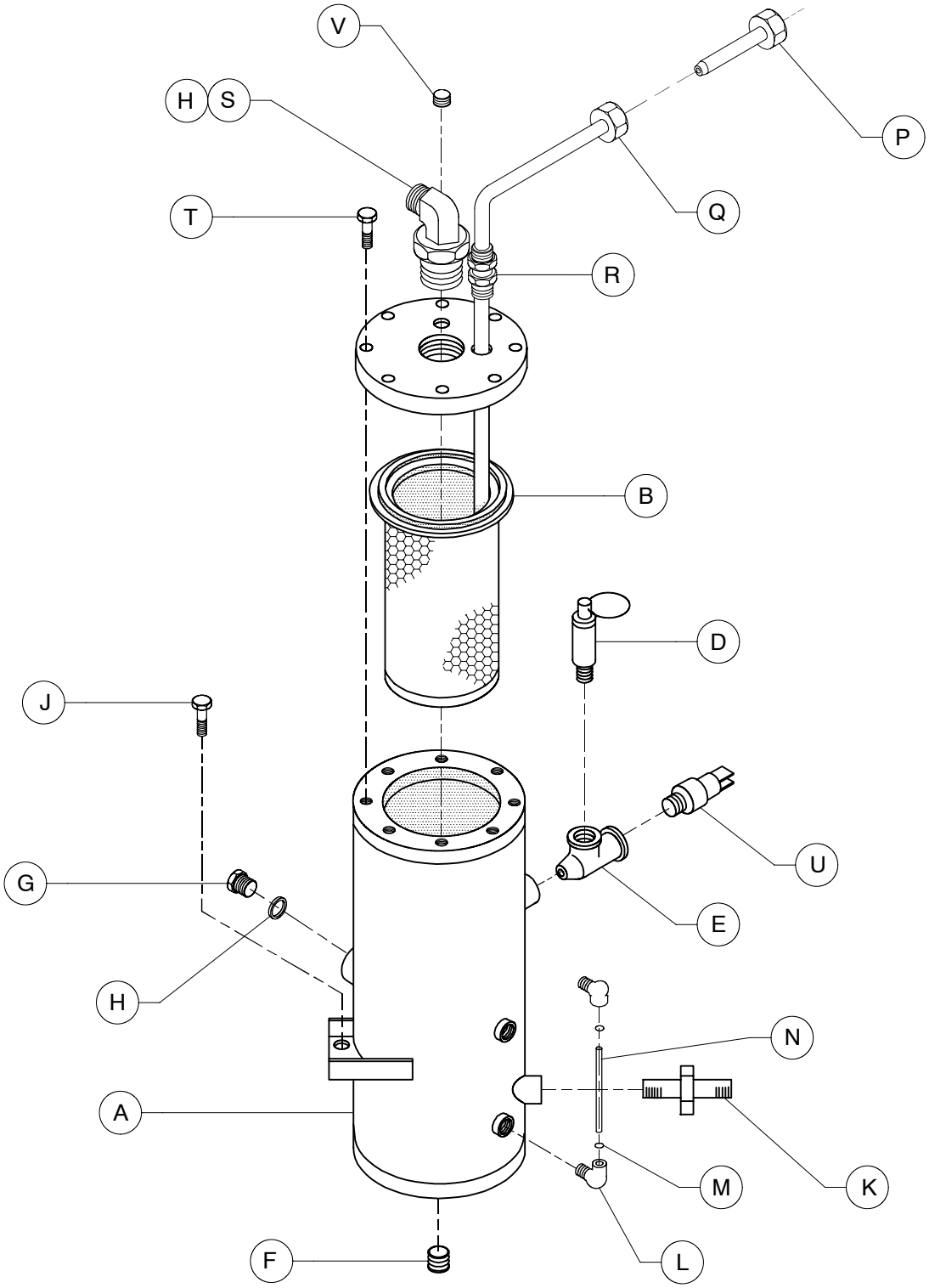
FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/12/95 bd	DESCRIPTION AIR SERVICE COMPLETE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-052	DATE/REV: 2/96 A

ITEM		C.P.N.	QTY	DESCRIPTION
A		36879047	1	TUBE, SERVICE AIR
B		95944625	1	BUSHING, REDUCING 1/2 – 1/4
C		36789550	1	MIN PRESSURE VALVE
D		36881068	1	CONNECTOR
E		35576115	1	VALVE, BALL
F		95928032	1	NIPPLE
G		19A7J2Z1	1	NIPPLE, CLOSED 1/4 NPT X 15/16
H	*	36847952	1	REGULATOR, PRESSURE (HP300 ONLY)
		36854149	1	REGULATOR, PRESSURE (P375 0NLY)
J		35192178	2	CLAMP
K		35369347	1	CONNECTOR, MALE
L		95928040	1	NIPPLE, CLOSED
M		95208682	2	ADAPTER
N		95940748	1	BUSHING, REDUCING 3/8 – 1/4
P		95944666	1	ELBOW, STREET 1/4 NPT
Q		34A7S3Z1	1	PLUG
R		35369503	1	TEE, MALE
S		95953311	1	ELBOW, STREET
T		95937454	1	COUPLING, 1 1/2
U		35612126	1	VALVE, BALL
V		95953824	1	BUSHING, REDUCING 1 1/2 – 1 1/4
	*	35387919		KIT, DIAPHRAGM REPAIR

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/12/95 bd	DESCRIPTION AIR SERVICE COMPLETE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-053	DATE/REV: 2/96 A



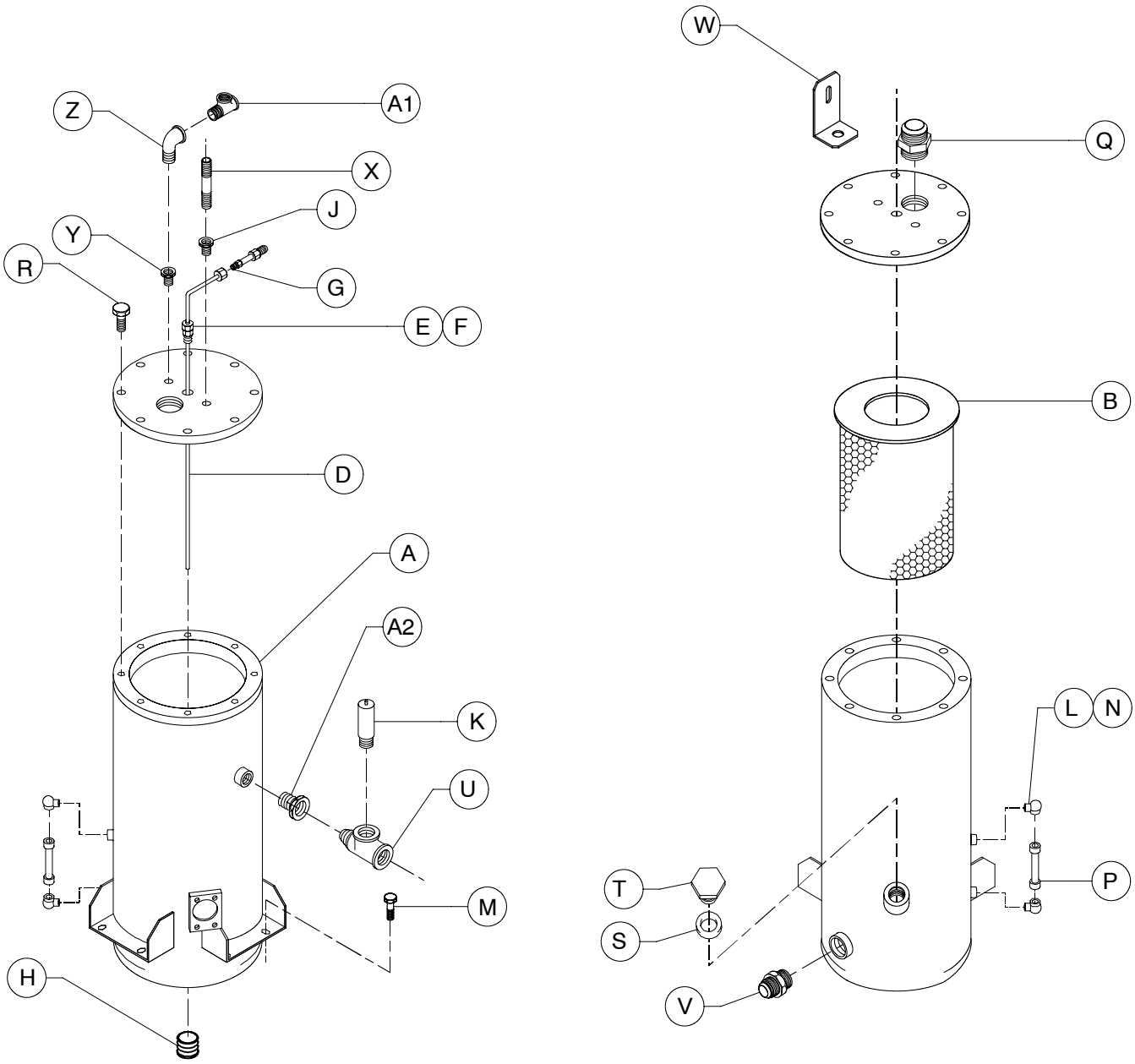
FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/26/95 bd	SEP TANK COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU P-250WJD	35392877-054	7/00 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	54465992	1	SEPARATOR TANK
B	54447313	1	SEPARATOR ELEMENT
C	~	~	~
D	35325224	1	SAFETY VALVE
E	95944708	1	STREET TEE
F	95280541	1	PLUG
G	35579630	1	FILLER PLUG
H	35279942	2	O-RING
J	36877793	4	SCREW, HEX FLANGE M12-175 X 40
K	35292069	1	CONNECTOR, 1 5/8-12
L	36860468	1	FITTING
M	35324649	2	GASKET
N	92121532	1	GLASS TUBE
P	36840437	1	VALVE, CHECK
Q	36781227	1	SCAVENGE TUBE
R	35329309	1	FITTING
S	35279777	1	ELBOW
T	36877793	8	SCREW, HEX FLANGE M12
U	36865756	1	SWITCH, TEMPERATURE
V	95928230	1	PLUG, HEX CSK 1/4NPT

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/26/95 bd	SEP TANK COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU P-250WJD	35392877-055	7/00 D



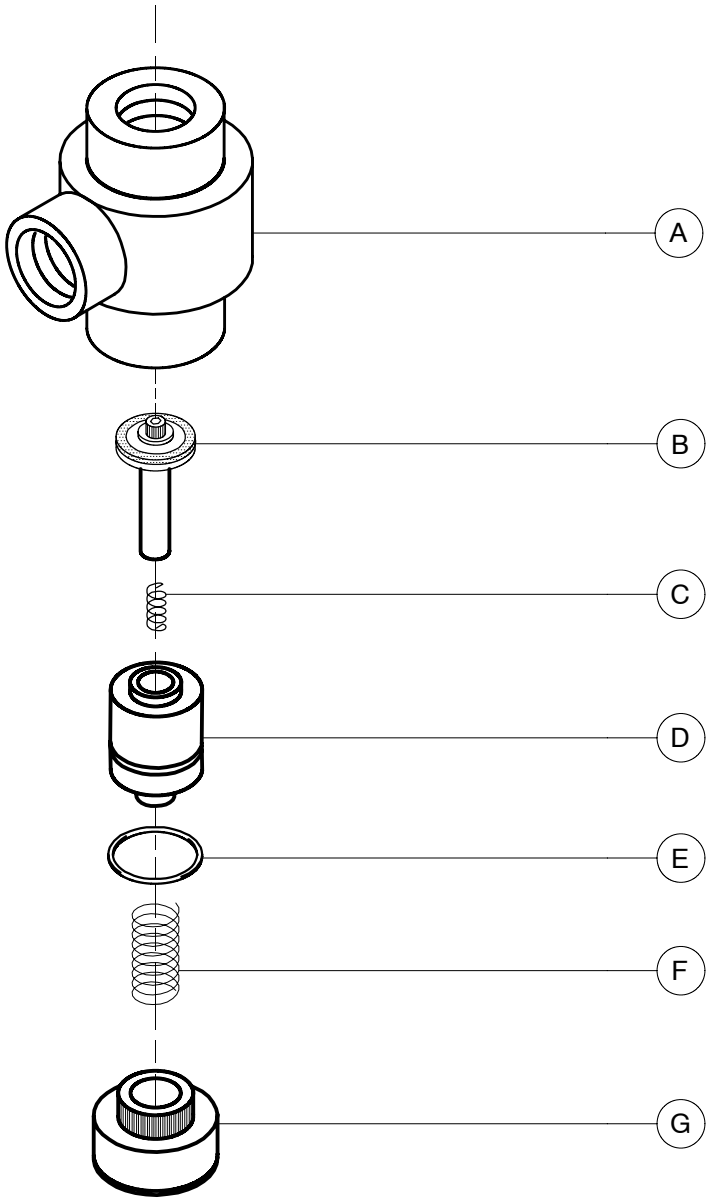
FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/26/95 bd	SEP TANK COMPLETE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-056	DATE/REV: 7/00 B

ITEM	C.P.N.	QTY	DESCRIPTION	
A	54465968	1	SEPARATOR TANK	
B	36876472	1	ELEMENT	
C	~	~	~	
D	36781227	1	SCAVENGE TUBE	
E	35329309	1	LENZ TUBE	
F	95953956	1	BUSHING, 3/4 - 3/8 REDUCING	
G	36840411	1	CHECK VALVE	
H	95280541	1	PLUG	
J	95944625	1	BUSHING, 1/2- 1/4 REDUCING	
K	35325232	1	SAFETY VALVE (P375WCU)	
	36784114	1	SAFETY VALVE (HP300WCU)	**{PRIOR TO S/N 297429}**
	36920254	1	SAFETY VALVE (HP300WCU)	**{BEGIN WITH S/N 297429}**
L	35324649	2	GASKET	
M	36877793	4	SCREW, HEX FLANGE HEAD M12 X 40	
N	36860468	1	FITTINGS	
P	92121532	1	SIGHT GLASS	
Q	36881068	1	ADAPTER, 1 7/8 - 1 1/2	
R	36789302	8	SCREW, FLANGE HD M16 X 50	
S	35279942	1	O-RING	
T	35579630	1	PLUG, OIL FILL	
U	95944708	1	STREET TEE	
V	35292069	1	CONNECTOR, 1 5/8	
W	36785012	2	BRACKET, SEPERATOR TANK LIFT	
X	19A7J2Z1	1	NIPPLE	
Y	95940748	1	BUSHING, 3/8 - 1/4 REDUCING	
Z	95944666	1	ELBOW, STREET 1/4NPT	
A1	35369503	1	TEE, REDUCING	
A2	95953949	1	BUSHING, REDUCING 3/4 - 1/2	

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/26/95 bd	SEP TANK COMPLETE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-057	DATE/REV: 7/00 D



