

QR-25[®] Series Model 370

Parts Manual

Record of Change 107

This manual contains important safety information and must be carefully read in its entirety and understood prior to installation by all personnel who install, operate and/or maintain this product.

On-line product registration, parts ordering and warranty information is available at www.quincycompressor.com

Manual No. 2022205800

July 2014 Edition

INTRODUCTION

This manual provides information for the following QR-25 Series, Model 370 (Record of Change 107) compressor versions:

L Control Version L

head assembly with 2 unloader towers & a hydraulic unloader

LS Control Version LS

head assembly with 2 unloader towers, a hydraulic unloader, & a pilot valve with a check valve assembly

LVD Control Version LVD

head assembly with 2 unloader towers, a hydraulic unloader, & a pilot valve with a lockout & check valve

These compressors are aircooled, two stage, two cylinder, pressure lubricated compressors, with up to 200 PSIG continuous pressure capability (201 to 250 PSIG intermittant pressure capability with proper configuration; consult factory). The Model 370 has a 6" low pressure piston bore and a 3.25" high pressure piston bore and a 4" stroke and can be run at 400-1070 RPM.

Available options included in this manual:

- -high pressure rated cylinder and head
- -hooded air filter
- -hooded air filter / silencer

CHANGES

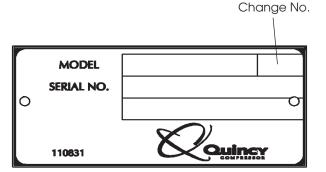
since previous printing (dated January 2014):

The bearing carrier was redesigned with a new oil pump including an oil filter.

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MODEL & SERIAL NUMBER IDENTIFICATION



Model & Serial Number Identification Tag

Record

of

The model & serial number tag is located on the handhole plate side of the crankcase. Fill in the numbers from your compressor's tag in the corresponding spaces provided here and reference this page when ordering replacement parts.

All replacement parts are to be ordered through an authorized Quincy distributor. Insist on genuine Quincy parts only! Failure to do so may void warranty.

ORDERING REPLACEMENT PARTS

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

QUIN-CIP LUBRICANT

Refer to the chart below to order Quin-Cip-D or Quin-Cip compressor lubricant from your local authorized Quincy distributor.

Quin-Cip-D Lubricant (synthetic)								
SAE 30 (I	SO 100)							
Quart	115468Q							
Case (12 Qts.)	115438C							
Quin-Cip L	ubricant							
SAE 10W	(ISO 32)							
Quart	112541Q032							
Case (12 Qts.)	112541C032							
SAE 20 (I	SO 68)							
Quart	112542Q068							
Case (12 Qts.)	112542C068							
SAE 30 (I	SO 100)							
, ,	SO 100) 112543Q100							

CRANKCASE LUBRICANT CAPACITY

Model	Capacity
370	4 qts 30 oz. (467 lit.)

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.

CAUTION!

Refer to the Quincy QR-25 Series instruction manual for vital lubrication information.

CAUTION!

Follow all safety precautions outlined in the QR-25 Series instruction manual.

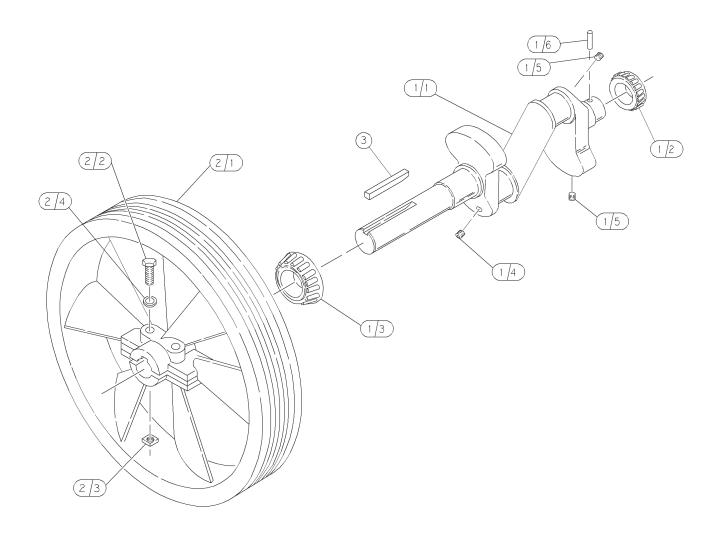
CRANKSHAFT GROUP 110630

Item Number	Qty.	Part Number	Description
1	1	111238X001	crankshaft assembly
1.1	1	111238-001	crankshaft
1.2	1	2788	bearing cone
1.3	1	40775	bearing cone
1.4	1	110234	orifice, 1/8 npt
1.5	2	2755S	pipe plug, 1/8 npt
1.6	1	110705-F17	roll pin, 3/16 x 1.38
2	1	110523X	sheave assembly
2.1	1	110523	sheave, 19-1/2", 4G, B sect., CCW (N.S.S.; order 110523X)
2.2	2	110983-N22	hex. screw, 1/2-13 unc x 3.50, grade 8 (@ 90 ftlbs.)
2.3	2	116124-N02	square nut, 1/2-13 unc
2.4	2	110428N050	flatwasher, 1/2
3	1	1466	taper key

N.S.S. = Not Sold Separate

@ Indicates torque value in foot pounds (dry threads)

Note: For reversal of compressor rotation refer to QR-25 instruction manual.

