Replacement Components Division

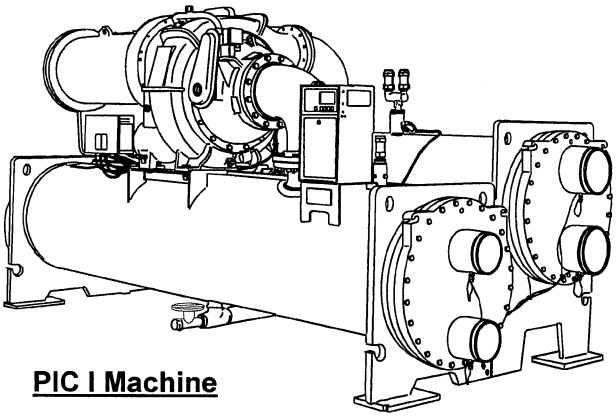
Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

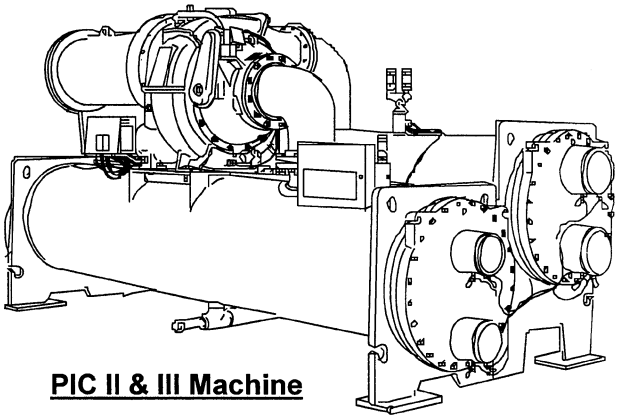
This Service Parts Guide Is Compressor Frame Size Driven.

Model Name Descriptions:

(19XR FR#2) 19XR Machine With Frame #2 Compressor & With Frame #1, 2, Or 3 Cooler\Condenser Vessels.
(19XR FR#3) 19XR Machine With Frame #3 Compressor & With Frame #3, 4, Or 5 Cooler\Condenser Vessels.
(19XR FR#3 REB) 19XR Machine With Frame #3 Compressor With Roller Element Bearings & With Frame #3, 4 Or 5 Cooler\Condenser Vessels.
(19XR FR#4) 19XR Machine With Frame #4 Compressor Without Split Ring Diffuser & With Frame #5, 6, Or 7 Cooler\Condenser Vessels, Built Prior To January 2002.
19XR FR#4 2002) 19XR Machine With Frame #4 Compressor Without Split Ring Diffuser & With Frame #5, 6, Or 7 Cooler\Condenser Vessels, Built After December 2001.
19XR FR#4) 19XR Machine With Frame #4 Compressor With Split Ring Diffuser & With Frame #5, 6, Or 7 Cooler\Condenser Vessels.
(19XR FR#5) 19XR Machine With Frame #5 Compressor & With Frame #7 Or 8 Cooler\Condenser Vessels.



PIC I Machine



PIC II & III Machine

How To Use This Catalog

1. This Catalog Presents The Most Commonly Used Specified Replacement Parts For The Standard 19XR Centrifugal Refrigeration Machine And Is Not Applicable To Any Special Order Machines. (Contact Carrier With Machine Serial Number For Any Special Order Machine Parts.)
2. Occasionally, Due To Limitations Of Illustrations Used, A Part May Not Be Illustrated. These Parts Are Identified by "N" In The Column Next To The Item Number.
3. The Following Parts Are Not Listed In This Catalog:
   A. Impellers, Shrouds, Diffusers
   B. Compressor Motor (Rotor & Stator)
   C. Evaporator Tube Part Number
   D. Condenser Tube Part Number

   If Any Of These Parts Are Required, Contact Your RCD Customer Service Representative With The Model Number And Serial Number Of Your Machine.
4. Positive Identification Of Your Machine To Properly Select Parts May Be Done By Referring To Machine Name Plate, See Significance Chart On Page #2 (Graphic 19061002)

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Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

Model Number Significance Chart

1 9 X R - 5 2 5 1 3 7 3 C Q H 6 3 -

Series

Model

VFD Option
(-) = Non VFD
(V) = Variable Frequency Drive

Cooler Code
1st. Digit = Frame Size

Condenser Code
1st. Digit = Frame Size

Frame #3 Compressor
Note: Machines Built After Serial Number 5101QXXXXX Have Roller Element Bearings (REB)

Compressor Code
1st. Digit = Frame Size
2nd. Digit =
Number = Compr. W/out SRD
Letter = Compr. With SRD
(SRD = Split Ring Diffuser)

Motor Voltage Code

50 = 230-3-50	62 = 380-3-60
51 = 346-3-50	63 = 416-3-60
52 = 400-3-50	64 = 460-3-60
53 = 3000-3-50	65 = 575-3-60
54 = 3300-3-50	66 = 2400-3-60
55 = 6300-3-50	67 = 3300-3-60
60 = 200-3-60	68 = 4160-3-60
61 = 230-3-60	69 =6900-3-60

Motor Size
1st. Digit = Frame Size

Motor Efficiency
H = High Efficiency
S = Standard Efficiency

Water Box Note:
To Determine Water Box Style Used Refer To Machine Name Plate

Motor Voltage
See Chart For List Of Motor Voltage Codes

Date Of Manufacture - Serial Number
example....0 1 0 2 Q 1 2 3 4 5
week #1 — year 2002 — Charlotte — serial number

Special Order Code
"-" = Standard Machine
"S" = Special Order Machine

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Low-Speed Labyrinth & Gear Selection Charts

Low-Speed Labyrinth & Gear Selection Chart
To Be Used For Frame #2 Compressor Only

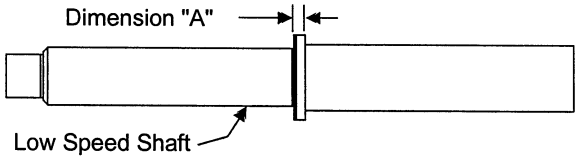
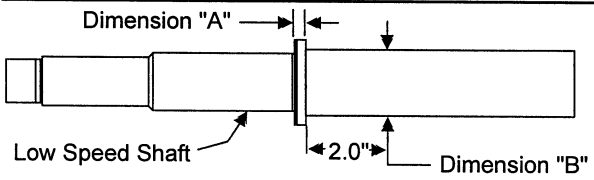


Chart 1A

If Dimension "A" = 0.50" Use Item #206 For Low Speed Labyrinth
#210A For 60Hz Low Speed Gear
#210B For 50Hz Low Speed Gear
#211A For Retaining Ring
If Dimension "A" = 1.00" Use Item #207 For Low Speed Labyrinth
#210C For 60Hz Low Speed Gear (psn 1504Q)
#210E For 60Hz Low Speed Gear (ssn 1504Q)
#210D For 50Hz Low Speed Gear (psn 1504Q)
#210F For 50Hz Low Speed Gear (ssn 1504Q)
#211B For Retaining Ring (psn 1504Q)
#211C For Retaining Ring (ssn 1504Q)

Low-Speed Labyrinth & Gear Selection Chart
To Be Used For Frame #3, #3 w/REB & #4 Compressors Only

Chart 1B

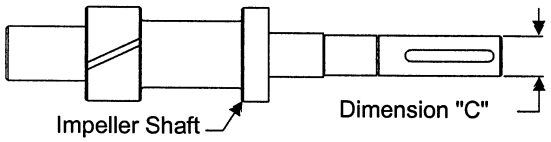


Do Not Use For Frame #4 Compressors w/SRD Or Frame #4 Compressors (2002)

If Dimension "A" = 1.44" Or 1.50" Use Item #206 For Low Speed Labyrinth
If Dimension "A" = .50" Check Dimension "B"
If Dimension "B" = 4.25" Use Item #207 For Low Speed Labyrinth
If Dimension "B" = 4.50" Or 4.62" Use Item #208 For Low Speed Labyrinth

Impeller Shaft Selection Chart
To Be Used For Frame #3 & #4 Compressors Only

Chart 2



Do Not Use For Frame #3 Compressors w/REB , Frame #4 Compressors w/SRD Or Frame #4 Compressors (2002)

- If Dimension "C" = 1.37" You Have The Larger Diameter Shaft Which Is A Direct Replacement
- If Dimension "C" = 1.15" You Have The Smaller Diameter Shaft Which Is Not A Direct Replacement And You Must Call Your Carrier (RCD) Representitive Refer To Service Bulletin C9921 For More Information

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

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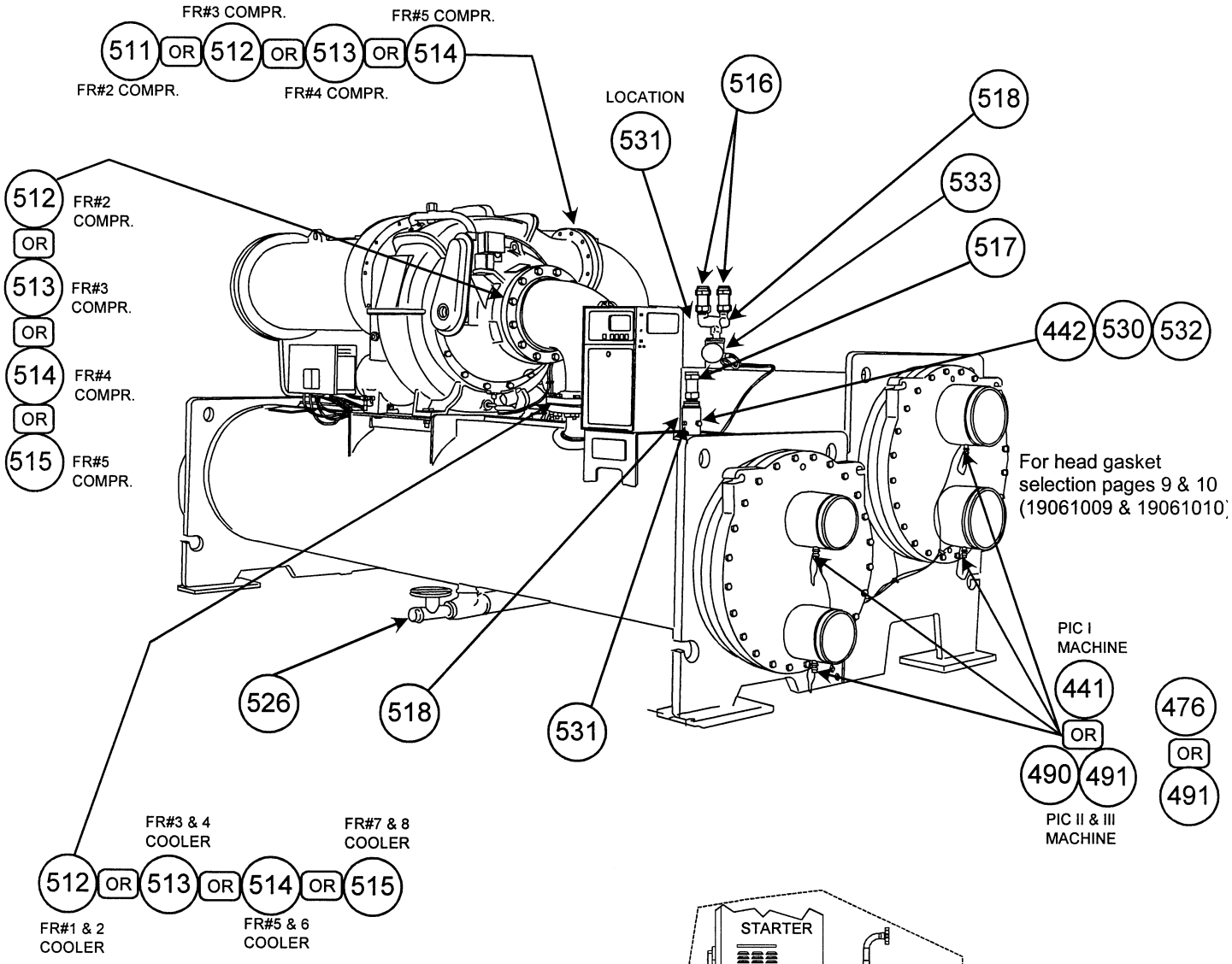

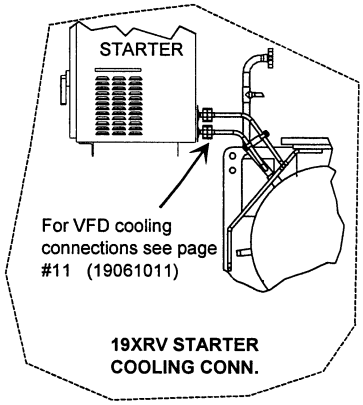

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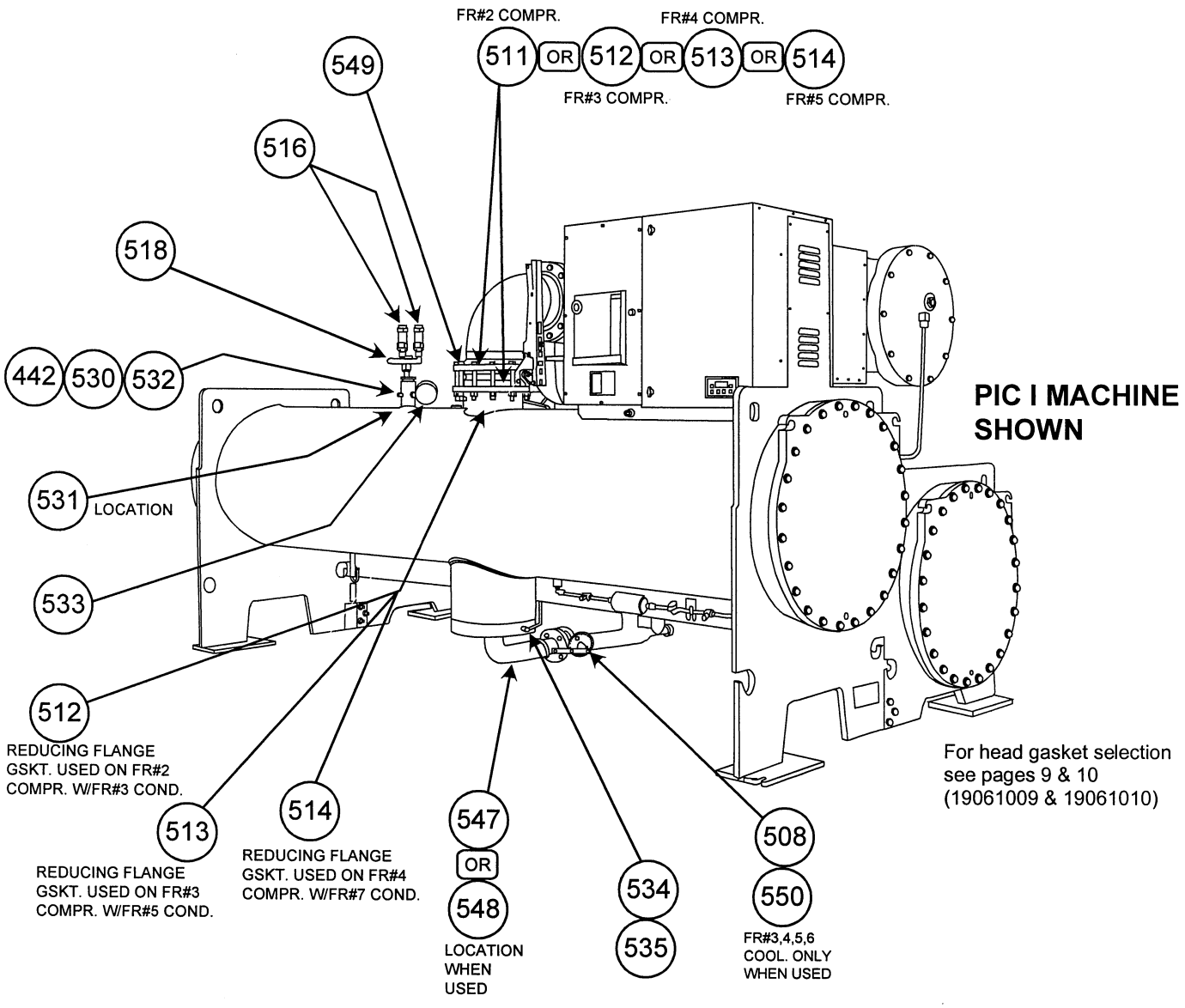
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

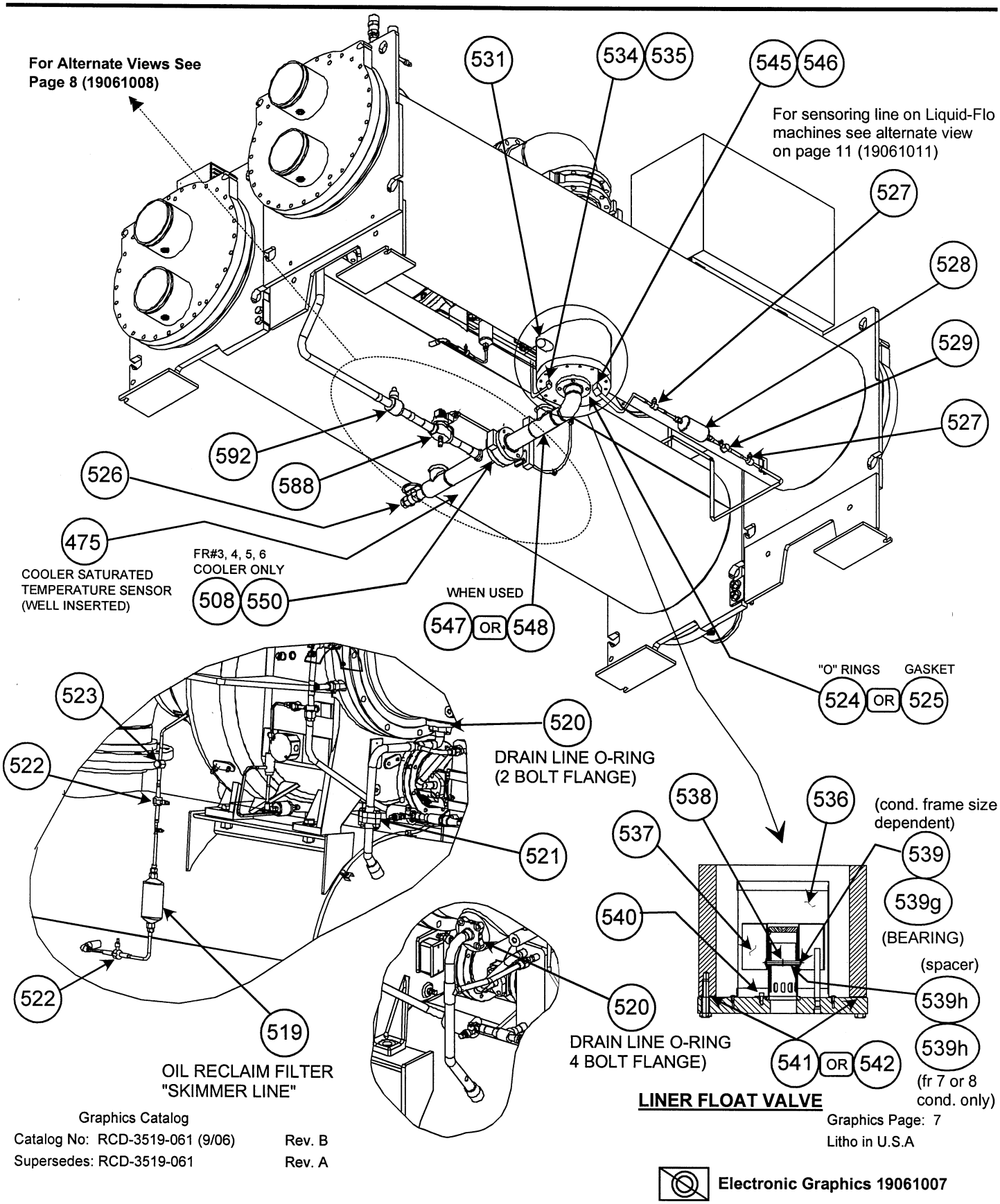
19XR



Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



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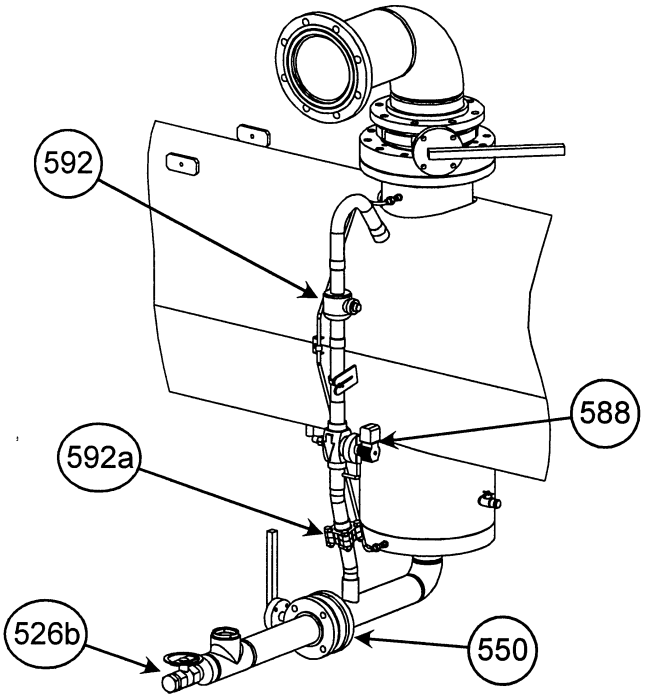
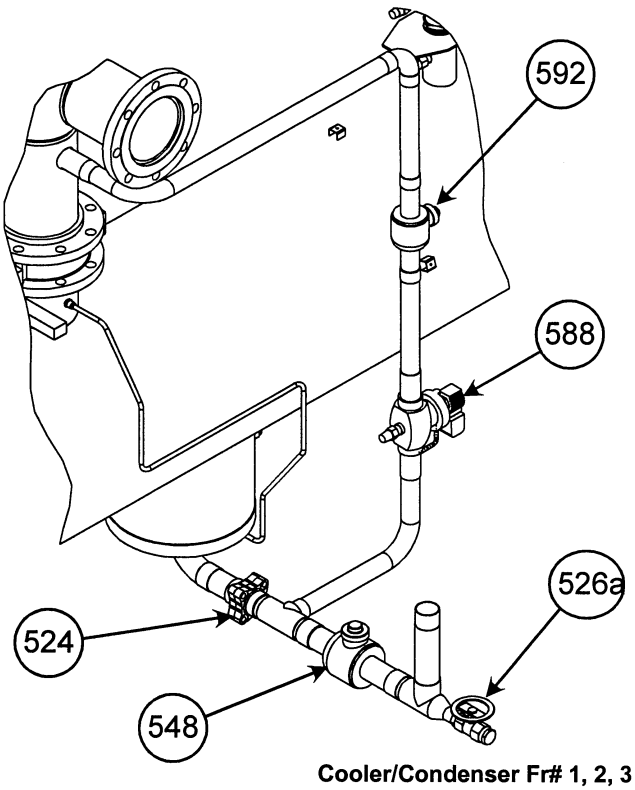
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

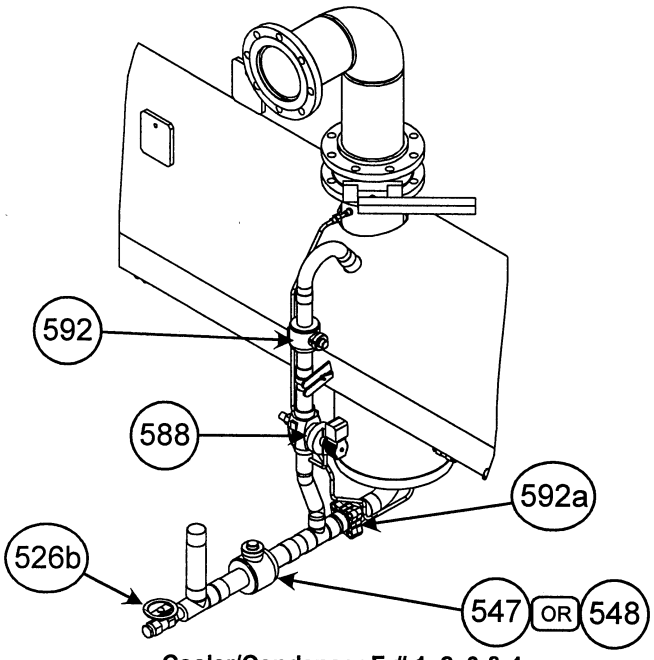
19XR



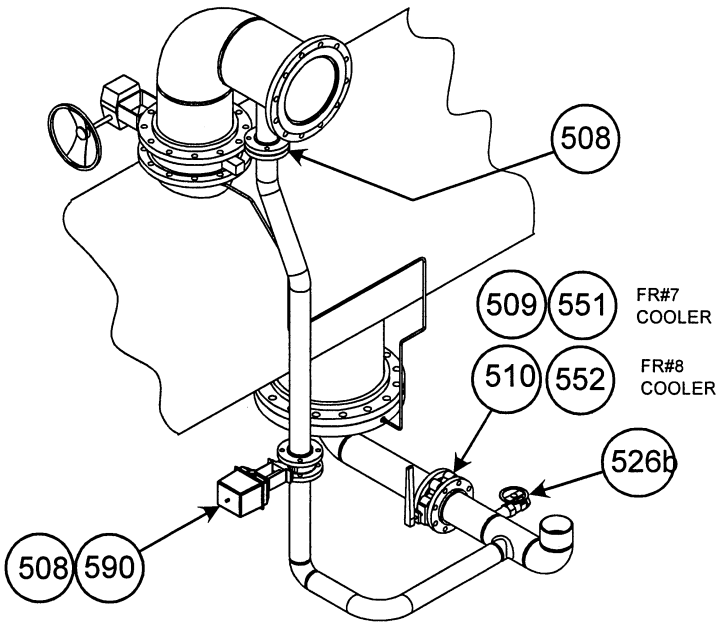
Cooler/Condenser Fr# 5 & 6
w/HGBP & w/Liquid Flo II VFD



Cooler/Condenser Fr# 1, 2, 3 & 4
w/HGBP & w/out VFD or w/Liquid Flo I VFD



Cooler/Condenser Fr# 1, 2, 3 & 4
w/HGBP & w/Liquid Flo II VFD



Cooler/Condenser Fr# 5, 6, 7 & 8
w/HGBP & w/out VFD or w/Liquid Flo I VFD

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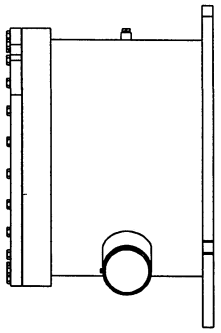
Replacement Components Division

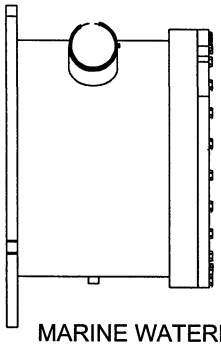
Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

COOLER & CONDENSER VESSEL HEAD & WATERBOX GASKETS

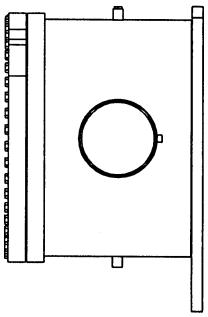
SEE ITEMS
557n THRU 557w
OR
558j THRU 558s

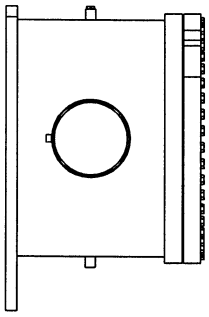




MARINE WATERBOXS
3-PASS

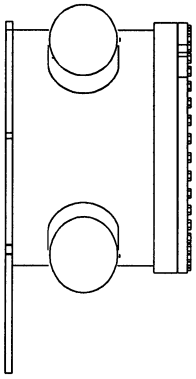
SEE ITEMS
557a THRU 557m
OR
558a THRU 558i



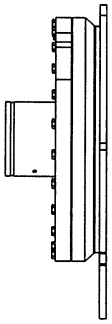


MARINE WATERBOXS
1-PASS

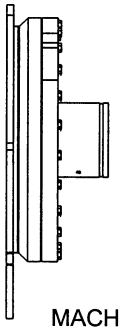
SEE ITEMS
557n THRU 557w
OR
558j THRU 558s



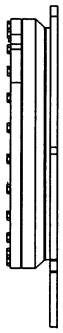
MACHINED HEAD & MARINE WATERBOX
2-PASS

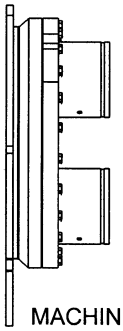


SEE ITEMS
555a THRU 555p
OR
556a THRU 556p



MACHINED HEADS (NIH)
1-PASS





MACHINED HEADS (NIH)
2-PASS

SEE ITEMS
555a THRU 555p
OR
556a THRU 556p

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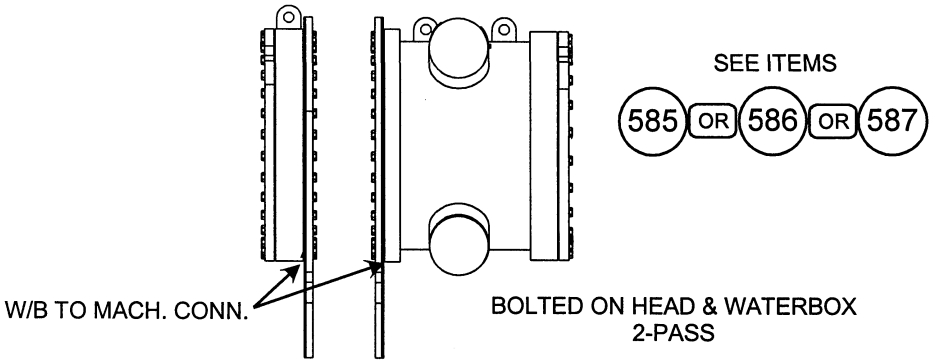
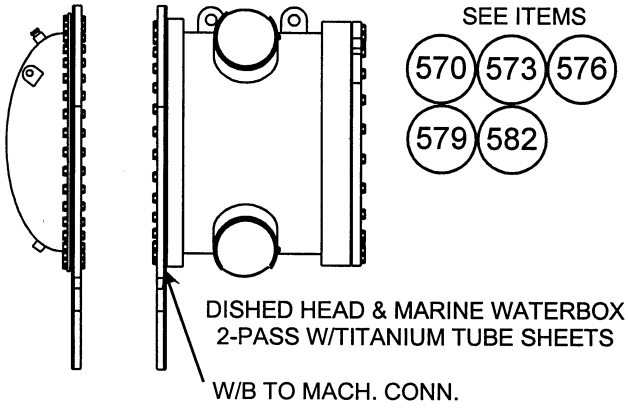
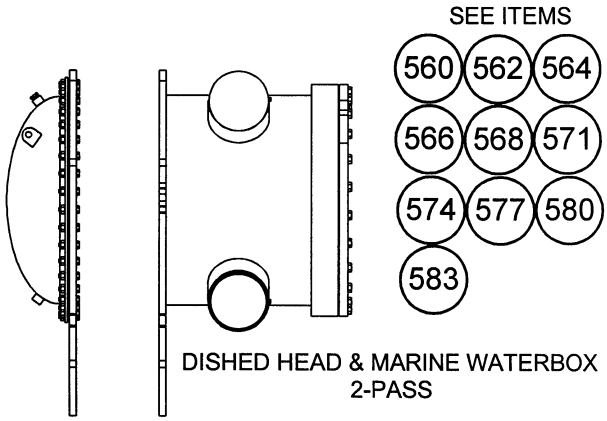
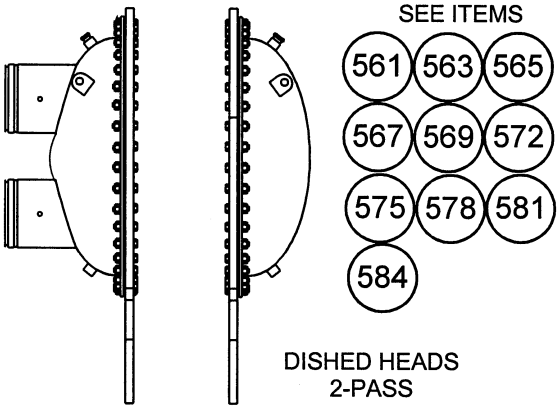
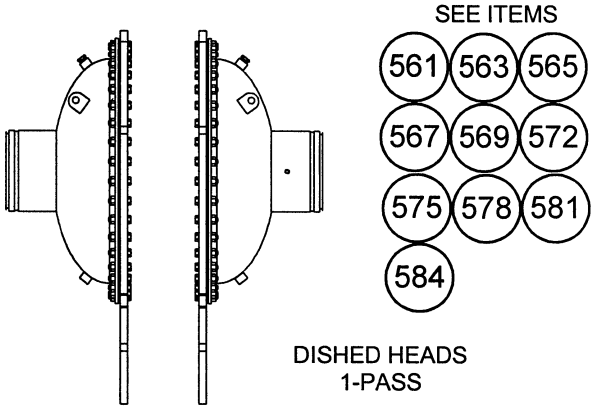
COOLER & CONDENSER VESSEL HEAD & WATERBOX GASKETS





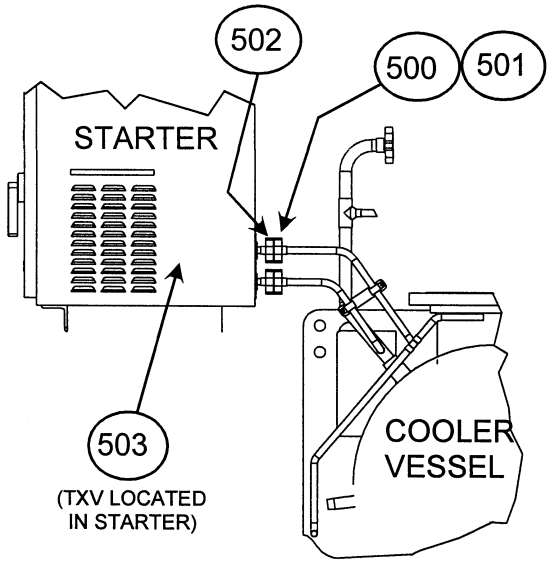




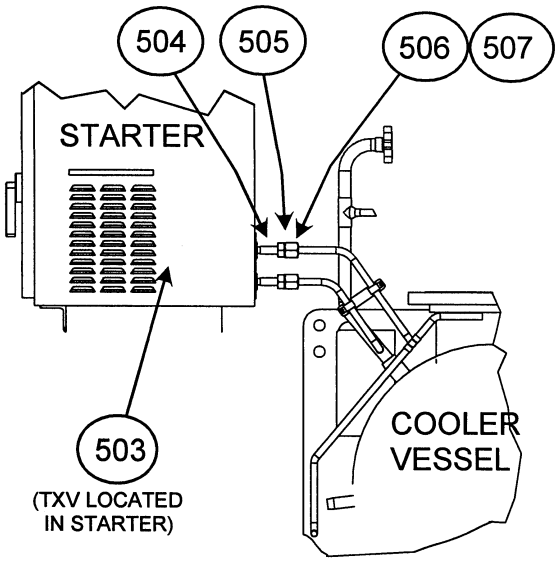


Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



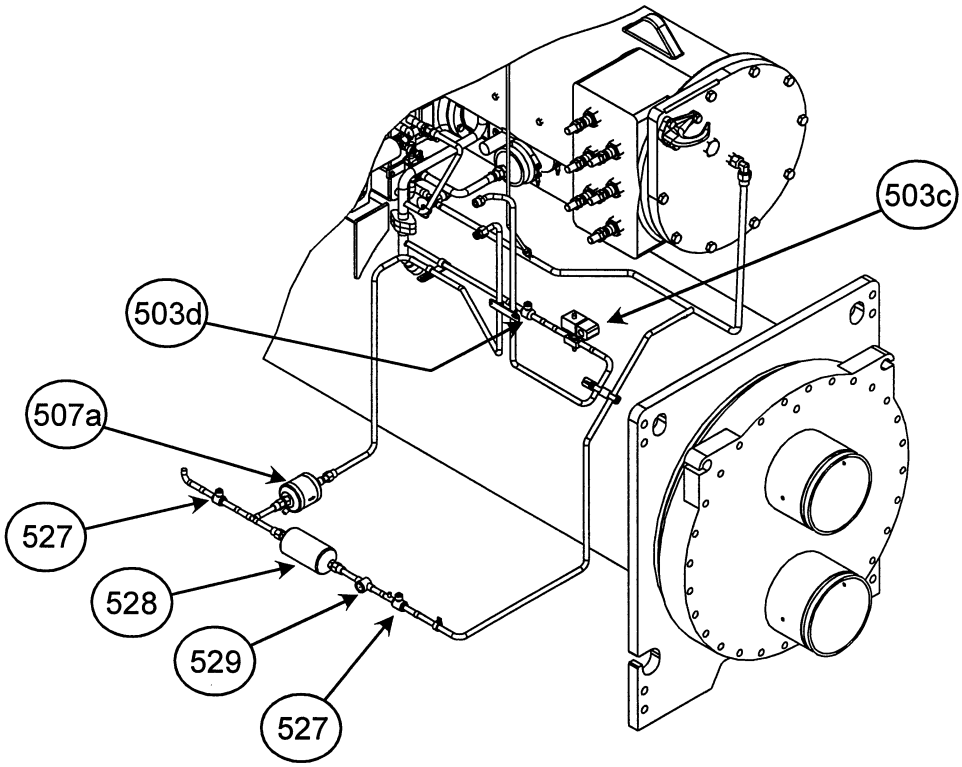
2-BOLT FLANGE CONFIGURATION



THREADED CONNECTOR CONFIGURATION

19XRV VFD COOLING CONN. (Liquid FLO 1 & FLO 2)

Note: To retrofit cooling line connections to latest design refer to Service Bulletin C0317



Liquid Flo II

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

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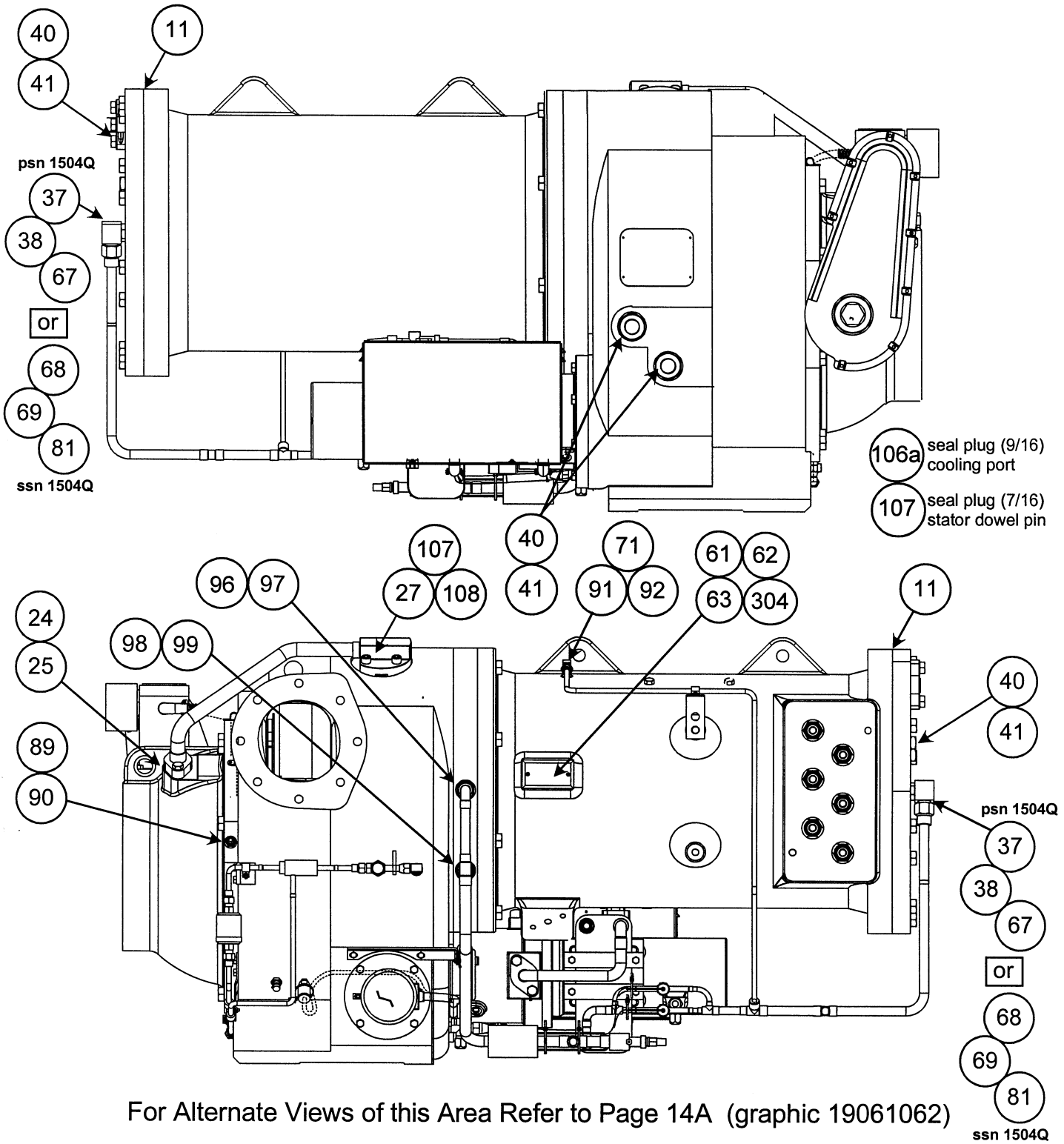
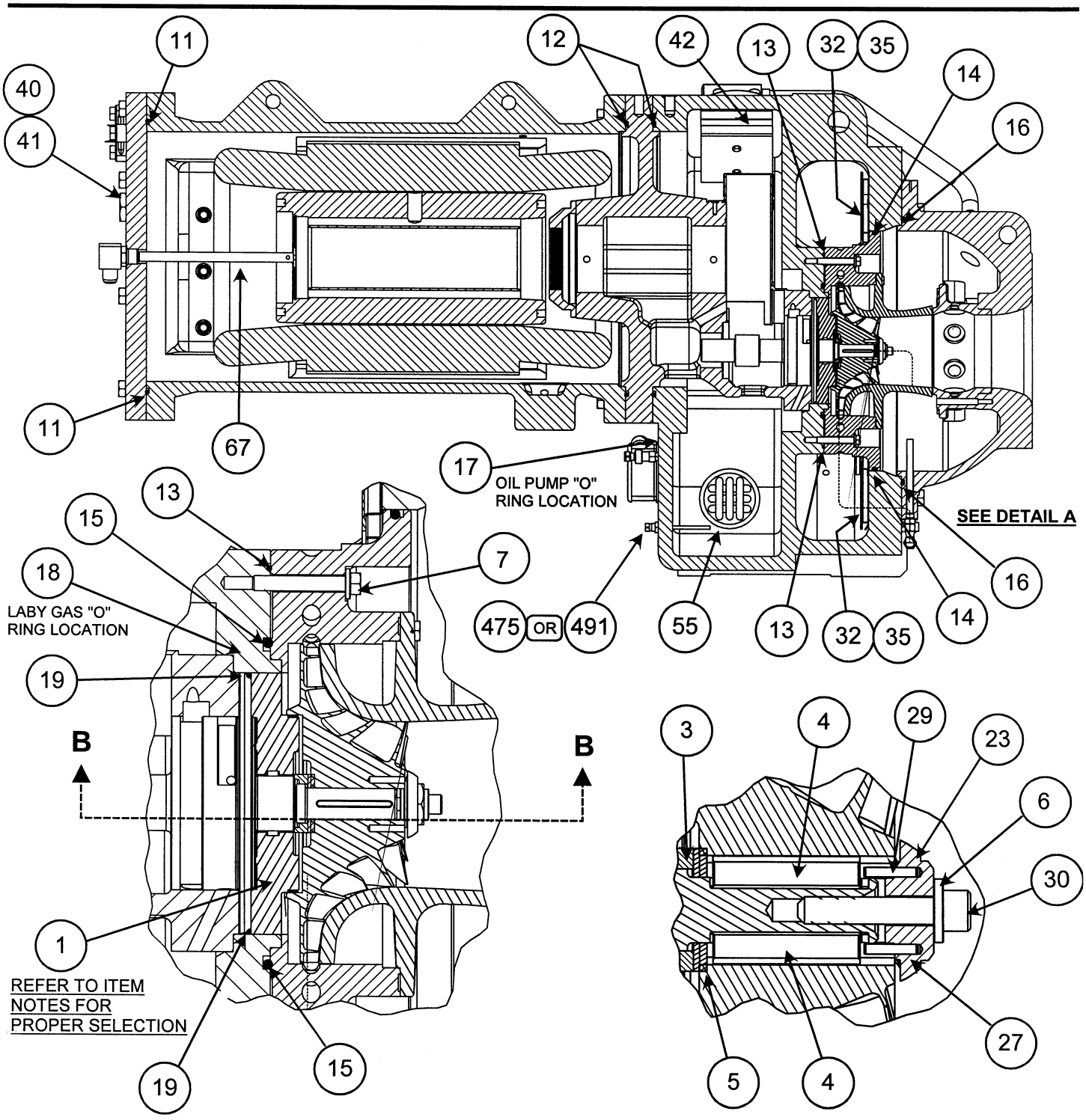


For Alternate Views of this Area Refer to Page 14A (graphic 19061062)

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

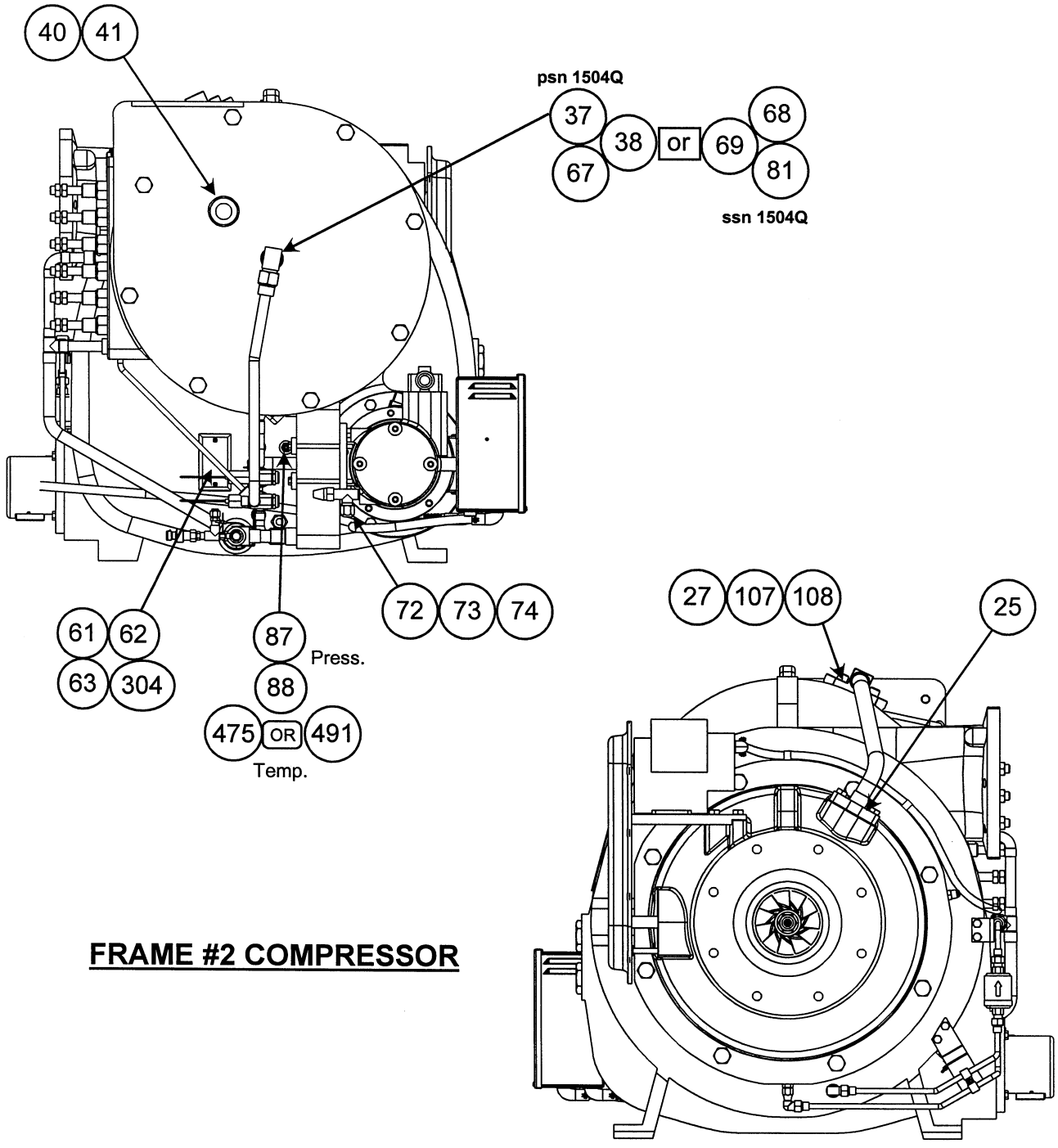
19XR



DETAIL A

FRAME #2 COMPRESSOR

SECTION B-B



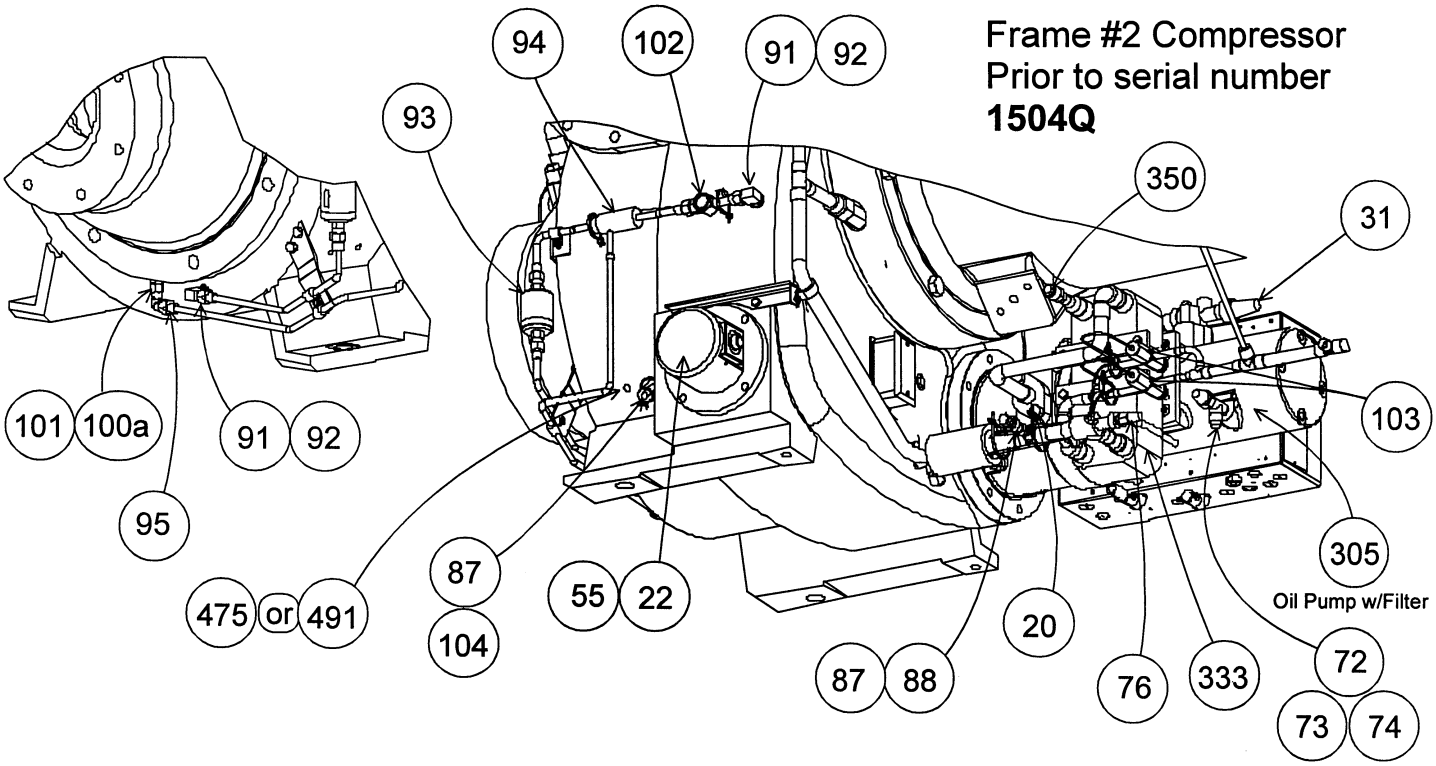
FRAME #2 COMPRESSOR

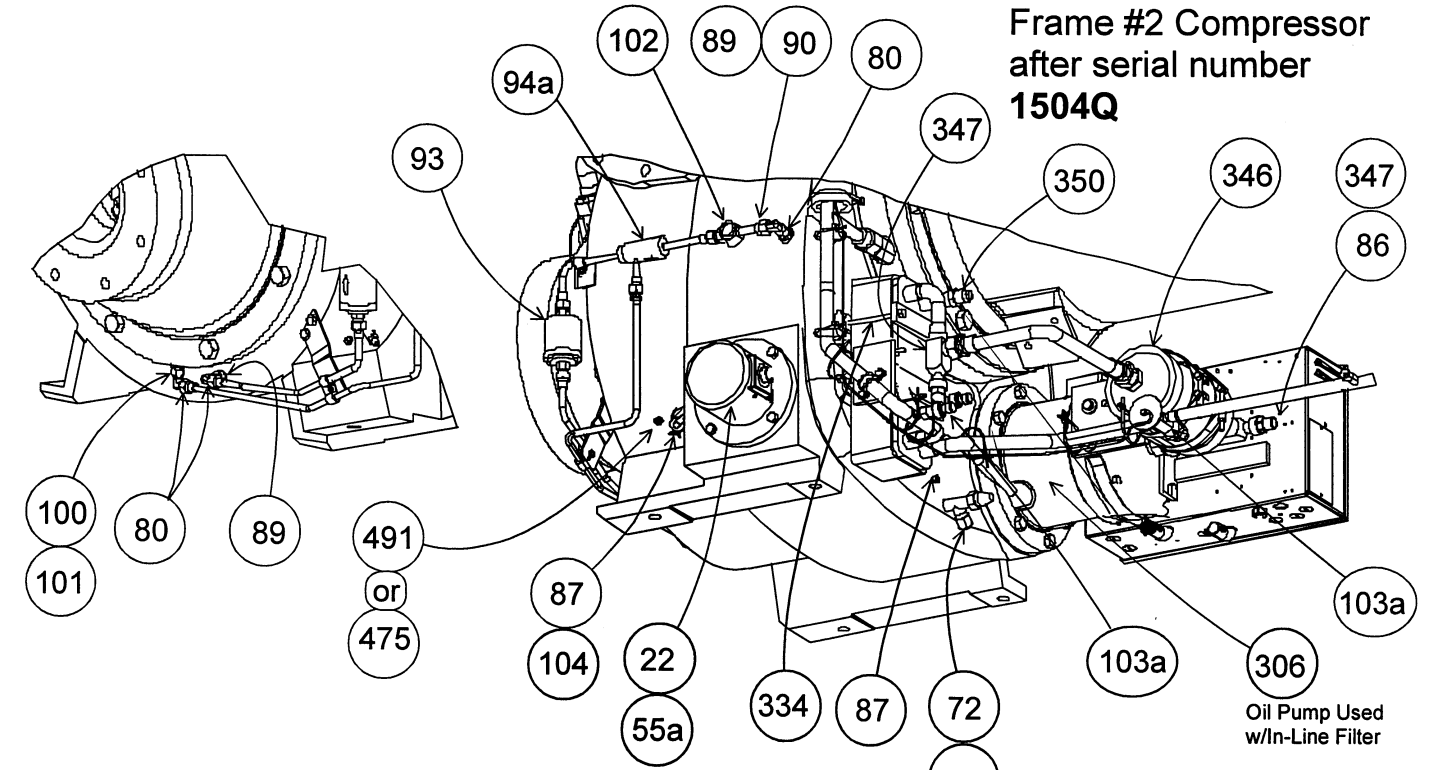
For Alternate Views of this Area Refer to
Page 14A (graphic 19061063)

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR





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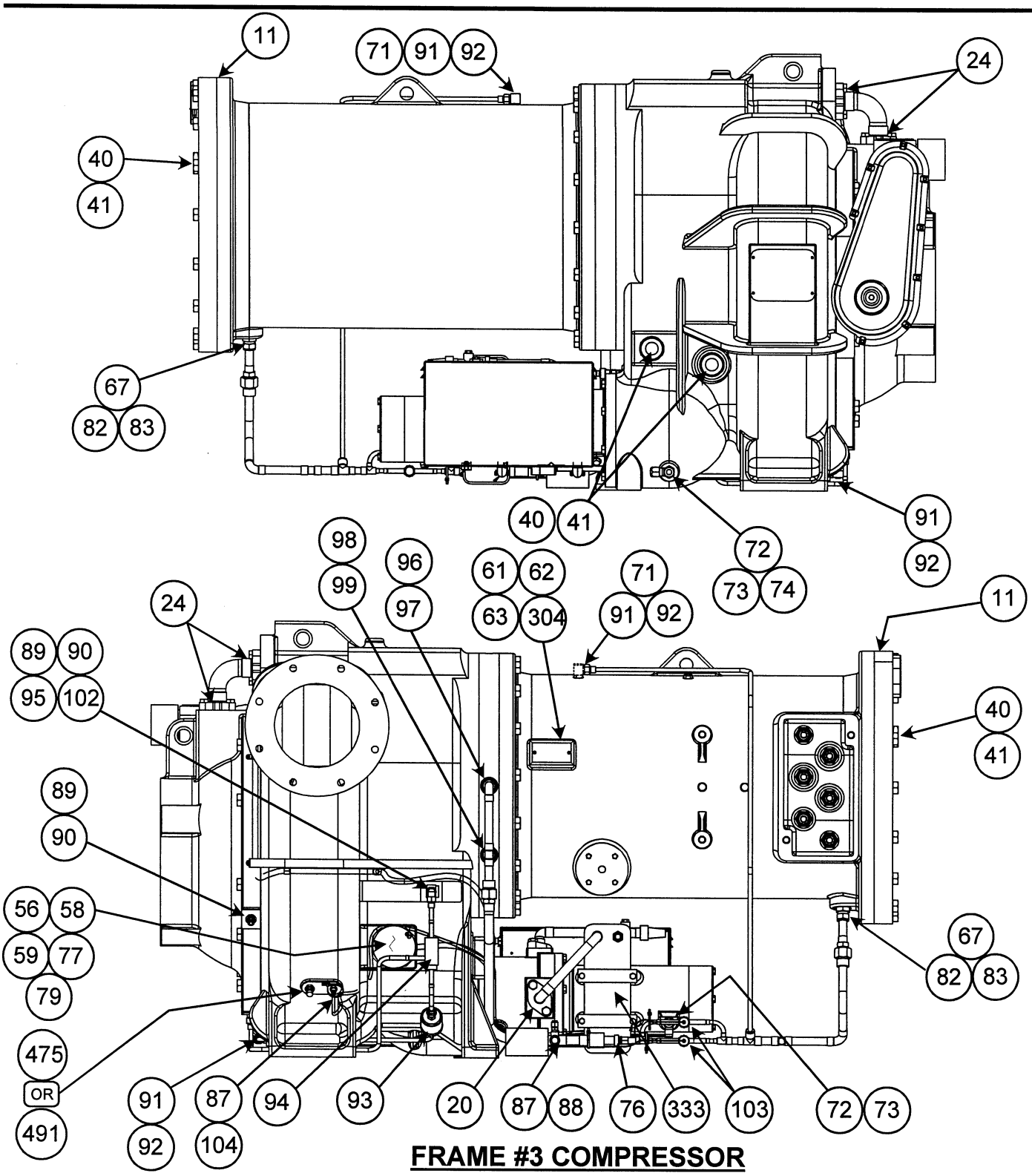
19XR



