
INLINE CENTRIFUGAL PUMPS REPLACEMENT PARTS GUIDE**PACO TYPE VL, VLS, VLF**

This guide is valid for all PACO products beginning with product codes 16, 17 and 127 only.

See back cover for explanation and identification.

While PACO In-Line Pumps are designed and built to provide maximum life while requiring minimum attention and service, replacement parts may at times be required. **Virtually All Required Parts are Available In Kit Form.**

These kits (easily selected from the charts on the following pages) have been designed to ensure that any parts needed when replacing any Inline Pump component are furnished when you need them, with minimal effort.

GUIDELINES AND SUGGESTIONS:

The pump nameplate and motor frame size supplies all data required in the selection and ordering of the proper replacement parts kit. The **PUMP MODEL AND SERIAL NUMBER** should be referenced whenever any replacement parts kit is ordered, while the **pump conditions** (GPM/TDH) and **impeller trim** are required data for the ordering of replacement impellers.

TO REPLACE A MECHANICAL SEAL

Select the correct Seal Kit, which contains the volute and backplate gaskets as appropriate. Shaft sleeve on type VL and VLF and shaft (type VLS) inspection is suggested, and replacement made as indicated.

TO REPLACE SHAFT SLEEVES (Type VL and VLF)

You will need a Shaft sleeve Kit. A Seal or Packing Kit will provide other normally needed parts.

TO REPLACE IMPELLER

An Impeller Kit is required; a Wear Ring Kit is highly recommended, and a Seal or Packing Kit will provide all other normally replaced components.

TO REPLACE WEAR RINGS

A Wear Ring kit is required. A Seal/Packing Kit will provide all other normally replaced components. Shaft sleeve inspection is suggested.

TO REPLACE GASKETS

Order appropriate individual Gaskets, as needed.

TO REPLACE LOST/DAMAGED HARDWARE

Hardware Kits are available, for 175 PSI units. (For 250 PSI refer to factory).

TO OVERHAUL THE PUMP

You will need an Impeller Kit, a Wear Ring Kit, Sleeve or Shaft Kit, and a Seal kit. For Frame Mounted Pumps (Type VLF), see A1b.2 for bearings, shafts, and other bearing frame parts.

PLACING AN ORDER

After determining and selecting the required Kit(s), or for selection assistance, contact your local PACO sales office, representative or distributor.