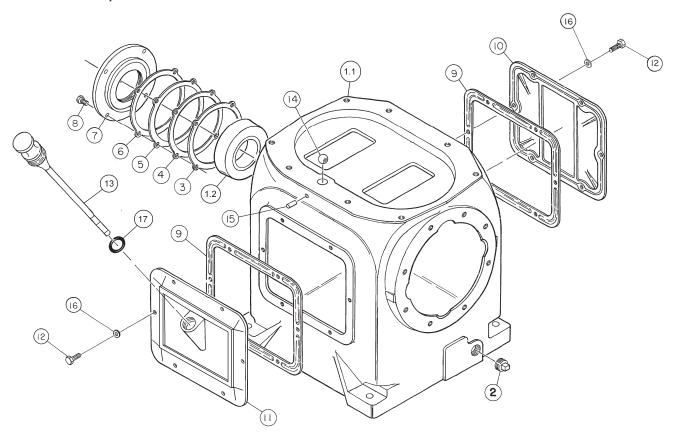


CRANKCASE GROUP 110628

Item Number	Qty.	Part Number	Description						
1	1	6904X	crankcase assembly						
1.1	1	6904R	crankcase						
1.2	1	3720	bearing cup						
2	1	2057	square head pipe plug						
3	*	1383	bearing adjustment shim, .005 steel						
4	*	1383A	bearing adjustment shim, .007 steel						
5	*	1383B	bearing adjustment shim, .020 steel						
6	*	1383D	bearing adjustment shim, .002 steel						
7	1	6930	adjustment plate (.0015 / .003 crankshaft end play)						
8	4	123478-L12	hex. screw, 3/8-16 unc x 1.00, grade 5						
9	2	1315	inspection plate gasket						
10	1	1249-1	inspection plate						
11	1	6849-2	inspection plate						
12	12	123478-K12	hex. screw, 5/16-18 unc x 1.00, grade 5 (@ 12 ftlbs.)						
13	1	111876-2	dipstick						
14	1	5783	breather ball						
15	1	5932	drive pin						
16	12	110428N031	flatwasher, 5/16						
17	1	112033-908	"o"ring, 3/32 wide x .82 o.d.						
			Maintenance Parts						
	1	6930-1X	Replacement Adjustment Plate Assembly includes adjustment plate & oil seal						

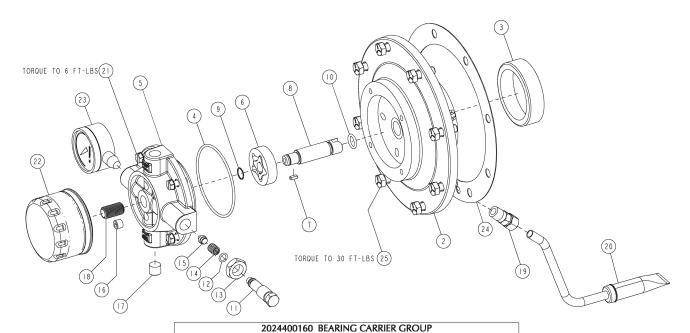
^{*} Quantity as required

N.S.S. = Not Sold Separate



[@] Indicates torque value (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.

BEARING CARRIER GROUP 2024400160



KIT)
NTT7
PT
, AND GASKET

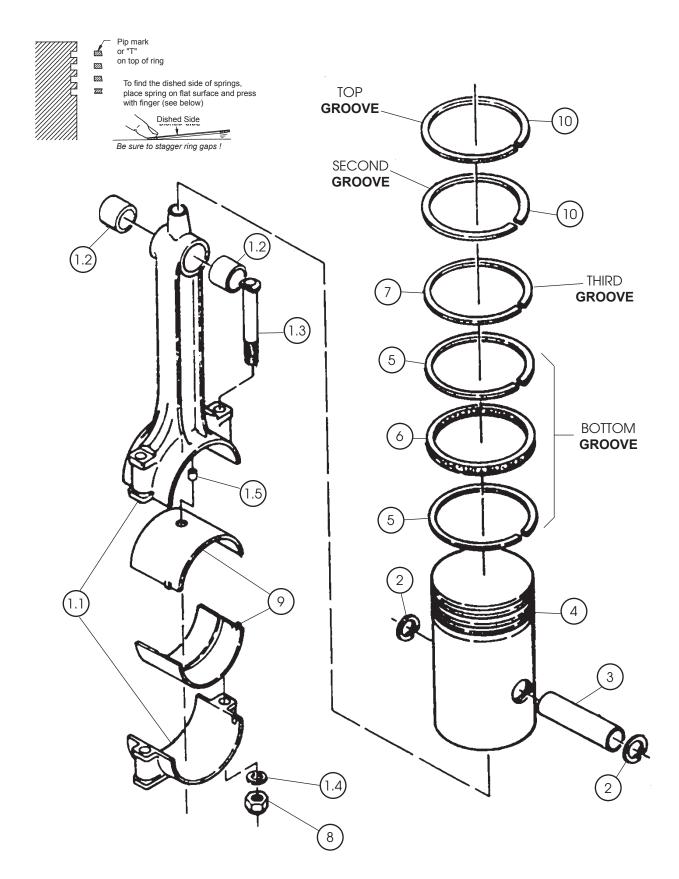
INSTALL WITH PIPE SEALANT

INSTALL WITH RETAINING COMPOUND

INSTALL WITH PIPE SEALANT ON NPT & THREADLOCKER ON NUT

N.S.S. = NOT SOLD SEPARATE
TORQUE VALUES ARE FOR DRY THREADS. TIGHTEN MULTIPLE BOLTS, CAPSCREWS, AND HEX NUTS
IN A CRIS-CROSS PATTERN. BRING EACH FASTENER TO THE RECOMMENDED TORQUE
SPECIFICATION IN EVEN INCREMENTS.