FRAME #3 COMPRESSOR WITHOUT ROLLER ELEMENT BEARINGS

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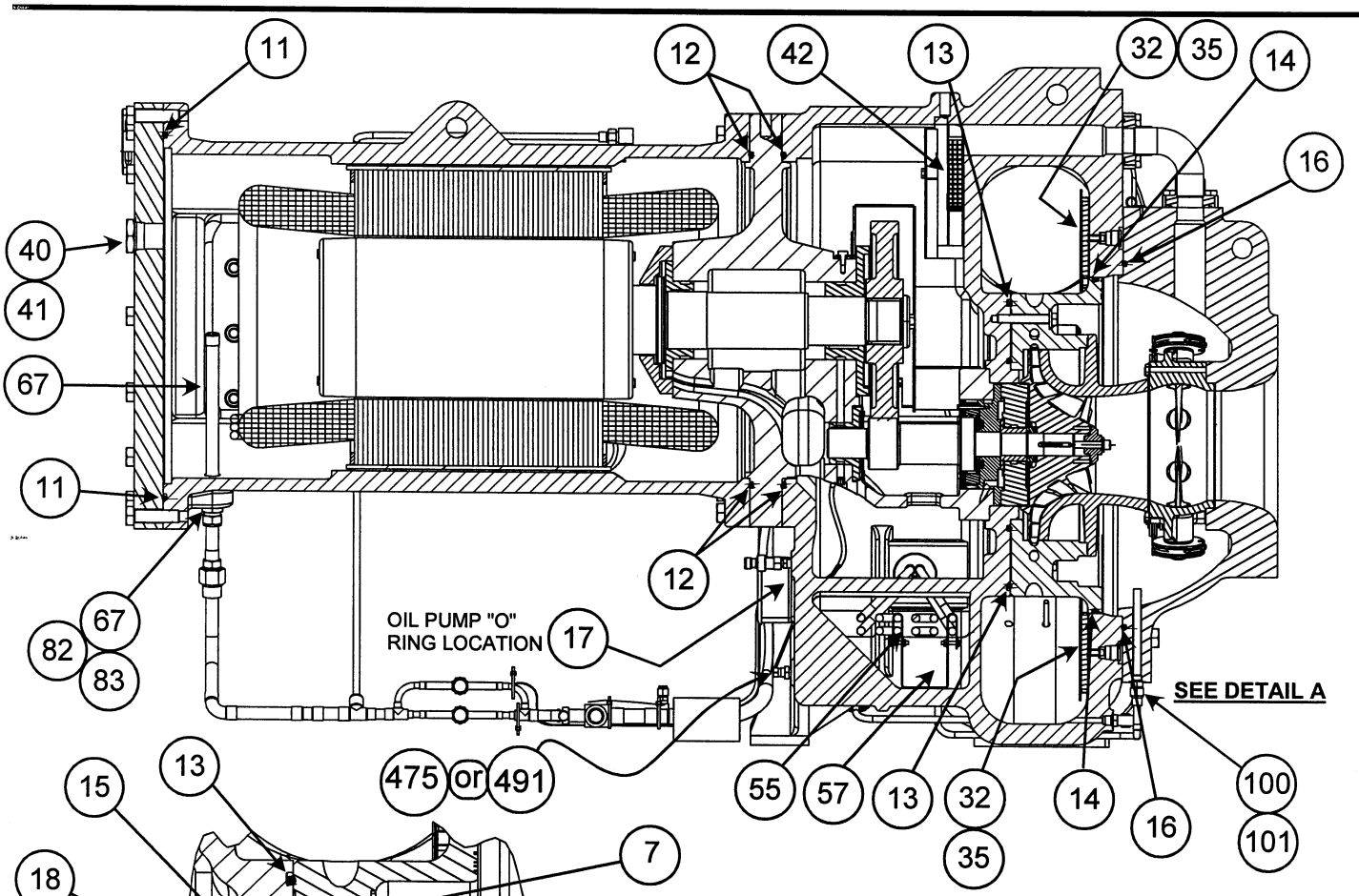
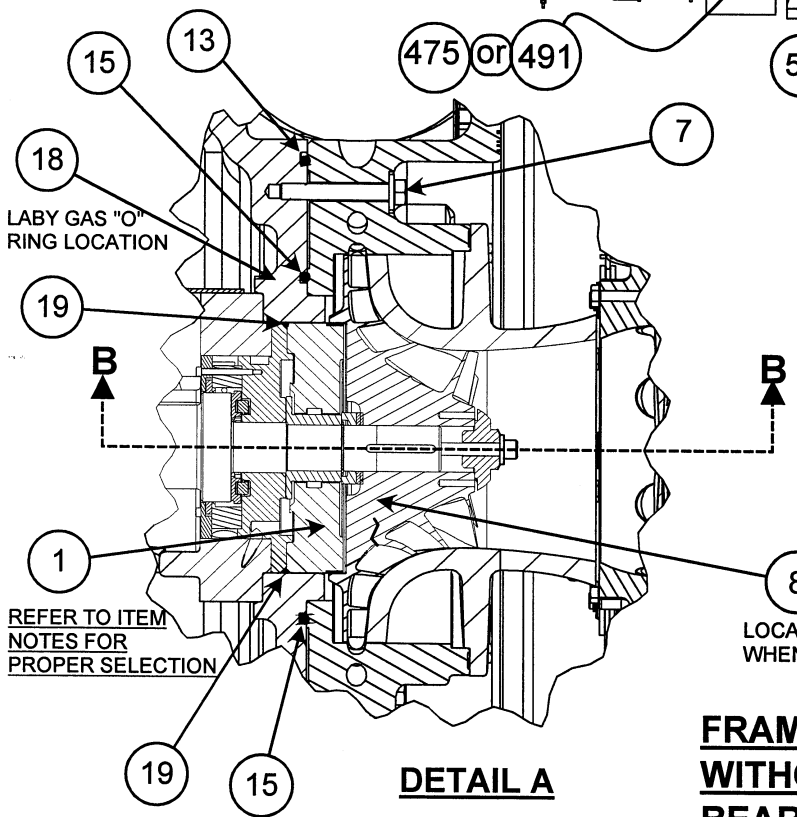
Electronic Graphics 19061015

Replacement Components Division

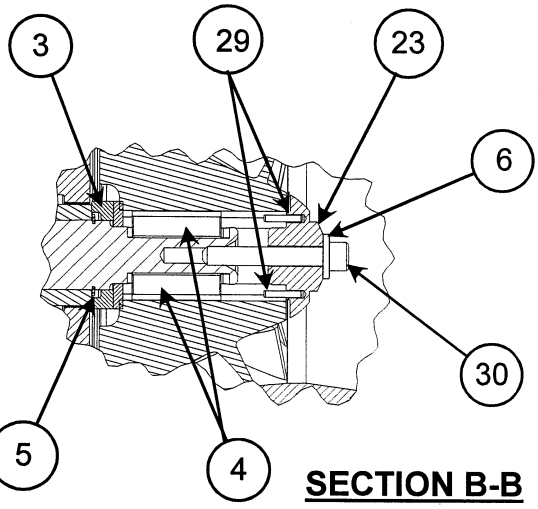
Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR





DETAIL A



SECTION B-B

FRAME #3 COMPRESSOR WITHOUT ROLLER ELEMENT BEARINGS

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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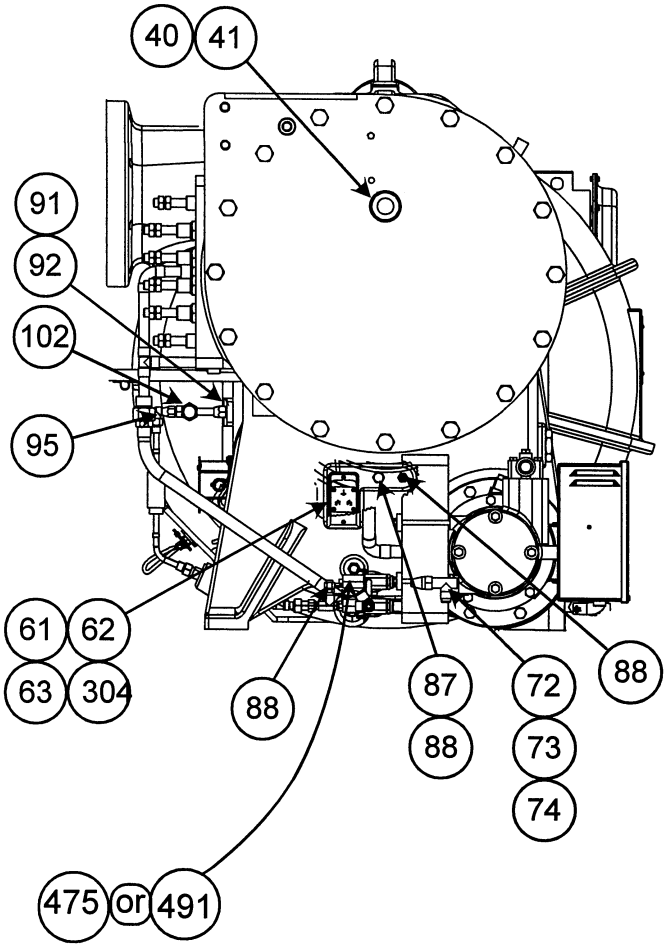
Litho in U.S.A

Electronic Graphics 19061016

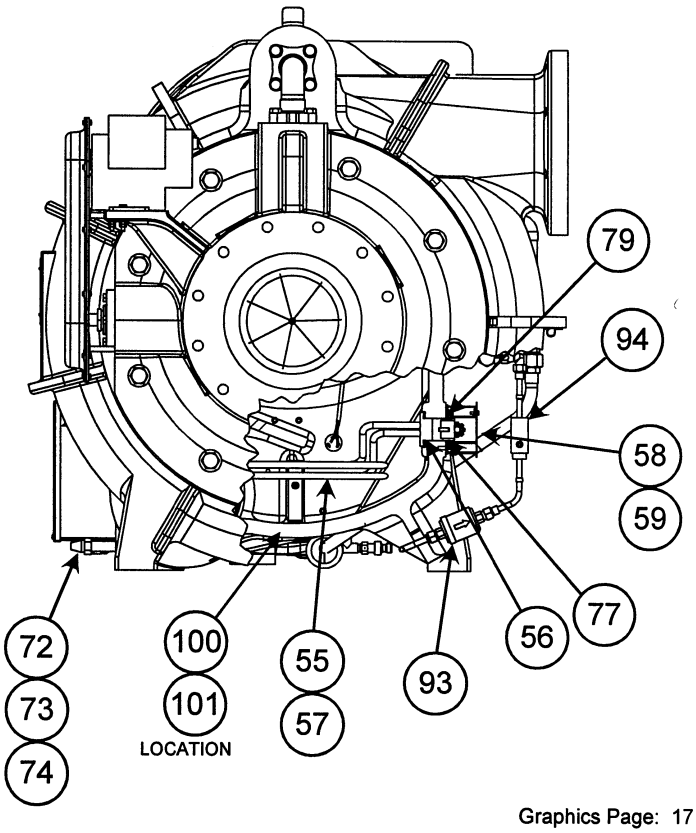
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



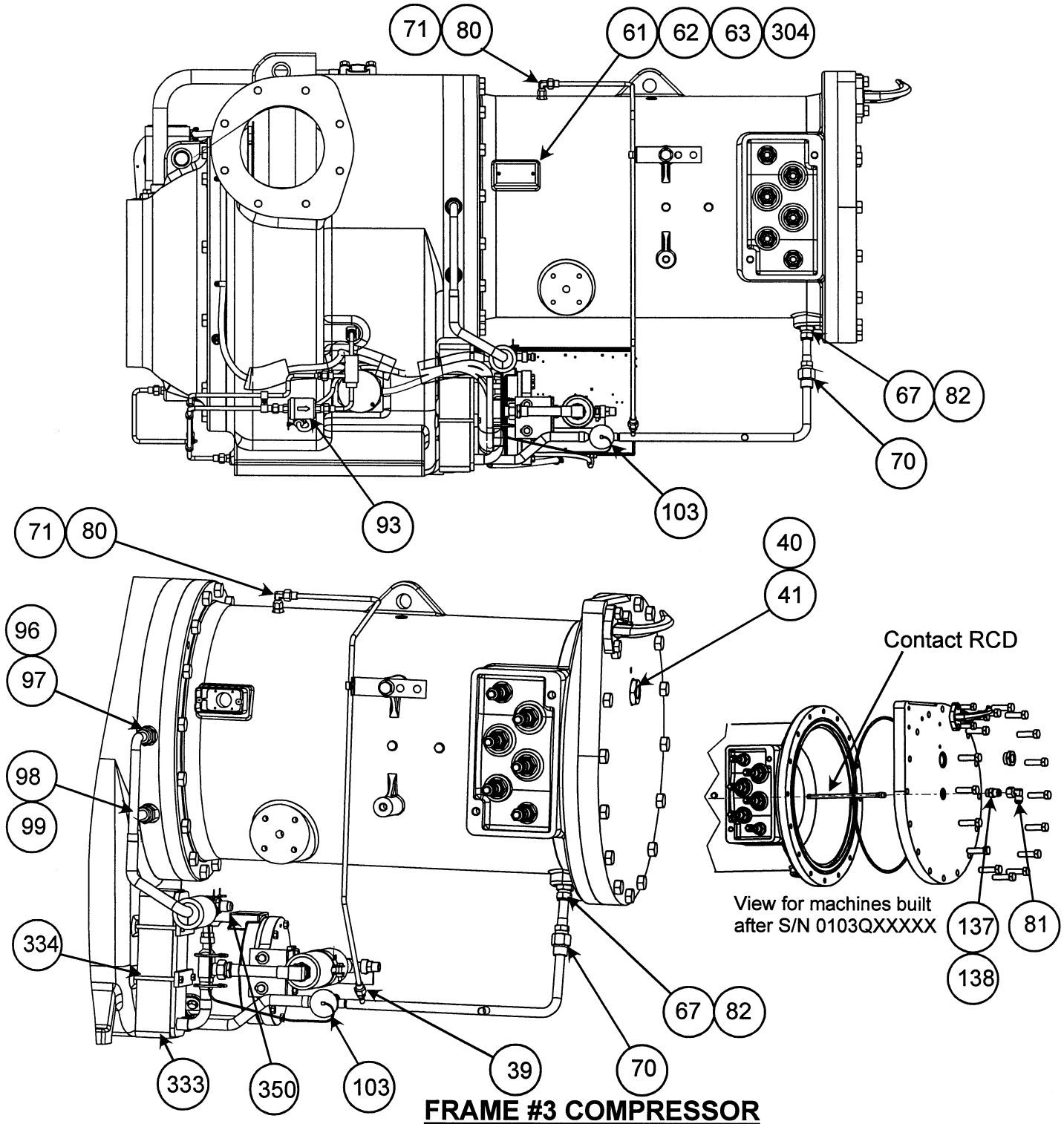
FRAME #3 COMPRESSOR WITHOUT ROLLER ELEMENT BEARINGS



Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

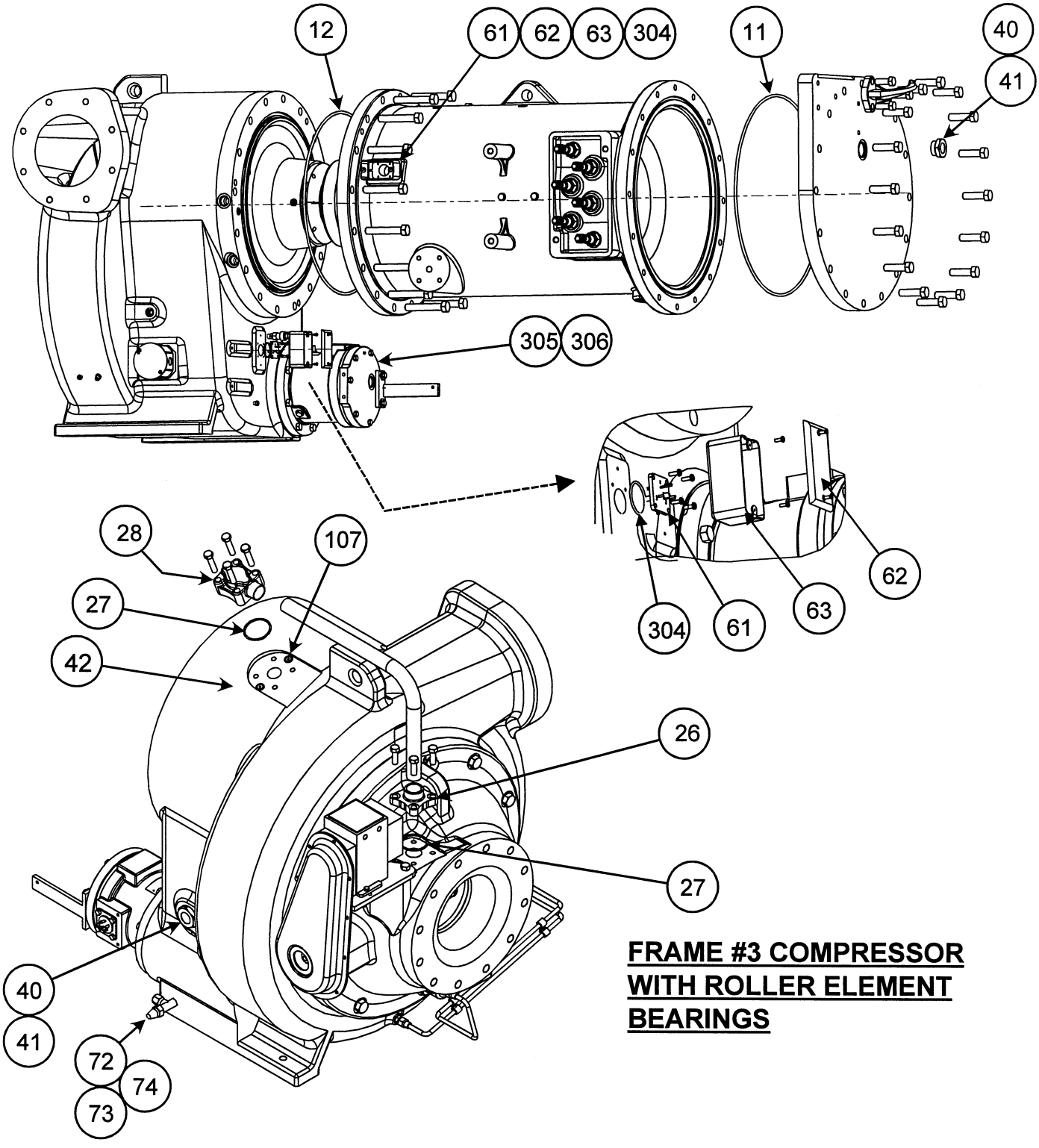
Graphics Page: 18
Litho in U.S.A

Electronic Graphics 19061018

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

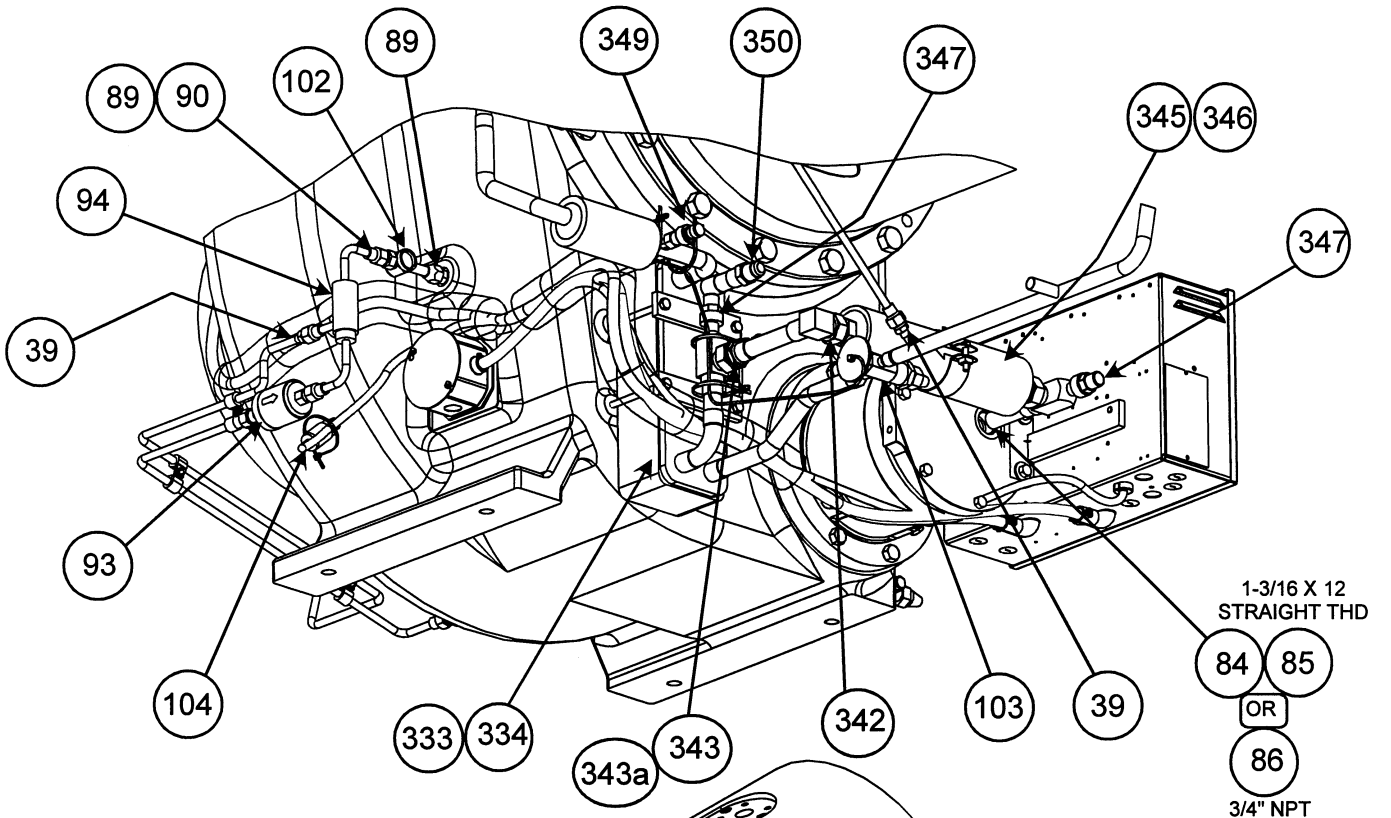
Litho in U.S.A

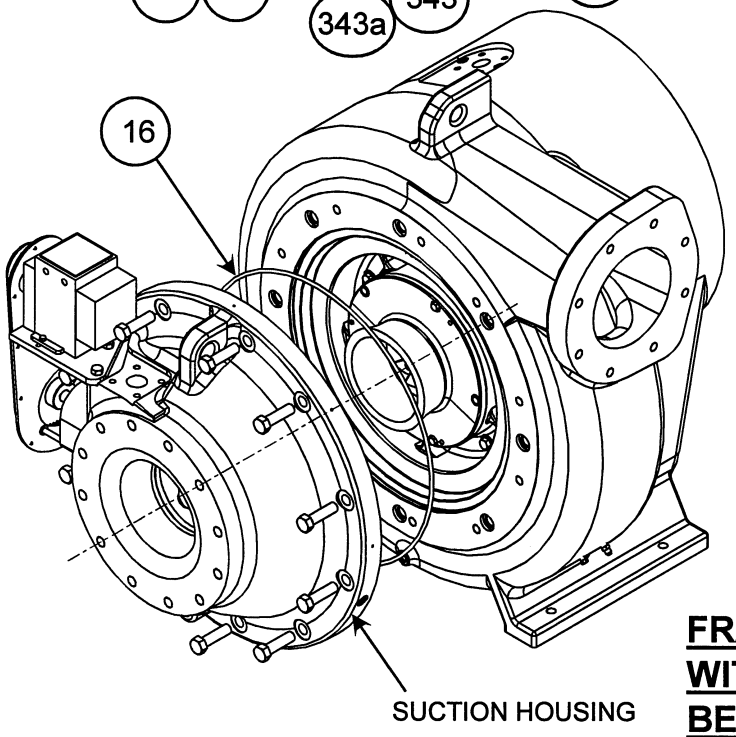
Electronic Graphics 19061019

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



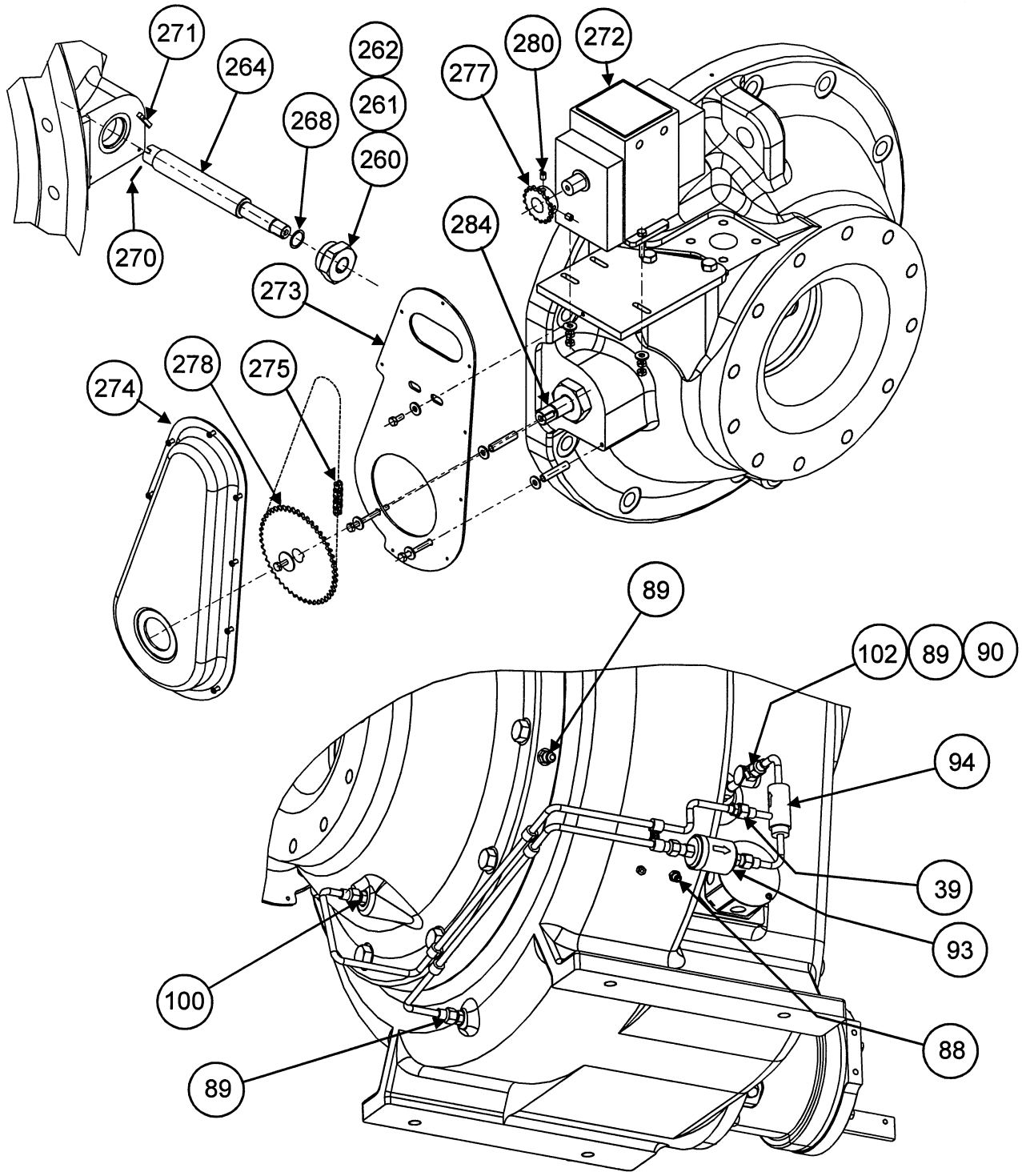


FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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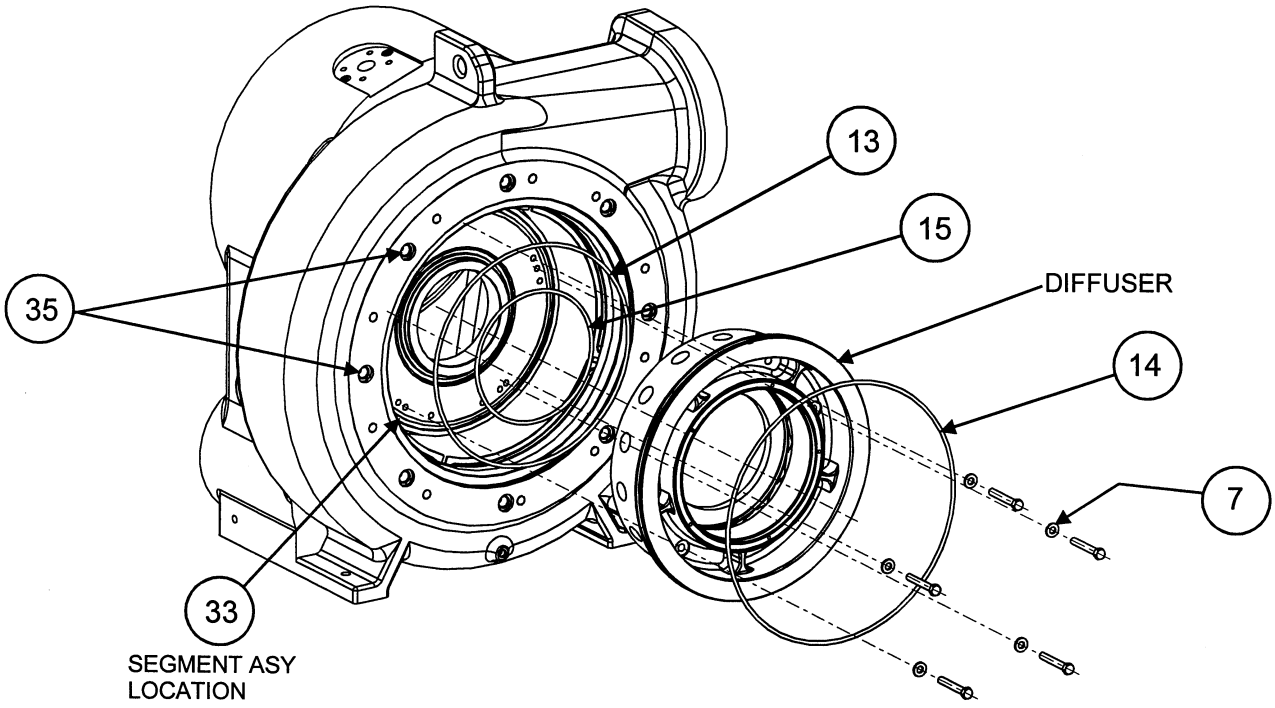
Litho in U.S.A

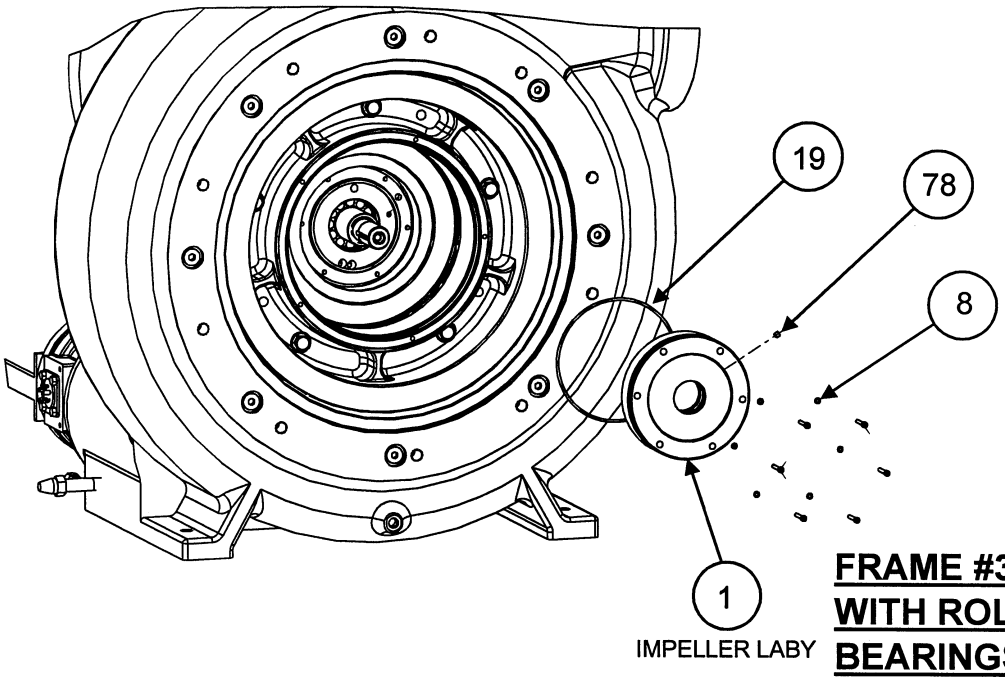
Electronic Graphics 19061021

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



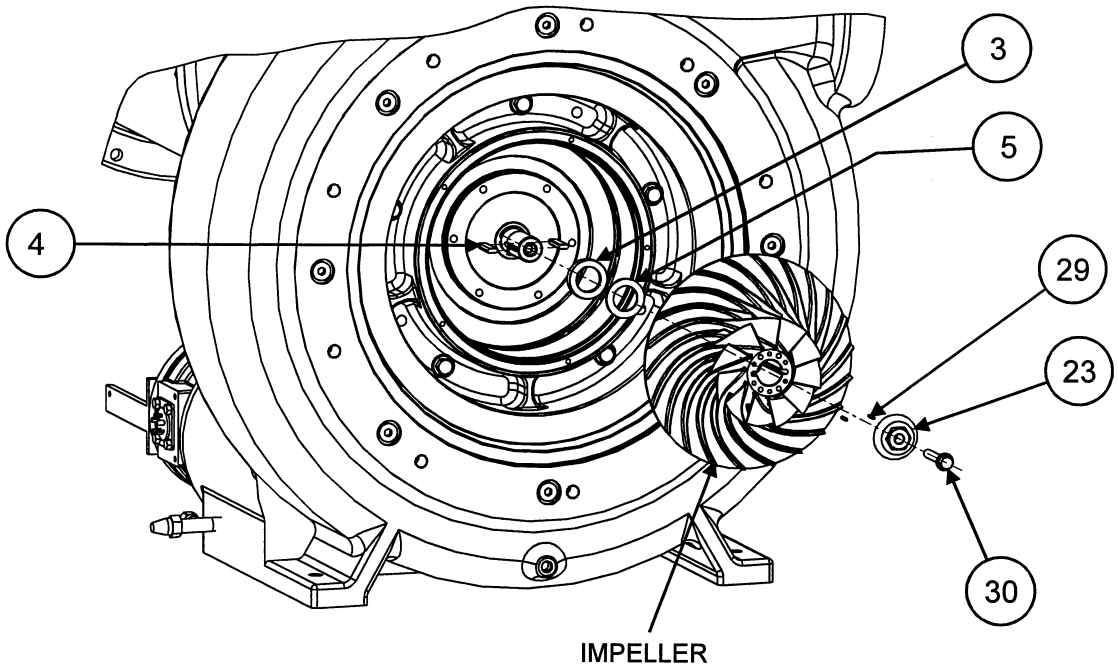


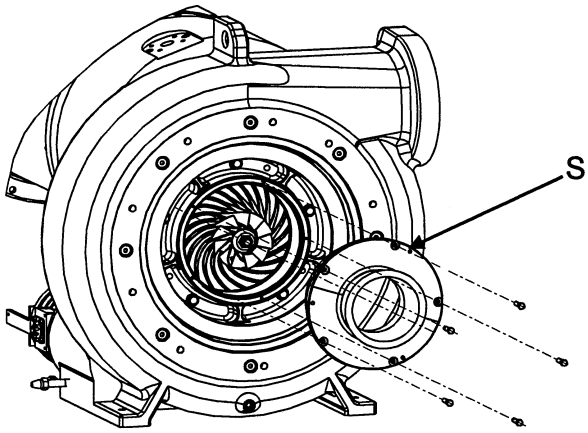
FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

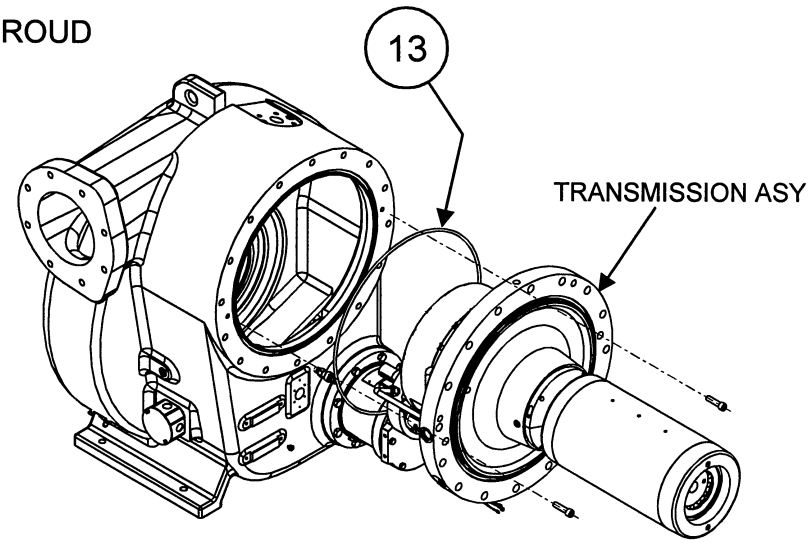
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR







FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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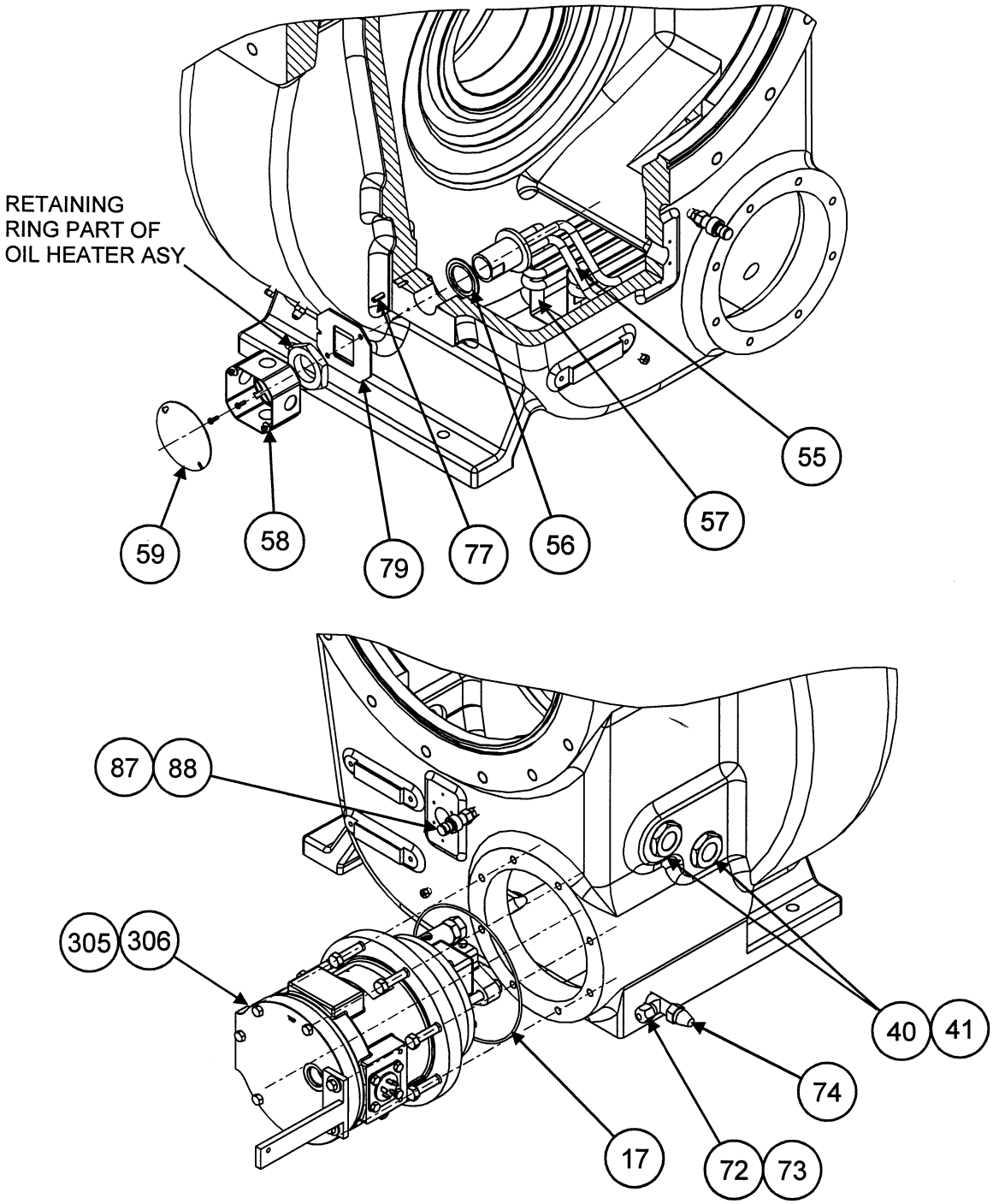
Litho in U.S.A

Electronic Graphics 19061023

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



FRAME #3 COMPRESSOR WITH ROLLER ELEMENT BEARINGS

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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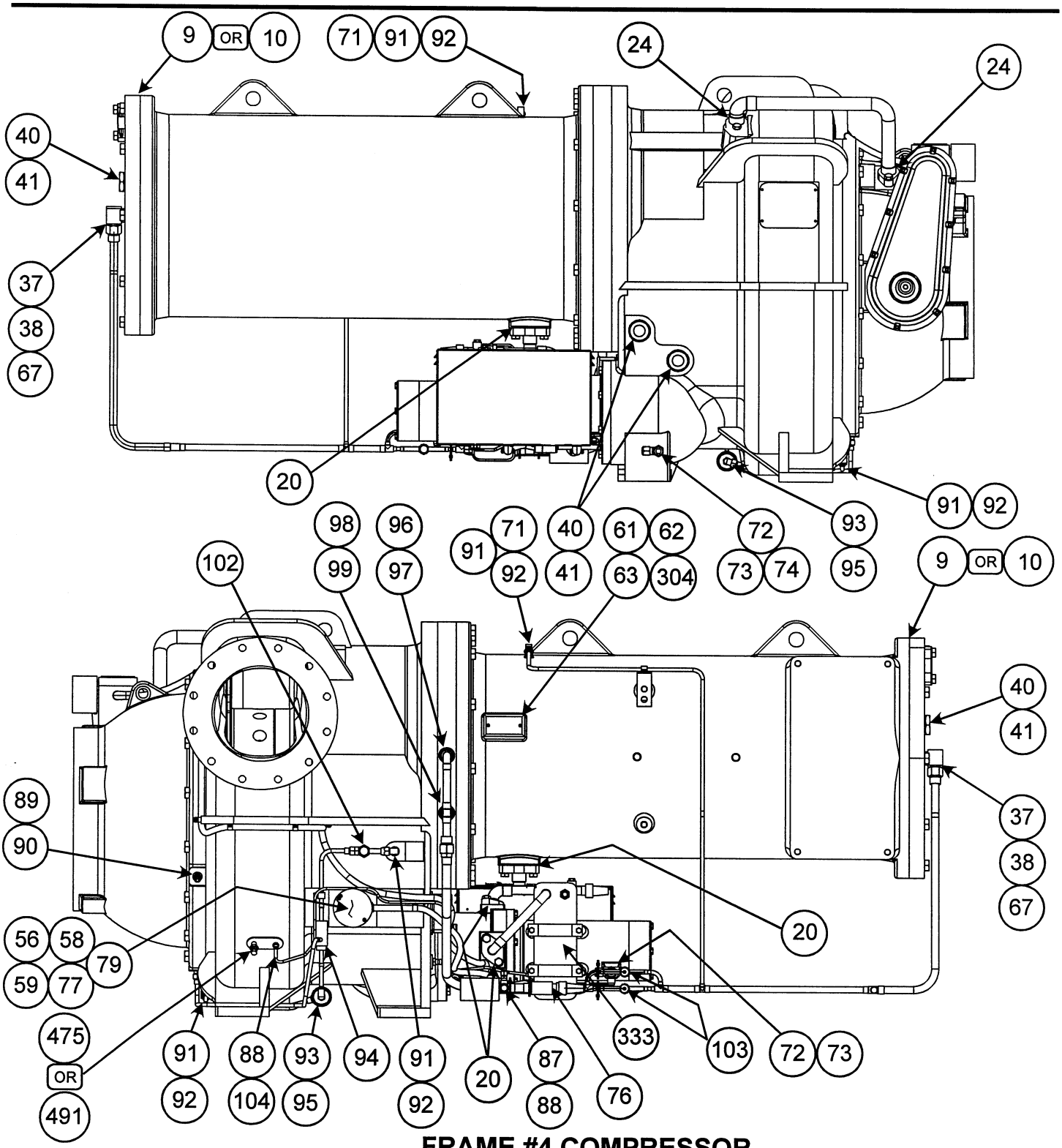
Litho in U.S.A

Electronic Graphics 19061024

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



FRAME #4 COMPRESSOR WITHOUT SPLIT RING DIFFUSER BUILT PRIOR TO JAN. 2002

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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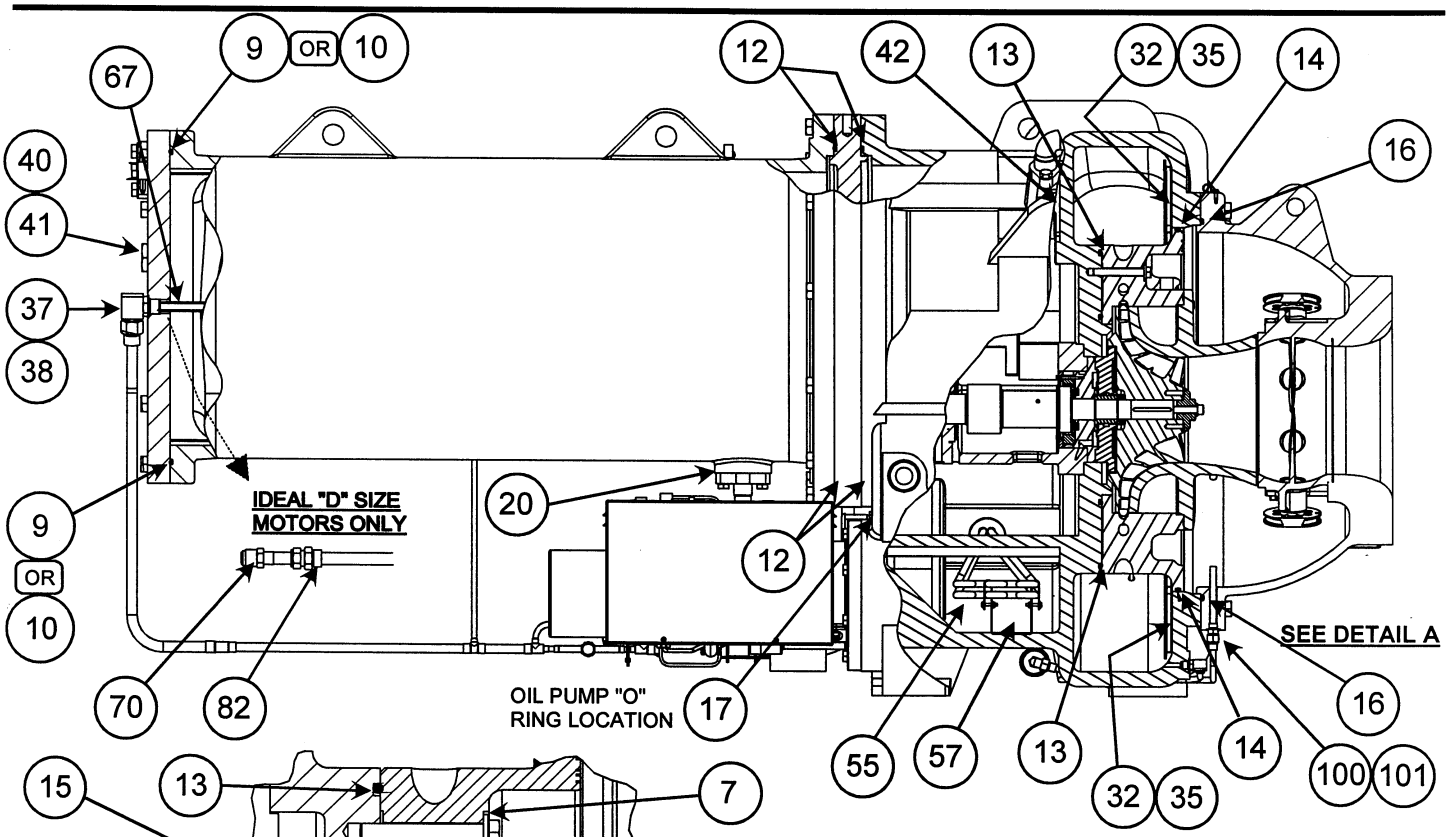
Litho in U.S.A

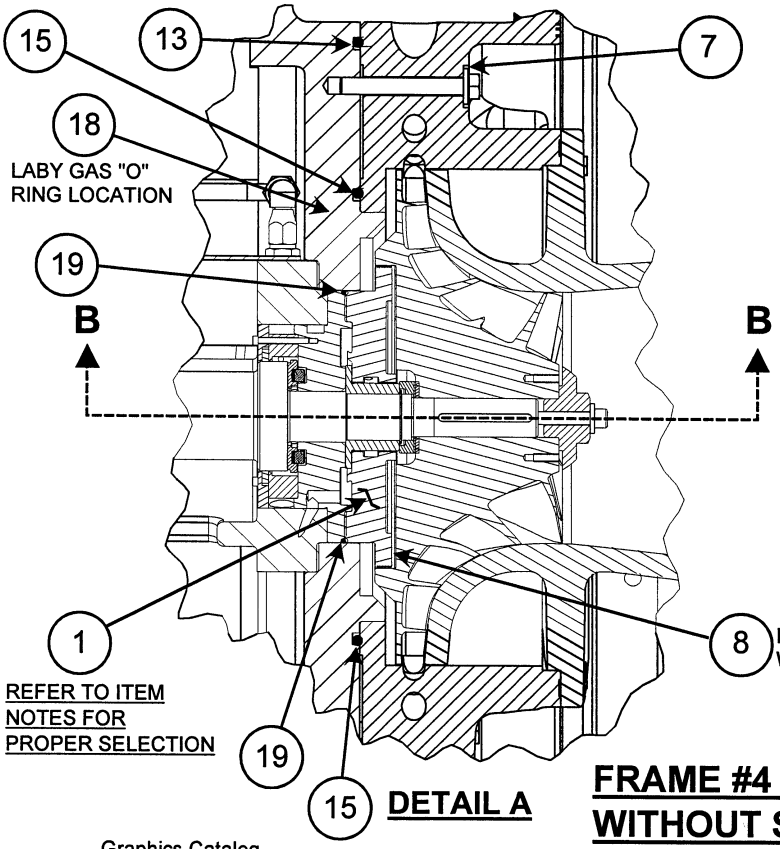
Electronic Graphics 19061025

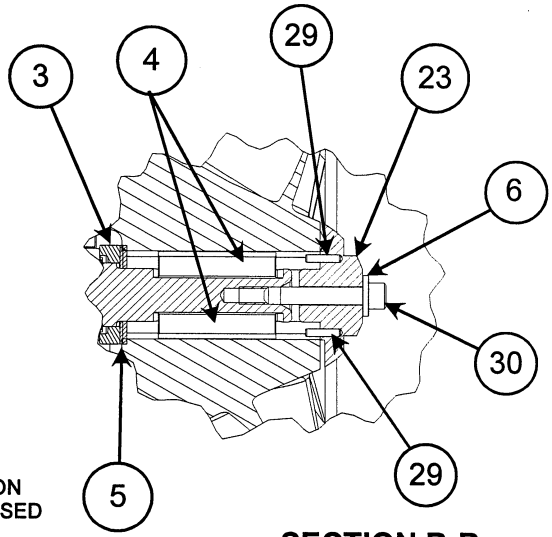
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR







FRAME #4 COMPRESSOR WITHOUT SPLIT RING DIFFUSER BUILT PRIOR TO JAN. 2002

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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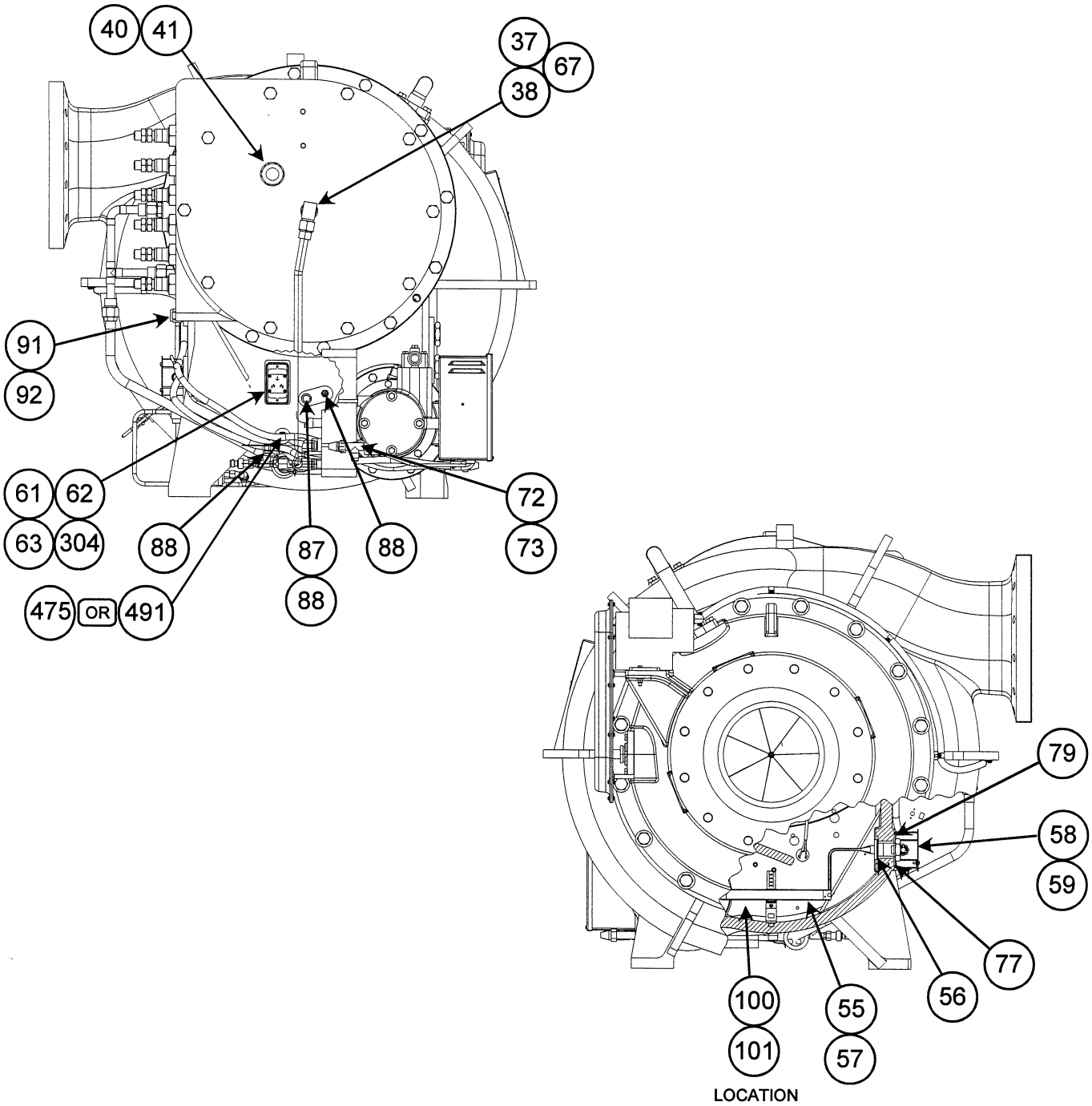
Litho in U.S.A

Electronic Graphics 19061026

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

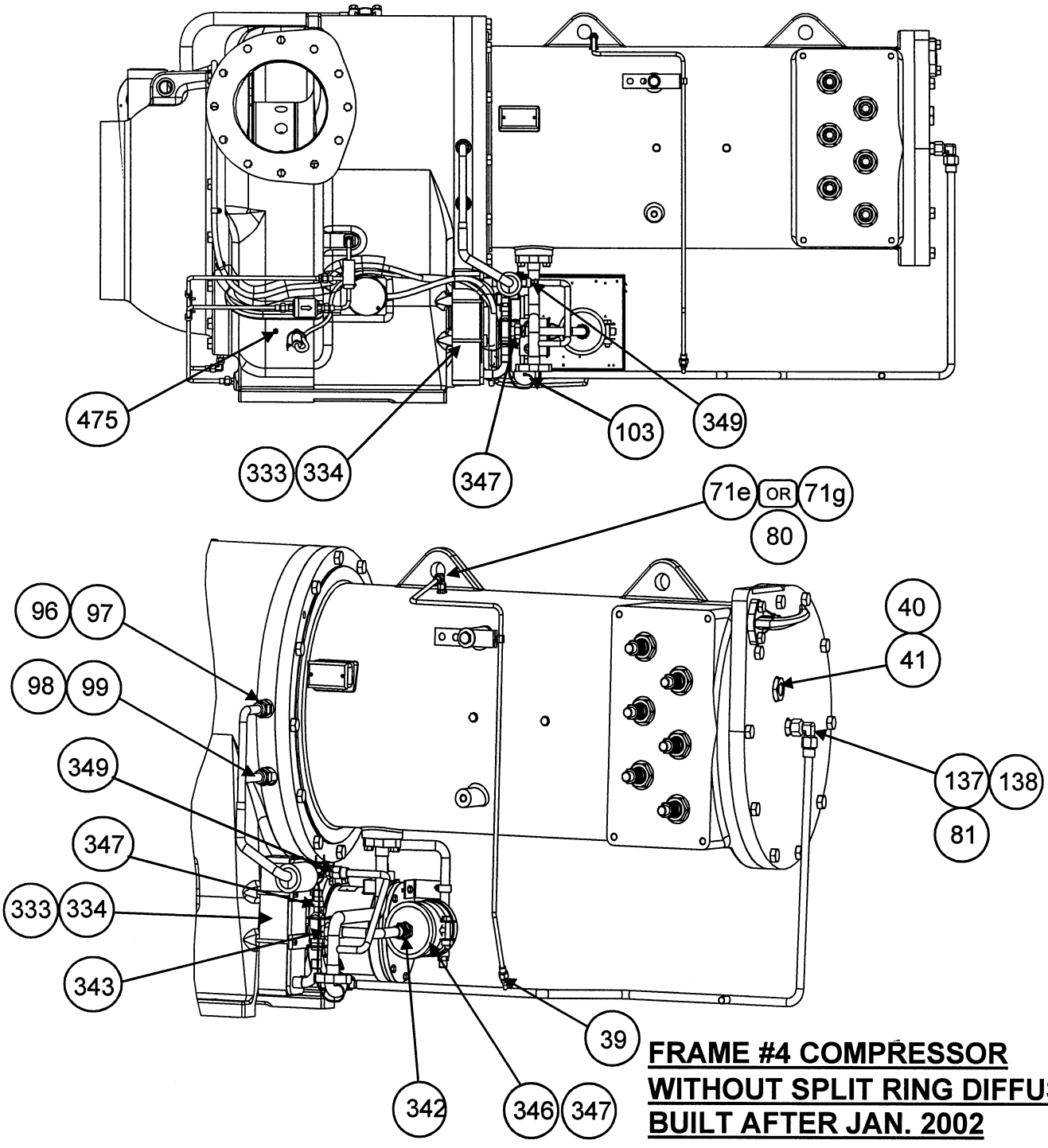


FRAME #4 COMPRESSOR WITHOUT SPLIT RING DIFFUSER BUILT PRIOR TO JAN. 2002

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



FRAME #4 COMPRESSOR WITHOUT SPLIT RING DIFFUSER BUILT AFTER JAN. 2002

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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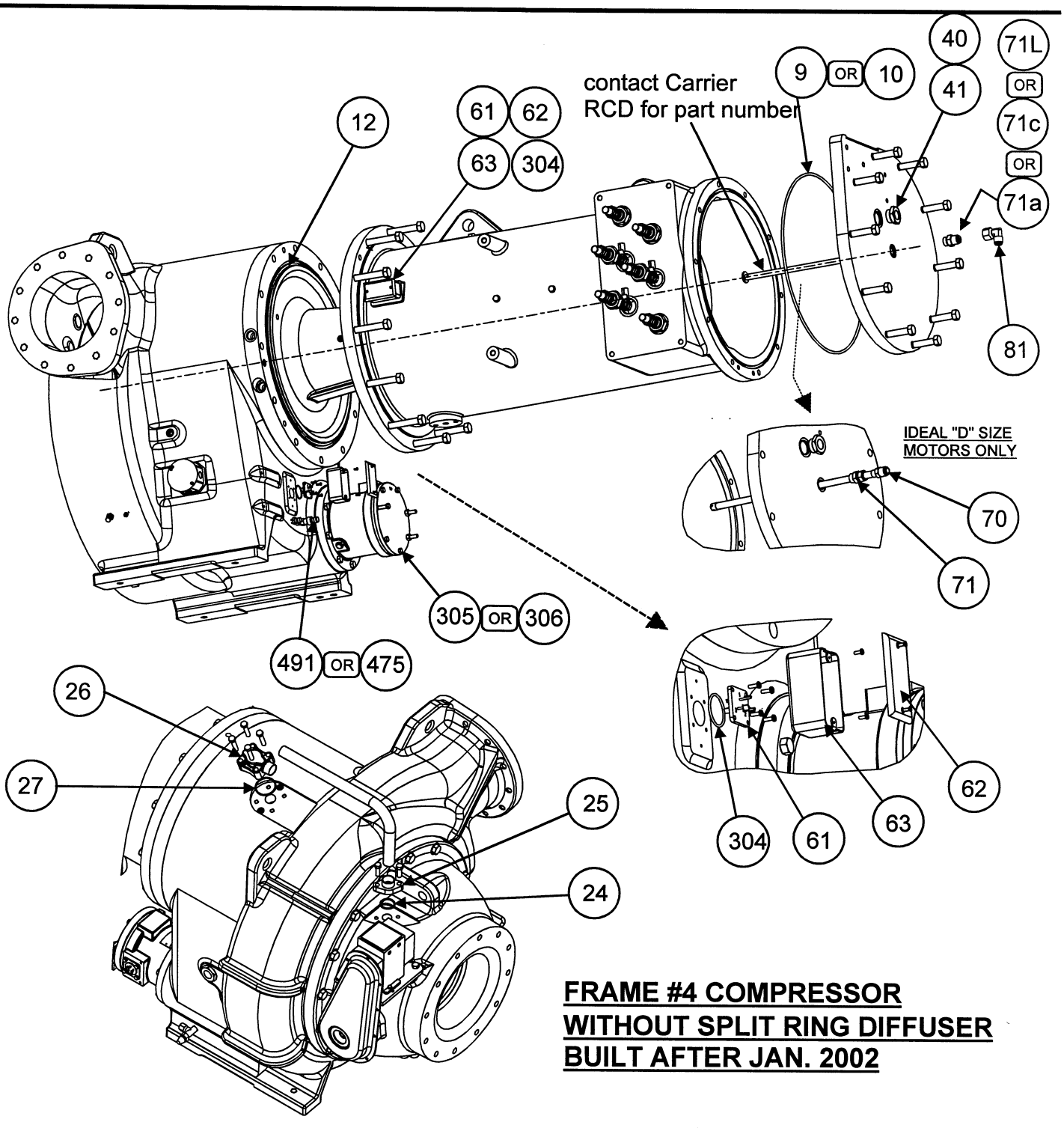
Litho in U.S.A

