



an EnPro Industries company

# QRNG<sup>®</sup> Series Model QRNG 4125

Parts Manual  
Record of Change 103

This manual contains important safety information and must be made available to all personnel who operate and/or maintain this product. Carefully read this manual before attempting to operate or perform maintenance on this compressor.

*Fill Out & Return Warranty Registration Card Located Inside*

Manual No. 50154-103

February 2008 Edition



# INTRODUCTION

This manual provides information for the QRNG Series, Model QRNG 4125 natural gas compressor per Record of Change 102.

The Model QRNG 4125 is an aircooled, single stage, four cylinder, V-type, pressure lubricated compressor. For inlet and discharge pressure ratings, consult the distributor or the factory. It has a 4.5" bore, with a 4" stroke. This compressor can be run at 400-900 RPM.

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# ORDERING REPLACEMENT PARTS

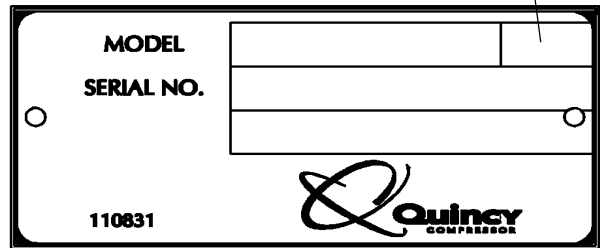
All replacement parts are to be ordered through an authorized Quincy Compressor Gas Application Distributor. **Insist on genuine Quincy parts only! Failure to do so may void warranty.**

Prompt service can be rendered on repair parts orders if the following information is given:

- Item 1)** the model number, record of change number, & serial number.
- Item 2)** the exact part number needed. (Do not order by item numbers.)
- Item 3)** the exact quantity needed.
- Item 4)** the preferred type of transportation.

# MODEL & SERIAL NUMBER IDENTIFICATION

Record of Change No.



## Model & Serial Number Identification Tag

The serial number identification tag is located on the handhole plate side of the crankcase. *Fill in the numbers from compressor in the corresponding spaces provided here, and reference this page when ordering replacement parts.*

# CHANGES

since previous printing dated December 2007:

Head unloader piping was modified

**CAUTION !**

Follow all safety precautions outlined in the QRNG Series instruction manual.

**WARNING !**

Do not operate this compressor without a totally enclosed belt guard or any other required safety equipment.

**DANGER !**

Air used for breathing or food processing must meet OSHA 1910.134 or FDA 21 CFR 178.3570 regulations. Failure to do so may cause severe injury or death.

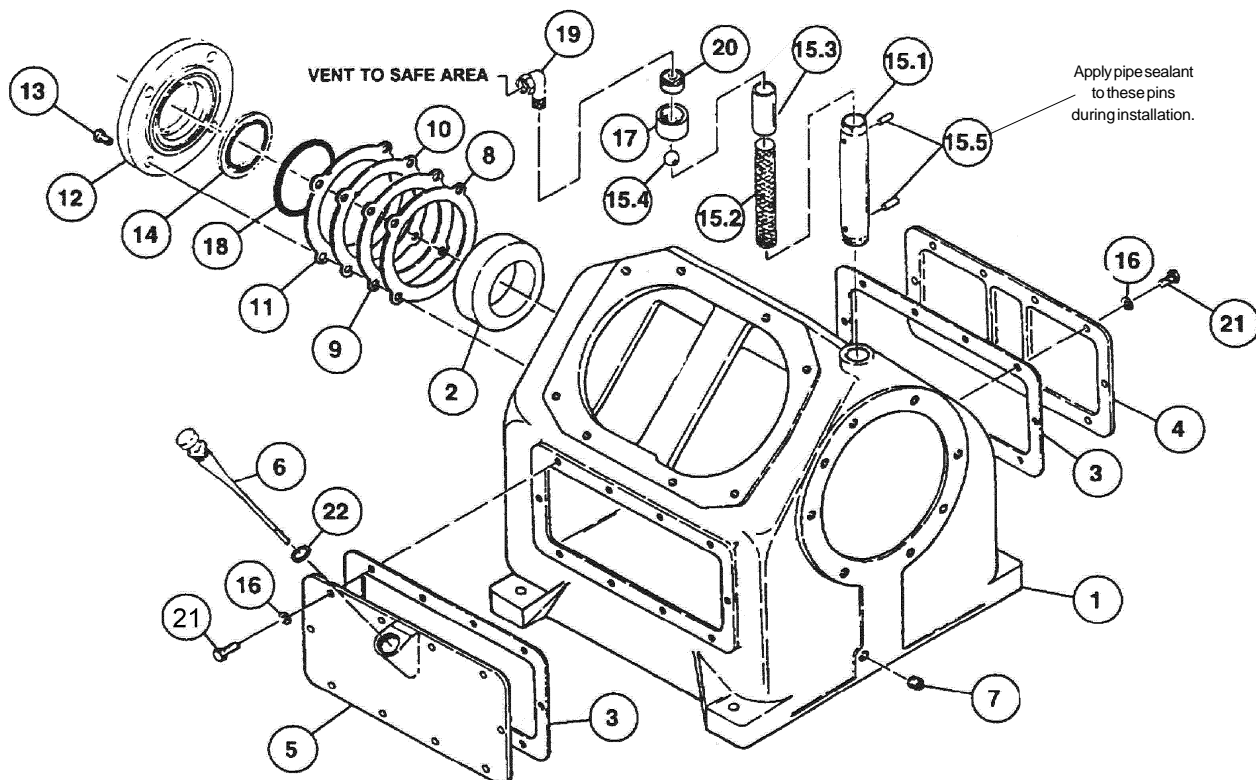
# CRANKCASE GROUP 112259

Item Number	Qty.	Part Number	Description
1	1	6640	crankcase
2	1	4357	bearing cup
3	2	6678-1	gasket, inspection plate
4	1	6645-1	inspection plate
5	1	110174-2	handhole plate
6	1	111876-3	oil level gauge
‡ 7	1	2057	pipe plug, 1/2 NPT
8	*	1498	bearing shim, .005
9	*	1498A	bearing shim, .007
10	*	1498B	bearing shim, .020
11	*	1498C	bearing shim, .002
12	1	112204-1	adjustment plate
13	4	123478-N14	hex screw, 1/2-13 unc x 1.25, grade 5 (@ 75 ft.-lbs.)
14	1	112255	oil seal
‡ 15	1	5518X1	breather assembly
15.1	1	5518	breather tube
15.2	1	111304	breather filter
15.3	1	6864	crankcase breather ball seat
15.4	1	5783	breather ball
15.5	1	110705-D15	roll pin, 1/8 X 1.12
16	20	110428N038	flatwasher, 3/8
17	1	21149	pipe coupling, 1" NPT
18	1	22749-044	"o"ring, 1/16 wide x 3.88 o.d.
‡ 19	1	110419-010	tube fitting, 90° male elbow, 3/8 tube x 38 NPT
‡ 20	1	6136	pipe bushing, 1" NPT x 3/8 NPT
21	20	123478-L12	hex screw, 3/8-16 unc x 1.00, grade 5 (@12 ft.-lbs.)
22	1	112033-908	"o"ring, 3/32 wide x .82 o.d.

\* Quantity as required

@ Indicates torque value in foot pounds (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

‡ Apply thread sealant to all pipe threads.



