

PARTS LIST

CURTIS AIR COMPRESSOR MODEL C-80 TWIN CYLINDER

LOT NO. C-8025-A AND LARGER

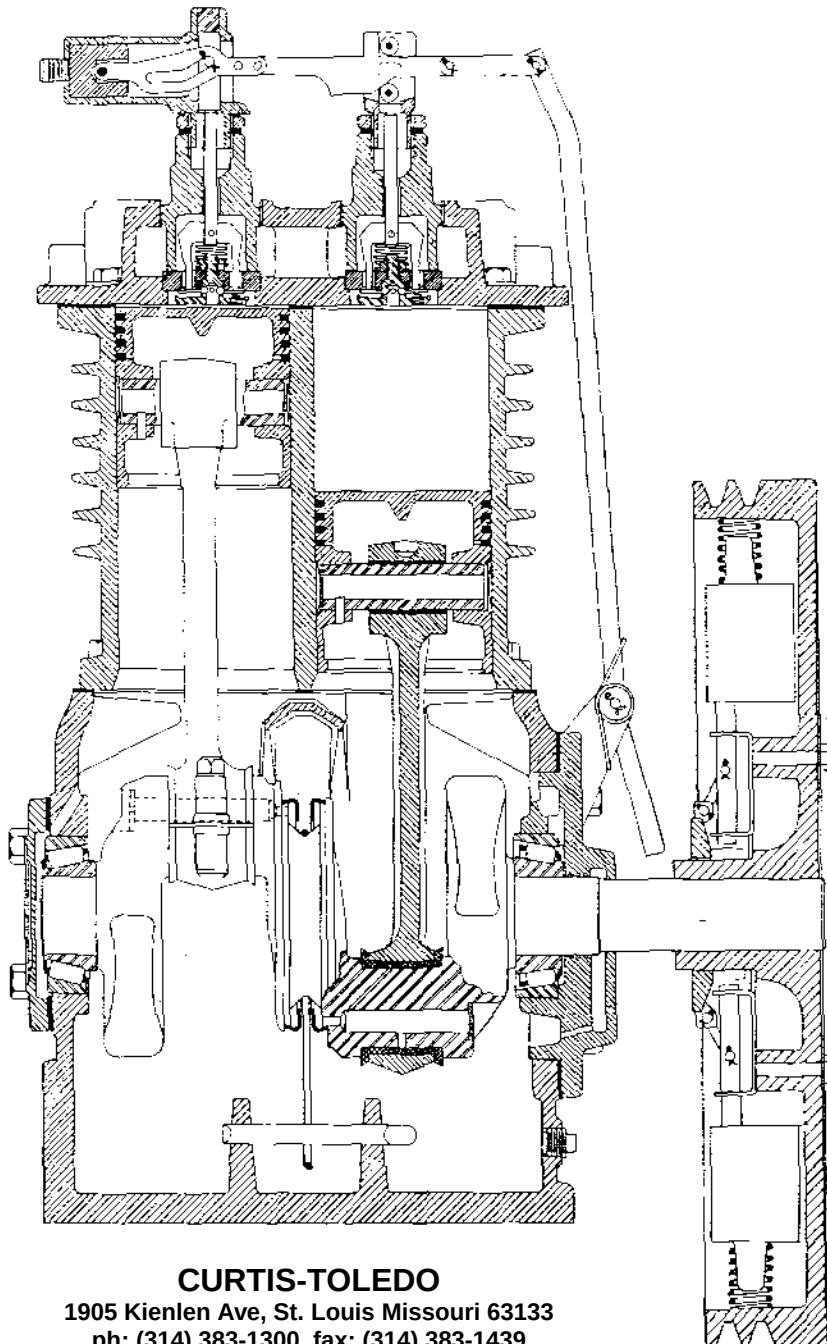
SIZE: 3-3/8" - 3-3/8" x 3-1/2"

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Supersedes, CAP-83C



CURTIS-TOLEDO

1905 Kienlen Ave, St. Louis Missouri 63133

ph: (314) 383-1300 fax: (314) 383-1439

email: info@curtistoledo.com website: www.curtistoledo.com

Sales representatives in principal cities

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PLATE TYPE UNLOADING MECHANISM