FOR P375 and HP300 UNITS ONLY

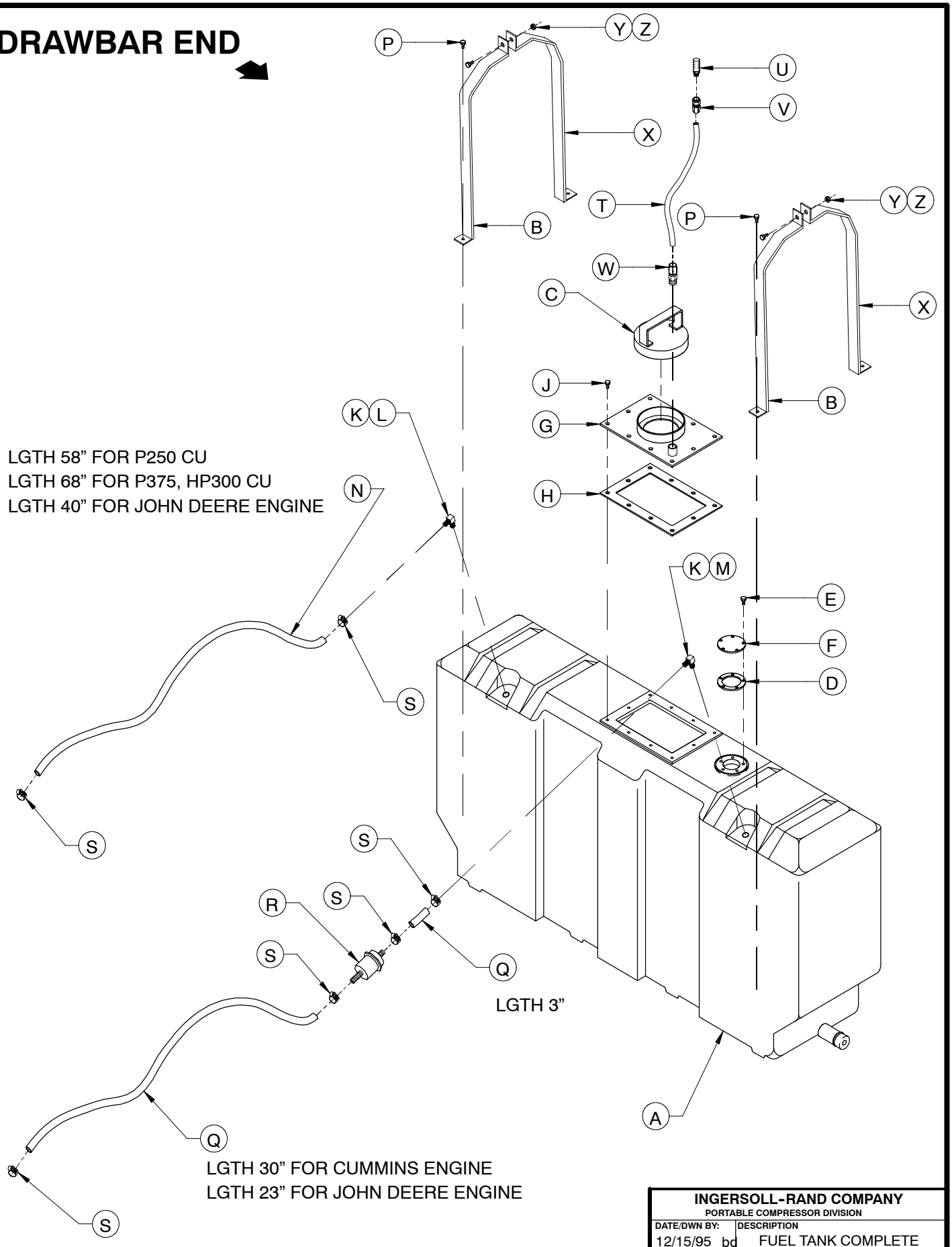
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/23/92 bd	DESCRIPTION MIN PRESS VALVE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-058	DATE/REV: 2/96 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	35379973	1	MIN PRESS VALVE BODY
B	35380708	1	CV ASSEMBLY
C	35380732	1	SPRING
D	35380716	1	PISTON
E	35380724	1	O-RING
F	35380740	1	SPRING
G	35380757	1	CAP
	36789550	1	MIN PRESS VALVE ASSEMBLY

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/23/92 bd	DESCRIPTION MIN PRESS VALVE	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-059	DATE/REV: 2/96 A

DRAWBAR END



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/15/95 bd	FUEL TANK COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-060	4/98 C

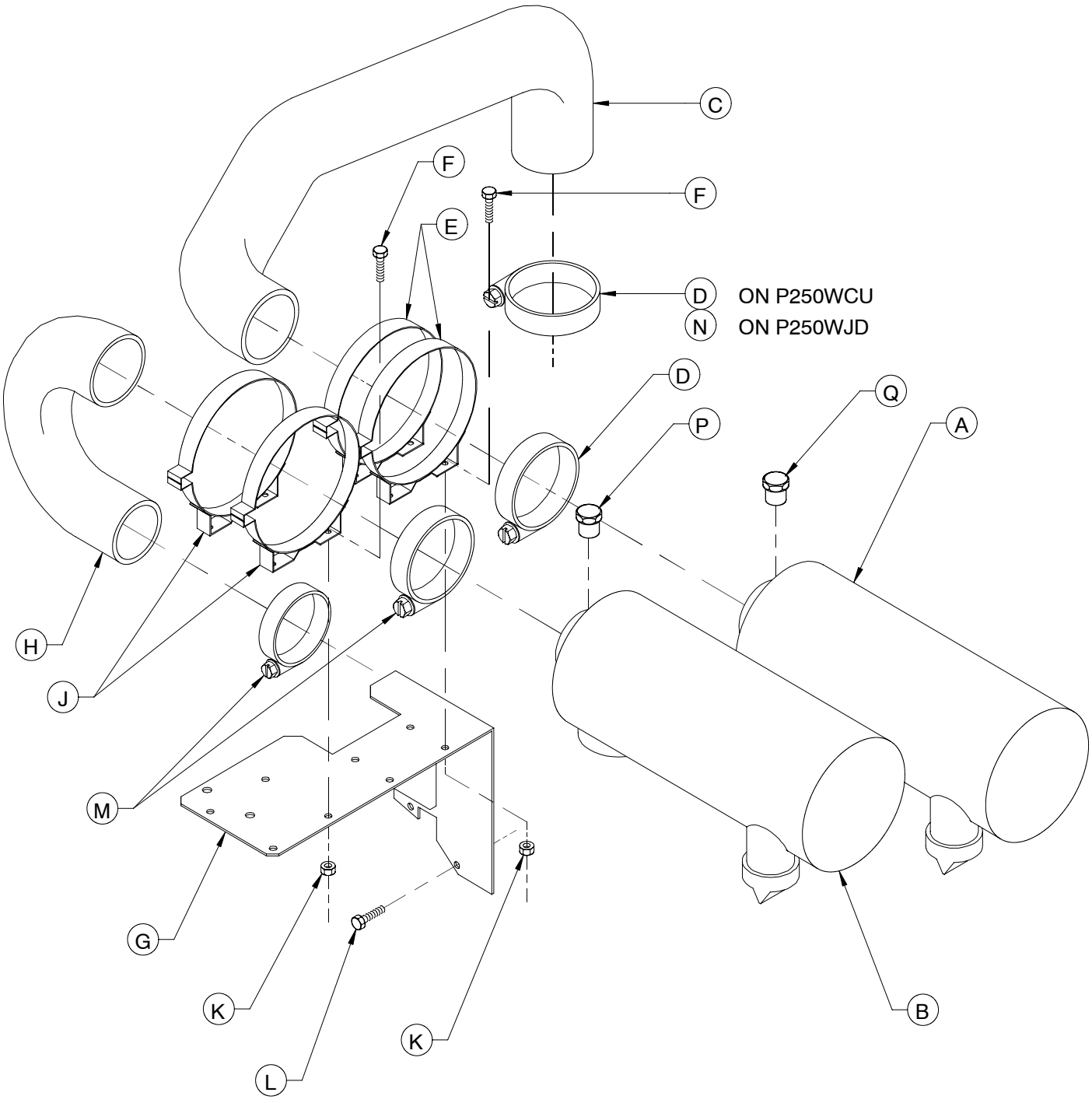
ITEM		C.P.N.	QTY	DESCRIPTION
A		36876514	1	TANK, FUEL
B		36897239	2	STRAP, FUEL TANK
C	*	36845014	1	CAP, FUEL FILLER
D	*	35361849	1	GASKET, FUEL SENDER
E	*	95916532	5	SCREW, FILLISTER HEAD 10-32 X 1/2
F	*	36792828	1	PLATE, FUEL TANK COVER
G	*	35389972	1	COVER, FUEL FILL
H	*	35389964	1	GASKET, FUEL FILL COVER
J	*	35144328	10	SCREW, LOCK 1/4-20 X 5/8
K	*	35384577	2	BUSHING
L	*	35389980	1	STANDPIPE ASSEMBLY
M	*	35390111	1	STANDPIPE ASSEMBLY
N		35282078	**	HOSE, FUEL 1/4" (CUMMINS ONLY)
		35363498	**	HOSE, FUEL 5/16" (J. DEERE ONLY)
P		35300771	4	SCREW, TAPPING M06-100 X 20
Q		35363498	**	HOSE, FUEL 5/16"
R		36845493	1	FILTER, FUEL
S		35296342	6	CLAMP, WORM GEAR
T		35356484	16"	TUBING, VENT 3/8"
U		35369339	1	CONNECTOR, FEMALE 1/4NPT X 3/8 TUBE
V		35322395	1	SILENCER, PNEUMATIC 1/4NPT
W		35369347	1	CONNECTOR, MALE 1/4NPT X 3/8 TUBE
X		36897221	2	STRAP, FUEL TANK
Y		35271170	2	SCREW, HEX M08-1.25 X 40
Z		35278530	2	NUT, NYLOC M08-1.25

* INCLUDED WITH FUEL TANK

** SEE ILLUSTRATION FOR HOSE LENGTH

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/15/95 bd	FUEL TANK COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-061	7/98 C

DRAWBAR END



FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1/4/96 bd	DESCRIPTION AIR INTAKE COMPLETE	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-062	DATE/REV: 6/96 B

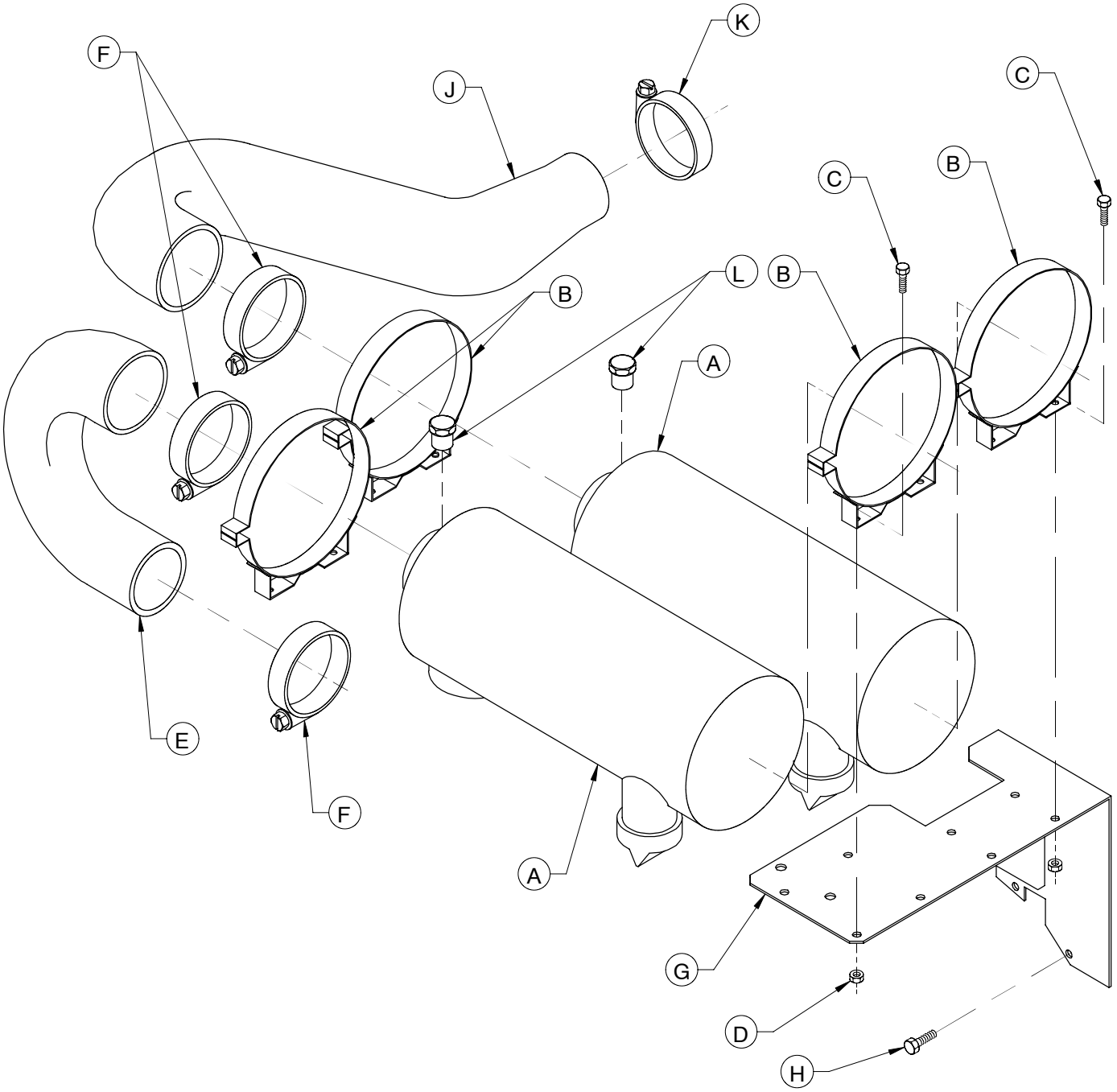
ITEM	C.P.N.	QTY	DESCRIPTION
A	36862829	1	CLEANER, ENGINE AIR
B	36863835	1	CLEANER, A/E AIR
C	36878346	1	HOSE, ENGINE AIR INLET (P250WCU)
	36878320	1	HOSE, ENGINE AIR INLET (P250WJD)
D	35374073	*	CLAMP, 3.62” DIA.
E	35585009	2	BAND, AIR CLEANER MOUNTING
F	96702055	8	SCREW, HEX M08-125 X 20
G	36879591	1	BRACKET, AIR FILTER
H	35588524	1	ELBOW, 180□ RUBBER
J	35587468	2	BAND, 8” MOUNTING
K	96700869	8	NUT, HEX M08
L	96701495	2	SCREW, HEX M12-175 X 25
M	35165802	2	CLAMP, 4” DIA.
N	35314996	*	CLAMP, 3.12” DIA.
P	35314939	1	INDICATOR, FILTER RESTRICTION
Q	35300615	1	INDICATOR, FILTER RESTRICTION

* SEE ILLUSTRATION FOR LOCATIONS

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1/4/96 bd	DESCRIPTION AIR INTAKE COMPLETE	
MODEL NO. P-250WCU/JD	MANUAL NO. 35392877-063	DATE/REV: 8/96 C

DRAWBAR END



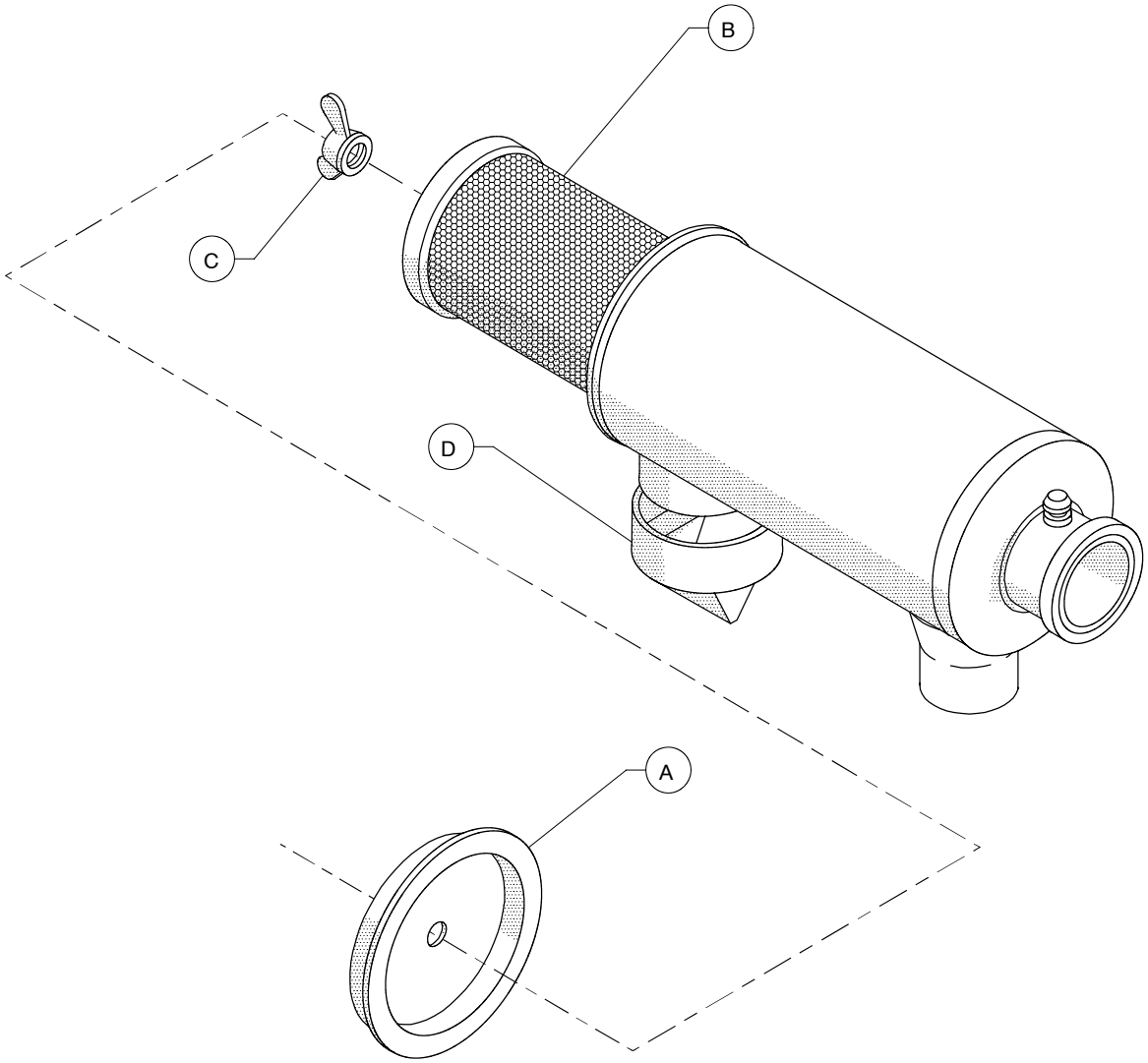
FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/13/95 bd	DESCRIPTION AIR INTAKE COMPLETE	
MODEL NO. P-375WCU	MANUAL NO. 35392877-064	DATE/REV: 6/96 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	36863900	2	CLEANER, AIR ASSEMBLY
B	35294974	4	BAND, MOUNTING
C	96702055	8	SCREW, HEX M8-125 X 20
D	96700869	8	NUT, HEX M8
E	36899649	1	ELBOW, 180° 4"
F	36897668	3	CLAMP, 4.5"
G	36845915	1	BRACKET, AIR CLEANER
H	96701495	2	SCREW, HEX M12-175 X 25
J	36878353	1	HOSE, ENGINE AIR INLET
	54565825	1	HOSE, ENGINE AIR INLET
K	35374073	1	CLAMP, 3.62"
L	35314939	2	INDICATOR, FILTER RESTRICTION