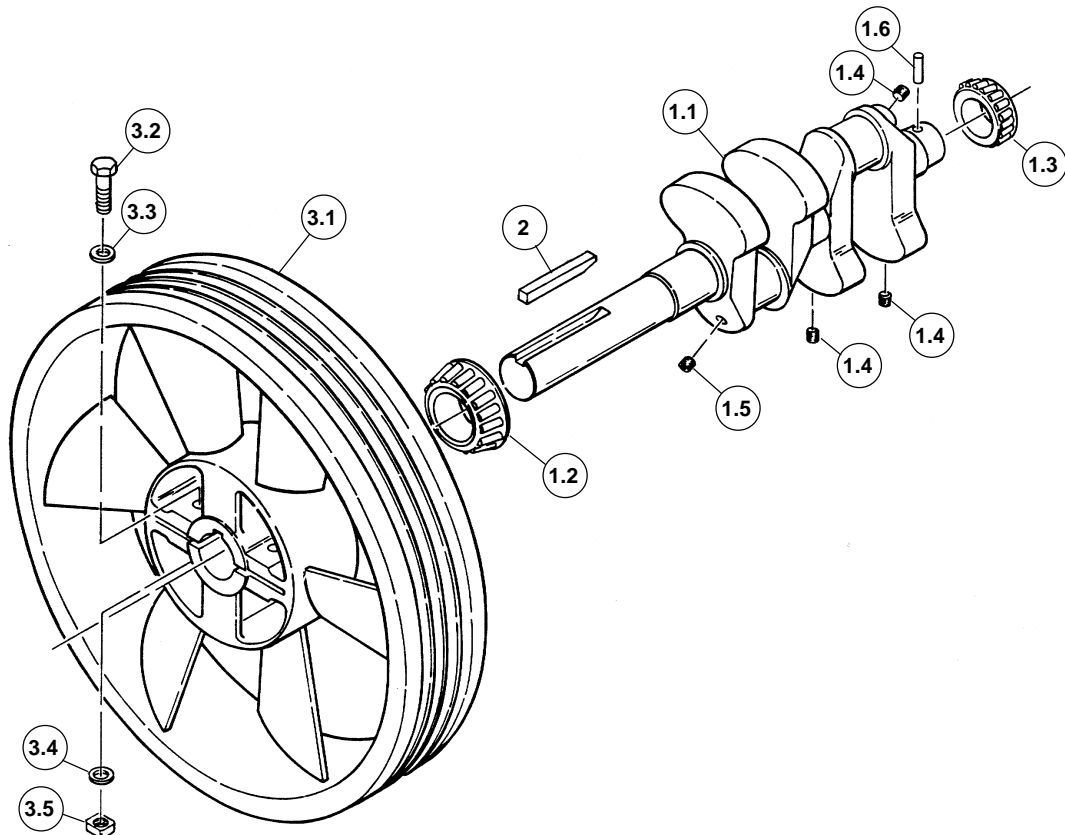
# CRANKSHAFT GROUP 112245-001

Item Number	Qty.	Part Number	Description
1	1	110227	crankshaft assembly
1.1	1	110226	crankshaft (N.S.S.; order 110227)
1.2	1	6651	bearing cone
1.3	1	40775	bearing cone
1.4	3	2755S	pipe plug, 1/8 npt
1.5	1	110234	pipe plug orifice, 1/8 npt
1.6	1	110705-F21	roll pin, 3/16 x 1.88
2	1	2851	pulley key
3	1	110558X	sheave assembly
3.1	1	8297-1R	sheave, 23.5", 3G, B sect., CCW (N.S.S.; order 110558X)
3.2	2	123478-Q21	hex screw, 5/8-11 unc x 3.00, grade 5 (@ 150 ft.-lbs.)
3.3	2	115512	flatwasher, 5/8
3.4	2	123115-10C	lockwasher, 5/8
3.5	2	1883-001	square nut, 5/8-11 unc

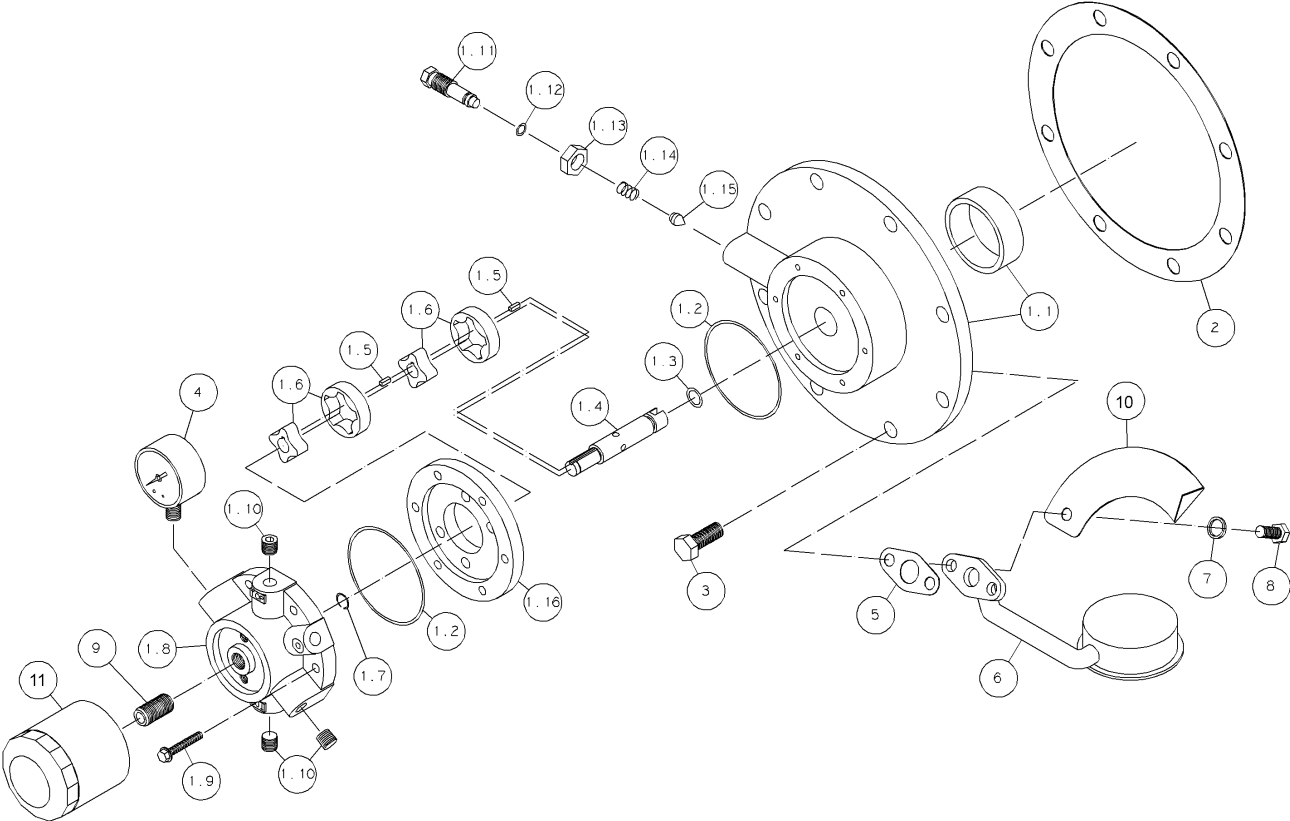
N.S.S. = Not Sold Separate

@ Indicates torque value in foot pounds (dry threads)

For reversal of compressor rotation refer to QRNG instruction manual.