PART NUMBER	NUMBER REQ'D	NAME OF PART
CB-28-Z	1	Air Pressure Unloading Cylinder Assembly
R-335	8	#10-32 x 3/4" Filister Head Mach. Screws*
CB-976	1	Unloader Diaphragm Cap
CP-616-7	1	Unloader Diaphragm.
CB-986	1	Unloader Piston Assembly-40Lb.
CB-967	1	Lower Cylinder Spring
CB-975	1	Unloader Diaphragm Body
CB-974	1	Unloader Pin, 3/8" Dia. x 2-1/8" Long
R-365	2	1/4" N.C. x 3/4" Hex. Head Cap Screws*
R-307	2	1/4" x .109" x .062" Kantlink Lockwashers*
CB-941	1	Unloader Plate.
CB-949	1	Unloader Bar-Short
R-390	2	3/32" x 3/4" Cotters*
CB-944	2	Unloader Plug Clamps
R-377	2	5/16" N.C. x 1-3/4" Hex. Head Cap Screws*.
CB-952	2	Unloader Plugs-Short.
CQ-258	2	S.V. Plugs (Included in Cylinder Head Assembly)
CBA-911	2	Unloader Fork Assembly.
CB-28-A	1	Air Pressure Unloader (Pilot)

HAND UNLOADER

CB-5-F	2	Hand Unloaders
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*Standard hardware item — may be purchased locally.

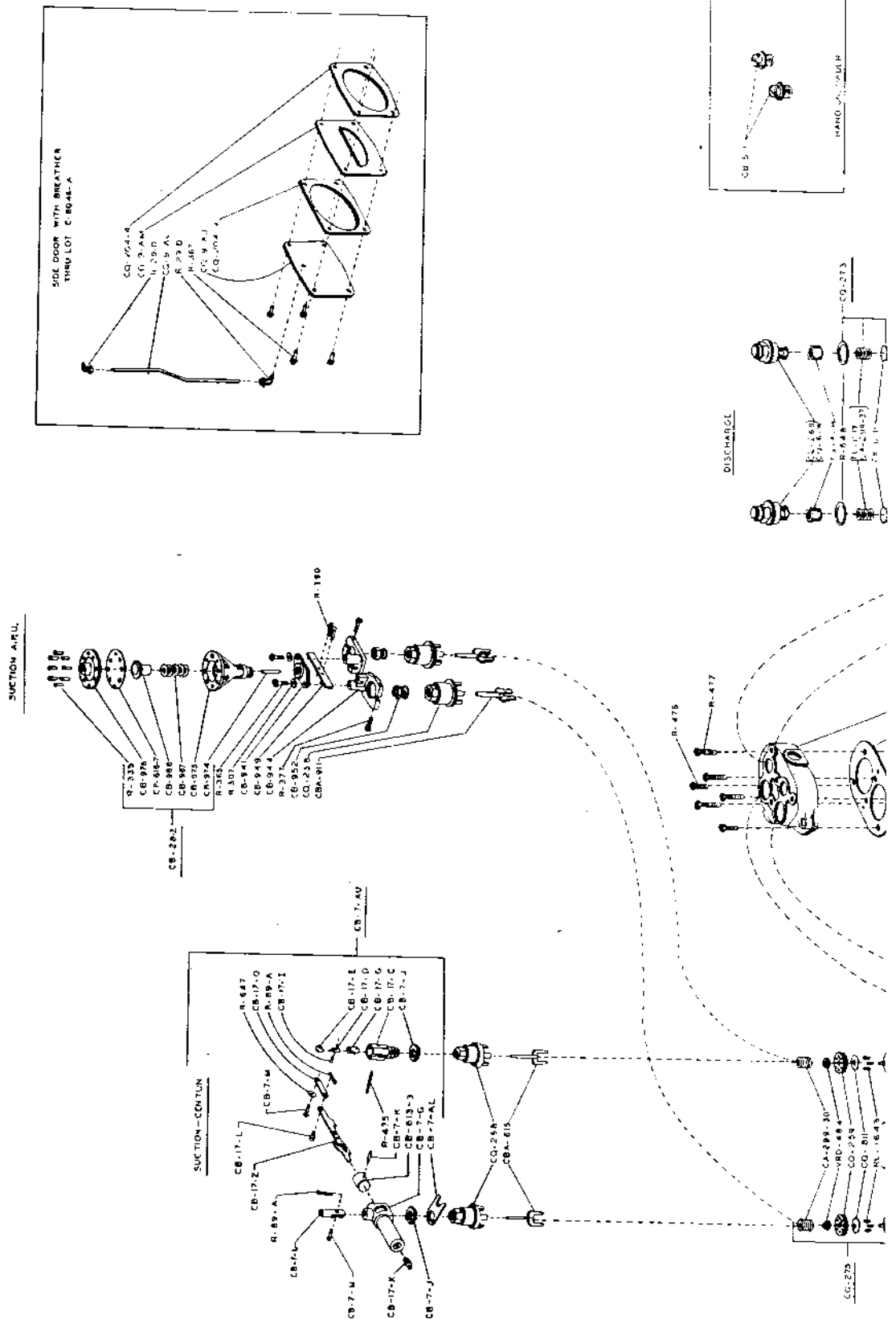
SERIAL NUMBER OF COMPRESSOR must be given when ordering repair parts. Serial number appears on nameplate attached to small endplate on blank side of compressor.