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 12/13/95 bd	DESCRIPTION AIR INTAKE COMPLETE	
MODEL NO. P-375WCU	MANUAL NO. 35392877-065	DATE/REV: 7/00 E



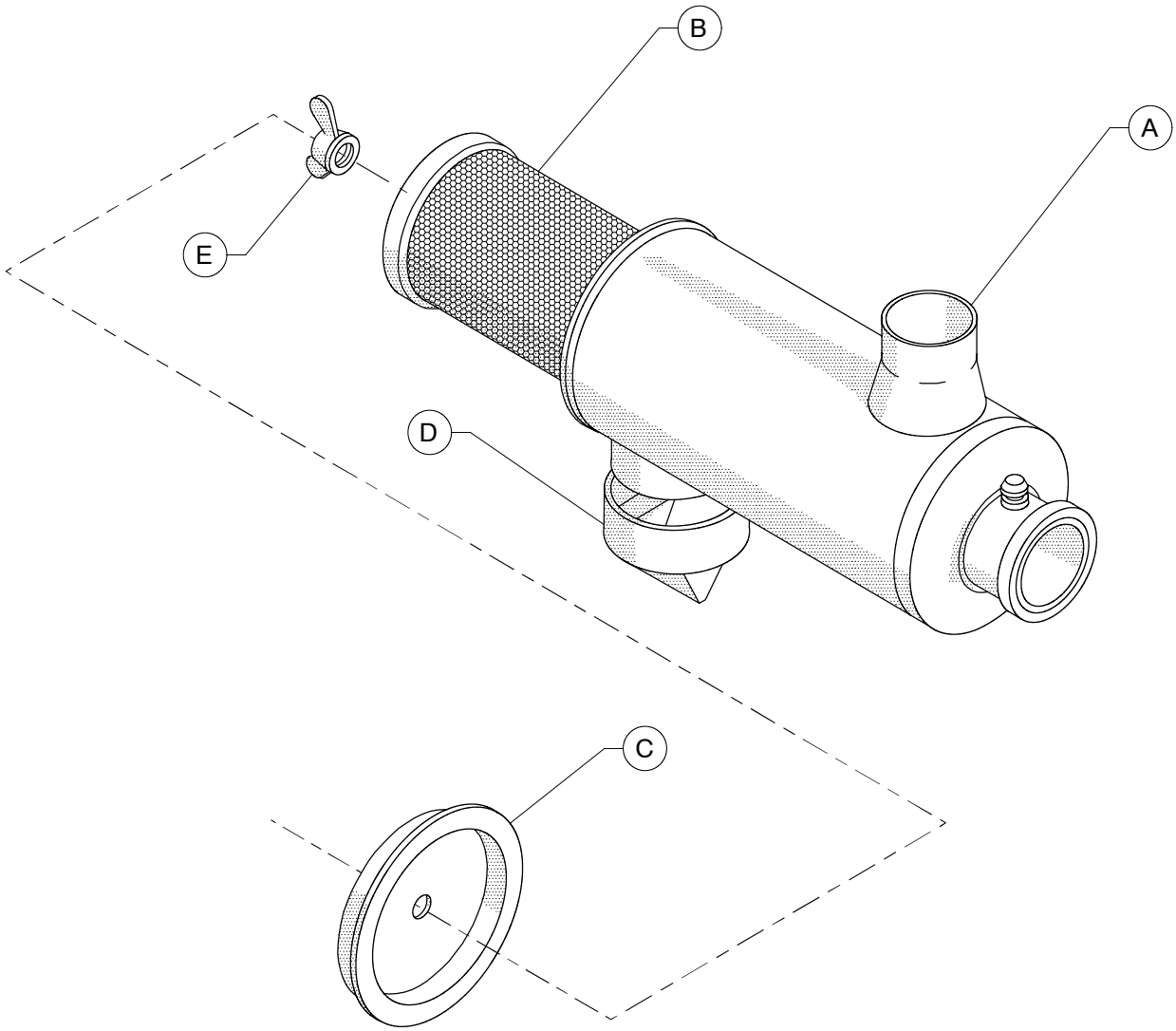
A/E AIR CLEANER ASSEMBLY 36863835
FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/27/93 bd	DESCRIPTION AIR CLEANER ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-066	DATE/REV: 2/96 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	35326057	1	COVER
B	35318252	1	AIR CLEANER ELEMENT
C	35291475	1	NUT
D	35318245	1	VACUATOR VALVE

A/E AIR CLEANER ASSEMBLY 36863835
FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/27/93 bd	DESCRIPTION AIR CLEANER ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-067	DATE/REV: 2/96 A



ENGINE AIR CLEANER ASSEMBLY 36862829
FOR P250 UNITS ONLY

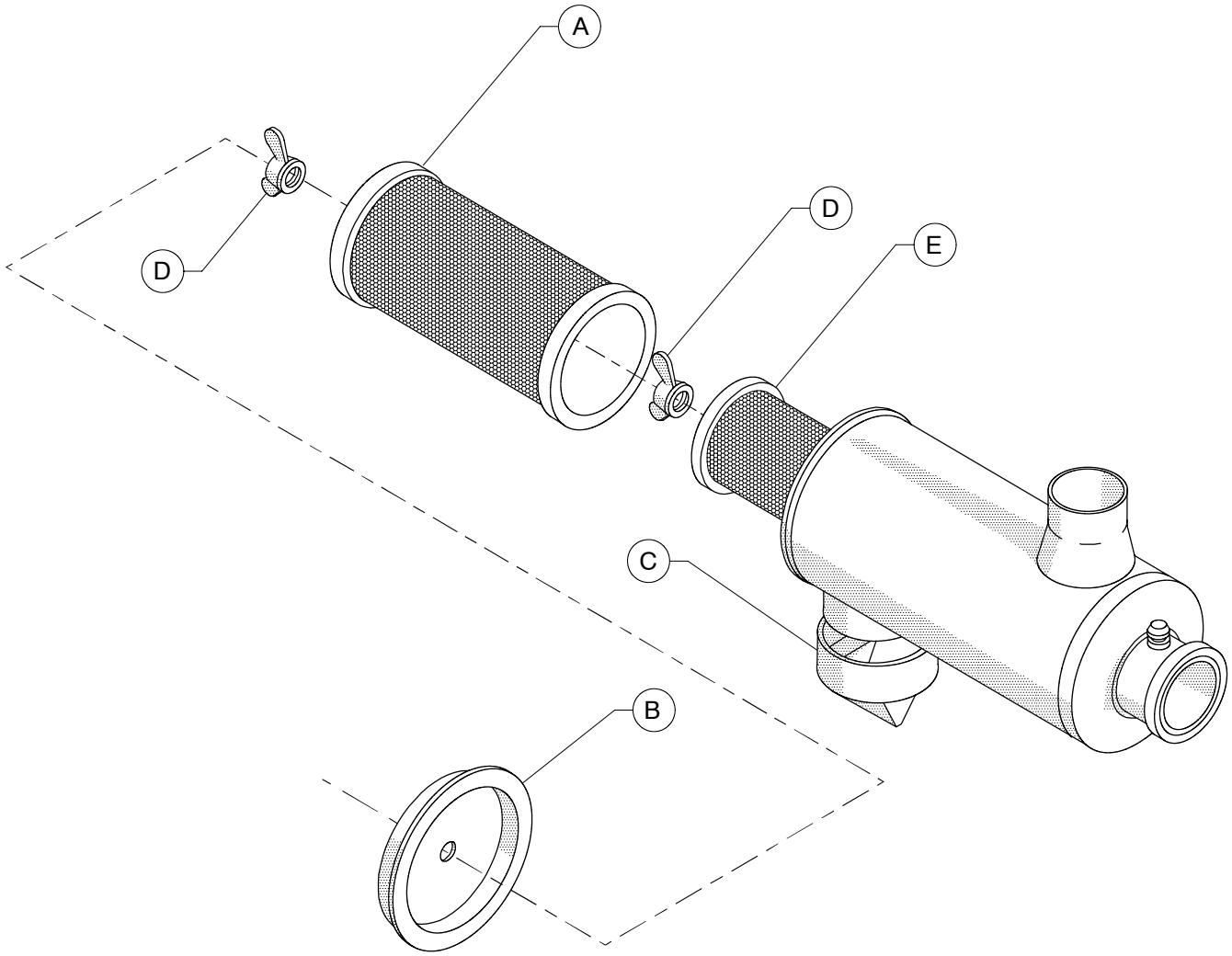
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/27/93 bd	DESCRIPTION AIR CLEANER ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-068	DATE/REV: 2/96 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	35388883	1	AIR CLEANER BODY
B	36876423	1	AIR CLEANER ELEMENT
C	35326032	1	COVER
D	35388891	1	VACUATOR VALVE
E	35291475	1	NUT
F			

ENGINE AIR CLEANER ASSEMBLY 36862829

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 10/27/93 bd	DESCRIPTION AIR CLEANER ASSEMBLY	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-069	DATE/REV: 2/96 B



A/E AIR CLEANER ASSEMBLY 36863900
FOR P375 and HP300 UNITS ONLY

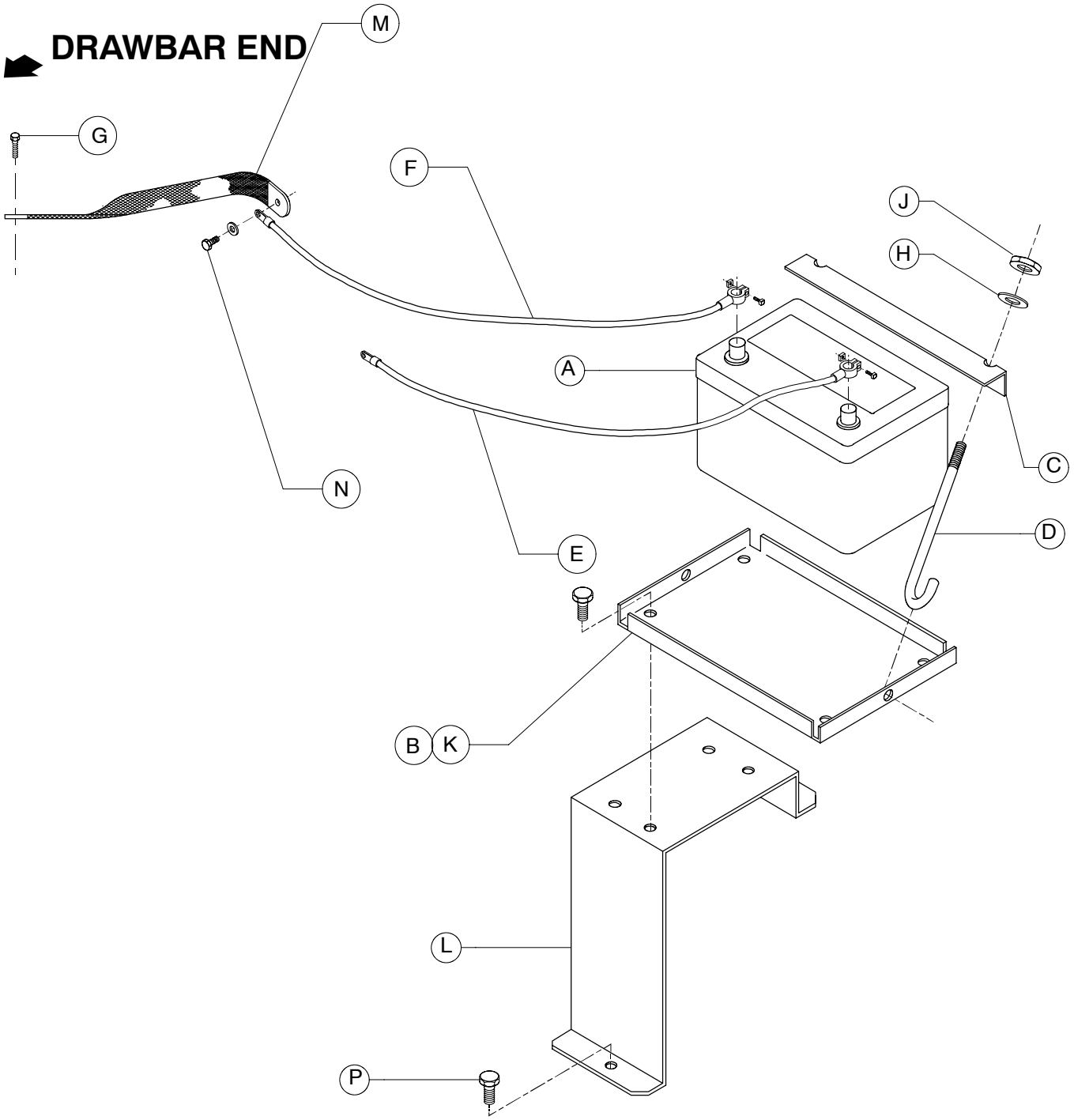
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 2/27/92 bd	DESCRIPTION AIR CLEANER ASSEMBLY	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-070	DATE/REV: 2/96 B

ITEM	C.P.N.	QTY	DESCRIPTION
A	35326230	1	ELEMENT
B	35326222	1	COVER
C	35326214	1	VACUATOR VALVE
D	35291475	2	NUT
E	35377696	1	SAFETY ELEMENT

A/E AIR CLEANER ASSEMBLY 36863900

FOR P375 and HP300 UNITS ONLY

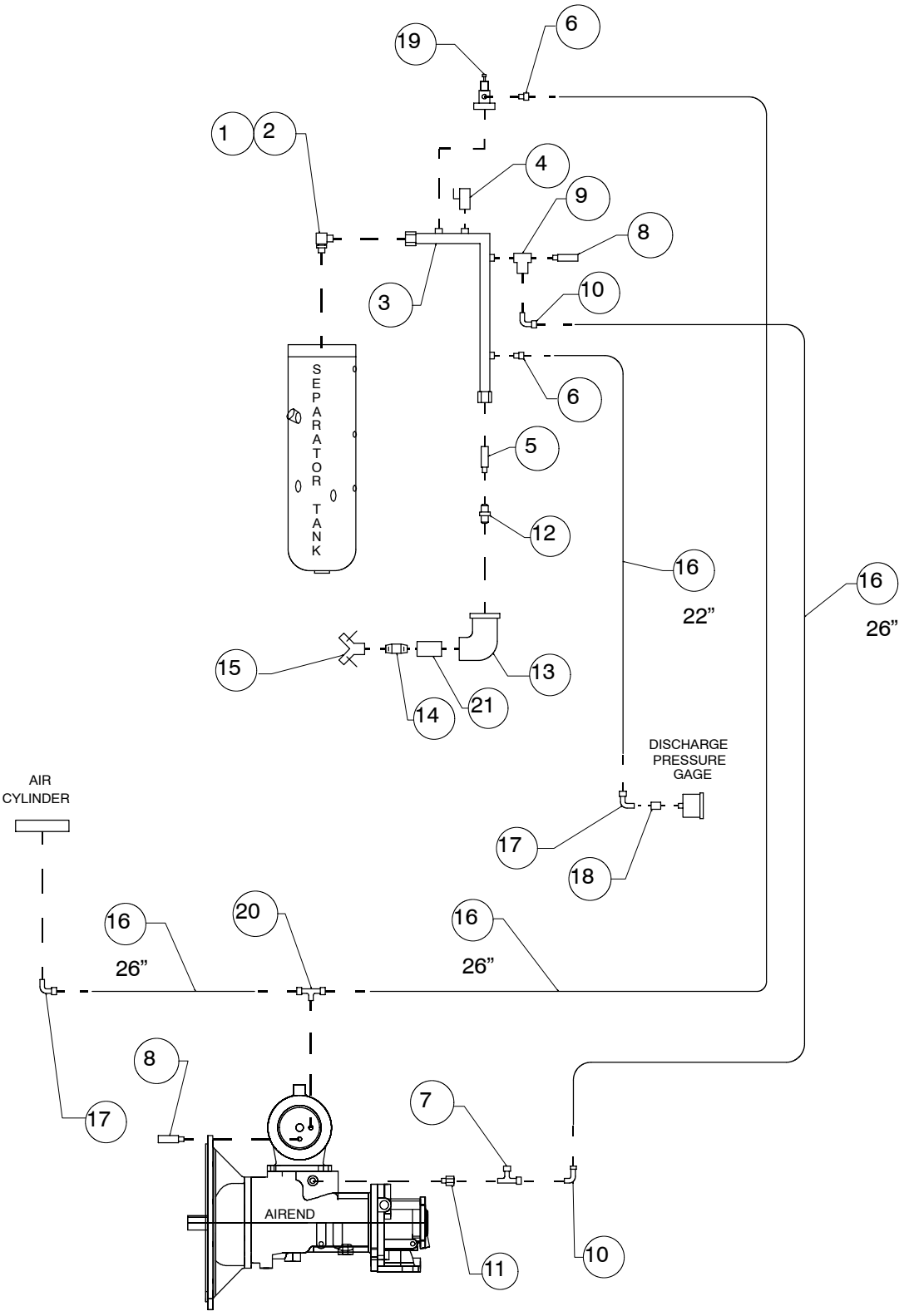
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 2/27/92 bd	DESCRIPTION AIR CLEANER ASSEMBLY	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-071	DATE/REV: 2/96 B