Electronic Graphics 19061028

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

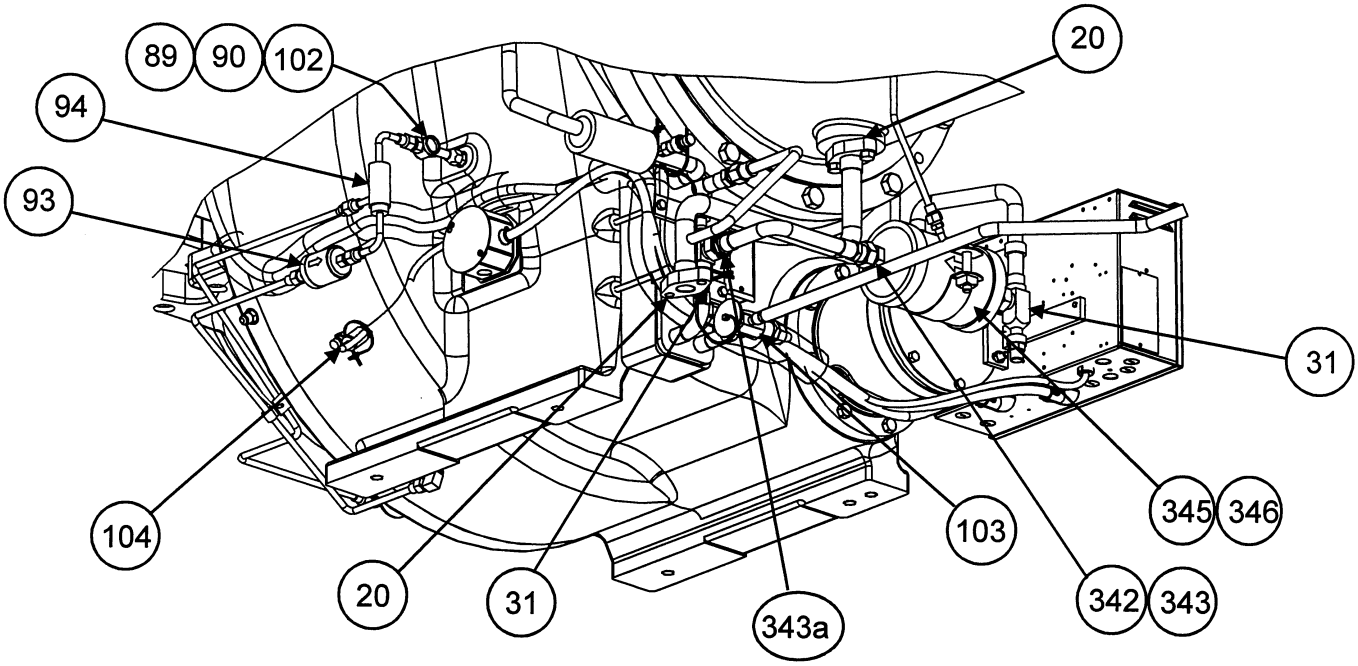


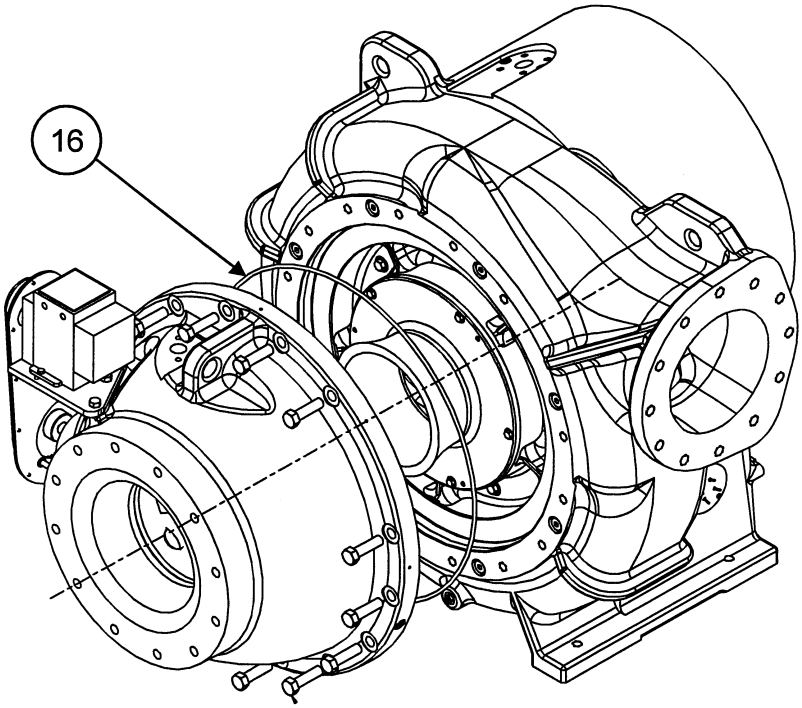
FRAME #4 COMPRESSOR WITHOUT SPLIT RING DIFFUSER BUILT AFTER JAN. 2002

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR





FRAME #4 COMPRESSOR WITHOUT SPLIT RING DIFFUSER BUILT AFTER JAN. 2002

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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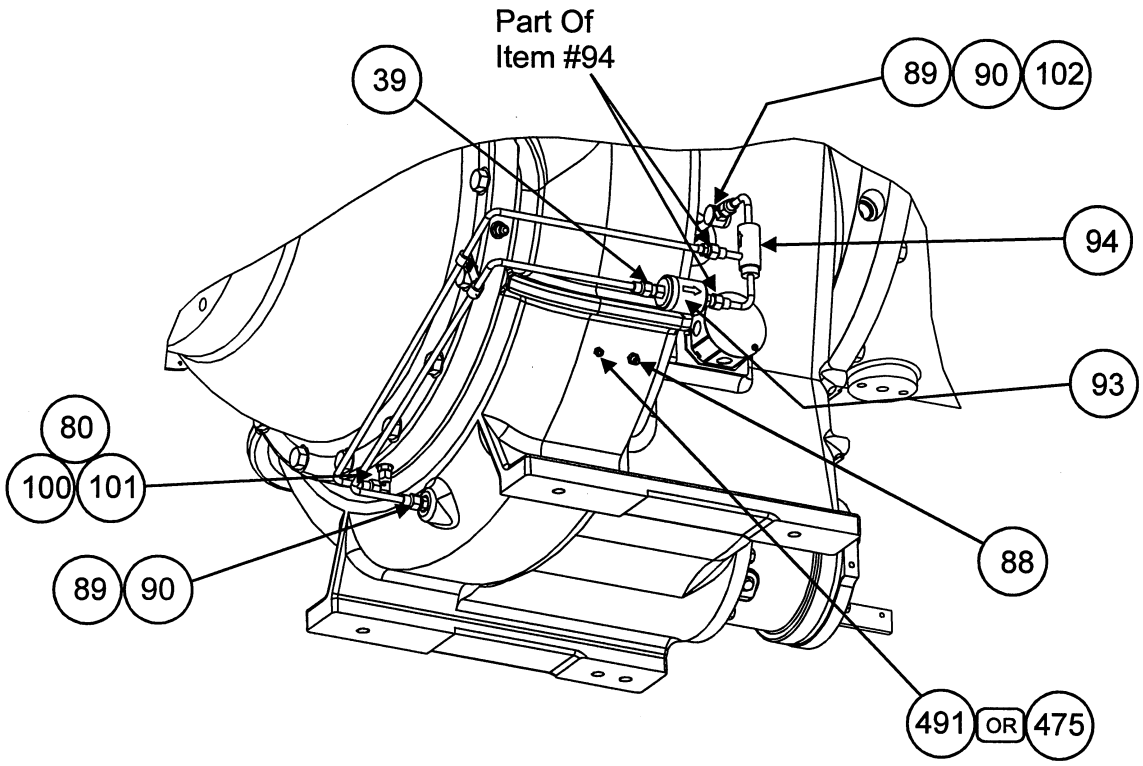
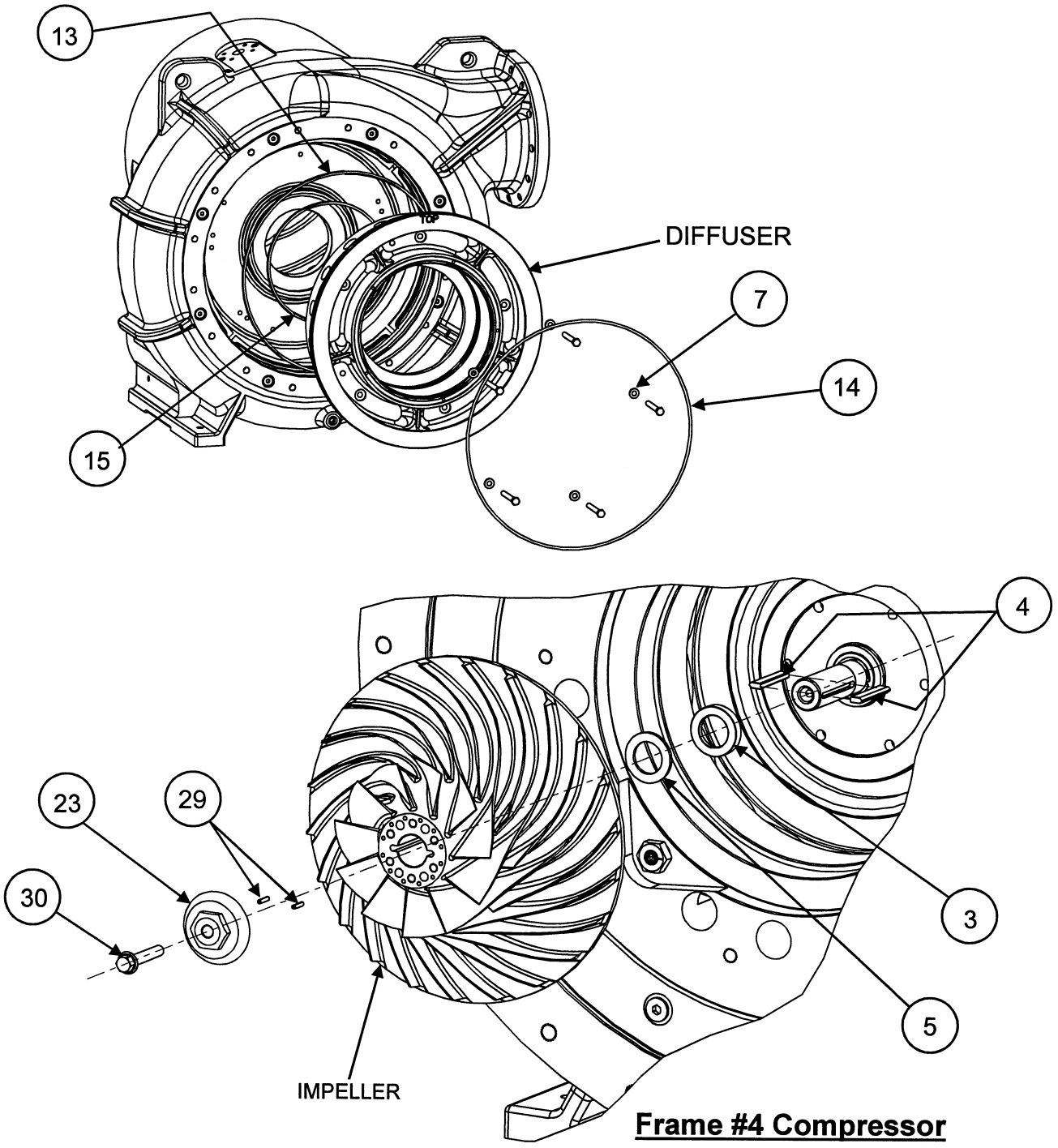
Litho in U.S.A

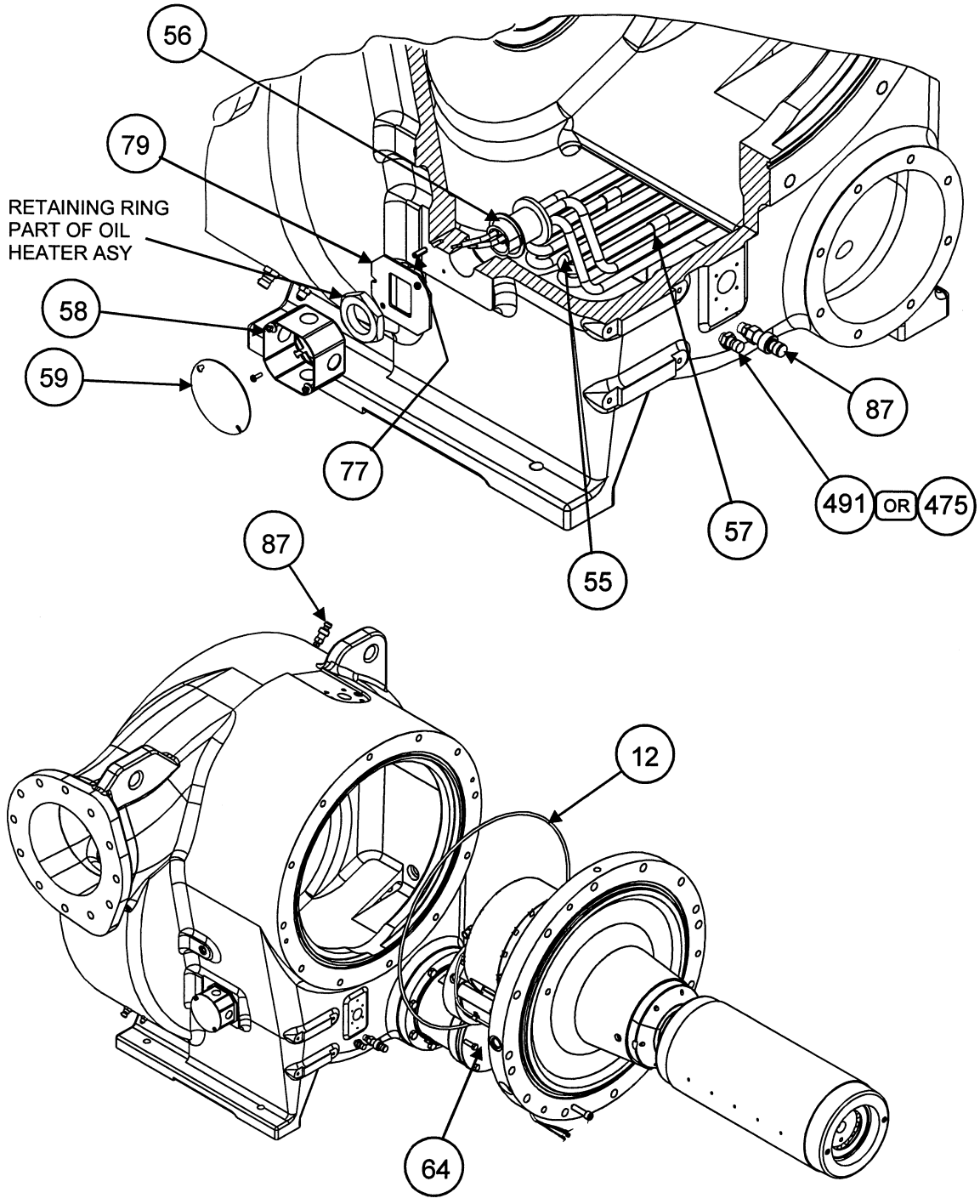
Electronic Graphics 19061030



FRAME #4 COMPRESSOR
WITHOUT SPLIT RING DIFFUSER
BUILT AFTER JAN. 2002



Frame #4 Compressor
Without Split Ring Diffuser
Built After January. 2002

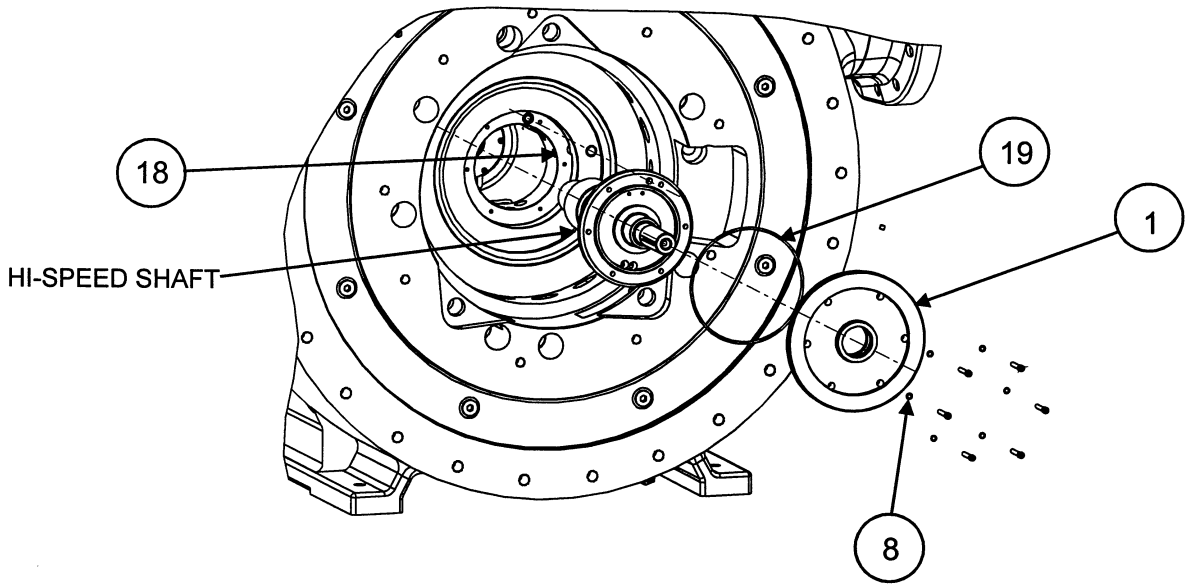


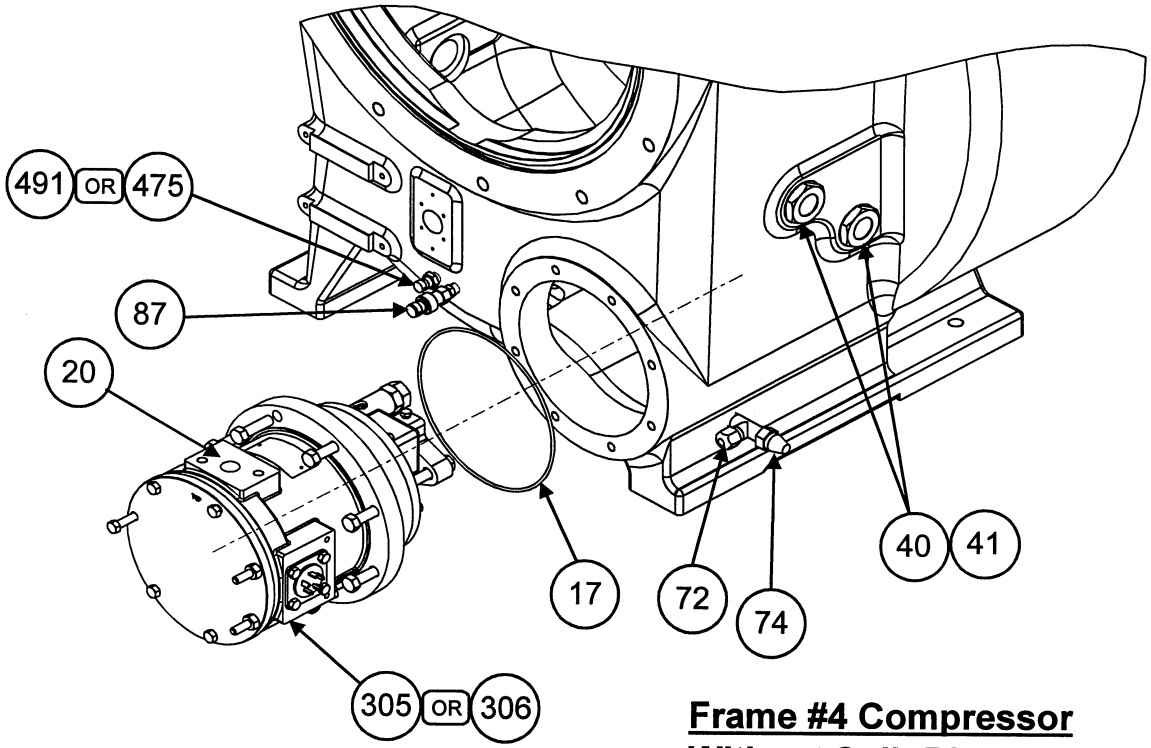
Frame #4 Compressor
Without Split Ring Diffuser
Built After January. 2002

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



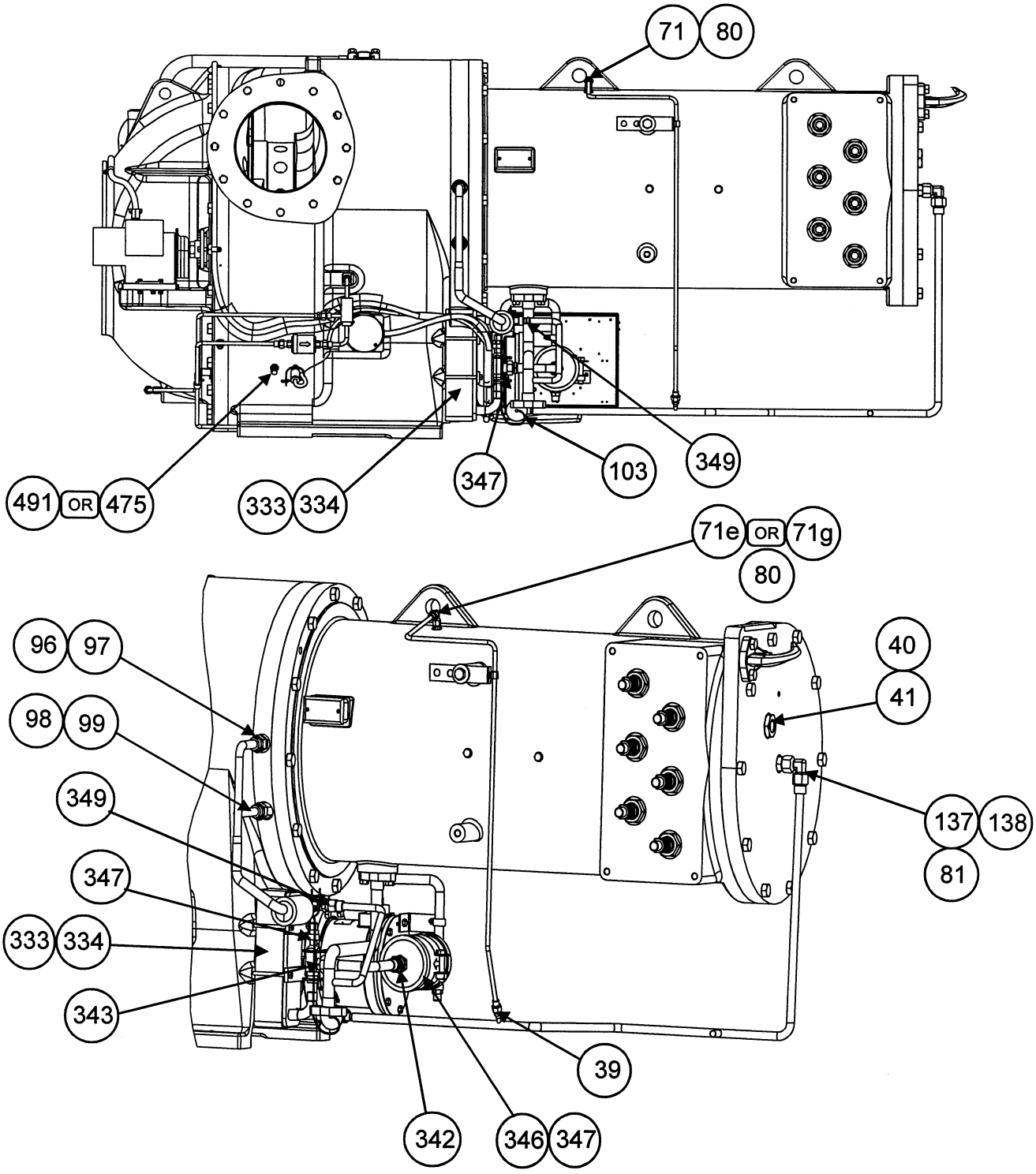


Frame #4 Compressor
Without Split Ring Diffuser
Built After January. 2002

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Frame #4 Compressor With Split Ring Diffuser

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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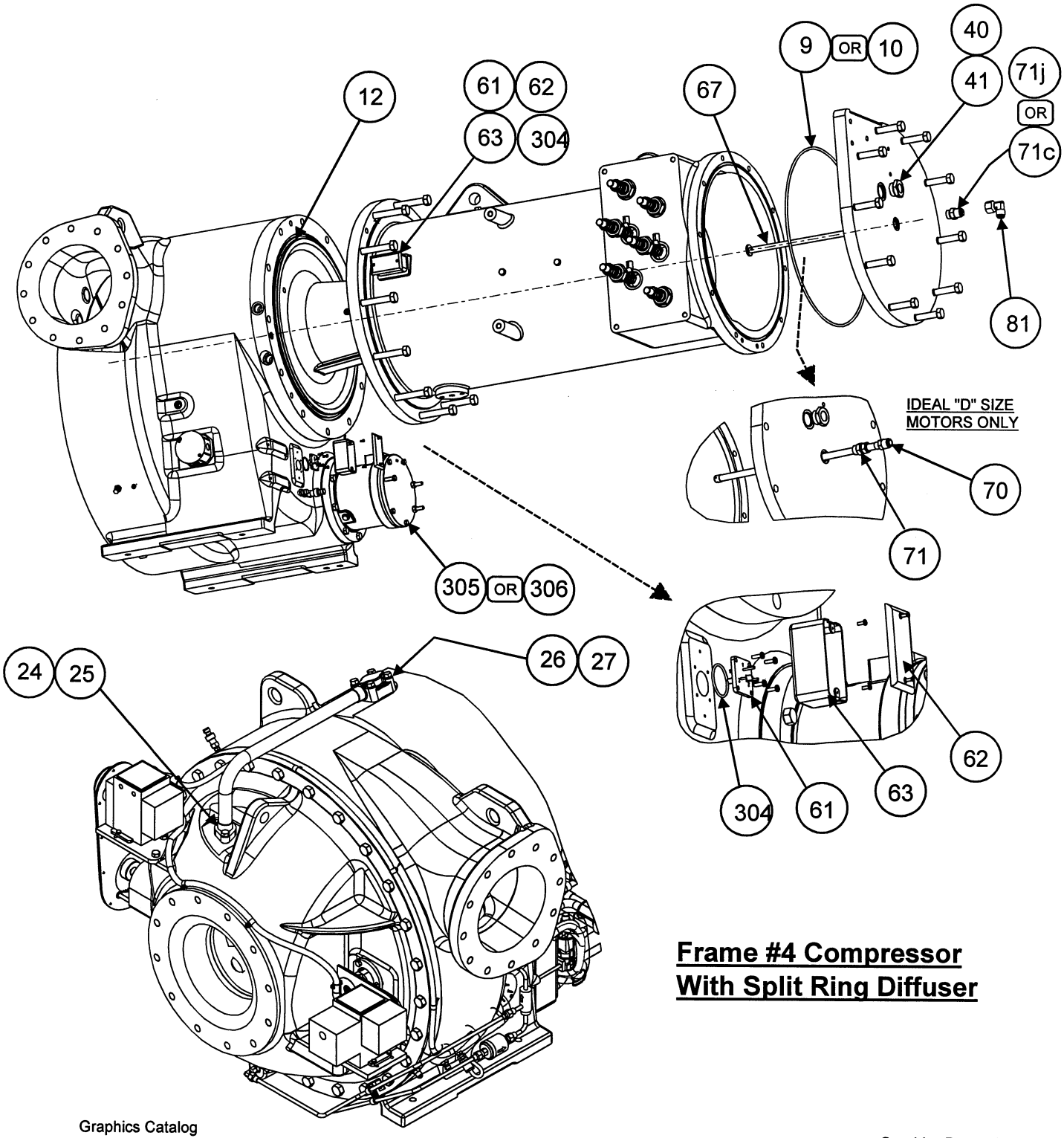
Litho in U.S.A

Electronic Graphics 19061035

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Frame #4 Compressor With Split Ring Diffuser

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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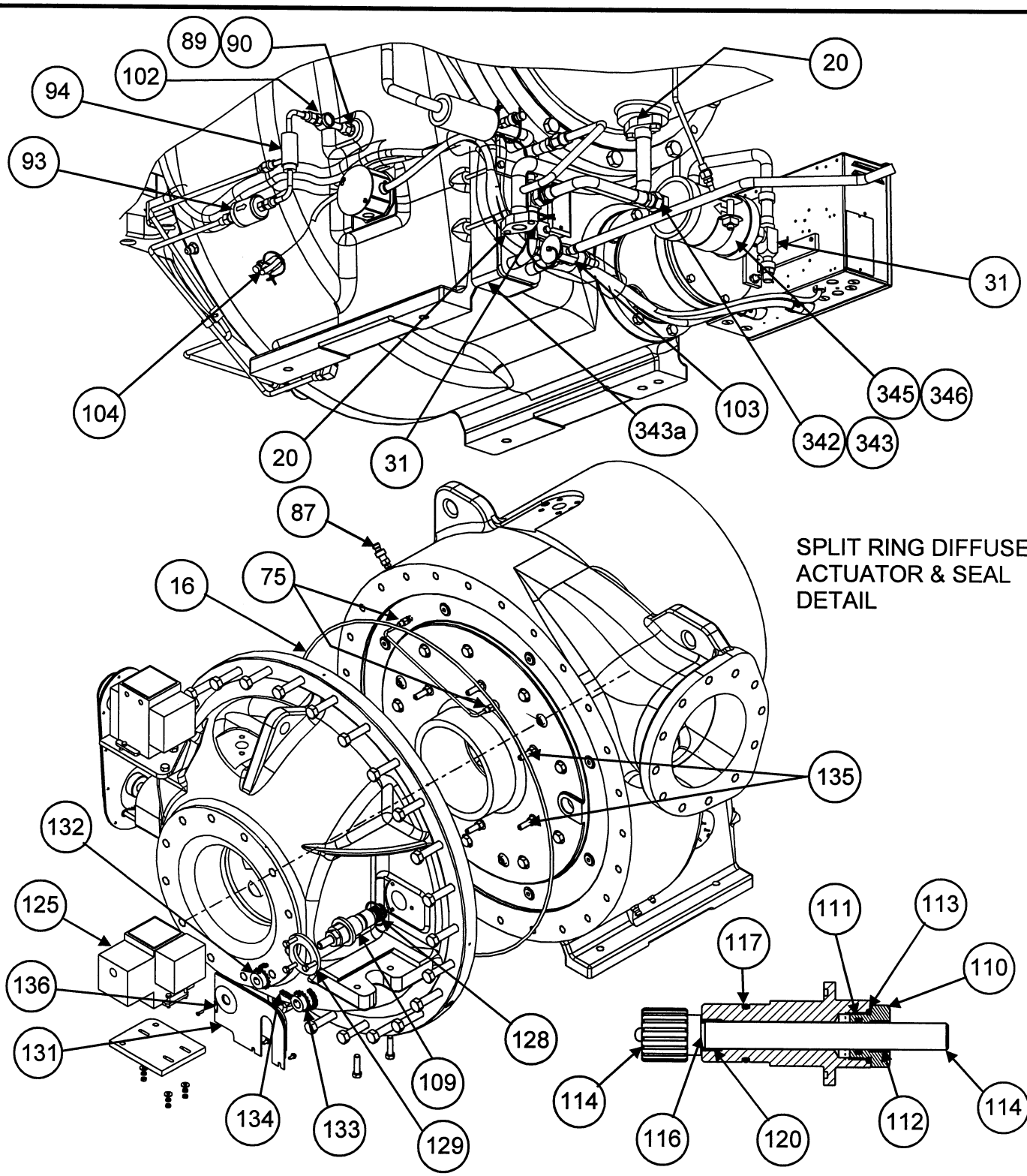
Litho in U.S.A

Electronic Graphics 19061036

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

Frame #4 Compressor With Split Ring Diffuser

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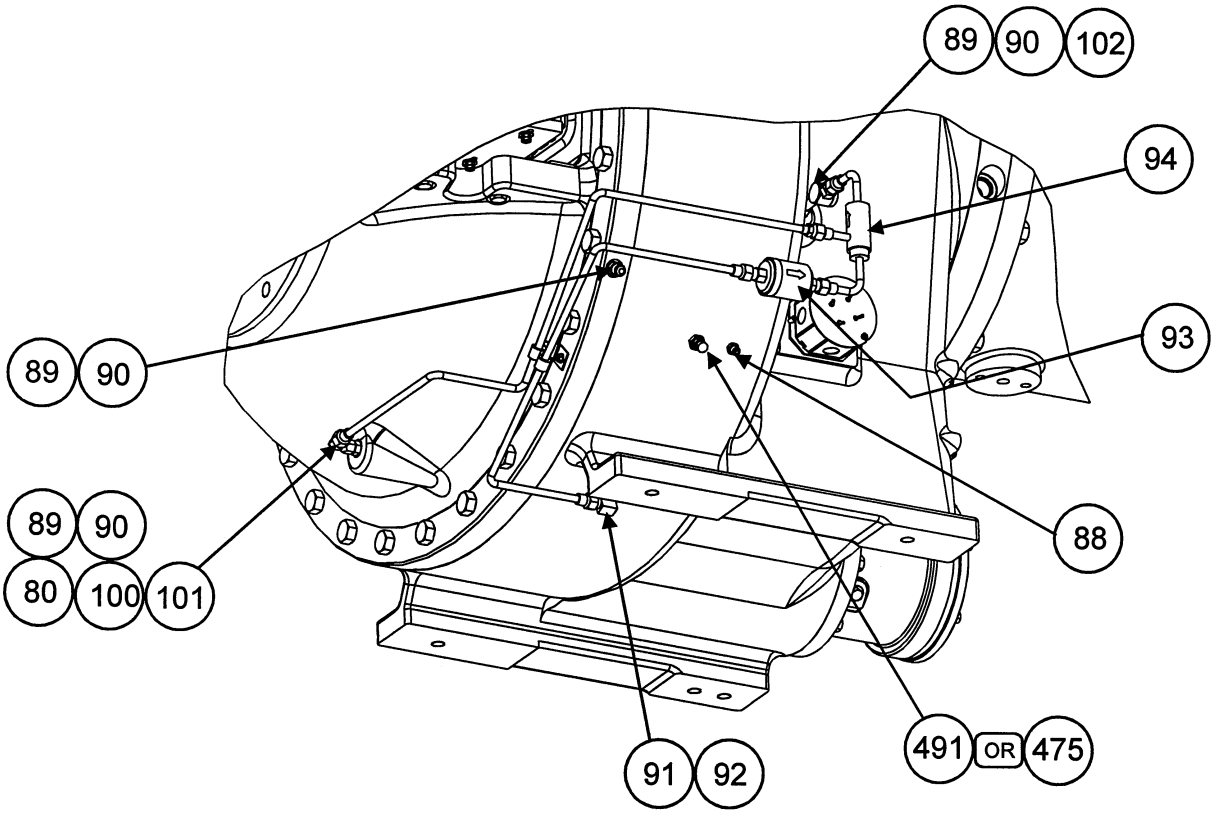
Litho in U.S.A
Electronic Graphics 19061037

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

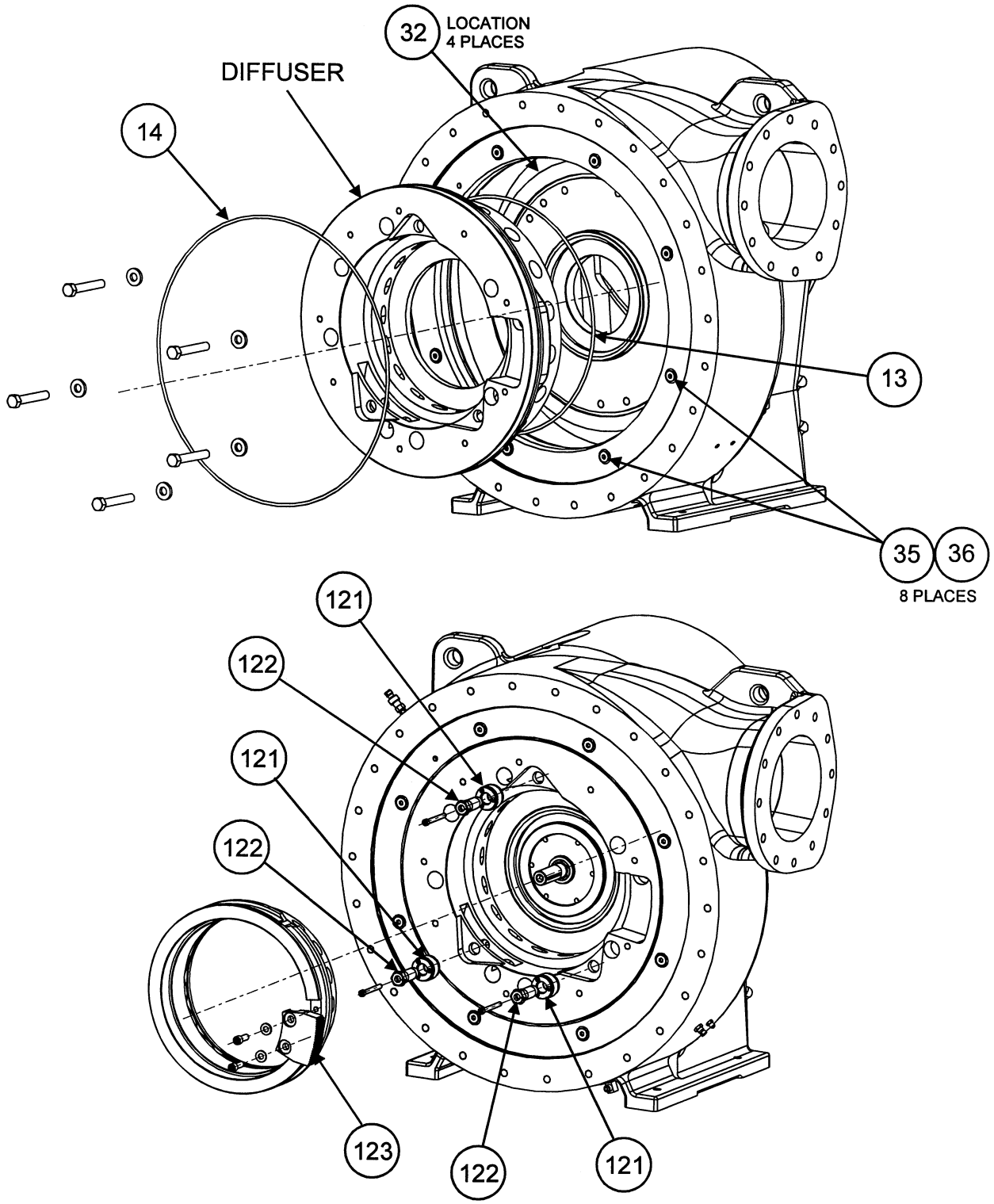


Frame #4 Compressor
With Split Ring Diffuser

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Frame #4 Compressor With Split Ring Diffuser

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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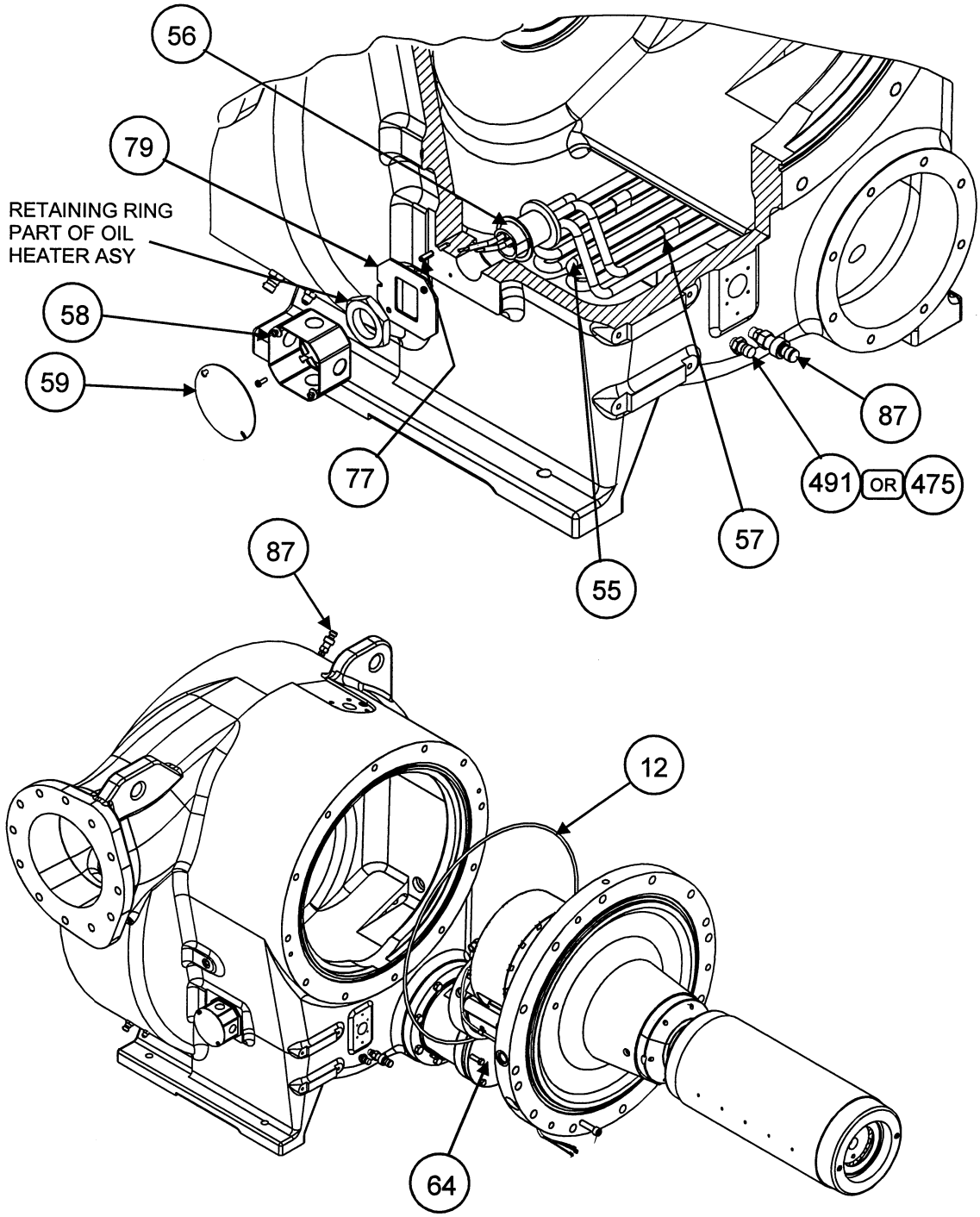
Litho in U.S.A

Electronic Graphics 19061039

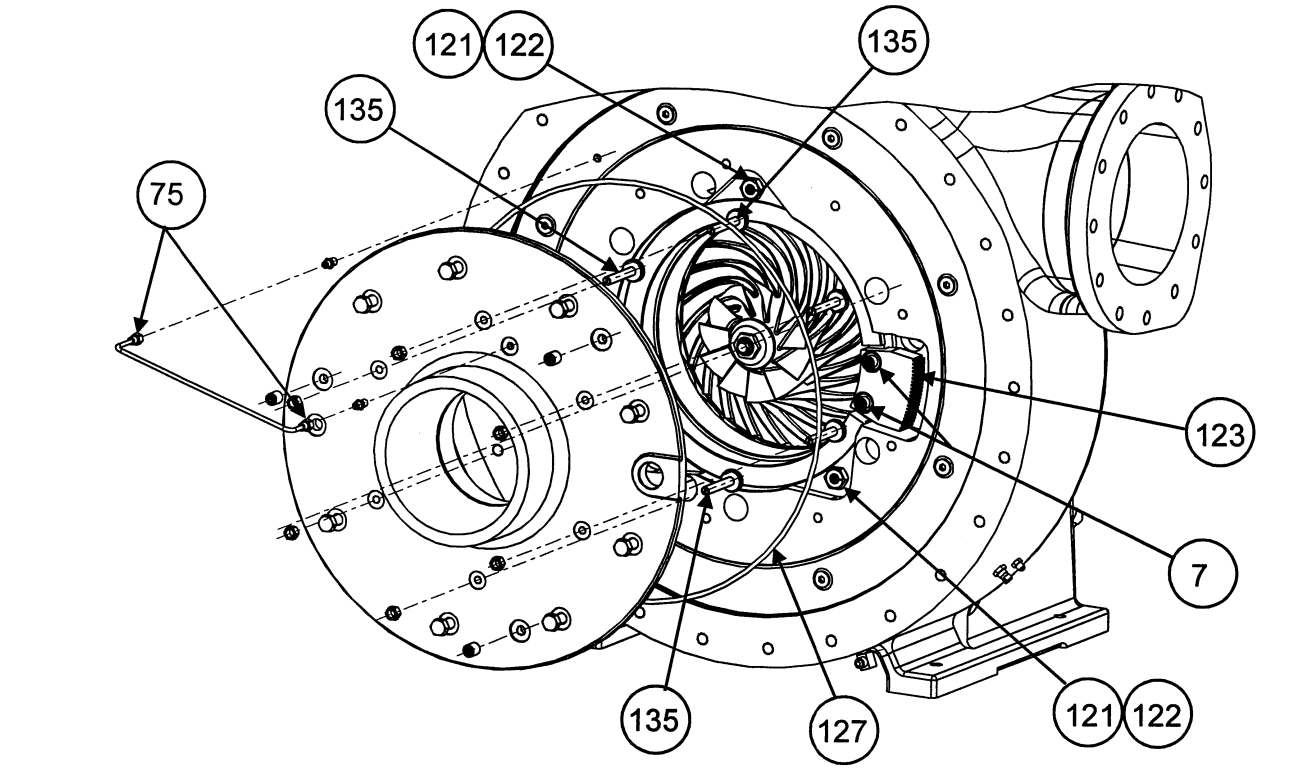


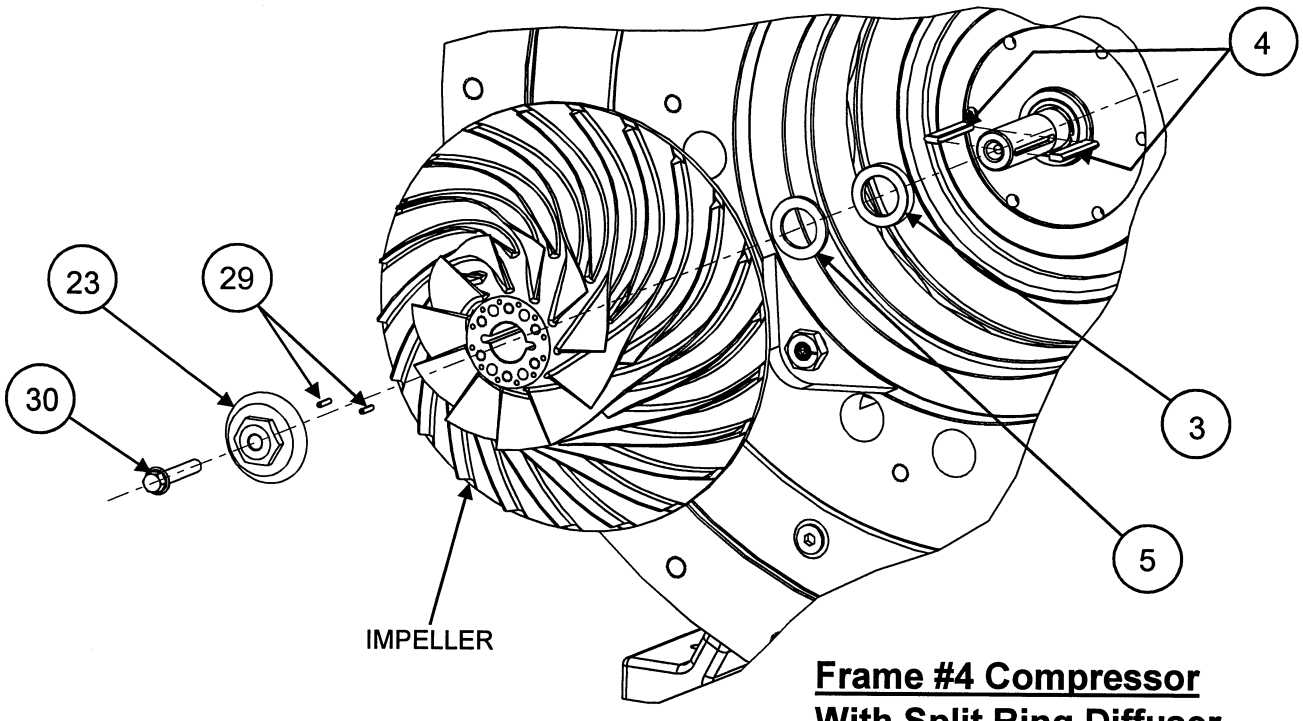
Frame #4 Compressor
With Split Ring Diffuser

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR





Frame #4 Compressor With Split Ring Diffuser

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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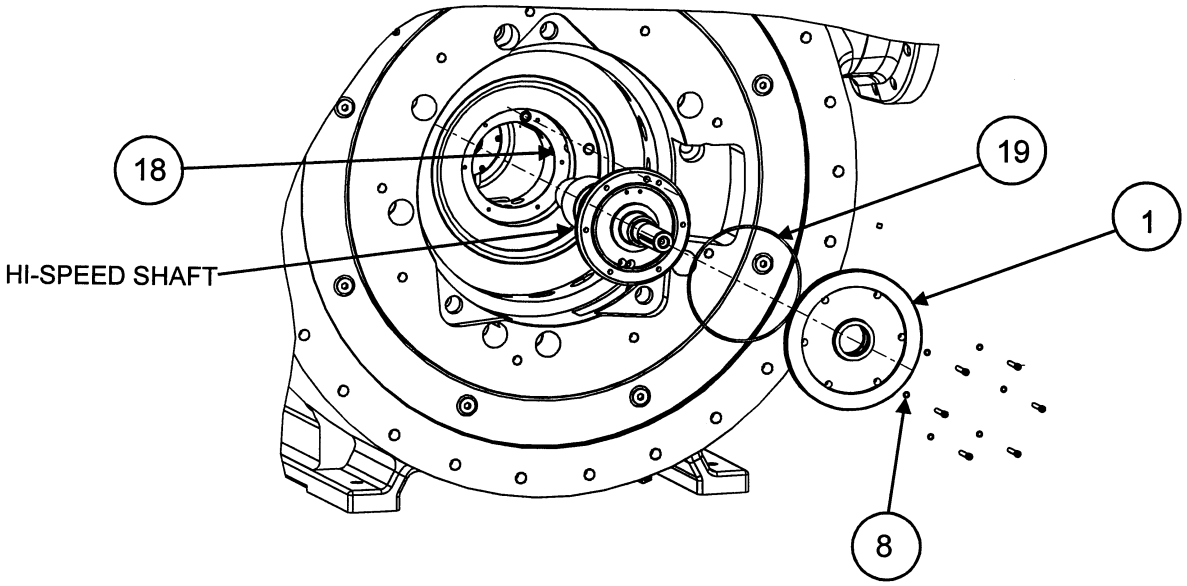
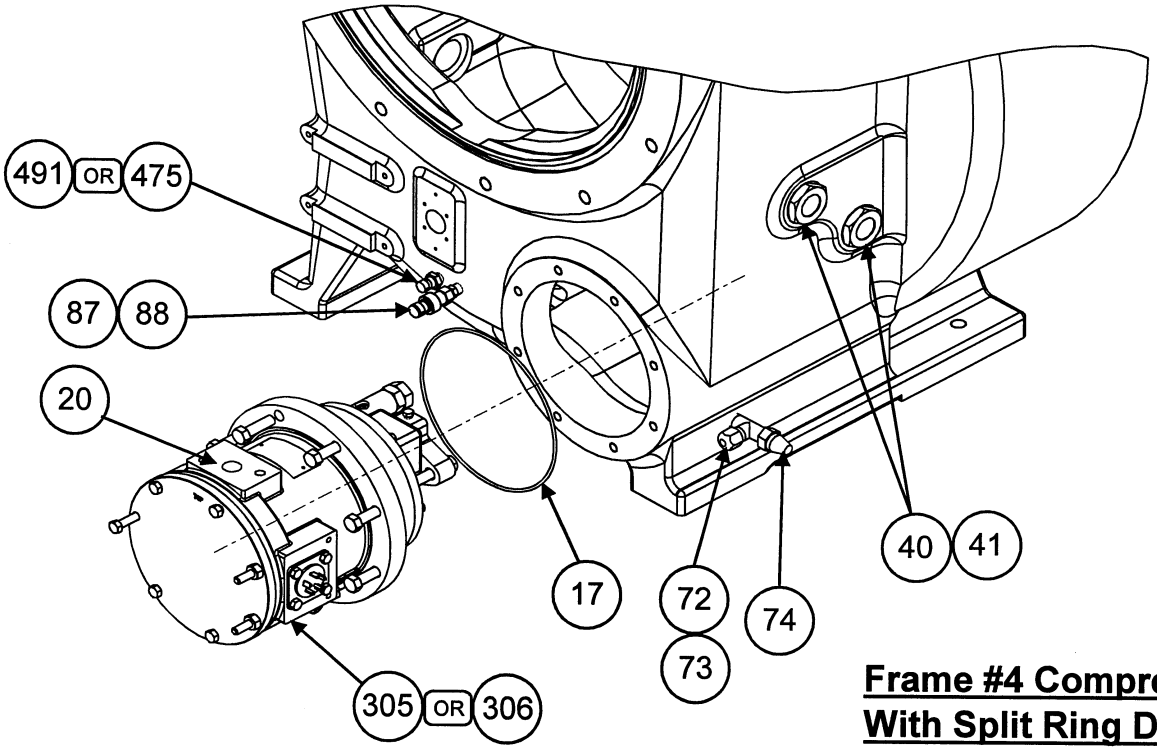
Litho in U.S.A

Electronic Graphics 19061041



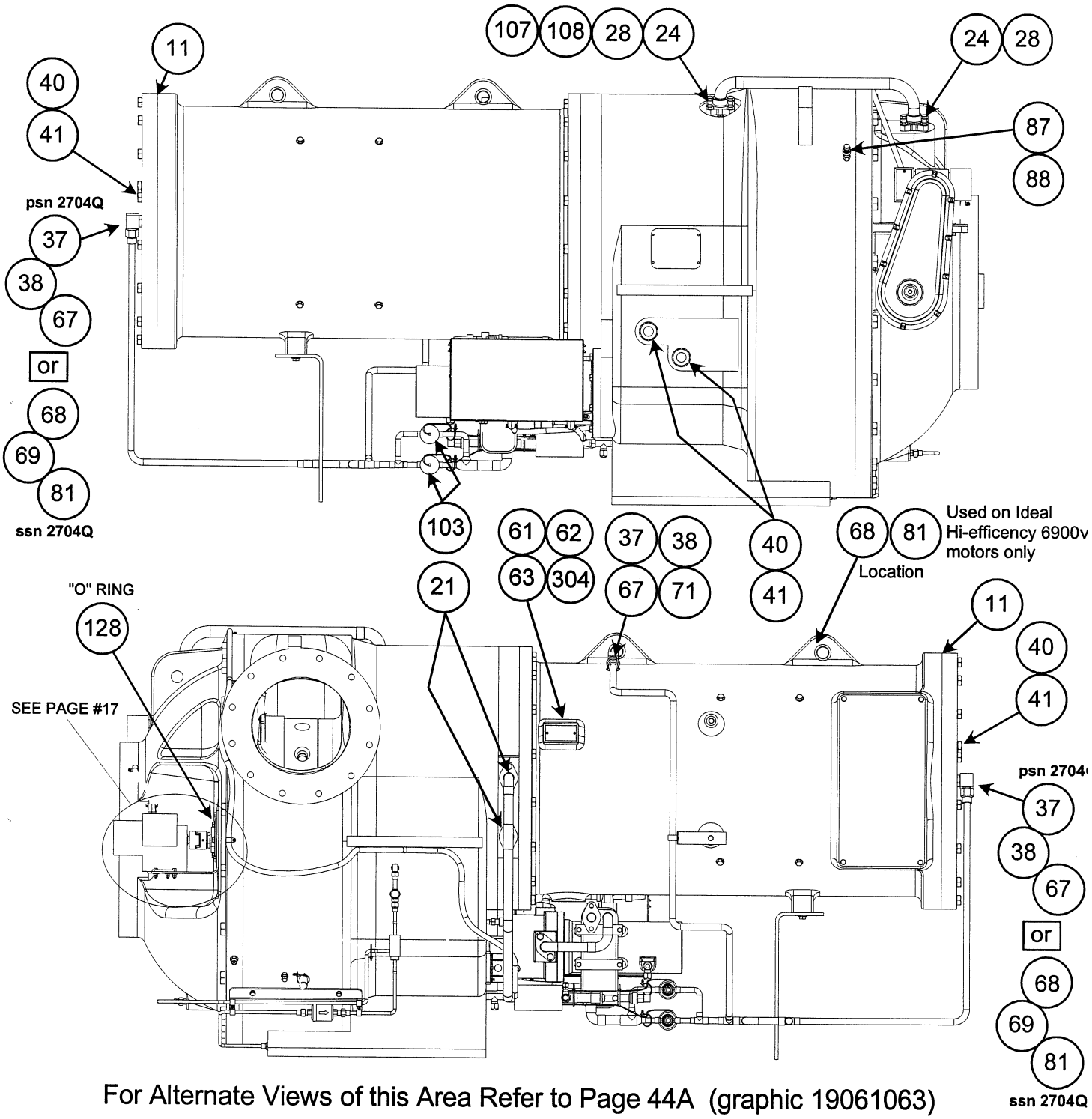


Frame #4 Compressor
With Split Ring Diffuser

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



For Alternate Views of this Area Refer to Page 44A (graphic 19061063)

Frame #5 Compressor

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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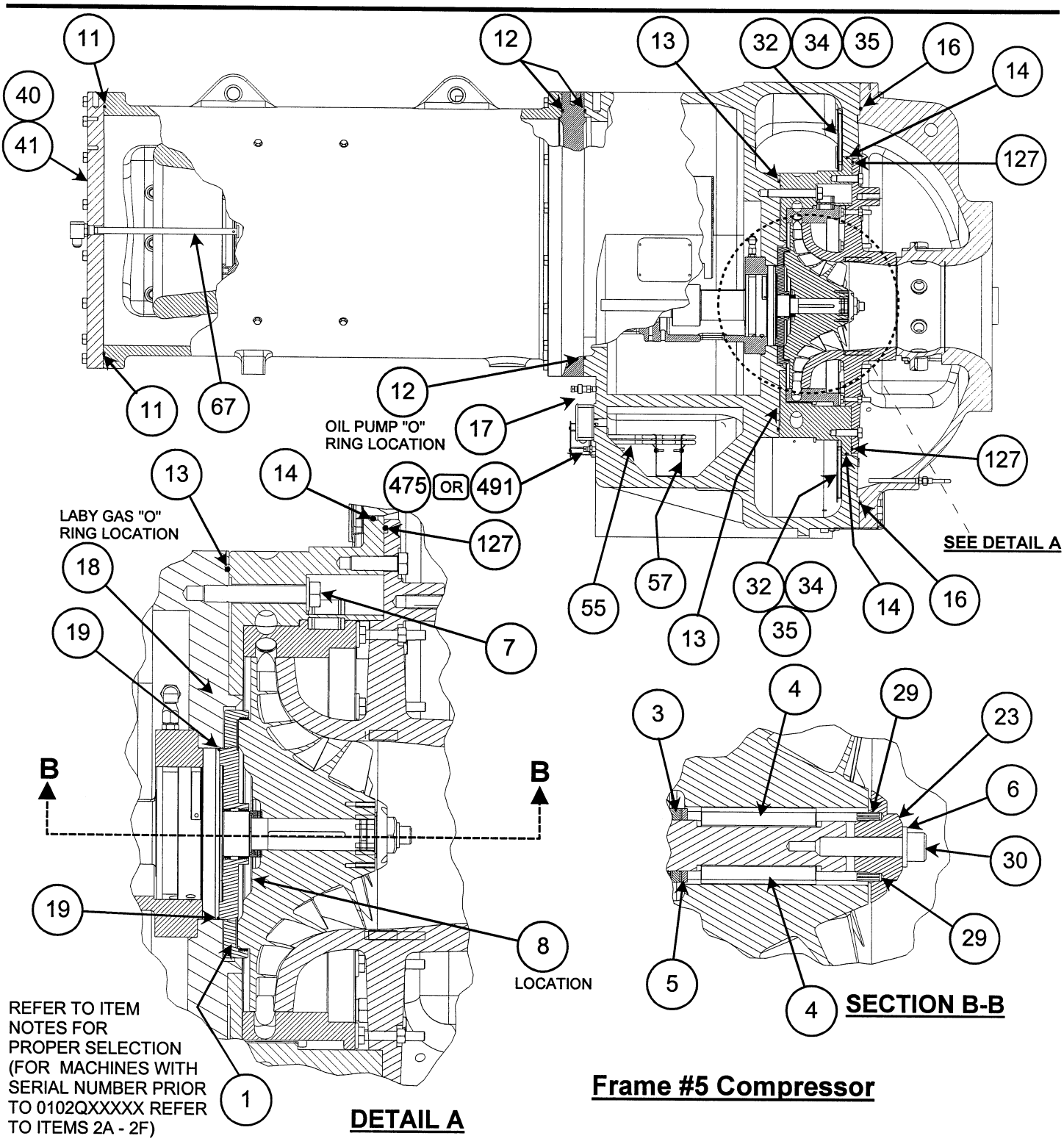
Electronic Graphics 19061043