(high pressure)



(high pressure)

Item		Part	
Number	Qty.	Number	Description
1	1	110804	connecting rod assembly (N.S.S.; order 110804X)
1.1	1	110802	connecting rod (N.S.S.; order 110804X)
1.2	2	110799-010	needle bearing
1.3	2	1344	connecting rod bolt, 7/16-20 unc x 3.25
1.4	2	1319	connecting rod bolt washer
1.5	1	110801-001	plug orifice
2	2	8648	retaining ring
3	1	110190-004	piston pin
4	1	5846-001	piston, HP
5	2	112782	oil ring rail
6	1	112783	ring spacer
7	1	6997	piston ring
8	2	124471-M08	locknut, 7/16-20 unf (@ 40 ftlbs.)
9	2	6656	connecting rod insert (sold in pairs only; see maintenance parts)
10	2	111845	piston ring
			Maintenance Parts
9	1	6656PR	connecting rod inserts (1 pair, standard size)
9	1	6656-010PR	connecting rod inserts (1 pair, .010 undersize)
4	1	5846-011	piston, HP (.010 oversize)
4	1	5846-021	piston, HP (.020 oversize)
		8168A	Ring Set-Piston, HP (Standard) No Color Code includes piston rings, piston rails & spacer
		5788-010	Ring Set-Piston, HP (.010 Oversize) (L. Blue) includes all rings necessary for installing .010 oversize piston
		5788-020	Ring Set-Piston, HP (.020 Oversize) (Yellow)
			includes all rings necessary for installing .020 oversize piston
		5846X001	Piston Assembly, HP (Standard)
		5846X011	includes ring set, piston, piston pin & retaining ring Piston Assembly, HP (.010 Oversize)
		J040A011	includes ring set, piston, piston pin & retaining ring
		5846X021	Piston Assembly, HP (.020 Oversize)
			includes ring set, piston, piston pin & retaining ring
		110804X	Replacement Connecting Rod Assembly (Standard) includes connecting rod assembly, connecting rod inserts & locknuts
		110804X010	Replacement Connecting Rod Assembly (.010 Undersize)
		· - · · · ·	includes connecting rod assembly, connecting rod inserts & locknuts

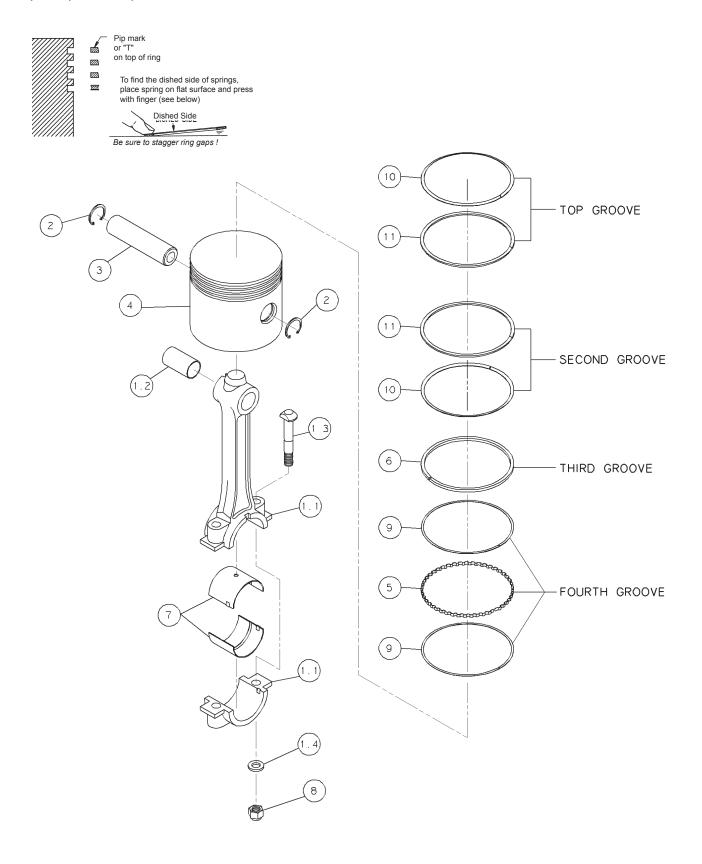
N.S.S. = Not Sold Separate

3501 Wismann Lane, Quincy IL - 62305-3116

[@] Indicates torque value (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.

^{*} One pair required for each connecting rod assembly.