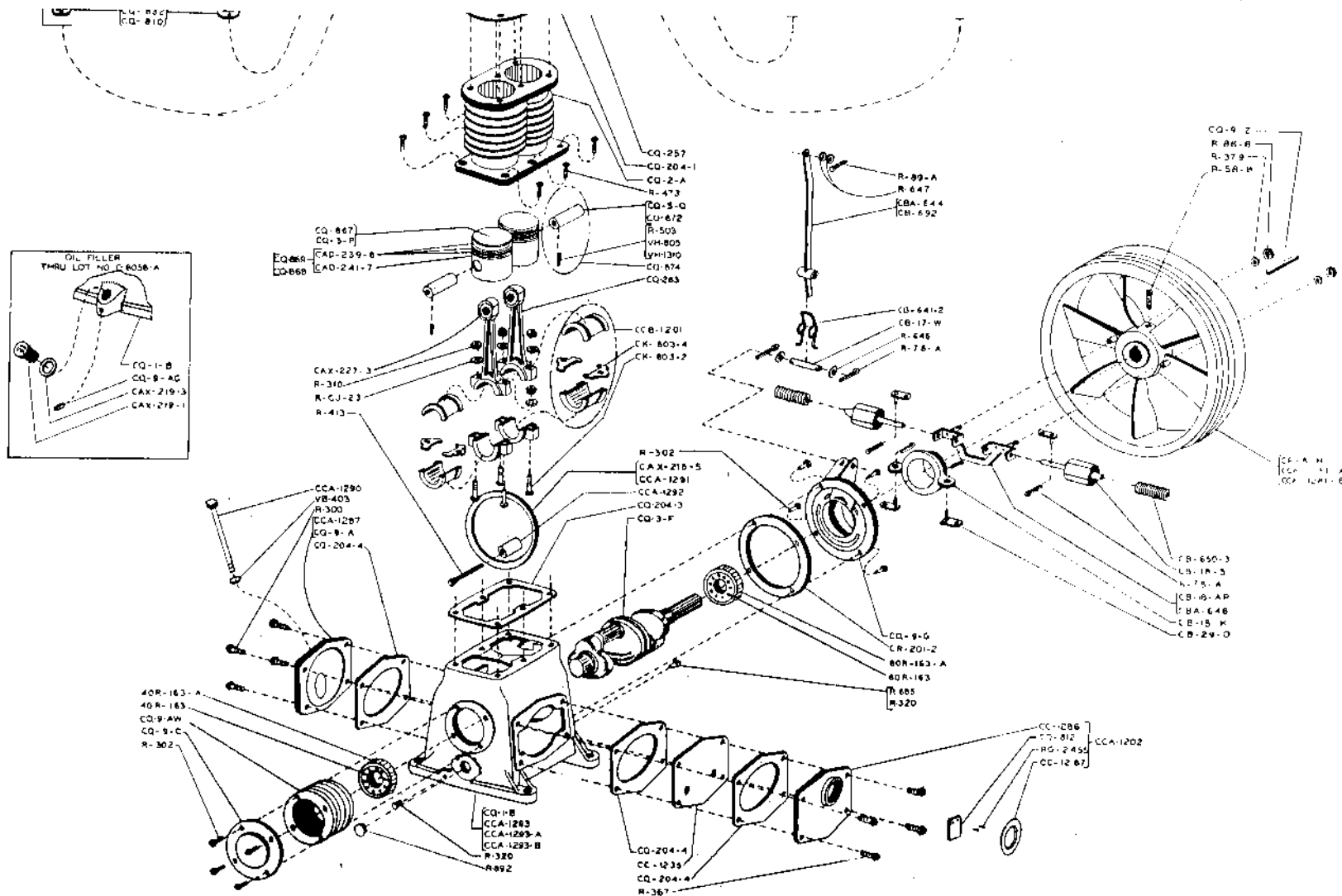
Refer to MASTER PARTS PRICE LIST MCPL-2-D for prices.

