PENTAIR

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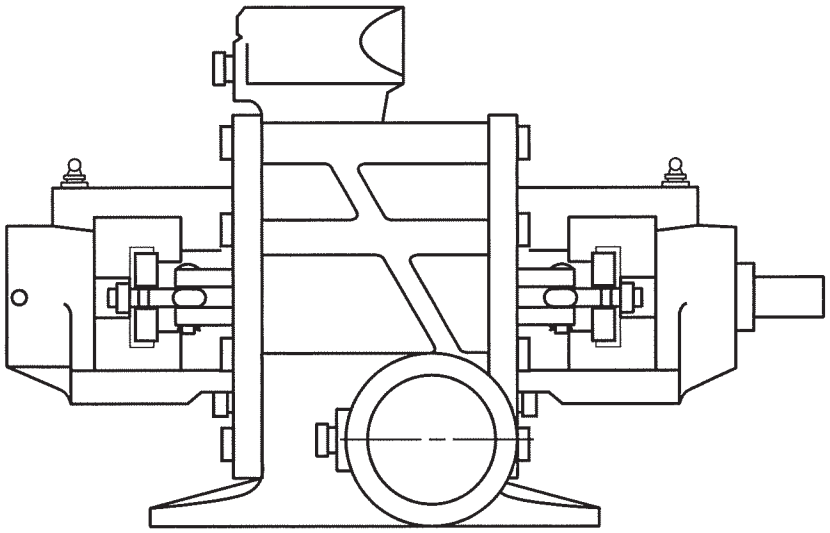