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

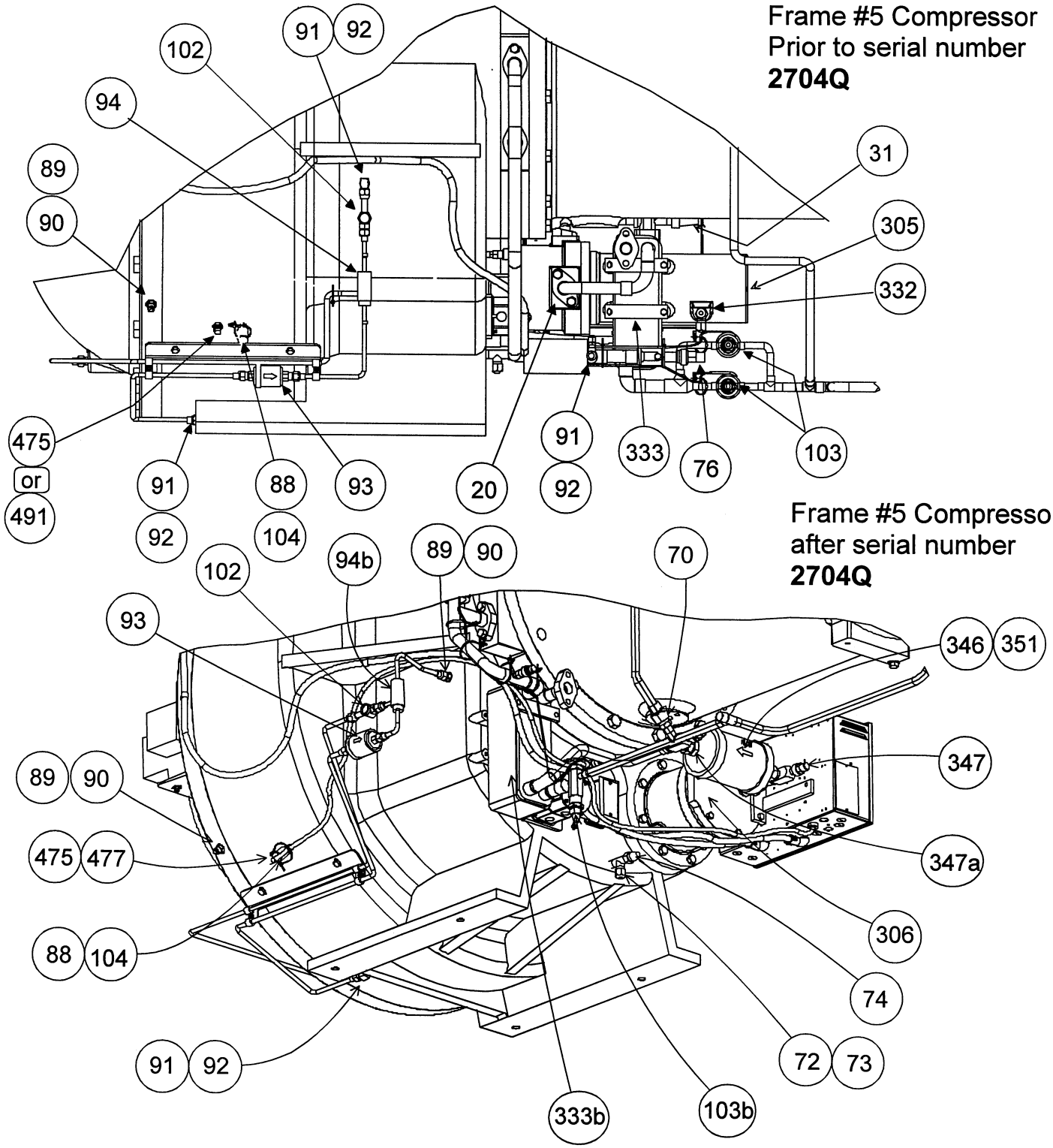
Graphics Page: 44
Litho in U.S.A

Electronic Graphics 19061044

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

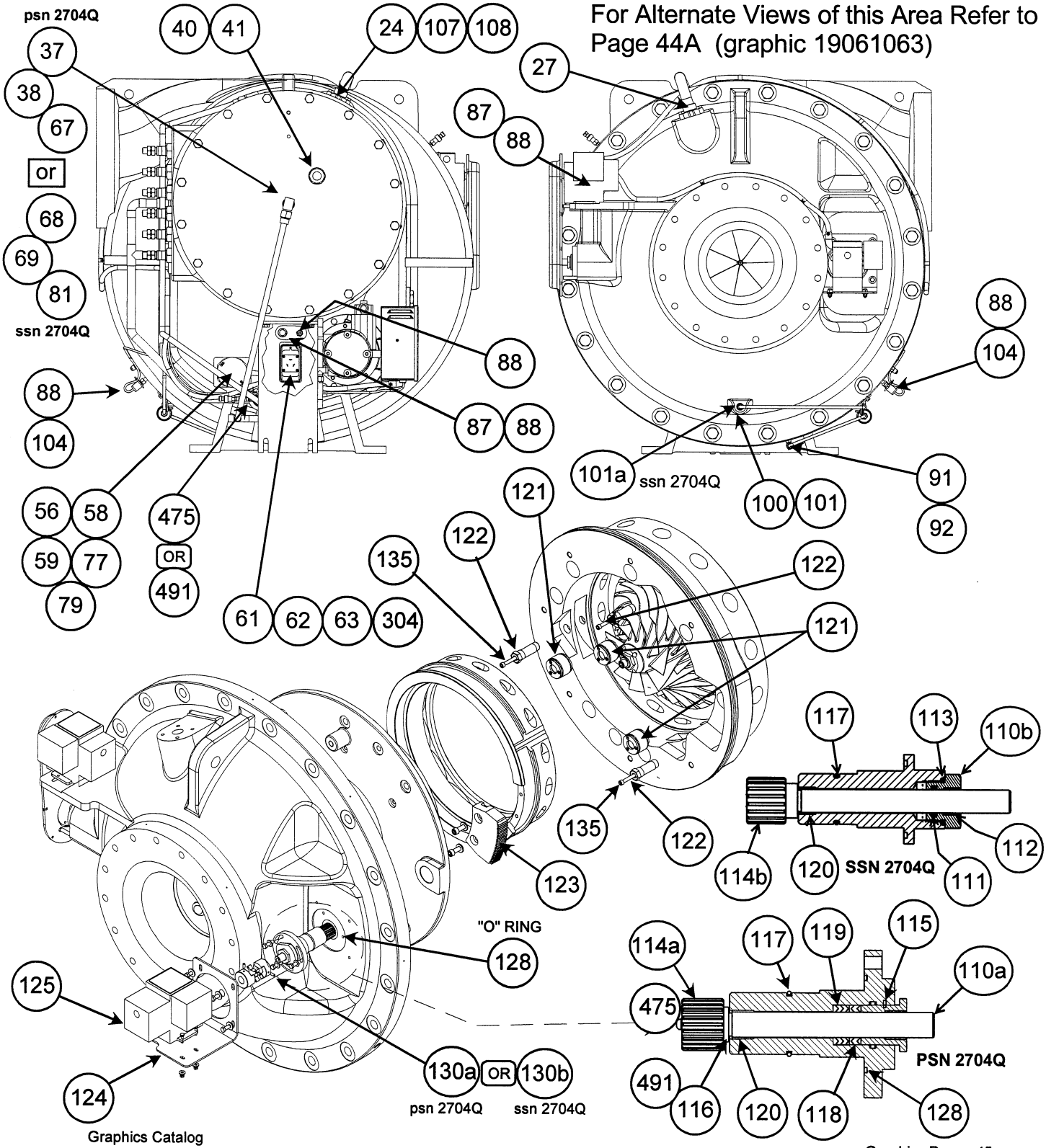
19XR



Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

Frame #5 Compressor

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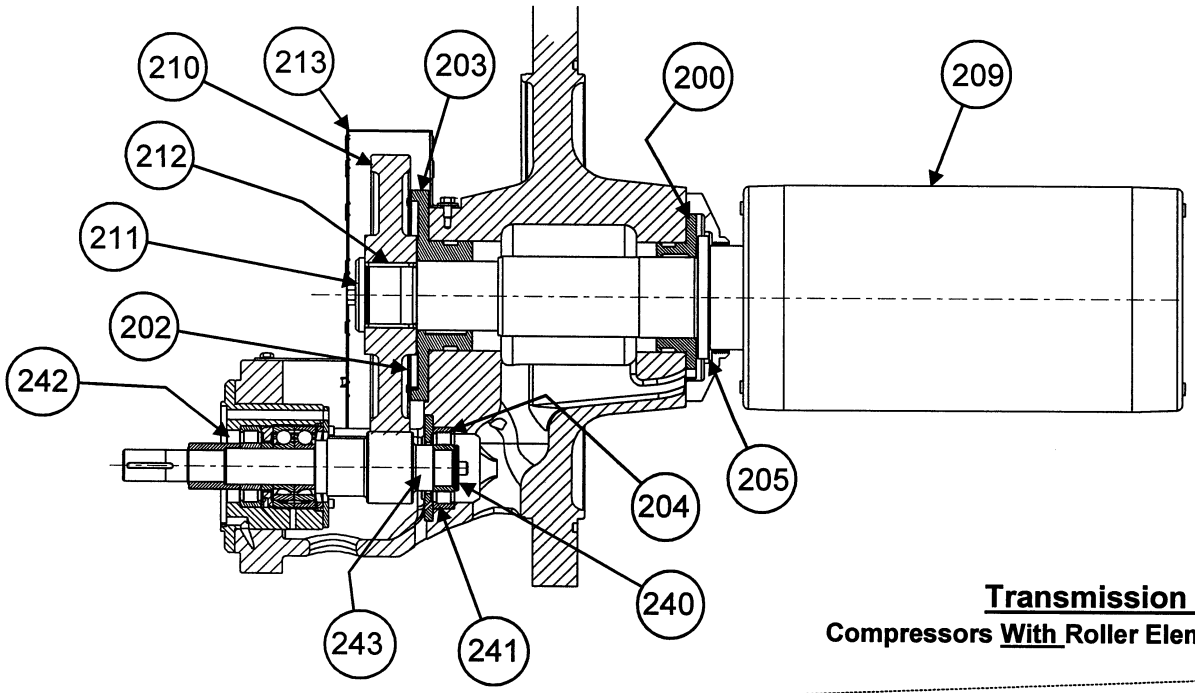
Litho in U.S.A

Electronic Graphics 19061045

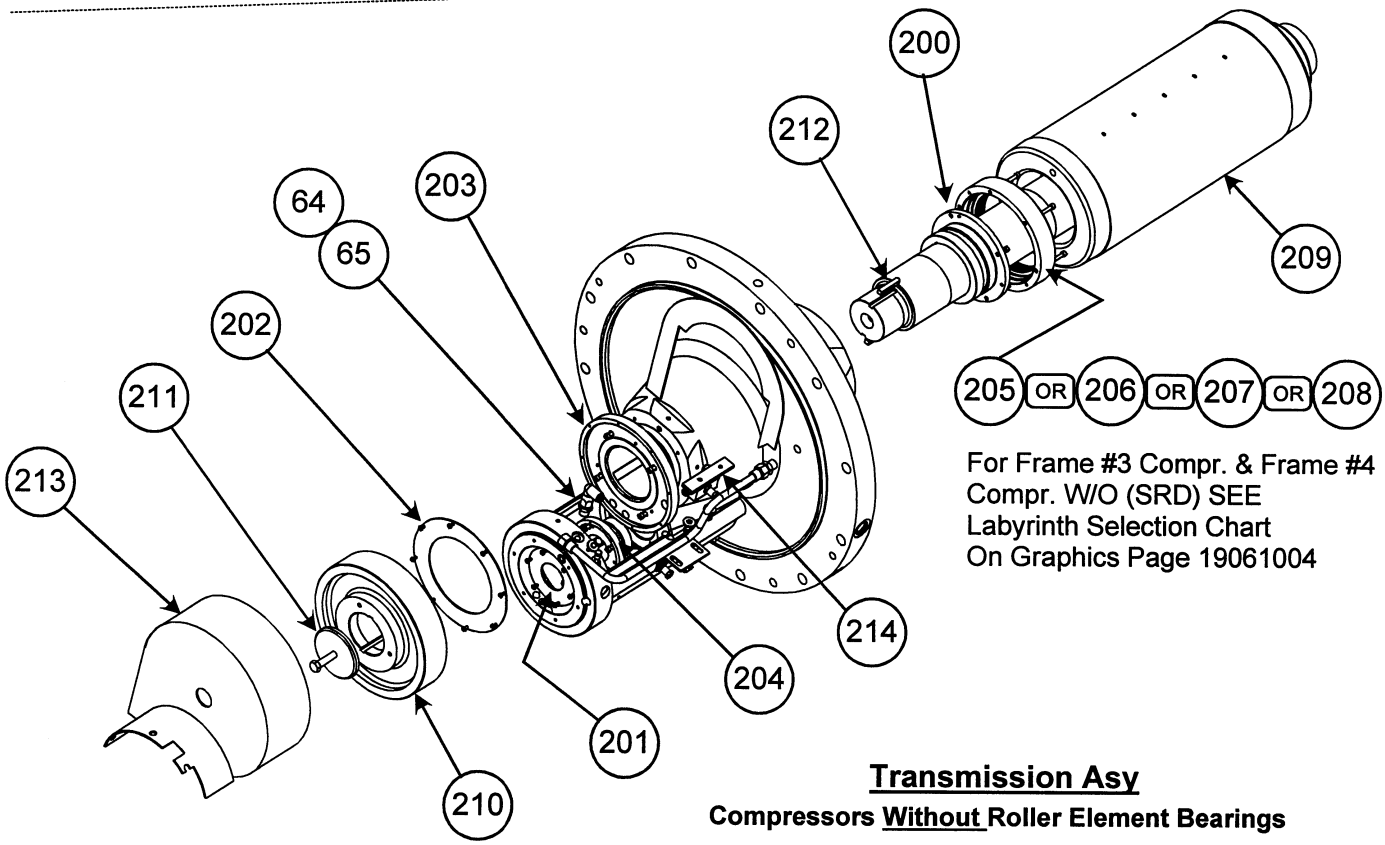
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

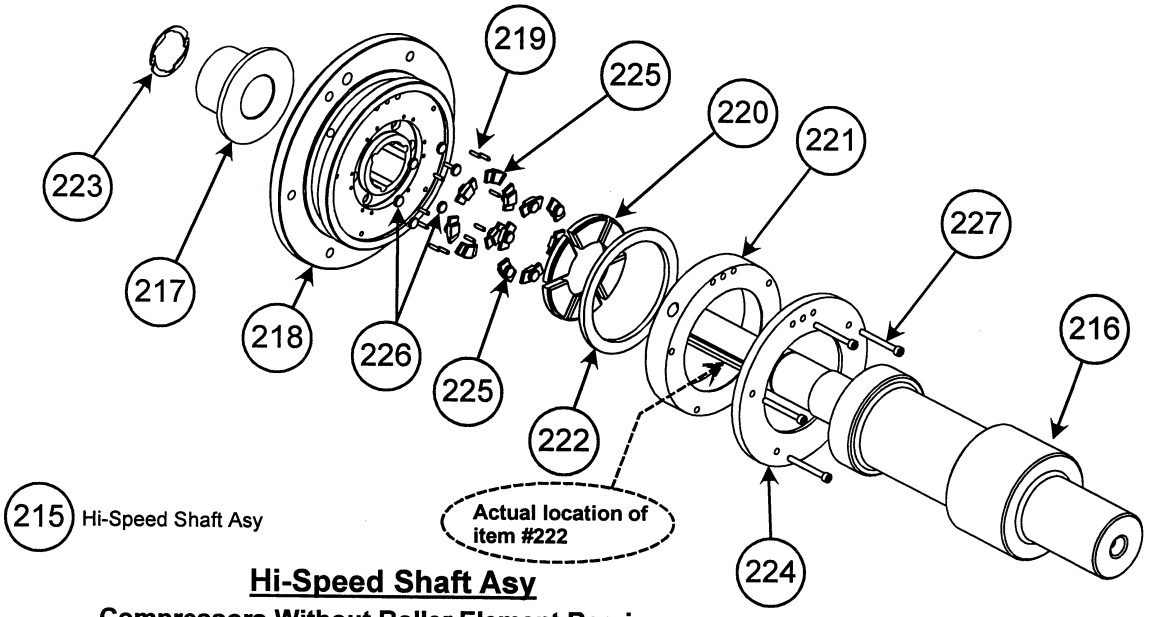


Transmission Asy
Compressors With Roller Element Bearings



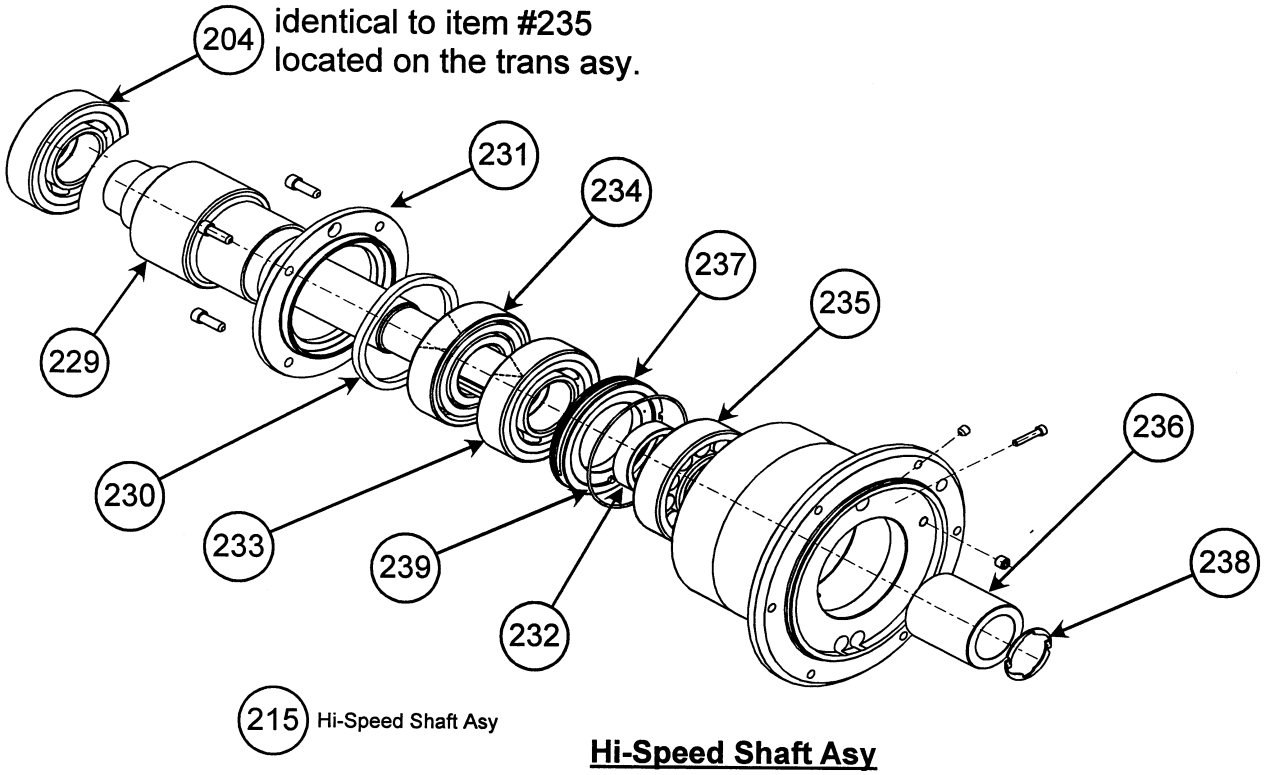
For Frame #3 Compr. & Frame #4 Compr. W/O (SRD) SEE Labyrinth Selection Chart On Graphics Page 19061004

Transmission Asy
Compressors Without Roller Element Bearings



Hi-Speed Shaft Asy

Compressors Without Roller Element Bearings



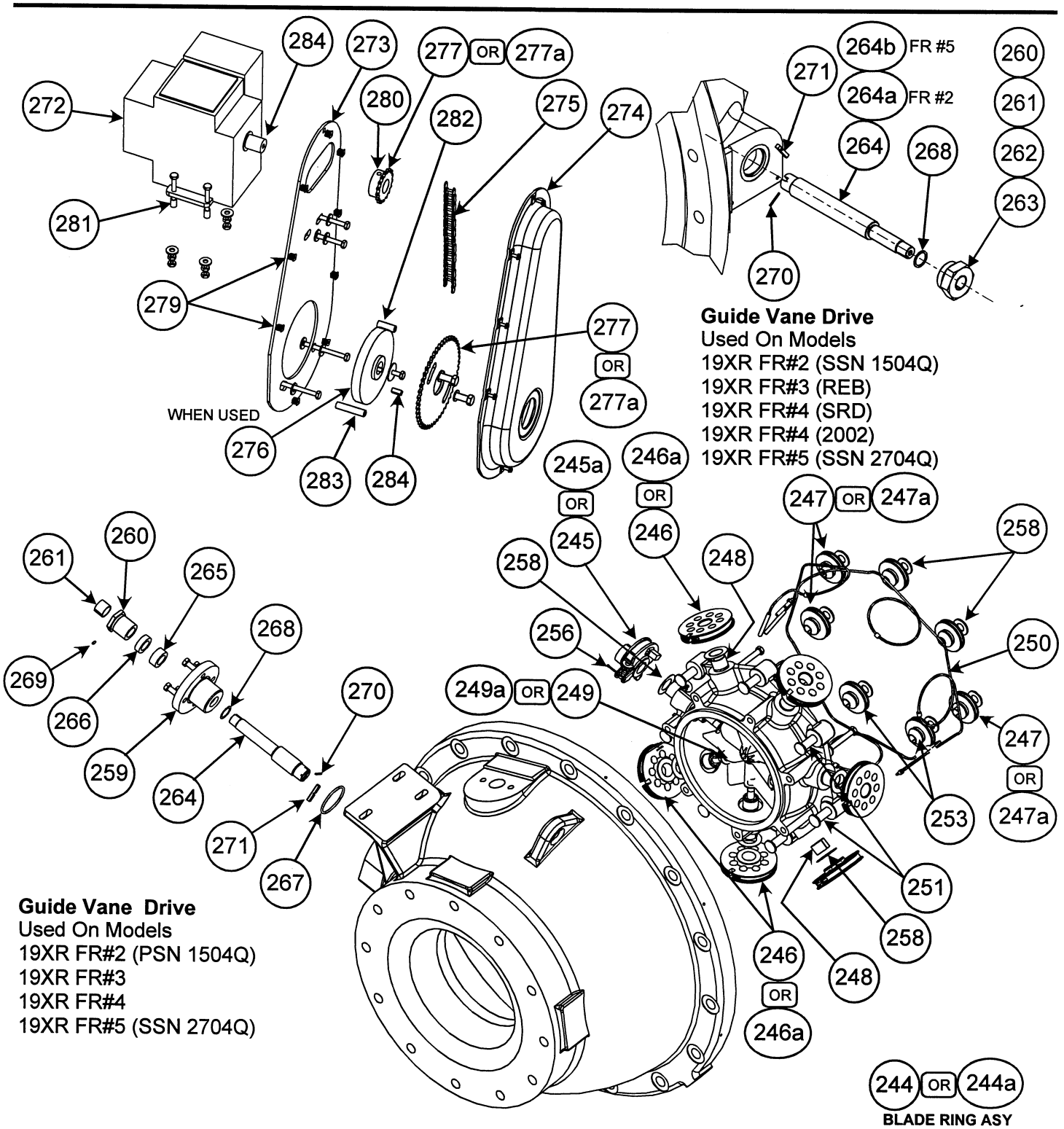
Hi-Speed Shaft Asy

Compressors With Roller Element Bearings

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Suction End Housing For All Compressors

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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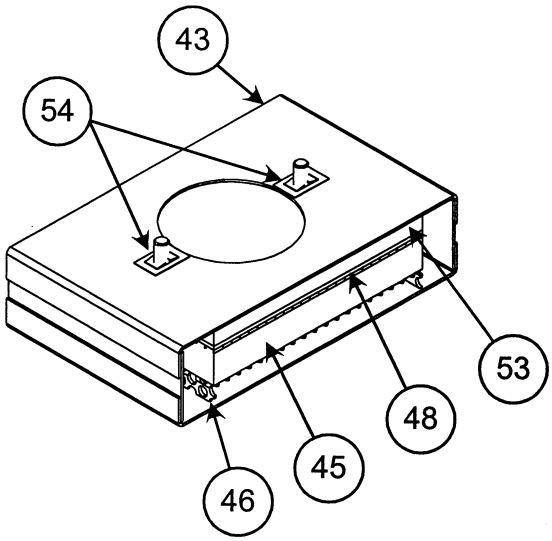
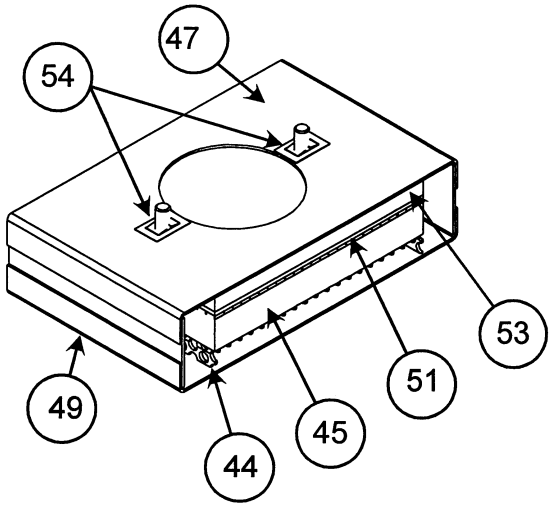
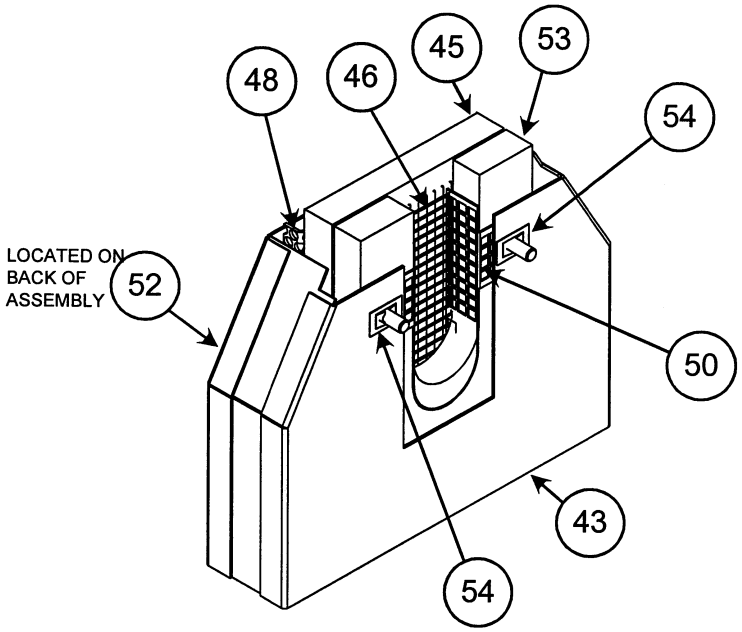
Electronic Graphics 19061048



Demister Assembly
Frame #2 Compressor (PSN 1504Q)



Demister Assembly
Frame #2 Compressor (SSN 1504Q)
Frame #3 (REB) Compressor
Frame #4 (SRD) Compressor
Frame #4 (2002) CompressorR
Frame #5 Compressor (SSN 2704Q)

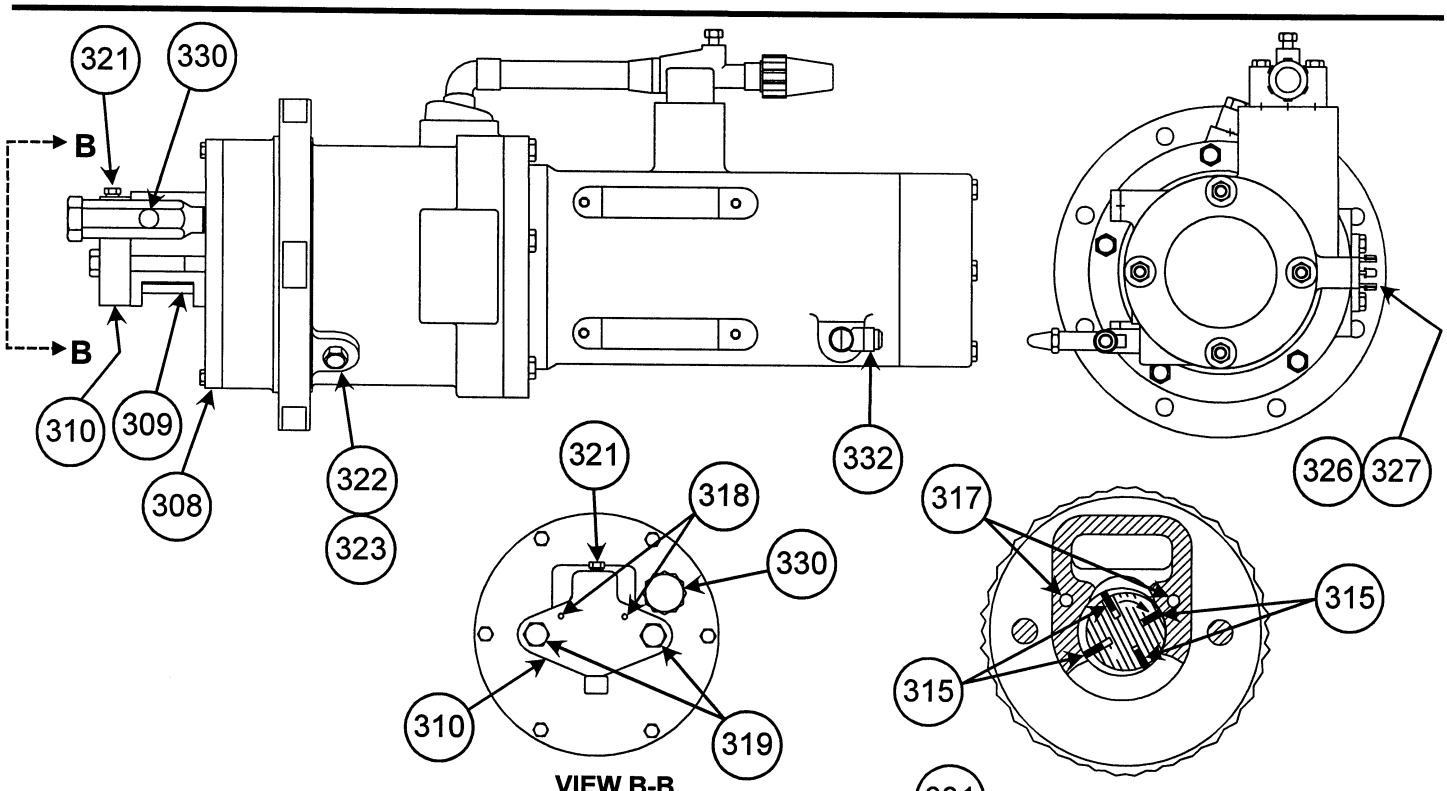


Demister Assembly
Frame #3 Compressor
Frame #4 Compressor
Frame #5 Compressor (PSN 2704Q)

Replacement Components Division

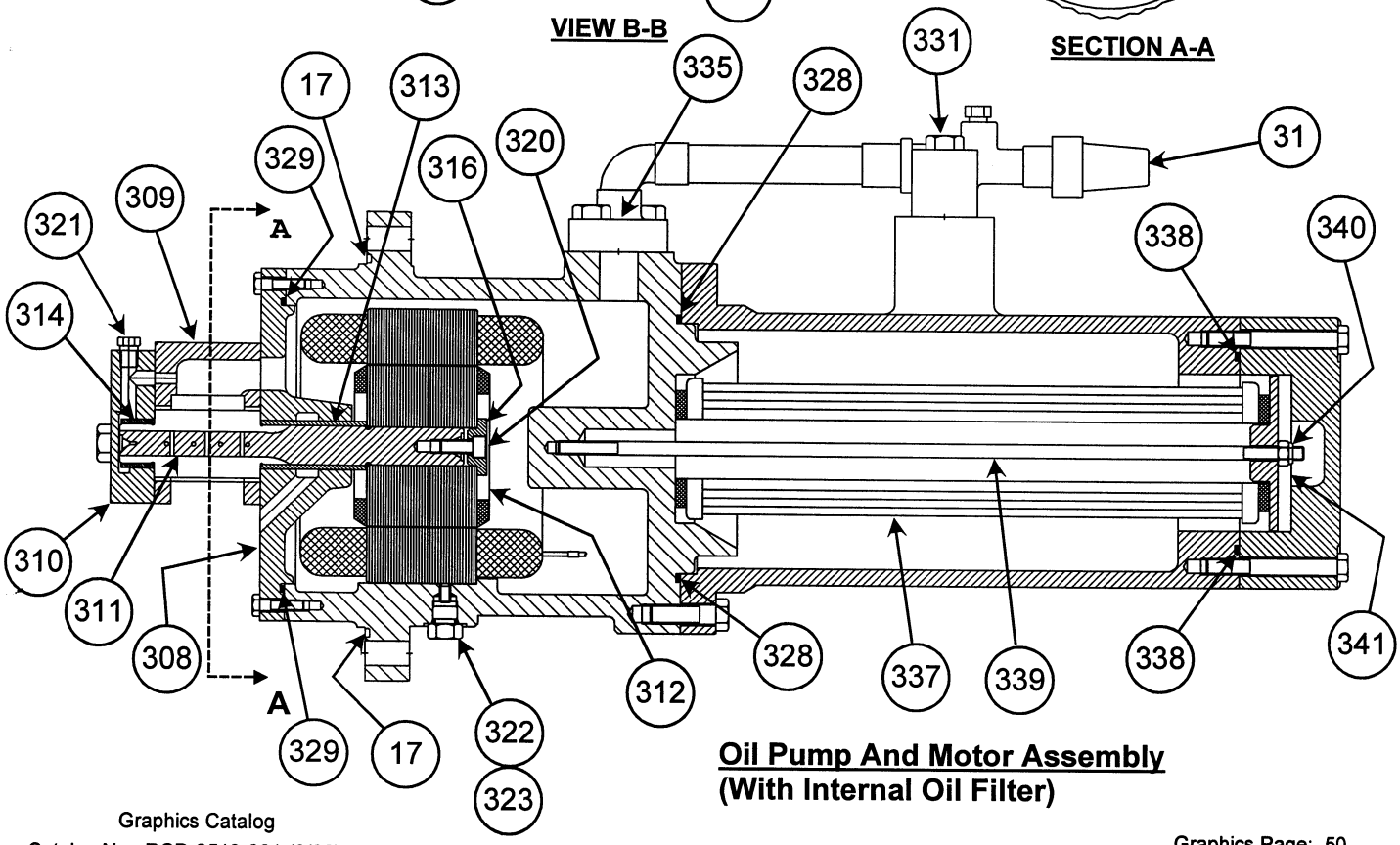
Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



VIEW B-B

SECTION A-A



Oil Pump And Motor Assembly
(With Internal Oil Filter)

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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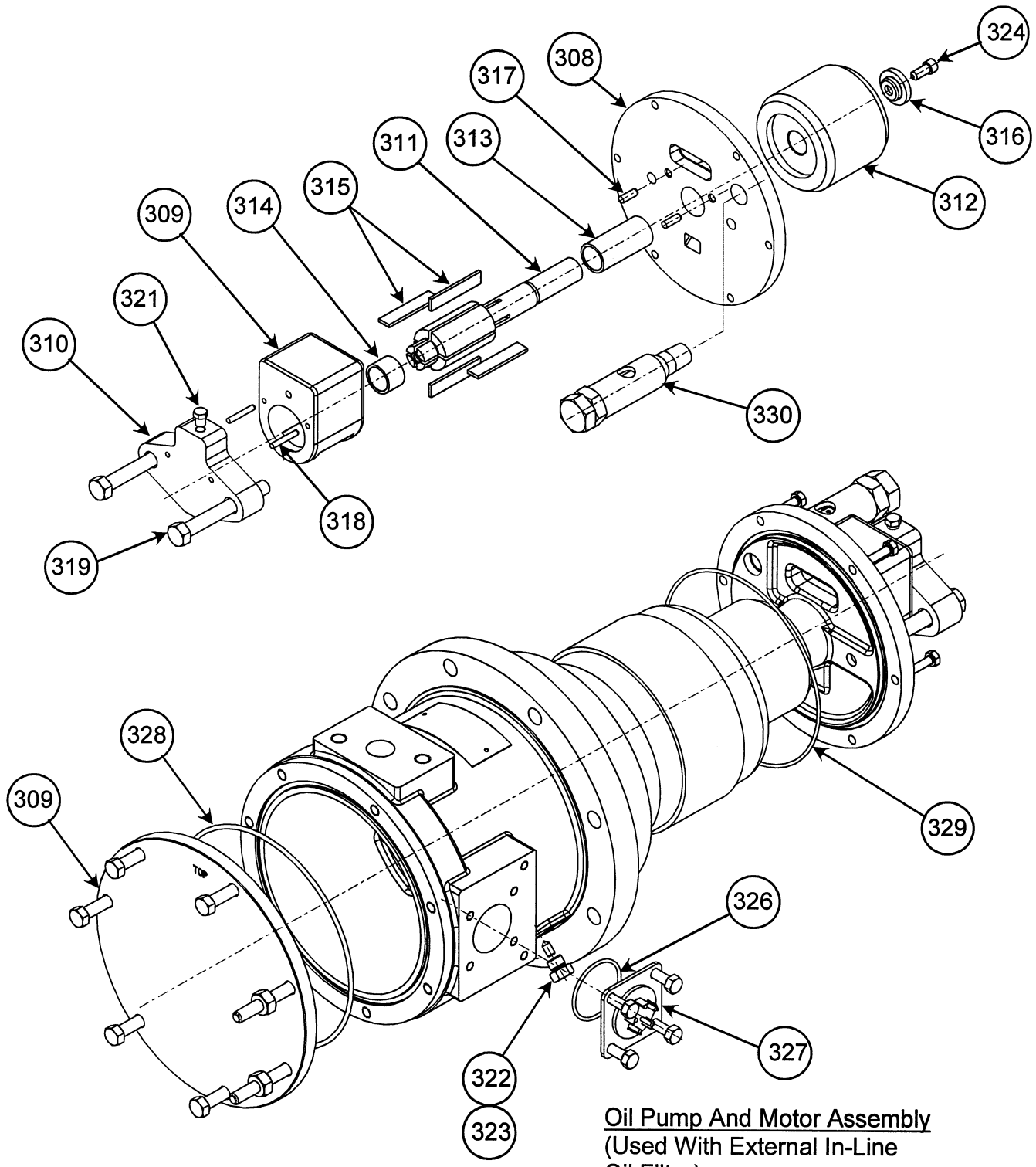
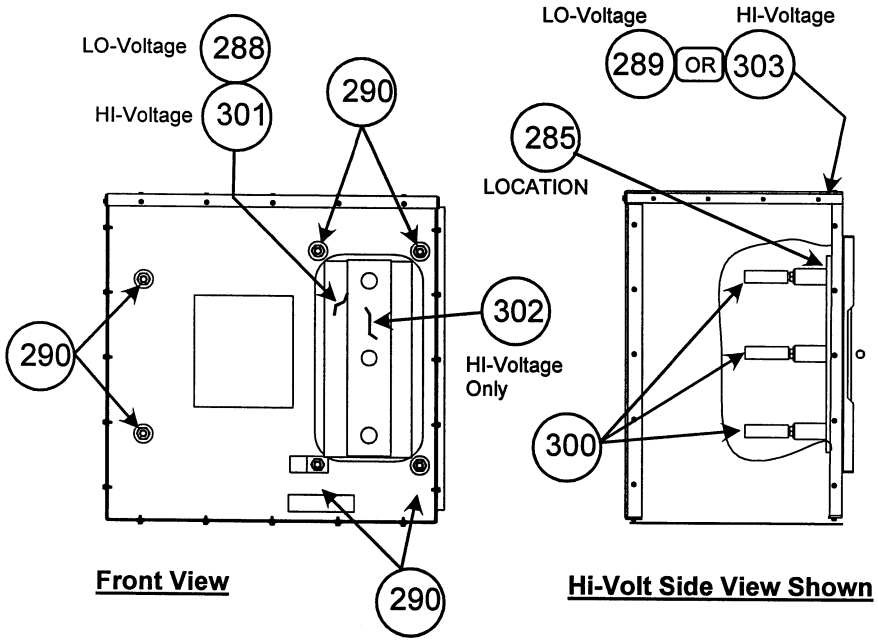
Litho in U.S.A

Electronic Graphics 19061050



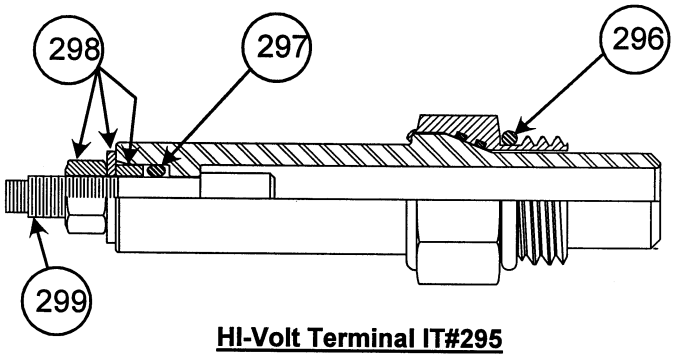
Oil Pump And Motor Assembly
(Used With External In-Line
Oil Filter)



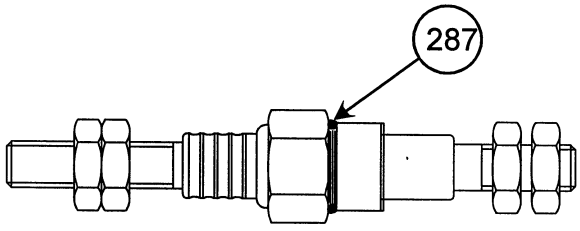
Front View

Hi-Volt Side View Shown

Compressor Terminal Box Assembly



HI-Volt Terminal IT#295

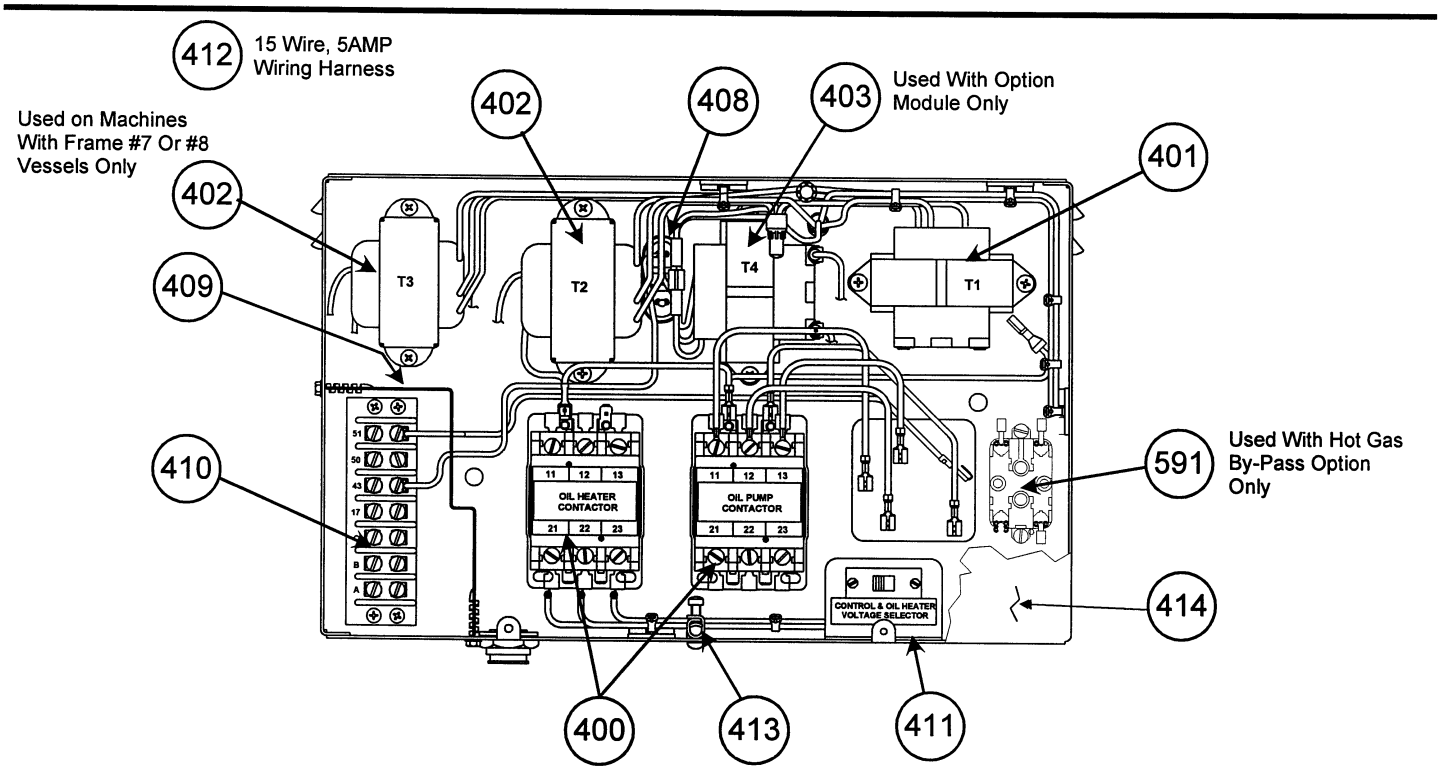


LO-Volt Terminal IT#286

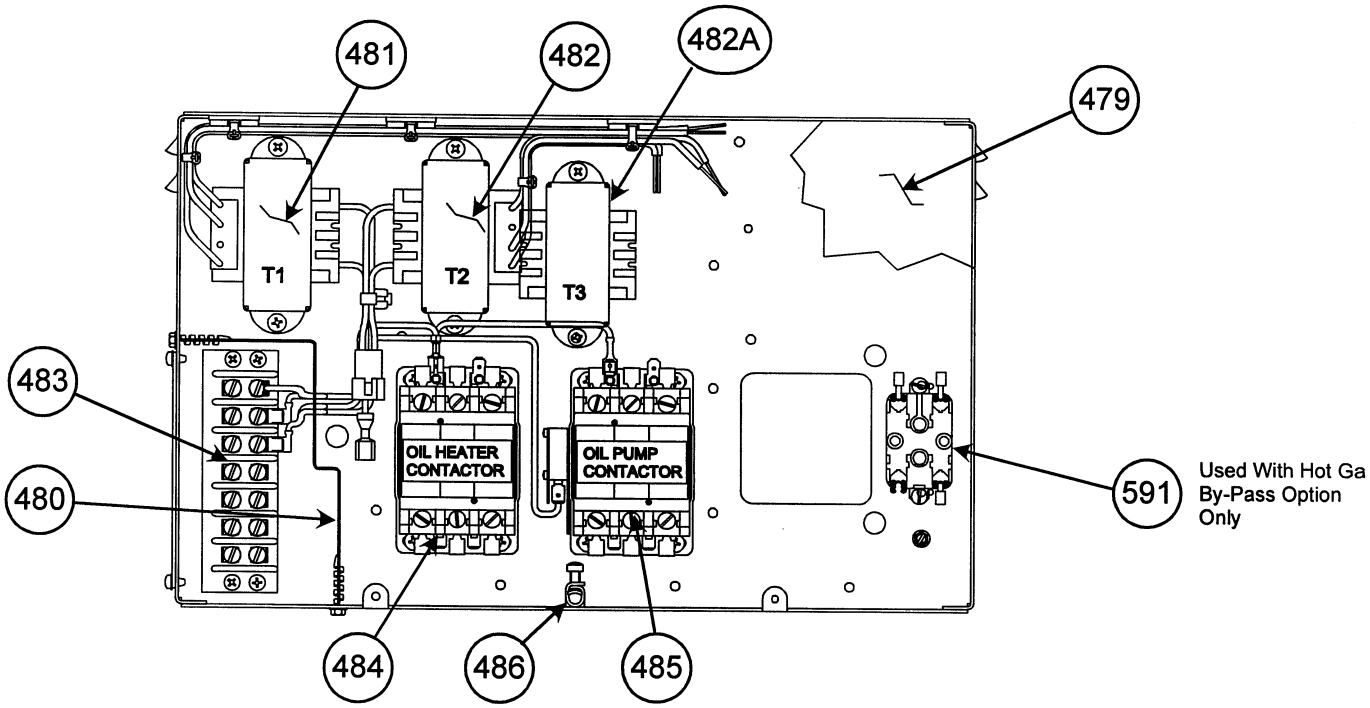
Replacement Components Division

HERMETIC CENTRIFUGAL LIQUID CHILLER (R134A) WITH PIC I OR PIC II CONTROLS

19XR



Power Panel For PIC I Machines



Power Panel For PIC II & PIC III Machines

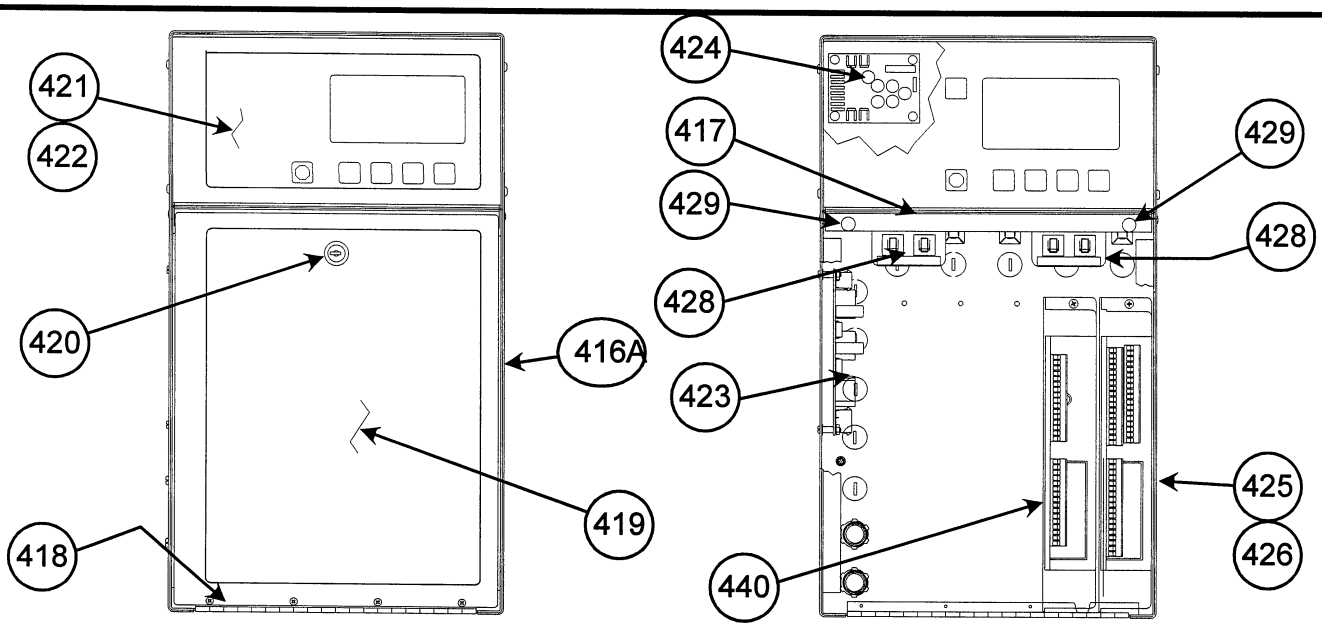
Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

Graphics Page: 53
Litho in U.S.A

Electronic Graphics 19061053

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

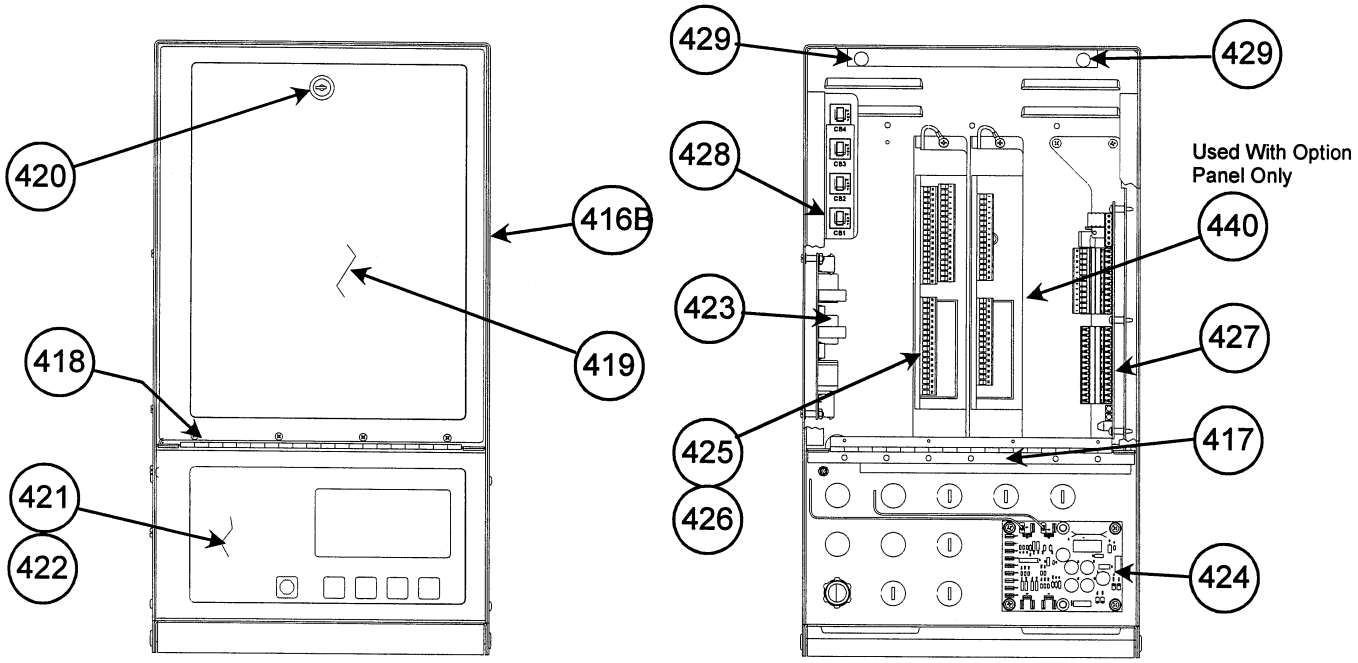
19XR



Usaed With Option Panel Only

Cable Assemblies Are Items 431 & 432

Control Panel For PIC I Machines With Frame #1, 2, 3, 4, 5 Or 6 Vessels



Cable Assemblies Are Items 431 & 432

Control Panel For PIC I Machines With Frame #7 Or 8 Vessels

Graphics Catalog
Catalog No: RCD-3519-061 (9/06) Rev. B
Supersedes: RCD-3519-061 Rev. A

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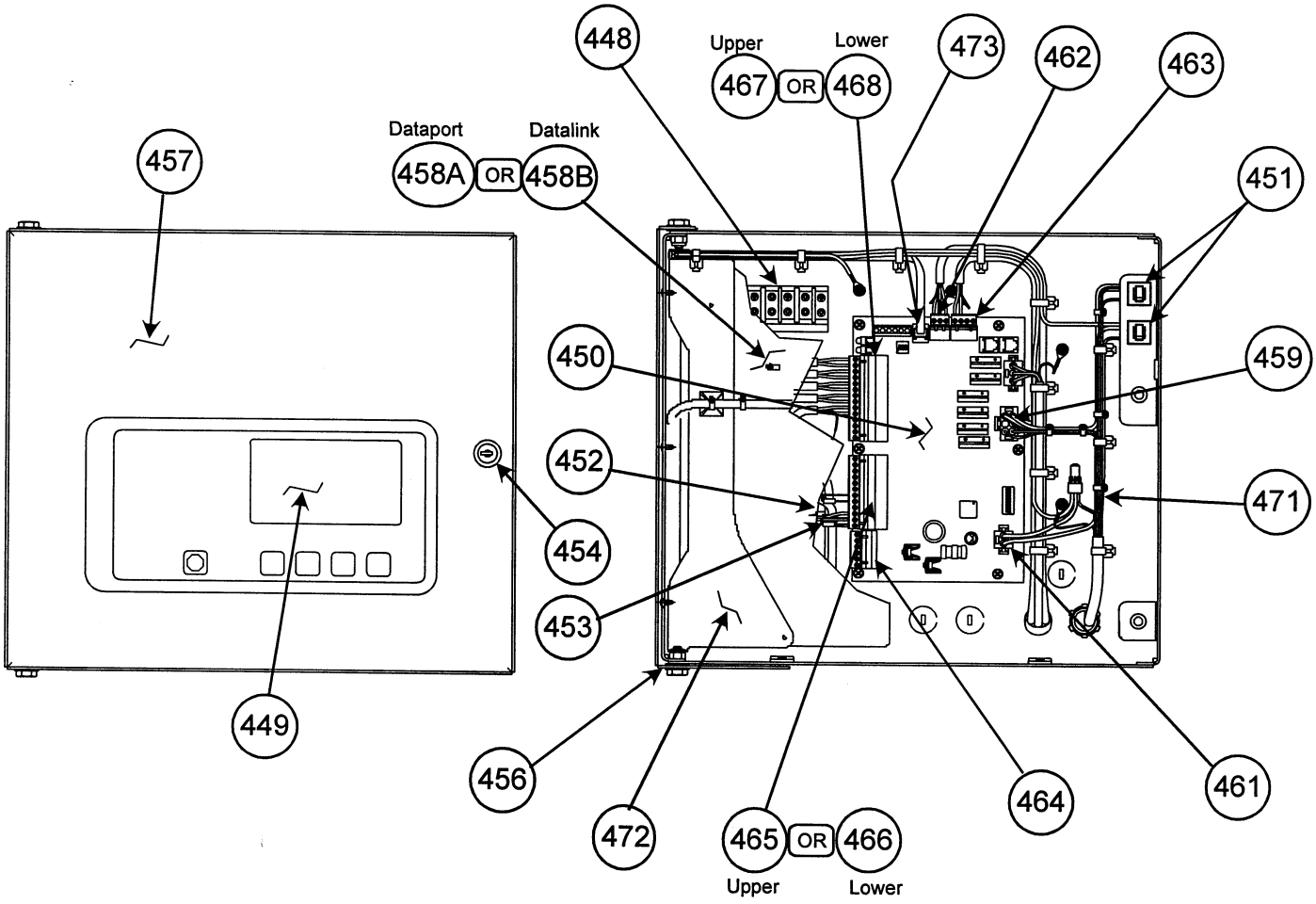
Litho in U.S.A

Electronic Graphics 19061054

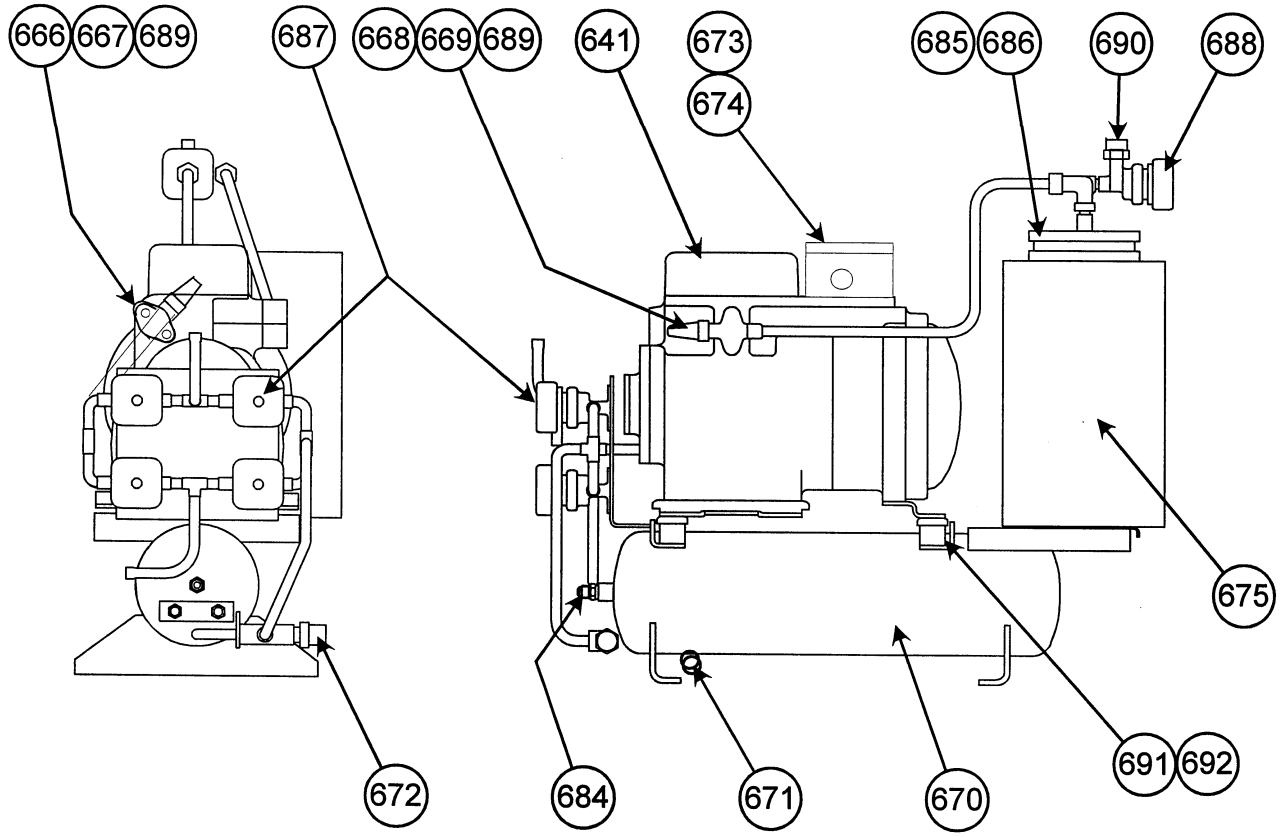
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

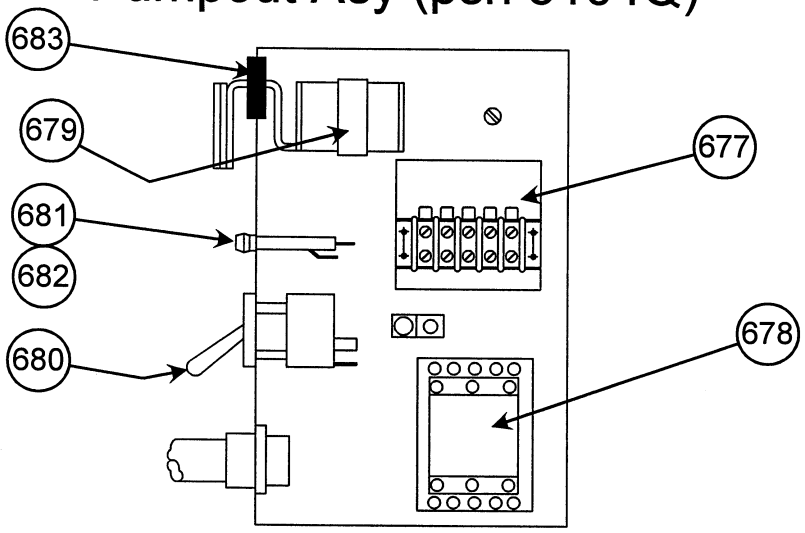
19XR



Control Panel For Machines With PIC II & PIC III Controls



Pumpout Asy (psn 5104Q)

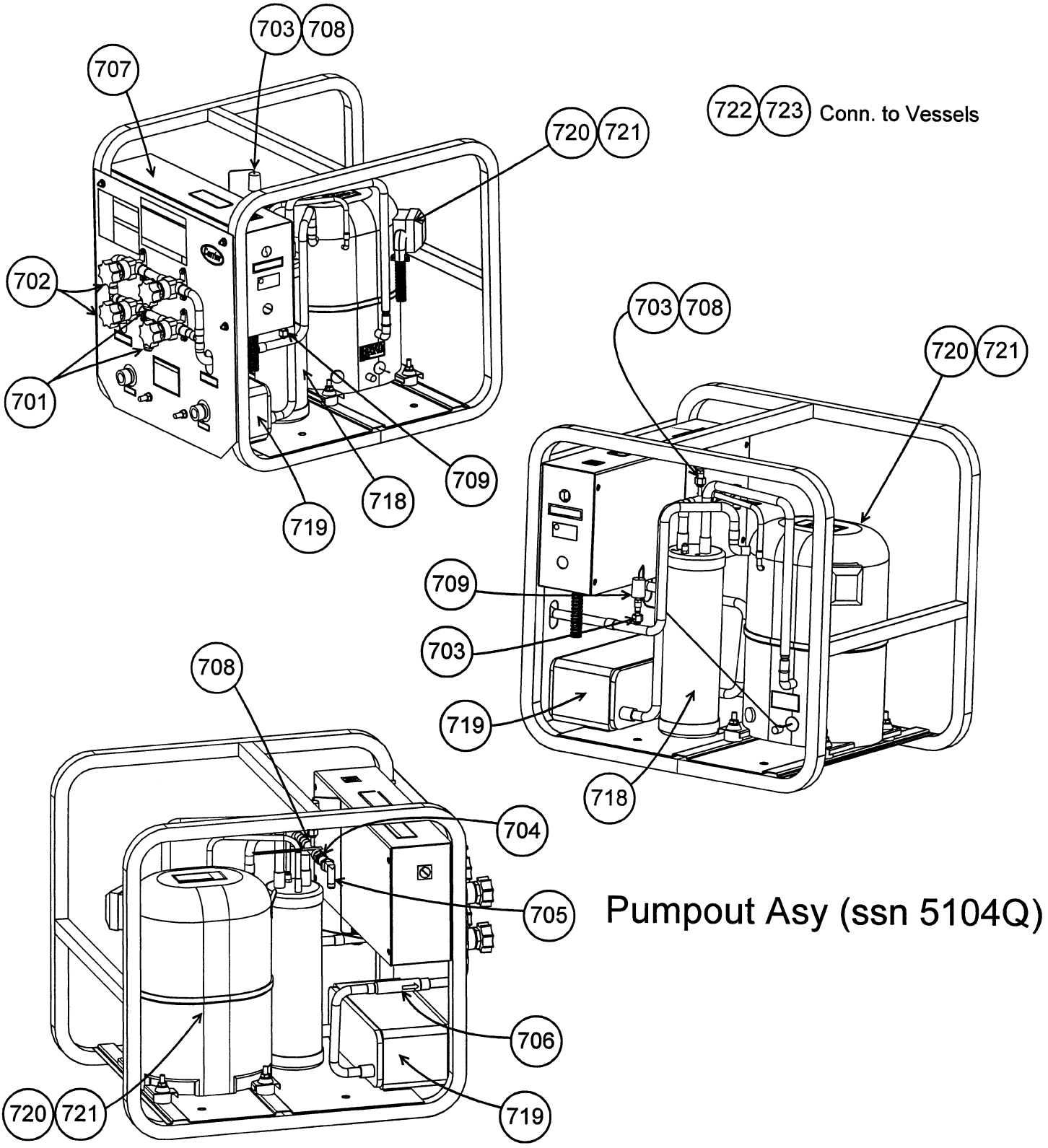


Pumpout Control Box

Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR



Pumpout Asy (ssn 5104Q)