CURTIS AIR COMPRESSOR MODEL C-80 TWIN CYLINDER

LOT NO. C-8025A AND LARGER

SIZE: 3 3/8" - 3 3/8" x 3 1/2"





Give name and part number as shown and SERIAL NUMBER of compressor when ordering parts.
Serial number appears on nameplate attached to small endplate of compressor.

PARTS LIST

MODEL C-80 TWIN CYLINDER

LOT NO. C-8025-A AND LARGER

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BODY PARTS

PART NUMBER	NUMBER REQ'D	NAME OF PART
CAX-216-S	1	Oiling Ring, 6-1/2" O.D. (1R-140) thru Lot C-8057A
CAX-219-I	1	Oil Filling Cap (40R-35) C8025-A thru C8058-A
CAX-219-3	1	Oil Filling Cap Gasket (40R-35-A) C8025-A thru C8058A
CCA-1291	1	Oiling Ring, 6-7/8" O.D. Lot C-8058A and Larger
CQ-1-B	1	Crankcase (80R-2) Not Available For Lot C8025-A thru C8058-A, furnish (1) CCA-1293 Crankcase, (1) CCA-1287 Side Door With Oil Fill Port, (1) CCA-1290 Oil Dip Stick, (1) CQ-204-4 Side Door Gasket & (1) CCA-1291 Oiling Ring
CCA-1293	1	Crankcase Lot C8059-A & Larger
CCA-1293-A	1	Crankcase (With Sight Glass Port) Lot C8059-A & Larger
CCA-1293B	1	Crankcase (With Low Oil Level Device Port) Lot C8059-A & Larger
CQ-2-A	1	Cylinder, DI-1-AX (80R-3)
CQ-204-3	1	Crankcase Gasket (80R-151)
CQ-204-4	3	Side Door Gaskets, 1/8" Thick Cork (80R-146)
CQ-9-A	1	Side Door (80R-148) Lot C8025-A thru C8058-A
CCA-1287	1	Side Door With Oil Fill Port, Lot C8059-A & Larger
CQ-9-AG	1	Oil Level Guide Pin (10R-142) Lot C8025-A thru C8058-A
CCA-1292	1	Retaining spacer, Lot C8058-A only
CCA-1290	1	Oil Dip Stick, Lot C8059-A & Larger
R-892	1	Oil Sight Glass No. OP-0875, Lot C8059-A & Larger
VB-403	1	O-Ring (Oil Dip Stick) Lot C8059-A and Larger
CQ-9-AJ	1	Side Door with Breather Port, AK-2-XDA (80R-148-B) thru lot C-8046-A
CQ-9-AL	1	Breather Tube, 5/8" O.D. Copper Tube (80R-29-A) thru lot C-8046-A
CCA-1202	1	Side Door with Breather Valve Lot C8047-A & Larger
CQ-9-AM	1	Side Door Baffle (Comp. Lead) (80R-64-A) thru lot C-8046-A Not Available Furnish CC-1235
CC-1235	1	Side Door Baffle, Lot C8025-A and Larger
CC-1286	1	Side Door with Breather Port lot C-8047-A and larger
CC-1287	1	Breather Cover lot C-8047-A and larger
CQ-812	1	Breather Valve lot C-8047-A and larger
CQ-849	1	Breather Valve Reinforcer lot C-8047-A and larger
RG-2455	2	Breather Valve Screws lot C-8047-A and larger
CQ-9-C	1	Small End Plate, AK-3-P (80R-149)
CQ-9-G	1	Large End Plate with Timken Cup 80R-163-A (80R-123-B)
CQ-9-Z	1	Feather Key, 1/4" Square x 3" Long (80R-58)
CR-201-2	1	Large End Plate Gasket (80R-161)
R-29-D	2	5/16" Tube x 1/8" M.P.T. Compression Elbow (Breather Tube) thru lot C-8046-A