A3b.2

04/06

Supersedes 3/05



PUMP MODEL NO.	PUMP CONSTR. CODE	IMPELLER (1)(4)		WEAR KING KIT	HARDWARE KIT	SLEEVE (2)	SEAL KIT (3)
		BRONZE	IRON				
1270-5	X0XXXX	K1966-B (4)	K1966-C (4)	K1202 (4)	K1252		K102-X
1270-5	X3XXXX	K1967-B (4)	K1967-C (4)	K1202 (4)	K1253		K105-X
1270-7	X0XXXX	K1966-B	K1966-C	K1202	K1252		K102-X
1270-7	X3XXXX	K1967-B	K1967-C	K1202	K1253		K105-X
1570-5	X0XXXX	K1010-B	K1010-C	K1203	K1252		K102-X
1570-5	X3XXXX	K1010-B	K1010-C	K1203	K1253		K105-X
1570-7	X0XXXX	K1962-B (5)	K1962-C (5)	K1203	K1252		K102-X
1570-7	X3XXXX	K1963-B (5)	K1963-C (5)	K1203	K1253		K105-X
1570-9	X0XXXX	K1962-B	K1962-C	K1203	K1252		K102-X
1570-9	X3XXXX	K1963-B	K1963-C	K1203	K1253		K105-X
2070-1	X0XXXX	K1014-B	K1014-C	K1204	K1252		K102-X
2070-1	X3XXXX	K1015-B	K1015-C	K1204	K1253		K105-X
2070-5	X0XXXX	K1016-B	K1016-C	K1204	K1252		K102-X
2070-5	X3XXXX	K1017-B	K1017-C	K1204	K1253		K105-X
2570-5	X0XXXX	K1018-B	K1018-C	K1205	K1252		K102-X
2570-5	X3XXXX	K1019-B	K1019-C	K1205	K1253		K105-X
2570-7	X0XXXX	K1020-B	K1020-C	K1205	K1252		K102-X
2570-7	X3XXXX	K1021-B	K1021-C	K1205	K1253		K105-X
2570-7	X4XXXX	K1022-B	K1022-C	K1205	K1254		K104-X
2570-9	X0XXXX	K2360-B	K2360-C	K1205	K1252		K102-X
2570-9	X3XXXX	K2362-B	K2362-C	K1205	K1253		K105-X
2570-9	X4XXXX	K2364-B	K2364-C	K1205	K1254		K104-X
3070-5	X3XXXX	K1023-B	K1023-C	K1206	K1253		K105-X
3070-5	X4XXXX	K1024-B	K1024-C	K1206	K1254		K104-X
3070-7	X3XXXX	K1025-B	K1025-C	K1206	K1253		K105-X
3070-7	X4XXXX	K1026-B	K1026-C	K1206	K1254		K104-X
4070-5	X3XXXX	K1027-B	K1027-C	K1207	K1253		K105-X
4070-5	X4XXXX	K1028-B	K1028-C	K1207	K1254		K104-X
4070-7	X3XXXX	K1029-B	K1029-C	K1208	K1253		K105-X
4070-7	X4XXXX	K1030-B	K1030-C	K1208	K1254		K104-X
5070-5	X3XXXX	K1031-B	K1031-C	K1209	K1253		K105-X
5070-5	X4XXXX	K1032-B	K1032-C	K1239	K1254		K104-X
5070-7	X3XXXX	K1033-B	K1033-C	K1210	K1253		K105-X
5070-7	X4XXXX	K1034-B	K1034-C	K1241	K1254		K104-X
2095-1	X3XXXX	K1035-B	K1035-C	K1204	K1255		K105-X
2095-5	X3XXXX	K1036-B	K1036-C	K1204	K1255		K105-X
2095-5	X4XXXX	K1037-B	K1037-C	K1204	K1256		K106-X
2095-7	X3XXXX	K1038-B	K1038-C	K1204	K1255		K105-X
2095-7	X4XXXX	K1039-B	K1039-C	K1204	K1256		K106-X
2095-9	X3XXXX	K1976-B	K1976-C	K1204	K1255		K105-X
2095-9	X4XXXX	K1977-B	K1977-C	K1204	K1256		K106-X
2595-1	X3XXXX	K1040-B	K1040-C	K1205	K1255		K105-X
2595-1	X4XXXX	K1041-B	K1041-C	K1205	K1256		K106-X
2595-3	X3XXXX	K1042-B	K1042-C	K1205	K1255		K105-X
2595-3	X4XXXX	K1043-B	K1043-C	K1205	K1256		K106-X
3095-1	X3XXXX	K1044-B	K1044-C	K1206	K1255		K105-X
3095-1	X4XXXX	K1045-B	K1045-C	K1206	K1256		K106-X
3095-3	X3XXXX	K1046-B	K1046-C	K1206	K1255		K105-X
3095-3	X4XXXX	K1047-B	K1047-C	K1206	K1256		K106-X
3095-5	X3XXXX	K1048-B	K1048-C	K1206	K1255		K105-X
3095-5	X4XXXX	K1049-B	K1049-C	K1206	K1256		K106-X
3095-7	X3XXXX	K2245-B	K2245-C	K1206	K1255		K105-X
3095-7	X4XXXX	K2246-B	K2246-C	K1206	K1256		K106-X
4095-3	X3XXXX	K1050-B	K1050-C	K1207	K1255		K105-X
4095-3	X4XXXX	K1051-B	K1051-C	K1207	K1256		K106-X
4095-5	X3XXXX	K1052-B	K1052-C	K1207	K1255		K105-X
4095-5	X4XXXX	K1053-B	K1053-C	K1226	K1256		K127-X
4095-7	X3XXXX	K2371-B	K2371-C	K1207	K1255		K105-X
4095-7	X4XXXX	K2374-B	K2374-C	K1226	K1256		K127-X

See page 3 for key to footnotes indicated on this page.