Release Date: 9/06
Catalog No: RCD-3519-061 Revision: B
Supersedes: RCD-3519-061 Revision: A

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Litho in U.S.A

Electronic Graphics 19061057

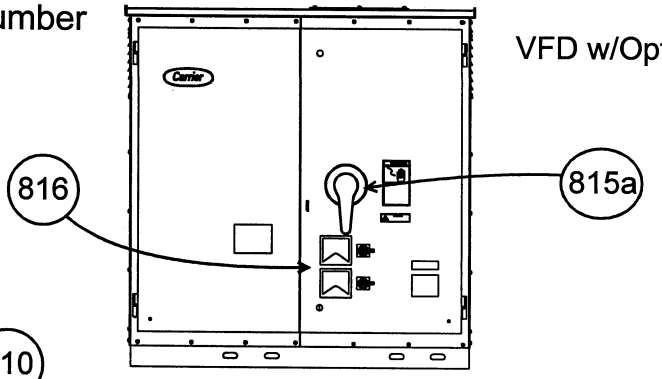
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

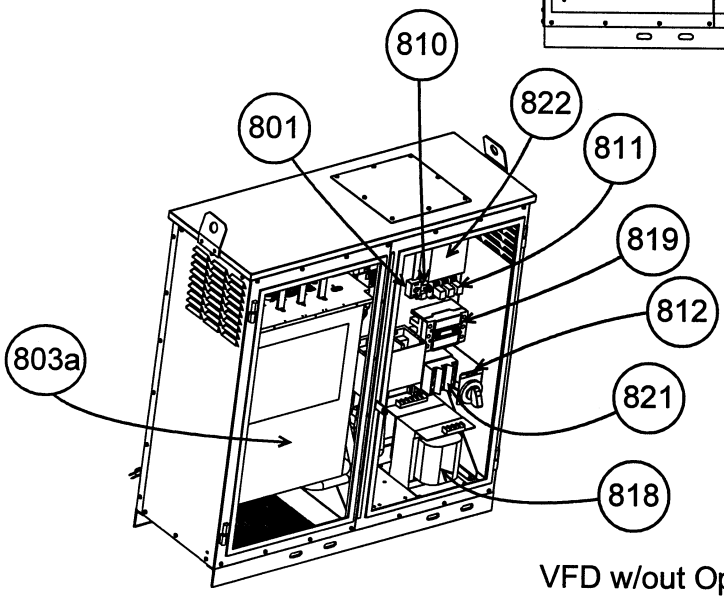
19XR

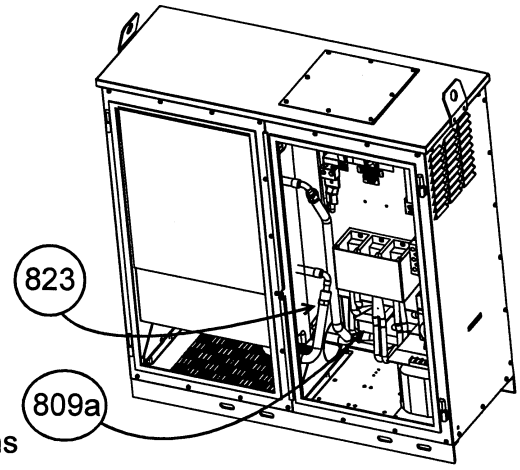
Liquid-Flo I (414 max amps)
Order Code/Assembly number
19XVR0414XXX

Note: PIC II Controls

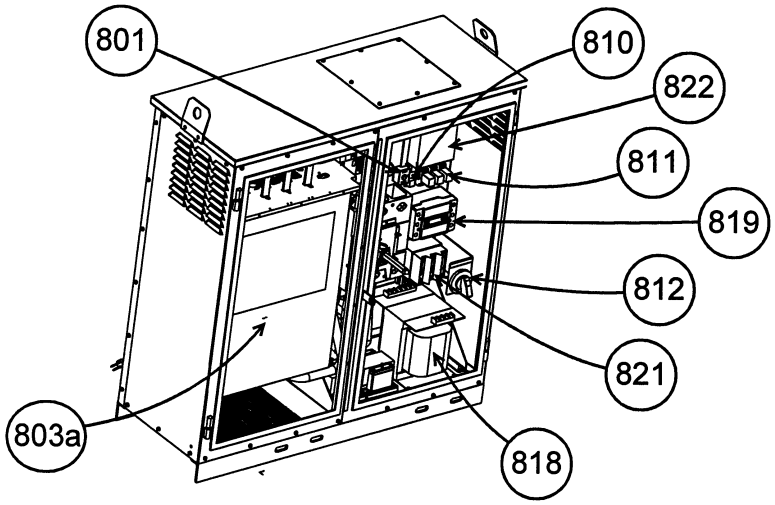


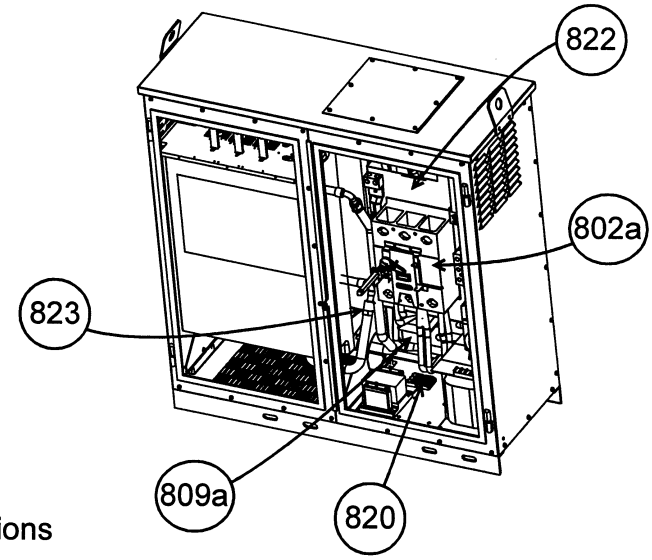
VFD w/Options Shown





VFD w/out Options





VFD w/Options

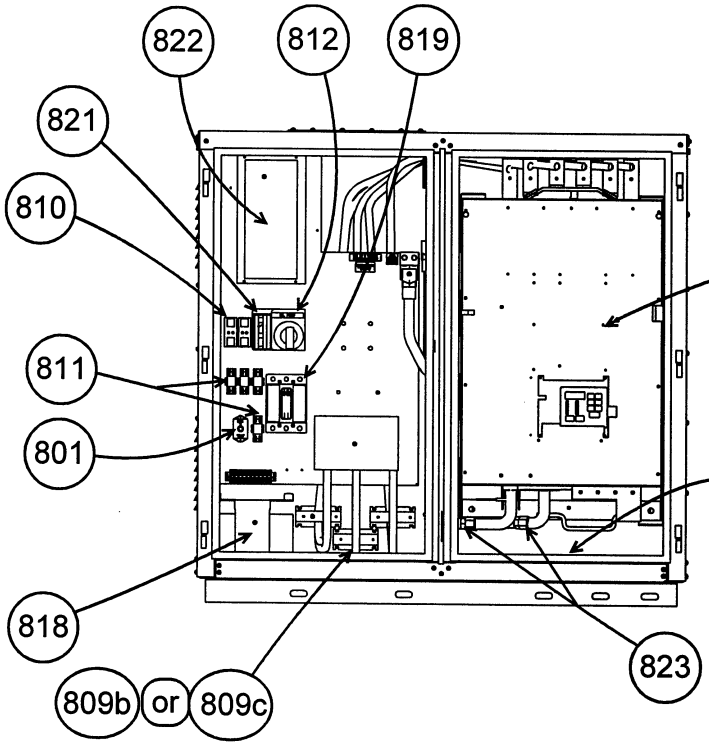
Replacement Components Division

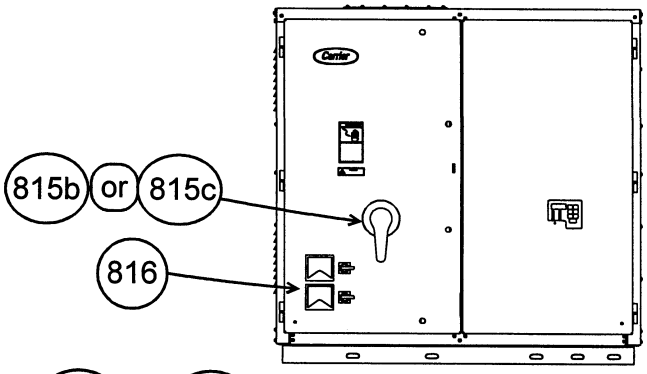
Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

Note: PIC II Controls

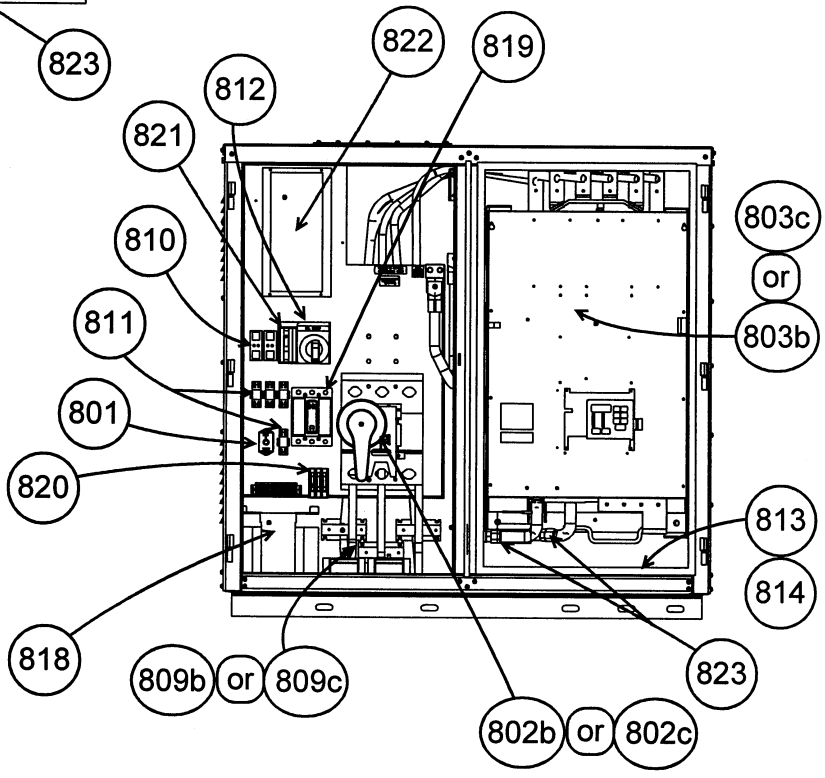
Liquid-Flo I (500 & 643 max amps)
Order Code/Assembly number
19XVR0500XXX & 19XVR643XXX





VFD w/Options Shown

Standard Package w/o Options



Circuit Breaker & Analog Meter Options

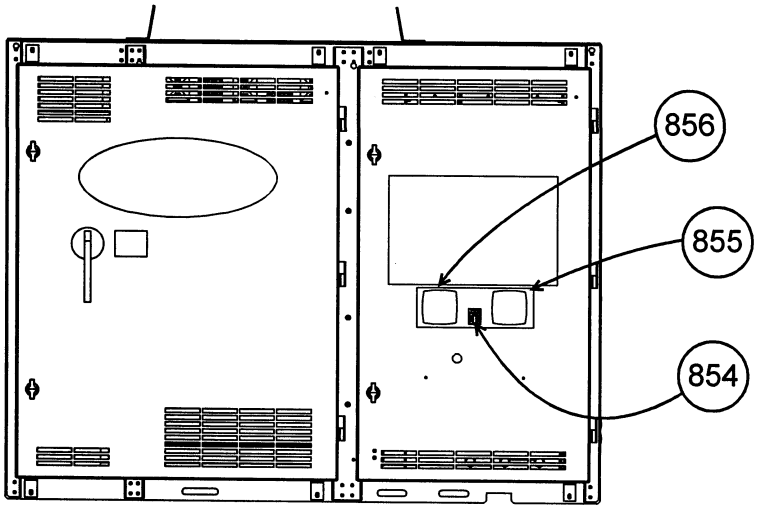
Replacement Components Division

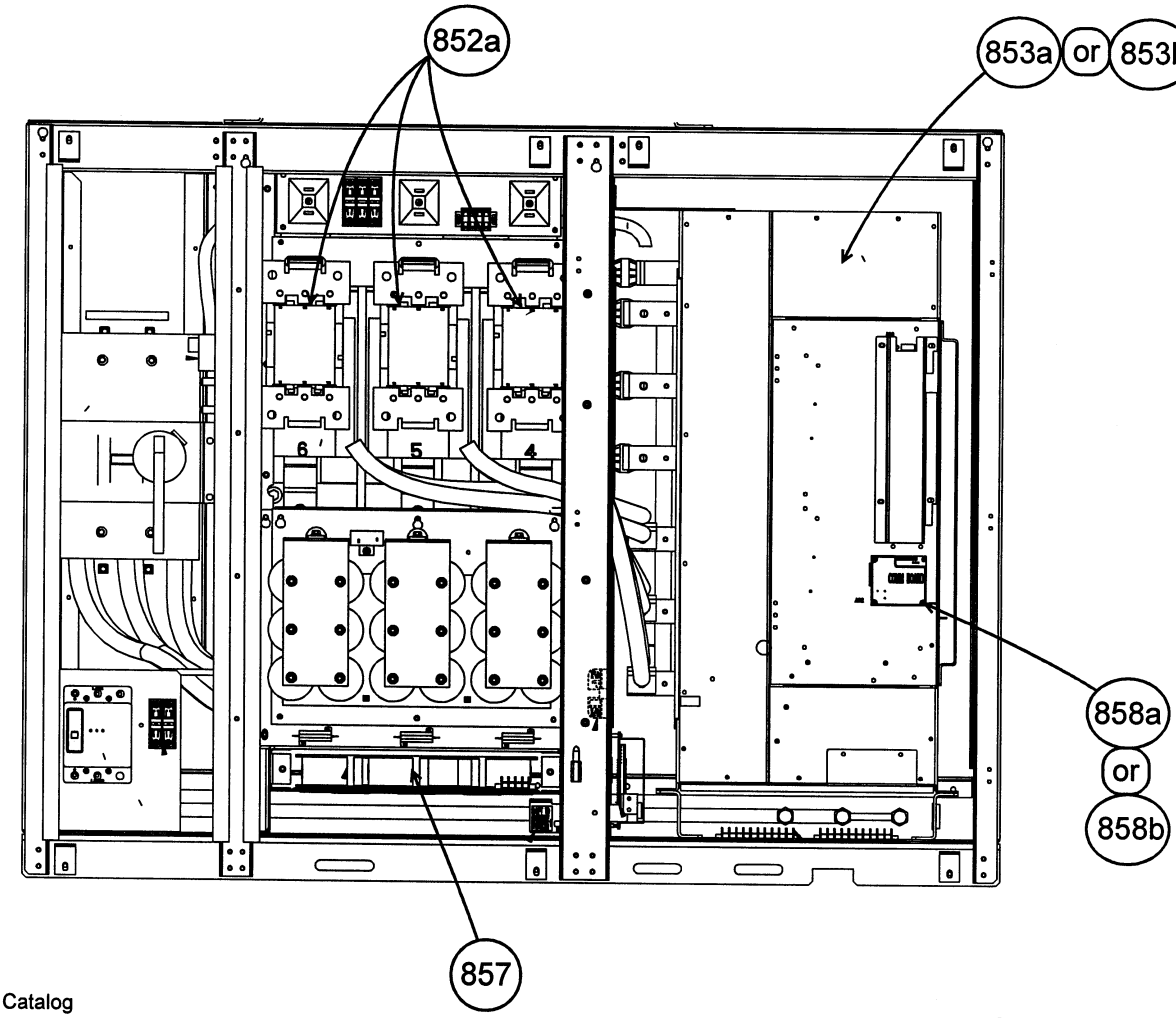
Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

Note: PIC III Controls

Liquid-Flo II
Order Code/Assembly number
19XVA2AAXXX & 19XVA2CCXXX





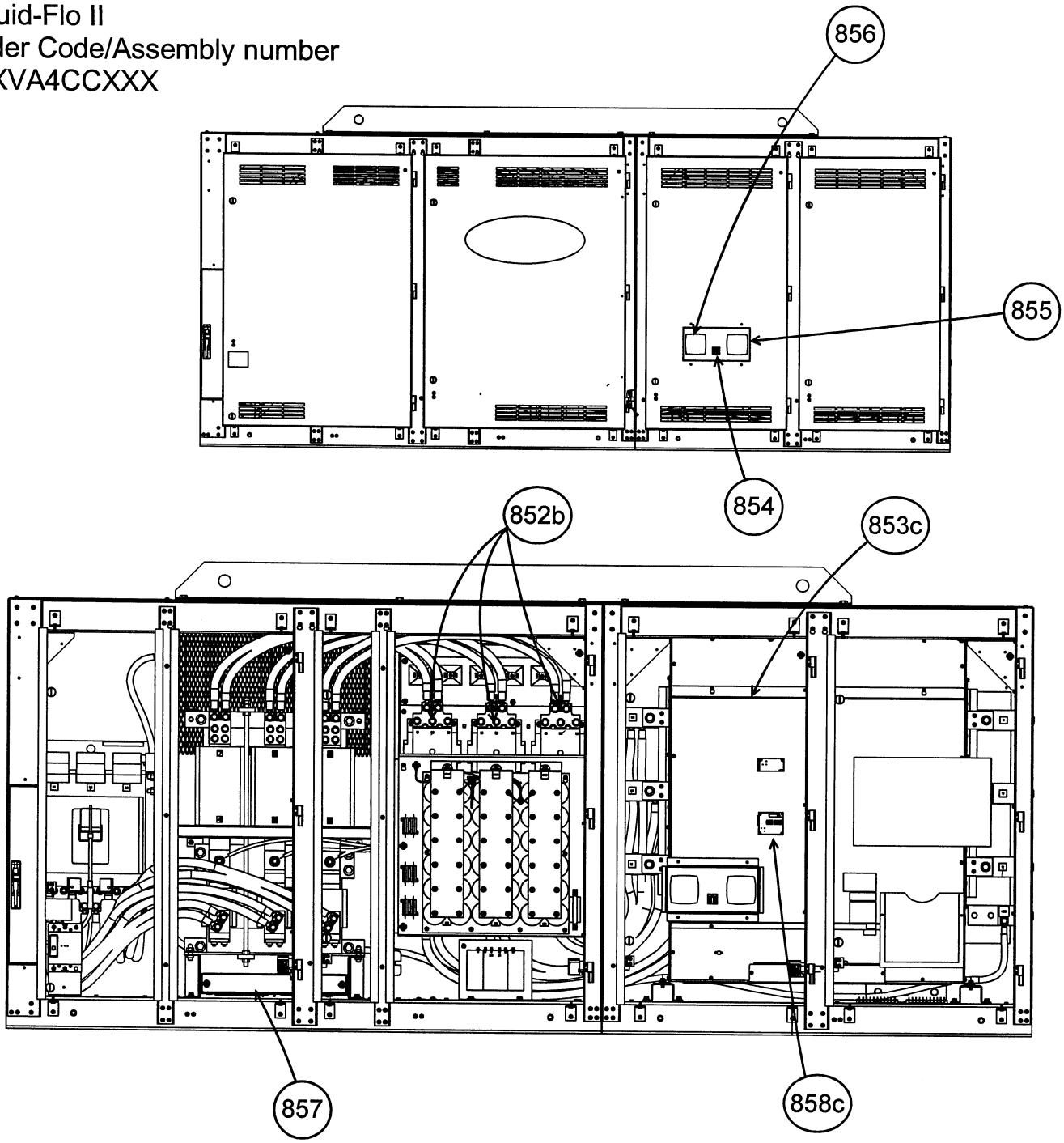
Replacement Components Division

Centrifugal Liquid Chiller (Includes 19XR & 19XRV Info.) PIC I, PIC II, PIC III Controls

19XR

Note: PIC III Controls

Liquid-Flo II
Order Code/Assembly number
19XVA4CCXXX



ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		Sales Package Notes:				
		19XR FR#2 = 19XR Machine With Frame #2 Compressor & With Frame 1,2,3				
		Coolers And Condensers.				
		19XR FR#3 = 19XR Machine With Frame #3 Compressor Without Roller				
		Element Bearings & With Frame #3,4,5 Coolers & Condensers.				
		19XR FR#3 REB = 19XR Machine With Frame #3 Compressor With Roller				
		Element Bearings & Frame #3,4,5 Coolers & Condensers.				
		19XR FR#4 = 19XR Machine With Frame #4 Compressor Without Split Ring				
		Diffuser & With Frame #5,6,7 Coolers & Condensers, Built				
		Prior To January 2002.				
		19XR FR#4 2002 = 19XR Machine With Frame #4 Compressor Without Split				
		Ring Diffuer & With Frame #5,6,7 Coolers & Condensers				
		Built After December 2001.				
		19XR FR#4 SRD = 19XR Machine With Frame #4 Compressor With Split Ring				
		Diffuser & With Frame #5,6,7 Coolers & Condensers.				
		19XR FR#5 = 19XR Machine With Frame #5 Compressor & With Frame #7,8				
		Coolers & Condensers.				
		COMPRESSOR GROUP				
1 A		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660026	X	X	
		Compressor Codes Used On: 201,221,231,241,251,261,271,281,291,202,222				
		232,242,252,262,272,282,292				
1 B		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660027	X	X	
		Compressor Codes Used On: 203,223,233,243,253,263,273,283,293,204,224				
		234,244,254,264,274,284,294,205,225,235,245				
		255,265,275,285,295				
1 C		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660027	X	X	
		Compressor Codes Used On: 206,226,236,246,256,266,276,286,296,207,227				
		237,247,257,267,277,287,297				
1 D		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660028	X	X	
		Compressor Codes Used On: 208,228,238,248,258,268,278,288,298				
1 E		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660028	X	X	
		Compressor Codes Used On: 209,229,239,249,259,269,279,289,299				
1 F		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	19XR660009	->	
		Compressor Codes Used On: 321,331,341,351,361,371,381,391,301,3ZZ,322				
		332,342,352,362,372,382,392,302				
1 G		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	19XR660010	->	
		Compressor Codes Used On: 323,333,343,353,363,373,383,324,334,344,354				
		364,374,384,325,335,345,355,365,375,385				
		Note: Outside Diameter Of This Labrinth Is 6.30". Laby's 1G And 1H Are				
		Size Dependent, Refer To Service Bulletin C9812 For More Info.				
1 H		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	19XR660034	->	
		Compressor Codes Used On: 323,333,343,353,363,373,383,393,303,324,334				
		344,354,364,374,384,394,304,325,335,345				
		355,365,375,385,395,305				
		Note: Outside Diameter Of This Labrinth Is 6.20". Laby's 1G And 1H Are				
		Size Dependent, Refer To Service Bulletin C9812 For More Info.				

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
1	I	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	19XR660011	->	
		Compressor Codes Used On: 326,336,346,356,366,376,386,396,306,327,337				
		347,357,367,377,387,397,307,328,338,348				
		358,368,378,388,398,308				
1	J	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	19XR660011	->	
		Compressor Codes Used On: 329,339,349,359,369				
1	K	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	19XR660012	->	
		Compressor Codes Used On: 379,389,399,309				
1	L	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	
		Compressor Codes Used On: 421,431,441,451,461,471,481,422,432,442,452				
		462,472,482,423,433,443,453,463,473,483				
		4B1,4C1,4D1,4E1,4F1,4G1,4H1,4B2,4C2,4D2,4E2				
		4F2,4G2,4H2,4B3,4C3,4D3,4E3,4F3,4G3,4H3,4J1				
		4K1,4H2,4J2,4K2,4J3,4K3,4L1,4L2,4L3,4M1,4M2				
		4M3.				
1	M	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	
		Compressor Codes Used On: 424,434,444,454,464,474,484,425,435,445,455				
		465,475,485,4B4,4C4,4D4,4E4,4F4,4G4,4H4,4B5				
		4C5,4D5,4E5,4F5,4G5,4H5,4J4,4K4,4J5,4K5,4L4				
		4L5,4M4,4M5.				
1	N	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	
		Compressor Codes Used On: 426,436,446,456,466,476,486,4B6,4C6,4D6,4E6				
		4F6,4G6,4H6,4J6,4K6,4L6,4M6.				
1	R	LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	
		Compressor Codes Used On: 427,437,447,457,467,477,487,428,438,448,458				
		468,478,488,429,439,449,459,469,479,489,4B7				
		4B8,4B9,4C7,4C8,4C9,4D7,4D8,4D9,4E7,4E8,4E9				
		4F7,4F8,4F9,4G7,4G8,4G9,4H7,4H8,4H9,4J7,4K7				
		4L7,4M7.				
1	S	LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 521,531,541				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2A.				
1	T	LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 501,551,561,571,581,591,502,522,532,542				
		552,562,572,582,592,523,533,543				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2B.				
1	U	LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 503,553,563,573,583,593				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2C.				
1	V	LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 504,524,534,544,554,564,574,584,594,525,535				
		And 545				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2D.				
1	W	LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 505,555,565,575,585,595,506,526,536				

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
		546,556,566,576,586,596,527,537,547				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2E.				
1 X		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 507,557,567,577,587,597,508,528,538,548,558				
		568,578,588,598,509,529,539,549,559,569,579				
		589,599				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2F.				
2		PIN PLUG (ALUM)(INCL. IN ITEM #1)	AX17VP025	->	->	
2 A		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 521,531,541				
		For Machines Built After s/n 0102QXXXXX See Item 1S.				
2 B		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 501,551,561,571,581,591,502,522,532,542				
		552,562,572,582,592,523,533,543				
		For Machines Built After s/n 0102QXXXXX See Item 1T.				
2 C		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 503,553,563,573,583,593				
		For Machines Built After s/n 0102QXXXXX See Item 1U.				
2 D		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 504,524,534,544,554,564,574,584,594,525,535				
		And 545				
		For Machines Built After s/n 0102QXXXXX See Item 1V.				
2 E		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 505,555,565,575,585,595,506,526,536,546,556				
		566,576,586,596,527,537,547				
		For Machines Built After s/n 0102QXXXXX See Item 1W.				
2 F		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	
		Compressor Codes Used On: 507,557,567,577,587,597,508,528,538,548,558				
		568,578,588,598,509,529,539,549,559,569,579				
		589,599				
		For Machines Built After s/n 0102QXXXXX See Item 1X.				
3		SPACER,IMPELLER	02XR25001601	02XB35006801	->	
4		KEY,IMPELLER	(2) 02XR25003101	(2) 02XR35005701	(2) ->	
4 A		KEY,IMPELLER (SMALL DIA. SHAFT)	X	X	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
4 B		KEY,IMPELLER (LARGE DIA. SHAFT)	X	X	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
5		SHIM,IMPELLER	02XR25001701	X	02XR35003701	
5 A		SHIM,IMPELLER (SMALL DIA. SHAFT)	X	02XR35003701	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
5 B		SHIM,IMPELLER (LARGE DIA. SHAFT)	X	02XR35008601	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
6		WASHER,IMPELLER	AU04AQ331	X	X	
6 A		WASHER,IMPELLER (SMALL DIA. SHAFT)	X	02XB05002701	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
6 B		WASHER,IMPELLER (LARGE DIA. SHAFT)	X	02XB05002702	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
7		WASHER,HARD	(8) 02XR05001901	(5) AU04AQ301	(5) AU04AV301	
8		WASHER,SEALING	X	(6) AU52NA131	(6) ->	
9		"O" RING (22" DIA)	X	X	X	
		Note: "O" Ring Groove Must Be Measured To Determine Proper Size.				
10		"O" RING (24" DIA)	X	X	X	
		Note: "O" Ring Groove Must Be Measured To Determine Proper Size.				
11		"O" RING (MOTOR COVER)	KK71EW467	KK71EW471	->	
12		"O" RING (MTR HSG/TRANS)	(2) KK71EW467	(2) KK71EW469	(2) ->	
13		"O" RING (DIFFUSER/BASE)	KK71EU071	KK71EW463	->	
14		"O" RING (OUTER DIFF)	KK71EW462	KK71EW469	->	
15		"O" RING (INNER DIFF)	KK71EW447	KK71EW449	->	
16		"O" RING (SUCT HSG)	KK71EW466	KK71EW471	KK71EW472	
17		"O" RING (OIL PUMP)	KK71EW268	->	->	
18		"O" RING (LABY GAS)	KK71EW116	KK71EW015	X	
19		"O" RING (LABY/TRANS)	KK71EW263	->	->	
20		"O" RING (OIL COOL)	KK71EW223	->	X	
21		"O" RING (COOLING OIL LINE)	X	X	X	
22		"O" RING (OIL HEATER)	KK71EW429	X	X	
23		NOSE PIECE	02XR25005301	X	02XR35008701	
23 A		NOSE PIECE (SMALL DIA. SHAFT)	X	02XR35000701	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
23 B		NOSE PIECE (LARGE DIA. SHAFT)	X	02XR35008701	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
23 C		NOSE PIECE (PSN 0102QXXXXX)	X	X	X	
23 D		NOSE PIECE (SSN 0102QXXXXX)	X	X	X	
24		"O" RING (EQUAL LINE)	KK71EW223	(2) KK71EW229	(2) ->	
25		FLANGE (2-BOLT,O-RING KK71EW223)	DK24CA727	X	X	
26		FLANGE (4-BOLT,O-RING KK71EW229)	DK16CB302	->	DK16CA250	
27		"O" RING (EQUAL LINE)	KK71EW229	X	X	
28		FLANGE (4-BOLT,O-RING KK71EW229)	X	X	02XR05005301	
29		ROLL PIN	(2) AX14CA064	X	(2) AX14CA064	
29 A		ROLL PIN (SMALL DIA. SHAFT)	X	(2) AX14CA096	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
29 B		ROLL PIN (LARGE DIA. SHAFT)	X	(2) AX14CA064	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
30		CAP SCREW,IMPELLER	AA44AA234	X	AA03AA268	
30 A		CAP SCREW,IMPELLER(SMALL DIA. SHAFT)	X	AA44AA237	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
30 B		CAP SCREW,IMPELLER(LARGE DIA. SHAFT)	X	AA44AA269	X	
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
31		VALVE,SHUT-OFF	EN07AA285	->	X	
32		SEGMENT ASSEMBLY	(4) 02XR24002001	X	X	
33 A		SEGMENT ASSEMBLY (321 - 359 COMPR.)	X	02XR34001301	->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
33 B		SEGMENT ASSEMBLY (361 - 389 COMPR.)	X	(4) 02XR34001301	(4) ->	
34		SEGMENT ASSEMBLY	X	X	X	
35		PLUG,O-RING SEAL (SEGMENT ASY'S)	(8) CA64AM225	(8) ->	(8) ->	
		Includes: Item #36.				
36	N	"O" RING,PLUG SEAL	KK71EW910	->	->	
37		ELL CONNECTOR(3/4 X 3/8 FLX1 1/16-12	02XR25005701	X	X	
		Includes: Item #38.				
38		"O" RING,ELL CONNECTOR	KK71EW912	X	X	
39		COUPLING,MOTOR COOLING	X	X	(2) DE08DA101	
40		SIGHT GLASS	(3) KM36BS162	(3) ->	(3) ->	
		Includes: Item #41.				
41		"O" RING,SIGHT GLASS	KK71EW920	->	->	
42		DEMISTER ASSEMBLY	02XR24000401	02XR34003301	02XR04001101	
		Includes: Items #43 - 54.				
42 A		DEMISTER ASSEMBLY (SSN 1504Q)	02XR04001101	X	X	
		Includes: Items #44 - 54a				
42 B		DEMISTER ASSEMBLY (SSN 2704Q)	X	X	X	
43		HOUSING,DEMISTER	02XR24000301	02XR34003201	X	
44		SUPPORT,DEMISTER	02XR25002501	X	02XR25002501	
45		FILTER,DEMISTER	02XR25002601	02XR35007301	02XR05006501	
45 A		FILTER,DEMISTER (SSN 1504Q)	02XR05006501	X	X	
45 B		FILTER,DEMISTER (SSN 2704Q)	X	X	X	
46		SUPPORT,DEMISTER	02XR25002501	02XR35007401	X	
47		COVER,DEMISTER	02XR05005801	X	02XR05005801	
48		SUPPORT,DEMISTER	02XR25002701	02XR35007201	X	
49		COVER,DEMISTER	02XR05005901	X	02XR05005901	
50		SUPPORT,DEMISTER	X	02XR35007601	X	
51		SUPPORT,DEMISTER PLATE	02XR05006001	X	02XR05006001	
52		SPACER	(2) 02XB35003802	(2) 02XB35003801	(2) ->	
52 A		SPACER (SSN 1504Q)	02XB35003801	X	X	
53		FILTER,DEMISTER (NOTCHED)	02XR25002602	02XR35007501	02XR05006502	
53 A		FILTER,DEMISTER (NOTCHED)(SSN 1504	02XR05006502	X	X	
53 B		FILTER,DEMISTER(NOTCHED)(SSN 2704Q	X	X	X	
54		SPEED NUT	(2) AS01XD180	(2) ->	(2) AA06BR209	
54 A		SPEED NUT (SSN 1504Q)	AA06BR209	X	X	
55		OIL HEATER INFORMATION	SEE NOTE	->	->	
		Note: For Some Frame #3 And Frame #4 Compressors Built Between 12/01				
		And 6/02 A Line Voltage Oil Heater Was Installed. Contact RCD				
		With Machine Serial For Proper Oil Heater Selection.				
		Or Refer To IT#34 On Job Data Label For Heater Part Number.				
55 A		OIL HEATER (115 VOLT)	02XR05001801	02XR35008201	->	
55 B		OIL HEATER (380-416 VOLT) (WHITE)	X	X	02XR35011201	
55 C		OIL HEATER (440-480 VOLT) (BLUE)	X	X	02XR35011202	
55 D		OIL HEATER (346 VOLT) (YELLOW)	X	X	02XR35011203	
55 E		OIL HEATER (575 VOLT) (RED)	X	X	02XR35011204	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
55 F		OIL HEATER (200-220 VOLT) (BLACK)	X	X	02XR35011205	
55 G		OIL HEATER (230-240 VOLT) (GRAY)	X	X	02XR35011206	
56		SEAL WASHER (INSIDE)	X	AU29AB561	->	
57		BRACKET,HEATER SUPPORT	X	02XR35008301	->	
58		EXTERNAL RING,BOX (OIL HEATER)	X	HX22FB052	->	
59		COVER,BOX (OIL HEATER)	HX02FB050	->	->	
60	N	MOTOR TEMP SENSOR (WITH REWIND ONLY)	(2) 32MP500354	(2) ->	(2) ->	
61		HERMETIC TERM.(THRUST/MTR SENSOR)	(2) HY85FP022	(2) ->	(2) ->	
62		COVER,BOX (THRUST/MOTOR SENSORS)	(2) HX08FZ050	(2) ->	(2) ->	
63		BOX EXTENSION (THRUST/MTR SENSOR)	(2) HX22FS036	(2) ->	(2) ->	
64		THRUST SENSOR ASSEMBLY	19XB04005301	->	02XR34012201	
		Includes: Item #65.				
65		SENSOR (1.38" BULB)	HH79NZ044	->	HH79NZ076	
66		MOTOR SPRAY NOZZLE	X	X	X	
67		MOTOR SPRAY NOZZLE	02XR24003601	02XT34000401	->	
68		ORIFICE,MOTOR SPRAY	02XR05002901	X	X	
69		"O" RING	KK71EW912	X	X	
70		COUPLING (3/4" TUBE)	X	X	DE08DA401	
71		MOTOR COOLING ORIFICE	02XB35035501	02XB35035502	02XR05003003	
71 A		MOTOR COOLING ORIFICE (3/8 NOM.)	X	X	X	
71 B		O-RING	X	X	X	
71 C		MOTOR COOLING ORIFICE (3/4 NOM.)	X	X	X	
71 D		O-RING	X	X	X	
71 E		MOTOR COOLING ORIFICE (0.109/0.104)	X	X	X	
71 F		O-RING	X	X	X	
71 G		MOTOR COOLING ORIFICE (0.156/0.151)	X	X	X	
71 H		O-RING	X	X	X	
71 J		MOTOR COOLING ORIFICE (0.255/0.250)	X	X	X	
71 K		O-RING	X	X	X	
71 L		CONNECTOR (3/4")	X	X	X	
72		CAP,FLARE 1/2"	(2) DD19DA201	(2) ->	(2) ->	
73		GASKET,FLARE 1/2"	(2) DD24FA151	(2) ->	(2) ->	
74		VALVE,OIL CHARGE (3/8"NPT)	EP23LA155	->	->	
75		FITTING,IMPELLER PRESS. TUBE	X	X	X	
76		VALVE,ANGLE	EP12BC272	->	X	
77		ROLL PIN (1/4"OD X 3/4"LG)	X	AX14CA168	->	
78		ROLL PIN,IMPELLER LABY	X	X	AZ17VP025	
79		POSITIONING WASHER (OIL HEATER)	X	02XR45006001	->	
80		ELBOW,90 DEG. SWIVEL	(3) DD41CA501	X	DD41CA501	
81		ELBOW,90 DEG. SWIVEL	DD41CA502	X	DD41CA502	
82		CONNECTOR,STR(1-1/16-12)	X	DC80SA032	->	
		Includes: Item #83.				
83		"O" RING,STR CONNECTOR	X	KK71EW912	->	
84		CONNECTOR,STR. (7/8 X 1-3/16-12)	X	X	DC80SA040	
		Includes: Item #85.				

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
85		"O" RING,STR CONNECTOR	X	X	KK71EW914	
86		COUPLING (3/4" NPT)(USED AFTER 12/01	DD07DA502	X	DD07DA502	
87		TRANSDUCER,PRESSURE	(2) HK05YZ007	(2) ->	(2) ->	
88		VALVE,SERVICE (SCHRADER)	(4) 06DA403844	(4) ->	(4) ->	
89		STR CONNECTOR(3/8 X 9/16-18)	02XB05000301	->	(3) ->	
		Includes: Item #90.				
90		"O" RING,STR CONNECTOR	KK71EW906	->	->	
91		ELL CONNECTOR(3/8 X 9/16-18)	(3) 02XB05000601	(2) ->	->	
		Includes: Item #92.				
92		"O" RING,ELL CONNECTOR	KK71EW906	->	->	
93		STRAINER (OIL RECLAIM)	KH11NG070	->	->	
94		EDUCTOR	02XB05002201	->	02XR05004303	
94 A		EDUCTOR (SSN 1504Q)	02XR05004302	X	X	
94 B		EDUCTOR (SSN 2704Q)	X	X	X	
95		ELBOW,SWIVEL (90 DEG.1/2")	DD41CA101	->	X	
96		STRAIGHT CONNECTOR (SHORT)	02XB05000501	->	->	
		Includes: Item #97.				
97		"O" RING,STR CONNECTOR (SHORT)	KK71EW912	->	->	
98		STR CONNECTOR(LONG)(3/4 X 1 1/16-12)	02XB05000201	->	->	
		Includes: Item #99.				
99		"O" RING,STR CONNECTOR	KK71EW912	->	->	
100		FITTING,IN-LINE STRAINER	02XB05001001	02XR35006901	->	
		Includes: Item #101.				
100 A		FITTING,IN-LINE STRAINER	02XR35006901	X	X	
101		"O" RING,STRAINER FITTING	KK71EW906	->	->	
101 A		COUPLING,RECLAIM SUCTION LINE	X	X	X	
102		SIGHTGLASS (3/8 FL)	KH43AG002	->	->	
103		EXPANSION VALVE	(2) 02XR05000101	(2) ->	02XR05004001	
103 A		EXPANSION VALVE (SSN 1504Q)	02XR05006701	X	X	
103 B		EXPANSION VALVE (SSN 2704Q)	X	X	X	
104		HIGH DISCHARGE CUTOUT SWITCH	HK02ZA165	->	(2) ->	
106		TEMPERATURE SENSOR	X	X	X	
106 A		PLUG,O-RING SEAL (9/16-18)	CA63JM101	X	X	
		Includes: Item #106b				
106 B		"O" RING,PLUG SEAL	KK71EW906	X	X	
107		PLUG,O-RING SEAL (7/16-20)	(2) CA64AM125	X	(2) CA64AM125	
		Includes: Item #108.				
108		"O" RING,PLUG SEAL	KK71EW904	X	KK71EW904	
109		SEAL HOUSING ASY (DIFFUSER DRIVE)	X	X	X	
		Includes: Items #110 - 120.				
109 A		SEAL HSG ASY(DIFF. DRIVE)(PSN 2704Q)	X	X	X	
109 B		SEAL HSG ASY(DIFF. DRIVE)(SSN 2704Q)	X	X	X	
110		SEAL RETAINER & BEARING ASY	X	X	X	
110 A		SEAL HOUSING (PSN 2704Q)	X	X	X	
110 B		SEAL HOUSING (SSN 2704Q)	X	X	X	

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR GROUP				
111		"O" RING	X	X	X	
112		BUSHING	X	X	X	
113		"O" RING	X	X	X	
114		PINION & SHAFT	X	X	X	
114 A		PINION & SHAFT (PSN 2704Q)	X	X	X	
114 B		PINION & SHAFT (SSN 2704Q)	X	X	X	
115		PELLET	X	X	X	
116		WASHER,THRUST	X	X	X	
117		"O" RING	X	X	X	
118		"V" RING ASY	X	X	X	
119		"V" RING ASY	X	X	X	
120		BUSHING	X	X	X	
121		WHEEL ASY,VARIABLE DIFFUSER	X	X	X	
122		CAM LOCK,ROLLER	X	X	X	
123		GEAR RACK	X	X	X	
124		BRACKET,ACTUATOR SUPPORT	X	X	X	
125		MOTOR,ACTUATOR (VARIABLE DIFFUSER)	X	X	X	
126		POTENTIOMETER	X	X	X	
127		"O" RING (DIFFUSER/BASE)	X	X	X	
128		"O" RING (DIFFUSER DRIVE SEAL)	X	X	X	
129		MOUNTING RING	X	X	X	
130 A		COUPLING,JAW (PSN 2704Q)	X	X	X	
130 B		COUPLING,JAW (SSN 2704Q)	X	X	X	
131		GUARD,DIFFUSER CHAIN	X	X	X	
132		SPROCKET,DIFFUSER DRIVE	X	X	X	
133		SPROCKET,DIFFUSER MOTOR	X	X	X	
134		CHAIN,DIFFUSER DRIVE	X	X	X	
135		SUPPORT FOOT,DIFFUSER	X	X	X	
136		POINTER	X	X	X	
137		CONNECTOR,STRAIGHT (3/4 X 1-1/16-12)	X	X	02XR05009401	
138		"O" RING	X	X	KK71EW912	
		COMPRESSOR TRANSMISSION ASSEMBLY				
200		BEARING,DRIVE END LO-SPEED	02XR25003301	02XR35017401	->	
201		COVER,HI-SPEED OIL CATCHER	02XR25004101	02XR35002801	X	
202		COVER,LO-SPEED OIL CATCHER	02XR25004001	02XR35002501	->	
203		BEARING,COMPR. END LO-SPEED	02XR25003401	02XR35002301	->	
204		BEARING,DRIVE END HI-SPEED	02XR25003501	02XR35002401	02XR35014901	
205		SHAFT LABYRINTH,LO-SPEED	X	X	X	
206		SHAFT LABYRINTH,LO-SPEED (SEE NOTE)	02XR24000101	02XR35003101	X	
		For Proper Selection Refer To Chart 1A Or 1B On Graphic Page 19061004.				
207		SHAFT LABYRINTH,LO-SPEED (SEE NOTE)	02XR25006801	02XR34003801	02XR34003804	
		For Proper Selection Refer To Chart 1A Or 1B On Graphic Page 19061004.				
208		SHAFT LABYRINTH,LO-SPEED (SEE NOTE)	X	02XR34003804	02XR34013301	
		For Proper Selection Refer To Chart 1A Or 1B On Graphic Page 19061004.				
209 A		ROTOR & LO-SPEED GEAR ASY (60HZ)	PER MACHINE	->	02XR34012501	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		COMPRESSOR TRANSMISSION ASSEMBLY				
		Includes: Items #210 - 212.				
209	B	ROTOR & LO-SPEED GEAR ASY (50HZ)	PER MACHINE	->	02XR34012502	
		Includes: Items #210 - 212.				
210	A	GEAR,LO-SPEED (60HZ)	02XR25003001	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	B	GEAR,LO-SPEED (50HZ)	02XR25003002	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	C	GEAR,LO-SPEED (60HZ)	02XR25006901	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	D	GEAR,LO-SPEED (50HZ)	02XR25006902	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	E	GEAR,LO-SPEED (60HZ)	02XR25008501	02XR35002901	02XR35015401	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	F	GEAR,LO-SPEED (50HZ)	02XR25008501	02XR35002902	02XR35015402	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
211		RING,RETAINING	X	02XR35003501	->	
211	A	RING,RETAINING	02XR35003501	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
211	B	RING,RETAINING	02XR25006701	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
211	C	RING,RETAINING	02XR35003501	X	X	
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
212		KEY	(2) 02XR25000601	(2) 02XR35003601	(2) ->	
213		SHROUD ASSEMBLY (SEE NOTE)	02XR24000201	02XR34000301	02XR34008201	
		Frame 2 Compr.Only! Use for Machines with Serial Number Prior to 1504Q				
213	A	SHROUD ASSEMBLY (SEE NOTE)	02XR24006101	X	X	
		Frame 2 Compr.Only! Use for Machines with Serial Number After 1504Q				
214		STRIPPER (GEAR OIL)	02XB35014401	->	X	
		THRUST BEARING ASSEMBLY				
215	A	HI-SPEED SHAFT ASY(60HZ)	02XR24007601	02XR34000201	X	
		Includes: Items #216 - 227.				
215	B	HI-SPEED SHAFT ASY(50HZ)	02XR24007602	02XR34000202	X	
		Includes: Items #216 - 227.				
215	C	HI-SPEED SHAFT ASY (60HZ) (PSN 0102Q	X	X	X	
		Includes: Items #216 - 227.				
215	D	HI-SPEED SHAFT ASY (50HZ) (PSN 0102Q	X	X	X	

CATALOG NO.: RCD-3519-061 REV. B
SUPERSEDES : RCD-3519-061 REV. A

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		THRUST BEARING ASSEMBLY				
		Includes: Items #216 - 227.				
215 E		HI-SPEED SHAFT ASY (60HZ) (SSN 0102Q	X	X	X	
		Includes: Items #216 - 227.				
215 F		HI-SPEED SHAFT ASY (50HZ) (SSN 0102Q	X	X	X	
		Includes: Items #216 - 227.				
216 A		IMPELLER SHAFT (60HZ)	02XR25008601	02XR35008401	X	
		Important! For Frame #3 And #4 Compr. Only, Refer To Impeller Shaft				
		Selection Chart #1 On Graphic 19061004 And Bulletin C9921.				
216 B		IMPELLER SHAFT (50HZ)	02XR25008602	02XR35008402	X	
		Important! For Frame #3 And #4 Compr. Only, Refer To Impeller Shaft				
		Selection Chart #1 On Graphic 19061004 And Bulletin C9921.				
216 C		IMPELLER SHAFT (60HZ) (PSN 0102Q)	X	X	X	
216 D		IMPELLER SHAFT (50HZ) (PSN 0102Q)	X	X	X	
216 E		IMPELLER SHAFT (60HZ) (SSN 0102Q)	X	X	X	
216 F		IMPELLER SHAFT (50HZ) (SSN 0102Q)	X	X	X	
217		SLINGER	02XR25000801	02XB35016301	X	
218		THRUST BEARING ASSEMBLY	19XR660031	19XR660013	X	
		Includes: Item #219.				
219		ROLL PIN	(12) AX14CA035	(12) ->	X	
220		THRUST SHOE ASSEMBLY (SET OF 6)	19DA13203	02XR44000601	X	
221		SPACER RING	02XR25001001	02XR45003901	X	
222		SEAL RING	02XR25001501	02XR45004101	X	
223		RETAINING RING	AU48AA451	AU48AA511	X	
224		RETAINING RING (5-1/2")	02XR25001101	02XR45004001	X	
225		LEVELING PAD	(12) 19D110103	(12) ->	X	
226		ADJUSTING PAD PACKAGE	19D23841	->	X	
227		SCREW,SOCKET HEAD	(5) AA44AA108	(5) AA44AA109	X	
		ROLLER ELEMENT BEARING (REB)				
228 A		SHAFT ASY,HI-SPEED (REB) (60HZ)	X	X	02XR34012101	
228 B		SHAFT ASY,HI-SPEED (REB) (50HZ)	X	X	02XR34012102	
229 A		SHAFT,IMPELLER (REB) (60HZ)	X	X	02XR35014201	
229 B		SHAFT,IMPELLER (REB) (50HZ)	X	X	02XR35014202	
230		SPRING,WAVE (REB)	X	X	02XR35014401	
231		RETAINER,HI-SPEED THRUST BEARING (	X	X	02XR35014501	
232		SPACER,HI-SPEED THRUST BEARING (RE	X	X	02XR35014601	
233		ROLLER BEARING,HI-SPEED THRUST (RE	X	X	02XR35014701	
234		ROLLER BEARING,HI-SPD COUNTER THRU	X	X	02XR35014801	
235		ROLLER BEARING,CYLINDRICAL (REB)	X	X	02XR35014901	
236		SPACER,HI-SPEED SHAFT (REB)	X	X	02XR35015001	
237		SPACER,HI-SPEED LUBE (REB)	X	X	02XR35015101	
238		RING,REATINER (REB)	X	X	AU48AA511	
239		"O" RING (REB)	X	X	KK71GW038	
240		RETAINER,HI-SPEED SHAFT (REB)	X	X	02XR35014101	
241		RETAINER,HI-SPEED SHAFT BEARING (REB	X	X	02XR35015201	
242		"O" RING (9/16) (REB)	X	X	KK71EW015	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		ROLLER ELEMENT BEARING (REB)				
243		"O" RING (5/16) (REB)	X	X	KK71JV004	
		GUIDE VANE & BLADE RING				
244		BLADE RING ASSEMBLY	02XR24007701	02XR34000501	02XR34011901	
		Includes: Items #245 - 258.				
244 A		BLADE RING ASSEMBLY (SSN 2704Q)	X	X	X	
		Includes: Items #245a - 258.				
245		PULLEY,DRIVE	02XR25006501	19EA411003	02XR35012501	
245 A		PULLEY,DRIVE (SSN 2704Q)	X	X	X	
246		PULLEY,BLADE	(6) 02XB35001701	(6) 19EA412142	(6) 02XR35001702	
246 A		PULLEY,BLADE (SSN 2704Q)	X	X	X	
247		PULLEY,IDLER	(7) 19D211252	(7) ->	(7) ->	
247 A		PULLEY,IDLER (SSN 2704Q)	X	X	X	
248		BUSHING,BLADE	(14) KT53XL066	(14) KT53XL093	(14) ->	
249		BLADE,PREWHIRL	(7) 02XB34003301	(7) 02XR34003701	(7) ->	
249 A		BLADE,PREWHIRL (SSN 2704Q)	X	X	X	
250		CABLE,GUIDE VANE	02XR04001301	19EA43102	02XR04001302	
251 A		TAPERED SHAFT (IDLER PULLEY)	(7) 02XB35005401	(7) 19EA431001	X	
251 B		BOLT,SHOULDER (IDLER PULLEY)	(7) AH27AM232	(7) AH27AM172	(7) ->	
253		BUSHING (IDLER PULLEY)	(7) KT53XL055	(7) ->	(7) ->	
254		SNAP RING/HEX NUT(USED W/ITEM 164A	(7) AT39AA241	(14) AU48AR061	X	
255		NUT,JAM (USED W/ITEM 164B)	(7) AT40AA241	(7) AT40AA301	(7) AT40AA241	
256		COTTER PIN (3/32)	X	(2) AX01AA027	X	
257		SET SCREW 1/4-20	X	(2) AE13AR170	X	
258		WASHER	(7) 19EA512012	(7) ->	X	
259		SEAL HOUSING	02XB35008101	->	X	
260		SEAL HOUSING ASY.	02XR04001201	02XB35008101	02XR04001201	
		Includes: Items #261 - 263.				
261		BUSHING	KT53XL093	->	->	
262		"O" RING	KK71EW212	->	->	
263		"O" RING	KK71EW924	->	->	
264		DRIVE SHAFT (STAINLESS STEEL)	02XR25005201	02XR35002001	02XR05004403	
264 A		DRIVE SHAFT (S'LESS STEEL)(SSN 1504Q	X	X	X	
264 B		DRIVE SHAFT (S'LESS STEEL)(SSN 2704Q	X	X	X	
265		"V" RING (INNER)	KK71HT016	->	X	
266		"V" RING (OUTER)	KK71HT014	->	X	
267		"O" RING (2.50"OD)	KK71EW228	->	X	
268		WASHER	AU51YA391	->	->	
269		PELLET (1/8" DIA NYLON)	19EA411031	->	X	
270		ROLL PIN (11/16" LG)	AX14CA031	AX14CA044	->	
270 A		ROLL PIN (11/16" LG)(SSN 1504Q)	X	X	X	
271		KEY	19D211391	->	->	
272 A		MOTOR,ACTUATOR (PIC I MACH.)	HF26BB026	->	X	
272 B		POTENTIOMETER	AD-718-702	->	X	
272 C		MODULE,DRIVE	CP-8391-920	->	X	
272 D		MOTOR,ACTUATOR (PIC II MACH.)	HF26BB030	->	->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		GUIDE VANE & BLADE RING				
272 E		POTENTIOMETER	AD-718-704	->	->	
273		MOUNTING PLATE (ABS)	02XR05002801	->	->	
274		CHAIN GUARD (ABS)	02XR05003301	->	->	
275		CHAIN KIT (#35) (3/8"PITCH)	19FA660016	->	->	
276		SPROCKET,HUB	17FA5021583	->	X	
277		SPROCKET,DRIVE	17FA5021712	->	02XR05009201	
277 A		SPROCKET,DRIVE (SSN 2704Q)	X	X	X	
278		SPROCKET,SHAFT	17FA5121543	->	02XR05005701	
278 A		SPROCKET,SHAFT (SSN 2704Q)	X	X	X	
279		EXPANSION NUT (#8 NYLON)	(9) AT99RA101	(9) ->	X	
280		SET SCREW (5/16-18 X 1/2"LG)	(2) AE12AA196	(2) ->	(2) ->	
281		SPACER (1/2")	(3) 17FA5021762	(3) ->	X	
282		SPACER (1-1/8")	(2) 02XR45006202	(2) ->	X	
283		SPACER (1-7/8")	(2) 02XR45006201	(2) ->	(2) ->	
284		KEY	17FA5021782	->	->	
		TERMINAL ARRANGEMENT				
285		SPRING WASHER (LO-VOLT)(INTERNAL)	(6) AU51AS543	(6) ->	(6) ->	
286		LO-VOLTAGE TERMINAL ASY.	(6) HY85AA062	(6) ->	(6) ->	
		Includes: Item #287.				
287		LO-VOLT TERMINAL "O" RING	(6) KK71EW914	(6) ->	(6) ->	
288		LO-VOLTAGE TERMINAL FOAM PAD	19XR25000401	->	->	
289		LO-VOLTAGE TERMINAL FRAME ASY.	19XR24001301	19XR34000801	->	
290		THERMAL INSULATOR (1 1/8"OD)	(6) 02XB05001801	(6) ->	(6) ->	
291	N	INSULATING SLEEVE,LO-VOLT TERMS.	(6) LF33MM112	(6) ->	(6) ->	
292	N	INSULATING SLEEVE,LO-VOLT TERMS.(VFD	X	(6) LF33MM112	(6) ->	
293	N	INSULATING PUTTY,MED-VOLT TERMS.	19EA4111102	->	->	
294	N	ELECTRICAL TAPE,MED-VOLT TERMS.	19EA4111112	->	->	
295		HI-VOLTAGE TERMINAL ASY.	X	(3) 02XB05003001	(3) ->	
		Includes: Items #296 - 298.				
296		HI-VOLTAGE TERM. "O" RING (INNER)	X	(3) KK71EW325	(3) ->	
297		HI-VOLTAGE TERM. "O" RING (OUTER)	X	(3) KK71EW311	(3) ->	
298		HI-VOLTAGE TERMINAL REBUILD KIT	X	19XR660018	->	
		Note: Consists Of Hex Nut, Washer, Sleeves And "O" Rings		It# 296 & 297		
299		HI-VOLTAGE TERMINAL STUD	X	(3) 02XB05003101	(3) ->	
		Note: Terminal Stud May Req. Field Modification Before Installation.				
300		HI-VOLTAGE CONNECTOR LUG	(3) 02XB05002901	(3) ->	(3) ->	
301		HI-VOLTAGE TERMINAL FOAM PAD	X	19XR35000201	->	
302		HI-VOLTAGE TERMINAL FOAM PAD	19XR75001401	->	->	
303		HI-VOLTAGE TERMINAL,FRAME ASY.	X	19XR34000201	->	
304		"O" RING (TERMINAL PLATE)	(2) KK71EW128	(2) ->	->	
		LUBRICATION PACKAGE				
305 A		OIL PUMP ASY (200/240-60)W/OIL FILTE	02XB34008901	->	X	
305 B		OIL PUMP ASY (380/480-60)W/OIL FILTE	02XB34008902	->	X	
305 C		OIL PUMP ASY (507/619-60)W/OIL FILTE	02XB34008905	->	X	
305 D		OIL PUMP ASY (220/240-50)W/OIL FILTE	02XB34008903	->	X	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		LUBRICATION PACKAGE				
305 E		OIL PUMP ASY (346/440-50)W/OIL FILTE	02XB34008904	->	X	
		Note: Oil Pump Assembly Item 305 Includes Internal Oil Filter.				
		Oil Pump Assemblies Include Items That Make Up Service Packages.				
306 A		OIL PUMP ASY (200/240-60)W/O OIL FIL	02XR04002101	->	->	
306 B		OIL PUMP ASY (380/480-60)W/O OIL FIL	02XR04002102	->	->	
306 C		OIL PUMP ASY (507/619-60)W/O OIL FIL	02XR04002105	->	->	
306 D		OIL PUMP ASY (220/240-50)W/O OIL FIL	02XR04002103	->	->	
306 E		OIL PUMP ASY (346/440-50)W/O OIL FIL	02XR04002104	->	->	
		Note: Oil Pump Asy Item 306 Are Used With External Inline Oil Filter.				
		Oil Pump Assemblies Include Items That Make Up Service Packages.				
307 A	N	SERVICE PKG,STATOR (FOR IT#305 ONLY)	02XB34013801	->	->	
		Note: Stator Good For A Minimum Of 346V To Maximum Of 619V, All Hertz.				
307 B	N	SERVICE PKG,STATOR (FOR IT#305 ONLY)	02XB34013802	->	->	
		Note: Stator Good For A Minimum Of 200V To Maximum Of 240V, All Hertz.				
307 C	N	SERVICE PKG,STATOR (FOR IT#306 ONLY)	02XR04003501	->	->	
		Note: Stator Good For A Minimum Of 346V To Maximum Of 619V, All Hertz.				
307 D	N	SERVICE PKG,STATOR (FOR IT#306 ONLY)	02XR04003502	->	->	
		Note: Stator Good For A Minimum Of 200V To Maximum Of 240V, All Hertz.				
307 E	N	SERVICE PKG,ROTOR (COPELAND) (60HZ)	02XB34011401	->	->	
		Can be used with items #305 or #306 Includes: Items #308 - 332.				
307 F	N	SERVICE PKG,ROTOR (COPELAND) (50HZ)	02XB34011402	->	->	
		Can be used with items #305 or #306 Includes: Items #308 - 332.				
308		MACHINE COVER	02XB35025501	->	->	
309		COVER,MOTOR END	X	X	02XR05008901	
310		COVER,PUMP END	17CA611492	->	->	
311		PUMP SHAFT	02XB35025401	->	->	
312		ROTOR (COPELAND)	02XB05002401	->	->	
313		SLEEVE (LONG)	02XB35024601	->	->	
314		SLEEVE (SHORT)	02XB35024701	->	->	
315		PUMP VANE	(4) 02XB35025301	(4) ->	(4) ->	
316		CLAMPING RING	19D211011	->	->	
317		DOWEL PIN (3/4" LONG)	(2) AX11AR168	(2) ->	(2) ->	
318		DOWEL PIN (1-1/4" LONG)	(2) AX11AR132	(2) ->	(2) ->	
319		HEX HD CAP SCREW (1/2-13 X 4")	NOT SOLD SEPARATELY	->	->	
320		SOCK.HD SCREW (5/16-18 X 3/4")	NOT SOLD SEPARATELY	->	->	
321		PIPE PLUG (1/8")	CA63AA001	->	->	
322		PLUG (W/"O" RING)	(2) CA63AM200	(2) ->	(2) ->	
323		"O" RING	KK71EW905	->	->	
324 A		SET SCREW (1/4-20 X 7/16")	(2) AE64FR166	(2) ->	(2) ->	
324 B		SET SCREW (1/4-20 X 1/2")	X	X	X	
326		"O" RING (HERM TERM) (2 1/16"OD)	KK71EW134	->	->	
327		HERMETIC TERMINAL (5 PIN)	HY85FP032	->	->	
328		"O" RING	KK71EW257	->	KK71EW263	
329		"O" RING	KK71EW165	->	->	
330		RELIEF VALVE ASY (REGULATOR)	02XB34012201	->	X	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		LUBRICATION PACKAGE				
331		"O" RING (1 3/16"OD)	KK71EW023	->	X	
332		VALVE (3/8")	EP23LA155	->	X	
333		OIL COOLER	02XR05001701	02XB35031301	02XR05005401	
333 A		OIL COOLER (SSN 1504Q)	02XR05005401	X	X	
333 B		OIL COOLER (SSN 2704Q)	X	X	X	
334		BRACKET,OIL COOLER	(2) 02XB35031601	X	(2) 02XB35031601	
335		"O" RING (1 7/8"OD)	KK71EW223	->	X	
336	N	FILTER KIT	02XB660004	->	X	
		Includes: Items #337 - 338.				
337		FILTER CORE	KH09AZ003	->	X	
338		"O" RING (4 5/8"OD)	KK71EW245	->	X	
339		ROD (FILTER SUPPORT)	02XB35015201	->	X	
340		HEX LOCK NUT (5/16-18)	AT55BA201	->	X	
341		FILTER RETAINER	02XB35014901	->	X	
342		FITTING,FEMALE ROTALOCK	02XR05005101	X	02XR05008701	
343		FITTING,MALE ROTALOCK	02XR05005201	X	02XR05005201	
343 A		SEAL,TEFLON	X	X	02XR05009101	
345		BRACKET,OIL FILTER	02XR05009601	X	02XR04001402	
346		OIL FILTER,INLINE (INCLUDES IT#351)	02XR05006201	SEE 19XR FR#3 (REB)	02XR05009501	
347		VALVE,SHUTOFF	(2) 02XR04003001	X	(2) 02XR05005001	
347 A		VALVE,SHUTOFF	X	X	X	
349		TRANSDUCER,PRESSURE	HK05YZ007	X	HK05YZ007	
350		COUPLING,MALE FLARE TO ODS FEMALE	DE08DA142	X	DE08DA301	
351		"O" RING,INLINE OIL FILTER	24592	X	X	
		PIC CONTROLS				
400		PIC I CONTROL USED UNTIL WK#28 1998	PIC I CONTROLS	->	->	
		Note: See Service Bulletin C9831 For More Details.				
400 A		POWER PANEL ASY,BASIC (PIC I)	19XR04000105	19XR04000101	X	
400 B		POWER PANEL ASY,OPTIONS (PIC I)	19XR04000106	19XR04000102	X	
400 C		POWER PANEL ASY,BASIC (FR#7,8 PIC I)	X	X	X	
400 D		POWER PANEL ASY,OPTIONS (FR#7 PIC I)	X	X	X	
		Includes: Items #401 - 414.				
401		TRANSFORMER (21V) (T1)	HT01BD113	->	X	
402		TRANSFORMER (24V) (T2) & (T3)	HT01AW235	->	X	
403		TRANSFORMER ASY (OPTIONS)(T4)	HT01BD113	->	X	
		Includes: Items #404 - 406.				
404	N	TRANSFORMER (21V)	HT01BD113	->	X	
405	N	PLUG	HY06MP081	->	X	
406	N	PIN	(3) HY57MP019	(3) ->	X	
407		CONTACTOR(3 POLE)(OIL PUMP/HEATER)	(2) HN53CC024	(2) ->	X	
407 A		AUXILIARY CONTACTOR (SIDE MOUNT)	HN53AB035	->	X	
408		PRESSURE SWITCH,DIFF.	HK06UB011	->	X	
409		BARRIER	19XB05000401	->	X	
410		TERMINAL BLOCK	19XB05002301	->	X	
411		VOLTAGE SELECTOR SWITCH	HR67ZZ125	->	X	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PIC CONTROLS				
412		WIRE HARNESS (15 WIRE) 5AMP	19XB04002501	->	X	
413		GROUND LUG	HY90HR001	->	X	
414 A		COVER ASY (W/LABEL) (FR#1 - 6 ONLY	19XR04000501	->	X	
414 B		COVER ASY (W/LABEL) (FR#7,8 ONLY)	X	X	X	
415		PIC I CONTROL USED UNTIL WK#28 1998	PIC I CONTROLS	->	->	
		Note: See Service Bulletin C9831 For More Details.				
415 A		CONTROL PANEL ASY,BASIC(PIC I)	19XR04000301	->	X	
415 B		CONTROL PANEL ASY,OPTIONS(PIC I)	19XR04000302	->	X	
415 C		CONTROL PANEL ASY,BASIC(FR#7,8 PIC I	X	X	X	
415 D		CONTROL PANEL ASY,OPTIONS(FR#7 PIC I	X	X	X	
		Includes: Items #416 - 440.				
416 A		PANEL ASY (SHT. MTL.) (FR# 1 - 6 ONL	19XR04000401	->	X	
416 B		PANEL ASY (SHT. MTL.) (FR#7,8 ONLY)	X	X	X	
		Includes: Items #417 - 418.				
417		ANGLE,SUPPORT	19XB05001101	->	X	
418		HINGE	19XB05001201	->	X	
419		DOOR PANEL ASY	19EX04000501	->	X	
420		CAM LOCK (W/KEYS)	KA19NL010	->	X	
421		LID ASY (LOCAL INTERFACE DISPLAY)	CES0130036	->	X	
422		LID BATTERY (SEE SB C9623)	CEC0120803-01	->	X	
423		RELAY BOARD (6 PACK)	HK35AA003	->	X	
424		POWER SUPPLY/COMPARITOR (5V DC)	HK35AA007	->	X	
425		MODULE ASY (PSIO)	19XR04017404	->	X	
426		PSIO BATTERY (SEE SB C9623)	CEC0120803-01	->	X	
427		CONTROL BOARD (SPLIT RING DIFFUSER)	X	X	X	
428		CIRCUIT BREAKER (3.2 AMPS)	(4) HH83ZB001	(4) ->	X	
429		RUBBER BUMPER	(2) KA58MR001	(2) ->	X	
430		RESISTOR (4.3K)	X	X	X	
431 A	N	WIRE HARNESS ASY (15 WIRE)	19XR04008201	->	X	
432 B	N	WIRE HARNESS ASY (6 WIRE)	19XB04002401	->	X	
432 C		WIRE HARNESS ASY (5 WIRE)	X	X	X	
432 D	N	WIRE ASSEMBLY (RESISTORS)	19XB04003301	->	X	
		Includes Item #432e.				
432 E	N	RESISTOR (10K 1/2 W)	(3) HT21AZ110	(3) ->	X	
432 F	N	CABLE ASY(COMPR. SUMP OIL TEMP)	HH79NZ064	->	X	
432 G	N	CABLE ASY(MTR. WINDING TEMP)	19EX04001601	->	X	
432 H	N	CABLE ASY(THRUST BEARING TEMP)	19EX04001602	->	X	
432 J	N	CABLE ASY(COOL. LEAVING WATER TEMP)	HH79NZ064	->	X	
432 K	N	CABLE ASY(COOL. ENTERING WATER TEMP)	HH79NZ064	->	X	
432 L	N	CABLE ASY(COND. LEAVING WATER TEMP)	HH79NZ064	->	X	
432 M	N	CABLE ASY(COND. ENTERING WATER TEMP)	HH79NZ064	->	X	
432 N	N	CABLE ASY(GUIDE VANE ACUATOR)	19EX54002701	->	X	
432 P	N	CABLE ASY(COMPR. DISCH. TEMP)	HH79NZ064	->	X	
432 R	N	CABLE ASY(COMPR. OIL PRESS.)	19XB660008	->	X	
432 S	N	CABLE ASY(COND. & COOL. PRESS.)	19XB660008	->	X	