R-58-B	1	3/8" N.C. x 1-1/2" Sq. Head C.P. Set Screw (Flywheel)
R-300	4	5/16" N.C. x 3/4" Hex. Head Cap Screws (Side Door)
R-302	8	3/8" N.C. x 1" Hex. Head Cap Screws (End Plates)
R-320	1	1/4" Pipe Plug (Crankcase) Lot C-8025-A and Larger
R-367	4	5/16" N.C. x 7/8" Hex. Head Cap Screws (Breather-Side Door)
R-413	1	5/16" x 3-3/4" Cotter (For Oiling Ring)
R-473	6	7/16" N.C. x 1-1/4" Hex. Head Cap Screws (Cylinder)
R-476	2	7/16" N.C. x 1" Hex. Head Cap Screws (Cylinder Head)
R-477	4	7/16" N.C. x 2-1/2" Hex. Head Cap Screws (Cylinder Head)
R-685	1	1/2" Pipe Plug Lot C-8059-A and Larger
40R-163-A	1	Timken Cup (Small End Plate Side)
CQ-9-AW	1	Set of Shims (Small End Plate)
80R-163-A	1	Timken Cup (Large End Plate Side)
CQ-9-AU	1	Set of Gaskets
CCA-1281-A	1	Flywheel 2-A lot C-8056-A and larger (except C-8057-A)
CCA-1281-B	1	Flywheel 3-A lot C-8057-A only
CR-8-H	1	3 Groove Flywheel (Centun) (80R-81) thru lot C-8055-A

PISTON ASSEMBLY

CAD-239-8	**	Piston Rings-Compression, 3-3/8" Dia x 1/8" Wide (50R-9)
CAD-241-7	***	Piston Rings-Oil, 3-3/8" Dia x 5/32" Wide (50R-9-BA)
CQ-5-P	2	Piston (Not Available) Furnish CQ-867 See Note 1
CQ-5-Q	2	Piston Pin (Not Available) Furnish CQ-874 Piston Pin Kit
R-503	2	Cotter, 5/32 x 1-1/2 (Not Available) Furnish VH-805 Cotter, Stainless steel 5/32 x 1-1/2
VH-805	2	Cotter, stainless steel, 5/32 x 1-1/2, Lot C8025A thru C8059A
CQ-5-R	2	Piston with Rings & Pin Lot C8025A & Larger. See Note 1
CQ-5-R-010	2	Piston with Rings & Pin .010 OS Lot C8025 & Larger. See Note 1
CQ-5-R-030	2	Piston with Rings & Pin .030 OS Lot C8025 & Larger. See Note 1
CQ-867	2	Piston Lot C8060A & Larger. (Furnish CQ-5-R for lot C8025A thru C8059A.)
CQ-867-010	2	Piston, .010 OS Lot 8060A & Larger. Furnish CQ-5-R-010 for Lot C-8025-A thru C-8059-A
CQ-867-030	2	Piston, .030 OS Lot C8060A & larger. (Furnish CQ-5-R-030 for Lot C8025A thru C8059A)
CQ-868	2	Piston Ring Set (2 sets required per comp.) Lot C8048A & larger
CQ-868-010	2	Piston Ring Set .010 OS (2 sets required per comp.) Lot C8048A & larger
CQ-868-030	2	Piston Ring Set .030 OS (2 sets required per comp.) Lot C8048A & larger
CQ-869	2	Piston Ring Set (2 sets required per comp.) Lot C8025A thru C8047B
CQ-869-010	2	Piston Ring Set .010 OS (2 sets required per comp.) Lot C8025A thru C8047A
CQ-869-030	2	Piston Ring Set .030 OS (2 sets required per comp.) Lot C8025A thru C8047A
CQ-872	2	Piston Pin Lot C8060A & larger
CQ-874	2	Piston Pin Kit, Lot C8025A thru C8059A
CQ-284	2	Piston with Rings, Pin, Conn. Rod and Bearing. See Note 1
VH-1310	2	Roll Pin, 3/16 x 1/2 long, Lot C8060A & larger