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/24/95 bd	BATTERY ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-072	2/96 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	36844264	1	BATTERY, 12 VDC
B	36853232	1	BATTERY TRAY
C	36853257	1	HOLD-DOWN ANGLE
D	36853240	2	BATTERY HOOK
E	35516582	1	POSITIVE BATTERY CABLE
F	36870609	1	NEGATIVE BATTERY CABLE
G	35130293	1	SCREW, TAPPING 3/8-16 X 3/4
H	36853265	2	WASHER, PLASTIC
J	35144492	2	NUT, LOCK 1/4-20
K	92368687	4	SCREW, TAPPING M06-100 X 14
L	36879096	1	BRACKET, BATTERY MOUNTING
M	35293075	1	GROUND STRAP
N	35295757	1	SCREW, HEX M12-175 X 20
P	36797652	2	SCREW, TAPPING M06-100 X 12

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
10/11/95 bd	BATTERY ASSEMBLY	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-073	2/96 A



FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/1/96 bd	DESCRIPTION AIR PIPING	
MODEL NO. P-250WCU P-250WJD	MANUAL NO. 35392877-074	DATE/REV: 2/96 A

ITEM	C.P.N.	DESCRIPTION	
1	35279777	ELB 90 1-5/8-12 X -20JIC	
2	35279942	O-RING	
3	36879039	TUBE SERVICE AIR	
4	35324839	VALVE, BALL 1/4 NPT	
5	36865434	NOZZLE, .453 ORIFICE SONIC	**{PRIOR TO S/N 305271}**
	36923928	NOZZLE, .453 ORIFICE SONIC	**{BEGIN WITH S/N 305271}**
6	35369347	CONN ML 1/4NPT X 3/8TB	
7	35114545	TEE STREET 1/4 NPT	
8	36766756	ORIFICE MUFFLER .140	
9 *	35322379	BLOWDOWN VALVE	
10	35369354	ELBOW ML 1/4NPT X 3/8TB	
11	353O2314	ADAPTER	
12	95219770	ADAPTER 1-1/4NPT X 1-1/4JIC	
13	95944104	ELB ST 1-1/4NPT X 90	
14	19A7S55Z1	NIPPLE 1-1/4 X 3 LG	
15	36779056	VALVE WYE 1-1/4 X 3/4 X 3/4	
16 **	35356484	TUBING 3/8 OD SYNFLEX	
17	35370386	ELB ML 1/8NPT X 3/8TB	
18	95930319	COUPLING 1/8NPT	
19 ***	36854149	VALVE PRESS REG 100PSI	
20	35373976	TEE 1/4NPT X 3/8TB	
21	95953451	COUPLING 1-1/4 NPT	

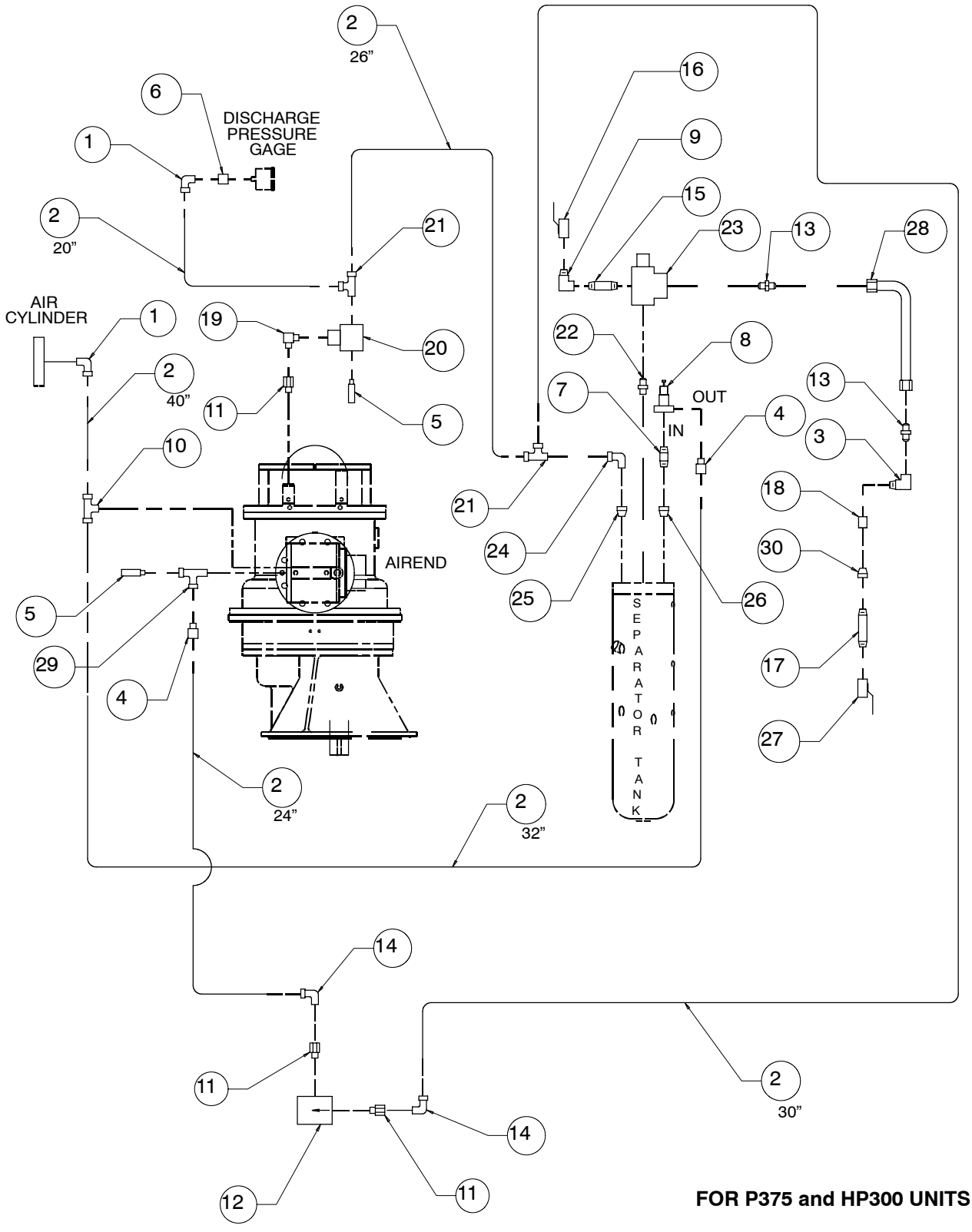
* 35379064 REPAIR KIT BLOWDOWN VALVE

** SPECIFY LENGTH WHEN ORDERING

*** 35387919 REPAIR KIT DIAPHRAM

FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/1/96 bd	DESCRIPTION: AIR PIPING	
MODEL NO.: P-250WCU P-250WJD	MANUAL NO.: 35392877-075	DATE/REV: 11/99 B



FOR P375 and HP300 UNITS ONLY

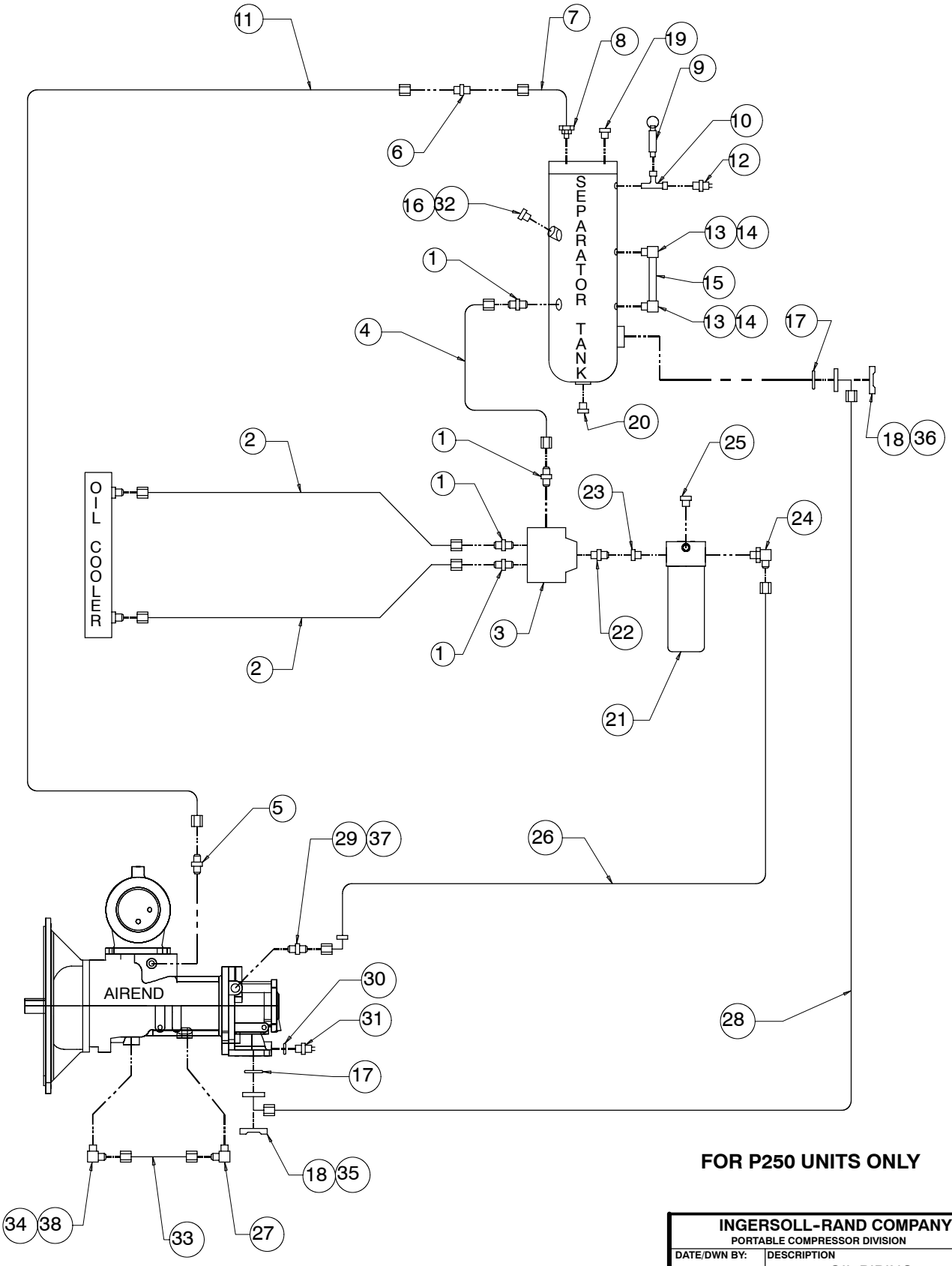
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/1/96 bd	DESCRIPTION AIR PIPING	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-076	DATE/REV: 2/96 A

ITEM		C.P.N.	DESCRIPTION
1		35370386	ELB ML 1/8NPT X 3/8TB
2		35356484	TBG 3/8 OD SYNFLEX
3		95953311	ELB ST 1-1/2NPT
4		35369347	C0NN ML 1/4NPT X 3/8TB
5		36766756	ORF MUF .140
6		95930319	CPLG 1/8NPT
7		19A7J2Z1	NIP 1/4NPT X 7/8 LG
8		36854149	VLV, PRESS REGULATOR (P375)
	*	36847952	VLV, PRESS REGULATOR (HP300)
9		95928172	ELB ST 3/4NPT
10		35373976	TEE ML 1/4NPT X 3/8TB
11		35302314	ADAPTER
12		36783439	VLV, 2 WAY START/RUN
13		95208682	ADAPTER, 1-1/2 NPT X 1-1/2 JIC
14		35369354	ELB ML 1/4NPT X 3/8TB
15		95928040	NIP CL 3/4NPT
16		35576115	VLV, BALL 3/4NPT
17		95242988	NIP CL 1-1/4NPT
18		95937454	CPLG 1-1/2NPT
19		95364469	ELB 1/4MPT X 1/4MPT
20		35322379	VLV, BLOWDOWN
21		35369503	TEE ML 1/4NPT X 3/8TB
22		36881068	ADAPTER 1-1/2NPT X 1-7/8 O-RING
23		36789550	VLV, MIN PRESS 80 PSI
24		95944666	ELB ST 1/4 NPT
25		95940748	BSHG 3/8NPT X 1/4NPT
26		95944625	BSHG 1/2NPT X 1/4NPT
27		35612126	VLV, BALL 1-1/4NPT VENTED
28		36879047	TUBE, SERVICE AIR
29		35114545	TEE ST 1/4NPT
30		95953824	BSHG 1-1/2 NPT X 1-1/4 NPT

* 35387919 DIAPHRAGM REPAIR KIT

FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/4/96 bd	DESCRIPTION AIR PIPING	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-077	DATE/REV: 2/96 A

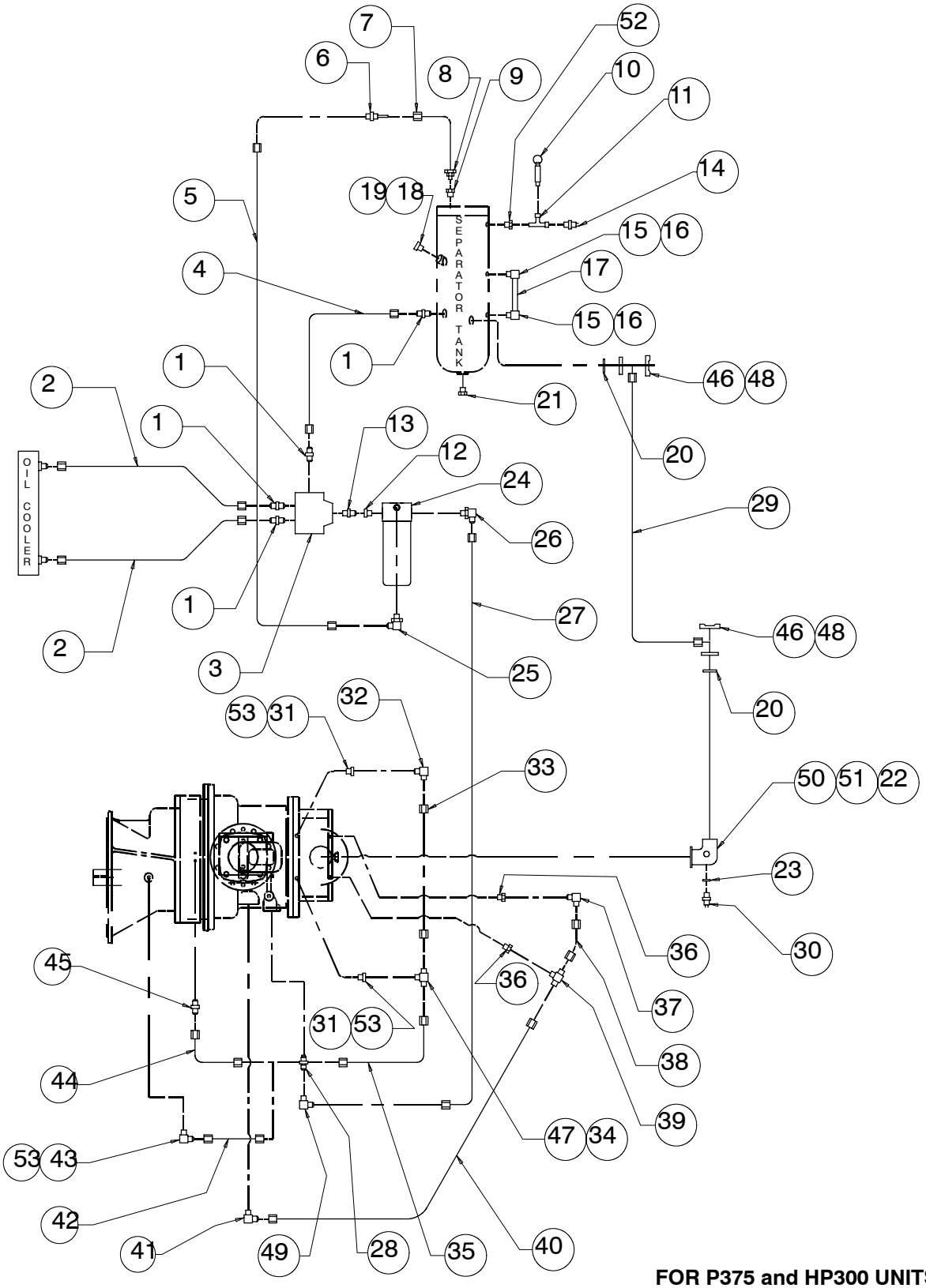


FOR P250 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
3/1/96 bd	OIL PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU P-250WJD	35392877-078	2/96 A