CATALOG NO.: RCD-3519-061 REV. B
SUPERSEDES : RCD-3519-061 REV. A

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PIC CONTROLS				
432 T	N	CABLE ASY(STARTER COMMUNICATION)	19XB660008	->	X	
432 U	N	CABLE ASY(DIFFUSER ACTUATOR)	X	X	X	
432 V	N	CABLE ASY(DIFFUSER ACTUATOR)	X	X	X	
433	N	CONNECTOR PLUG (4 PIN) (SIDE PSIO)	HY84EE004	->	X	
434	N	CONNECTOR PLUG (3 PIN) (SIDE PSIO)	HY84EE003	->	X	
435	N	CONNECTOR PLUG (18 PIN)	(3) HY84EE021	(3) ->	X	
436	N	CONNECTOR PLUG (6 PIN)	HY06MP106	->	X	
437	N	CONNECTOR PLUG (2 PIN)	X	X	X	
438	N	CONNECTOR PLUG (3 PIN)(SRD BOARD)	X	X	X	
439	N	CONNECTOR PLUG (12 PIN) (SRD BOARD)	X	X	X	
440		MODULE (INPUT)(OPTIONS PANEL ONLY)	HK50AA006	->	X	
441		TEMPERATURE SENSOR (W/BOX NOZZLE)	(4) HH79NZ059	(4) ->	X	
442		TRANSDUCER,PRESSURE(COOL/COND)(PIC 1	(2) HK05YZ007	(2) ->	X	
443	N	STARTER MANAGEMENT MODULE (SMM)	CES0121319-01	->	X	
444	N	TEMP SENSOR PKG (SHIPPED IN CONT BOX	(4) 32MP400333	(4) ->	X	
		Includes: Items #445 - 446.				
445	N	SENSOR (20" LEAD)	HH79NZ024	->	X	
446	N	MALE CONNECTOR	DC99RA015	->	X	
		PIC II & PIC III CONTROLS GROUP				
447		PIC II/III CONTROLS AFTER WK#28 1998	PIC II & III CONTROL	->	->	
		Note: See Service Bulletin C9831 For More Details.				
447 A		CONTROL PANEL (PIC II)(STANDARD)(CVC	19XR04016401	->	X	
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX.				
447 B		CONTROL PANEL (PIC II)(W/DATAPORT)(C	19XR04016402	->	X	
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX.				
447 C		CONTROL PANEL (PIC II)(W/DATALINK)(C	19XR04016403	->	X	
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX.				
447 D		CONTROL PANEL (PIC II)(STANDARD)(ICV	19XR04030701	->	->	
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		Without a VFD Or With A Liquid Flo I VFD.				
447 E		CONTROL PANEL (PIC II)(W/DATAPORT)(I	19XR04030702	->	->	
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		Without A VFD Or With A Liquid Flo I VFD.				
447 F		CONTROL PANEL (PIC II)(W/DATALINK)(I	19XR04030703	->	->	
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		Without A VFD Or With A Liquid Flo I VFD.				
447 G		CONTROL PANEL (PIC III) (STANDARD)	19XR04030801	X	19XR04030801	
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		With a Liquid Flo II VFD.				
447 H		CONTROL PANEL (PIC III) (W/DATAPORT)	19XR04030802	X	19XR04030802	
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		With a Liquid Flo II VFD.				
447 J		CONTROL PANEL (PIC III) (W/DATALINK)	19XR04030803	X	19XR04030803	
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		With a Liquid Flo II VFD.				

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PIC II & PIC III CONTROLS GROUP				
448		TERMINAL BLOCK	23XL05007901	->	->	
449 A		CONTROLLER,CHILLER VISUAL (CVC)	19XR04011604	->	X	
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX				
449 B		CONTROLLER,CHILLER VISUAL (ICVC)	19XR04023404	->	->	
		Note: Used On PIC II Machines With a Serial Number After 4101QXXXXX				
449 C		CONTROLLER,CHILLER VISUAL (ICVC)	19XR04029401	->	->	
		Note: Used On PIC III Machines .				
450		MODULE,CHILLER CONTROL (CCM)	CES0130038	->	->	
451		CIRCUIT BREAKER (CB)	(2) HH83ZB001	(2) ->	(2) ->	
452		RESISTOR (4.3K) (TERM. 7 TO 8)	HT21AZ111	->	->	
453		RESISTOR (10K) (TERM. 11 TO 12)	HT21AZ110	->	->	
454		CAM LOCK (W/KEYS)	KA19NL010	->	->	
455		BUMBER,RUBBER	(2) KA58MR001	(2) ->	(2) ->	
456		BOLT,SHOULDER (SPECIAL)	(2) 19XR05007401	(2) ->	(2) ->	
457		COVER,PANEL	19XR05007501	->	->	
458 A		MODULE,DATAPORT OPTION	CEPL130363-01	->	->	
458 B		MODULE,DATALINK OPTION	CEFA121549-02	->	->	
459		CONNECTOR (6 PIN) (J12)	HY06MP106	->	->	
460		CONNECTOR (5 PIN) (J1 ON CVC)	HY07MP505	->	->	
461		CONNECTOR (2 PIN)	HY06AM015	->	->	
462		CONNECTOR (3 PIN)	HY84EE103	->	->	
463		CONNECTOR (4 PIN)	HY84EE104	->	->	
464		CONNECTOR (6 PIN)	HY84EE106	->	->	
465		CONNECTOR (12 PIN) (MARKED 1-12)	HY84EE112	->	->	
466		CONNECTOR (12 PIN) (MARKED 13-24)	HY84EE132	->	->	
467		CONNECTOR (14 PIN) (MARKED 1-14)	HY84EE114	->	->	
468		CONNECTOR (14 PIN) (MARKED 15-28)	HY84EE134	->	->	
469		CABLE,PRESS. TRANSDUCER (3 WIRE)	19XB660008	->	->	
470		CABLE,TEMPERATURE SENSOR (2 WIRE)	HH79NZ064	->	->	
471		WIRE HARNESS (10 WIRE)	19XR04010701	->	->	
472		BRACKET,MOUNTING (DL & DP MODULE)	19XR05013701	->	->	
473		CABLE ASY (CCM TO CVC)	19XR05009701	->	->	
474		CAPACITOR	X	X	19XR05016201	
475		SENSOR,TEMP. (WELL INSERTION)	(3) HH79NZ031	(3) ->	(3) ->	
		Note: Included With Control Panels Installed On Machines With Serial				
		Numbers After 4101QXXXXX. For Direct Insertion Temp. Sensors See				
		Item #491. Compr. Disch. & Sump Temp, Cooler Saturation Temp.				
		Sensor Includes Intergral Cable.				
476		SENSOR,TEMP. (WELL INSERTION)	(4) HH79NZ032	(4) ->	(4) ->	
		Note: Included With Control Panels Installed On Machines With Serial				
		Numbers After 4101QXXXXX. For Direct Insertion Temp. Sensors See				
		Item #491. Cooler & Condenser Entering And Leaving Temp.				
		Sensor Includes Intergral Cable.				
477		WELL,TEMP. SENSOR (USED W/IT 475 & 4	19EF5011212	->	->	
477 A		SENSOR,HUMIDITY (FLOTRONIC II VFD)	23XR04007701	->	->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PIC II & PIC III CONTROLS GROUP				
478		PIC II/III CONTROLS AFTER WK#28 1998	PIC II & III CONTROL	->	->	
		Note: See Service Bulletin C9831 For More Details.				
478 A		POWER PANEL ASY (PIC II) (SEE NOTE!)	19XR04009901	->	X	
		Note: (Standard) Used On Machines With A Serial Number Prior To 4101Q				
		And Without A VFD Or With A Liquid Flo I VFD.				
478 B		POWER PANEL ASY (PIC II) (SEE NOTE!)	19XR04009901	->	->	
		Note: (Standard) Used On Machines With A Serial Number After 4101Q				
		And Without A VFD Or With A Liquid Flo I VFD.				
478 C		POWER PANEL ASY (PIC II) (SEE NOTE!)	19XR04023001	->	->	
		Note:(Dataport/Link) Used On Machines With A Serial Number After 4101Q				
		And Without A VFD Or With A Liquid Flo I VFD.				
478 D		POWER PANEL ASY (PIC II) (SSN 5101Q)	X	X	X	
		Note: Standard Power Panel.				
478 E		POWER PANEL ASY (PIC II) (SSN 5101Q)	X	X	X	
		Note: Dataport & Datalink Power Panel.				
478 F		POWER PANEL ASY (PIC III) (SEE NOTE!	19XR04028701	X	19XR04028701	
		Note: (Standard) Used On Machines With A Liquid Flo II VFD.				
478 G		POWER PANEL ASY (PIC III) (SEE NOTE!	19XR04028801	X	19XR04028801	
		Note: (Dataport/Link) Used On Machines With A Liquid Flo II VFD.				
479		COVER,PANEL	19XB05000301	->	->	
480		BARRIER	19XB05000401	->	->	
481		TRANSFORMER (T1)	HT01AW235	->	->	
482		TRANSFORMER (T2)	HT01AW235	->	->	
482 A		TRANSFORMER (T3)	19XR04022601	X	19XR04022601	
483		TERMINAL BLOCK	19XR05013101	->	->	
484		CONTACTOR (OIL HEATER)	HN53CC024	->	->	
484 A		AUXILIARY CONTACTOR (SIDE MOUNT)	HN53AB035	->	->	
485		CONTACTOR (OIL PUMP)	HN53HC023	->	->	
486		GROUND LUG	HY90HR001	->	->	
487		ACCESS PANEL,LOW VOLTAGE	X	X	19XR05008401	
488		MOUNTING BRACKET,CONTROL PANEL	19XR04010001	->	->	
489		MOUNTING BRACKET,POWER PANEL	X	X	X	
490		TRANSDUCER,PRESSURE	(7) HK05YZ007	(7) ->	(7) ->	
491		SENSOR,TEMPERATURE (DIRECT INSERTION	(5) HH79NZ059	(5) ->	(5) ->	
		Note: Direct Insertion Type Used On Machines With Serial Numbers				
		Prior To 4101QXXX. For Well Insertion Type See Items 475 & 476.				
492		INTEGRATED STARTER MODULE W/SCHEMATI	19XR04012202	->	->	
494 A		FUSE,ISM (USED W/19XR04002201)	ATO-1	->	->	
494 B		FUSE,ISM (USED W/19XR04002202)	GDB-1A	->	->	
495		CABLE ASY (VFD FLO II SOLENOID)	19XR04029501	->	->	
		MACHINE ARRANGEMENT & PIPING				
500		O-RING (VFD COOL.)(2-BOLT FLANGE CON	X	(2) KK71EW118	(2) ->	
501		FLANGE,FLAT FACED (VFW COOLING CONN.	X	(2) DK25CA314	(2) ->	
502		FLANGE,O-RING GROOVE (VFW COOLING CO	X	(2) DK24CA315	(2) ->	
503 A		VALVE,EXP.(VFW STARTER)(414 AMP)	02XR05003902	->	->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
503	B	VALVE,EXP.(VFW STARTER)(500/643 AMP)	02XR05003901	->	->	
503	C	VALVE,SOLENOID (LIQ FLO 2 VFD)	23XR05006601	X	23XR05006601	
503	D	VALVE,BALL (5/8) (LIQ FLO 2 VFD)	EP71BA201	X	EP71BA201	
504		CONNECTOR,BRAZE (THREADED CONN.)	(2) DF34CA019	(2) ->	(2) ->	
505		O-RING (VFD COOL.)(THREADED CONN.)	(2) KK71EW016	(2) ->	(2) ->	
506		SLEEVE,BRAZE O-RING FACE SEAL)	(2) DF02CA025	(2) ->	(2) ->	
507		NUT (O-RING FACE SEAL)	(2) DF01CA007	(2) ->	(2) ->	
507	A	STRAINER,REFRIGERANT (FLO II VFD)	23XR05015401	X	23XR05015401	
508		GASKET,RING (3")	X	(2) CT99QX501	(2) ->	
509		GASKET,RING (4")	X	X	X	
510		GASKET,RING (5")	X	X	X	
511		GASKET,RING (6")	(3) CT99QN701	X	X	
512		GASKET,RING (8")	(2) CT99QN801	(3) ->	(3) ->	
513		GASKET,RING (10")	CT99QN851	(2) ->	(2) ->	
514		GASKET,RING (12")	X	CT99QN951	->	
515		GASKET,RING (16")	X	X	X	
516	A	VALVE,RELIEF(1/2")(COND. FR# 1 & 2)	(2) EB51CH181	(2) X	(2) X	
516	B	VALVE,RELIEF(1")(COND. FR# 1 & 2)	(2) EB51FZ317	(2) X	(2) X	
516	C	VALVE,RELIEF (COND. FR# 3,4,5,6,7,8)	19EB660005	->	->	
517	A	VALVE,RELIEF(1/2")(COOL. FR# 1 & 2)	(2) EB51CH181	(2) X	(2) X	
517	B	VALVE,RELIEF(1")(COOL. FR# 1 & 2)	(2) EB51FZ317	(2) X	(2) X	
517	C	VALVE,RELIEF (COOL. FR# 3,4,5,6,7,8)	(2) EB51FZ317	(2) 19EB660005	(2) ->	
518	A	VALVE,SHUTOFF(1")(FR# 3,4,5,6,7,8)	(2) EP83CC301	(2) ->	(2) ->	
518	B	VALVE,SHUTOFF(1/2")(FR# 1 & 2)	EP83CC182	X	X	
518	C	VALVE,SHUTOFF(1")(FR# 1 & 2)	EP83CC301	X	X	
519		FILTER,REFRIGERANT (OIL RECLAIM)	KH42ME060	->	->	
520		"O" RING	KK71EW223	KK71EW229	->	
521		"O" RING	KK71EW223	->	X	
522		VALVE,BALL (3/8")	(2) EP71BA121	(2) ->	(2) ->	
523		SIGHTGLASS	AMI-1SS3	->	->	
524	A	"O" RING,DRAIN (FR# 1,2,3,4 COND.)	(2) KK71EW229	->	->	
524	B	"O" RING,DRAIN (FR# 5,6 COND.)	X	KK71EW243	->	
524	C	"O" RING,DRAIN (FR# 7,8 COND.)	X	X	X	
525		GASKET,COND. DRAIN (FR# 5,6 COND.)	X	19XR55003301	X	
		Note: Used Prior To s/n 0197JXXXXX....After See Item 524B.				
526	A	VALVE,BALL(1") (VESSELS FR# 1,2,3,4)	EP71CQ306	->	->	
526	B	VALVE,BALL(1.5")(VESSELS FR# 5,6,7,8	X	EP71CQ422	->	
527	A	VALVE,BALL(5/8") (VESSELS FR# 1 - 6)	(2) 900205	(2) ->	(2) ->	
527	B	VALVE,BALL(7/8") (VESSELS FR# 7,8)	X	X	X	
528	A	DRIER,FILTER(5/8")(VESSELS FR# 1 - 6	KH45LE120	->	->	
528	B	DRIER,FILTER(7/8") (VESSELS FR# 7,8)	X	X	X	
		Note: This Filter Drier Is Used With Sweated Joints. For Alternative				
		See Item 528C.				
528	C	DRIER,FILTER(7/8") (7 & 8)(SEE NOTE)	X	X	X	
		Note: Used With Rotoloc Fittings. For First Time Installation 2 Item				

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
		528D's Must Also Be Ordered.				
528 D		ROTALOC FITTING 7/8 (SEE NOTE)	X	X	X	
529 A		INDICATOR,MOISTURE(5/8")(FR# 1 - 6)	KM43BS062	->	->	
529 B		INDICATOR,MOISTURE(7/8")(FR# 7,8)	X	X	X	
530		CAP,SERVICE VALVE	(3) 99CC409372	(3) ->	(3) ->	
531 A		VALVE,SERVICE (1/2") (LEVER TYPE)	(3) EP71CQ182	(3) ->	(3) ->	
531 B		VALVE,SERVICE (1/2")	(3) EP71CZ182	(3) ->	(3) ->	
532		VALVE,SCHRADER	(2) 06DA403844	(2) ->	(2) ->	
533		GAUGE,PRESSURE	KM03AC256	->	->	
534		ELL CONNECTOR (3/8 X 9/16-18)	02XB05000601	->	->	
		Includes: Item #535.				
535		"O" RING,CONNECTOR	KK71EW906	->	->	
536 A		SCREEN,FLOAT VALVE(COND.FR# 1,2,3,4)	09XB04000901	->	->	
536 B		SCREEN,FLOAT VALVE(COND.FR# 5 & 6)	X	09XR04005701	->	
536 C		SCREEN,FLOAT VALVE(COND.FR# 7 & 8)	X	X	X	
537 A		VALVE ASY,FLOAT (COND.FRAME 1 & 2)	09XR04005301	X	X	
		Includes: Items #538 - 539.				
537 B		VALVE ASY,FLOAT (COND.FRAME 3 & 4)	09XR04005302	->	->	
		Includes: Items #538 - 539.				
537 C		VALVE ASY,FLOAT (COND.FRAME 5 & 6)	X	09XR04005303	->	
		Includes: Items #538 - 539.				
537 D		VALVE ASY,FLOAT (COND.FRAME 7 & 8)	X	X	X	
		Includes: Items #538 - 539.				
538		RING,RETAINING	(3) AU45AZ025	(3) ->	(3) ->	
539 A		PIN,DRIVE (COND.FR 1-4)(PSN 3503Q)	09XB05004101	->	->	
539 B		SHAFT,FLOAT(COND.FR 1-4)(SSN 3503Q	09XR05013001	->	->	
539 C		PIN,DRIVE (COND.FR 5&6)(PSN 3503Q)	X	09XR05001201	->	
539 D		SHAFT,FLOAT(COND.FR 5&6)(SSN 3503Q	X	09XR05013002	->	
539 E		PIN,DRIVE (COND.FR 7&8)(PSN 3503Q)	X	X	X	
539 F		SHAFT,FLOAT(COND.FR 7&8)(SSN 3503Q	X	X	X	
539 G		BEARING,FLOAT SHAFT (SSN 3503Q)	(2) 09XR05011301	(2) ->	(2) ->	
539 H		SPACER (SSN 3503Q)	(2) 09XR05013201	(2) ->	(2) ->	
539 J		SPACER (SSN 3503Q) (FR 7&8 COND. O	X	X	X	
540		WASHER,FLOAT VALVE	(3) AU04AV241	(3) ->	(3) ->	
541 A		GASKET,FLOAT VALVE(COND.FR# 1,2,3,4)	09XB45001901	->	->	
541 B		GASKET,FLOAT VALVE(COND.FR# 5 & 6)	X	09XR05002001	->	
542		"O" RING,FLOAT VALVE(COND.FR# 7 & 8)	X	X	X	
543	N	STR. CONNECTOR (3/8 X 9/16-18)	X	02XB05000301	->	
		Includes: Item #544.				
544	N	"O" RING,CONNECTOR	X	KK71EW906	->	
545		ELL CONNECTOR (3/4 X 1-1/16-12)	02XB05000701	->	->	
		Includes: Item #546.				
546		"O" RING,CONNECTOR	KK71EW912	->	->	
547		VALVE,BALL (FR# 3 & 4 VESSELS ONLY)	EP71BA573	EP71BS511	EP71BA573	
		Note: Machines Built Prior To July 1999 May Need Piping Modification.				

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
548		VALVE,BALL (FR# 1 & 2 VESSELS ONLY)	EP71BA513	X	X	
549 A		VALVE,BUTTERFLY (DISCH. ISOLATION)	ER39MZ813	ER39MZ831	X	
		Note: Used On Machines Built Prior To Week 40,2000.				
549 B		VALVE,BUTTERFLY (DISCH. ISOLATION)	19XR05016404	19XR05016405	->	
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
550 A		VALVE,BUTTERFLY (COOLER ISOLATION)	X	ER38MZ601	X	
		Note: Used On Machines Built Prior To Week 40,2000.				
550 B		VALVE,BUTTERFLY (COOLER ISOLATION)	X	19XR05016401	->	
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
550 C		O-RING KIT (3") (FOR 19XR05016401)	X	540003008	->	
550 D		O-RING KIT (4") (FOR 19XR05016402)	X	X	X	
550 E		O-RING KIT (5") (FOR 19XR05016403)	X	X	X	
551 A		VALVE,BUTTERFLY (COOL. ISOL.) (FR#7)	X	X	X	
		Note: Used On Machines Built Prior To Week 40,2000.				
551 B		VALVE,BUTTERFLY (COOL. ISOL.) (FR#7)	X	X	X	
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
552 A		VALVE,BUTTERFLY (COOL. ISOL.) (FR#8)	X	X	X	
		Note: Used On Machines Built Prior To Week 40,2000.				
552 B		VALVE,BUTTERFLY (COOL. ISOL.) (FR#8)	X	X	X	
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
553		COOLER TUBE (SEE NOTE)	TUBE QUANTITY	->	->	
		Note: To Obtain The Proper Tubes For Your Particular Machine Contact				
		Your Carrier (RCD) Rep. You Must Provide Machine Serial No.				
553 A		COOLER TUBE QTY. (FR# 10,15)	142	X	X	
553 B		COOLER TUBE QTY. (FR# 11,16)	161	X	X	
553 C		COOLER TUBE QTY. (FR# 12,17)	180	X	X	
553 D		COOLER TUBE QTY. (FR# 20,30,35)	200	X	X	
553 E		COOLER TUBE QTY. (FR# 21,31,36)	240	X	X	
553 F		COOLER TUBE QTY. (FR# 22,32,37)	282	X	X	
553 G		COOLER TUBE QTY. (FR# 30,35)	X	200	->	
553 H		COOLER TUBE QTY. (FR# 31,36)	X	240	->	
553 I		COOLER TUBE QTY. (FR# 32,37)	X	282	->	
553 J		COOLER TUBE QTY. (FR# 40,45)	X	324	->	
553 K		COOLER TUBE QTY. (FR# 41,46)	X	364	->	
553 L		COOLER TUBE QTY. (FR# 42,47)	X	400	->	
553 M		COOLER TUBE QTY. (FR# 50,55)	X	431	->	
553 N		COOLER TUBE QTY. (FR# 51,56)	X	485	->	
553 O		COOLER TUBE QTY. (FR# 52,57)	X	519	->	
553 P		COOLER TUBE QTY. (FR# 60,65)	X	X	X	
553 Q		COOLER TUBE QTY. (FR# 61,66)	X	X	X	
553 R		COOLER TUBE QTY. (FR# 62,67)	X	X	X	
553 S		COOLER TUBE QTY. (FR# 70,75)	X	X	X	
553 T		COOLER TUBE QTY. (FR# 71,76)	X	X	X	
553 U		COOLER TUBE QTY. (FR# 72,77)	X	X	X	
553 V		COOLER TUBE QTY. (FR# 80,85)	X	X	X	

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
553 W		COOLER TUBE QTY. (FR# 81,86)	X	X	X	
553 X		COOLER TUBE QTY. (FR# 82,87)	X	X	X	
554		CONDENSER TUBE (SEE NOTE)	TUBE QUANTITY	->	->	
		Note: To Obtain The Proper Tubes For Your Particular Machine Contact				
		Your Carrier (RCD) Rep. You Must Provide Machine Serial No.				
554 A		CONDENSER TUBE QTY. (FR# 10,15)	180	X	X	
554 B		CONDENSER TUBE QTY. (FR# 11,16)	200	X	X	
554 C		CONDENSER TUBE QTY. (FR# 12,17)	225	X	X	
554 D		CONDENSER TUBE QTY. (FR# 20,30,35)	218	X	X	
554 E		CONDENSER TUBE QTY. (FR# 21,31,36)	266	X	X	
554 F		CONDENSER TUBE QTY. (FR# 22,32,37)	315	X	X	
554 G		CONDENSER TUBE QTY. (FR# 30,35)	X	218	->	
554 H		CONDENSER TUBE QTY. (FR# 31,36)	X	266	->	
554 I		CONDENSER TUBE QTY. (FR# 32,37)	X	315	->	
554 J		CONDENSER TUBE QTY. (FR# 40,45)	X	366	->	
554 K		CONDENSER TUBE QTY. (FR# 41,46)	X	415	->	
554 L		CONDENSER TUBE QTY. (FR# 42,47)	X	464	->	
554 M		CONDENSER TUBE QTY. (FR# 50,55)	X	507	->	
554 N		CONDENSER TUBE QTY. (FR# 51,56)	X	556	->	
554 O		CONDENSER TUBE QTY. (FR# 52,57)	X	602	->	
554 P		CONDENSER TUBE QTY. (FR# 60,65)	X	X	X	
554 Q		CONDENSER TUBE QTY. (FR# 61,66)	X	X	X	
554 R		CONDENSER TUBE QTY. (FR# 62,67)	X	X	X	
554 S		CONDENSER TUBE QTY. (FR# 70,75)	X	X	X	
554 T		CONDENSER TUBE QTY. (FR# 71,76)	X	X	X	
554 U		CONDENSER TUBE QTY. (FR# 72,77)	X	X	X	
554 V		CONDENSER TUBE QTY. (FR# 80,85)	X	X	X	
554 W		CONDENSER TUBE QTY. (FR# 81,86)	X	X	X	
554 X		CONDENSER TUBE QTY. (FR# 82,87)	X	X	X	
555 A		COOL. W/B GSKT. NIH 150 PSI (FR#1)	(2) 10XR15000201	X	X	
555 B		COOL. W/B GSKT. NIH 300 PSI (FR#1)	(2) 10XR15000201	X	X	
555 C		COOL. W/B GSKT. NIH 150 PSI (FR#2)	(2) 10XR35000201	X	X	
555 D		COOL. W/B GSKT. NIH 300 PSI (FR#2)	(2) 10XR35000201	X	X	
555 E		COOL. W/B GSKT. NIH 150 PSI (FR#3)	(2) 10XR35000201	(2) ->	(2) ->	
555 F		COOL. W/B GSKT. NIH 300 PSI (FR#3)	(2) 10XR35000201	(2) ->	(2) ->	
555 G		COOL. W/B GSKT. NIH 150 PSI (FR#4)	X	(2) 09XR45000801	(2) ->	
555 H		COOL. W/B GSKT. NIH 300 PSI (FR#4)	X	(2) 09XR45001001	(2) ->	
555 I		COOL. W/B GSKT. NIH 150 PSI (FR#5)	X	(2) 09XR55000801	(2) ->	
555 J		COOL. W/B GSKT. NIH 300 PSI (FR#5)	X	(2) 09XR55001001	(2) ->	
555 K		COOL. W/B GSKT. NIH 150 PSI (FR#6)	X	X	X	
555 L		COOL. W/B GSKT. NIH 300 PSI (FR#6)	X	X	X	
555 M		COOL. W/B GSKT. NIH 150 PSI (FR#7)	X	X	X	
555 N		COOL. W/B GSKT. NIH 300 PSI (FR#7)	X	X	X	
555 O		COOL. W/B GSKT. NIH 150 PSI (FR#8)	X	X	X	
555 P		COOL. W/B GSKT. NIH 300 PSI (FR#8)	X	X	X	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
556 A		COND. W/B GSKT. NIH 150 PSI (FR#1)	(2) 10XR15000201	X	X	
556 B		COND. W/B GSKT. NIH 300 PSI (FR#1)	(2) 10XR15000201	X	X	
556 C		COND. W/B GSKT. NIH 150 PSI (FR#2)	(2) 09XB45001101	X	X	
556 D		COND. W/B GSKT. NIH 300 PSI (FR#2)	(2) 09XB45001101	X	X	
556 E		COND. W/B GSKT. NIH 150 PSI (FR#3)	(2) 09XB45001101	(2) ->	(2) ->	
556 F		COND. W/B GSKT. NIH 300 PSI (FR#3)	(2) 09XB45001101	(2) ->	(2) ->	
556 G		COND. W/B GSKT. NIH 150 PSI (FR#4)	X	(2) 09XR45000801	(2) ->	
556 H		COND. W/B GSKT. NIH 300 PSI (FR#4)	X	(2) 09XR45001001	(2) ->	
556 I		COND. W/B GSKT. NIH 150 PSI (FR#5)	X	(2) 09XR55000801	(2) ->	
556 J		COND. W/B GSKT. NIH 300 PSI (FR#5)	X	(2) 09XR55001001	(2) ->	
556 K		COND. W/B GSKT. NIH 150 PSI (FR#6)	X	X	X	
556 L		COND. W/B GSKT. NIH 300 PSI (FR#6)	X	X	X	
556 M		COND. W/B GSKT. NIH 150 PSI (FR#7)	X	X	X	
556 N		COND. W/B GSKT. NIH 300 PSI (FR#7)	X	X	X	
556 O		COND. W/B GSKT. NIH 150 PSI (FR#8)	X	X	X	
556 P		COND. W/B GSKT. NIH 300 PSI (FR#8)	X	X	X	
557		FRAME #2 COOL. MARINE W/B GSKT. ONLY	SEE NOTES FOR USAGE	X	X	
557 A		COOL. W/B GSKT. MARINE 150 PSI(FR#2)	(2) 10XR35001001	X	X	
		Note: Used On 1 And 3 Pass Frame #2 Coolers, Nozzle And Blank End.				
557 B		COOL. W/B GSKT. MARINE 150 PSI(FR#2)	10XR35001001	X	X	
		Note: Used On 2 Pass Frame #2 Coolers, Nozzle End Only.				
557 C		COOL. W/B GSKT. MARINE 150 PSI(FR#2)	10XR35000201	X	X	
		Note: Used On 2 Pass Frame #2 Coolers, Blank End Only.				
557 D		COOL. W/B GSKT. MARINE 300 PSI(FR#2)	(2) 10XR35001101	X	X	
		Note: Used On 1 And 3 Pass Frame #2 Coolers, Nozzle And Blank End.				
557 E		COOL. W/B GSKT. MARINE 300 PSI(FR#2)	10XR35001101	X	X	
		Note: Used On 2 Pass Frame #2 Coolers, Nozzle End Only.				
557 F		COOL. W/B GSKT. MARINE 300 PSI(FR#2)	09XB55009101	X	X	
		Note: Used On 2 Pass Frame #2 Coolers, Blank End Only.				
557 G		FRAME #3 COOL. MARINE W/B GSKT. ONLY	SEE NOTES FOR USAGE	->	->	
557 H		COOL. W/B GSKT. MARINE 150 PSI(FR#3)	(2) 10XR35001001	(2) ->	(2) ->	
		Note: Used On 1 And 3 Pass Frame #3 Coolers, Nozzle And Blank End.				
557 I		COOL. W/B GSKT. MARINE 150 PSI(FR#3)	10XR35001001	->	->	
		Note: Used On 2 Pass Frame #3 Coolers, Nozzle End Only.				
557 J		COOL. W/B GSKT. MARINE 150 PSI(FR#3)	10XR35000201	->	->	
		Note: Used On 2 Pass Frame #3 Coolers, Blank End Only.				
557 K		COOL. W/B GSKT. MARINE 300 PSI(FR#3)	(2) 10XR35001101	(2) ->	(2) ->	
		Note: Used On 1 And 3 Pass Frame #3 Coolers, Nozzle And Blank End.				
557 L		COOL. W/B GSKT. MARINE 300 PSI(FR#3)	10XR35001101	->	->	
		Note: Used On 2 Pass Frame #3 Coolers, Nozzle End Only.				
557 M		COOL. W/B GSKT. MARINE 300 PSI(FR#3)	09XB55009101	->	->	
		Note: Used On 2 Pass Frame #3 Coolers, Blank End Only.				
557 N		COOL. W/B GSKT. MARINE 150 PSI(FR#4)	X	(2) 09XR45000801	(2) ->	
557 O		COOL. W/B GSKT. MARINE 300 PSI(FR#4)	X	(2) 09XR45001001	(2) ->	
557 P		COOL. W/B GSKT. MARINE 150 PSI(FR#5)	X	(2) 09XR55000801	(2) ->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
557 Q		COOL. W/B GSKT. MARINE 300 PSI(FR#5)	X	(2) 09XR55001001	(2) ->	
557 R		COOL. W/B GSKT. MARINE 150 PSI(FR#6)	X	X	X	
557 S		COOL. W/B GSKT. MARINE 300 PSI(FR#6)	X	X	X	
557 T		COOL. W/B GSKT. MARINE 150 PSI(FR#7)	X	X	X	
557 U		COOL. W/B GSKT. MARINE 300 PSI(FR#7)	X	X	X	
557 V		COOL. W/B GSKT. MARINE 150 PSI(FR#8)	X	X	X	
557 W		COOL. W/B GSKT. MARINE 300 PSI(FR#8)	X	X	X	
558		FRAME #2 COND. MARINE W/B GSKT. ONLY	SEE NOTES FOR USAGE	X	X	
558 A		COND. W/B GSKT. MARINE 150 PSI(FR#2)	09XR35001001	X	X	
		Note: Used On 2 Pass Frame #2 Condensers, Nozzle End Only.				
558 B		COND. W/B GSKT. MARINE 150 PSI(FR#2)	09XB45001101	X	X	
		Note: Used On 2 Pass Frame #2 Condensers, Blank End Only.				
558 C		COND. W/B GSKT. MARINE 300 PSI(FR#2)	09XB45002401	X	X	
		Note: Used On 2 Pass Frame #2 Condensers, Nozzle End Only.				
558 D		COND. W/B GSKT. MARINE 300 PSI(FR#2)	09XB45002801	X	X	
		Note: Used On 2 Pass Frame #2 Condensers, Blank End Only.				
558 E		FRAME #3 COND. MARINE W/B GSKT. ONLY	SEE NOTES FOR USAGE	->	->	
558 F		COND. W/B GSKT. MARINE 150 PSI(FR#3)	09XR35001001	->	->	
		Note: Used On 2 Pass Frame #3 Condensers, Nozzle End Only.				
558 G		COND. W/B GSKT. MARINE 150 PSI(FR#3)	09XB45001101	->	->	
		Note: Used On 2 Pass Frame #3 Condensers, Blank End Only.				
558 H		COND. W/B GSKT. MARINE 300 PSI(FR#3)	09XB45002401	->	->	
		Note: Used On 2 Pass Frame #3 Condensers, Nozzle End Only.				
558 I		COND. W/B GSKT. MARINE 300 PSI(FR#3)	09XB45002801	->	->	
		Note: Used On 2 Pass Frame #3 Condensers, Blank End Only.				
558 J		COND. W/B GSKT. MARINE 150 PSI(FR#4)	X	(2) 09XR45000801	(2) ->	
558 K		COND. W/B GSKT. MARINE 300 PSI(FR#4)	X	(2) 09XR45001001	(2) ->	
558 L		COND. W/B GSKT. MARINE 150 PSI(FR#5)	X	(2) 09XR55000801	(2) ->	
558 M		COND. W/B GSKT. MARINE 300 PSI(FR#5)	X	(2) 09XR55001001	(2) ->	
558 N		COND. W/B GSKT. MARINE 150 PSI(FR#6)	X	X	X	
558 O		COND. W/B GSKT. MARINE 300 PSI(FR#6)	X	X	X	
558 P		COND. W/B GSKT. MARINE 150 PSI(FR#7)	X	X	X	
558 Q		COND. W/B GSKT. MARINE 300 PSI(FR#7)	X	X	X	
558 R		COND. W/B GSKT. MARINE 150 PSI(FR#8)	X	X	X	
558 S		COND. W/B GSKT. MARINE 300 PSI(FR#8)	X	X	X	
559		GASKET,DIVISION PLATE (25' ROLL)	19XB680001	->	->	
560		FRAME #4 COOL. MARINE W/B & DISHED H	X	SEE NOTES FOR USAGE	->	
560 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	09XR45000801	->	
		Note: Used On Frame #4 Coolers, Marine W/B End Only.				
560 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	09XR05007001	->	
		Note: Used On Frame #4 Coolers, Dished Head End Only.				
561		FRAME #4 COOL. DISHED HEADS BOTH END	X	SEE NOTES FOR USAGE	->	
561 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	(2) 09XR05007001	(2) ->	
		Note: Used On Frame #4 Coolers, Both Dished Head Ends.				
562		FRAME #5 COOL. MARINE W/B & DISHED H	X	SEE NOTES FOR USAGE	->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
562 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	09XR55000801	->	
		Note: Used On Frame #5 Coolers,	Marine W/B End Only.			
562 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	09XR05007002	->	
		Note: Used On Frame #5 Coolers,	Dished Head End Only.			
563		FRAME #5 COOL. DISHED HEADS BOTH END	X	SEE NOTES FOR USAGE	->	
563 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	(2) 09XR05007002	(2) ->	
		Note: Used On Frame #5 Coolers,	Both Dished Head Ends.			
564		FRAME #6 COOL. MARINE W/B & DISHED H	X	X	X	
564 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	X	X	
		Note: Used On Frame #6 Coolers,	Marine W/B End Only.			
564 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	X	X	
		Note: Used On Frame #6 Coolers,	Dished Head End Only.			
565		FRAME #6 COOL. DISHED HEADS BOTH END	X	X	X	
565 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	X	X	
		Note: Used On Frame #6 Coolers,	Both Dished Head Ends.			
566		FRAME #7 COOL. MARINE W/B & DISHED H	X	X	X	
566 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	X	X	
		Note: Used On Frame #7 Coolers,	Marine W/B End Only.			
566 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	X	X	
		Note: Used On Frame #7 Coolers,	Dished Head End Only.			
567		FRAME #7 COOL. DISHED HEADS BOTH END	X	X	X	
567 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	X	X	
		Note: Used On Frame #7 Coolers,	Both Dished Head Ends.			
568		FRAME #8 COOL. MARINE W/B & DISHED H	X	X	X	
568 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	X	X	
		Note: Used On Frame #8 Coolers,	Marine W/B End Only.			
568 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	X	X	
		Note: Used On Frame #8 Coolers,	Dished Head End Only.			
569		FRAME #8 COOL. DISHED HEADS BOTH END	X	X	X	
569 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	X	X	
		Note: Used On Frame #8 Coolers,	Both Dished Head Ends.			
570		FRAME #4 COND. MARINE W/TI TUBE SHT	X	SEE NOTES FOR USAGE	->	
570 A		COND. HEAD GSKT. MARINE END (FR#4)	X	09XR45000801	->	
		Note: Used On Frame #4 Condensers,	Marine W/B Head Only.			
570 B		COND. HEAD GSKT. MARINE END (FR#4)	X	09XR45001601	->	
		Note: Used On Frame #4 Condensers,	Marine W/B To Mach. Connection Only.			
570 C		COND. HEAD GSKT. DISHED END (FR#4)	X	09XR05007001	->	
		Note: Used On Frame #4 Condensers,	Dished Head End Only.			
571		FRAME #4 COND. MARINE W/B	X	SEE NOTES FOR USAGE	->	
571 A		COND. HEAD GSKT. MARINE W/B END (FR#	X	09XR45000801	->	
		Note: Used On Frame #4 Condensers,	Marine W/B End Only.			
571 B		COND. HEAD GSKT. DISHED HEAD END (FR	X	09XR05007001	->	
		Note: Used On Frame #4 Condensers,	Dished Head End Only.			
572		FRAME #4 COND. DISHED HEADS	X	SEE NOTES FOR USAGE	->	
572 A		COND. HEAD GSKT. DISHED HEADS (FR#4)	X	(2) 09XR05007001	(2) ->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
		Note: Used On Frame #4 Condensers, Both Dished Head Ends.				
573		FRAME #5 COND. MARINE W/TI TUBE SHT	X	SEE NOTES FOR USAGE	->	
573 A		COND. HEAD GSKT. MARINE END (FR#5)	X	09XR55000801	->	
		Note: Used On Frame #5 Condensers, Marine W/B Head Only.				
573 B		COND. HEAD GSKT. MARINE END (FR#5)	X	09XR55001601	->	
		Note: Used On Frame #5 Condensers,Marine W/B To Mach. Connection Only.				
573 C		COND. HEAD GSKT. DISHED END (FR#5)	X	09XR05007002	->	
		Note: Used On Frame #5 Condensers, Dished Head End Only.				
574		FRAME #5 COND. MARINE W/B	X	SEE NOTES FOR USAGE	->	
574 A		COND. HEAD GSKT. MARINE W/B END (FR#	X	09XR55000801	->	
		Note: Used On Frame #5 Condensers, Marine W/B End Only.				
574 B		COND. HEAD GSKT. DISHED HEAD END (FR	X	09XR05007002	->	
		Note: Used On Frame #5 Condensers, Dished Head End Only.				
575		FRAME #5 COND. DISHED HEADS	X	SEE NOTES FOR USAGE	->	
575 A		COND. HEAD GSKT. DISHED HEADS (FR#5)	X	(2) 09XR05007002	(2) ->	
		Note: Used On Frame #5 Condensers, Both Dished Head Ends.				
576		FRAME #6 COND. MARINE W/TI TUBE SHT	X	X	X	
576 A		COND. HEAD GSKT. MARINE END (FR#6)	X	X	X	
		Note: Used On Frame #6 Condensers, Marine W/B Head Only.				
576 B		COND. HEAD GSKT. MARINE END (FR#6)	X	X	X	
		Note: Used On Frame #6 Condensers,Marine W/B To Mach. Connection Only.				
576 C		COND. HEAD GSKT. DISHED END (FR#6)	X	X	X	
		Note: Used On Frame #6 Condensers, Dished Head End Only.				
577		FRAME #6 COND. MARINE W/B	X	X	X	
577 A		COND. HEAD GSKT. MARINE W/B END (FR#	X	X	X	
		Note: Used On Frame #6 Condensers, Marine W/B End Only.				
577 B		COND. HEAD GSKT. DISHED HEAD END (FR	X	X	X	
		Note: Used On Frame #6 Condensers, Dished Head End Only.				
578		FRAME #6 COND. DISHED HEADS	X	X	X	
578 A		COND. HEAD GSKT. DISHED HEADS (FR#6)	X	X	X	
		Note: Used On Frame #6 Condensers, Both Dished Head Ends.				
579		FRAME #7 COND. MARINE W/TI TUBE SHT	X	X	X	
579 A		COND. HEAD GSKT. MARINE END (FR#7)	X	X	X	
		Note: Used On Frame #7 Condensers, Marine W/B Head Only.				
579 B		COND. HEAD GSKT. MARINE END (FR#7)	X	X	X	
		Note: Used On Frame #7 Condensers,Marine W/B To Mach. Connection Only.				
579 C		COND. HEAD GSKT. DISHED END (FR#7)	X	X	X	
		Note: Used On Frame #7 Condensers, Dished Head End Only.				
580		FRAME #7 COND. MARINE W/B	X	X	X	
580 A		COND. HEAD GSKT. MARINE W/B END (FR#	X	X	X	
		Note: Used On Frame #7 Condensers, Marine W/B End Only.				
580 B		COND. HEAD GSKT. DISHED HEAD END (FR	X	X	X	
		Note: Used On Frame #7 Condensers, Dished Head End Only.				
581		FRAME #7 COND. DISHED HEADS	X	X	X	
581 A		COND. HEAD GSKT. DISHED HEADS (FR#7)	X	X	X	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MACHINE ARRANGEMENT & PIPING				
		Note: Used On Frame #7 Condensers, Marine W/B End Only.				
582		FRAME #8 COND. MARINE W/TI TUBE SHT	X	X	X	
582	A	COND. HEAD GSKT. MARINE END (FR#8)	X	X	X	
		Note: Used On Frame #8 Condensers, Marine W/B Head Only.				
582	B	COND. HEAD GSKT. MARINE END (FR#8)	X	X	X	
		Note: Used On Frame #8 Condensers,Marine W/B To Mach. Connection Only.				
582	C	COND. HEAD GSKT. DISHED END (FR#8)	X	X	X	
		Note: Used On Frame #8 Condensers, Dished Head End Only.				
583		FRAME #8 COND. MARINE W/B	X	X	X	
583	A	COND. HEAD GSKT. MARINE W/B END (FR#	X	X	X	
		Note: Used On Frame #8 Condensers, Marine W/B End Only.				
583	B	COND. HEAD GSKT. DISHED HEAD END (FR	X	X	X	
		Note: Used On Frame #8 Condensers, Dished Head End Only.				
584		FRAME #8 COND. DISHED HEADS	X	X	X	
584	A	COND. HEAD GSKT. DISHED HEADS (FR#8)	X	X	X	
		Note: Used On Frame #8 Condensers, Both Dished Head Ends.				
585		FRAME #4 COND. W/BOLTED ON HEADS	X	SEE NOTES FOR USAGE	->	
585	A	COND. W/B GSKT. W/BOLTED HEADS (FR#4	X	09XR45000801	->	
		Note: Used On Frame #4 Condensers, Marine W/B Cover Only.				
585	B	COND. W/B GSKT. W/BOLTED HEADS (FR#4	X	(3) 09XR45001601	(3) ->	
		Note: Used On Frame #4 Condensers, Marine W/B To Machine Connection,				
		Blank End To Machine Connection And Blank End Cover.				
586		FRAME #5 COND. W/BOLTED ON HEADS	X	SEE NOTES FOR USAGE	->	
586	A	COND. W/B GSKT. W/BOLTED HEADS (FR#5	X	09XR55000801	->	
		Note: Used On Frame #5 Condensers, Marine W/B Cover Only.				
586	B	COND. W/B GSKT. W/BOLTED HEADS (FR#5	X	(3) 09XR55001601	(3) ->	
		Note: Used On Frame #5 Condensers, Marine W/B To Machine Connection,				
		Blank End To Machine Connection And Blank End Cover.				
587		FRAME #6 COND. W/BOLTED ON HEADS	X	X	X	
587	A	COND. W/B GSKT. W/BOLTED HEADS (FR#6	X	X	X	
		Note: Used On Frame #6 Condensers, Marine W/B Cover Only.				
587	B	COND. W/B GSKT. W/BOLTED HEADS (FR#6	X	X	X	
		Note: Used On Frame #6 Condensers, Marine W/B To Machine Connection,				
		Blank End To Machine Connection And Blank End Cover.				
		HOT GAS BYPASS				
588		VALVE,SOLENOID (FR# 1,2,3,4,5,6 COND	EF28BS451	->	->	
589		REBUILD KIT,SOLENOID VALVE ITEM# 588	KS-E42	->	->	
590		VALVE,SOLENOID (FR#7,8 COND. ONLY)	X	X	X	
591	A	PILOT RELAY (FR# 1,2,3,4,5,6, COND.)	HN61KK224	->	->	
591	B	PILOT RELAY (FR# 7,8 COND. ONLY)	X	X	X	
592		VALVE,BALL (1-5/8")	EP71BA451	->	EP71BA471	
592	A	O-RING (HGBP LINE)	X	X	KK71EW229	

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PUMPDOWN ASSEMBLY				
640 A		PUMPDOWN ASSEMBLY (208-3-60)	19EA411113	->	->	
640 B		PUMPDOWN ASSEMBLY (230-3-60)	19EA421113	->	->	
640 C		PUMPDOWN ASSEMBLY (400/460-3-50/60)	19EA431113	->	->	
640 D		PUMPDOWN ASSEMBLY (575-3-60)	19EA461113	->	->	
641 A		COMPRESSOR ASY (208/230-3-60)	06DM8086GC3250	->	->	
641 B		COMPRESSOR ASY (400/460-3-50/60)	06DM8086GC3650	->	->	
641 C		COMPRESSOR ASY (575-3-60)	06DM8086GC3150	->	->	
642	N	GASKET SET	6D43172	->	->	
643	N	VALVE PLATE PACKAGE (1-13/16" BORE	NO LONGER AVAILABLE	->	->	
		Includes: Items #644 - 650.				
644	N	VALVE PLATE ASY	NO LONGER AVAILABLE	->	->	
645	N	DISCHARGE VALVE	(2) 6D751062	(2) ->	(2) ->	
646	N	DISCHARGE VALVE STOP	(2) 6D751072	(2) ->	(2) ->	
647	N	SUCTION VALVE SPRING	(2) 6D401021	(2) ->	(2) ->	
648	N	SUCTION VALVE	(2) 6D451072	(2) ->	(2) ->	
649	N	GASKET,VALVE PLATE	6D401073	->	->	
650	N	GASKET,CYLINDER HEAD	05GA502213	->	->	
651		VALVE PLATE PACKAGE (2" BORE)	06DA660120	->	->	
		Includes: Items 652 - 660.				
652		VALVE PLATE ASY.	06DA404674	->	->	
653		GASKET,VALVE PLATE	05DA500153	->	->	
654		GASKET,CYLINDER HEAD (PLAIN)	05GA502213	->	->	
655		GASKET,CYLINDER HEAD (S.C.O.U.)	05GA502223	->	->	
656		SUCTION VALVE	(2) 06DA502903	(2) ->	(2) ->	
657		SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->	(2) ->	
658		GASKET,CYLINDER HEAD (CENTER BAN	05GA502173	->	->	
659		GASKET,VALVE PLATE (LESS I PORT)	06DA502923	->	->	
660		DOWEL PIN	7J16032	->	->	
661	N	PISTON & PIN PACKAGE	(2) 6D68962	(2) ->	(2) ->	
662	N	ECCENTRIC STRAP	(2) 5D401372	(2) ->	(2) ->	
663	N	COMPRESSION RING	(2) AU50CP355	(2) ->	(2) ->	
664	N	BEARING HEAD ASY	06DA660060	->	->	
665	N	OIL FILTER ASY	6D40103	->	->	
666		SERVICE VALVE PKG. (SUCTION)	5F20660002	->	->	
		Includes: Item #667.				
667		GASKET,SUCTION VALVE	6D231421	->	->	
668		SERVICE VALVE PKG. (DISCHARGE)	06DA660060	->	->	
		Includes: Item #669.				
669		GASKET,DISCHARGE VALVE	6D231421	->	->	
670		CONDENSER ASY	19EA41531	->	->	
		Includes: Items #671 - 672.				
671		TRY COCK ASY	7F0132	->	->	
672		VALVE,LIQUID	EP12BH211	->	->	
673		COMPR.OVERLOAD(30A)(FURNAS-MAN RESET	HN68JX003	->	->	
674 A		OVERLOAD HEATER (208V)	(3) HN71JC050	(3) ->	(3) ->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PUMPDOWN ASSEMBLY				
674 B		OVERLOAD HEATER (230V)	(3) HN71JC049	(3) ->	(3) ->	
674 C		OVERLOAD HEATER (460V)	(3) HN71JC036	(3) ->	(3) ->	
674 D		OVERLOAD HEATER (575V)	(3) HN71JC031	(3) ->	(3) ->	
675		CONTROL BOX COVER	07DA500002	->	->	
676		CONTROL BOX ASSEMBLY	19EA41588	->	->	
		Includes: Items #677 - 683.				
677		TERMINAL BLOCK	HY84EG017	->	->	
678		CONTACTOR	HN53CD115	->	->	
679		PRESSURE STAT	HK01UA181	->	->	
680		SWITCH,TOGGLE	HR53ZA035	->	->	
681		FUSE HOLDER	HKP-HH	->	->	
682		FUSE (3 AMP)	AGC3	->	->	
683		GROMMET	KA56XM040	->	->	
684		SAFETY HEAD	EB51LR385	->	->	
685		OIL SEPERATOR	KH31LZ008	->	->	
686		GASKET,OIL SEPERATOR	KY31LY003LA	->	->	
687		VALVE,DIAPHRAGM (1/2")	(4) A-14841	(4) ->	(4) ->	
688		VALVE,ANGLE	EP23LA211	->	->	
689		GASKET,CAPSCREW (5/16")	(4) AU51YA003	(4) ->	(4) ->	
690		GASKET,FLARE (1/2")	DD24FA151	->	->	
691		SPRING,COMPRESSOR MOUNTING	(4) 50K21231	(4) ->	(4) ->	
692		SPRING CUP,COMPRESSOR MOUNTING	(4) 50K41221	(4) ->	(4) ->	
700 A		PUMPOUT ASSEMBLY (208/230-3-50/60)	19XR04026501	->	->	
700 B		PUMPOUT ASSEMBLY (460-3-60)	19XR04026502	->	->	
700 C		PUMPOUT ASSEMBLY (400-3-50)	19XR04026503	->	->	
701		COUPLING (1/2 MFL X 1/2 ODS)	(2) DE08DA202	(2) ->	(2) ->	
702		VALVE,DIAPHRAGM (5/8 ODS)	(4) EP10BA211	(4) ->	(4) ->	
703		NUT,FLARE (1/4)	(2) DD02CA051	(2) ->	(2) ->	
704		ADAPTOR (5/8 ODF X 3/8 INT FPT)	DE06DA204	->	->	
705		VALVE,RELIEF (3/8)	EB51LZ188	->	->	
706		VALVE,CHECK (5/8)	EC31EZ212	->	->	
707 A		CONTROL PANEL (208/230-3-50/60)	19XR04028201	->	->	
707 B		CONTROL PANEL (460-3-60)	19XR04028202	->	->	
707 C		CONTROL PANEL (400-3-50)	19XR04028203	->	->	
708		SWITCH,HIGH PRESSURE	19XR05029201	->	->	
709		SWITCH,VACUUM	19XR05018801	->	->	
710		CONTACTOR	HN53CC115	->	->	
711 A		FUSE,PRIMARY (230V)(FU1 & FU2)	(2) KLDR 1/2	(2) ->	(2) ->	
711 B		FUSE,PRIMARY (460V)(FU1 & FU2)	(2) KLDR 1/4	(2) ->	(2) ->	
711 C		FUSE,PRIMARY (400V)(FU1 & FU2)	(2) KLDR 4/10	(2) ->	(2) ->	
712		FUSE (FU3)	KLDR 1/2	->	->	
713		BLOCK,TERMINAL (TB)	(6) 115188.11	(6) ->	(6) ->	
714 A		SWITCH,SELECTOR (ON/OFF)(SS1)	M3SS4-10B	->	->	
		Note: holder item number 714b should also be ordered.				
714 B		HOLDER,SWITCH	MCBH-00	->	->	

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		PUMPDOWN ASSEMBLY				
715		BLOCK,CONTACT (SS1)	(2) CBK-CB10	(2) ->	(2) ->	
716		HOLDER,FUSE (FU1,FU2,FU3)	(3) 0307220 14	(3) ->	(3) ->	
717 A		TRANSFORMER (230/460V)(XFMR)	1497-A-BASK-O-N	->	->	
717 B		TRANSFORMER (380/400/415)(XFMR)	1497-A-M4-O-N	->	->	
718		SEPARATOR,OIL	19XR05016701	->	->	
719		CONDENSER	19XR05020901	->	->	
720 A		COMPRESSOR (200/230V)	CS27K6E-TFS-970	->	->	
720 B		COMPRESSOR (380/420/460)	CS27K6E-TFD-970	->	->	
721		CRANKCASE HEATER (200/600V)	P041-4131	->	->	
722		NUT,FLARE (1/2)(PUMPOUT TO CLR&COND)	(4) DD01CA201	(4) ->	(4) ->	
723		COUPLING (1/2)(PUMPOUT TO CLR&COND)	(4) DD07DA201	(4) ->	(4) ->	
		CONTROL PANEL/ VAR. FREQ. DRIVE (VFD)				
800		VARI. FREQ. DRIVE (VFD)(LIQUID-FLO I	(LIQUID-FLO I)	->	->	
		Liquid-Flo I VFD's order number	on data plate start with "19XVR".			
801		RUN TEST SWITCH	111-16-73-XN	->	->	
802 A		BREAKER (414 AMPS)	19XV05004901	->	->	
		Liquid-Flo I VFD's with a 19XVR0414XXX	code number. See data plate.			
802 B		BREAKER (500 AMPS)	19XV05004902	->	->	
		Liquid-Flo I VFD's with a 19XVR0500XXX	code number. See data plate.			
802 C		BREAKER (643 AMPS)	X	X	X	
		Liquid-Flo I VFD's with a 19XVR0643XXX	code number. See data plate.			
803 A		MODULE,DRIVE (414 AMPS)	RX-41LR4060	->	->	
		Liquid-Flo I VFD's with a 19XVR0414XXX	code number. See data plate.			
803 B		MODULE,DRIVE (500 AMPS)	RX-50LR4060	->	->	
		Liquid-Flo I VFD's with a 19XVR0500XXX	code number. See data plate.			
803 C		MODULE,DRIVE (643 AMPS)	RX-64LR4060	->	->	
		Liquid-Flo I VFD's with a 19XVR0643XXX	code number. See data plate.			
804		REGULATOR CARD	179116	->	->	
805		REMOTE METER INTERFACE CARD	2SI3000	->	->	
806 A		POWER MOD. CONTROL CARD (414 AMP	179170	->	->	
806 B		POWER MOD. CONTROL CARD (500 AMP	179134	->	->	
806 C		POWER MOD. CONTROL CARD (643 AMP	179067	->	->	
807		BUS CONTROL CARD	179069	->	->	
808		SNUBBER RESISTOR KIT	RC-SNUBBER-C	->	->	
809 A		TRANSFORMER,CURRENT (414 AMPS)	(3) 19XV05005201	(3) ->	(3) ->	
		Liquid-Flo I VFD's with a 19XVR0414XXX	code number. See data plate.			
809 B		TRANSFORMER,CURRENT (500 AMPS)	(3) 19XV05005202	(3) ->	(3) ->	
		Liquid-Flo I VFD's with a 19XVR0500XXX	code number. See data plate.			
809 C		TRANSFORMER,CURRENT (643 AMPS)	(3) 19XV05005202	(3) ->	(3) ->	
		Liquid-Flo I VFD's with a 19XVR0643XXX	code number. See data plate.			
810		FUSE ASSEMBLY	(2) 19XV05005401	(2) ->	(2) ->	
811		RELAY	(3) 19XV05005502	(3) ->	(3) ->	
812		DISCONNECT SWITCH	19XV05005601	->	->	
813		GUARD,FAN	19XV05002501	->	->	
814		FAN	19XV05002502	->	->	

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		CONTROL PANEL/ VAR. FREQ. DRIVE (VFD)				
815 A		HANDLE,DISCONNECT (414 AMP)	NOT REQUIRED	->	->	
		Liquid-Flo I VFD's with a 19XVR0414XXX code number. See data plate.				
815 B		HANDLE,DISCONNECT (500 AMP)	19XV04004302	->	->	
		Liquid-Flo I VFD's with a 19XVR0500XXX code number. See data plate.				
815 C		HANDLE,DISCONNECT (643 AMP)	19XV04004303	->	->	
		Liquid-Flo I VFD's with a 19XVR0643XXX code number. See data plate.				
816		METER KIT	19XV05006601	->	->	
		Includes: Amp-meter current transformer, AC amp-meter switch, AC volt-				
		meter, AC voltmeter 0-600v, AC amp-meter 0-800 amps.				
817 A		TRANSFORMER,POTENTIAL (60 HERTZ)	(2) 19XV05007101	(2) ->	(2) ->	
		Liquid-Flo I VFD's all 60 hertz models.				
817 B		TRANSFORMER,POTENTIAL (50 HERTZ)	(2) 19XV05007102	(2) ->	(2) ->	
		Liquid-Flo I VFD's all 50 hertz models.				
818		TRANSFORMER	19XV05007201	->	->	
819		CIRCUIT BREAKER	19XV05007501	->	->	
820		FUSE (1 AMP)	(3) ATQR-1	(3) ->	(3) ->	
821		FUSE (15 AMP)	(3) 64676-75AD	(3) ->	(3) ->	
822		INTEGRATED STARTER MODULE (ISM)	19XR04012202	->	->	
823		O-RING	(2) KK71EW016	(2) ->	(2) ->	
850		VARI. FREQ. DRIVE (VFD)(LIQ.-FLO II)	(LIQUID-FLO II)	->	->	
851		VFD REFERENCE ONLY (DO NOT ORDER)	19XV04006401/6501	->	->	
852 A		CONTACTOR (2AA & 2CC)	(3) 320716	(3) ->	(3) ->	
		Liquid-Flo II VFD's with a 19XVA2AA or 19XVA2CC code. See data plate.				
852 B		CONTACTOR (4CC)	(3) 320720	(3) ->	(3) ->	
		Liquid-Flo II VFD's with a 19XVA4CCXXX order code. See data plate.				
853 A		POWER MODULE (2AA)	RX-LF200460CCR	->	->	
		Liquid-Flo II VFD's with a 19XVA2AAXXX code. See data plate.				
853 B		POWER MODULE (2CC)	RX-LF200608CCR	->	->	
		Liquid-Flo II VFD's with a 19XVA2CCXXX order code. See data plate.				
853 C		POWER MODULE (4CC)	RX-LF201215CCR	->	->	
		Liquid-Flo II VFD's with a 19XVA4CCXXX code. See data plate.				
854		SWITCH (3 POSITION)	178743	->	->	
855		AMPMETER	180621-Q01	->	->	
856		VOLTMETER	180620-Q01	->	->	
857		FAN,COOLING	(3) 69739-20R	(3) ->	(3) ->	
858 A		BOARD,COMM. (GATEWAY) (2AA)	180102	->	->	
		Liquid-Flo II VFD's with a 19XVA2AA order code. See data plate.				
858 B		BOARD,COMM. (GATEWAY) (2CC)	180102	->	->	
		Liquid-Flo II VFD's with a 19XVA2CC order code. See data plate.				
858 C		BOARD,COMM. (GATEWAY) (4CC)	180102	->	->	
		Liquid-Flo II VFD's with a 19XVA4CC order code. See data plate.				
		MISCELLANEOUS GROUP				
900	N	PAINT (SPRAY CAN)(GRAY)	PH23GH022	->	->	
901	N	PAINT (GALLON CAN)(GRAY)	PH23GH022G	->	->	
902	N	BRUSH,TUBE CLEANING (3/4" I.D.)	GTC-211 11/16	->	->	

CATALOG NO.: RCD-3519-061 REV. B
SUPERSEDES : RCD-3519-061 REV. A

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#2 COMPR. SIZE	19XR FR#3 COMPR. SIZE	19XR FR#3 (REB) COMPR. SIZE	
		MISCELLANEOUS GROUP				
903	N	COMPRESSOR OIL (1 GALLON)	PP23BZ103001	->	->	
904	N	COMPRESSOR OIL (5 GALLON)	PP23BZ103005	->	->	
905	N	COMPRESSOR OIL (55 GALLON)	PP23BZ103055	->	->	
906	N	INSULATION, SHEET (3/4 X 48 X 64)	QR0948486434	->	->	
907	N	UNIT LOGO "CARRIER"	(2) 19XB05010301	(2) ->	(2) ->	
		Note: For Any "Take Apart Kits" Or "Maintenance Kits" Refer				
		To "Kitting Program" Or Contact Your Carrier (RCD) Rep.				
908	N	FLOW SWITCH,DIFFERENTIAL PRESSURE	HK06ZC033	->	->	
909		LOGO "EVERGREEN"	19XR05004201	->	->	
910		GREASE,CONDUCTIVE (20 GRAM TUBE)	16JT8106657	->	->	

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		Sales Package Notes:				
		19XR FR#2 = 19XR Machine With Frame #2 Compressor & With Frame 1,2,3				
		Coolers And Condensers.				
		19XR FR#3 = 19XR Machine With Frame #3 Compressor Without Roller				
		Element Bearings & With Frame #3,4,5 Coolers & Condensers.				
		19XR FR#3 REB = 19XR Machine With Frame #3 Compressor With Roller				
		Element Bearings & Frame #3,4,5 Coolers & Condensers.				
		19XR FR#4 = 19XR Machine With Frame #4 Compressor Without Split Ring				
		Diffuser & With Frame #5,6,7 Coolers & Condensers, Built				
		Prior To January 2002.				
		19XR FR#4 2002 = 19XR Machine With Frame #4 Compressor Without Split				
		Ring Diffuer & With Frame #5,6,7 Coolers & Condensers				
		Built After December 2001.				
		19XR FR#4 SRD = 19XR Machine With Frame #4 Compressor With Split Ring				
		Diffuser & With Frame #5,6,7 Coolers & Condensers.				
		19XR FR#5 = 19XR Machine With Frame #5 Compressor & With Frame #7,8				
		Coolers & Condensers.				
		COMPRESSOR GROUP				
1 A		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 201,221,231,241,251,261,271,281,291,202,222				
		232,242,252,262,272,282,292				
1 B		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 203,223,233,243,253,263,273,283,293,204,224				
		234,244,254,264,274,284,294,205,225,235,245				
		255,265,275,285,295				
1 C		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 206,226,236,246,256,266,276,286,296,207,227				
		237,247,257,267,277,287,297				
1 D		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 208,228,238,248,258,268,278,288,298				
1 E		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 209,229,239,249,259,269,279,289,299				
1 F		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 321,331,341,351,361,371,381,391,301,3ZZ,322				
		332,342,352,362,372,382,392,302				
1 G		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 323,333,343,353,363,373,383,324,334,344,354				
		364,374,384,325,335,345,355,365,375,385				
		Note: Outside Diameter Of This Labrinth Is 6.30". Laby's 1G And 1H Are				
		Size Dependent, Refer To Service Bulletin C9812 For More Info.				
1 H		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 323,333,343,353,363,373,383,393,303,324,334				
		344,354,364,374,384,394,304,325,335,345				
		355,365,375,385,395,305				
		Note: Outside Diameter Of This Labrinth Is 6.20". Laby's 1G And 1H Are				
		Size Dependent, Refer To Service Bulletin C9812 For More Info.				