120B SERIES

MODELS: 121B SINGLE-STAGE, 122B TWO-STAGE

PUMP SIZES: EX4 through IX4, EX4T through IX4T

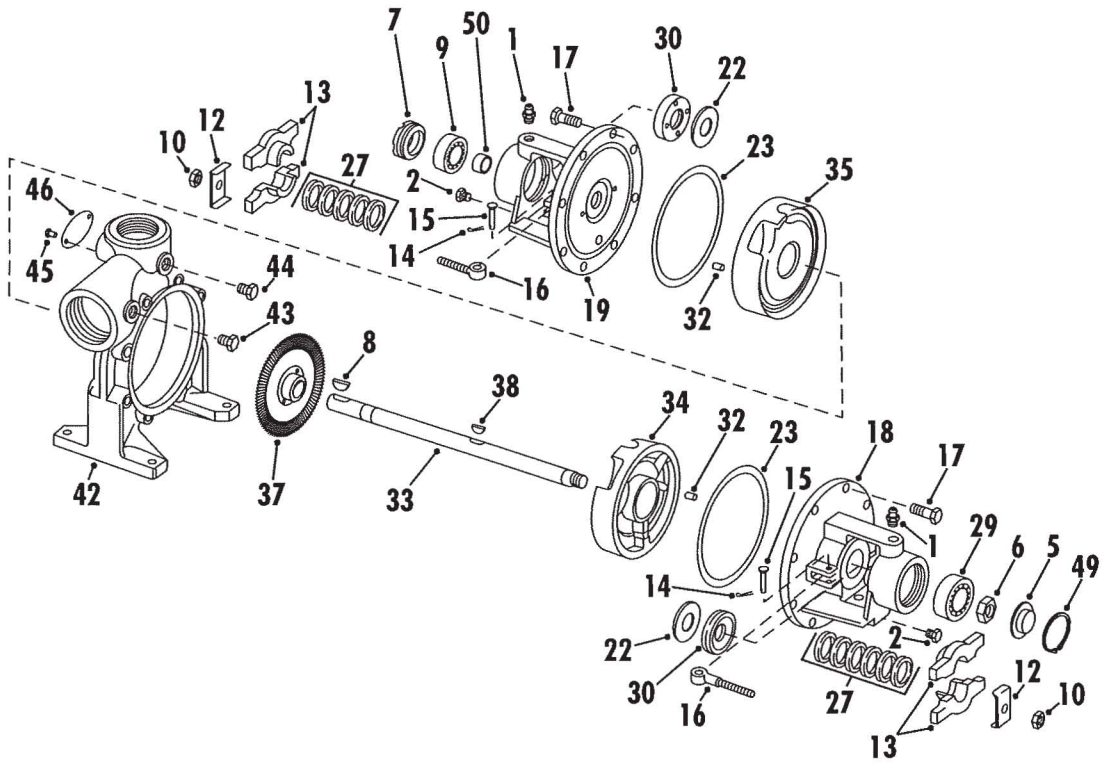
REGENERATIVE TURBINE PUMPS

REPAIR PARTS INDEX

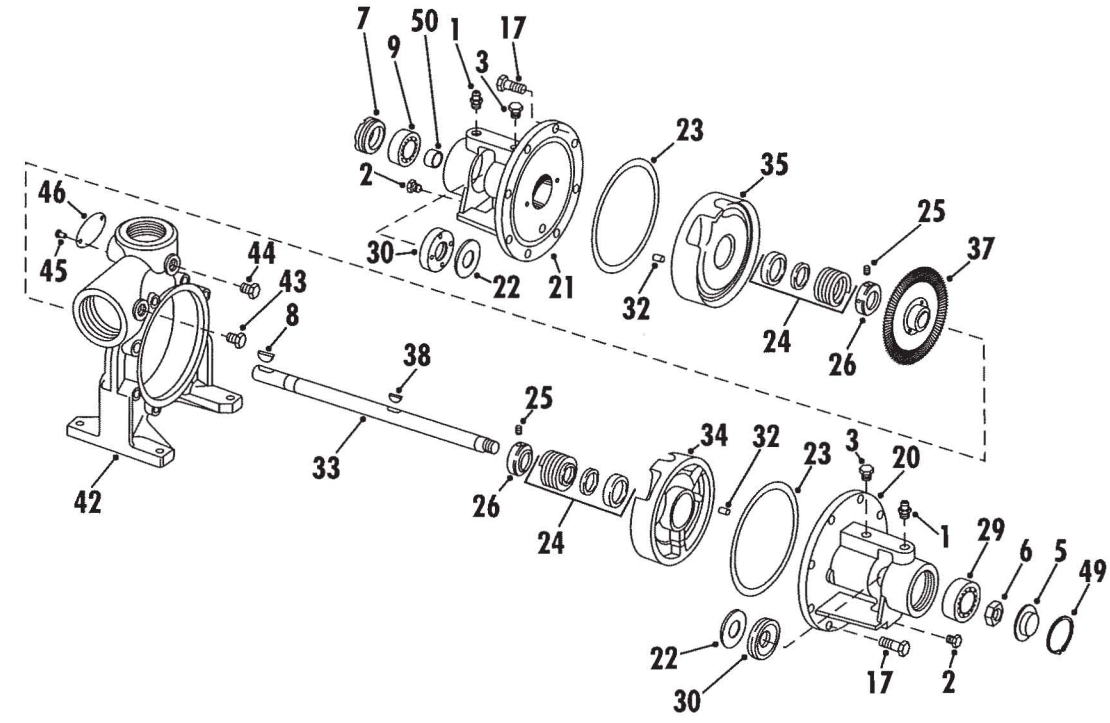
NOTE! Read and understand the pump and motor instructions before attempting to install, disassemble or repair the pump.