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04/06

Supercedes 3/05



PUMP MODEL NO.	PUMP CONSTR. CODE	IMPELLER (1)(4)		WEAR KING KIT	HARDWARE KIT	SLEEVE (2)	SEAL KIT (3)
		BRONZE	IRON				
5095-5	X3XXXX	K1054-B	K1054-C	K1211	K1255		K105-X
5095-5	X4XXXX	K1055-B	K1055-C	K1211	K1256		K106-X
5095-B	XAXXXX	K1056-B	K1056-C	K1211	K1256		K127-X
5095-7	X3XXXX	K1057-B	K1057-C	K1211	K1255		K105-X
5095-7	X4XXXX	K1058-B	K1058-C	K1211	K1256		K106-X
5095-9	XAXXXX	K1059-B	K1059-C	K1211	K1256		K127-X
6095-5	X4XXXX	K1060-B	K1060-C	K1212	K1256		K106-X
6095-7	X4XXXX	K1061-B	K1061-C	K1213	K1256		K106-X
8095-1	XAXXXX	K1062-B	K1062-C	K1214	K1256		K127-X
2512-1	X3XXXX	K1064-B	K1064-C	K1205	K1258		K107-X
2512-1	X4XXXX	K1065-B	K1065-C	K1205	K1259		K108-X
2512-1	XAXXXX	K1066-B	K1066-C	K1205	K1259		K141-X
3012-1	X4XXXX	K1068-B	K1068-C	K1206	K1259		K108-X
3012-3	X3XXXX	K1069-B	K1069-C	K1206	K1258		K107-X
3012-3	XAXXXX	K1070-B	K1070-C	K1206	K1259		K141-X
4012-1	X3XXXX	K1067-B	K1067-C	K1215	K1258		K107-X
4012-1	X4XXXX	K1071-B	K1071-C	K1215	K1259		K108-X
4012-1	XAXXXX	K1072-B	K1072-C	K1215	K1259		K141-X
4012-5	X4XXXX	K1073-B (7)	K1073-C (7)	K1215	K1259		K108-X
4012-5	XAXXXX	K1074-B	K1074-C	K1215	K1259		K141-X
4012-7	X4XXXX	K2247-B	K1073-C	K1215	K1259		K108-X
4012-7	XAXXXX	K2248-B	K1074-C	K1215	K1259		K141-X
5012-5	X4XXXX	K1075-B	K1075-C	K1216	K1259		K108-X
5012-7	XAXXXX	K1077-B	K1077-C	K1216	K1259		K141-X
5012-9	XAXXXX	K2244-B	K2244-C	K1216	K1259		K141-X
6012-1	X4XXXX	K1078-B	K1078-C	K1217	K1259		K108-X
6012-3	X4XXXX	K1080-B	K1080-C	K1218	K1259		K108-X
6012-3	XAXXXX	K1081-B	K1081-C	K1218	K1259		K141-X
6012-5	XAXXXX	K1081-B	K1081-C	K1218	K1259		K141-X
8012-1	X4XXXX	K1082-B(6)	K1082-C(6)	K1220	K1259		K108-X
8012-1	X5XXXX	K1083-B(6)	K1083-C(6)	K1221	K1260		K109-X
8012-3	X4XXXX	K1084-C	K1084-C	K1220	K1259		K108-X
8012-3	XAXXXX	K1085-B	K1085-C	K1220	K1259		K141-X
8012-3	X5XXXX	K1086-B	K1086-C	K1221	K1260		K141-X
1012-3	X5XXXX	K1088-B	K1088-C	K1223	K1260		K109-X

NOTES:

- (1) Specify Impeller diameter when ordering.
- (2) See page 4 for sleeve selection chart. Not used on type VLS (PC 17) See Page 4 for VLS Shaft.
- (3) See page 5 for seal selection. Replace "X" with appropriate material code.
- (4) Model 1270-5 is obsolete. Verify trim diameter and conditions and refer to model 12707-7.
- (5) Model 1570-7 is obsolete. Verify trim diameter and conditions and refer to model 15707-9.
- (5) Model 8012-1 is obsolete. Verify trim diameter and conditions and refer to model 8012-3.
- (7) Item will carry extended delivery due to inactive construction. If possible, convert to XA construction.
(use appropriate XA impeller kit, seal kit and sleeve)

GASKETS For volute and Backplate. (For Type VLS, seal cap gasket is indicated below.)