(low pressure)



(low pressure)

Item		Part	
Number	Qty.	Number	Description
1	1	40081	connecting rod assembly (N.S.S.; order 6655X)
1.1	1	110803	connecting rod (N.S.S.; order 6655X)
1.2	1	6443	bushing, connecting rod (N.S.S.; order 6443SR)
1.3	2	1344	connecting rod bolt, 7/16-20 unc x 3.25
1.4	2	1319	connecting rod bolt washer
2	2	8648	retaining ring
3	1	8647	piston pin
4	1	8640	piston, LP
5	1	112749	ring spacer
6	1	9146	piston ring
7	2	6656	connecting rod insert (sold in pairs only; see maintenance parts)
8	2	124471-M08	locknut, 7/16-20 unf (@ 40 ftlbs.)
9	2	112748	oil ring rail
10	2	6994	spring
11	2	6992	piston ring
			Maintenance Parts
7	1	6656PR	connecting rod inserts (1 pair, standard size)
7	1	6656-010PR	connecting rod inserts (1 pair, .010 undersize)
4	1	8640-010	piston, LP (.010 oversize)
4	1	8640-020	piston, LP (.020 oversize)
	1	7527	Piston Ring Set, LP
			includes piston rings, piston rails, piston spring & spacer
	1	5787-010	Piston Ring Set, LP
			includes all rings necessary for installing .010 oversize piston
	1	5787-020	Piston Ring Set, LP
			includes all rings necessary for installing .020 oversize piston
		8640X	Piston Assembly, LP (Standard)
			includes ring set, piston, piston pin & retaining ring
		8640X010	Piston Assembly, LP (.010 Oversize)
			includes ring set, piston, piston pin & retaining rings
		8640X020	Piston Assembly, LP (.020 Oversize)
			includes ring set, piston, piston pin & retaining rings
		6655X	Replacement Connecting Rod Assembly (Standard)
			includes connecting rod assembly, connecting rod inserts & locknuts
		6655XUS	Replacement Connecting Rod Assembly (.010 Undersize)

N.S.S. = Not Sold Separate

[@] Indicates torque value (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.

^{*} One pair required for each connecting rod assembly.

CYLINDER & HEAD GROUP 115348-006

(control versions L, S, LS, & LVD)

6 5 FT. LBS. (a) 6 5 FT. LBS. (b) 6 6 5 FT. LBS. (c) 11333 (d) 115343 (e) 11635 (e) 11637 (f) 11637 (f) 11637 (g) 11637 (g) 11637 (h) 11637 (h	115343UU-003	1	1 1 1 1 1 1 1 1 1 1	AND CAPSCREY INCL TS AND CAPSCREY IN COURT INCR OWPRESSORS REQU	
I TORROUE TO TORROUE TORROUE TO TORROUP HOUSE TORROUP HOUSE TORROUP TO T	Σ	7 14738 8 5863 9 2728 10 11051 11 11031 12 11043 13 1234 14 11451		. *	(2) TORQUE TO 12 FT. LBS.
	8 TOROUE 65 FT.				E N D

HEAD ASSEMBLY 115343UU-003

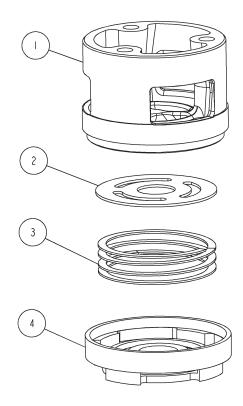
(control versions L, LS, & LVD)

ND DNV CERTIFIED APPLICATIONS REOUIRE 115343 HEAD.

		Τ										Π																								
DFSCRIPTION		ASKET, VALVE	12	DISCHARGE VALVE ASSEMBLY	VALVE RETAINER	SPRING, UNLOAD. PIN	UNLOADER PIN	VALVE PLATFORM	UNLOADER PIN	RETAINER, VALVE	GASKET, VALVE COVER		VALVE COVER PLATE	COVER PLATE	VALVE COVER PLATE	VALVE COVER PLATE	VALVE COVER CAP GASKET	HOLD DOWN SCREW	UNLOADER PISTON ASSEMBLY	UNLOADER ASSEMBLY	AY, UNLOADER, PNEUMATIC	لبا	PIPE NIPPLE, 1/4 NPT X CLOSE	PIPE FITTING, TEE, 1/4 NPT	TUBE FITTING, 90 DEGEES MALE ELBOW	TUBE FITTING, MALE CONNECTOR, 1/4 TUBE X 1/4 NPT	EW, CAP, .44NC X	NUT ASS	SURE REL	TUBE, COPPER 1/4"	MAINTENANCE PARTS	REPLACEMENT SUCTION VALVE ASSEMBLY INCLUDES ITEMS 2 AND 3 (I EACH)	REPLACEMENT SUCTION VALVE ASSEMBLY INCLUDES ITEMS 2 AND 3 (1 EACH), ITEMS 6 AND 7 (3 EACH)	REPLACEMENT DISCHARGE VALVE ASSEMBLY INCLUDES ITEMS 2 AND 4 (I EACH)	REPLACEMENT UNLOADER ASSEMBLY INCLUDES ITEMS 17, 19, AND 21 (I EACH)	REPLACEMENT UNLOADER ASSEMBLY INCLUDES ITEMS I7, 19, AND 20 (I EACH)
Y TO	; -	9	m	m	4	9	9	2	2	2	2	2	-	_	-	_	2	2	2	-	-	-	-	-	_	-	20	4	-	-						
PART NIMBER	115343	4	7749XI	7750XI	6668-IR	0169	1857	5729	6912-001	1169	7398	2025	7384	7385	8069	9999	1556	3008	7532X	40192	40055	1642	125933-001	121034-2	2614	110594-005		114545-R15	001-19	110515-025		7749X	7749XU	7750X	7483X	8272X
TFM	-	2	m	4	2	9	7	∞	6	0	=	12	-3	1 4	1.5	91	1.1	8	6	2.0	21	22	23	24	25	56	2.7	28	29	30						