# BEARING CARRIER GROUP 110818-004



# BEARING CARRIER GROUP 110818-004

Item Number	Qty.	Part Number	Description
1	1	110811-006	bearing carrier assembly (N.S.S.; order 110811G006)
1.1	1	110811	bearing carrier (N.S.S.; order 110811G006) includes:
	1	3720	bearing cup
	2	160005	bushing
1.2	2	22749-152	"o"ring, 3/32 wide x 3.44 o.d.
1.3	1	22749-112	"o"ring, 3/32 wide x .69 o.d.
1.4	1	160002-003	bearing carrier driveshaft
1.5	2	160075-001	driveshaft key
1.6	2	160003	pump gerotor
1.7	1	6285	retaining ring
1.8	1	110813-001	oil pump housing
1.9	6	123777-J15	hex. screw, 1/4-20 unc x 1.50, grade 5 (@ 40 ft.-lbs.)
§ 1.10	3	2719	pipe plug, 1/4 npt
1.11	1	5489	adjustment screw
1.12	1	22749-011	"o"ring, 1/16 wide x .44 o.d.
1.13	1	124369-P02	jamnut, 9/16-18 unf
1.14	1	1160	spring
1.15	1	112857	needle valve
1.16	1	112548	pump spacer
2	1	5494-1	gasket, bearing carrier
3	8	123478-N14	hex screw, 1/2-13 unc x 1.25 grade 5 (@ 30 ft.-lbs.)
§ 4	1	* 110822	oil pressure gauge
5	1	6679-1	gasket, oil inlet bracket
6	1	110660	oil pickup tube
7	2	123115-06C	lockwasher, 3/8
8	2	123478-L11	hex screw, 3/8-16 unc x .88, grade 5 (@ 30 ft.-lbs.)
9	1	110825	oil filter stud
10	1	113159	oil deflector
<b>Maintenance Parts</b>			
11	1	110814-001	oil filter (6-pack)
	1	<b>160079G</b>	<b>OIL PUMP REPAIR KIT</b> includes "o"rings, driveshaft, keys, pump gerotors & retaining ring
		<b>110811G006</b>	<b>REPLACEMENT BEARING CARRIER ASSEMBLY</b> includes bearing carrier assembly & gasket

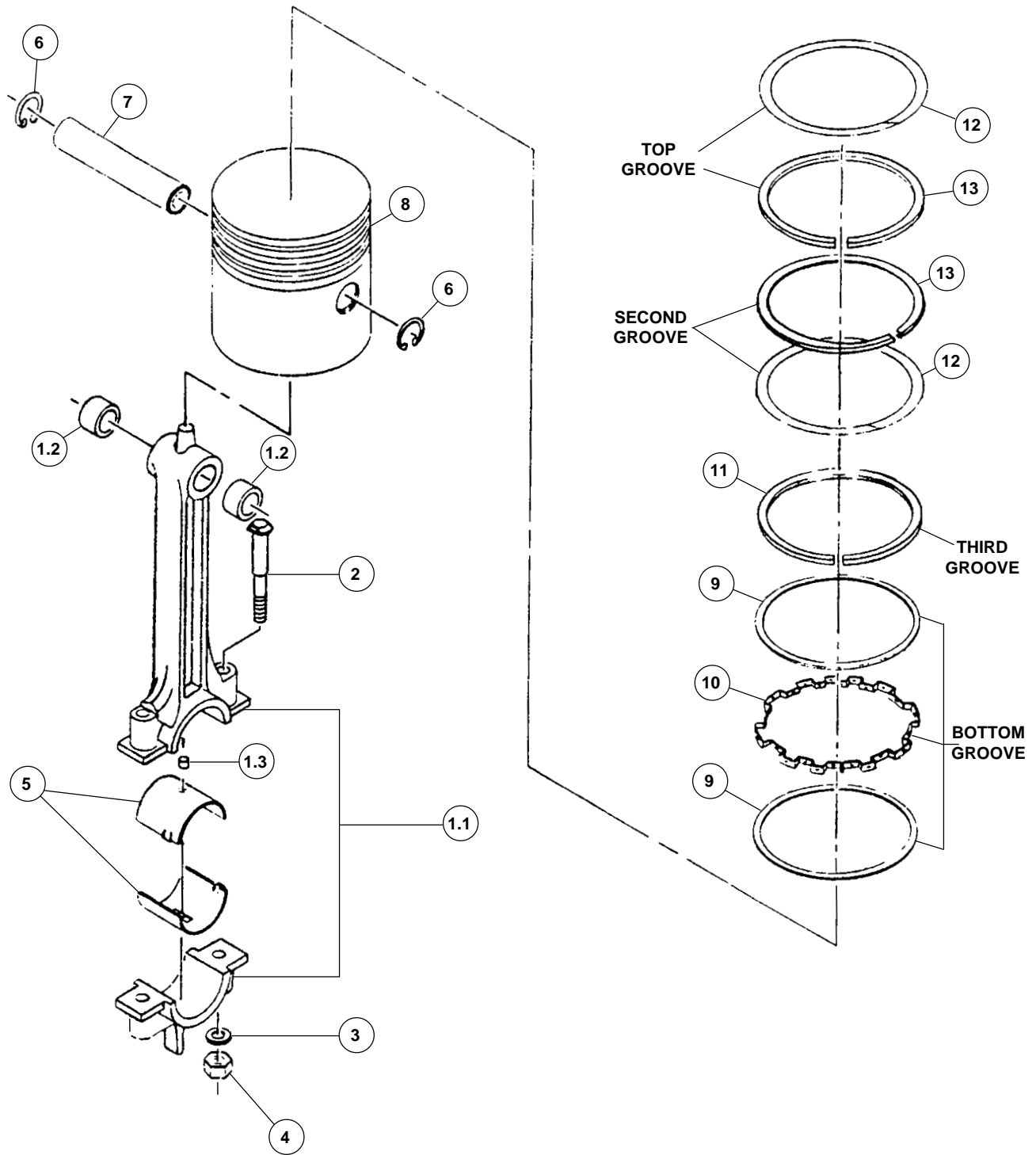
N.S.S. = Not Sold Separately

@ Indicates torque value in foot pounds (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

\* Should indicate approximately 25 PSIG at operating temperature.

§ Install with Teflon® tape

# CONNECTING ROD & PISTON GROUP 112219-001





# CONNECTING ROD & PISTON GROUP 112219-001

(4 of 112219-001 connecting rod & piston groups required per compressor)