PUMP SIZE (NOMINAL MAX. IMPELLER DIA.)	CONSTRUCTION CODE	SEAL I.D.	GASKET P/N	GASKET DESCRIPTION
7"	X0, X3, X4	5/8", 1-1/4", 1-3/4"	17032665G4	Volute O-Ring
9-1/2"	X3, X4, XA	1-1/4", 1-3/4"	11012223X006 17032665G4	Volute Gasket Backplate O-Ring
9-1/2"	X5	2-1/4"	11012223X006	Volute Gasket
12"	X3, X4	1-1/4", 1-3/4"	11001340X006 17032665G4	Volute Gasket Backplate O-Ring
12"	X5	2-1/4"	11001340X006 11010624X006	Volute Gasket Backplate Gasket

SHAFT SLEEVES (See Page 1 prior to making selection)

Note: Installation of shaft sleeve requires tube of Loctite- PACO Part #34029915.

MOTOR	CONSTR. CODE	MATERIAL	PART NUMBER
Fractional (56, 56J)	X0XXXX	—	Not Applicable
	X1XXXX	—	Not Applicable
Gyropoise (TG)	X3XXXX	BRONZE STAINLESS	05008976B 05008976H303
	83XXXX	BRONZE STAINLESS	05015284B 05015284H303
JM/CCP	X3XXXX	BRONZE STAINLESS	05017547B 05017547H303
	83XXXX	BRONZE STAINLESS	05017963B 05017963H303
	X4XXXX	BRONZE STAINLESS	05016451B 05016451H303
	84XXXX	BRONZE STAINLESS	05018127B 05018127H303
	XAXXXX	BRONZE STAINLESS	05017901B 05017901H303
JP/CCP	X3XXXX	BRONZE STAINLESS	05002020B 05002020H303
	83XXXX	BRONZE STAINLESS	05017635B 05017635H303
	X4XXXX	BRONZE STAINLESS	05002272B 05002272H303
	84XXXX	BRONZE	05018019B
	XAXXXX	BRONZE STAINLESS	05017069B 05017069H303
CCP	X5XXXX	BRONZE STAINLESS	05012502B 05012502H303

PACO TYPE VLS, SPLIT COUPLED INLINE REPLACEMENT PARTS

CONSTR CODE	MOTOR FRAME	O-RING	BUSHING	SHAFT	COUPLING	COUPLING KEY KIT(1)
X3XXXX	143/145HP	17021242G	05036040B23	K0190	23035986A	K0264
X3XXXX	182-215HP	17021242G	05036040B23	K0190	23035987A	K0265
X4XXXX	213-286HP	17021242G	05036041B23	K0191	23035987A	K0265
X4XXXX	324/326HP	17021242G	05036041B23	K0193	23035988A	K0267
XAXXXX	213-286HP	17021242G	05036041B23	K0194	23035987A	K0265
XAXXXX	324/326HP	17021242G	05036041B23	K0196	23035988A	K0267
X5XXXX	324-405HP	17021247G	05035992B23	K0195	23035988A	K0267
X5XXXX	444/445HP	17021247G	05035992B23	K0192	23035990A	K0266

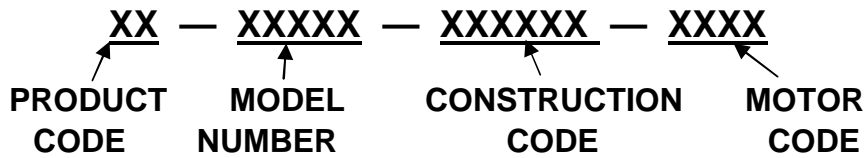
MECHANICAL SEAL KITS

Select appropriate seal kit by matching desired seal code with pump model & construction code.