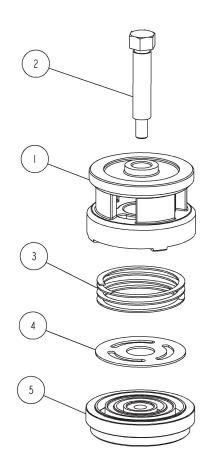
COVER PLATE SCREWS (ITEM 27) BEFORE TIGHTENING CREWS AND HEX NUTS IN A CRISS-CROSS OR EACH FASTENER TO THE RECOMMENDED TORQUE TORQUE TO 60 FT-LBS. TORQUE TO 75 FT-LBS. TORQUE TORQUE APPLY 2 DURING 2 2 22 28 8-8-1 6-1 2 ≥0(1) 30 20 **□**0 **(**) () TORQUE TO 75 FT-LBS. 56 4 0 6 \sim 27 4 23 TORQUE TO 50 FT-LBS.

SUCTION VALVE ASSEMBLY 7749X1



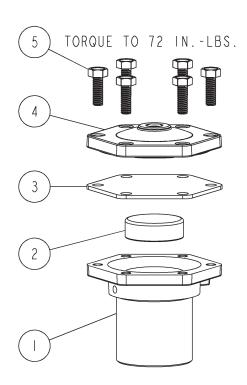
ITEM	PART NUMBER	QTY	DESCRIPTION
	7749		SEAT, SUCTION
2	7753		VALVE DISC
3	6909		VALVE SPRING
4	7751		BUMPER, SUCTION

DISCHARGE VALVE ASSEMBLY 7750X1



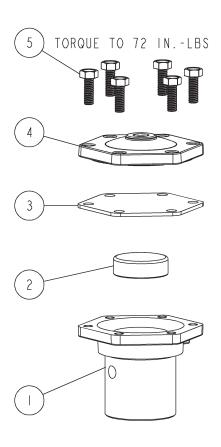
ITEM	PART NUMBER	QTY	DESCRIPTION
	7752		BUMPER, DISCHARGE
2	5746		POST, DISCHARGE VALVE
3	6909		VALVE SPRING
4	7753		VALVE DISC
5	7750		SEAT, DISCHARGE

UNLOADER ASSEMBLY 40192



ITEM	PART NUMBER	QTY	DESCRIPTION
	8272		BODY, UNLOADER
2	5910		UNLOADER CAP
3	1855		DIAPHRAGM
4	1818B		PLATE, COVER DIAPHRAGM
5	7499	6	SCREW

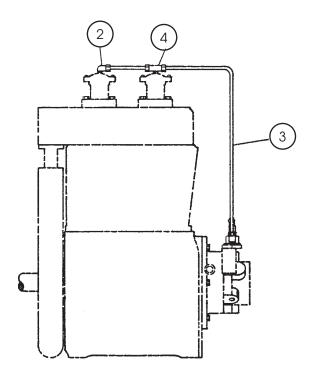
PNEUMATIC UNLOADER ASSEMBLY 40055

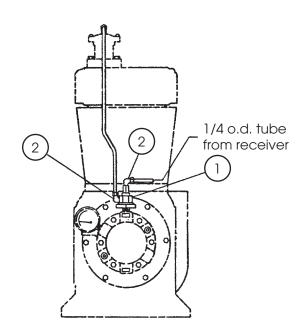


ITEM	PART NUMBER	QTY	DESCRIPTION
- 1	7483	I	UNLOADER BODY
2	5910	ı	UNLOADER CAP
3	1855	ı	DIAPHRAGM
4	1818B	ı	PLATE, COVER DIAPHRAGM
5	7499	6	SCREW

CONTROL GROUP 110860 (control versions L)