ITEM	C.P.N.	DESCRIPTION	
1	95955993	ST. CONN - 1.312 -12 X -16 JIC W/O-RING	
2	36877652	TUBE ASSY	
3	36876787	OIL TEMP BYPASS VALVE	
4	35227909	HOSE ASSY -16 JIC X 25.0	
5	35283472	CONNECTOR .25NPT X -4 JIC	
6	36840437	IN LINE ORIFICE/CHK VLV	
7	36781227	TUBE SCAVENGE LINE	
8	35329309	LENZ FITTING	
9	35325224	VALVE, SAFETY	
10	95944708	ST TEE .50 NPT	
11	35315407	HOSE ASSY -4 JIC	
12	36865756	SW. SHUTDOWN	
13	36860468	SIGHT TUBE FITTING	
14	35324649	GASKET	
15	92121532	TUBE ,SIGHT	
16	35579630	PLUG, VENTED 1.625 O-RING	
17	95357976	O-RING	
18	35292143	FLANGE HALF (2 REQD)	
19	95928230	PLUG, .25 NPT	
20	95280541	PLUG, .75NPT	
21	36739514	FILTER ASSY, OIL	**{PRIOR TO S/N 300624}**
	36897387	FILTER ASSY, OIL	**{BEGIN WITH S/N 300624}**
22	552A10S073P	REDUCER 16 -12	
23	550AI0S060P	UNION FIG -12 W/O-RING	
24	35294750	ELB CONN 1.06 -12 W/O-RING	
25	35288679	PLUG, .562 -18 W/O-RING	
26	36773216	HOSE ASSY -12 JIC	
27	95365094	ELBOW 90□ .56 -18 X -4 JIC	
28	36877926	HOSE ASSY -32 (CU)	
	36877934	HOSE ASSY (JD)	
29	95303392	ADAPTOR .875-14 X -12 JIC	
30	39404165	O-RING	
31	35596436	SW. SHUTDOWN	
32	35279942	O-RING	
33	35589803	TUBE ASSY	
34	35279876	ELBOW 90□ .437 -20 W/O-RING	
35	36877793	SCR FLG HD M12-1.75 X 40 LG (4 REQD)	
36	35291640	SCR M14-2.0 X 40 LG (4 REQD)	**FOR P250 UNITS ONLY**
37	35286533	O-RING	
38	35279959	O-RING	

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
3/1/96 bd	OIL PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
P-250WCU P-250WJD	35392877-079	5/99 C

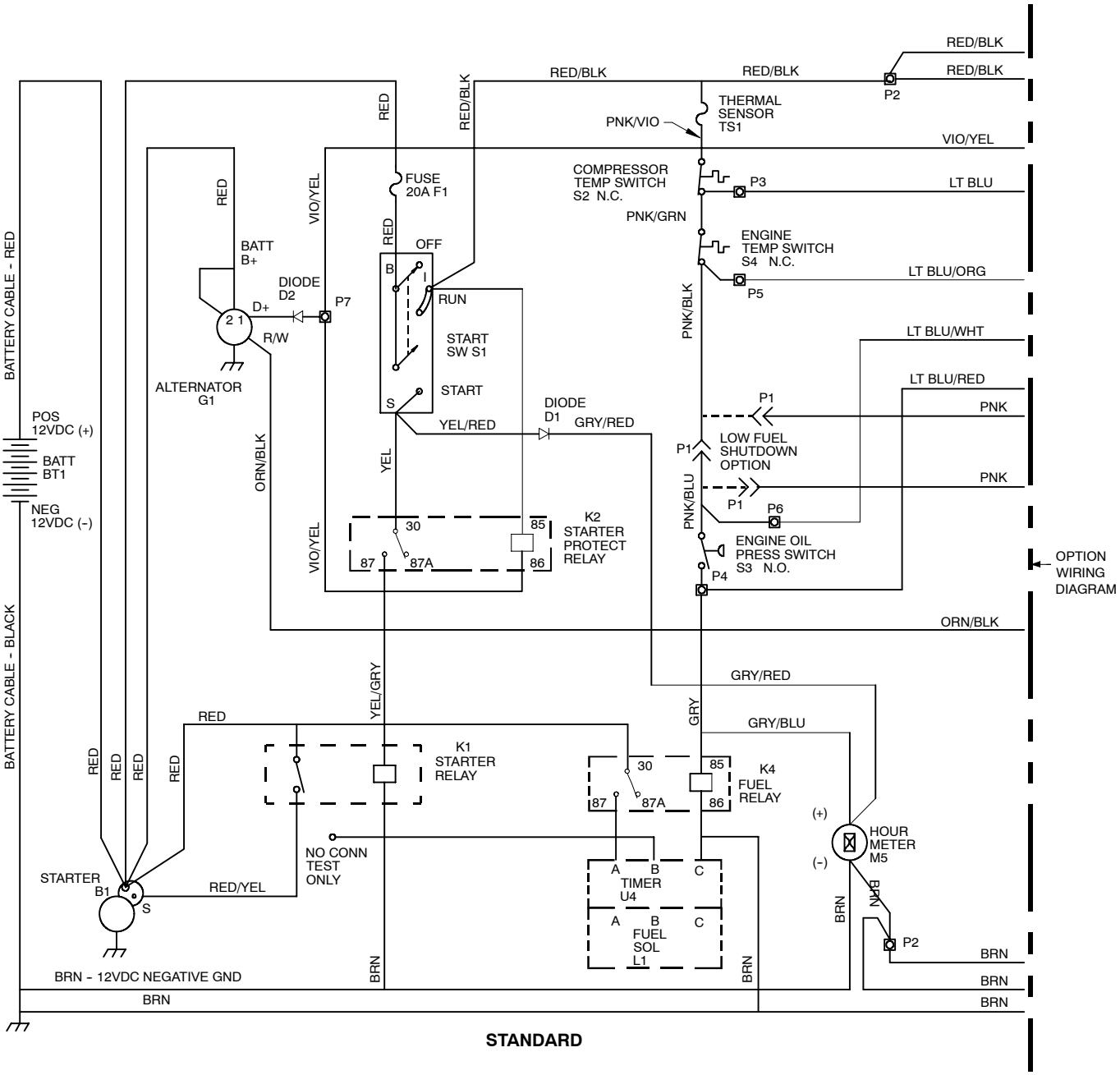


FOR P375 and HP300 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
3/1/96 bd	OIL PIPING	
MODEL NO.	MANUAL NO.	DATE/REV:
P-375WCU P-375WJD	35392877-080	2/96 A

ITEM	C.P.N.	DESCRIPTION	
1	95955993	ST. CONN. 1/312-12 X -16 JIC W/O-RING	**{PRIOR TO S/N 296791}**
	95469128	ELBOW 45° 1 5/16 TO -16	**{BEGIN WITH S/N 296791}**
2	36877652	TUBE ASSY	
3	36876787	OIL TEMP BYPASS VALVE	
4	35227909	HOSE ASSY -16 X 25.0	
5	35315407	HOSE ASSY	
6	36840411	CHECK VALVE	
7	36781227	TUBE SCAVENGE LINE	
8	35329309	LENZ FITTING	
9	95953956	BUSHING .75 NPT - .375 NPT	
10	35325232	VALVE SAFETY (P375)	
	36784114	VALVE SAFETY (HP300)	**{PRIOR TO S/N 296791}**
	36920254	VALVE SAFETY (HP300)	**{BEGIN WITH S/N 296791}**
11	95944708	ST. TEE .50 NPT	
12	552A10S102P	REDUCER 20 -16	
13	550A10S080P	UNION FTG -16 O-RING	
14	36865756	SW. SHUTDOWN	
15	36860468	SIGHT TUBE FITTING	
16	35324649	GASKET	
17	92121532	TUBE, SIGHT	
18	35579630	PLUG, VENTED 1.625	
19	35279942	O-RING	
20	95357976	O-RING	
21	95280541	PLUG HEX .75 NPT X 1.06-12	
22	35375385	SCREW M 16 -2 C 40 LG. (4 REQ'D)	
23	39404165	O-RING	
24	36877363	OIL FILTER	**{PRIOR TO S/N 300624}**
	36897387	OIL FILTER	**{BEGIN WITH S/N 300624}**
25	95365094	ELBOW, 90° .562 -47 W/O-RING	
26	95376133	ELBOW, 90° 1.625 -12 X 1.312 -12 JIC W/O-RING	
27	36792000	HOSE ASSY -32	
28	36845154	OIL MANIFOLD	
29	36877934	HOSE ASSY (JD UNITS)	
	36881084	HOSE ASSY -32 (CU UNITS)	
30	35596436	SW. SHUTDOWN	
31	35287945	EXPANDER .437-20 X .562-18 W/O-RING	
32	35279827	ELBOW, 90° .562-18 W/O-RING	
33	36795482	TUBE ASSY	
34	35279843	TEE BRANCH .562-18 W/O-RING	
35	36846087	TUBE ASSY	
36	36846095	EXPANDER .75-16 X .875-14 W/O-RING	
37	35286491	ELBOW, 90° .875-14 W/O-RING	
38	36846111	TUBE ASSY	
39	36846129	TEE BRANCH .875-14 W/O-RING	
40	36846103	TUBE ASSY	
41	35305622	ELBOW, 90° .75-16 X -10 JIC W/O-RING	
42	36846152	TUBE ASSY	
43	35279884	ELBOW, 45° .437-20 W/O-RING	
44	36879013	TUBE ASSY	
45	95402806	ST. CONN. .437-20 X -6 JIC W/O-RING	
46	35292143	FLANGE HALF (2 REQ'D)	
47	35278571	O-RING	
48	35291640	SCREW M 14-2 X 40 LG. (4 REQ'D)	
49	35292051	ELBOW 90° SW NUT 1.312-12 X -16 JIC	
50	35575570	GASKET	**FOR P375 and HP300 UNITS ONLY**
51	35842160	ELBOW	
52	95953949	BUSHING .75 NPT - .50 NPT	
53	35279959	O-RING	

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 3/1/96 bd	DESCRIPTION: OIL PIPING	
MODEL NO. P-375WCU P-375WJD	MANUAL NO. 35392877-081	DATE/REV: 1/99 C



STANDARD

PRIOR TO SN 310178

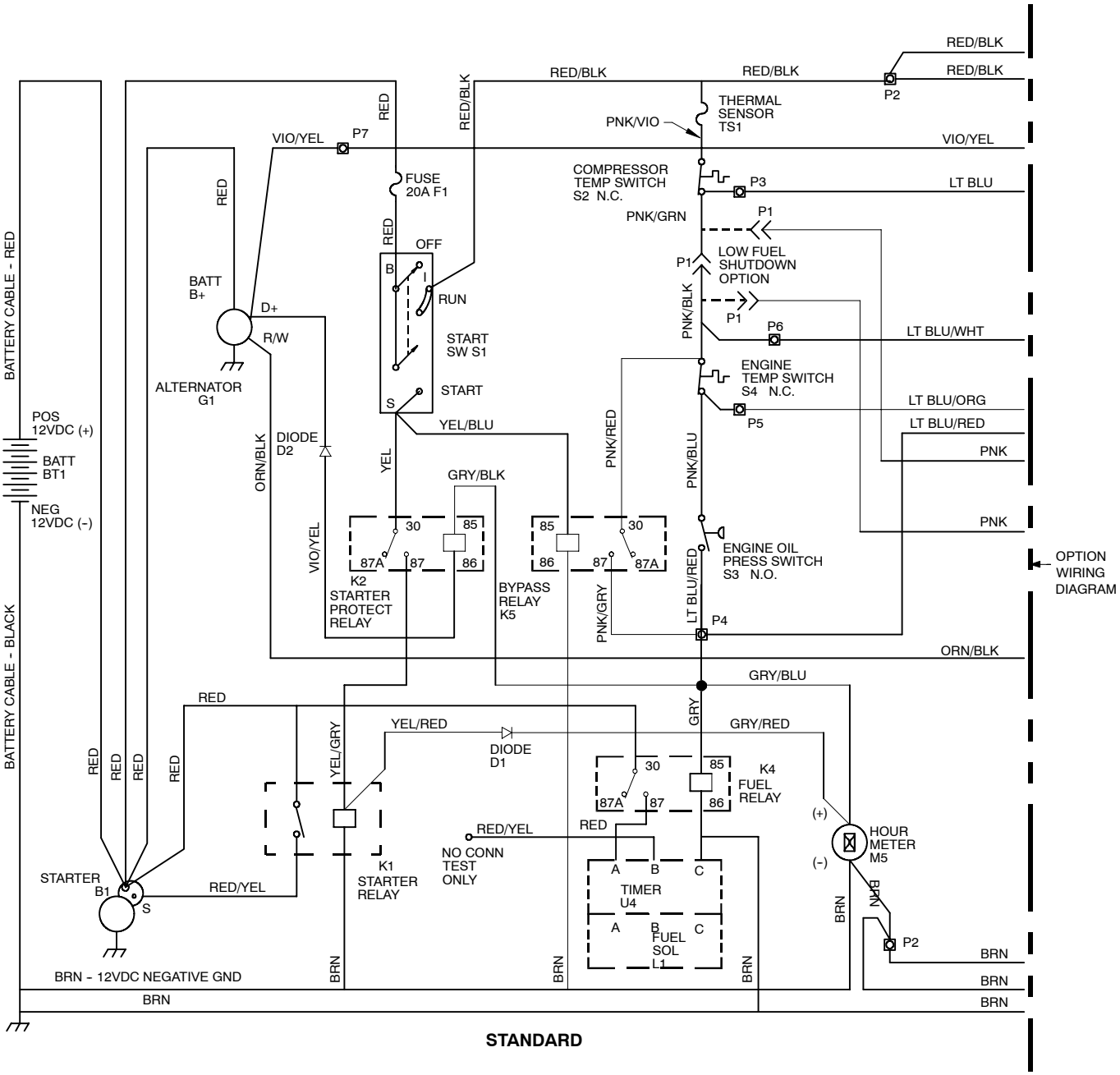
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 11/12/97 bd	DESCRIPTION STD WIRING DIAGRAM	
MODEL NO. OMEGA	MANUAL NO. 35392877-082	DATE/REV: 11/97 A

ITEM	C.P.N.	DESCRIPTION
B1	*	STARTER
BT1	36844264	BATTERY
D1	35376169	DIODE
D2	35376169	DIODE
F1	36792083	FUSE, 20A
G1	*	ALTERNATOR
K1	36856250	RELAY,STARTER
K2	36873861	RELAY, START PROTECT
K4	36878361	RELAY, FUEL
K5	36878361	RELAY, BYPASS
L1	*	SOLENOID, FUEL
M5	36879880	HOURMETER
S1	36884211	SWITCH, START
S2	35596436	SWITCH, CPRSR TEMP
S3	36878379	SWITCH, ENGINE OIL
S4	36880706	SWITCH, ENGINE TEMP
TS1	36865756	SENSOR, THERMAL
U4	36887321	TIMER MODULE
W1	36884682	HARNESS, ENGINE
W2	36886265	HARNESS, ADAPTER

* FURNISHED BY ENGINE MANUFACTURER

PRIOR TO SN 310178

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 11/12/97 bd	DESCRIPTION STD WIRING DIAGRAM	
MODEL NO. OMEGA	MANUAL NO. 35392877-083	DATE/REV: 1/99 B