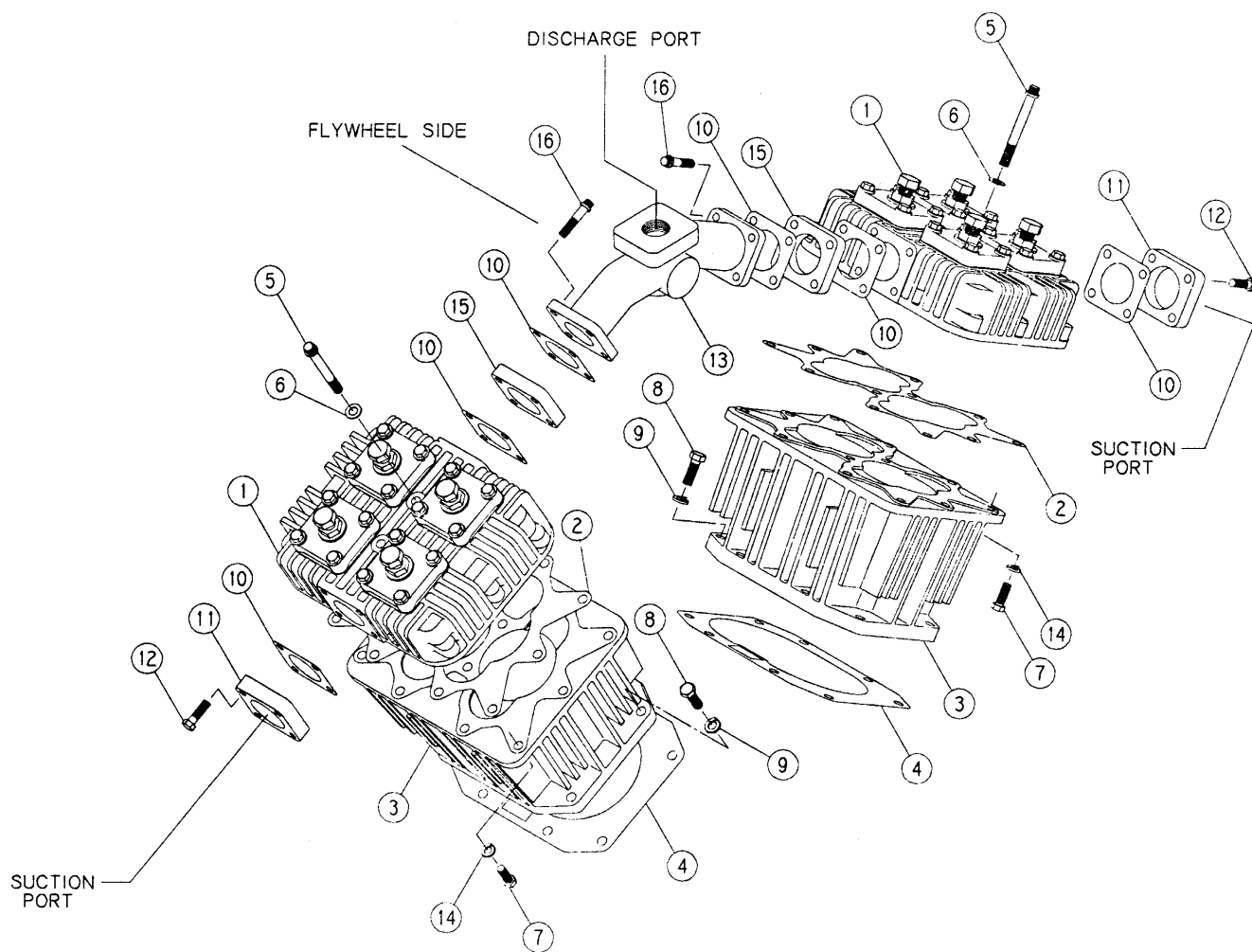
Item Number	Qty.	Part Number	Description
1	1	112221-001	connecting rod assembly
1.1	1	112223X	connecting rod assembly (N.S.S.; see maintenance parts)
1.2	2	112224	needle bearing
1.3	1	110801-001	orifice
2	2	1344	rod bolt
3	2	1319	washer
4	2	124471-M08	lock nut, 7/16-20 unf (@ 40 ft.-lbs.)
5	2	6656	connecting rod insert (sold in pairs only, see maintenance parts)
6	2	128203-100	retaining ring
7	1	110190-018	piston pin
8	1	112222	compressor piston
9	2	112781	oil ring rail
10	1	112780	oil ring expander
11	1	7351	piston ring
12	2	7012	spring
13	2	7010	piston ring
<b>Maintenance Parts</b>			
	4	112222-010	replacement piston (.010 oversize)
	4	112222-020	replacement piston (.020 oversize)
	4	8166	ring set (standard; no color code)
	4	4434-010	ring set (.010 oversize; light blue)
	4	4434-020	ring set (.020 oversize; yellow)
	4	6656PR	connecting rod bearing inserts (1 pair; standard size)
	4	6656-010PR	connecting rod inserts (1 pair; .010 undersize)
		<b>112222G</b>	<b>Replacement Piston Assembly (Standard)</b> includes piston, piston pin, ring set & retaining rings
		<b>112222G010</b>	<b>Replacement Piston Assembly (.010 Oversize)</b> includes piston, piston pin, ring set & retaining rings
		<b>112222G020</b>	<b>Replacement Piston Assembly (.020 Oversize)</b> includes piston, piston pin, ring set & retaining rings
		<b>112221G</b>	<b>Replacement Connecting Rod Assembly (Standard Size)</b> includes connecting rod assembly, connecting rod inserts & locknuts
		<b>112221G010</b>	<b>Replacement Connecting Rod Assembly(.010 Undersize)</b> includes connecting rod assembly, connecting rod inserts & locknuts

N.S.S. = Not Sold Separate

@ Indicates torque value in foot pounds (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

# CYLINDER & HEAD GROUP 112246-001

(plain head)



# CYLINDER & HEAD GROUP 112246-001

(plain head)

Item Number	Qty.	Part Number	Description
1	2	112220-001	head assembly (see page 11 for parts breakdown)
2	2	5826-1	gasket, cylinder to head
3	2	7281-2	compressor cylinder
4	2	5827-1	gasket, cylinder to crankcase
5	4	5863	counterbore screw, 1/2-13 unc x 4.25, grade 8 (@ 50 ft.-lbs.)
6	4	1478-1	flatwasher
7	20	123478-M14	hex screw, 7/16-14 unc x 1.25, grade 5 (@ 50 ft.-lbs.)
8	16	123478-N15	hex screw, 1/2-13 unc x 1.50, grade 5 (@ 75 ft.-lbs.)
9	16	123115-08C	lockwasher, 1/2
10	6	5828-1	gasket, flange
11	2	5858	intake flange
12	8	123478-M15	hex screw, 7/16-14 unc x 1.50, grade 5 (@ 50 ft. - lbs)
13	1	6662-002	discharge manifold
14	20	123115-07C	lockwasher, 7/16
15	2	7340	manifold spacer
16	8	90386-M17	counterbore screw, 7/16-14 unc x 2.00, grade 8 (@ 50 ft.-lbs.)