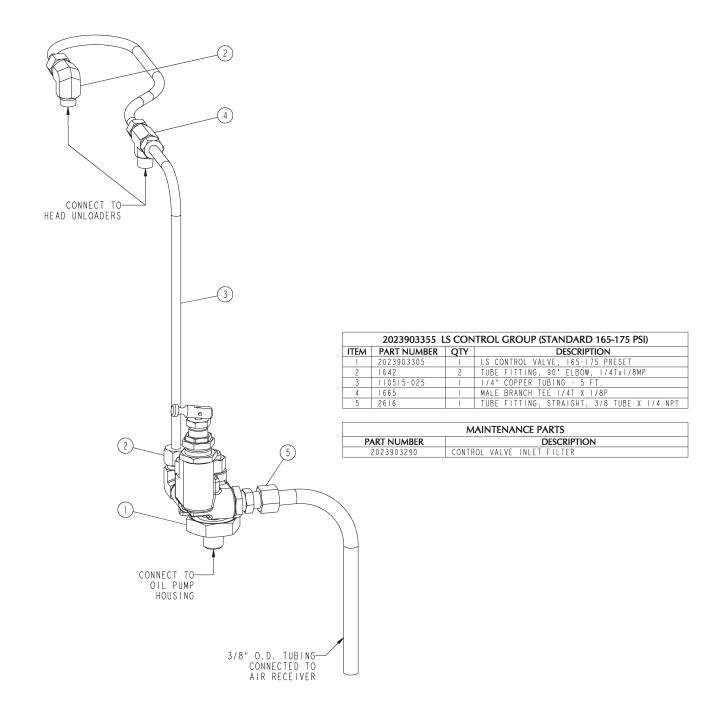
Item Number	Qty.	Part Number	Part Number	Description
1 2 3 4	1 3 4 ft. 1	0-200 PSIG 110827-001 1642 110515-025 1665 113225	201-500 PSIG 110827-002 1642 110515-025 1665 113225	hydraulic unloader assembly tube fitting, 90° male elbow, 1/4 tube x 1/8 npt copper tube, 1/4 o.d. tube fitting, male branch tee, 1/4 tube x 1/4 tube x 1/8 npt Maintenance Parts Hydraulic Unloader Repair Kit includes diaphragm, stem assembly, inlet filter & fitting assembly, spring (0-200 PSIG) and spring (201-500 PSIG, red_color code)
1 1	1 1	(for use 110827-003		s for Special Applications or phosphate ester synthetic lubricants) hydraulic unloader assembly (standard, 0-200 PSIG) hydraulic unloader assembly (high pressure, 201-500 PSIG)





CONTROL GROUP 2023903355

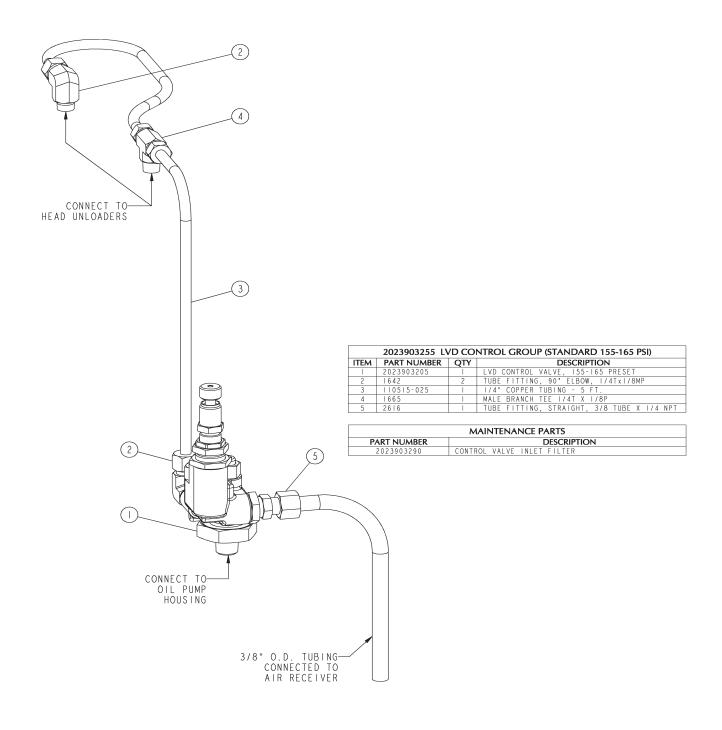
(control version LS)



^{*} See page 19 for optional pilot valves that must be used with respective pressure ranges.

CONTROL GROUP 2023903255

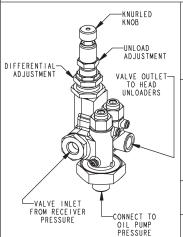
(control version LVD)



 $^{^{*}}$ See page 19 for optional pilot valves that must be used with respective pressure ranges.

COMBINATION VALVES - CONTROL VERSION "LVD"

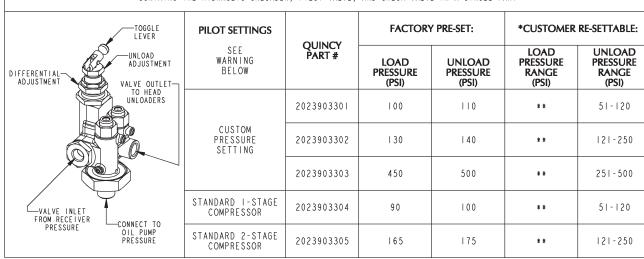
CONTAINS THE HYDRAULIC UNLOADER, PILOT VALVE, AND CHECK VALVE IN A SINGLE PART



PILOT SETTINGS		FACTORY	PRE-SET:	*CUSTOMER RE-SETTABLE:	
SEE WARNING BELOW	QUINCY PART #	LOAD PRESSURE (PSI)	UNLOAD PRESSURE (PSI)	LOAD PRESSURE RANGE (PSI)	UNLOAD PRESSURE RANGE (PSI)
	2023903201	100	115	**	51-120
CUSTOM PRESSURE SETTING	2023903202	130	140	**	121-250
	2023903203	450	500	**	251-500
STANDARD I-STAGE COMPRESSOR	2023903204	85	95	**	51-120
STANDARD 2-STAGE COMPRESSOR	2023903205	155	165	**	121-250

COMBINATION VALVES - CONTROL VERSION "LS"

CONTAINS THE HYDRAULIC UNLOADER, PILOT VALVE, AND CHECK VALVE IN A SINGLE PART



- * THE PILOT IS SUPPLIED PRESET FROM THE FACTORY. IF THE PILOT NEEDS TO BE RESET, REFER TO THE QR-25 SERIES INSTRUCTION MANUAL FOR INSTRUCTIONS.
- ** SEE DIFFERENTIAL SETTING CHART. LOAD PRESSURE = UNLOAD PRESSURE DIFFERENTIAL.