STANDARD

BEGINNING WITH SN 310178

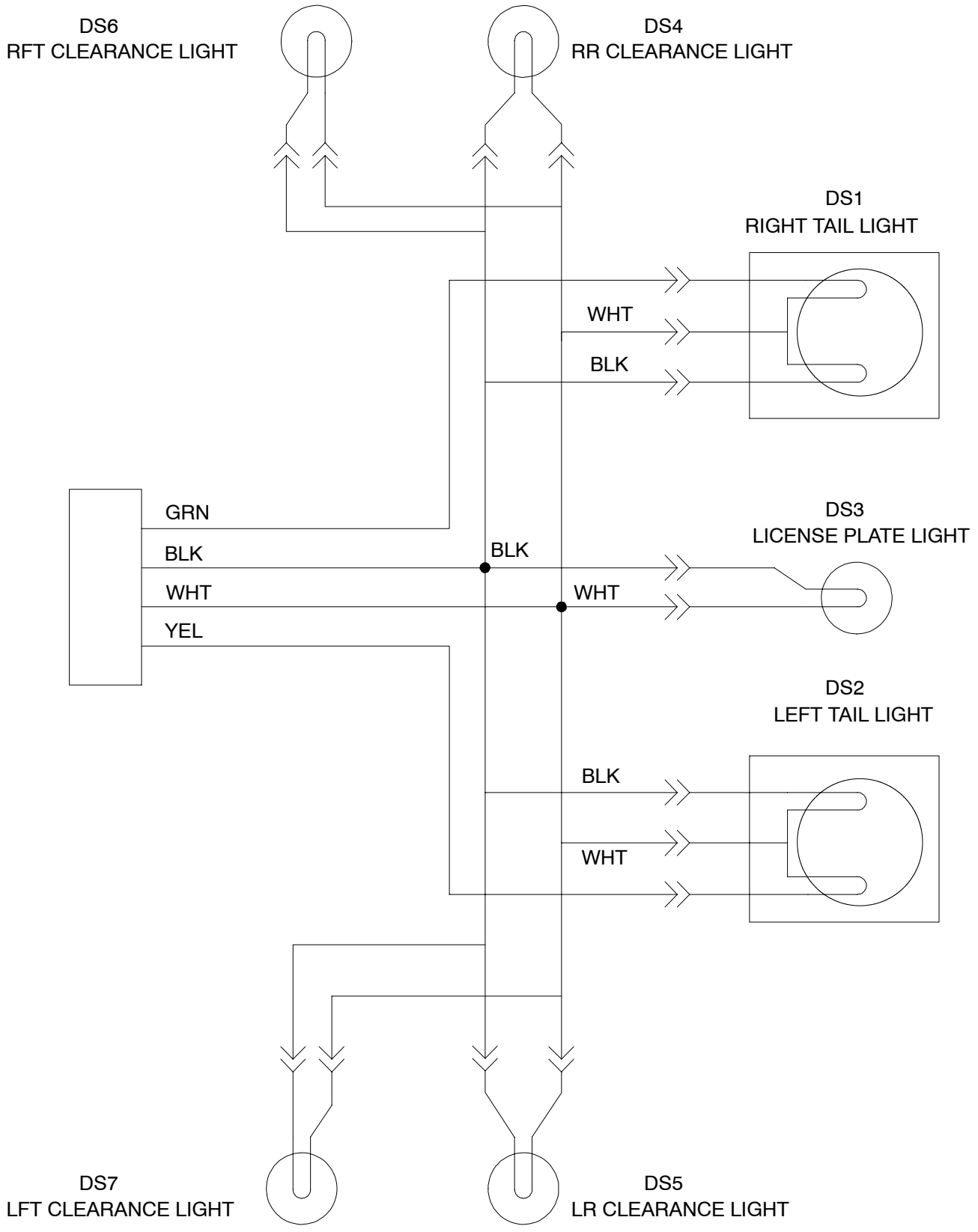
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 11/12/97 bd	DESCRIPTION STD WIRING DIAGRAM	
MODEL NO. OMEGA	MANUAL NO. 35392877-082	DATE/REV: 4/00 B

ITEM	C.P.N.	DESCRIPTION
B1	*	STARTER
BT1	36844264	BATTERY
D1	35376169	DIODE
D2	35376169	DIODE
F1	36792083	FUSE, 20A
G1	*	ALTERNATOR
K1	36856250	RELAY,STARTER
K2	36873861	RELAY, START PROTECT
K4	36878361	RELAY, FUEL
K5	36878361	RELAY, BYPASS
L1	*	SOLENOID, FUEL
M5	36879880	HOURMETER
S1	36884211	SWITCH, START
S2	35596436	SWITCH, CPRSR TEMP
S3	36878379	SWITCH, ENGINE OIL
S4	36880706	SWITCH, ENGINE TEMP
TS1	36865756	SENSOR, THERMAL
U4	36887321	TIMER MODULE
W1	54446570	HARNESS, ENGINE
W2	36886265	HARNESS, ADAPTER

* FURNISHED BY ENGINE MANUFACTURER

BEGINNING WITH SN 310178

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 11/12/97 bd	DESCRIPTION STD WIRING DIAGRAM	
MODEL NO. OMEGA	MANUAL NO. 35392877-083	DATE/REV: 4/00 C



NOTE:
WHITE WIRE MAY BE FRAME GROUND.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 11/12/97 bd	DESCRIPTION STD WIRING DIAGRAM	
MODEL NO. OMEGA	MANUAL NO. 35392877-084	DATE/REV: 11/97 A

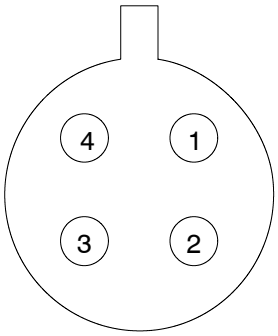
ITEM	C.P.N.	DESCRIPTION
DS1	36788081	LAMP ASSEMBLY
DS2	36788081	LAMP ASSEMBLY
DS3	36895860	LIGHT, LICENSE
DS4	35367044	LAMP, RED CLEARANCE
DS5	35367051	LAMP, YELLOW CLEARANCE
DS6	35367044	LAMP, RED CLEARANCE
DS7	35367051	LAMP, YELLOW CLEARANCE
W2	36895852	HARNESS, 2-LIGHT SYSTEM

AVAILABLE FROM I-R:

PLUG	SOCKET
35288760	35288752

NOTE:

STANDARD MACHINE IS SUPPLIED WITHOUT PLUG ON LIGHT HARNESS.

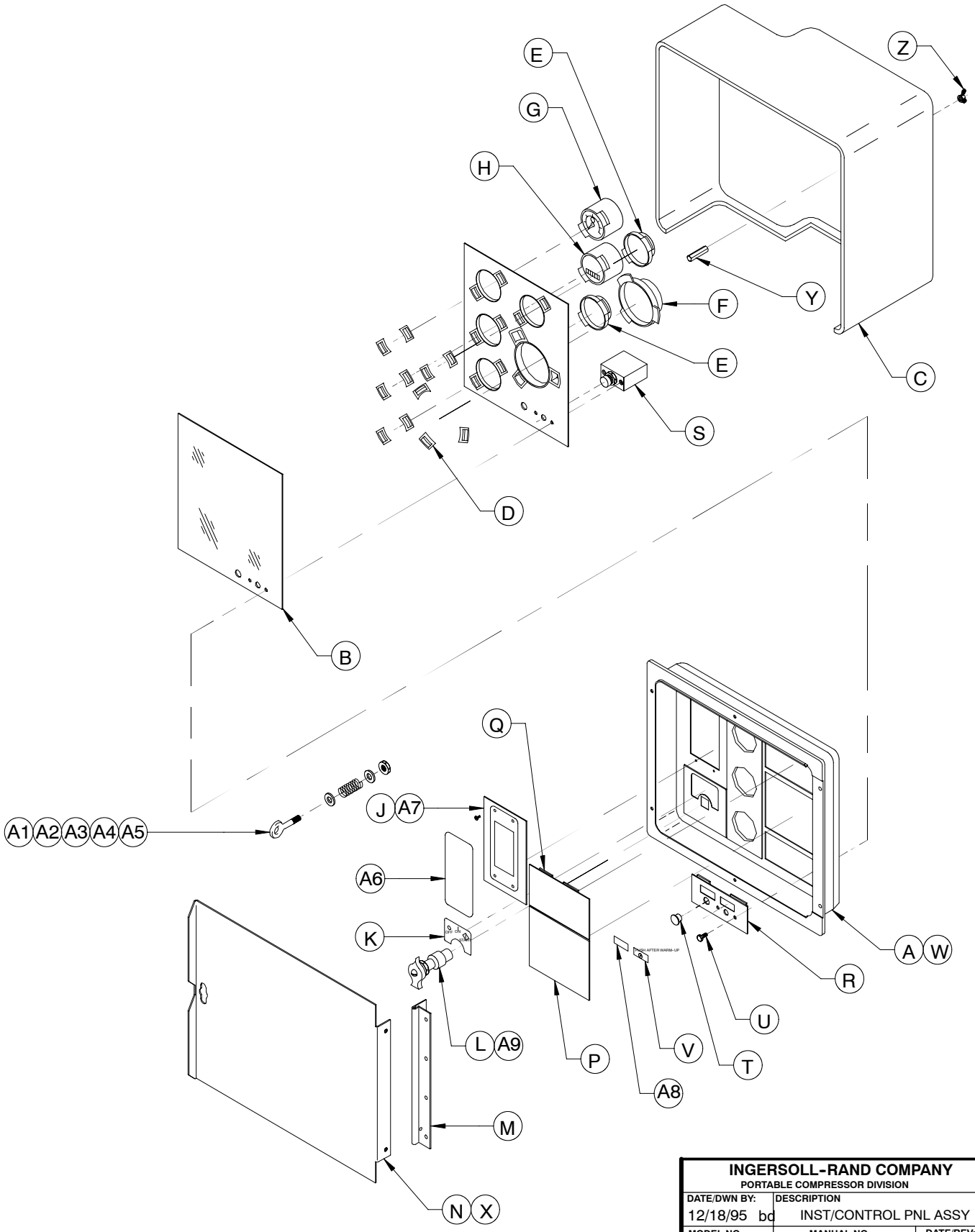


PLUG / SOCKET WIRING CONNECTIONS

1 YELLOW - LEFT TURN AND STOP-LIGHT
2 BLACK - TAIL LIGHTS
3 WHITE - GROUND
4 GREEN- RIGHT TURN AND STOP-LIGHT

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
11/12/97 bd	STD WIRING DIAGRAM	
MODEL NO.	MANUAL NO.	DATE/REV:
OMEGA	35392877-085	11/97 A

DRAWBAR END



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
12/18/95 bd	INST/CONTROL PNL ASSY	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-086	DATE/REV: 12/96 C

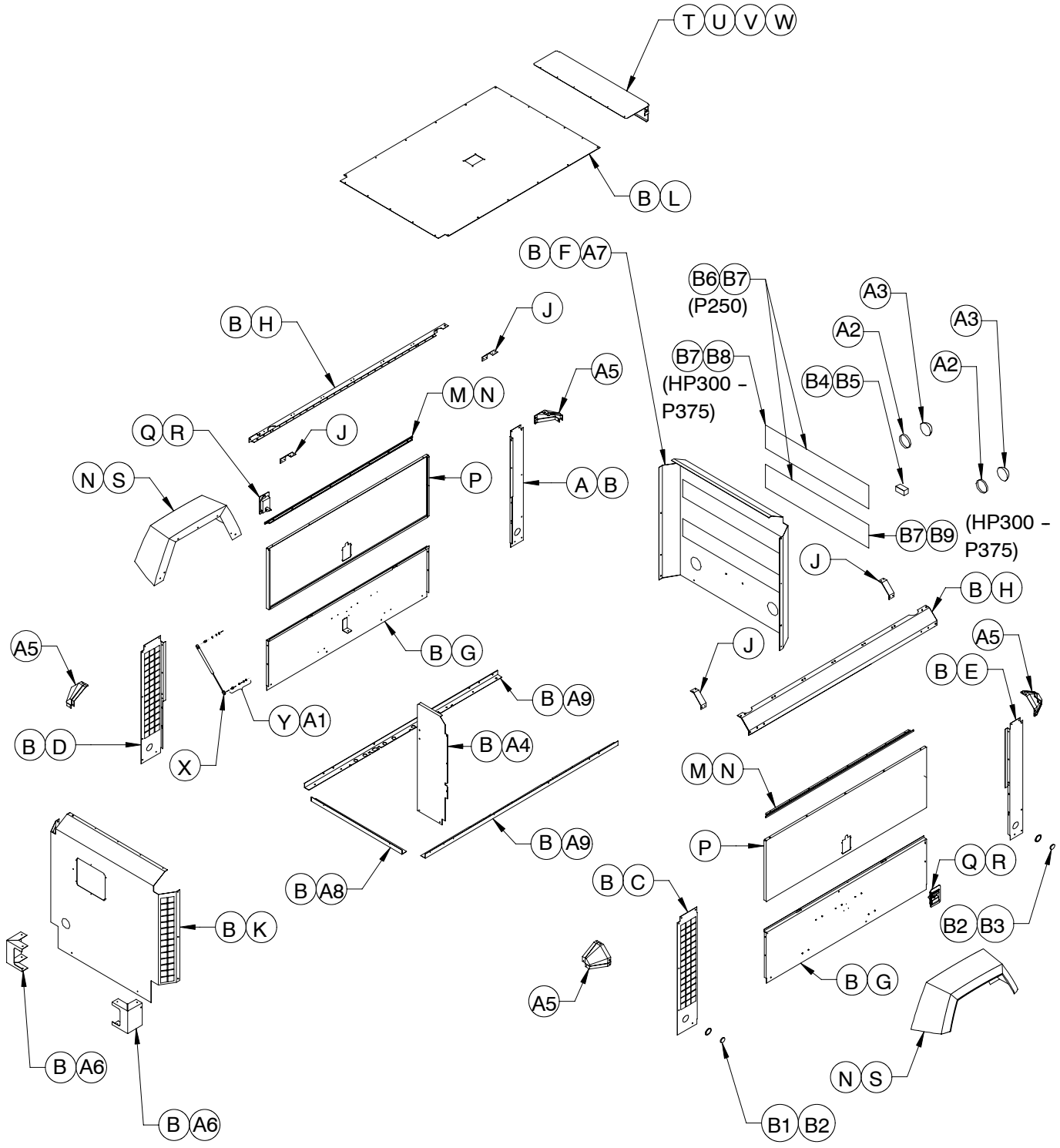
ITEM		C.P.N.	QTY	DESCRIPTION	
A		36884492	1	RECESSED FRAME ASSEMBLY	
B		35390368	1	PANEL, ACRYLIC	
C		36879948	1	COVER, REAR CONTROL PANEL	
D		36880730	11	CLIP, GAUGE RETAINING	
E		35390319	2	CAP, 2” GAUGE	
F		35390301	1	CAP, 3.38” GAUGE	
G		36879898	1	GAUGE, 150 PSI PRESSURE (P250, P375)	
		36879906	1	GAUGE, 250 PSI PRESSURE (HP300)	
H		36879880	1	HOURMETER	
J		35390343	1	COVER, WARNING MODULE	
K		36879971	1	DECAL, SWITCH	
L		36884211	1	SWITCH, IGNITION	
M		36879930	1	HINGE, CONTROL PANEL	
N		36879922	1	DOOR, INSTRUMENT PANEL	
		54523618	1	DOOR, GALVANNEAL INST PANEL	
P		35390293	1	COVER, 3.38” BEZEL	
Q		35390285	1	COVER, 2.06” BEZEL	
R		35390327	1	COVER, SWITCH PANEL (P250 ONLY)	
	*	36879708	1	BEZEL, SWITCH PANEL (HP300 & P375 ONLY)	
S	*	36783439	1	VALVE, 2-WAY START-RUN (HP300 & P375 ONLY)	
T	*	35390335	1	PLUG (HP300 & P375 ONLY)	
U	*	36882207	2	SCREW, HEX HD M06-100 X 14 (HP300 & P375 ONLY)	
V	*	36879963	1	DECAL, START-RUN (HP300 & P375 ONLY)	
W		36881118	6	RIVET	**{PRIOR TO S/N 296411}**
		36920486	6	RIVET 3/16 SS	**{BEGIN WITH S/N 296411}**
X		36877587	2	RIVET	
Y		36879849	1	STANDOFF, M06	
Z		36881167	1	WINGNUT, M06	
A1		35607829	1	EYEBOLT	
A2		95935029	1	WASHER, FLAT	
A3		36772028	1	WASHER, PLASTIC	
A4		35607837	1	SPRING	
A5		95923298	1	NUT, HEX 1/4-20	
A6		36882173	1	LABEL, BLANK WARNING MODULE	
A7		35390400	2	SCREW, FLAT PH #6 X 3/8	
A8	*	36879955	1	DECAL, ETHER	
A9		36884229	1	KEY	

* ITEMS ON HP300 AND P375 UNITS ONLY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/4/96 bd	INST/CONTROL PNL ASSY	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-087	DATE/REV: 7/00 F