CENTRIFUGAL UNLOADING PARTS

CB-613-3	1	Piston, 1-1/8" Dia. Carbon (10R-71)
CB-641-2	1	Lever Spring (40R-85)
CB-692	1	Lever (80R-79) thru lot C-8054A
CBA-644	1	Lever lot C-8055A and larger
CB-7-G	1	Cylinder with Check Valve CB-17-X (10R-70)
CB-7-J	2	Cylinder Locknuts, 1-1/8" Hex (10R-74)
CB-7-K	1	Piston Pin, 3/16" Dia. Brass 7/8" Long (10R-72)
CB-7-L	1	Unloader Plunger, 7/16" Dia x 1-27/32" Long (10R-75)
CB-7-M	2	Drilled Rivets, 3/16" x 5/8" Long 10R-73
CB-7-AL	1	Cylinder Lock
CB-17-C	1	Guide, 7/8" Hex. Brass 2-3/16" Long (1R-126)
CB-17-D	1	Roller, 3/8" Dia. Brass 7/64" Long (1R-128)
CB-17-E	1	Roller-Stationary, 3/8" Dia x 7/16" Long (1R-130)
CB-17-G	1	Follower, 7/16" Dia. Brass 15/16" Long (1R-132)
CB-17-I	1	Roller Pin, 1/8" Dia x 3/8" Long (1R-131)
CB-17-L	1	Small Link Hinge Pin, 1/4" Dia, 7/16" Long (1R-133)

*Standard hardware item - may be purchased locally.

Refer to master parts list MCPL-2D for prices

**CAD-239-8 used on lots thru C-8047-A, & used on lot C-8048-A and larger.

***CAD-241-7-4 used on lots thru C-8047-A, 2 used on lot C-8048-A and larger

NOTE 1 These items must always be furnished in pairs (2) when replacing cast iron pistons. This is necessary in order to avoid excessive vibration