Part # A-03-207 | © 2013 Pentair Ltd. | 02/20/13

MODEL 121B
PIECE NUMBERS

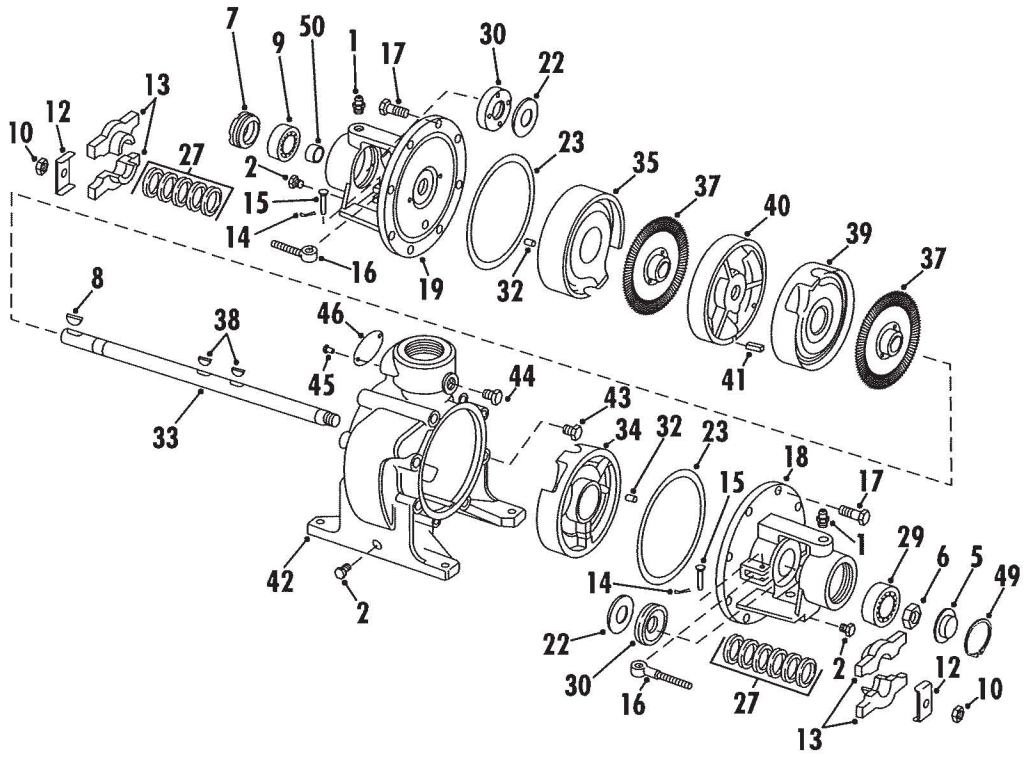


MODEL 121B - SINGLE STAGE WITH PACKING

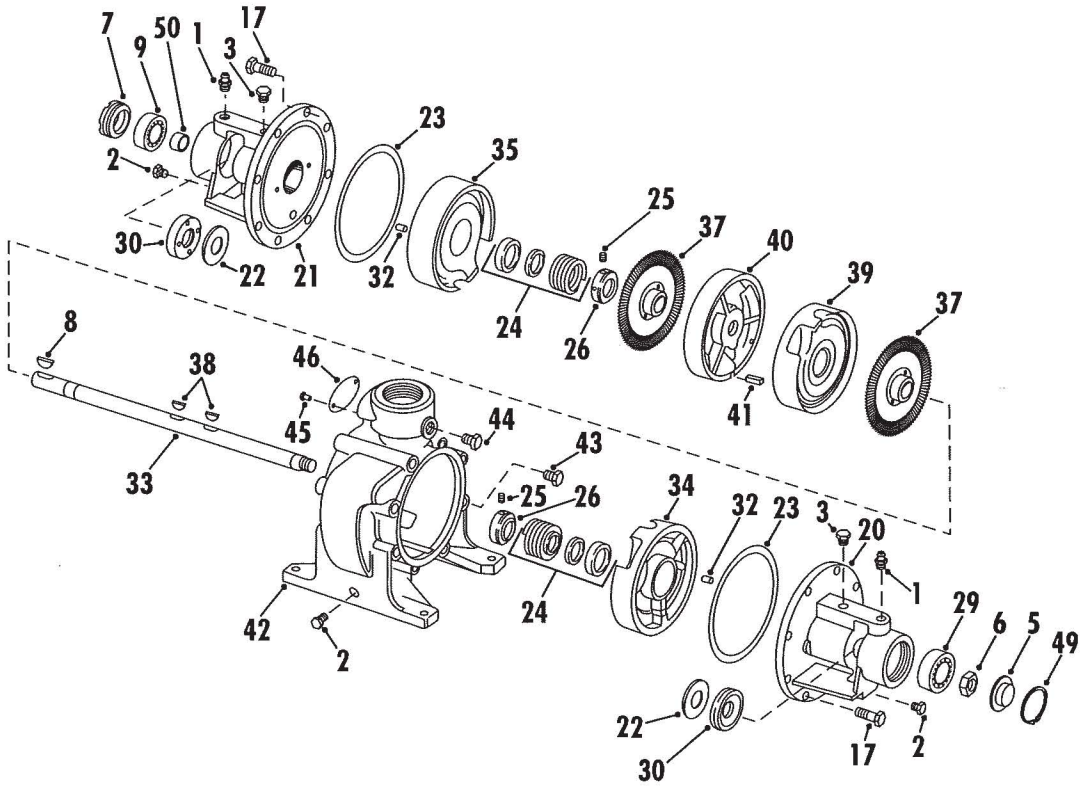


MODEL 121B - SINGLE STAGE WITH SEALS

MODEL 122B
PIECE NUMBERS



MODEL 122B - TWO STAGE WITH PACKING



MODEL 122B - TWO STAGE WITH SEALS

120B SERIES
MODELS 121B - 122B
EX4 thru IX4 & EX4T thru IX4T

PARTS LIST

PC. NO.	DESCRIPTION	QTY	PART NO.	MATERIAL B.F.		MATERIAL A.I.	
1	GREASE FITTING	2	508-0001	651		651	
2	PIPE PLUG						
	EX4 thru IX4	1	600-0001	087		087	
	EX4 thru IX4T	2	600-0001	087		087	
5	OUTBOARD RET.	1	672-0056	500		500	
6	JAM NUT	1	544-0316	080		080	
7	INBOARD RET.	1	672-0049	500		500	
8	KEY	1	972-0006	087		087	
9	BEARING	1	068-1905	647		647	
10	NUT (SEE 16A)	4	544-0105	-		080	
12	GLAND CLAMP						
	(SEE 16A)	4	204-0120	-		360	
13	GLAND	2	372-0194	010		010	
14	COTTER PIN	4	592-0405	087		087	
15	CLEVIS PIN	4	592-0452	360		360	
16	SWING BOLT						
	(SEE 16A)	4	100-2015	-		360	
16A	SWING BOLT ASSY						
	(SEE 10, 12, 16)	1	099-0004	644		-	
17	CAPSCREW	16	168-0380	082		082	
18	COVER, PACKING	1	260-5127	010		010	
19	COVER, PACKING	1	260-5127	010		010	
20	COVER, SEAL	1	260-5126	010		010	
21	COVER, SEAL	1	260-5126	010		010	
22	SLINGER	2	764-1002	478		478	
23	GASKET	2	364-1198	478		478	
24	SEAL	2	712-0707	753		764	
25	SET SCREW	4	724-0077	104		104	
26	COLLAR	2	224-0082	208		087	
27	PACKING	10	564-0029	802		802	
29	BEARING	1	068-0154	647		647	
30	BORE RETAINER	2	672-0050	500		500	