DRAWBAR END

BEGINNING WITH SN 296791



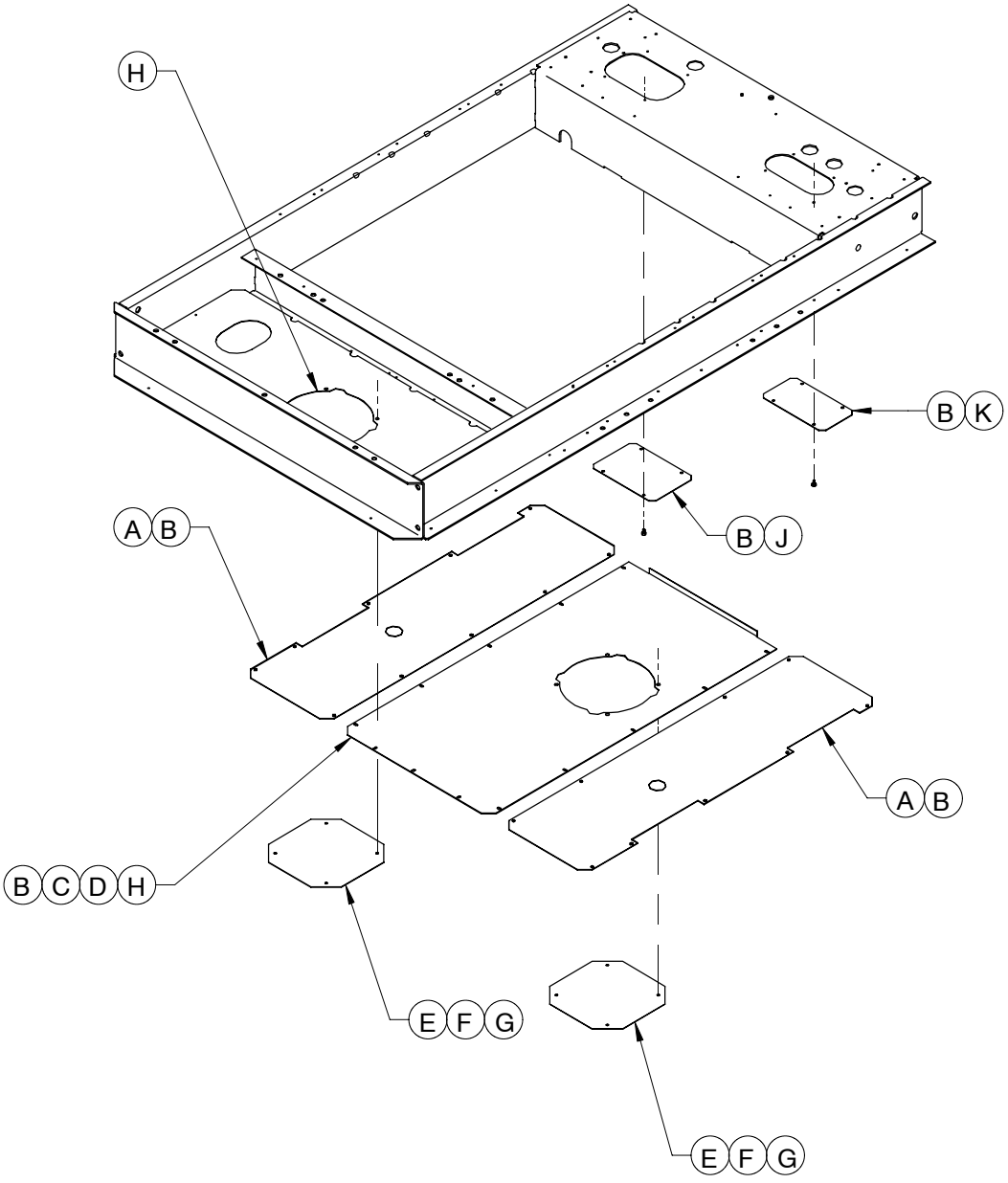
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/16/96 bd	ENCLOSURE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-088	12/98 H

ITEM		C.P.N.	QTY	DESCRIPTION	
A		36894319	1	PANEL, CRBSD REAR SIDE	
B		36797652	76	SCREW, TAPPING M06-100 X 12	
C		36894327	1	PANEL, STSD FRONT SIDE	
D		36894335	1	PANEL, CRBSD FRONT SIDE	
E		36894301	1	PANEL, STSD REAR SIDE	
F		36897205	1	PANEL, REAR END CAP	
G		36897544	2	PANEL, LOWER SIDE	
H		36877066	2	RAIL, TOP	
J		36755742	4	SRRIP, CONNECTOR	
K		36877132	1	PANEL, FRONT END CAP (P375 & HP300)	
		36885929	1	PANEL, FRONT END CAP (P250)	
L		36877090	1	PANEL, FRONT ROOF	
M		36883437	2	HINGE, SIDE DOOR	
N		92368687	60	SCREW, TAPPING M06-100 X 14	
P		36879161	2	DOOR, SIDE	
Q		36793602	2	LATCH, DOOR SLAM	
R		36794816	8	RIVET	
S		36877579	2	FENDER	
T		36877082	1	PANEL, REAR ROOF	
U		36877181	1	HINGE, ROOF	
V		36843282	11	RIVET	
W		35278720	2	PIN, QUICK RELEASE	
X		35600261	4	SPRING, GAS	
Y		35337328	8	STUD, BALL M08-125	
Z		~		~	
A1		36881886	8	NUT, HEX M08-1.25	
A2		36787968	2	GROMMET	
A3		36788081	2	LIGHT	
A4		36877165	1	BAFFLE, AIR INTAKE	
A5	*	36755981	4	PIECE, END CAP CORNER	
A6		36879062	2	COVER, FRONT CORNER	
A7		36794774	18	GROMMET, SCREW	
A8		36879138	1	SUPPORT, FRONT ENCLOSURE	
A9		36879146	2	SUPPORT, SIDE ENCLOSURE	
B1		35367051	2	LIGHT, YELLOW CLEARANCE	
B2		36893634	4	GROMMET, CLEARANCE LIGHT	
B3		35367044	2	LIGHT, RED CLEARANCE	
B4		36895860	1	LIGHT, LICENSE	
B5		36782837	2	SCREW, HEX SHT MTL #10 X 1	
B6		36885952	2	PANEL, ACCESS (P250)	**{BEGIN WITH S/N 296791}**
B7		36885085	16	SCREW, TAPPING 1/4-10 X 3/4	
B8		36921161	1	LOUVER, TOP ACCESS (HP300-P375)	**{BEGIN WITH S/N 296791}**
B9		36921179	1	PANEL, ACCESS (HP300-P375)	**{ FROM S/N 296792 TO 300870}**
		36885952	1	PANEL, ACCESS (HP300-P375)	**{BEGIN WITH S/N 300871}**

* FURNISHED WITH END CAPS.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/16/96 bd	ENCLOSURE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-089	7/00 K

DRAWBAR END

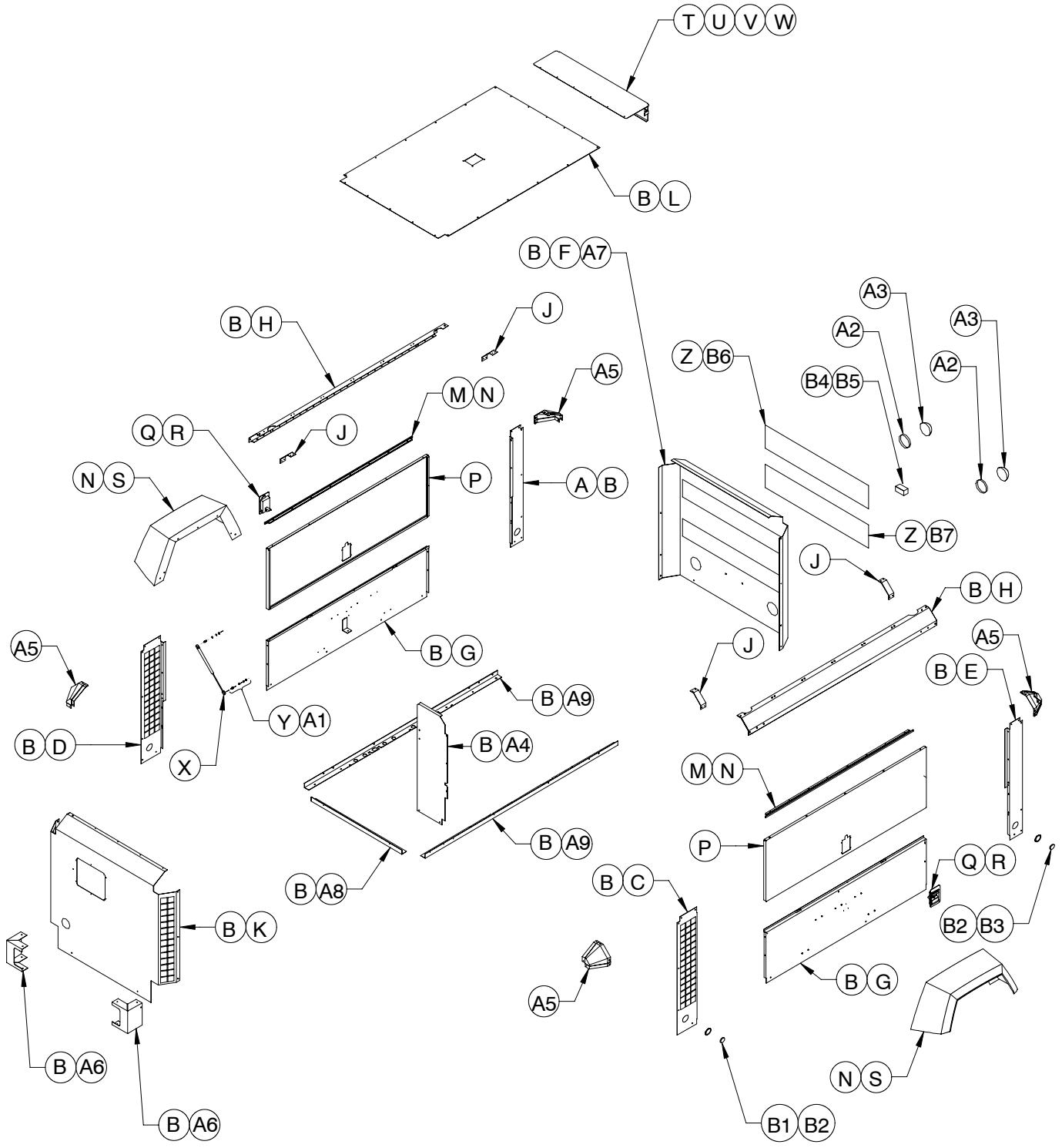


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/16/96 bd	ENCLOSURE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-090	7/00 D

ITEM	C.P.N.	QTY	DESCRIPTION
A	36879112	2	PAN,BELLY
B	36797652	21	SCREW, TAPPING M06-100 X 12
C	36879385	1	PAN, ENGINE-AIR END BELLY
D	35300771	10	SCREW, TAPPING M06-100 X 20
E	35279413	2	COVER, BELLY PAN
F	35256445	8	RETAINER
G	35256429	8	STUD, SHORT
H	35256452	8	RECEPTACLE, CLIP-ON
J	36879104	1	COVER, COOLER DRAIN
K	36867174	1	COVER, ENGINE OIL DRAIN

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/16/96 bd	ENCLOSURE COMPLETE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-091	7/00 D

DRAWBAR END



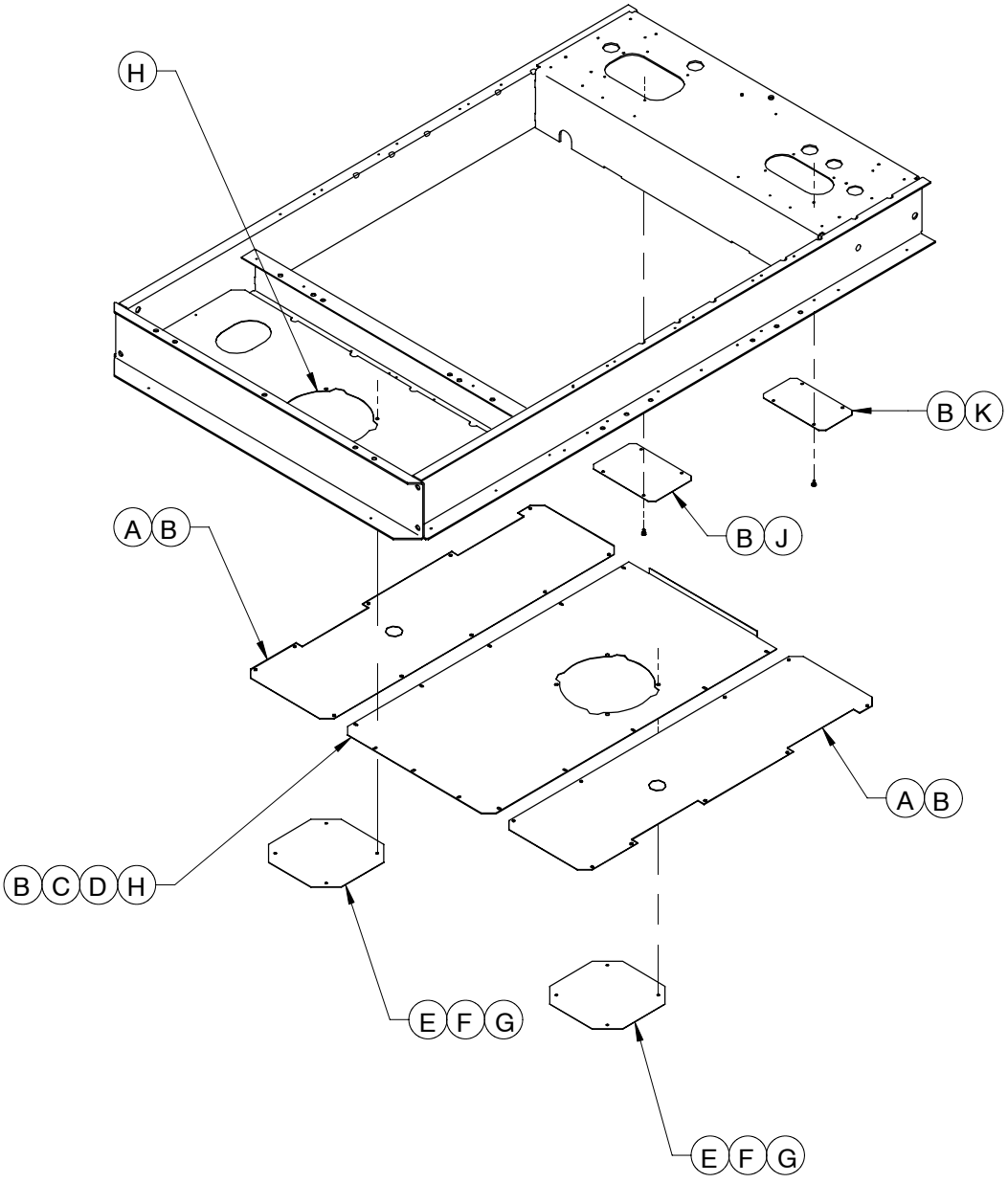
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7/04/00 bd	GALVANNEAL ENCLOSURE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-092	7/00 A

ITEM		C.P.N.	QTY	DESCRIPTION
A		54523675	1	PANEL, CRBSD REAR SIDE
B		36797652	76	SCREW, TAPPING M06-100 X 12
C		54523717	1	PANEL, STSD FRONT SIDE
D		54523725	1	PANEL, CRBSD FRONT SIDE
E		54523659	1	PANEL, STSD REAR SIDE
F		54523733	1	PANEL, REAR END CAP
G		54523758	2	PANEL, LOWER SIDE
H		54523196	2	RAIL, TOP
J		54523782	4	SRRIP, CONNECTOR
K		54523238	1	PANEL, FRONT END CAP
L		54523212	1	PANEL, FRONT ROOF
M		36883437	2	HINGE, SIDE DOOR
N		92368687	60	SCREW, TAPPING M06-100 X 14
P		54523337	2	DOOR, SIDE
Q		36793602	2	LATCH, DOOR SLAM
R		36794816	8	RIVET
S		36877579	2	FENDER
T		54523204	1	PANEL, REAR ROOF
U		36877181	1	HINGE, ROOF
V		36843282	11	RIVET
W		35278720	2	PIN, QUICK RELEASE
X		35600261	4	SPRING, GAS
Y		35337328	8	STUD, BALL M08-125
Z		36885085	16	SCREW, TAPPING 1/4-10 X 3/4
A1		36881886	8	NUT, HEX M08-1.25
A2		36787968	2	GROMMET
A3		36788081	2	LIGHT
A4		54523253	1	BAFFLE, AIR INTAKE
A5	*	36755981	4	PIECE, END CAP CORNER
A6		54523261	2	COVER, FRONT CORNER
A7		36794774	18	GROMMET, SCREW
A8		54523311	1	SUPPORT, FRONT ENCLOSURE
A9		54523329	2	SUPPORT, SIDE ENCLOSURE
B1		35367051	2	LIGHT, YELLOW CLEARANCE
B2		36893634	4	GROMMET, CLEARANCE LIGHT
B3		35367044	2	LIGHT, RED CLEARANCE
B4		36895860	1	LIGHT, LICENSE
B5		36782837	2	SCREW, HEX SHT MTL #10 X 1
B6		54523766	1	LOUVER, TOP ACCESS (HP300-P375)
B7		54523626	1	PANEL, ACCESS (P375)
		54523774	1	PANEL, ACCESS (HP300)

* FURNISHED WITH END CAPS.