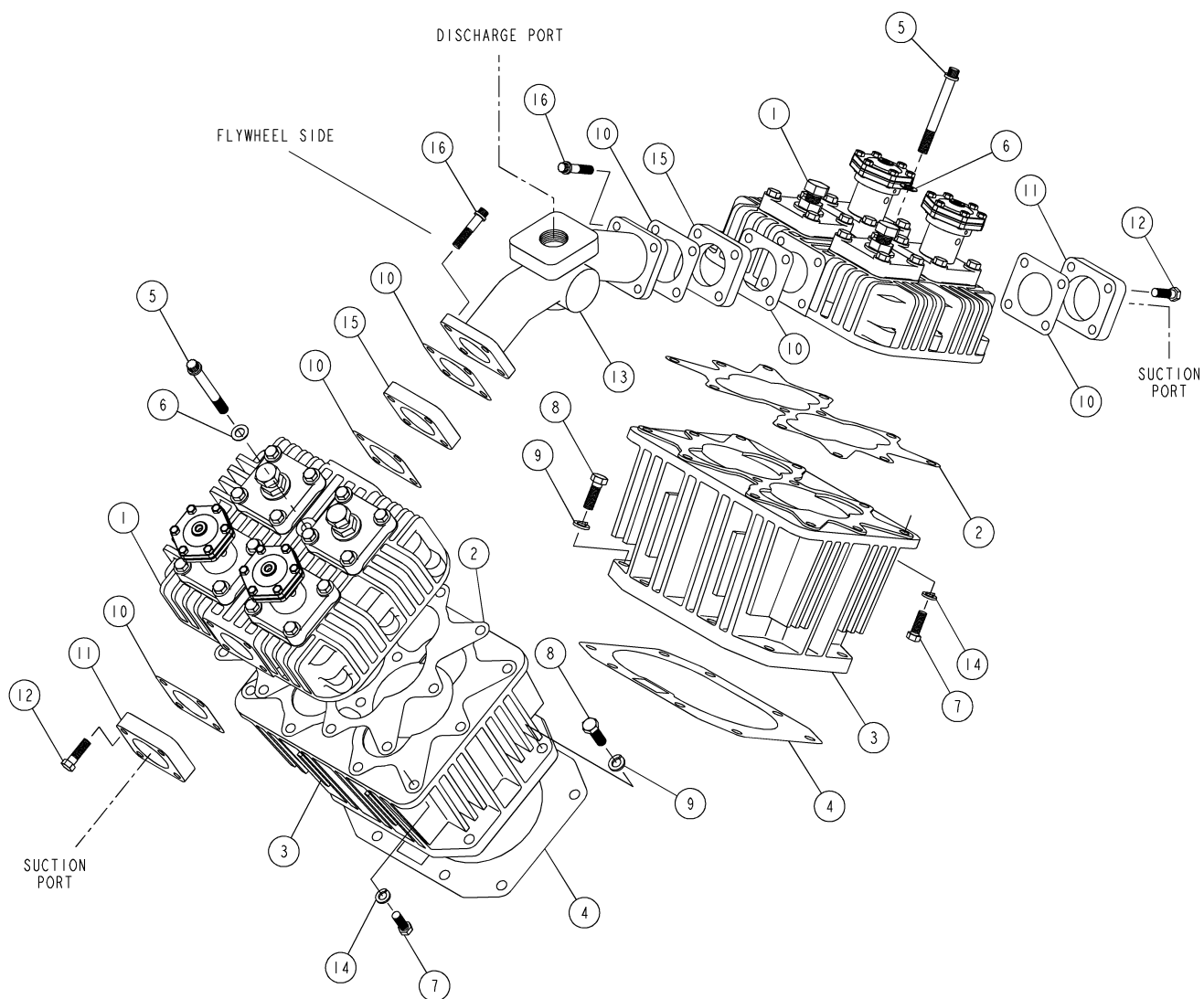
## Maintenance Parts

2	112220G001	<b>Replacement Head Assembly</b> includes head assembly & cylinder to head gasket
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@ Indicates torque value in foot pounds (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

# CYLINDER & HEAD GROUP 112246-003

(head with unloaders)



# CYLINDER & HEAD GROUP 112246-003

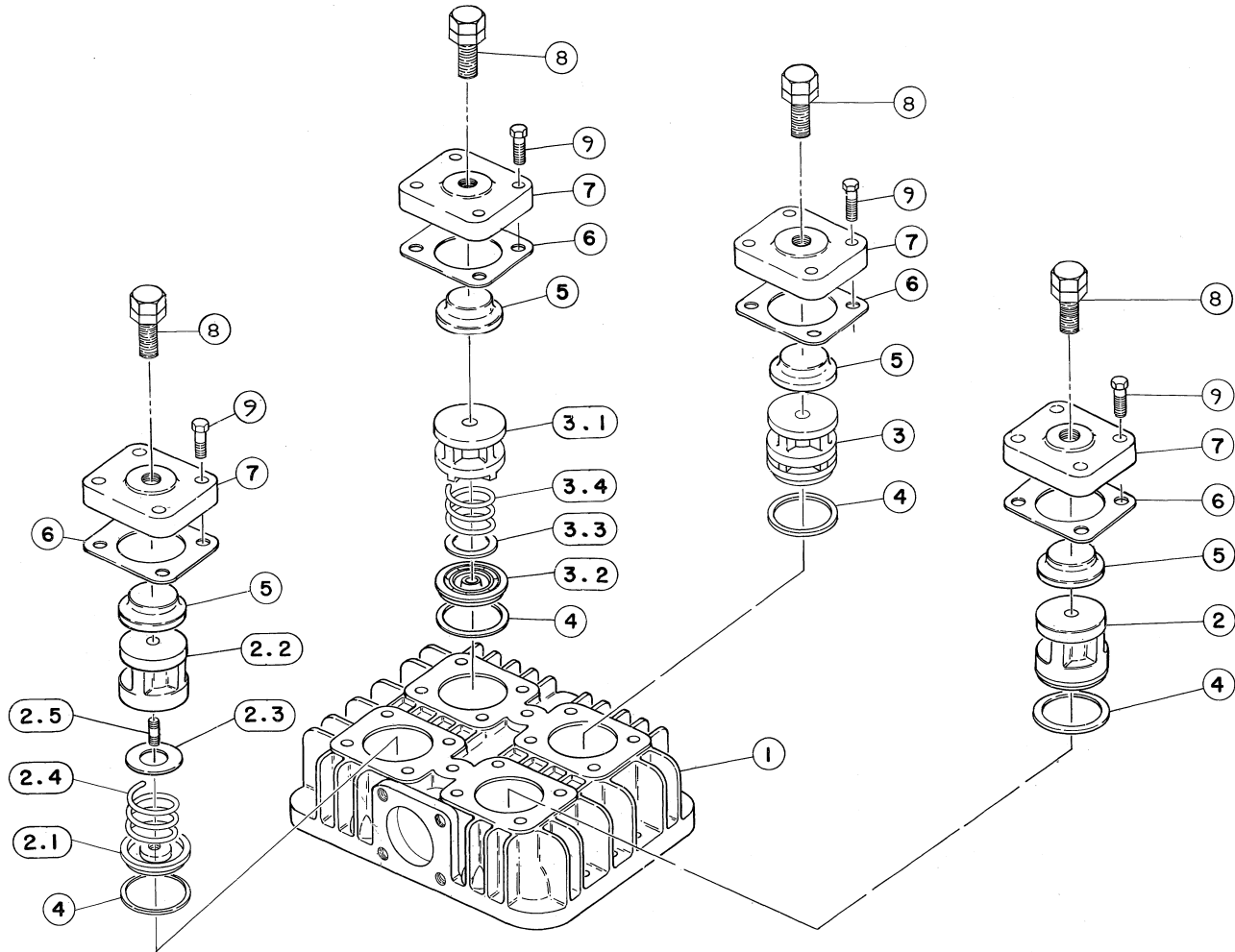
(head with unloaders)

Item Number	Qty.	Part Number	Description
1	2	112220-002	head assembly (see page 13 for parts breakdown)
2	2	5826-1	gasket, cylinder to head
3	2	7281-2	compressor cylinder
4	2	5827-1	gasket, cylinder to crankcase
5	4	5863	counterbore screw, 1/2-13 unc x 4.25, grade 8 (@ 50 ft.-lbs.)
6	4	1478-1	flatwasher
7	20	123478-M14	hex screw, 7/16-14 unc x 1.25, grade 5 (@ 50 ft.-lbs.)
8	16	123478-N15	hex screw, 1/2-13 unc x 1.50, grade 5 (@ 75 ft.-lbs.)
9	16	123115-08C	lockwasher, 1/2
10	6	5828-1	gasket, flange
11	2	5858	intake flange
12	8	123478-M15	hex screw, 7/16-14 unc x 1.50, grade 5 (@ 50 ft. - lbs)
13	1	6662-002	discharge manifold
14	20	123115-07C	lockwasher, 7/16
15	2	7340	manifold spacer
16	8	90386-M17	counterbore screw, 7/16-14 unc x 2.00, grade 8 (@ 50 ft.-lbs.)
			<b>Maintenance Parts</b>
	1	112220G002	<b>Replacement Head Assembly</b> includes head assembly & cylinder to head gasket