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PARTS LIST

MODEL C-80 TWIN CYLINDER

LOT NO. C-8025-A AND LARGER

CENTRIFUGAL UNLOADING PARTS - Continued

PART NUMBER	NUMBER REQ'D	NAME OF PART
CB-17-O	1	Cam Link, 3/32 x 3/8 x 2-1 16 C.R.S. (80R-129)
CB-17-W	1	Lever Hinge Pin, 1/4 Dia. x 2-3/16 Long (40R-96)
CB-17-X	1	Check Valve (10R-124)
CB-17-Z	1	Double Cam (80R-77)
* R-78-A	2	1/16 x 3/8" Cotter Pins
* R-89-A	3	1/16 x 1/2 Cotter Pins
* R-475	1	1/8 x 1-1/2 Cotter Pins
* R-646	2	1/4 Burrs
* R-647	3	3/16 Burrs
CB-7-AU	1	Centrifugal Dash Pot Assembly with Guide and Cams
CENTRIFUGAL FLYWHEEL PARTS		
CB-650-3	2	Weight Springs (80R-87)
CB-18-AP	1	Weight Frame, with Studs, Nuts & Lockwashers (80R-88)
CBA-646	1	(thru lot C-8055-A)
		Centun Wgt. Frame w/Studs, Nuts & Lockwashers (Lot C-8056-A & Larger)
CB-18-K	1	Collar, AE-185 (15R-86)
CB-18-S	2	Weights, AE-193 (80R-83)
CB-29-O	4	Flywheel Links with Rivets (80R-89)
R-78-A	4	1/16 x 3/8" Cotter Pins
CQ-23-V	1 Set	Centrifugal Flywheel Parts (Listed Above) thru lot C-8055-A
CQ-282		Centun Parts for Flywheel for lot C-8056-A & larger
CQ-23-Q	1	3-Groove Flywheel with Centrifugal Parts thru Lot C-8055-A
CQ-280		Flywheel w/Centun Parts for lot C-8056-A & larger except C-8057-A
CQ-281		Flywheel w/Centun Parts for lot C-8057-A only

CYLINDER HEAD ASSEMBLY

CA-299-30	2	Unloading Fork Springs
CA-299-37	2	Discharge Valve Springs lot C-8047-A & larger for use with CQ-269 only
CBA-615	2	Unloading Fork Assemblies (For Centun and Hand Unloader)
CQ-204-1	1	Cylinder Head Gasket (80R-19)
CQ-257	1	Cylinder Head Only
CQ-258	2	Suction Valve Plugs
CQ-259	2	Suction Valve Seats
CQ-6-W	2	Discharge Valve Plugs (40R-214) thru lot C-8046-A. Not available, furnish CQ-269 D.V. Plug & CA-299-37 Spring
CQ-811	2	Valve Disc, 1-23/64" O.D. (Suction)
CX-6-H	2	Discharge Valve Cages (40R-294)
CX-6-R	2	Valve Disc, 1-1/4" O.D. (Discharge) (40R-213)
R-648	2	Copper Asbestos Gaskets (40R-218)
RL-1217	2	Discharge Valve Springs thru lot C-8046-A. For use with CQ-6-W only
RL-1843	6	Suction Valve Springs
VRD-484	2	1 1/4" - 28 Self Retaining Lock Nuts
CQ-267	—	Cyl. Head with Valves, Gasket & Internal Parts up to & including Valve Plug for A.P. UNL
CQ-261	1	Cylinder Head with Valves, Gasket and Int. Parts up to and including Valve Plug Centun or Hand Unloader
CQ-269	2	Discharge Valve Plugs lot C-8047-A and larger
CQ-273	2	Discharge Valve Group
CQ-275	2	Suction Valve Group
CQ-810	2	Suction Valve Guides thru lot C-8030A. Not available, use CQ-832
CQ-832	2	Suction Valve Guide for lot C-8031A and larger

CRANKSHAFT ASSEMBLY

CQ-3-F	1	T.P. Crankshaft (80R-3)
CQ-4-D	2	Connecting Rods - Complete - With Bearing and Bushing (80R-6-HE). Not available, use CQ-283
CAX-209-5	2	Bearing, p-29 (4 Halves) (40R-7). Not available, use CCB-1201
CQ-283	2	Connecting Rods complete with Bearing & Bushing
CCB-1201	2	Bearing P-29 (4 Halves) and Shims
CAX-227-3	2	Connecting Rod Piston Pin Bushing (40R-11)
CK-803-2	4	Connecting Rod Bolts, 3/8 SAE x 2-1 1/4 Long (40R-32)
CK-803-4	4	Laminated Shims, 1/16" Thick (40R-33)
* R-309	4	3/8" Spring Lock Washer
* R-310	4	3/8" SAE Hex. Nuts
40R-163	1	Timken Cone - Small End Plate Side
80R-163	1	Timken Cone - Large End Plate Side

*Standard hardware item - may be purchased locally.

Refer to master parts price list MCPL-2-D for prices.