DIFFERENTIAL SETTING CHART					
UNLOAD PRESSURE (PSI)	DIFFERENTIAL MIN-MAX (PSI)				
51-175	10-15				
175-250	15-25				
251-500	25-50				

WARNING!

NOT ALL PILOTS ARE FOR USE WITH ALL COMPRESSOR SYSTEMS.

MAKE SURE THAT THE PILOT YOU ORDER IS SET WITHIN THE SAFE
OPERATING LIMITS OF YOUR COMPRESSOR. FAILURE TO HEED
THIS WARNING COULD RESULT IN AN EXLOSION.

REFER TO THE "INTRODUCTION" SECTION OF YOUR PARTS MANUAL FOR THE SAFE OPERATING LIMITS OF YOUR COMPRESSOR.

SUCTION VALVE UNLOADER ASSEMBLIES

Description

The Quincy suction valve unloader assembly consists of unloading arrangements on the suction valves, having a plunger to contact the suction valve disc and an unloader pilot valve to automatically regulate the passing of receiver pressure to the unloading arrangement.

Application

Suction valve unloader assemblies are recommended for use on Quincy compressors where the compressor is to run continuously and a constant pressure is to be maintained. The purpose is to automatically unseat the suction valve of the compressor when the air supply is greater than the demand.

Operation

Unloading occurs when receiver pressure is sufficient to overcome pilot valve spring pressure. The check ball is then unseated, allowing receiver pressure to pass to the unloading arrangements. The compressor will run unloaded until the receiver pressure drops to a predetermined level. At this time, the action of the ball is reversed, shutting off receiver pressure to the unloader arrangement and venting the unloader to atmosphere. This allows the compressor to load. The drive, either electric motor or combustion engine, runs continuously and must be started and stopped manually.

The LS control version is equipped with a toggle lever on the pilot valve which can be flipped to provide manual unloading.

The LVD control version is designed to provide a choice between "start/stop" or "continuous run" operation. The LVD pilot valve can be set for "start/stop" operation by turning the knurled knob at the end of the pilot valve clockwise until it stops. Under these circumstances a pressure switch is required to stop the motor. Failure to use a pressure switch, with the pilot valve locked out, could result in unsafe conditions.

WARNING!

A pressure switch must be incorporated whenever an LVD pilot valve is employed as part of the control system.

The compressor will operate in the continous run mode if the knurled knob on the LVD pilot valve is turned counterclockwise until it stops.

Installation

The pilot valve is to be connected to the air receiver using a minimum of 3/8" o.d. copper tube. Compressors in the field, not equipped with a suction valve unloader assembly, can be converted to constant speed. Consult your local Quincy distributor for assistance with conversion procedures.

Service

Periodically check the filter & screens in the inlet of the pilot valve to make sure they are free of obstructions. If they become clogged, remove and clean or replace. Inspect the "o"ring located in the opposite end of the pilot valve body for wear or damage; replace if necessary.

Adjustment

The unloading pressure is adjustable and is regulated by turning the hex nut (marked "unload adj." in cross sectional illustrations of pilot valves). Turn the hex nut clockwise to increase and counterclockwise to decrease the unloading pressure.

The differential (difference between unloading and loading pressure) is set by turning the hex nut marked "differential adjustment" in the illustrations of the pilot valves on previous pages. Increase the differential pressure by turning the hex nut clockwise - decrease by turning counterclockwise. Tighten the locknuts after adjustment.

	Head Kit K370A						
Item		Part					
#	Qty.	Number	Description				
	1	110377E200	air filter element				
	2	1556	gasket				
	2	1855	diaphragm				
	6	2024	gasket, valve				
	2	7398	gasket, valve cover				
	2	2025	gasket, valve cover				
	6	7753	valve disc				
	1	7403	gasket, cylinder to head				
	6	6909	valve spring				
	1	5860	gasket, intercooler				

	Yearly Maintenance Kit 110516-370					
Item	01	Part	D			
#	Qty.	Number	Description			
	1	110822	oil pressure gauge			
	2	1855	diaphragm			
	6	1857	valve pin			
	6	7753	valve disc			
	2	6283	hydraulic unloader filter			
	6	6909	valve spring			
	6	6910	valve spring			
	1	7503	gasket set			

	Oil Pump Repair Kit 2022132306					
Item		Part				
#	Qty.	Number	Description			
	1	160003	oil pump gerotor			
	1	2024200201	driveshaft			
	1	160075-001	key			
	1	6285	retaining ring			
	1	22749-011	"o"ring			
	1	22749 - 112	"o"ring			
	1	22749-152	"o"ring			