@ Indicates torque value in foot pounds (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

# HEAD ASSEMBLY 112220-001

(plain head)



# HEAD ASSEMBLY 112220-001

(plain head)

Item Number	Qty.	Part Number	Description
1	1	5824	compressor head
2	2	6671X1	suction valve assembly
2.1	1	6671	valve bumper
2.2	1	2015	suction valve seat
2.3	1	2036	valve disc
2.4	1	6909	valve spring
2.5	1	1849	valve stud
3	2	6670X001	discharge valve assembly
3.1	1	6670-001	valve bumper
3.2	1	5812-001	valve seat
3.3	1	2036	valve disc
3.4	1	6909	valve spring
4	4	2024-001	valve gasket
5	4	6668-1R	valve retainer
6	4	2025-1	valve cover gasket
7	4	6666	cover plate
‡ 8	4	114545-R15	screw & nut assembly (screw @ 60 ft.-lbs. - nut @ 50 ft.-lbs.)
* 9	16	123478-M15	hex screw ,7/16-14 unc x 1.50, grade 5 (@ 50 ft.-lbs.)

## Maintenance Parts

1	<b>6671G</b>	<b>Replacement Suction Valve Assembly</b> includes suction valve assembly & valve gasket
1	<b>6670G</b>	<b>Replacement Discharge Valve Assembly</b> includes discharge valve assembly & valve gasket

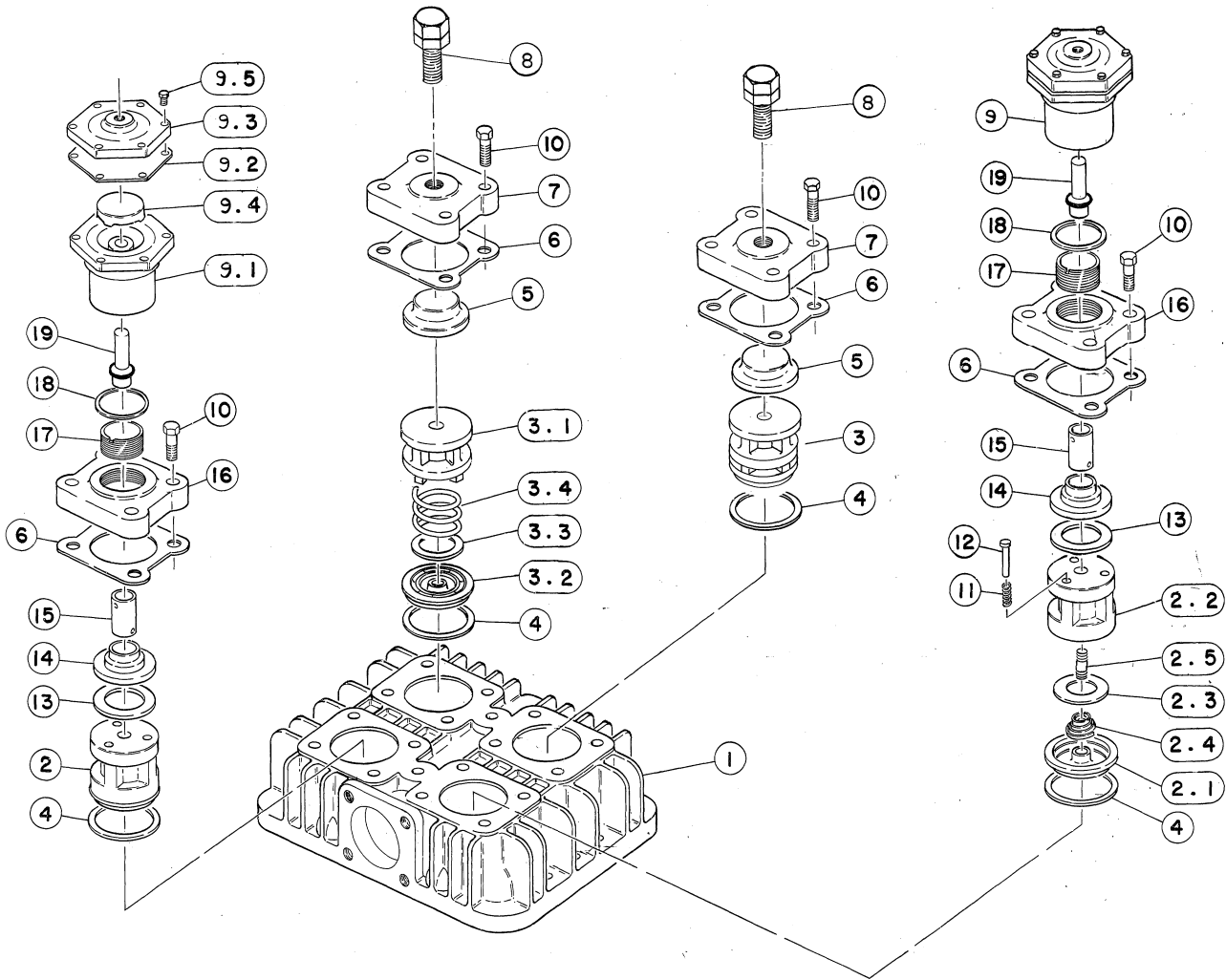
@ Indicates torque value in foot pounds (dry threads). Tighten multiple bolts, capscrews & hex nuts in a criss-cross or alternating pattern. Bring each fastener to the recommended torque specification in even increments.

‡ Install with Loctite® 246 applied to threads.

\*Tighten & torque valve cover plate hex screws (item 9) prior to tightening valve clamp hex screws (item 8).

# HEAD ASSEMBLY 112220-002

(head with unloaders)





# HEAD ASSEMBLY 112220-002

(head with unloaders)

Item Number	Qty.	Part Number	Description
1	1	5824	head
2	2	6671X1	suction valve assembly
2.1	1	6671	valve bumper
2.2	1	2015	valve seat
2.3	1	2036	valve disc
2.4	1	6909	valve spring
2.5	1	1849	stud
3	2	6670X001	discharge valve assembly
3.1	1	6670-001	valve bumper
3.2	1	5812-001	valve seat
3.3	1	2036	valve disc
3.4	1	6909	valve spring
4	4	2024-001	gasket, valve
5	2	6668-1R	valve retainer
6	4	2025-1	gasket, valve plate
7	2	6666	cover plate
8	2	114545-R15	bolt and nut assembly
9	2	40055	unloader assembly (@ 75 ft.-lbs) (N.S.S.; order 7483X1)
9.1	1	7483	unloader body (N.S.S.; order 7483X1)
9.2	1	1855	unloader diaphragm
9.3	1	1818B	diaphragm cover plate
9.4	1	5910	diaphragm disc
9.5	6	7499	hex screw, 1/4- 20 unc x .75, grade 5 (@ 6 ft.-lbs.)
10	16	7480	hex screw, 3/4-14 unc x 1.38, grade 5 (@ 50 ft.-lbs.)
11	6	6910	unloader pin spring
12	6	1857	valve pin
13	2	5729	valve platform
14	2	6911	valve retainer
15	2	6912-002	unloader pin
16	2	6908	unloader type valve cover plate
17	2	3008	holddown screw (@ 60 ft.-lbs.)
18	2	1556	gasket, valve
19	2	7532X1	unloader piston assembly

## Maintenance Parts

**6671G**

### Replacement Suction Valve assembly

includes suction valve assembly & valve gasket

**6671GU**

### Replacement Suction Valve Assembly

includes suction valve assembly, unloader pin spring, valve pin & valve gasket

**6670G**

### Replacement Discharge Valve Assembly

includes discharge valve assembly & valve gasket

**7483X1**

### Replacement Unloader Assembly

includes unloader piston assembly, valve gasket & unloader assembly

## Parts for Special Applications

(for use with phosphate ester synthetic lubricants)

9.2 1 1855S unloader diaphragm

@ Indicates torque value (dry threads).