AVAILABLE SEAL MATERIALS & PROPERTIES						
Seal Code->	1XXXXX	7XXXXX	6XXXXX	2XXXXX	3XXXXX	8XXXXX
Max Temp.	211°F	211°F	250°F	275°F	180°F	211°F
Max Press*.	175 PSI	175 PSI	175 PSI	175 PSI	175 PSI	350 PSI
Refer to Note #	-	-	1	1	5	3, 6
Type	21	21	21	21	Double	1B
Elastomer	Buna N	Buna N	Viton	Viton	Buna N	Buna N
Rot. Element	Carbon	Carbon	Carbon	Carbon	Carbon	Carbon
Stationary Seat	Ceramic	Ni Resist	Ni Resist	Tung Crbd	Ceramic	Ni Resist
Spring	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S
Hardware	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S	18-8 S/S	Brass

PUMP MODEL	CONSTRUCTION CODE	MECHANICAL SEAL KIT PART NUMBER					
1270 1570 2070 2570	X0XXXX	K102-1	K102-7	K102-6	K102-2	K102-3	K102-8
1270 1570 2070 2570 3070 4070 5070	X3XXXX	K105-1	K105-7	K105-6	K105-2	K105-3	K105-8
2570 3070 4070 5070	X4XXXX	K104-1	K104-7	K104-6	K104-2	K104-3	K104-8
2095 2595 3095 4095 5095	X3XXXX	K105-1	K105-7	K105-6	K105-2	K105-3	K105-8
2095 2595 3095 4095 5095 6095	X4XXXX	K106-1	K106-7	K106-6	K106-2	K106-3	K106-8
4095 5095 6095	XAXXXX	K127-1	K127-7	K127-6	K127-2	—	—
2512 3012 4012	X3XXXX	K107-1	K107-7	K107-6	K107-2	K107-3	K107-8
2512 3012 4012 5012 6012 8012	X4XXXX	K108-1	K108-7	K108-6	K108-2	—	—
2512 3012 4012 5012 6012 8012	XAXXXX	K141-1	K141-7	K141-6	K141-2	—	—
8012 1012	X5XXXX	K109-1	K109-7	K109-6	K109-2	K109-3	—

EXPLANATION OF PUMP CODING-
(REFER TO PUMP NAMEPLATE)



NOTE: This Replacement Parts Guide is valid for all PACO products beginning with product codes 16, 17 and 127 only.

Product Code 16= Close coupled Vertical Inline Centrifugal, type VL

Product Code 17= Split coupled Vertical Inline Centrifugal, type VLS

Product Code 127= Frame Mounted, Flex Coupled Vertical Inline Centrifugal, Type VLF

KIT COMPONENTS

- IMPELLER KIT:**
- Impeller
 - Volute Gasket
 - Backplate Gasket
 - Impeller Cap Screw
 - Impeller Washer
 - Impeller Key
 - Impeller Nut
 - Loctite

- SEAL KIT:**
- Mechanical Seal
 - Volute Gasket
 - Backplate Gasket
 - Seal Cap Gasket (*except type VLS*)
 - Impeller Cap Screw
 - Impeller Washer
 - Impeller Key
 - Impeller Nut
 - Loctite

- WEAR RING KIT:**
- Wear Rings, Bronze

- BEARING FRAME PARTS** (*Type VLF*)
- See Publication A1b.2

- HARDWARE KIT:**
- Cap Screws

- TYPE VLS** (*Non-kitted parts*)
- Seal Cap O-rings
 - Bushings
 - Couplings
 - Key Sets for Couplings

- GASKETS:** (*non-kitted*)
- Individual

- SHAFT KIT:** (*Type VLS*)
- Shaft
 - Bushing
 - Seal Cap Gasket

- SLEEVES:** (*Not used on Type VLS*)
- (Non-Kitted)**
- Bronze
 - Stainless Steel

NOTES:

Kits may not contain all parts listed. They are individually selected for each pump, according to the pump construction and design.

Kits contain gaskets wherever gasket replacement is indicated, as noted above. Should "individual" gaskets be required. See Page 3.

Seal Kits are always recommended as spare parts.

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