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7/4/00 bd	GALVANNEAL ENCLOSURE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-093	7/00 A

DRAWBAR END



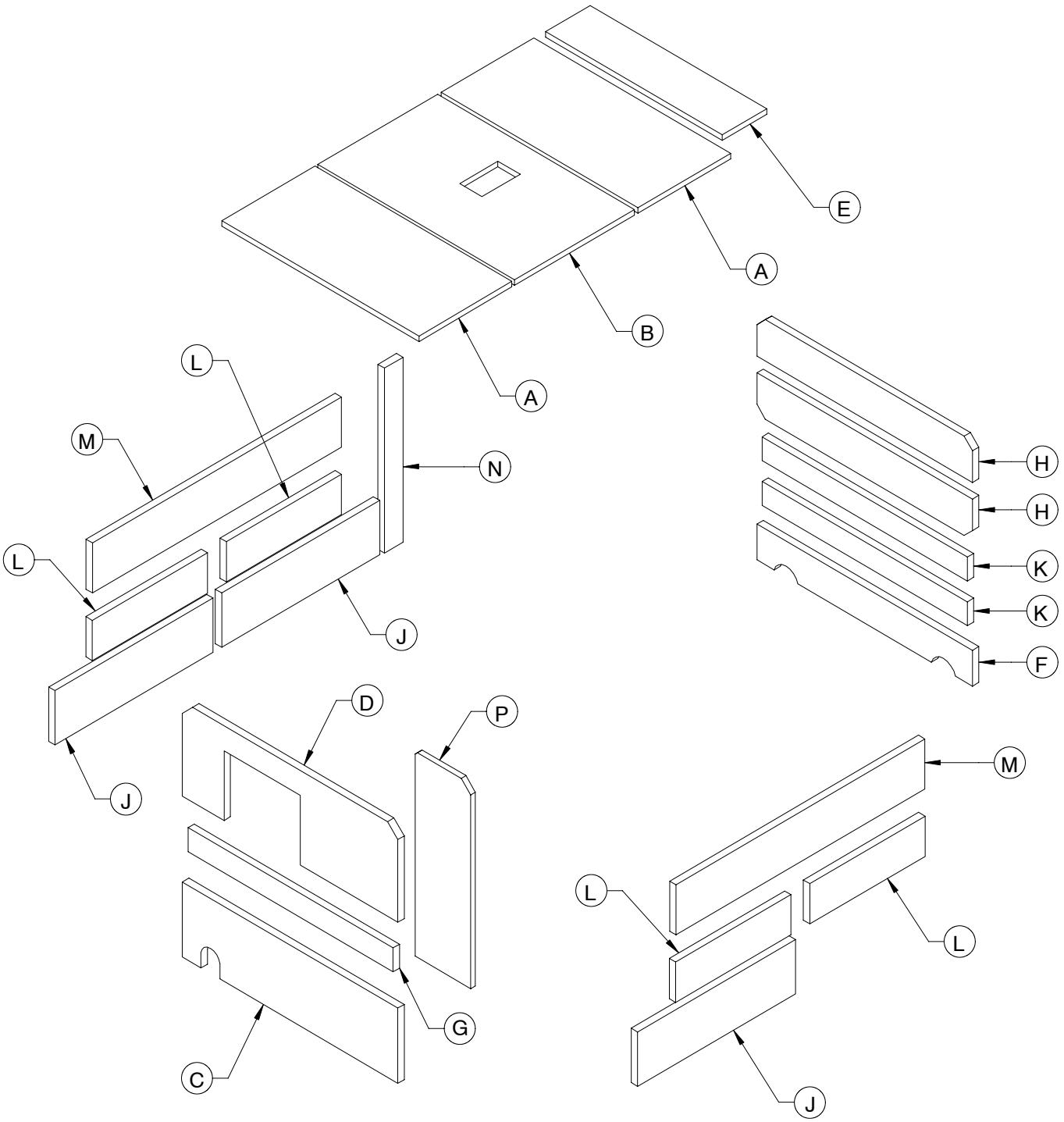
INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 7/4/00 bd	DESCRIPTION ENCLOSURE COMPLETE	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-094	DATE/REV: 7/00 A

ITEM	C.P.N.	QTY	DESCRIPTION
A	54523303	2	PAN,BELLY
B	36797652	21	SCREW, TAPPING M06-100 X 12
C	54523345	1	PAN, ENGINE-AIR END BELLY
D	35300771	10	SCREW, TAPPING M06-100 X 20
E	35279413	2	COVER, BELLY PAN
F	35256445	8	RETAINER
G	35256429	8	STUD, SHORT
H	35256452	8	RECEPTACLE, CLIP-ON
J	54523295	1	COVER, COOLER DRAIN
K	54523170	1	COVER, ENGINE OIL DRAIN

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
7/4/00 bd	GALVANNEAL ENCLOSURE	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-095	7/00 A

DRAWBAR END

BEGINNING WITH SN 296791

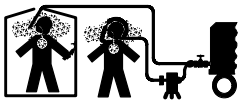


INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/5/96 bd	FOAM INSULATION COMPL	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-096	1/99 C

ITEM	C.P.N.	QTY	DESCRIPTION	
A	36879419	2	PANEL, ROOF ACST	
B	36879401	1	PANEL, MIDDLE ROOF ACST	
C	36879229	1	PANEL, BOTTOM FRONT END ACST	
D	36879237	1	PANEL, TOP FRONT END ACST	
E	36879377	1	PANEL, RADIATOR DOOR ACST	
F	36879252	1	PANEL, BOTTOM REAR END ACST	
G	36879260	1	PANEL, MIDDLE REAR END ACST	
H	36879278	2	PANEL, TOP REAR END ACST	
J	36879294	3	PANEL, BOTTOM SIDE DOOR ACST	
K	36879260	2	PANEL, MIDDLE REAR END ACST (P250)	**{PRIOR TO S/N 296791}**
	36921294	2	PANEL, ACCESS ACST (HP300 - P375)	**{BEGIN WITH S/N 296791}**
L	36879450	4	PANEL, MIDDLE SIDE DOOR ACST	
M	36879468	2	PANEL, TOP SIDE DOOR ACST	
N	36879427	1	PANEL, RIGHT REAR SIDE ACST	
P	36879435	1	PANEL, FRONT INTERIOR BAFFLE ACST	

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/5/96 bd	FOAM INSULATION COMPL	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-097	1/99 C

⚠ DANGER



Discharged air can contain carbon monoxide or other contaminants.
Will cause serious injury or death.

Do not breathe this air.

Ingersoll-Rand

⚠ WARNING

Trapped air pressure.
Can cause serious injury or death.

Close service valve and operate tool to vent trapped air before performing any service.

⚠ WARNING

Disconnected air hoses whip.
Can cause serious injury death.

When using air tools attach safety device (OSHA Valve) at source of air supply for each tool.

54629902 REV. A

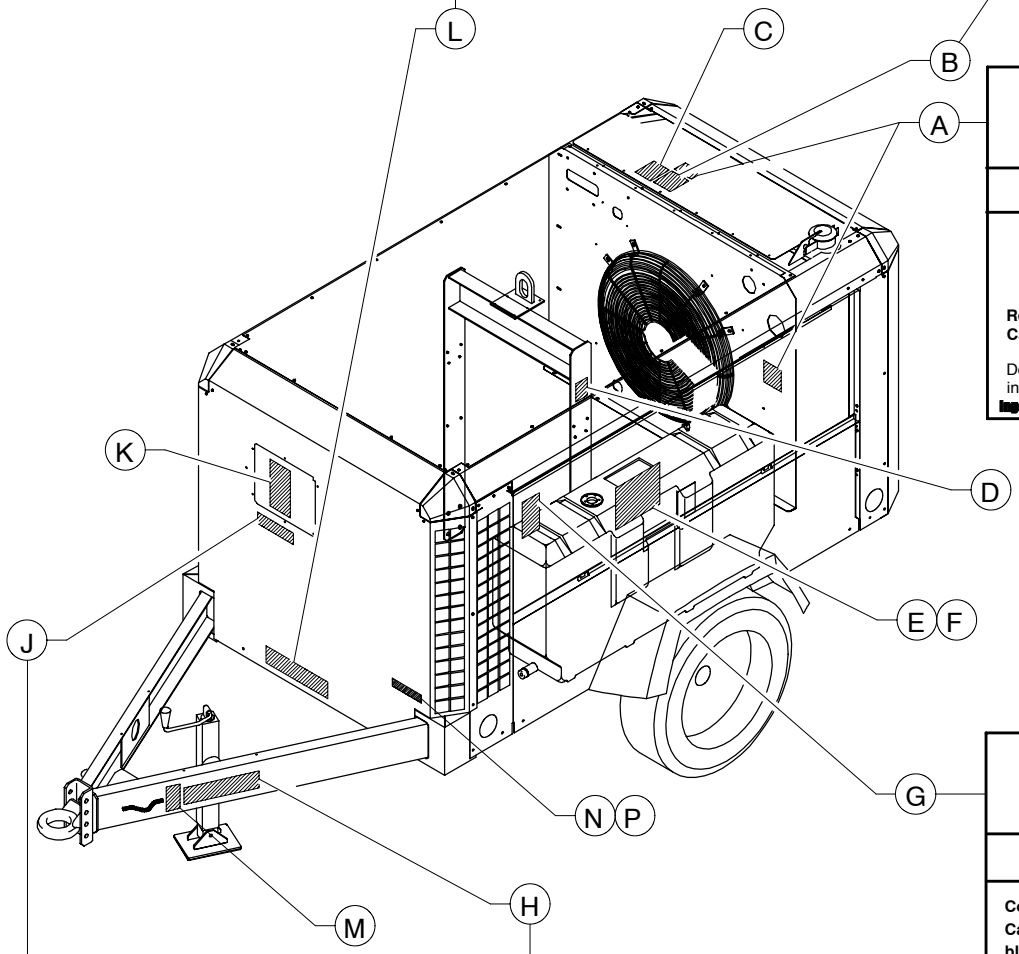
⚠ WARNING

Hot pressurized fluid.
Can cause serious burns.

Do not open radiator while hot.

Ingersoll-Rand

54568761 REV. A



⚠ WARNING

Rotating fan blade.
Can cause serious injury.

Do not operate without guard in place.

Ingersoll-Rand

54568779 REV. A

⚠ WARNING

Combustible gas.
Can cause serious burns, blindness or death.

Keep sparks and open flames away from batteries.

Ingersoll-Rand

54568753 REV. A

⚠ WARNING

Improper operation of this equipment.
Can cause serious injury or death.

Read Operator's Manual supplied with this machine before operation or servicing.

Modification or alteration of this machine.
Can cause serious injury or death.

Do not alter or modify this machine without the express written consent of the manufacturer.

Ingersoll-Rand

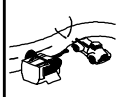
54568787 REV. A

105 km/h

⚠ WARNING

Collapsing jackstand.
Can cause serious injury.

Insert locking pin completely.



Excessive towing speed.
Can cause serious injury or death.

Do NOT exceed 65 mph (105 km/hr.)

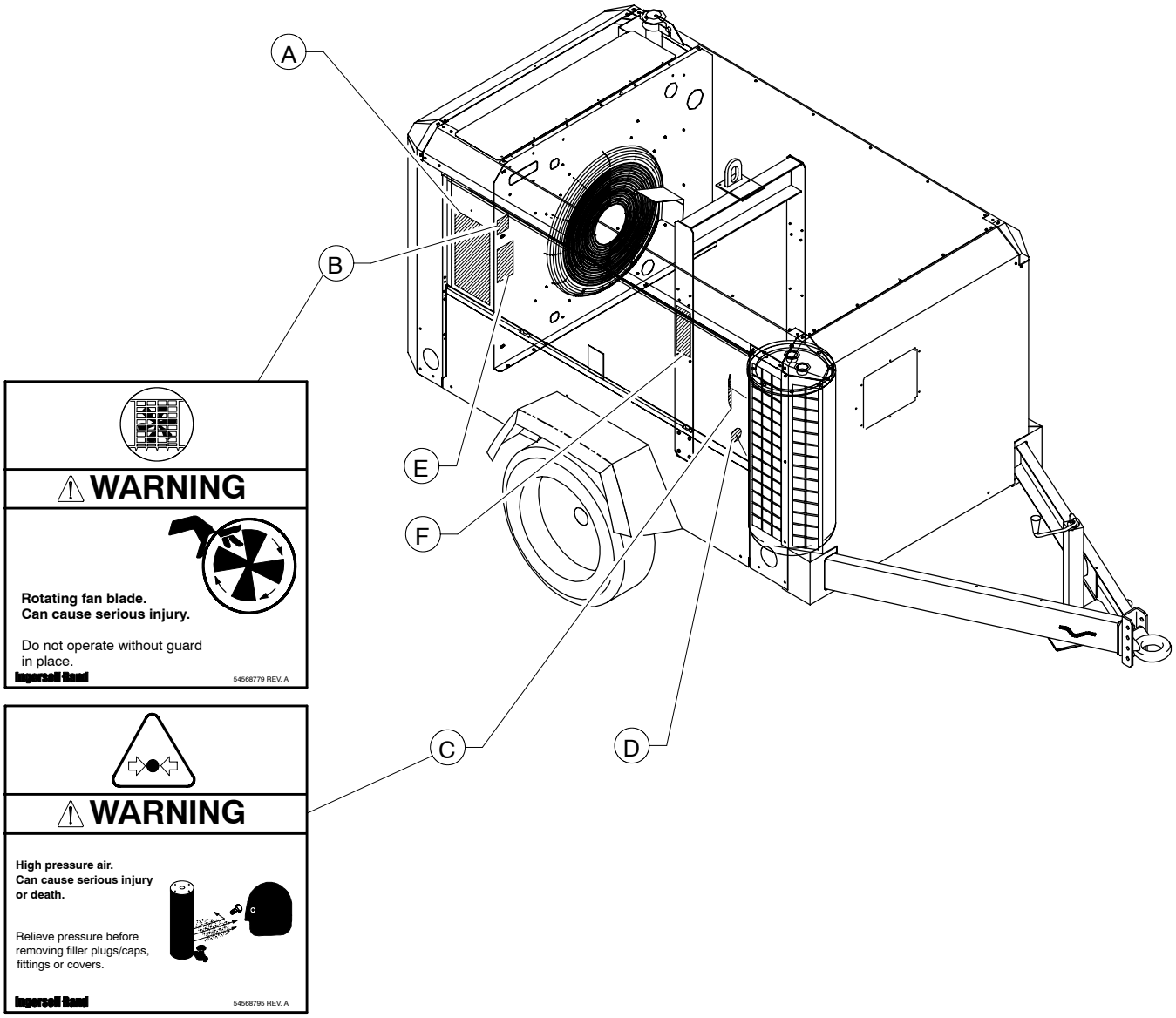
Ingersoll-Rand

54568803 REV. A

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1/16/96 bd	DESCRIPTION DECAL LOCATION	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-098	DATE/REV: 12/00 E

ITEM	C.P.N.	DESCRIPTION
A	54568779	WARNING, ROTATING FAN
B	54568761	WARNING, HOT FLUID
C	54604962	NOTICE, RADIATOR FILL
D	54625207	DIESEL FUEL
E	36522290	SAFETY CARD
F	36847861	CABLE TIE
G	54568753	WARNING, BATTERY
H	54568803	WARNING, TOWING
J	54568787	WARNING, IMPROPER OPERATION
K	36879054	OPERATING INSTRUCTIONS
L	54629902	DANGER/WARNING, COMBO
M	54604921	NOTICE, TOW CHAINS
N	36531176	V.I.N.
P	36533081	V.I.N. OVERLAY

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1/16/96 bd	DESCRIPTION DECAL LOCATION	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-099	DATE/REV: 12/00 E



INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY: 1/16/96 bd	DESCRIPTION DECAL LOCATION	
MODEL NO. P250WCU/JD P375WCU/JD	MANUAL NO. 35392877-100	DATE/REV: 12/00 D

ITEM	C.P.N.	DESCRIPTION
A	54496559	WIRING DIAGRAM
B	54568779	WARNING, ROTATING FAN
C	54568795	WARNING, HIGH PRESSURE
D	54604970	OIL FILL
E	54435086	GENERAL DATA
F	36529394	REGULATION ADJUSTMENT

INGERSOLL-RAND COMPANY PORTABLE COMPRESSOR DIVISION		
DATE/DWN BY:	DESCRIPTION	
1/16/96 bd	DECAL LOCATION	
MODEL NO.	MANUAL NO.	DATE/REV:
P250WCU/JD P375WCU/JD	35392877-101	12/00 E