Note: Tighten all bolts & capscrews in any bolt pattern, evenly bringing each bolt to torque in equal increments, while moving about the bolt pattern. This is particularly important for connecting rod & head bolts.

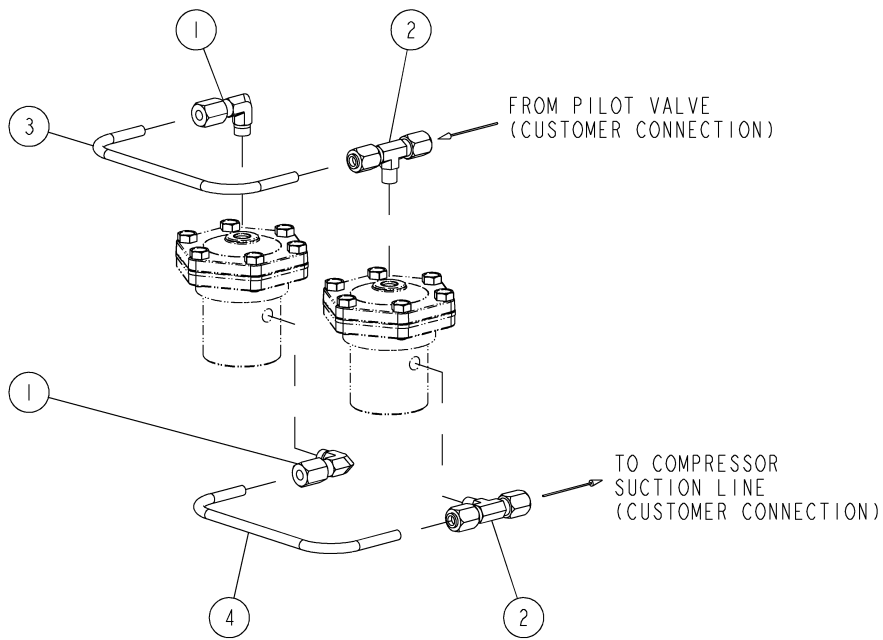
\* Tighten and torque valve cover plate hex screws (item 10) prior to tightening valve clamp hex screws (item 8).

\*\* Install with Loctite® 246 applied to threads.

N.S.S. = Not Sold Separately

# CONTROL GROUP 116269-001

(2 required per compressor)

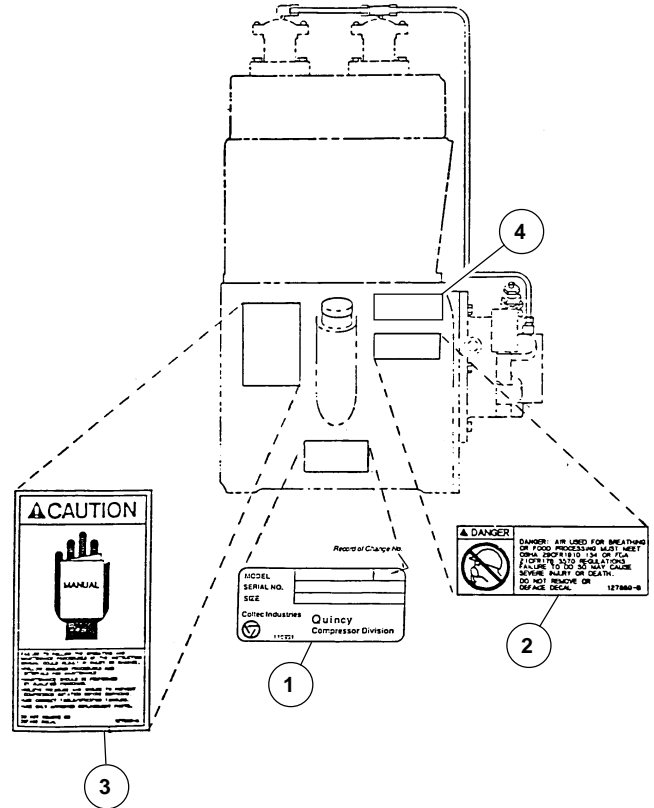


116269-001 GROUP, CONTROL, QRNG UNLOADERS			
ITEM	PART NUMBER	QTY	DESCRIPTION
1	110419-004	2	TUBE FITTING, 90 MALE ELBOW, 1/4 TUBE X 1/8 NPT
2	116268-002	2	TUBE FITTING, MALE BRANCH TEE, 1/4T X 1/8P
3	110421	1	1/4" STEEL TUBE (1 FT)
4	110421	1	1/4" STEEL TUBE (1 FT)

# QUIN-CIP LUBRICANT

Refer to the chart below to order QUIN-CIP compressor lubricant from your local authorized Quincy distributor.

Package	Part No.	Description
Barrel	112542D068	55 gal., SAE 20
Pail	112542P068	5 gal., SAE 20
Gallon	112542G068	1 gal., SAE 20
Gallon Case	112542X068	(4)-1 gal., SAE 20
Quart	112542Q068	1 qt., SAE 20
Quart Case	112542C068	(12)-1 qt., SAE 20
<hr/>		
Barrel	112543D100	55 gal., SAE 30
Pail	112543P100	5 gal., SAE 30
Gallon	112543G100	1 gal., SAE 30
Gallon Case	112543X100	(4)-1 gal., SAE 30
Quart	112543Q100	1 qt., SAE 30
Quart Case	112543C100	(12)-1 qt., SAE 30



# CRANKCASE LUBRICANT CAPACITY

Model	Less Filter	With Filter
QRNG 4125	9.75 Qts.	Add 10 oz.
	9.23 lit.	Add 296 ml

Gasket Set 7141G			
Item #	Qty.	Part Number	Description
	5	1498	bearing adj. shim, .005 steel
	4	1498A	bearing adj. shim, .007 plastic
	4	1498B	bearing adj. shim, .020 steel
	2	1498C	bearing adj. shim, .002 steel
	8	2024-001	gasket, valve
	8	2025-1	gasket, valve cover
	1	5494-1	gasket, bearing carrier
	2	5826-1	gasket, cylinder to head
	2	5827-1	gasket, cylinder to crankcase
	2	6678-1	gasket, inspection plate
	1	6679-1	gasket, oil inlet bracket
	6	5828-1	gasket, flange

Decals			
Item #	Qty.	Part Number	Description
1	1	110831	serial number & nameplate
2	1	127889-A	decal, CAUTION!, MANUAL
3	1	127889-B	decal, DANGER!, "Air from this...."
4	1	113387	decal, CAUTION!, "Do not remove dipstick..."