32	PIN	2	592-0632	104		104	
33	SHAFT						
	EX4 thru IX4 *	1	728-7273	629		629	
	EX4T thru IX4T*	1	728-7274	629		629	
34	CHANNEL RING (RIGHT HAND)						
	EX4 & EX4T	1	676-2016	010		010	
	FX4 & FX4TT	1	676-2018	010		010	
	GX4 & GX4T	1	676-2020	010		010	
	HX4 & HX4T	1	676-2022	010		010	
	IX4 & IX4T	1	676-2024	010		010	

PC. NO.	DESCRIPTION	QTY	PART NO.	MATERIAL B.F.		MATERIAL A.I.	
35	CHANNEL RING (LEFT HAND)						
	EX4 & EX4T	1	676-2015	010		010	
	FX4 & FX4T	1	676-2017	010		010	
	GX4 & GX4T	1	676-2019	010		010	
	HX4 & HX4T	1	676-2021	010		010	
	IX4 & IX4T	1	676-2023	010		010	
36	IMPELLER						
	EX4 & EX4T	*	444-2676	199		053	
	FX4 & FX4T	*	444-2677	199		053	
	GX4 & GX4T	*	444-2678	199		053	
	HX4 & HX4T	*	444-2679	199		053	
	IX4 & IX4T	*	444-2680	199		053	
	* EX4 thru IX4 ONE REQUIRED (SINGLE STAGE)						
	* EX4T thru IX4T TWO REQUIRED (TWO STAGE)						
38	KEY	*	472-0108	100		100	
39	SPACER (LEFT)						
	EX4T	1	772-0240	010		010	
	FX4T	1	772-0242	010		010	
	GX4T	1	772-0244	010		010	
	HX4T	1	772-0246	010		010	
	IX4T	1	772-0248	010		010	
40	SPACER (RIGHT)						
	EX4T	1	772-0241	010		010	
	FX4T	1	772-0243	010		010	
	GX4T	1	772-0245	010		010	
	HX4T	1	772-0247	010		010	
	IX4T	1	772-0249	010		010	
41	SPACER KEY	1	472-1013	104		104	
42	CASING						
	EX4 thru IX4	1	180-2294	010		010	
	EX4T thru IX4T	1	180-2295	010		010	
44	PIPE PLUG	2	600-0002	087		087	
45	DRIVE SCREW	2	708-0013	365		365	
46	NAMEPLATE	1	532-0014	324		324	
49	INT. RET. RING	1	676-2093	088		088	
50	TOLERANCE RING	1	676-2106	114		114	