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
1 I		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 326,336,346,356,366,376,386,396,306,327,337				
		347,357,367,377,387,397,307,328,338,348				
		358,368,378,388,398,308				
1 J		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 329,339,349,359,369				
1 K		LABYRINTH,IMPELLER W/PIN PLUG IT#2	X	X	X	X
		Compressor Codes Used On: 379,389,399,309				
1 L		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660001	->	->	X
		Compressor Codes Used On: 421,431,441,451,461,471,481,422,432,442,452				
		462,472,482,423,433,443,453,463,473,483				
		4B1,4C1,4D1,4E1,4F1,4G1,4H1,4B2,4C2,4D2,4E2				
		4F2,4G2,4H2,4B3,4C3,4D3,4E3,4F3,4G3,4H3,4J1				
		4K1,4H2,4J2,4K2,4J3,4K3,4L1,4L2,4L3,4M1,4M2				
		4M3.				
1 M		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660002	->	->	X
		Compressor Codes Used On: 424,434,444,454,464,474,484,425,435,445,455				
		465,475,485,4B4,4C4,4D4,4E4,4F4,4G4,4H4,4B5				
		4C5,4D5,4E5,4F5,4G5,4H5,4J4,4K4,4J5,4K5,4L4				
		4L5,4M4,4M5.				
1 N		LABYRINTH,IMPELLER W/PIN PLUG IT#2	19XR660003	->	->	X
		Compressor Codes Used On: 426,436,446,456,466,476,486,4B6,4C6,4D6,4E6				
		4F6,4G6,4H6,4J6,4K6,4L6,4M6.				
1 R		LABYRINTH,IMPELLER W/PIN PLUG IT#2	CONTACT RCD	->	->	X
		Compressor Codes Used On: 427,437,447,457,467,477,487,428,438,448,458				
		468,478,488,429,439,449,459,469,479,489,4B7				
		4B8,4B9,4C7,4C8,4C9,4D7,4D8,4D9,4E7,4E8,4E9				
		4F7,4F8,4F9,4G7,4G8,4G9,4H7,4H8,4H9,4J7,4K7				
		4L7,4M7.				
1 S		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	19XR660036
		Compressor Codes Used On: 521,531,541				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2A.				
1 T		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	19XR660037
		Compressor Codes Used On: 501,551,561,571,581,591,502,522,532,542				
		552,562,572,582,592,523,533,543				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2B.				
1 U		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	19XR660038
		Compressor Codes Used On: 503,553,563,573,583,593				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2C.				
1 V		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	19XR660039
		Compressor Codes Used On: 504,524,534,544,554,564,574,584,594,525,535				
		And 545				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2D.				
1 W		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	19XR660040
		Compressor Codes Used On: 505,555,565,575,585,595,506,526,536				

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
		546,556,566,576,586,596,527,537,547				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2E.				
1 X		LABYRINTH,IMPELLER (SSN 0102QXXXXX)	X	X	X	19XR660041
		Compressor Codes Used On: 507,557,567,577,587,597,508,528,538,548,558				
		568,578,588,598,509,529,539,549,559,569,579				
		589,599				
		For Machines Built Prior To s/n 0102QXXXXX See Item 2F.				
2		PIN PLUG (ALUM)(INCL. IN ITEM #1)	AX17VP025	->	->	X
2 A		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	02XR54004501
		Compressor Codes Used On: 521,531,541				
		For Machines Built After s/n 0102QXXXXX See Item 1S.				
2 B		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	02XR54004502
		Compressor Codes Used On: 501,551,561,571,581,591,502,522,532,542				
		552,562,572,582,592,523,533,543				
		For Machines Built After s/n 0102QXXXXX See Item 1T.				
2 C		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	02XR54004503
		Compressor Codes Used On: 503,553,563,573,583,593				
		For Machines Built After s/n 0102QXXXXX See Item 1U.				
2 D		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	02XR54004504
		Compressor Codes Used On: 504,524,534,544,554,564,574,584,594,525,535				
		And 545				
		For Machines Built After s/n 0102QXXXXX See Item 1V.				
2 E		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	02XR54004505
		Compressor Codes Used On: 505,555,565,575,585,595,506,526,536,546,556				
		566,576,586,596,527,537,547				
		For Machines Built After s/n 0102QXXXXX See Item 1W.				
2 F		LABYRINTH,IMPELLER (PSN 0102QXXXXX)	X	X	X	02XR54004506
		Compressor Codes Used On: 507,557,567,577,587,597,508,528,538,548,558				
		568,578,588,598,509,529,539,549,559,569,579				
		589,599				
		For Machines Built After s/n 0102QXXXXX See Item 1X.				
3		SPACER,IMPELLER	02XB35006801	->	->	02XR55006601
4		KEY,IMPELLER	X	(2) 02XR45006502	(2) ->	(2) 02XR55003601
4 A		KEY,IMPELLER (SMALL DIA. SHAFT)	(2) 02XR45006501	X	X	X
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
4 B		KEY,IMPELLER (LARGE DIA. SHAFT)	(2) 02XR45006502	X	X	X
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
5		SHIM,IMPELLER	X	02XR35003701	->	02XR55006301
5 A		SHIM,IMPELLER (SMALL DIA. SHAFT)	02XR45006301	X	X	X
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
5 B		SHIM,IMPELLER (LARGE DIA. SHAFT)	02XB35006901	X	X	X
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				
6		WASHER,IMPELLER	X	X	X	AU04AQ331
6 A		WASHER,IMPELLER (SMALL DIA. SHAFT)	02XB05002701	X	X	X
		Important! For Proper Selection Refer To Chart #2 On Graphic 19061004.				

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
6 B		WASHER,IMPELLER (LARGE DIA. SHAFT)	02XB05002702	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
7		WASHER,HARD	(5) AU04AQ301	(2) ->	(5) AU04AV301	(5) AU04AQ391
8		WASHER,SEALING	(6) AU52NA171	(6) ->	(6) ->	(6) ->
9		"O" RING (22" DIA)	KK71EW471	->	->	X
		Note: "O" Ring Groove Must Be Measured To Determine Proper Size.				
10		"O" RING (24" DIA)	KK71EW473	->	->	X
		Note: "O" Ring Groove Must Be Measured To Determine Proper Size.				
11		"O" RING (MOTOR COVER)	X	X	X	KK71EU172
12		"O" RING (MTR HSG/TRANS)	(2) KK71EW472	(2) ->	(2) ->	(2) KK71EU172
13		"O" RING (DIFFUSER/BASE)	KK71EW471	->	->	KK71EU172
14		"O" RING (OUTER DIFF)	KK71EW474	KK71EW476	KK71EW474	KK71EU173
15		"O" RING (INNER DIFF)	KK71GX132	X	KK71GX132	X
16		"O" RING (SUCT HSG)	KK71EW476	KK71EW501	KK71EW476	KK71EU174
17		"O" RING (OIL PUMP)	KK71EW268	->	->	->
18		"O" RING (LABY GAS)	KK71EW015	->	->	->
19		"O" RING (LABY/TRANS)	KK71EW263	->	->	KK71EW269
20		"O" RING (OIL COOL)	(2) KK71EW223	(2) ->	(2) ->	->
21		"O" RING (COOLING OIL LINE)	X	X	X	(2) KK71EW223
22		"O" RING (OIL HEATER)	X	X	X	X
23		NOSE PIECE	X	X	02XR45014001	02XR55009801
23 A		NOSE PIECE (SMALL DIA. SHAFT)	02XR45006401	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
23 B		NOSE PIECE (LARGE DIA. SHAFT)	02XR45009201	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
23 C		NOSE PIECE (PSN 0102QXXXXX)	X	02XR45009201	X	X
23 D		NOSE PIECE (SSN 0102QXXXXX)	X	02XR45014001	X	X
24		"O" RING (EQUAL LINE)	(2) KK71EW223	->	->	(2) KK71EW229
25		FLANGE (2-BOLT,O-RING KK71EW223)	DK24CA727	->	->	X
26		FLANGE (4-BOLT,O-RING KK71EW229)	X	02XR05005301	->	DK16CB302
27		"O" RING (EQUAL LINE)	X	KK71EW229	->	X
28		FLANGE (4-BOLT,O-RING KK71EW229)	X	X	X	(2) DK16CA250
29		ROLL PIN	(2) AX14CA096	(2) ->	(2) ->	(2) AX14CA168
29 A		ROLL PIN (SMALL DIA. SHAFT)	X	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
29 B		ROLL PIN (LARGE DIA. SHAFT)	X	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
30		CAP SCREW,IMPELLER	X	AA03AA268	->	AA44AA329
30 A		CAP SCREW,IMPELLER(SMALL DIA. SHAFT)	AA44AA237	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
30 B		CAP SCREW,IMPELLER(LARGE DIA. SHAFT)	AA03AA268	X	X	X
		Important! For Proper Selection	Refer To Chart #2 On Graphic 19061004.			
31		VALVE,SHUT-OFF	EN07AA285	(2) 02XR05005001	(2) ->	EN07AA285
32		SEGMENT ASSEMBLY	(4) 02XR44002101	(4) 02XR44011001	(4) 02XR44002101	USE 4 ITEM #34
33 A		SEGMENT ASSEMBLY (321 - 359 COMPR.)	X	X	X	X

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
33 B		SEGMENT ASSEMBLY (361 - 389 COMPR.)	X	X	X	X
34		SEGMENT ASSEMBLY	X	X	X	(4) 02XR54001201
35		PLUG,O-RING SEAL (SEGMENT ASY'S)	(8) CA64AM225	(8) ->	(8) ->	(8) ->
		Includes: Item #36.				
36	N	"O" RING,PLUG SEAL	KK71EW910	->	->	->
37		ELL CONNECTOR(3/4 X 3/8 FLX1 1/16-12	02XR45008101	X	X	(2) 02XR55005601
		Includes: Item #38.				
38		"O" RING,ELL CONNECTOR	KK71EW912	X	X	KK71EW912
39		COUPLING,MOTOR COOLING	X	DE08DA101	->	X
40		SIGHT GLASS	(3) KM36BS162	(3) ->	(3) ->	(3) ->
		Includes: Item #41.				
41		"O" RING,SIGHT GLASS	KK71EW920	->	->	->
42		DEMISTER ASSEMBLY	02XR44001801	02XR04001101	->	02XR34003301
		Includes: Items #43 - 54.				
42 A		DEMISTER ASSEMBLY (SSN 1504Q)	X	X	X	X
		Includes: Items #44 - 54a				
42 B		DEMISTER ASSEMBLY (SSN 2704Q)	X	X	X	02XR04001101
43		HOUSING,DEMISTER	02XR44001901	X	X	02XR34003201
44		SUPPORT,DEMISTER	X	02XR25002501	->	->
45		FILTER,DEMISTER	02XB35017601	02XR05006501	->	02XR35007301
45 A		FILTER,DEMISTER (SSN 1504Q)	X	X	X	X
45 B		FILTER,DEMISTER (SSN 2704Q)	X	X	X	02XR05006501
46		SUPPORT,DEMISTER	02XB35017701	X	X	02XR35007401
47		COVER,DEMISTER	X	02XR05005801	->	->
48		SUPPORT,DEMISTER	02XB35017501	X	X	02XR35007201
49		COVER,DEMISTER	X	02XR05005901	->	->
50		SUPPORT,DEMISTER	02XR45007801	X	X	02XR35007601
51		SUPPORT,DEMISTER PLATE	X	02XR05006001	->	->
52		SPACER	(2) 02XB35003801	(2) ->	(2) ->	(2) ->
52 A		SPACER (SSN 1504Q)	X	X	X	X
53		FILTER,DEMISTER (NOTCHED)	02XB35017801	02XR05006502	->	02XR35007501
53 A		FILTER,DEMISTER (NOTCHED)(SSN 1504	X	X	X	X
53 B		FILTER,DEMISTER(NOTCHED)(SSN 2704Q	X	X	X	02XR05006502
54		SPEED NUT	(2) AS01XD180	X	X	(2) AS01XD180
54 A		SPEED NUT (SSN 1504Q)	X	X	X	X
55		OIL HEATER INFORMATION	SEE NOTE	->	->	->
		Note: For Some Frame #3 And Frame #4 Compressors Built Between 12/01				
		And 6/02 A Line Voltage Oil Heater Was Installed. Contact RCD				
		With Machine Serial For Proper Oil Heater Selection.				
		Or Refer To IT#34 On Job Data Label For Heater Part Number.				
55 A		OIL HEATER (115 VOLT)	02XR45005601	->	->	02XR05001501
55 B		OIL HEATER (380-416 VOLT) (WHITE)	X	02XR45012101	->	X
55 C		OIL HEATER (440-480 VOLT) (BLUE)	X	02XR45012102	->	X
55 D		OIL HEATER (346 VOLT) (YELLOW)	X	02XR45012103	->	X
55 E		OIL HEATER (575 VOLT) (RED)	X	02XR45012104	->	X

CATALOG NO.: RCD-3519-061 REV. B
SUPERSEDES : RCD-3519-061 REV. A

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
55 F		OIL HEATER (200-220 VOLT) (BLACK)	X	02XR45012105	->	X
55 G		OIL HEATER (230-240 VOLT) (GRAY)	X	02XR45012106	->	X
56		SEAL WASHER (INSIDE)	AU29AB561	->	->	->
57		BRACKET,HEATER SUPPORT	02XR45005801	->	->	02XR45005802
58		EXTERNAL RING,BOX (OIL HEATER)	HX22FB052	->	->	->
59		COVER,BOX (OIL HEATER)	HX02FB050	->	->	->
60	N	MOTOR TEMP SENSOR (WITH REWIND ONLY)	(2) 32MP500354	(2) ->	(2) ->	(2) ->
61		HERMETIC TERM.(THRUST/MTR SENSOR)	(2) HY85FP022	(2) ->	(2) ->	(2) ->
62		COVER,BOX (THRUST/MOTOR SENSORS)	(2) HX08FZ050	(2) ->	(2) ->	(2) ->
63		BOX EXTENSION (THRUST/MTR SENSOR)	(2) HX22FS036	(2) ->	(2) ->	(2) ->
64		THRUST SENSOR ASSEMBLY	02XR44004301	->	->	02XR44004302
		Includes: Item #65.				
65		SENSOR (1.38" BULB)	HH79NZ044	->	->	->
66		MOTOR SPRAY NOZZLE	X	CONTACT CARRIER(RCD)	->	X
67		MOTOR SPRAY NOZZLE	02XR44003601	CONTACT CARRIER(RCD)	->	PER MACHINE
68		ORIFICE,MOTOR SPRAY	X	X	02XR05002903	02XR05002902
69		"O" RING	X	X	KK71EW912	->
70		COUPLING (3/4" TUBE)	DE08DA401	->	->	->
71		MOTOR COOLING ORIFICE	02XR05003001	X	X	02XR05003001
71 A		MOTOR COOLING ORIFICE (3/8 NOM.)	X	X	02XR05003001	X
71 B		O-RING	X	X	KK71EW906	X
71 C		MOTOR COOLING ORIFICE (3/4 NOM.)	X	02XR05009401	02XR05002903	X
71 D		O-RING	X	KK71EW912	->	X
71 E		MOTOR COOLING ORIFICE (0.109/0.104)	X	02XR05003001	->	X
71 F		O-RING	X	KK71EW906	->	X
71 G		MOTOR COOLING ORIFICE (0.156/0.151)	X	02XR05003003	->	X
71 H		O-RING	X	KK71EW906	->	X
71 J		MOTOR COOLING ORIFICE (0.255/0.250)	X	02XR05002903	X	X
71 K		O-RING	X	KK71EW912	X	X
71 L		CONNECTOR (3/4")	X	X	02XR05009401	X
72		CAP,FLARE 1/2"	(2) DD19DA201	(2) ->	(2) ->	(2) ->
73		GASKET,FLARE 1/2"	(2) DD24FA151	(2) ->	(2) ->	(2) ->
74		VALVE,OIL CHARGE (3/8"NPT)	EP23LA155	->	->	->
75		FITTING,IMPELLER PRESS. TUBE	X	(2) DD07UA051	X	X
76		VALVE,ANGLE	EP12BC272	X	X	EP12BC331
77		ROLL PIN (1/4"OD X 3/4"LG)	AX14CA168	->	->	->
78		ROLL PIN,IMPELLER LABY	X	X	X	X
79		POSITIONING WASHER (OIL HEATER)	02XR45006001	->	->	->
80		ELBOW,90 DEG. SWIVEL	X	(2) DD41CA501	(2) ->	X
81		ELBOW,90 DEG. SWIVEL	X	DD41CA502	->	->
82		CONNECTOR,STR(1-1/16-12)	DC80SA032	->	X	X
		Includes: Item #83.				
83		"O" RING,STR CONNECTOR	KK71EW912	->	X	X
84		CONNECTOR,STR. (7/8 X 1-3/16-12)	X	X	DC80SA040	X
		Includes: Item #85.				

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
85		"O" RING,STR CONNECTOR	X	X	KK71EW914	X
86		COUPLING (3/4" NPT)(USED AFTER 12/01	X	X	X	X
87		TRANSDUCER,PRESSURE	(2) HK05YZ007	(2) ->	(2) ->	(3) ->
88		VALVE,SERVICE (SCHRADER)	(5) 06DA403844	(5) ->	(5) ->	(5) ->
89		STR CONNECTOR(3/8 X 9/16-18)	02XB05000301	(2) ->	->	->
		Includes: Item #90.				
90		"O" RING,STR CONNECTOR	KK71EW906	->	->	->
91		ELL CONNECTOR(3/8 X 9/16-18)	(3) 02XB05000601	->	X	(2) 02XB05000601
		Includes: Item #92.				
92		"O" RING,ELL CONNECTOR	KK71EW906	->	X	KK71EW906
93		STRAINER (OIL RECLAIM)	KH11NG070	->	->	->
94		EDUCTOR	02XB05002201	02XR05004303	->	02XB05002201
94 A		EDUCTOR (SSN 1504Q)	X	X	X	X
94 B		EDUCTOR (SSN 2704Q)	X	X	X	02XR05004303
95		ELBOW,SWIVEL (90 DEG.1/2")	(2) DD41CA101	X	(2) DD41CA101	X
96		STRAIGHT CONNECTOR (SHORT)	02XB05000501	->	->	X
		Includes: Item #97.				
97		"O" RING,STR CONNECTOR (SHORT)	KK71EW912	->	->	X
98		STR CONNECTOR(LONG)(3/4 X 1 1/16-12)	02XB05000201	->	->	X
		Includes: Item #99.				
99		"O" RING,STR CONNECTOR	KK71EW912	->	->	X
100		FITTING,IN-LINE STRAINER	02XB05001001	->	->	02XR35006901
		Includes: Item #101.				
100 A		FITTING,IN-LINE STRAINER	X	X	X	X
101		"O" RING,STRAINER FITTING	KK71EW906	->	->	->
101 A		COUPLING,RECLAIM SUCTION LINE	X	X	X	DE08DA101
102		SIGHTGLASS (3/8 FL)	KM43AG002	->	->	->
103		EXPANSION VALVE	(2) 02XR05000101	02XR05004001	(2) ->	(2) 02XR05001401
103 A		EXPANSION VALVE (SSN 1504Q)	X	X	X	X
103 B		EXPANSION VALVE (SSN 2704Q)	X	X	X	02XR05004101
104		HIGH DISCHARGE CUTOUT SWITCH	HK02ZA165	->	->	->
106		TEMPERATURE SENSOR	X	HH79NZ047	HH79NZ059	X
106 A		PLUG,O-RING SEAL (9/16-18)	X	X	X	X
		Includes: Item #106b				
106 B		"O" RING,PLUG SEAL	X	X	X	X
107		PLUG,O-RING SEAL (7/16-20)	X	CA64AM125	->	(2) ->
		Includes: Item #108.				
108		"O" RING,PLUG SEAL	X	KK71EW904	->	->
109		SEAL HOUSING ASY (DIFFUSER DRIVE)	X	02XR44011701	X	X
		Includes: Items #110 - 120.				
109 A		SEAL HSG ASY(DIFF. DRIVE)(PSN 2704Q)	X	X	X	02XR54001801
109 B		SEAL HSG ASY(DIFF. DRIVE)(SSN 2704Q)	X	X	X	02XR54008901
110		SEAL RETAINER & BEARING ASY	X	02XR04001801	X	X
110 A		SEAL HOUSING (PSN 2704Q)	X	X	X	02XR44001601
110 B		SEAL HOUSING (SSN 2704Q)	X	X	X	02XR04001201

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR GROUP				
111		"O" RING	X	KK71EW210	X	KK71EW212
112		BUSHING	X	KT53XL066	X	KT53XL093
113		"O" RING	X	NOT SOLD SEPARATELY	X	KK71EW924
114		PINION & SHAFT	X	02XR45013001	X	X
114 A		PINION & SHAFT (PSN 2704Q)	X	X	X	02XR55007201
114 B		PINION & SHAFT (SSN 2704Q)	X	X	X	02XR55015701
115		PELLET	X	X	X	19EA411031
116		WASHER,THRUST	X	AU51YA401	X	AU51YA391
117		"O" RING	X	KK71EW220	X	KK71EW225
118		"V" RING ASY	X	X	X	KK71HT014
119		"V" RING ASY	X	X	X	KK71HT016
120		BUSHING	X	KT53XL066	X	KT53XL093
121		WHEEL ASY,VARIABLE DIFFUSER	X	(3) 02XR44011601	X	(3) 02XR54002101
122		CAM LOCK,ROLLER	X	(3) 02XR45013301	X	(3) 02XR55003501
123		GEAR RACK	X	02XR45013101	X	02XR55007301
124		BRACKET,ACTUATOR SUPPORT	X	X	X	02XR55007601
125		MOTOR,ACTUATOR (VARIABLE DIFFUSER)	X	HF26BB029	X	HF26BB029
126		POTENTIOMETER	X	AD-718-701	X	AD-718-701
127		"O" RING (DIFFUSER/BASE)	X	KK71EW475	X	KK71EU175
128		"O" RING (DIFFUSER DRIVE SEAL)	X	KK71EW228	X	KK71EW235
129		MOUNTING RING	X	02XR45013801	X	X
130 A		COUPLING,JAW (PSN 2704Q)	X	X	X	02XR54007701
130 B		COUPLING,JAW (SSN 2704Q)	X	X	X	02XR54009601
131		GUARD,DIFFUSER CHAIN	X	02XR44013101	X	X
132		SPROCKET,DIFFUSER DRIVE	X	02XR05009202	X	X
133		SPROCKET,DIFFUSER MOTOR	X	02XR05009201	X	X
134		CHAIN,DIFFUSER DRIVE	X	02XR05007501	X	X
135		SUPPORT FOOT,DIFFUSER	X	(6) 02XR05002001	X	(6) 02XR05002001
136		POINTER	X	02XR05007701	X	X
137		CONNECTOR,STRAIGHT (3/4 X 1-1/16-12)	X	02XR05009401	->	X
138		"O" RING	X	KK71EW912	->	X
		COMPRESSOR TRANSMISSION ASSEMBLY				
200		BEARING,DRIVE END LO-SPEED	02XR45003101	->	->	02XR55011401
201		COVER,HI-SPEED OIL CATCHER	02XR45007401	->	->	02XR55003902
202		COVER,LO-SPEED OIL CATCHER	02XB35027501	->	->	02XR55003901
203		BEARING,COMPR. END LO-SPEED	02XR45009501	->	->	02XR55005301
204		BEARING,DRIVE END HI-SPEED	02XR45003201	->	->	02XR55001501
205		SHAFT LABYRINTH,LO-SPEED	X	02XR44003804	->	02XR54005801
206		SHAFT LABYRINTH,LO-SPEED (SEE NOTE)	02XR45003301	X	X	X
		For Proper Selection Refer To Chart 1A Or 1B On Graphic	Page 19061004.			
207		SHAFT LABYRINTH,LO-SPEED (SEE NOTE)	02XR44003801	X	X	X
		For Proper Selection Refer To Chart 1A Or 1B On Graphic	Page 19061004.			
208		SHAFT LABYRINTH,LO-SPEED (SEE NOTE)	02XR44003804	X	X	X
		For Proper Selection Refer To Chart 1A Or 1B On Graphic	Page 19061004.			
209 A		ROTOR & LO-SPEED GEAR ASY (60HZ)	PER MACHINE	->	->	->

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		COMPRESSOR TRANSMISSION ASSEMBLY				
		Includes: Items #210 - 212.				
209	B	ROTOR & LO-SPEED GEAR ASY (50HZ)	PER MACHINE	->	->	->
		Includes: Items #210 - 212.				
210	A	GEAR,LO-SPEED (60HZ)	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	B	GEAR,LO-SPEED (50HZ)	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	C	GEAR,LO-SPEED (60HZ)	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	D	GEAR,LO-SPEED (50HZ)	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	E	GEAR,LO-SPEED (60HZ)	02XR45003401	02XR45014601	->	02XR55017001
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
210	F	GEAR,LO-SPEED (50HZ)	02XR45003402	02XR45014602	->	02XR55017002
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
211		RING,RETAINING	02XB35005201	->	->	02XR55003801
211	A	RING,RETAINING	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
211	B	RING,RETAINING	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
211	C	RING,RETAINING	X	X	X	X
		For Frame 2 Compr. Only! For Proper Selection Refer To Chart #1A On				
		Graphic Page 19061004.				
212		KEY	(2) 02XR45007201	(2) ->	(2) ->	(2) 02XR45007202
213		SHROUD ASSEMBLY (SEE NOTE)	02XR44000801	02XR44008901	->	02XR54002901
		Frame 2 Compr.Only! Use for Machines with Serial Number Prior to 1504Q				
213	A	SHROUD ASSEMBLY (SEE NOTE)	X	X	X	X
		Frame 2 Compr.Only! Use for Machines with Serial Number After 1504Q				
214		STRIPPER (GEAR OIL)	02XR45007501	->	->	02XR55004701
		THRUST BEARING ASSEMBLY				
215	A	HI-SPEED SHAFT ASY(60HZ)	02XR44000701	X	02XR44013201	02XR54002801
		Includes: Items #216 - 227.				
215	B	HI-SPEED SHAFT ASY(50HZ)	02XR44000702	X	02XR44013202	02XR54002802
		Includes: Items #216 - 227.				
215	C	HI-SPEED SHAFT ASY (60HZ) (PSN 0102Q	X	02XR44000701	X	X
		Includes: Items #216 - 227.				
215	D	HI-SPEED SHAFT ASY (50HZ) (PSN 0102Q	X	02XR44000702	X	X

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		THRUST BEARING ASSEMBLY				
		Includes: Items #216 - 227.				
215 E		HI-SPEED SHAFT ASY (60HZ) (SSN 0102Q	X	02XR44013201	X	X
		Includes: Items #216 - 227.				
215 F		HI-SPEED SHAFT ASY (50HZ) (SSN 0102Q	X	02XR44013202	X	X
		Includes: Items #216 - 227.				
216 A		IMPELLER SHAFT (60HZ)	02XR45008601	X	02XR45014701	02XR55017101
		Important! For Frame #3 And #4 Compr. Only, Refer To Impeller Shaft				
		Selection Chart #1 On Graphic 19061004 And Bulletin C9921.				
216 B		IMPELLER SHAFT (50HZ)	02XR45008602	X	02XR45014702	02XR55017102
		Important! For Frame #3 And #4 Compr. Only, Refer To Impeller Shaft				
		Selection Chart #1 On Graphic 19061004 And Bulletin C9921.				
216 C		IMPELLER SHAFT (60HZ) (PSN 0102Q)	X	02XR45008601	X	X
216 D		IMPELLER SHAFT (50HZ) (PSN 0102Q)	X	02XR45008602	X	X
216 E		IMPELLER SHAFT (60HZ) (SSN 0102Q)	X	02XR45014701	X	X
216 F		IMPELLER SHAFT (50HZ) (SSN 0102Q)	X	02XR45014702	X	X
217		SLINGER	02XB35016301	->	->	02XR55010401
218		THRUST BEARING ASSEMBLY	19XR660008	->	->	19XR660025
		Includes: Item #219.				
219		ROLL PIN	(12) AX14CA035	(12) ->	(12) ->	(12) ->
220		THRUST SHOE ASSEMBLY (SET OF 6)	02XR44000601	->	->	02XR54004301
221		SPACER RING	02XR45003901	->	->	02XR55010101
222		SEAL RING	02XR45004101	->	->	02XR55010301
223		RETAINING RING	AU48AA511	->	->	AU48AA591
224		RETAINING RING (5-1/2")	02XR45004001	->	->	02XR55010201
225		LEVELING PAD	(12) 19D110103	(12) ->	(12) ->	(12) 19D320052
226		ADJUSTING PAD PACKAGE	19D23841	->	->	->
227		SCREW,SOCKET HEAD	(5) AA44AA109	(5) ->	(5) ->	(5) ->
		ROLLER ELEMENT BEARING (REB)				
228 A		SHAFT ASY,HI-SPEED (REB) (60HZ)	X	X	X	X
228 B		SHAFT ASY,HI-SPEED (REB) (50HZ)	X	X	X	X
229 A		SHAFT,IMPELLER (REB) (60HZ)	X	X	X	X
229 B		SHAFT,IMPELLER (REB) (50HZ)	X	X	X	X
230		SPRING,WAVE (REB)	X	X	X	X
231		RETAINER,HI-SPEED THRUST BEARING (	X	X	X	X
232		SPACER,HI-SPEED THRUST BEARING (RE	X	X	X	X
233		ROLLER BEARING,HI-SPEED THRUST (RE	X	X	X	X
234		ROLLER BEARING,HI-SPD COUNTER THRU	X	X	X	X
235		ROLLER BEARING,CYLINDRICAL (REB)	X	X	X	X
236		SPACER,HI-SPEED SHAFT (REB)	X	X	X	X
237		SPACER,HI-SPEED LUBE (REB)	X	X	X	X
238		RING,REATINER (REB)	X	X	X	X
239		"O" RING (REB)	X	X	X	X
240		RETAINER,HI-SPEED SHAFT (REB)	X	X	X	X
241		RETAINER,HI-SPEED SHAFT BEARING (REB	X	X	X	X
242		"O" RING (9/16) (REB)	X	X	X	X

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		ROLLER ELEMENT BEARING (REB)				
243		"O" RING (5/16) (REB)	X	X	X	X
		GUIDE VANE & BLADE RING				
244		BLADE RING ASSEMBLY	02XR44000501	02XR44011201	->	02XR44000501
		Includes: Items #245 - 258.				
244 A		BLADE RING ASSEMBLY (SSN 2704Q)	X	X	X	02XR44011201
		Includes: Items #245a - 258.				
245		PULLEY,DRIVE	19EA511003	02XR45011001	->	19EA511003
245 A		PULLEY,DRIVE (SSN 2704Q)	X	X	X	02XR45011001
246		PULLEY,BLADE	(6) 19EA512142	(6) 02XR05007001	(6) ->	(6) 19EA512142
246 A		PULLEY,BLADE (SSN 2704Q)	X	X	X	02XR05007001
247		PULLEY,IDLER	(7) 19C47771	(7) 19C476131	(7) ->	(7) 19C47771
247 A		PULLEY,IDLER (SSN 2704Q)	X	X	X	19C476131
248		BUSHING,BLADE	(14) KT53XL102	(14) ->	(14) ->	(14) ->
249		BLADE,PREWHIRL	(7) 19EA660017	(7) ->	(7) ->	(7) ->
249 A		BLADE,PREWHIRL (SSN 2704Q)	X	X	X	19EA52418
250		CABLE,GUIDE VANE	19EA51102	02XR04001303	->	19EA51102
251 A		TAPERED SHAFT (IDLER PULLEY)	(7) 19EA512022	X	X	(7) 19EA512022
251 B		BOLT,SHOULDER (IDLER PULLEY)	(7) AH27AM295	(7) ->	(7) ->	(7) ->
253		BUSHING (IDLER PULLEY)	(7) KT53XL065	(7) ->	(7) ->	(7) ->
254		SNAP RING/HEX NUT(USED W/ITEM 164A	(7) AU48AR062	X	(7) X	(7) AU48AR062
255		NUT,JAM (USED W/ITEM 164B)	(7) AT40AA301	(7) ->	(7) ->	(7) ->
256		COTTER PIN (3/32)	(2) AX01AA027	(2) ->	X	(2) AX01AA027
257		SET SCREW 1/4-20	(2) AE13AR170	(2) ->	X	(2) AE13AR170
258		WASHER	(7) 19EA512012	(7) ->	X	(7) 19EA512012
259		SEAL HOUSING	02XB35008101	X	X	02XB35008101
260		SEAL HOUSING ASY.	02XR44001601	02XR04001201	->	->
		Includes: Items #261 - 263.				
261		BUSHING	KT53XL093	->	->	->
262		"O" RING	X	KK71EW212	->	->
263		"O" RING	X	KK71EW924	->	->
264		DRIVE SHAFT (STAINLESS STEEL)	02XR45004401	02XR45012501	02XR05004404	02XR45004402
264 A		DRIVE SHAFT (S'LESS STEEL)(SSN 1504Q	X	X	X	X
264 B		DRIVE SHAFT (S'LESS STEEL)(SSN 2704Q	X	X	X	02XR05004405
265		"V" RING (INNER)	KK71HT016	X	X	KK71HT016
266		"V" RING (OUTER)	KK71HT014	X	X	KK71HT014
267		"O" RING (2.50"OD)	KK71EW228	X	X	KK71EW228
268		WASHER	AU51YA391	->	->	->
269		PELLET (1/8" DIA NYLON)	19EA411031	X	X	19EA411031
270		ROLL PIN (11/16" LG)	AX14CA044	->	->	->
270 A		ROLL PIN (11/16" LG)(SSN 1504Q)	X	X	X	X
271		KEY	19D211391	->	->	->
272 A		MOTOR,ACTUATOR (PIC I MACH.)	HF26BB026	X	X	HF26BB026
272 B		POTENTIOMETER	AD-718-702	X	X	AD-718-702
272 C		MODULE,DRIVE	CP-8391-920	X	X	CP-8391-920
272 D		MOTOR,ACTUATOR (PIC II MACH.)	HF26BB030	->	->	->

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		GUIDE VANE & BLADE RING				
272 E		POTENTIOMETER	AD-718-704	->	->	->
273		MOUNTING PLATE (ABS)	02XR05002801	->	->	->
274		CHAIN GUARD (ABS)	02XR05003301	->	->	->
275		CHAIN KIT (#35) (3/8"PITCH)	19FA660016	->	->	->
276		SPROCKET,HUB	17FA5021583	X	X	17FA5021583
277		SPROCKET,DRIVE	17FA5021712	02XR05009201	->	17FA5021712
277 A		SPROCKET,DRIVE (SSN 2704Q)	X	X	X	02XR05009201
278		SPROCKET,SHAFT	17FA5121543	02XR05005701	->	17FA5121543
278 A		SPROCKET,SHAFT (SSN 2704Q)	X	X	X	02XR05005701
279		EXPANSION NUT (#8 NYLON)	(9) AT99RA101	X	X	(9) AT99RA101
280		SET SCREW (5/16-18 X 1/2"LG)	(2) AE12AA196	(2) ->	(2) ->	(2) ->
281		SPACER (1/2")	(3) 17FA5021762	X	X	(3) 17FA5021762
282		SPACER (1-1/8")	(2) 02XR45006202	X	X	(2) 02XR45006202
283		SPACER (1-7/8")	(2) 02XR45006201	(2) ->	(2) ->	(2) ->
284		KEY	17FA5021782	->	->	->
		TERMINAL ARRANGEMENT				
285		SPRING WASHER (LO-VOLT)(INTERNAL)	(6) AU51AS391	(6) ->	(6) ->	(6) ->
286		LO-VOLTAGE TERMINAL ASY.	(6) 02XR45004301	(6) ->	(6) ->	(6) ->
		Includes: Item #287.				
287		LO-VOLT TERMINAL "O" RING	(6) KK71EW924	(6) ->	(6) ->	(6) ->
288		LO-VOLTAGE TERMINAL FOAM PAD	19XR45002001	->	->	19XR55001801
289		LO-VOLTAGE TERMINAL FRAME ASY.	19XR44000401	->	->	->
290		THERMAL INSULATOR (1 1/8"OD)	(6) 02XB05001801	(6) ->	(6) ->	(6) ->
291	N	INSULATING SLEEVE,LO-VOLT TERMS.	(6) LF33MM112	(6) ->	(6) ->	X
292	N	INSULATING SLEEVE,LO-VOLT TERMS.(VFD	(6) LF33MM112	(6) ->	(6) ->	X
293	N	INSULATING PUTTY,MED-VOLT TERMS.	19EA4111102	->	->	->
294	N	ELECTRICAL TAPE,MED-VOLT TERMS.	19EA4111112	->	->	->
295		HI-VOLTAGE TERMINAL ASY.	(3) 02XB05003001	(3) ->	(3) ->	(3) ->
		Includes: Items #296 - 298.				
296		HI-VOLTAGE TERM. "O" RING (INNER)	(3) KK71EW325	(3) ->	(3) ->	(3) ->
297		HI-VOLTAGE TERM. "O" RING (OUTER)	(3) KK71EW311	(3) ->	(3) ->	(3) ->
298		HI-VOLTAGE TERMINAL REBUILD KIT	19XR660018	->	->	->
		Note: Consists Of Hex Nut, Washer, Sleeves And "O" Rings It# 296 & 297				
299		HI-VOLTAGE TERMINAL STUD	(3) 02XB05003101	(3) ->	(3) ->	(3) ->
		Note: Terminal Stud May Req. Field Modification Before Installation.				
300		HI-VOLTAGE CONNECTOR LUG	(3) 02XB05002901	(3) ->	(3) ->	(3) ->
301		HI-VOLTAGE TERMINAL FOAM PAD	19XR45001501	->	->	->
302		HI-VOLTAGE TERMINAL FOAM PAD	19XR75001401	->	->	->
303		HI-VOLTAGE TERMINAL,FRAME ASY.	19XR44001201	->	->	->
304		"O" RING (TERMINAL PLATE)	(2) KK71EW128	->	(2) ->	(2) ->
		LUBRICATION PACKAGE				
305 A		OIL PUMP ASY (200/240-60)W/OIL FILTE	02XB34008901	02XR04002101	X	02XR54002701
305 B		OIL PUMP ASY (380/480-60)W/OIL FILTE	02XB34008902	02XR04002101	X	02XR54002702
305 C		OIL PUMP ASY (507/619-60)W/OIL FILTE	02XB34008905	02XR04002105	X	02XR54002705
305 D		OIL PUMP ASY (220/240-50)W/OIL FILTE	02XB34008903	02XR04002103	X	02XR54002703

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		LUBRICATION PACKAGE				
305 E		OIL PUMP ASY (346/440-50)W/OIL FILTE	02XB34008904	02XR04002104	X	02XR54002704
		Note: Oil Pump Assembly Item 305 Includes Internal Oil Filter.				
		Oil Pump Assemblies Include Items That Make Up Service Packages.				
306 A		OIL PUMP ASY (200/240-60)W/O OIL FIL	02XR04002101	->	->	02XR04002106
306 B		OIL PUMP ASY (380/480-60)W/O OIL FIL	02XR04002102	->	->	02XR04002107
306 C		OIL PUMP ASY (507/619-60)W/O OIL FIL	02XR04002105	->	->	02XR04002110
306 D		OIL PUMP ASY (220/240-50)W/O OIL FIL	02XR04002103	->	->	02XR04002108
306 E		OIL PUMP ASY (346/440-50)W/O OIL FIL	02XR04002104	->	->	02XR04002109
		Note: Oil Pump Asy Item 306 Are Used With External Inline Oil Filter.				
		Oil Pump Assemblies Include Items That Make Up Service Packages.				
307 A	N	SERVICE PKG,STATOR (FOR IT#305 ONLY)	02XB34013801	X	X	02XB34013801
		Note: Stator Good For A Minimum Of 346V To Maximum Of 619V, All Hertz.				
307 B	N	SERVICE PKG,STATOR (FOR IT#305 ONLY)	02XB34013802	X	X	02XB34013802
		Note: Stator Good For A Minimum Of 200V To Maximum Of 240V, All Hertz.				
307 C	N	SERVICE PKG,STATOR (FOR IT#306 ONLY)	02XR04003501	->	->	->
		Note: Stator Good For A Minimum Of 346V To Maximum Of 619V, All Hertz.				
307 D	N	SERVICE PKG,STATOR (FOR IT#306 ONLY)	02XR04003502	->	->	->
		Note: Stator Good For A Minimum Of 200V To Maximum Of 240V, All Hertz.				
307 E	N	SERVICE PKG,ROTOR (COPELAND) (60HZ)	02XB34011401	->	->	02XR54012902
		Can be used with items #305 or #306 Includes: Items #308 - 332.				
307 F	N	SERVICE PKG,ROTOR (COPELAND) (50HZ)	02XB34011402	->	->	02XR54012902
		Can be used with items #305 or #306 Includes: Items #308 - 332.				
308		MACHINE COVER	02XB35025501	->	->	02XR55005501
309		COVER,MOTOR END	X	02XR05008901	->	X
310		COVER,PUMP END	17CA611492	->	->	19EA5111143
311		PUMP SHAFT	02XB35025401	->	->	19EA5111133
312		ROTOR (COPELAND)	02XB05002401	->	->	->
313		SLEEVE (LONG)	02XB35024601	->	->	->
314		SLEEVE (SHORT)	02XB35024701	->	->	->
315		PUMP VANE	(4) 02XB35025301	(4) ->	(4) ->	(4) 19EA517012
316		CLAMPING RING	19D211011	->	->	(2) ->
317		DOWEL PIN (3/4" LONG)	(2) AX11AR168	(2) ->	(2) ->	(2) ->
318		DOWEL PIN (1-1/4" LONG)	(2) AX11AR132	(2) ->	(2) ->	(2) AX11AR172
319		HEX HD CAP SCREW (1/2-13 X 4")	NOT SOLD SEPARATELY	->	->	->
320		SOCK.HD SCREW (5/16-18 X 3/4")	NOT SOLD SEPARATELY	->	->	->
321		PIPE PLUG (1/8")	CA63AA001	->	->	->
322		PLUG (W/"O" RING)	(2) CA63AM200	(2) ->	(2) ->	(2) ->
323		"O" RING	KK71EW905	->	->	->
324 A		SET SCREW (1/4-20 X 7/16")	(2) AE64FR166	X	X	(2) AE64FR166
324 B		SET SCREW (1/4-20 X 1/2")	X	(2) AE12AA198	->	X
326		"O" RING (HERM TERM) (2 1/16"OD)	KK71EW134	->	->	->
327		HERMETIC TERMINAL (5 PIN)	HY85FP032	->	02XB05001201	HY85FP032
328		"O" RING	KK71EW257	KK71EW263	->	->
329		"O" RING	KK71EW165	->	->	->
330		RELIEF VALVE ASY (REGULATOR)	02XB34012201	02XR54003001	->	->

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		LUBRICATION PACKAGE				
331		"O" RING (1 3/16"OD)	KK71EW023	X	X	KK71EW023
332		VALVE (3/8")	EP23LA155	X	X	EP23LA155
333		OIL COOLER	02XB35031301	02XR05005401	->	02EX55000401
333 A		OIL COOLER (SSN 1504Q)	X	X	X	X
333 B		OIL COOLER (SSN 2704Q)	X	X	X	02XR05003201
334		BRACKET,OIL COOLER	X	(2) 02XB35031601	->	X
335		"O" RING (1 7/8"OD)	KK71EW223	->	X	KK71EW223
336	N	FILTER KIT	02XB660004	X	X	02XB660004
		Includes: Items #337 - 338.				
337		FILTER CORE	KH09AZ003	X	X	KH09AZ003
338		"O" RING (4 5/8"OD)	KK71EW245	X	X	KK71EW245
339		ROD (FILTER SUPPORT)	02XB35015201	X	X	02XB35015201
340		HEX LOCK NUT (5/16-18)	AT55BA201	X	X	AT55BA201
341		FILTER RETAINER	02XB35014901	X	X	02XB35014901
342		FITTING,FEMALE ROTALOCK	X	02XR05005101	->	X
343		FITTING,MALE ROTALOCK	X	02XR05005201	->	X
343 A		SEAL,TEFLON	X	02XR05009101	->	X
345		BRACKET,OIL FILTER	X	(2) 02XR05009602	(2) ->	X
346		OIL FILTER,INLINE (INCLUDES IT#351)	X	02XR05006201	->	->
347		VALVE,SHUTOFF	X	02XR05005001	->	02XR04003001
347 A		VALVE,SHUTOFF	X	X	X	02XR05010601
349		TRANSDUCER,PRESSURE	X	HK05YZ007	->	->
350		COUPLING,MALE FLARE TO ODS FEMALE	X	X	X	X
351		"O" RING,INLINE OIL FILTER	X	24592	->	->
		PIC CONTROLS				
400		PIC I CONTROL USED UNTIL WK#28 1998	PIC I CONTROLS	->	->	->
		Note: See Service Bulletin C9831 For More Details.				
400 A		POWER PANEL ASY,BASIC (PIC I)	19XR04000101	X	X	X
400 B		POWER PANEL ASY,OPTIONS (PIC I)	19XR04000102	X	X	X
400 C		POWER PANEL ASY,BASIC (FR#7,8 PIC I)	19XR04000103	X	X	19XR54004501
400 D		POWER PANEL ASY,OPTIONS (FR#7 PIC I)	19XR04000104	X	X	19XR54004502
		Includes: Items #401 - 414.				
401		TRANSFORMER (21V) (T1)	HT01BD113	X	X	HT01BD113
402		TRANSFORMER (24V) (T2) & (T3)	HT01AW235	X	X	(2) HT01AW235
403		TRANSFORMER ASY (OPTIONS)(T4)	HT01BD113	X	X	HT01BD113
		Includes: Items #404 - 406.				
404	N	TRANSFORMER (21V)	HT01BD113	X	X	HT01BD113
405	N	PLUG	HY06MP081	X	X	HY06MP081
406	N	PIN	(3) HY57MP019	X	X	(3) HY57MP019
407		CONTACTOR(3 POLE)(OIL PUMP/HEATER)	(2) HN53CC024	X	X	(2) HN53CC024
407 A		AUXILIARY CONTACTOR (SIDE MOUNT)	HN53AB035	X	X	HN53AB035
408		PRESSURE SWITCH,DIFF.	HK06UB011	X	X	HK06UB011
409		BARRIER	19XB05000401	X	X	19XB05000401
410		TERMINAL BLOCK	19XB05002301	X	X	19XB05002301
411		VOLTAGE SELECTOR SWITCH	HR67ZZ125	X	X	HR67ZZ125

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PIC CONTROLS				
412		WIRE HARNESS (15 WIRE) 5AMP	19XB04002501	X	X	19XB04002501
413		GROUND LUG	HY90HR001	X	X	HY90HR001
414 A		COVER ASY (W/LABEL) (FR#1 - 6 ONLY	19XR04000501	X	X	X
414 B		COVER ASY (W/LABEL) (FR#7,8 ONLY)	19XR04000502	X	X	19XR04000502
415		PIC I CONTROL USED UNTIL WK#28 1998	PIC I CONTROLS	->	->	->
		Note: See Service Bulletin C9831 For More Details.				
415 A		CONTROL PANEL ASY,BASIC(PIC I)	19XR04000301	X	X	X
415 B		CONTROL PANEL ASY,OPTIONS(PIC I)	19XR04000302	X	X	X
415 C		CONTROL PANEL ASY,BASIC(FR#7,8 PIC I	19XT04002101	X	X	19XR54004101
415 D		CONTROL PANEL ASY,OPTIONS(FR#7 PIC I	19XT04002102	X	X	19XR54004102
		Includes: Items #416 - 440.				
416 A		PANEL ASY (SHT. MTL.) (FR# 1 - 6 ONL	19XR04000401	X	X	X
416 B		PANEL ASY (SHT. MTL.) (FR#7,8 ONLY)	19XR04003101	X	X	19EX04003101
		Includes: Items #417 - 418.				
417		ANGLE,SUPPORT	19XB05001101	X	X	19XT05000401
418		HINGE	19XB05001201	X	X	19XB05001201
419		DOOR PANEL ASY	19EX04000501	X	X	19EX04000501
420		CAM LOCK (W/KEYS)	KA19NL010	X	X	KA19NL010
421		LID ASY (LOCAL INTERFACE DISPLAY)	CES0130036	X	X	CES0130036
422		LID BATTERY (SEE SB C9623)	CEC0120803-01	X	X	CEC0120803-01
423		RELAY BOARD (6 PACK)	HK35AA003	X	X	HK35AA003
424		POWER SUPPLY/COMPARITOR (5V DC)	HK35AA007	X	X	HK35AA007
425		MODULE ASY (PSIO)	19XR04017404	X	X	19XR04017404
426		PSIO BATTERY (SEE SB C9623)	CEC0120803-01	X	X	CEC0120803-01
427		CONTROL BOARD (SPLIT RING DIFFUSER)	X	X	X	CES0130038
428		CIRCUIT BREAKER (3.2 AMPS)	(4) HH83ZB001	X	X	(4) HH83ZB001
429		RUBBER BUMPER	(2) KA58MR001	X	X	(2) KA58MR001
430		RESISTOR (4.3K)	X	X	X	HT21AZ111
431 A	N	WIRE HARNESS ASY (15 WIRE)	19XR04008201	X	X	19XR04008201
432 B	N	WIRE HARNESS ASY (6 WIRE)	19XB04002401	X	X	X
432 C		WIRE HARNESS ASY (5 WIRE)	19XR04009601	X	X	19XR04009601
432 D	N	WIRE ASSEMBLY (RESISTORS)	19XB04003301	X	X	19XB04003301
		Includes Item #432e.				
432 E	N	RESISTOR (10K 1/2 W)	(3) HT21AZ110	X	X	(3) HT21AZ110
432 F	N	CABLE ASY(COMPR. SUMP OIL TEMP)	HH79NZ064	X	X	HH79NZ064
432 G	N	CABLE ASY(MTR. WINDING TEMP)	19EX04001601	X	X	19EX04001601
432 H	N	CABLE ASY(THRUST BEARING TEMP)	19EX04001602	X	X	19EX04001602
432 J	N	CABLE ASY(COOL. LEAVING WATER TEMP)	HH79NZ064	X	X	HH79NZ064
432 K	N	CABLE ASY(COOL. ENTERING WATER TEMP)	HH79NZ064	X	X	HH79NZ064
432 L	N	CABLE ASY(COND. LEAVING WATER TEMP)	HH79NZ064	X	X	HH79NZ064
432 M	N	CABLE ASY(COND. ENTERING WATER TEMP)	HH79NZ064	X	X	HH79NZ064
432 N	N	CABLE ASY(GUIDE VANE ACUATOR)	19EX54002701	X	X	19EX54002702
432 P	N	CABLE ASY(COMPR. DISCH. TEMP)	HH79NZ064	X	X	HH79NZ064
432 R	N	CABLE ASY(COMPR. OIL PRESS.)	19XB660008	X	X	19XB660008
432 S	N	CABLE ASY(COND. & COOL. PRESS.)	19XB660008	X	X	19XB660008

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PIC CONTROLS				
432 T	N	CABLE ASY(STARTER COMMUNICATION)	19XB660008	X	X	19XB660008
432 U	N	CABLE ASY(DIFFUSER ACTUATOR)	X	X	X	19XR04009501
432 V	N	CABLE ASY(DIFFUSER ACTUATOR)	X	X	X	19XB660008
433	N	CONNECTOR PLUG (4 PIN) (SIDE PSIO)	HY84EE004	X	X	HY84EE004
434	N	CONNECTOR PLUG (3 PIN) (SIDE PSIO)	HY84EE003	X	X	HY84EE003
435	N	CONNECTOR PLUG (18 PIN)	(3) HY84EE021	X	X	(3) HY84EE021
436	N	CONNECTOR PLUG (6 PIN)	HY06MP106	X	X	HY06MP106
437	N	CONNECTOR PLUG (2 PIN)	HY06AM015	X	X	HY06AM015
438	N	CONNECTOR PLUG (3 PIN)(SRD BOARD)	X	X	X	HY84EE103
439	N	CONNECTOR PLUG (12 PIN) (SRD BOARD)	X	X	X	HY84EE112
440		MODULE (INPUT)(OPTIONS PANEL ONLY)	HK50AA006	X	X	HK50AA006
441		TEMPERATURE SENSOR (W/BOX NOZZLE)	(4) HH79NZ059	X	X	(4) HH79NZ059
442		TRANSDUCER,PRESSURE(COOL/COND)(PIC 1	(2) HK05YZ007	X	X	(2) HK05YZ007
443	N	STARTER MANAGEMENT MODULE (SMM)	CES0121319-01	X	X	CES0121319-01
444	N	TEMP SENSOR PKG (SHIPPED IN CONT BOX	(4) 32MP400333	X	X	(4) 32MP400333
		Includes: Items #445 - 446.				
445	N	SENSOR (20" LEAD)	HH79NZ024	X	X	HH79NZ024
446	N	MALE CONNECTOR	DC99RA015	X	X	DC99RA015
		PIC II & PIC III CONTROLS GROUP				
447		PIC II/III CONTROLS AFTER WK#28 1998	PIC II & III CONTROL	->	->	->
		Note: See Service Bulletin C9831 For More Details.				
447 A		CONTROL PANEL (PIC II)(STANDARD)(CVC	19XR04016401	19XR04017504	X	19XR04016404
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX.				
447 B		CONTROL PANEL (PIC II)(W/DATAPORT)(C	19XR04016402	19XR04017505	X	19XR04016405
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX.				
447 C		CONTROL PANEL (PIC II)(W/DATALINK)(C	19XR04016403	19XR04017506	X	19XR04016406
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX.				
447 D		CONTROL PANEL (PIC II)(STANDARD)(ICV	X	19XR04030704	19XR04030701	19XR04030704
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		Without a VFD Or With A Liquid Flo I VFD.				
447 E		CONTROL PANEL (PIC II)(W/DATAPORT)(I	X	19XR04030705	19XR04030702	19XR04030705
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		Without A VFD Or With A Liquid Flo I VFD.				
447 F		CONTROL PANEL (PIC II)(W/DATALINK)(I	X	19XR04030706	19XR04030703	19XR04030706
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		Without A VFD Or With A Liquid Flo I VFD.				
447 G		CONTROL PANEL (PIC III) (STANDARD)	X	19XR04030804	19XR04030801	19XR04030804
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		With a Liquid Flo II VFD.				
447 H		CONTROL PANEL (PIC III) (W/DATAPORT)	X	19XR04030805	19XR04030802	19XR04030805
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		With a Liquid Flo II VFD.				
447 J		CONTROL PANEL (PIC III) (W/DATALINK)	X	19XR04030805	19XR04030803	19XR04030805
		Note: Used On Machines With A Serial Number After 4101QXXXXX And				
		With a Liquid Flo II VFD.				