"O" Ring Kit 110776G			
Qty.	Part Number	Description	
1	22749-152	"o"ring, 3/32 wide x 3.44 o.d.	
1	22749-112	"o"ring, 3/32 wide x .69 o.d.	
1	22749-011	"o"ring, 1/16 wide x .44 o.d.	
1	112033-908	"o"ring, 3/32 wide x .64 o.d.	
1	22749-044	"o"ring, 1/16 wide x 3.75 o.d.	
1	22749-210	"o"ring, 1/8 wide x .75 o.d.	

Recommended Spare Parts			
Item #	Qty.	Part Number	Description
	4	6671G	replacement suction valve assy.
	4	6670G	replacement discharge valve assy.
	1	110822	pressure gauge
	1	160079G	oil pump repair kit
	1	7141G	gasket set

## **QUINCY COMPRESSOR**

### **STANDARD TERMS AND CONDITIONS**

**LEGAL EFFECT:** Except as expressly otherwise agreed to in writing by an authorized representative of Seller, the following terms and conditions shall apply to and form a part of this order and any additional and/or different terms of Buyer's purchase order or other form of acceptance are rejected in advance and shall not become a part of this order.

The rights of Buyer hereunder shall be neither assignable nor transferable except with the written consent of Seller.

This order may not be canceled or altered except with the written consent of Seller and upon terms which will indemnify Seller against all loss occasioned thereby. All additional costs incurred by Seller due to changes in design or specifications, modification of this order or revision of product must be paid for by Buyer.

In addition to the rights and remedies conferred upon Seller by this order, Seller shall have all rights and remedies conferred at law and in equity and shall not be required to proceed with the performance of this order if Buyer is in default in the performance of such order or of any other contract or order with seller.

**TERMS OF PAYMENT:** Unless otherwise specified in the order acknowledgment, the terms of payment shall be 1% 15, net forty-five (45) days after shipment. These terms shall apply to partial as well as complete shipments. If any proceeding be initiated by or against Buyer under any bankruptcy or insolvency law, or in the judgment of Seller the financial condition of Buyer, at the time the equipment is ready for shipment, does not justify the terms of payment specified, Seller reserves the right to require full payment in cash prior to making shipment. If such payment is not received within fifteen (15) days after notification of readiness for shipment, Seller may cancel the order as to any unshipped item and require payment of its reasonable cancellation charges.

If Buyer delays shipment, payments based on date of shipment shall become due as of the date when ready for shipment. If Buyer delays completion of manufacture, Seller may elect to require payment according to percentage of completion. Equipment held for Buyer shall be at Buyer's risk and storage charges may be applied at the discretion of Seller.

Accounts past due shall bear interest at the highest rate lawful to contract for but if there is no limit set by law, such interest shall be eighteen percent (18%). Buyer shall pay all cost and expenses, including reasonable attorney's fees, incurred in collecting the same, and no claim, except claims within Seller's warranty of material or workmanship, as stated below, will be recognized unless delivered in writing to Seller within thirty (30) days after date of shipment.

**TAXES:** All prices exclude present and future sales, use, occupation, license, excise, and other taxes in respect of manufacture, sales or delivery, all of which shall be paid by Buyer unless included in the purchase price at the proper rate or a proper exemption certificate is furnished.

**ACCEPTANCE:** All offers to purchase, quotations and contracts of sales are subject to final acceptance by an authorized representative at Seller's plant.

**DELIVERY:** Except as otherwise specified in this quotation, delivery will be F. O. B. point of shipment. In the absence of exact shipping instruction, Seller will use its discretion regarding best means of insured shipment. No liability will be accepted by Seller for so doing. All transportation charges are at Buyer's expense. Time of delivery is an estimate only and is based upon the receipt of all information and necessary approvals. The shipping schedule shall not be construed to limit seller in making commitments for materials or in fabricating articles under this order in accordance with Seller's normal and reasonable production schedules.

Seller shall in no event be liable for delays caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control. No provision for liquidated damages for any cause shall apply under this order. Buyer shall accept delivery within thirty (30) days after receipt of notification of readiness for shipment. Claims for shortages will be deemed to have been waived if not made in writing with ten (10) days after the receipt of the material in respect of which any such shortage is claimed. Seller is not responsible for loss or damage in transit after having received "In Good Order" receipt from the carrier. All claims for loss or damage in transit should be made to the carrier.

**TITLE & LIEN RIGHTS:** The equipment shall remain personal property, regardless of how affixed to any realty or structure. Until the price (including any notes given therefore) of the equipment has been fully paid in cash, Seller shall, in the event of Buyer's default, have the right to repossess such equipment.

**PATENT INFRINGEMENT:** If properly notified and given an opportunity to do so with friendly assistance, Seller will defend Buyer and the ultimate user of the equipment from any actual or alleged infringement of any published United States patent by the equipment or any part thereof furnished pursuant hereto (other than parts of special design, construction, or manufacture specified by and originating with Buyer), and will pay all damages and costs awarded by competent court in any suit thus defended or of which it may have had notice and opportunity to defend as aforesaid.

**STANDARD WARRANTY:** Seller warrants that products of its own manufacture will be free from defects in workmanship and materials under normal use and service for the period specified in the product instruction manual. Warranty for service parts will be Ninety (90) days from date of factory shipment. Electric Motors, gasoline and diesel engines, electrical apparatus and all other accessories, components and parts not manufactured by Seller are warranted only to the extent of the original manufacturer's warranty.

Notice of the alleged defect must be given to the Seller, in writing with all identifying details including serial number, type of equipment and date of purchase within thirty (30) days of the discovery of the same during the warranty period.

Seller's sole obligation on this warranty shall be, at its option, to repair or replace or refund the purchase price of any product or part thereof which proves to be defective. If requested by Seller, such product or part thereof must be promptly returned to seller, freight prepaid, for inspection.

Seller warrants repaired or replaced parts of its own manufacture against defects in materials and workmanship under normal use and service for ninety (90) days or for the remainder of the warranty on the product being repaired.

This warranty shall not apply and Seller shall not be responsible or liable for:

- (a) Consequential, collateral or special losses or damages;
- (b) Equipment conditions caused by fair wear and tear, abnormal conditions of use, accident, neglect or misuse of equipment, improper storage or damage resulting during shipping;
- (c) Deviation from operating instructions, specifications or other special terms of sale;
- (d) Labor charges, loss or damage resulting from improper operation, maintenance or repairs made by person(s) other than Seller or Seller's authorized service station.

In no event shall Seller be liable for any claims whether arising from breach of contract or warranty or claims of negligence or negligent manufacture in excess of the purchase price.

**THIS WARRANTY IS THE SOLE WARRANTY OF SELLERS AND ANY OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE ARE HEREBY SPECIFICALLY EXCLUDED.**

**LIABILITY LIMITATIONS:** Under no circumstances shall the Seller have any liability for liquidated damages or for collateral, consequential or special damages or for loss of profits, or for actual losses or for loss of production or progress of construction, whether resulting from delays in delivery or performance, breach of warranty, negligent manufacture or otherwise.

**ENVIRONMENTAL AND OSHA REQUIREMENTS:** At the time of shipment of the equipment from the factory, Quincy Compressor / Ortman Fluid Power will comply with the various Federal, State and local laws and regulations concerning occupational health and safety and pollution. However, in the installation and operation of the equipment and other matters over which the seller has no control, the Seller assumes no responsibility for compliance with those laws and regulations, whether by the way of indemnity, warranty or otherwise.

June 30, 2003



an EnPro Industries company

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