Overhaul Kit K370B					
Item		Part			
#	Qty.	Number	Description		
	1	110377E200	air filter element		
	6	7753	valve disc		
	2	6656PR	connecting rod inserts (1 pair)		
	6	6909	valve spring		
	1	7503	gasket set		
	1	8168	ring set		
	1	7527	ring set		
	1	110774	"o"ring kit		

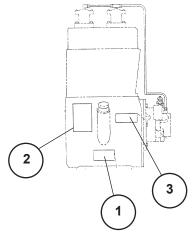
Tem	E	Basic (Compresso	r Repair Kit 2022118441
1 110377E200 air filter element 1 110774 "o"ring kit 1 2023400100 oil filter 1 2720 bearing cup 1 2788 bearing cone 1 3720 bearing cup 1 40775 bearing cone 2 6443SR connecting rod bushing 2 6656PR connecting rod inserts (1 pair) 6 6909 valve spring 1 7503 gasket set 1 7527 ring set	1	Qty.		Description
6 7753 valve disc 1 8168 gasket set		1 1 1 1 1 1 1 1 2 2 6 1 1 1 6	110377E200 110774 2023400100 2720 2788 3720 40775 6443SR 6656PR 6909 7503 7527 7753	air filter element "o"ring kit oil filter bearing cup bearing cone bearing cone connecting rod bushing connecting rod inserts (1 pair) valve spring gasket set ring set valve disc

Piston Pin Kit K370E					
Item		Part			
#	Qty.	Number	Description		
	1	6443SR	con-rod bearing		
	1	110190-004	piston pin		
	1	8647	piston pin		
	2	110799-010	bearing		
	2	8648	retaining ring		

	Gasket Set 7503					
Item		Part				
#	Qty.	Number	Description			
	2 1315		inspection plate gasket			
	3	1383	bearing adj. shim, .005 steel			
	5 1383A		bearing adj. shim, .007 steel			
	3 1383B		bearing adj. shim, .020 steel			
	2 1383D		bearing adj. shim, .002 steel			
	2	1556	gasket			
	6	2024	valve gasket			
	2 2025		valve cover gasket			
	1 5502		gasket			
	1 5827-2		gasket, cylinder to crankcase			
	1 6679		gasket			
	2 7398		valve cover gasket			
	1	7403	gasket, cylinder to head			

Recommended Spare Parts					
Item		Part			
#	Qty.	Number	Description		
	3	7749X	replacement suction valve assy.		
	3 7750X		replacement discharge valve		
		assy.			
	1 110822 1 2022132306		pressure gauge		
			oil pump repair kit		
	1 7503		gasket set		
	1 113225 2 6656PR		hydraulic unloader repair kit		
			connecting rod inserts (1 pair)		
	2	1855	unloader diaphragm		
	1 2023903290		control valve inlet filter		
	1	110377E200	air filter element		





Decals for QR 370 Basic Compressor					
Item #	Qty.	Part Number	Description		
1 2	1 1	110831 127889-A	serial number & nameplate decal, CAUTION!/manual/ "Failure to follow"		
3	1	127889-B	decal, DANGER! / "Air used for breathing"		

TYPICAL UNIT REPAIR PARTS LIST

The parts listed here are for <u>standard</u> QR 370 (up to 175 PSIG) units and may or may not be applicable to custom built units. Check with your local authorized Quincy distributor for parts that can be used for custom built units. Make sure the components you order are rated within the safe operating limits of your system. If you are doubtful about which components to order, contact your local Quincy distributor.

(QR 370 simplex - horizontal tank - electric motor)

Qty	Part Number	Part Number	Part Number	Description
1 1 1 1 1 1 1 3.5 ft.	120 gal. 113271-200 * 113280 111136-050 111136-100 110514-300 110512-003 110513-200 110515-100 111265-100			tank (200 PSIG max. working pressure) top plate tank drain valve ball valve pressure gauge § pressure switch (135-175 PSIG) pressure relief valve (200 PSIG) ! discharge tube (1" copper tube to be formed by customer) ferrule (for discharge tube)
3 1 1	15 h.p. 110258B085 111468-158 111967K003 200v, 3Ø 40657	230/460v, 3Ø 127466L042		drive belt motor pulley / bushing belt guard assembly 15 h.p. motor (ODP)

^{§ 2298-175} pressure switch for base mounted units.

(QR 370 duplex - horizontal tank - electric motor)

Qty	Part Number	Part Number	Part Number	Description
1 2 1 1 1 2 1 7 ft.	200 gal. 113469-200 113280 111136-050 111136-100 110514-300 110512-003 110513-200 110515-100 111265-100			tank (200 PSIG max. working pressure) top plate tank drain valve ball valve pressure gauge pressure switch (135-175 PSIG) pressure relief valve (200 PSIG) ! discharge tube (1" copper tube to be formed by customer) ferrule (for discharge tube)
6 2 2	15 h.p. 110258B085 111468-158 111967K003 200v, 3Ø	230/460v, 3Ø		drive belt motor pulley / bushing belt guard assembly
2	40657	127466L042		15 h.p. motor (ODP)

^{* 113280} top plate is also used for all QR 370 base mounted electric motor driven units.

Part numbers shown in italics apply to tank mounted units and base mounted units.

[!] Pre-formed discharge tubes are available. Contact factory with model & tank size information.

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 bare 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



Reciprocating / Systems: 217.222.7700

E-mail: info@quincycompressor.com

Website: quincycompressor.com