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PIC II & PIC III CONTROLS GROUP				
448		TERMINAL BLOCK	23XL05007901	->	->	->
449 A		CONTROLLER,CHILLER VISUAL (CVC)	19XR04011604	->	X	19XR04011604
		Note: Used On Machines With A Serial Number Prior To 4101QXXXXX				
449 B		CONTROLLER,CHILLER VISUAL (ICVC)	19XR04023404	->	->	->
		Note: Used On PIC II Machines With a Serial Number After 4101QXXXXX				
449 C		CONTROLLER,CHILLER VISUAL (ICVC)	X	X	19XR04029401	->
		Note: Used On PIC III Machines .				
450		MODULE,CHILLER CONTROL (CCM)	CESO130038	->	->	->
451		CIRCUIT BREAKER (CB)	(2) HH83ZB001	(2) ->	(2) ->	(2) ->
452		RESISTOR (4.3K) (TERM. 7 TO 8)	HT21AZ111	->	->	->
453		RESISTOR (10K) (TERM. 11 TO 12)	HT21AZ110	X	HT21AZ110	X
454		CAM LOCK (W/KEYS)	KA19NL010	->	->	->
455		BUMBER,RUBBER	(2) KA58MR001	(2) ->	(2) ->	(2) ->
456		BOLT,SHOULDER (SPECIAL)	(2) 19XR05007401	(2) ->	(2) ->	(2) ->
457		COVER,PANEL	19XR05007501	->	->	->
458 A		MODULE,DATAPORT OPTION	CEPL130363-01	->	->	->
458 B		MODULE,DATALINK OPTION	CEFA121549-02	->	->	->
459		CONNECTOR (6 PIN) (J12)	HY06MP106	->	->	->
460		CONNECTOR (5 PIN) (J1 ON CVC)	HY07MP505	->	->	->
461		CONNECTOR (2 PIN)	HY06AM015	->	->	->
462		CONNECTOR (3 PIN)	HY84EE103	->	->	->
463		CONNECTOR (4 PIN)	HY84EE104	->	->	->
464		CONNECTOR (6 PIN)	HY84EE106	->	->	->
465		CONNECTOR (12 PIN) (MARKED 1-12)	HY84EE112	->	->	->
466		CONNECTOR (12 PIN) (MARKED 13-24)	HY84EE132	->	->	->
467		CONNECTOR (14 PIN) (MARKED 1-14)	HY84EE114	->	->	->
468		CONNECTOR (14 PIN) (MARKED 15-28)	HY84EE134	->	->	->
469		CABLE,PRESS. TRANSDUCER (3 WIRE)	19XB660008	->	->	->
470		CABLE,TEMPERATURE SENSOR (2 WIRE)	HH79NZ064	->	->	->
471		WIRE HARNESS (10 WIRE)	19XR04010701	->	->	->
472		BRACKET,MOUNTING (DL & DP MODULE)	19XR05013701	->	->	->
473		CABLE ASY (CCM TO CVC)	19XR05009701	->	->	->
474		CAPACITOR	X	19XR05016201	X	X
475		SENSOR,TEMP. (WELL INSERTION)	(3) HH79NZ031	(3) ->	(3) ->	(3) ->
		Note: Included With Control Panels Installed On Machines With Serial				
		Numbers After 4101QXXXXX. For Direct Insertion Temp. Sensors See				
		Item #491. Compr. Disch. & Sump Temp, Cooler Saturation Temp.				
		Sensor Includes Intergral Cable.				
476		SENSOR,TEMP. (WELL INSERTION)	(4) HH79NZ032	(4) ->	(4) ->	(4) ->
		Note: Included With Control Panels Installed On Machines With Serial				
		Numbers After 4101QXXXXX. For Direct Insertion Temp. Sensors See				
		Item #491. Cooler & Condenser Entering And Leaving Temp.				
		Sensor Includes Intergral Cable.				
477		WELL,TEMP. SENSOR (USED W/IT 475 & 4	19EF5011212	->	->	->
477 A		SENSOR,HUMIDITY (FLOTRONIC II VFD)	23XR04007701	->	->	->

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PIC II & PIC III CONTROLS GROUP				
478		PIC II/III CONTROLS AFTER WK#28 1998	PIC II & III CONTROL	->	->	->
		Note: See Service Bulletin C9831 For More Details.				
478 A		POWER PANEL ASY (PIC II) (SEE NOTE!)	19XR04009901	19XR04018103	X	19XR04009902
		Note: (Standard) Used On Machines With A Serial Number Prior To 4101Q				
		And Without A VFD Or With A Liquid Flo I VFD.				
478 B		POWER PANEL ASY (PIC II) (SEE NOTE!)	19XR04009901	19XR04018103	X	19XR04009902
		Note: (Standard) Used On Machines With A Serial Number After 4101Q				
		And Without A VFD Or With A Liquid Flo I VFD.				
478 C		POWER PANEL ASY (PIC II) (SEE NOTE!)	19XR04023001	19XR04021803	X	19XR04023002
		Note:(Dataport/Link) Used On Machines With A Serial Number After 4101Q				
		And Without A VFD Or With A Liquid Flo I VFD.				
478 D		POWER PANEL ASY (PIC II) (SSN 5101Q)	19XR04018101	19XR04019903	->	X
		Note: Standard Power Panel.				
478 E		POWER PANEL ASY (PIC II) (SSN 5101Q)	19XR04021801	19XR04023003	->	X
		Note: Dataport & Datalink Power Panel.				
478 F		POWER PANEL ASY (PIC III) (SEE NOTE!	X	19XR04028702	->	X
		Note: (Standard) Used On Machines With A Liquid Flo II VFD.				
478 G		POWER PANEL ASY (PIC III) (SEE NOTE!	X	19XR04028802	->	X
		Note: (Dataport/Link) Used On Machines With A Liquid Flo II VFD.				
479		COVER,PANEL	19XB05000301	->	->	->
480		BARRIER	19XB05000401	->	->	->
481		TRANSFORMER (T1)	HT01AW235	->	->	->
482		TRANSFORMER (T2)	HT01AW235	->	->	->
482 A		TRANSFORMER (T3)	X	X	X	X
483		TERMINAL BLOCK	19XR05013101	->	->	->
484		CONTACTOR (OIL HEATER)	HN53CC024	->	->	->
484 A		AUXILIARY CONTACTOR (SIDE MOUNT)	HN53AB035	->	->	->
485		CONTACTOR (OIL PUMP)	HN53HC023	->	->	->
486		GROUND LUG	HY90HR001	->	->	->
487		ACCESS PANEL,LOW VOLTAGE	X	19XR05008401	X	X
488		MOUNTING BRACKET,CONTROL PANEL	19XR04010001	->	->	->
489		MOUNTING BRACKET,POWER PANEL	X	02XR04001501	X	X
490		TRANSDUCER,PRESSURE	(7) HK05YZ007	(7) ->	(7) ->	(7) ->
491		SENSOR,TEMPERATURE (DIRECT INSERTION	(5) HH79NZ059	(5) ->	(5) ->	(5) ->
		Note: Direct Insertion Type Used On Machines With Serial Numbers				
		Prior To 4101QXXX. For Well Insertion Type See Items 475 & 476.				
492		INTEGRATED STARTER MODULE W/SCHEMATI	19XR04012202	->	->	->
494 A		FUSE,ISM (USED W/19XR04002201)	ATO-1	->	->	->
494 B		FUSE,ISM (USED W/19XR04002202)	GDB-1A	->	->	->
495		CABLE ASY (VFD FLO II SOLENOID)	19XR04029501	->	->	->
		MACHINE ARRANGEMENT & PIPING				
500		O-RING (VFD COOL.)(2-BOLT FLANGE CON	(2) KK71EW118	(2) ->	(2) ->	X
501		FLANGE,FLAT FACED (VFW COOLING CONN.	(2) DK25CA314	(2) ->	(2) ->	X
502		FLANGE,O-RING GROOVE (VFW COOLING CO	(2) DK24CA315	(2) ->	(2) ->	X
503 A		VALVE,EXP.(VFW STARTER)(414 AMP)	02XR05003902	->	->	X

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
503 B		VALVE,EXP.(VFW STARTER)(500/643 AMP)	02XR05003901	->	->	X
503 C		VALVE,SOLENOID (LIQ FLO 2 VFD)	X	23XR05006601	->	X
503 D		VALVE,BALL (5/8) (LIQ FLO 2 VFD)	X	EP71BA201	->	X
504		CONNECTOR,BRAZE (THREADED CONN.)	(2) DF34CA019	(2) ->	(2) ->	(2) ->
505		O-RING (VFD COOL.)(THREADED CONN.)	(2) KK71EW016	(2) ->	(2) ->	(2) ->
506		SLEEVE,BRAZE O-RING FACE SEAL)	(2) DF02CA025	(2) ->	(2) ->	(2) ->
507		NUT (O-RING FACE SEAL)	(2) DF01CA007	(2) ->	(2) ->	(2) ->
507 A		STRAINER,REFRIGERANT (FLO II VFD)	X	23XR05015401	->	->
508		GASKET,RING (3")	(3) CT99QX501	(3) ->	(3) ->	(3) ->
509		GASKET,RING (4")	(2) CT99QX601	(2) ->	(2) ->	(2) ->
510		GASKET,RING (5")	X	X	X	(2) CT99QX651
511		GASKET,RING (6")	X	X	X	X
512		GASKET,RING (8")	X	X	X	X
513		GASKET,RING (10")	(3) CT99QN851	(3) ->	(3) ->	X
514		GASKET,RING (12")	(2) CT99QN951	(2) ->	(2) ->	(3) ->
515		GASKET,RING (16")	CT99QX960	->	->	(2) ->
516 A		VALVE,RELIEF(1/2")(COND. FR# 1 & 2)	(2) X	(2) X	(2) X	(2) X
516 B		VALVE,RELIEF(1")(COND. FR# 1 & 2)	(2) X	(2) X	(2) X	(2) X
516 C		VALVE,RELIEF (COND. FR# 3,4,5,6,7,8)	19EB660005	->	->	->
517 A		VALVE,RELIEF(1/2")(COOL. FR# 1 & 2)	(2) X	(2) X	(2) X	(2) X
517 B		VALVE,RELIEF(1")(COOL. FR# 1 & 2)	(2) X	(2) X	(2) X	(2) X
517 C		VALVE,RELIEF (COOL. FR# 3,4,5,6,7,8)	(2) 19EB660005	(2) ->	(2) ->	(2) ->
518 A		VALVE,SHUTOFF(1")(FR# 3,4,5,6,7,8)	(2) EP83CC301	(2) ->	(2) ->	(2) ->
518 B		VALVE,SHUTOFF(1/2")(FR# 1 & 2)	X	X	X	X
518 C		VALVE,SHUTOFF(1")(FR# 1 & 2)	X	X	X	X
519		FILTER,REFRIGERANT (OIL RECLAIM)	KH42ME060	->	->	->
520		"O" RING	KK71EW223	->	->	(2) ->
521		"O" RING	KK71EW223	->	->	->
522		VALVE,BALL (3/8")	(2) EP71BA121	(2) ->	(2) ->	(2) ->
523		SIGHTGLASS	AMI-1SS3	->	->	->
524 A		"O" RING,DRAIN (FR# 1,2,3,4 COND.)	X	X	X	X
524 B		"O" RING,DRAIN (FR# 5,6 COND.)	KK71EW243	->	->	X
524 C		"O" RING,DRAIN (FR# 7,8 COND.)	KK71EW262	->	->	->
525		GASKET,COND. DRAIN (FR# 5,6 COND.)	19XR55003301	->	->	X
		Note: Used Prior To s/n 0197JXXXXX....After See Item 524B.				
526 A		VALVE,BALL(1") (VESSELS FR# 1,2,3,4)	X	X	X	X
526 B		VALVE,BALL(1.5")(VESSELS FR# 5,6,7,8	EP71CQ422	->	->	->
527 A		VALVE,BALL(5/8") (VESSELS FR# 1 - 6)	(2) 900205	(2) EP71BA211	(2) ->	X
527 B		VALVE,BALL(7/8") (VESSELS FR# 7,8)	(2) 900307	(2) ->	(2) ->	(2) ->
528 A		DRIER,FILTER(5/8")(VESSELS FR# 1 - 6	KH45LE120	->	->	X
528 B		DRIER,FILTER(7/8") (VESSELS FR# 7,8)	KH45LE171	->	->	->
		Note: This Filter Drier Is Used With Sweated Joints. For Alternative				
		See Item 528C.				
528 C		DRIER,FILTER(7/8") (7 & 8)(SEE NOTE)	19XR680047	->	->	->
		Note: Used With Rotoloc Fittings. For First Time Installation 2 Item				

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
		528D's Must Also Be Ordered.				
528 D		ROTALOC FITTING 7/8 (SEE NOTE)	(2) 02XR05005101	(2) ->	(2) ->	(2) ->
529 A		INDICATOR,MOISTURE(5/8")(FR# 1 - 6)	KM43BS062	->	->	X
529 B		INDICATOR,MOISTURE(7/8")(FR# 7,8)	P509-8SS7	->	->	->
530		CAP,SERVICE VALVE	(3) 99CC409372	(3) ->	(3) ->	(3) ->
531 A		VALVE,SERVICE (1/2") (LEVER TYPE)	(3) EP71CQ182	(3) ->	(3) ->	(3) ->
531 B		VALVE,SERVICE (1/2")	(3) EP71CZ182	(3) ->	(3) ->	(3) ->
532		VALVE,SCHRADER	(2) 06DA403844	(2) ->	(2) ->	(2) ->
533		GAUGE,PRESSURE	KM03AC256	->	->	->
534		ELL CONNECTOR (3/8 X 9/16-18)	02XB05000601	->	->	X
		Includes: Item #535.				
535		"O" RING,CONNECTOR	KK71EW906	->	->	X
536 A		SCREEN,FLOAT VALVE(COND.FR# 1,2,3,4)	X	X	X	X
536 B		SCREEN,FLOAT VALVE(COND.FR# 5 & 6)	09XR04000401	09XR04005701	->	X
536 C		SCREEN,FLOAT VALVE(COND.FR# 7 & 8)	09XR04001101	->	->	->
537 A		VALVE ASY,FLOAT (COND.FRAME 1 & 2)	X	X	X	X
		Includes: Items #538 - 539.				
537 B		VALVE ASY,FLOAT (COND.FRAME 3 & 4)	X	X	X	X
		Includes: Items #538 - 539.				
537 C		VALVE ASY,FLOAT (COND.FRAME 5 & 6)	09XR04005303	->	->	X
		Includes: Items #538 - 539.				
537 D		VALVE ASY,FLOAT (COND.FRAME 7 & 8)	09XR04005304	->	->	->
		Includes: Items #538 - 539.				
538		RING,RETAINING	(3) AU45AZ025	(3) ->	(3) ->	(3) ->
539 A		PIN,DRIVE (COND.FR 1-4)(PSN 3503Q)	X	X	X	X
539 B		SHAFT,FLOAT(COND.FR 1-4)(SSN 3503Q	X	X	X	X
539 C		PIN,DRIVE (COND.FR 5&6)(PSN 3503Q)	09XR05001201	->	->	X
539 D		SHAFT,FLOAT(COND.FR 5&6)(SSN 3503Q	09XR05013002	->	->	X
539 E		PIN,DRIVE (COND.FR 7&8)(PSN 3503Q)	09XR05003801	->	->	->
539 F		SHAFT,FLOAT(COND.FR 7&8)(SSN 3503Q	09XR05013003	->	->	->
539 G		BEARING,FLOAT SHAFT (SSN 3503Q)	(2) 09XR05011301	(2) ->	(2) ->	(2) ->
539 H		SPACER (SSN 3503Q)	(2) 09XR05013201	(2) 09XR05013202	(2) ->	X
539 J		SPACER (SSN 3503Q) (FR 7&8 COND. O	X	(2) 09XR05013203	(2) ->	(2) ->
540		WASHER,FLOAT VALVE	(3) AU04AV241	(3) ->	(3) ->	(3) ->
541 A		GASKET,FLOAT VALVE(COND.FR# 1,2,3,4)	X	X	X	X
541 B		GASKET,FLOAT VALVE(COND.FR# 5 & 6)	09XR05002001	->	->	X
542		"O" RING,FLOAT VALVE(COND.FR# 7 & 8)	KK71EW468	->	->	->
543	N	STR. CONNECTOR (3/8 X 9/16-18)	02XB05000301	->	->	X
		Includes: Item #544.				
544	N	"O" RING,CONNECTOR	KK71EW906	->	->	X
545		ELL CONNECTOR (3/4 X 1-1/16-12)	X	X	X	X
		Includes: Item #546.				
546		"O" RING,CONNECTOR	X	X	X	X
547		VALVE,BALL (FR# 3 & 4 VESSELS ONLY)	X	X	X	X
		Note: Machines Built Prior To July 1999 May Need Piping Modification.				

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
548		VALVE,BALL (FR# 1 & 2 VESSELS ONLY)	X	X	X	X
549 A		VALVE,BUTTERFLY (DISCH. ISOLATION)	ER39MZ861	X	X	ER39MZ890
		Note: Used On Machines Built Prior To Week 40,2000.				
549 B		VALVE,BUTTERFLY (DISCH. ISOLATION)	19XR05016406	->	->	19XR05016407
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
550 A		VALVE,BUTTERFLY (COOLER ISOLATION)	ER38MZ601	X	X	X
		Note: Used On Machines Built Prior To Week 40,2000.				
550 B		VALVE,BUTTERFLY (COOLER ISOLATION)	19XR05016401	->	->	X
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
550 C		O-RING KIT (3") (FOR 19XR05016401)	540003008	->	->	X
550 D		O-RING KIT (4") (FOR 19XR05016402)	540003011	->	->	X
550 E		O-RING KIT (5") (FOR 19XR05016403)	X	X	X	540003014
551 A		VALVE,BUTTERFLY (COOL. ISOL.) (FR#7)	ER38MZ711	X	X	ER38MZ711
		Note: Used On Machines Built Prior To Week 40,2000.				
551 B		VALVE,BUTTERFLY (COOL. ISOL.) (FR#7)	19XR05016402	->	->	->
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
552 A		VALVE,BUTTERFLY (COOL. ISOL.) (FR#8)	X	X	X	ER38MZ801
		Note: Used On Machines Built Prior To Week 40,2000.				
552 B		VALVE,BUTTERFLY (COOL. ISOL.) (FR#8)	X	X	X	19XR05016403
		Note: Used On Machines Built After Week 40,2000. (No Gaskets Required)				
553		COOLER TUBE (SEE NOTE)	TUBE QUANTITY	->	->	->
		Note: To Obtain The Proper Tubes For Your Particular Machine Contact				
		Your Carrier (RCD) Rep. You Must Provide Machine Serial No.				
553 A		COOLER TUBE QTY. (FR# 10,15)	X	X	X	X
553 B		COOLER TUBE QTY. (FR# 11,16)	X	X	X	X
553 C		COOLER TUBE QTY. (FR# 12,17)	X	X	X	X
553 D		COOLER TUBE QTY. (FR# 20,30,35)	X	X	X	X
553 E		COOLER TUBE QTY. (FR# 21,31,36)	X	X	X	X
553 F		COOLER TUBE QTY. (FR# 22,32,37)	X	X	X	X
553 G		COOLER TUBE QTY. (FR# 30,35)	X	X	X	X
553 H		COOLER TUBE QTY. (FR# 31,36)	X	X	X	X
553 I		COOLER TUBE QTY. (FR# 32,37)	X	X	X	X
553 J		COOLER TUBE QTY. (FR# 40,45)	X	X	X	X
553 K		COOLER TUBE QTY. (FR# 41,46)	X	X	X	X
553 L		COOLER TUBE QTY. (FR# 42,47)	X	X	X	X
553 M		COOLER TUBE QTY. (FR# 50,55)	431	->	->	X
553 N		COOLER TUBE QTY. (FR# 51,56)	485	->	->	X
553 O		COOLER TUBE QTY. (FR# 52,57)	519	->	->	X
553 P		COOLER TUBE QTY. (FR# 60,65)	557	->	->	X
553 Q		COOLER TUBE QTY. (FR# 61,66)	599	->	->	X
553 R		COOLER TUBE QTY. (FR# 62,67)	633	->	->	X
553 S		COOLER TUBE QTY. (FR# 70,75)	644	->	->	->
553 T		COOLER TUBE QTY. (FR# 71,76)	726	->	->	->
553 U		COOLER TUBE QTY. (FR# 72,77)	790	->	->	->
553 V		COOLER TUBE QTY. (FR# 80,85)	X	X	X	829

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
553 W		COOLER TUBE QTY. (FR# 81,86)	X	X	X	901
553 X		COOLER TUBE QTY. (FR# 82,87)	X	X	X	976
554		CONDENSER TUBE (SEE NOTE)	TUBE QUANTITY	->	->	->
		Note: To Obtain The Proper Tubes For Your Particular Machine Contact				
		Your Carrier (RCD) Rep. You Must Provide Machine Serial No.				
554 A		CONDENSER TUBE QTY. (FR# 10,15)	X	X	X	X
554 B		CONDENSER TUBE QTY. (FR# 11,16)	X	X	X	X
554 C		CONDENSER TUBE QTY. (FR# 12,17)	X	X	X	X
554 D		CONDENSER TUBE QTY. (FR# 20,30,35)	X	X	X	X
554 E		CONDENSER TUBE QTY. (FR# 21,31,36)	X	X	X	X
554 F		CONDENSER TUBE QTY. (FR# 22,32,37)	X	X	X	X
554 G		CONDENSER TUBE QTY. (FR# 30,35)	X	X	X	X
554 H		CONDENSER TUBE QTY. (FR# 31,36)	X	X	X	X
554 I		CONDENSER TUBE QTY. (FR# 32,37)	X	X	X	X
554 J		CONDENSER TUBE QTY. (FR# 40,45)	X	X	X	X
554 K		CONDENSER TUBE QTY. (FR# 41,46)	X	X	X	X
554 L		CONDENSER TUBE QTY. (FR# 42,47)	X	X	X	X
554 M		CONDENSER TUBE QTY. (FR# 50,55)	507	->	->	X
554 N		CONDENSER TUBE QTY. (FR# 51,56)	556	->	->	X
554 O		CONDENSER TUBE QTY. (FR# 52,57)	602	->	->	X
554 P		CONDENSER TUBE QTY. (FR# 60,65)	648	->	->	X
554 Q		CONDENSER TUBE QTY. (FR# 61,66)	695	->	->	X
554 R		CONDENSER TUBE QTY. (FR# 62,67)	741	->	->	X
554 S		CONDENSER TUBE QTY. (FR# 70,75)	X	781	X	781
554 T		CONDENSER TUBE QTY. (FR# 71,76)	X	870	X	870
554 U		CONDENSER TUBE QTY. (FR# 72,77)	X	956	X	956
554 V		CONDENSER TUBE QTY. (FR# 80,85)	X	X	X	990
554 W		CONDENSER TUBE QTY. (FR# 81,86)	X	X	X	1080
554 X		CONDENSER TUBE QTY. (FR# 82,87)	X	X	X	1170
555 A		COOL. W/B GSKT. NIH 150 PSI (FR#1)	X	X	X	X
555 B		COOL. W/B GSKT. NIH 300 PSI (FR#1)	X	X	X	X
555 C		COOL. W/B GSKT. NIH 150 PSI (FR#2)	X	X	X	X
555 D		COOL. W/B GSKT. NIH 300 PSI (FR#2)	X	X	X	X
555 E		COOL. W/B GSKT. NIH 150 PSI (FR#3)	X	X	X	X
555 F		COOL. W/B GSKT. NIH 300 PSI (FR#3)	X	X	X	X
555 G		COOL. W/B GSKT. NIH 150 PSI (FR#4)	X	X	X	X
555 H		COOL. W/B GSKT. NIH 300 PSI (FR#4)	X	X	X	X
555 I		COOL. W/B GSKT. NIH 150 PSI (FR#5)	(2) 09XR55000801	(2) ->	(2) ->	X
555 J		COOL. W/B GSKT. NIH 300 PSI (FR#5)	(2) 09XR55001001	(2) ->	(2) ->	X
555 K		COOL. W/B GSKT. NIH 150 PSI (FR#6)	(2) 09XR65000801	(2) ->	(2) ->	X
555 L		COOL. W/B GSKT. NIH 300 PSI (FR#6)	(2) 09XR65001001	(2) ->	(2) ->	X
555 M		COOL. W/B GSKT. NIH 150 PSI (FR#7)	(2) 10XR75000401	(2) 10XR75000901	(2) 10XR75000401	(2) ->
555 N		COOL. W/B GSKT. NIH 300 PSI (FR#7)	(2) 10XR75000401	(2) 10XR75000901	(2) 10XR75000401	(2) ->
555 O		COOL. W/B GSKT. NIH 150 PSI (FR#8)	X	X	X	(2) 10XR85000601
555 P		COOL. W/B GSKT. NIH 300 PSI (FR#8)	X	X	X	(2) 10XR85000601

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
556 A		COND. W/B GSKT. NIH 150 PSI (FR#1)	X	X	X	X
556 B		COND. W/B GSKT. NIH 300 PSI (FR#1)	X	X	X	X
556 C		COND. W/B GSKT. NIH 150 PSI (FR#2)	X	X	X	X
556 D		COND. W/B GSKT. NIH 300 PSI (FR#2)	X	X	X	X
556 E		COND. W/B GSKT. NIH 150 PSI (FR#3)	X	X	X	X
556 F		COND. W/B GSKT. NIH 300 PSI (FR#3)	X	X	X	X
556 G		COND. W/B GSKT. NIH 150 PSI (FR#4)	X	X	X	X
556 H		COND. W/B GSKT. NIH 300 PSI (FR#4)	X	X	X	X
556 I		COND. W/B GSKT. NIH 150 PSI (FR#5)	(2) 09XR55000801	X	(2) 09XR55000801	X
556 J		COND. W/B GSKT. NIH 300 PSI (FR#5)	(2) 09XR55001001	X	(2) 09XR55001001	X
556 K		COND. W/B GSKT. NIH 150 PSI (FR#6)	(2) 09XR65000801	X	(2) 09XR65000801	X
556 L		COND. W/B GSKT. NIH 300 PSI (FR#6)	(2) 09XR65001001	X	(2) 09XR65001001	X
556 M		COND. W/B GSKT. NIH 150 PSI (FR#7)	(2) 09XR75000901	X	(2) 09XR75000901	(2) ->
556 N		COND. W/B GSKT. NIH 300 PSI (FR#7)	(2) 09XR75000901	X	(2) 09XR75000901	(2) ->
556 O		COND. W/B GSKT. NIH 150 PSI (FR#8)	X	X	X	(2) 09XR85000901
556 P		COND. W/B GSKT. NIH 300 PSI (FR#8)	X	X	X	(2) 09XR85000901
557		FRAME #2 COOL. MARINE W/B GSKT. ONLY	X	X	X	X
557 A		COOL. W/B GSKT. MARINE 150 PSI(FR#2)	X	X	X	X
		Note: Used On 1 And 3 Pass Frame #2 Coolers, Nozzle And Blank End.				
557 B		COOL. W/B GSKT. MARINE 150 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Coolers, Nozzle End Only.				
557 C		COOL. W/B GSKT. MARINE 150 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Coolers, Blank End Only.				
557 D		COOL. W/B GSKT. MARINE 300 PSI(FR#2)	X	X	X	X
		Note: Used On 1 And 3 Pass Frame #2 Coolers, Nozzle And Blank End.				
557 E		COOL. W/B GSKT. MARINE 300 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Coolers, Nozzle End Only.				
557 F		COOL. W/B GSKT. MARINE 300 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Coolers, Blank End Only.				
557 G		FRAME #3 COOL. MARINE W/B GSKT. ONLY	X	X	X	X
557 H		COOL. W/B GSKT. MARINE 150 PSI(FR#3)	X	X	X	X
		Note: Used On 1 And 3 Pass Frame #3 Coolers, Nozzle And Blank End.				
557 I		COOL. W/B GSKT. MARINE 150 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Coolers, Nozzle End Only.				
557 J		COOL. W/B GSKT. MARINE 150 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Coolers, Blank End Only.				
557 K		COOL. W/B GSKT. MARINE 300 PSI(FR#3)	X	X	X	X
		Note: Used On 1 And 3 Pass Frame #3 Coolers, Nozzle And Blank End.				
557 L		COOL. W/B GSKT. MARINE 300 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Coolers, Nozzle End Only.				
557 M		COOL. W/B GSKT. MARINE 300 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Coolers, Blank End Only.				
557 N		COOL. W/B GSKT. MARINE 150 PSI(FR#4)	X	X	X	X
557 O		COOL. W/B GSKT. MARINE 300 PSI(FR#4)	X	X	X	X
557 P		COOL. W/B GSKT. MARINE 150 PSI(FR#5)	(2) 09XR55000801	(2) ->	(2) ->	X

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
557 Q		COOL. W/B GSKT. MARINE 300 PSI(FR#5)	(2) 09XR55001001	(2) ->	(2) ->	X
557 R		COOL. W/B GSKT. MARINE 150 PSI(FR#6)	(2) 09XR65000801	(2) ->	(2) ->	X
557 S		COOL. W/B GSKT. MARINE 300 PSI(FR#6)	(2) 09XR65001001	(2) ->	(2) ->	X
557 T		COOL. W/B GSKT. MARINE 150 PSI(FR#7)	(2) 10XR75000401	(2) ->	(2) ->	(2) ->
557 U		COOL. W/B GSKT. MARINE 300 PSI(FR#7)	(2) 10XR75000401	(2) ->	(2) ->	(2) ->
557 V		COOL. W/B GSKT. MARINE 150 PSI(FR#8)	X	X	X	(2) 10XR85000601
557 W		COOL. W/B GSKT. MARINE 300 PSI(FR#8)	X	X	X	(2) 10XR85000601
558		FRAME #2 COND. MARINE W/B GSKT. ONLY	X	X	X	X
558 A		COND. W/B GSKT. MARINE 150 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Condensers, Nozzle End Only.				
558 B		COND. W/B GSKT. MARINE 150 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Condensers, Blank End Only.				
558 C		COND. W/B GSKT. MARINE 300 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Condensers, Nozzle End Only.				
558 D		COND. W/B GSKT. MARINE 300 PSI(FR#2)	X	X	X	X
		Note: Used On 2 Pass Frame #2 Condensers, Blank End Only.				
558 E		FRAME #3 COND. MARINE W/B GSKT. ONLY	X	X	X	X
558 F		COND. W/B GSKT. MARINE 150 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Condensers, Nozzle End Only.				
558 G		COND. W/B GSKT. MARINE 150 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Condensers, Blank End Only.				
558 H		COND. W/B GSKT. MARINE 300 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Condensers, Nozzle End Only.				
558 I		COND. W/B GSKT. MARINE 300 PSI(FR#3)	X	X	X	X
		Note: Used On 2 Pass Frame #3 Condensers, Blank End Only.				
558 J		COND. W/B GSKT. MARINE 150 PSI(FR#4)	X	X	X	X
558 K		COND. W/B GSKT. MARINE 300 PSI(FR#4)	X	X	X	X
558 L		COND. W/B GSKT. MARINE 150 PSI(FR#5)	(2) 09XR55000801	X	(2) 09XR55000801	X
558 M		COND. W/B GSKT. MARINE 300 PSI(FR#5)	(2) 09XR55001001	(2) 09XR55000801	(2) 09XR55001001	X
558 N		COND. W/B GSKT. MARINE 150 PSI(FR#6)	(2) 09XR65000801	(2) ->	(2) ->	X
558 O		COND. W/B GSKT. MARINE 300 PSI(FR#6)	(2) 09XR65001001	(2) ->	(2) ->	X
558 P		COND. W/B GSKT. MARINE 150 PSI(FR#7)	(2) 09XR75000901	(2) 10XR75000901	(2) 09XR75000901	(2) ->
558 Q		COND. W/B GSKT. MARINE 300 PSI(FR#7)	(2) 09XR75000901	(2) 10XR75000901	(2) 09XR75000901	(2) ->
558 R		COND. W/B GSKT. MARINE 150 PSI(FR#8)	X	X	X	(2) 09XR85000901
558 S		COND. W/B GSKT. MARINE 300 PSI(FR#8)	X	X	X	(2) 09XR85000901
559		GASKET,DIVISION PLATE (25' ROLL)	19XB680001	->	->	->
560		FRAME #4 COOL. MARINE W/B & DISHED H	X	X	X	X
560 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	X	X	X
		Note: Used On Frame #4 Coolers, Marine W/B End Only.				
560 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	X	X	X
		Note: Used On Frame #4 Coolers, Dished Head End Only.				
561		FRAME #4 COOL. DISHED HEADS BOTH END	X	X	X	X
561 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	X	X	X
		Note: Used On Frame #4 Coolers, Both Dished Head Ends.				
562		FRAME #5 COOL. MARINE W/B & DISHED H	SEE NOTES FOR USAGE	->	->	X

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
562 A		COOL. HEAD GSKT. MARINE W/B END (FR#	09XR55000801	->	->	X
		Note: Used On Frame #5 Coolers, Marine W/B End Only.				
562 B		COOL. HEAD GSKT. DISHED HEAD END (FR	09XR05007002	->	->	X
		Note: Used On Frame #5 Coolers, Dished Head End Only.				
563		FRAME #5 COOL. DISHED HEADS BOTH END	SEE NOTES FOR USAGE	->	->	X
563 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	(2) 09XR05007002	(2) ->	(2) ->	X
		Note: Used On Frame #5 Coolers, Both Dished Head Ends.				
564		FRAME #6 COOL. MARINE W/B & DISHED H	SEE NOTES FOR USAGE	->	->	X
564 A		COOL. HEAD GSKT. MARINE W/B END (FR#	09XR65000801	->	->	X
		Note: Used On Frame #6 Coolers, Marine W/B End Only.				
564 B		COOL. HEAD GSKT. DISHED HEAD END (FR	09XR05007003	->	->	X
		Note: Used On Frame #6 Coolers, Dished Head End Only.				
565		FRAME #6 COOL. DISHED HEADS BOTH END	SEE NOTES FOR USAGE	->	->	X
565 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	(2) 09XR05007003	(2) ->	(2) ->	X
		Note: Used On Frame #6 Coolers, Both Dished Head Ends.				
566		FRAME #7 COOL. MARINE W/B & DISHED H	SEE NOTES FOR USAGE	->	->	->
566 A		COOL. HEAD GSKT. MARINE W/B END (FR#	09XR75000401	->	->	->
		Note: Used On Frame #7 Coolers, Marine W/B End Only.				
566 B		COOL. HEAD GSKT. DISHED HEAD END (FR	09XR05007004	->	->	->
		Note: Used On Frame #7 Coolers, Dished Head End Only.				
567		FRAME #7 COOL. DISHED HEADS BOTH END	SEE NOTES FOR USAGE	->	->	->
567 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	(2) 09XR05007004	(2) ->	(2) ->	(2) ->
		Note: Used On Frame #7 Coolers, Both Dished Head Ends.				
568		FRAME #8 COOL. MARINE W/B & DISHED H	X	X	X	SEE NOTES FOR USAGE
568 A		COOL. HEAD GSKT. MARINE W/B END (FR#	X	X	X	10XR85000901
		Note: Used On Frame #8 Coolers, Marine W/B End Only.				
568 B		COOL. HEAD GSKT. DISHED HEAD END (FR	X	X	X	09XR05007005
		Note: Used On Frame #8 Coolers, Dished Head End Only.				
569		FRAME #8 COOL. DISHED HEADS BOTH END	X	X	X	SEE NOTES FOR USAGE
569 A		COOL. HEAD GSKT. DISHED HEAD ENDS (F	X	X	X	(2) 09XR05007005
		Note: Used On Frame #8 Coolers, Both Dished Head Ends.				
570		FRAME #4 COND. MARINE W/TI TUBE SHT	X	X	X	X
570 A		COND. HEAD GSKT. MARINE END (FR#4)	X	X	X	X
		Note: Used On Frame #4 Condensers, Marine W/B Head Only.				
570 B		COND. HEAD GSKT. MARINE END (FR#4)	X	X	X	X
		Note: Used On Frame #4 Condensers,Marine W/B To Mach. Connection Only.				
570 C		COND. HEAD GSKT. DISHED END (FR#4)	X	X	X	X
		Note: Used On Frame #4 Condensers, Dished Head End Only.				
571		FRAME #4 COND. MARINE W/B	X	X	X	X
571 A		COND. HEAD GSKT. MARINE W/B END (FR#	X	X	X	X
		Note: Used On Frame #4 Condensers, Marine W/B End Only.				
571 B		COND. HEAD GSKT. DISHED HEAD END (FR	X	X	X	X
		Note: Used On Frame #4 Condensers, Dished Head End Only.				
572		FRAME #4 COND. DISHED HEADS	X	X	X	X
572 A		COND. HEAD GSKT. DISHED HEADS (FR#4)	X	X	X	X

CATALOG NO.: RCD-3519-061 REV. B
SUPERSEDES : RCD-3519-061 REV. A

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
		Note: Used On Frame #4 Condensers, Both Dished Head Ends.				
573		FRAME #5 COND. MARINE W/TI TUBE SHT	SEE NOTES FOR USAGE	->	->	X
573 A		COND. HEAD GSKT. MARINE END (FR#5)	09XR55000801	->	->	X
		Note: Used On Frame #5 Condensers, Marine W/B Head Only.				
573 B		COND. HEAD GSKT. MARINE END (FR#5)	09XR55001601	->	->	X
		Note: Used On Frame #5 Condensers,Marine W/B To Mach. Connection Only.				
573 C		COND. HEAD GSKT. DISHED END (FR#5)	09XR05007002	->	->	X
		Note: Used On Frame #5 Condensers, Dished Head End Only.				
574		FRAME #5 COND. MARINE W/B	SEE NOTES FOR USAGE	->	->	X
574 A		COND. HEAD GSKT. MARINE W/B END (FR#	09XR55000801	->	->	X
		Note: Used On Frame #5 Condensers, Marine W/B End Only.				
574 B		COND. HEAD GSKT. DISHED HEAD END (FR	09XR05007002	->	->	X
		Note: Used On Frame #5 Condensers, Dished Head End Only.				
575		FRAME #5 COND. DISHED HEADS	SEE NOTES FOR USAGE	->	->	X
575 A		COND. HEAD GSKT. DISHED HEADS (FR#5)	(2) 09XR05007002	(2) ->	(2) ->	X
		Note: Used On Frame #5 Condensers, Both Dished Head Ends.				
576		FRAME #6 COND. MARINE W/TI TUBE SHT	SEE NOTES FOR USAGE	->	->	X
576 A		COND. HEAD GSKT. MARINE END (FR#6)	09XR65000801	->	->	X
		Note: Used On Frame #6 Condensers, Marine W/B Head Only.				
576 B		COND. HEAD GSKT. MARINE END (FR#6)	09XR65001601	->	->	X
		Note: Used On Frame #6 Condensers,Marine W/B To Mach. Connection Only.				
576 C		COND. HEAD GSKT. DISHED END (FR#6)	09XR05007003	->	->	X
		Note: Used On Frame #6 Condensers, Dished Head End Only.				
577		FRAME #6 COND. MARINE W/B	SEE NOTES FOR USAGE	->	->	X
577 A		COND. HEAD GSKT. MARINE W/B END (FR#	09XR65000801	->	->	X
		Note: Used On Frame #6 Condensers, Marine W/B End Only.				
577 B		COND. HEAD GSKT. DISHED HEAD END (FR	09XR05007003	->	->	X
		Note: Used On Frame #6 Condensers, Dished Head End Only.				
578		FRAME #6 COND. DISHED HEADS	SEE NOTES FOR USAGE	->	->	X
578 A		COND. HEAD GSKT. DISHED HEADS (FR#6)	(2) 09XR05007003	(2) ->	(2) ->	X
		Note: Used On Frame #6 Condensers, Both Dished Head Ends.				
579		FRAME #7 COND. MARINE W/TI TUBE SHT	SEE NOTES FOR USAGE	->	->	->
579 A		COND. HEAD GSKT. MARINE END (FR#7)	09XR75001901	->	->	->
		Note: Used On Frame #7 Condensers, Marine W/B Head Only.				
579 B		COND. HEAD GSKT. MARINE END (FR#7)	09XR75001901	->	->	->
		Note: Used On Frame #7 Condensers,Marine W/B To Mach. Connection Only.				
579 C		COND. HEAD GSKT. DISHED END (FR#7)	09XR05007004	->	->	->
		Note: Used On Frame #7 Condensers, Dished Head End Only.				
580		FRAME #7 COND. MARINE W/B	SEE NOTES FOR USAGE	->	->	->
580 A		COND. HEAD GSKT. MARINE W/B END (FR#	09XR75000901	->	->	->
		Note: Used On Frame #7 Condensers, Marine W/B End Only.				
580 B		COND. HEAD GSKT. DISHED HEAD END (FR	09XR05007004	->	->	->
		Note: Used On Frame #7 Condensers, Dished Head End Only.				
581		FRAME #7 COND. DISHED HEADS	SEE NOTES FOR USAGE	->	->	->
581 A		COND. HEAD GSKT. DISHED HEADS (FR#7)	(2) 09XR05007004	(2) ->	(2) ->	(2) ->

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MACHINE ARRANGEMENT & PIPING				
		Note: Used On Frame #7 Condensers, Marine W/B End Only.				
582		FRAME #8 COND. MARINE W/TI TUBE SHT	X	X	X	SEE NOTES FOR USAGE
582 A		COND. HEAD GSKT. MARINE END (FR#8)	X	X	X	09XR85002001
		Note: Used On Frame #8 Condensers, Marine W/B Head Only.				
582 B		COND. HEAD GSKT. MARINE END (FR#8)	X	X	X	09XR85002001
		Note: Used On Frame #8 Condensers,Marine W/B To Mach. Connection Only.				
582 C		COND. HEAD GSKT. DISHED END (FR#8)	X	X	X	09XR05007005
		Note: Used On Frame #8 Condensers, Dished Head End Only.				
583		FRAME #8 COND. MARINE W/B	X	X	X	SEE NOTES FOR USAGE
583 A		COND. HEAD GSKT. MARINE W/B END (FR#	X	X	X	09XR85000901
		Note: Used On Frame #8 Condensers, Marine W/B End Only.				
583 B		COND. HEAD GSKT. DISHED HEAD END (FR	X	X	X	09XR05007005
		Note: Used On Frame #8 Condensers, Dished Head End Only.				
584		FRAME #8 COND. DISHED HEADS	X	X	X	SEE NOTES FOR USAGE
584 A		COND. HEAD GSKT. DISHED HEADS (FR#8)	X	X	X	09XR05007005
		Note: Used On Frame #8 Condensers, Both Dished Head Ends.				
585		FRAME #4 COND. W/BOLTED ON HEADS	X	X	X	X
585 A		COND. W/B GSKT. W/BOLTED HEADS (FR#4	X	X	X	X
		Note: Used On Frame #4 Condensers, Marine W/B Cover Only.				
585 B		COND. W/B GSKT. W/BOLTED HEADS (FR#4	X	X	X	X
		Note: Used On Frame #4 Condensers, Marine W/B To Machine Connection,				
		Blank End To Machine Connection And Blank End Cover.				
586		FRAME #5 COND. W/BOLTED ON HEADS	SEE NOTES FOR USAGE	->	->	X
586 A		COND. W/B GSKT. W/BOLTED HEADS (FR#5	09XR55000801	->	->	X
		Note: Used On Frame #5 Condensers, Marine W/B Cover Only.				
586 B		COND. W/B GSKT. W/BOLTED HEADS (FR#5	(3) 09XR55001601	(3) ->	(3) ->	X
		Note: Used On Frame #5 Condensers, Marine W/B To Machine Connection,				
		Blank End To Machine Connection And Blank End Cover.				
587		FRAME #6 COND. W/BOLTED ON HEADS	SEE NOTES FOR USAGE	->	->	X
587 A		COND. W/B GSKT. W/BOLTED HEADS (FR#6	09XR65000801	->	->	X
		Note: Used On Frame #6 Condensers, Marine W/B Cover Only.				
587 B		COND. W/B GSKT. W/BOLTED HEADS (FR#6	(3) 09XR65001601	(3) ->	(3) ->	X
		Note: Used On Frame #6 Condensers, Marine W/B To Machine Connection,				
		Blank End To Machine Connection And Blank End Cover.				
		HOT GAS BYPASS				
588		VALVE,SOLENOID (FR# 1,2,3,4,5,6 COND	EF28BS451	->	->	X
589		REBUILD KIT,SOLENOID VALVE ITEM# 588	KS-E42	->	->	X
590		VALVE,SOLENOID (FR#7,8 COND. ONLY)	19XR74003401	->	->	->
591 A		PILOT RELAY (FR# 1,2,3,4,5,6, COND.)	HN61KK224	->	->	->
591 B		PILOT RELAY (FR# 7,8 COND. ONLY)	HN61KQ120	->	->	->
592		VALVE,BALL (1-5/8")	EP71BA451	EP71BA471	->	X
592 A		O-RING (HGBP LINE)	X	KK71EW229	->	X

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV
INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PUMPDOWN ASSEMBLY				
640 A		PUMPDOWN ASSEMBLY (208-3-60)	19EA411113	->	->	->
640 B		PUMPDOWN ASSEMBLY (230-3-60)	19EA421113	->	->	->
640 C		PUMPDOWN ASSEMBLY (400/460-3-50/60)	19EA431113	->	->	->
640 D		PUMPDOWN ASSEMBLY (575-3-60)	19EA461113	->	->	->
641 A		COMPRESSOR ASY (208/230-3-60)	06DM8086GC3250	->	->	->
641 B		COMPRESSOR ASY (400/460-3-50/60)	06DM8086GC3650	->	->	->
641 C		COMPRESSOR ASY (575-3-60)	06DM8086GC3150	->	->	->
642	N	GASKET SET	6D43172	->	->	->
643	N	VALVE PLATE PACKAGE (1-13/16" BORE	NO LONGER AVAILABLE	->	->	->
		Includes: Items #644 - 650.				
644	N	VALVE PLATE ASY	NO LONGER AVAILABLE	->	->	->
645	N	DISCHARGE VALVE	(2) 6D751062	(2) ->	(2) ->	(2) ->
646	N	DISCHARGE VALVE STOP	(2) 6D751072	(2) ->	(2) ->	(2) ->
647	N	SUCTION VALVE SPRING	(2) 6D401021	(2) ->	(2) ->	(2) ->
648	N	SUCTION VALVE	(2) 6D451072	(2) ->	(2) ->	(2) ->
649	N	GASKET,VALVE PLATE	6D401073	->	->	->
650	N	GASKET,CYLINDER HEAD	05GA502213	->	->	->
651		VALVE PLATE PACKAGE (2" BORE)	06DA660120	->	->	->
		Includes: Items 652 - 660.				
652		VALVE PLATE ASY.	06DA404674	->	->	->
653		GASKET,VALVE PLATE	05DA500153	->	->	->
654		GASKET,CYLINDER HEAD (PLAIN)	05GA502213	->	->	->
655		GASKET,CYLINDER HEAD (S.C.O.U.)	05GA502223	->	->	->
656		SUCTION VALVE	(2) 06DA502903	(2) ->	(2) ->	(2) ->
657		SPRING,SUCTION VALVE POSITIONING	(2) 6D401021	(2) ->	(2) ->	(2) ->
658		GASKET,CYLINDER HEAD (CENTER BAN	05GA502173	->	->	->
659		GASKET,VALVE PLATE (LESS I PORT)	06DA502923	->	->	->
660		DOWEL PIN	7J16032	->	->	->
661	N	PISTON & PIN PACKAGE	(2) 6D68962	(2) ->	(2) ->	(2) ->
662	N	ECCENTRIC STRAP	(2) 5D401372	(2) ->	(2) ->	(2) ->
663	N	COMPRESSION RING	(2) AU50CP355	(2) ->	(2) ->	(2) ->
664	N	BEARING HEAD ASY	06DA660060	->	->	->
665	N	OIL FILTER ASY	6D40103	->	->	->
666		SERVICE VALVE PKG. (SUCTION)	5F20660002	->	->	->
		Includes: Item #667.				
667		GASKET,SUCTION VALVE	6D231421	->	->	->
668		SERVICE VALVE PKG. (DISCHARGE)	06DA660060	->	->	->
		Includes: Item #669.				
669		GASKET,DISCHARGE VALVE	6D231421	->	->	->
670		CONDENSER ASY	19EA41531	->	->	->
		Includes: Items #671 - 672.				
671		TRY COCK ASY	7F0132	->	->	->
672		VALVE,LIQUID	EP12BH211	->	->	->
673		COMPR.OVERLOAD(30A)(FURNAS-MAN RESET	HN68JX003	->	->	->
674 A		OVERLOAD HEATER (208V)	(3) HN71JC050	(3) ->	(3) ->	(3) ->

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PUMPDOWN ASSEMBLY				
674 B		OVERLOAD HEATER (230V)	(3) HN71JC049	(3) ->	(3) ->	(3) ->
674 C		OVERLOAD HEATER (460V)	(3) HN71JC036	(3) ->	(3) ->	(3) ->
674 D		OVERLOAD HEATER (575V)	(3) HN71JC031	(3) ->	(3) ->	(3) ->
675		CONTROL BOX COVER	07DA500002	->	->	->
676		CONTROL BOX ASSEMBLY	19EA41588	->	->	->
		Includes: Items #677 - 683.				
677		TERMINAL BLOCK	HY84EG017	->	->	->
678		CONTACTOR	HN53CD115	->	->	->
679		PRESSURE STAT	HK01UA181	->	->	->
680		SWITCH,TOGGLE	HR53ZA035	->	->	->
681		FUSE HOLDER	HKP-HH	->	->	->
682		FUSE (3 AMP)	AGC3	->	->	->
683		GROMMET	KA56XM040	->	->	->
684		SAFETY HEAD	EB51LR385	->	->	->
685		OIL SEPERATOR	KH31LZ008	->	->	->
686		GASKET,OIL SEPERATOR	KY31LY003LA	->	->	->
687		VALVE,DIAPHRAGM (1/2")	(4) A-14841	(4) ->	(4) ->	(4) ->
688		VALVE,ANGLE	EP23LA211	->	->	->
689		GASKET,CAPSCREW (5/16")	(4) AU51YA003	(4) ->	(4) ->	(4) ->
690		GASKET,FLARE (1/2")	DD24FA151	->	->	->
691		SPRING,COMPRESSOR MOUNTING	(4) 50K21231	(4) ->	(4) ->	(4) ->
692		SPRING CUP,COMPRESSOR MOUNTING	(4) 50K41221	(4) ->	(4) ->	(4) ->
700 A		PUMPOUT ASSEMBLY (208/230-3-50/60)	19XR04026501	->	->	->
700 B		PUMPOUT ASSEMBLY (460-3-60)	19XR04026502	->	->	->
700 C		PUMPOUT ASSEMBLY (400-3-50)	19XR04026503	->	->	->
701		COUPLING (1/2 MFL X 1/2 ODS)	(2) DE08DA202	(2) ->	(2) ->	(2) ->
702		VALVE,DIAPHRAGM (5/8 ODS)	(4) EP10BA211	(4) ->	(4) ->	(4) ->
703		NUT,FLARE (1/4)	(2) DD02CA051	(2) ->	(2) ->	(2) ->
704		ADAPTOR (5/8 ODF X 3/8 INT FPT)	DE06DA204	->	->	->
705		VALVE,RELIEF (3/8)	EB51LZ188	->	->	->
706		VALVE,CHECK (5/8)	EC31EZ212	->	->	->
707 A		CONTROL PANEL (208/230-3-50/60)	19XR04028201	->	->	->
707 B		CONTROL PANEL (460-3-60)	19XR04028202	->	->	->
707 C		CONTROL PANEL (400-3-50)	19XR04028203	->	->	->
708		SWITCH,HIGH PRESSURE	19XR05029201	->	->	->
709		SWITCH,VACUUM	19XR05018801	->	->	->
710		CONTACTOR	HN53CC115	->	->	->
711 A		FUSE,PRIMARY (230V)(FU1 & FU2)	(2) KLDR 1/2	(2) ->	(2) ->	(2) ->
711 B		FUSE,PRIMARY (460V)(FU1 & FU2)	(2) KLDR 1/4	(2) ->	(2) ->	(2) ->
711 C		FUSE,PRIMARY (400V)(FU1 & FU2)	(2) KLDR 4/10	(2) ->	(2) ->	(2) ->
712		FUSE (FU3)	KLDR 1/2	->	->	->
713		BLOCK,TERMINAL (TB)	(6) 115188.11	(6) ->	(6) ->	(6) ->
714 A		SWITCH,SELECTOR (ON/OFF)(SS1)	M3SS4-10B	->	->	->
		Note: holder item number 714b should also be ordered.				
714 B		HOLDER,SWITCH	MCBH-00	->	->	->

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		PUMPDOWN ASSEMBLY				
715		BLOCK,CONTACT (SS1)	(2) CBK-CB10	(2) ->	(2) ->	(2) ->
716		HOLDER,FUSE (FU1,FU2,FU3)	(3) 0307220 14	(3) ->	(3) ->	(3) ->
717	A	TRANSFORMER (230/460V)(XFMR)	1497-A-BASK-O-N	->	->	->
717	B	TRANSFORMER (380/400/415)(XFMR)	1497-A-M4-O-N	->	->	->
718		SEPARATOR,OIL	19XR05016701	->	->	->
719		CONDENSER	19XR05020901	->	->	->
720	A	COMPRESSOR (200/230V)	CS27K6E-TFS-970	->	->	->
720	B	COMPRESSOR (380/420/460)	CS27K6E-TFD-970	->	->	->
721		CRANKCASE HEATER (200/600V)	P041-4131	->	->	->
722		NUT,FLARE (1/2)(PUMPOUT TO CLR&COND)	(4) DD01CA201	(4) ->	(4) ->	(4) ->
723		COUPLING (1/2)(PUMPOUT TO CLR&COND)	(4) DD07DA201	(4) ->	(4) ->	(4) ->
		CONTROL PANEL/ VAR. FREQ. DRIVE (VFD)				
800		VARI. FREQ. DRIVE (VFD)(LIQUID-FLO I	(LIQUID-FLO I)	->	->	->
		Liquid-Flo I VFD's order number	on data plate start with "19XVR".			
801		RUN TEST SWITCH	111-16-73-XN	->	->	->
802	A	BREAKER (414 AMPS)	19XV05004901	->	->	->
		Liquid-Flo I VFD's with a 19XVR0414XXX	code number. See data plate.			
802	B	BREAKER (500 AMPS)	19XV05004902	->	->	->
		Liquid-Flo I VFD's with a 19XVR0500XXX	code number. See data plate.			
802	C	BREAKER (643 AMPS)	X	X	X	X
		Liquid-Flo I VFD's with a 19XVR0643XXX	code number. See data plate.			
803	A	MODULE,DRIVE (414 AMPS)	RX-41LR4060	->	->	->
		Liquid-Flo I VFD's with a 19XVR0414XXX	code number. See data plate.			
803	B	MODULE,DRIVE (500 AMPS)	RX-50LR4060	->	->	->
		Liquid-Flo I VFD's with a 19XVR0500XXX	code number. See data plate.			
803	C	MODULE,DRIVE (643 AMPS)	RX-64LR4060	->	->	->
		Liquid-Flo I VFD's with a 19XVR0643XXX	code number. See data plate.			
804		REGULATOR CARD	179116	->	->	->
805		REMOTE METER INTERFACE CARD	2SI3000	->	->	->
806	A	POWER MOD. CONTROL CARD (414 AMP	179170	->	->	->
806	B	POWER MOD. CONTROL CARD (500 AMP	179134	->	->	->
806	C	POWER MOD. CONTROL CARD (643 AMP	179067	->	->	->
807		BUS CONTROL CARD	179069	->	->	->
808		SNUBBER RESISTOR KIT	RC-SNUBBER-C	->	->	->
809	A	TRANSFORMER,CURRENT (414 AMPS)	(3) 19XV05005201	(3) ->	(3) ->	(3) ->
		Liquid-Flo I VFD's with a 19XVR0414XXX	code number. See data plate.			
809	B	TRANSFORMER,CURRENT (500 AMPS)	(3) 19XV05005202	(3) ->	(3) ->	(3) ->
		Liquid-Flo I VFD's with a 19XVR0500XXX	code number. See data plate.			
809	C	TRANSFORMER,CURRENT (643 AMPS)	(3) 19XV05005202	(3) ->	(3) ->	(3) ->
		Liquid-Flo I VFD's with a 19XVR0643XXX	code number. See data plate.			
810		FUSE ASSEMBLY	(2) 19XV05005401	(2) ->	(2) ->	(2) ->
811		RELAY	(3) 19XV05005502	(3) ->	(3) ->	(3) ->
812		DISCONNECT SWITCH	19XV05005601	->	->	->
813		GUARD,FAN	19XV05002501	->	->	->
814		FAN	19XV05002502	->	->	->

NOTE: SEE "CATALOG NOTES" ON LAST PAGE FOR EXPLANATION OF SYMBOLISM.

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		CONTROL PANEL/ VAR. FREQ. DRIVE (VFD)				
815 A		HANDLE,DISCONNECT (414 AMP)	NOT REQUIRED	->	->	->
		Liquid-Flo I VFD's with a 19XVR0414XXX code number. See data plate.				
815 B		HANDLE,DISCONNECT (500 AMP)	19XV04004302	->	->	->
		Liquid-Flo I VFD's with a 19XVR0500XXX code number. See data plate.				
815 C		HANDLE,DISCONNECT (643 AMP)	19XV04004303	->	->	->
		Liquid-Flo I VFD's with a 19XVR0643XXX code number. See data plate.				
816		METER KIT	19XV05006601	->	->	->
		Includes: Amp-meter current transformer, AC amp-meter switch, AC volt-				
		meter, AC voltmeter 0-600v, AC amp-meter 0-800 amps.				
817 A		TRANSFORMER,POTENTIAL (60 HERTZ)	(2) 19XV05007101	(2) ->	(2) ->	(2) ->
		Liquid-Flo I VFD's all 60 hertz models.				
817 B		TRANSFORMER,POTENTIAL (50 HERTZ)	(2) 19XV05007102	(2) ->	(2) ->	(2) ->
		Liquid-Flo I VFD's all 50 hertz models.				
818		TRANSFORMER	19XV05007201	->	->	->
819		CIRCUIT BREAKER	19XV05007501	->	->	->
820		FUSE (1 AMP)	(3) ATQR-1	(3) ->	(3) ->	(3) ->
821		FUSE (15 AMP)	(3) 64676-75AD	(3) ->	(3) ->	(3) ->
822		INTEGRATED STARTER MODULE (ISM)	19XR04012202	->	->	->
823		O-RING	(2) KK71EW016	(2) ->	(2) ->	(2) ->
850		VARI. FREQ. DRIVE (VFD)(LIQ.-FLO II)	(LIQUID-FLO II)	->	->	->
851		VFD REFERENCE ONLY (DO NOT ORDER)	19XV04006401/6501	->	->	->
852 A		CONTACTOR (2AA & 2CC)	(3) 320716	(3) ->	(3) ->	(3) ->
		Liquid-Flo II VFD's with a 19XVA2AA or 19XVA2CC code. See data plate.				
852 B		CONTACTOR (4CC)	(3) 320720	(3) ->	(3) ->	(3) ->
		Liquid-Flo II VFD's with a 19XVA4CCXXX order code. See data plate.				
853 A		POWER MODULE (2AA)	RX-LF200460CCR	->	->	->
		Liquid-Flo II VFD's with a 19XVA2AAXXX code. See data plate.				
853 B		POWER MODULE (2CC)	RX-LF200608CCR	->	->	->
		Liquid-Flo II VFD's with a 19XVA2CCXXX order code. See data plate.				
853 C		POWER MODULE (4CC)	RX-LF201215CCR	->	->	->
		Liquid-Flo II VFD's with a 19XVA4CCXXX code. See data plate.				
854		SWITCH (3 POSITION)	178743	->	->	->
855		AMPMETER	180621-Q01	->	->	->
856		VOLTMETER	180620-Q01	->	->	->
857		FAN,COOLING	(3) 69739-20R	(3) ->	(3) ->	(3) ->
858 A		BOARD,COMM. (GATEWAY) (2AA)	180102	->	->	->
		Liquid-Flo II VFD's with a 19XVA2AA order code. See data plate.				
858 B		BOARD,COMM. (GATEWAY) (2CC)	180102	->	->	->
		Liquid-Flo II VFD's with a 19XVA2CC order code. See data plate.				
858 C		BOARD,COMM. (GATEWAY) (4CC)	180102	->	->	->
		Liquid-Flo II VFD's with a 19XVA4CC order code. See data plate.				
		MISCELLANEOUS GROUP				
900	N	PAINT (SPRAY CAN)(GRAY)	PH23GH022	->	->	->
901	N	PAINT (GALLON CAN)(GRAY)	PH23GH022G	->	->	->
902	N	BRUSH,TUBE CLEANING (3/4" I.D.)	GTC-211 11/16	->	->	->

Replacement Components Division

CENTRIFUGAL CHILLER
(INCLUDES 19XR & 19XRV INFORMATION)

19XR

SIZE: 002 005
SERIES: 1

ITM		PART DESCRIPTION	19XR FR#4 COMPR. SIZE	19XR FR#4 (SRD) COMPR. SIZE	19XR FR#4 (2002) COMPR. SIZE	19XR FR#5 COMPR. SIZE
		MISCELLANEOUS GROUP				
903	N	COMPRESSOR OIL (1 GALLON)	PP23BZ103001	->	->	->
904	N	COMPRESSOR OIL (5 GALLON)	PP23BZ103005	->	->	->
905	N	COMPRESSOR OIL (55 GALLON)	PP23BZ103055	->	->	->
906	N	INSULATION, SHEET (3/4 X 48 X 64)	QR0948486434	->	->	->
907	N	UNIT LOGO "CARRIER"	(2) 19XB05010301	(2) ->	(2) ->	(2) ->
		Note: For Any "Take Apart Kits" Or "Maintenance Kits" Refer				
		To "Kitting Program" Or Contact Your Carrier (RCD) Rep.				
908	N	FLOW SWITCH,DIFFERENTIAL PRESSURE	HK06ZC033	->	->	->
909		LOGO "EVERGREEN"	19XR05004201	->	->	->
910		GREASE,CONDUCTIVE (20 GRAM TUBE)	16JT8106657	->	->	->