* INCLUDES SHAFT AND TOLERANCE RING PC. NO. 50

120B SERIES
MODELS 121B - 122B
EX4 thru IX4 & EX4T thru IX4T

PARTS LIST

PC. NO.	DESCRIPTION	QTY	PART NO.	MATERIAL B.F.		A.I.	
	REPAIR PARTS KIT THE FOLLOWING KITS INCLUDE PIECE NUMBERS 6, 8, 9, 22, 23, 29, 32, 33, 34, 35, 37, 38, 39, 40, 41, 47, 48, 49 PACKED PUMP KITS ALSO INCLUDE PIECE NUMBERS 13, 14, 15, 16A, 27 MECHANICAL SEAL KITS ALSO INCLUDE PIECE NUMBERS 24, 25, 26						
	KITS WITH PACKING						
	EX4		476-0662	644			
	FX4		476-0663	644			
	GX4		476-0664	644			
	HX4		476-0665	644			
	IX4		476-0666	644			
	EX4T		476-0667	644			
	FX4T		476-0668	644			
	GX4T		476-0669	644			
	HX4T		476-0670	644			
	IX4T		476-0671	644			
	KITS WITH MECHANICAL SEALS						
	EX4S		476-0672	644			
	FX4S		476-0673	644			
	GX4S		476-0674	644			
	HX4S		476-0675	644			
	IX4S		476-0676	644			
	EX4TS		476-0677	644			
	FX4TS		476-0678	644			
	GX4TS		476-0679	644			
	HX4TS		476-0680	644			
	IX4TS		476-0681	644			

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WARRANTY

Seller warrants equipment (and its component parts) of its own manufacture against defects in materials and workmanship under normal use and service for one (1) year from the date of installation or start-up, or for eighteen (18) months after the date of shipment , whichever occurs first. Seller does not warrant accessories or components that are not manufactured by Seller; however, to the extent possible, Seller agrees to assign to Buyer its rights under the original manufacturer's warranty, without recourse to Seller. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the serial number, the type of equipment, and the date of purchase) within thirty (30) days of the discovery of such defect during the warranty period. No claim made more than 30 days after the expiration of the warranty period shall be valid. Guarantees of performance and warranties are based on the use of original equipment manufactured (OEM) replacement parts. Seller assumes no responsibility or liability if alterations, non-authorized design modifications and/or non-OEM replacement parts are incorporated If requested by Seller, any equipment (or its component parts) must be promptly returned to Seller prior to any attempted repair, or sent to an authorized service station designated by Seller, and Buyer shall prepay all shipping expenses. Seller shall not be liable for any loss or damage to goods in transit, nor will any warranty claim be valid unless the returned goods are received intact and undamaged as a result of shipment. Repaired or replaced material returned to customer will be shipped F.O.B., Seller's factory. Seller will not give Buyer credit for parts or equipment returned to Seller, and will not accept delivery of any such parts or equipment, unless Buyer has obtained Seller's approval in writing. The warranty extends to repaired or replaced parts of Seller's manufacture for ninety (90) days or for the remainder of the original warranty period applicable to the equipment or parts being repaired or replaced, whichever is greater. This warranty applies to the repaired or replaced part and is not extended to the product or any other component of the product being repaired. Repair parts of its own manufacture sold after the original warranty period are warranted for a period of one (1) year from shipment against defects in materials and workmanship under normal use and service. This warranty applies to the replacement part only and is not extended to the product or any other component of the product being repaired. Seller may substitute new equipment or improve part(s) of any equipment judged defective without further liability. All repairs or services performed by Seller, which are not covered by this warranty, will be charged in accordance with Seller's standard prices then in effect.

THIS WARRANTY IS THE SOLE WARRANTY OF SELLER AND SELLER HEREBY EXPRESSLY DISCLAIMS AND BUYER WAIVES ALL OTHER WARRANTIES EXPRESSED, IMPLIED IN LAW OR IMPLIED IN FACT, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Seller's sole obligation under this warranty shall be, at its option, to repair or replace any equipment (or its component parts) which has a defect covered by this warranty, or to refund the purchase price of such equipment or part. Under the terms of this warranty, Seller shall not be liable for (a) consequential, collateral, special or liquidated losses or damages; (b) equipment conditions caused by normal wear and tear, abnormal conditions of use, accident, neglect, or misuse of said equipment; (c) the expense of, and loss or damage caused by, repairs or alterations made by anyone other than the Seller; (d) damage caused by abrasive materials, chemicals, scale deposits, corrosion, lightning, improper voltage, mishandling, or other similar conditions; (e) any loss, damage, or expense relating to or resulting from installation, removal or reinstallation of equipment; (f) any labor costs or charges incurred in repairing or replacing defective equipment or parts, including the cost of reinstalling parts that are repaired or replaced by Seller; (g) any expense of shipment of equipment or repaired or replacement parts; or (h) any other loss, damage or expense of any nature.

The above warranty shall not apply to any equipment which may be separately covered by any alternate or special warranties.

PERFORMANCE: In the absence of Certified Pump Performance Tests, equipment performance is not warranted or guaranteed. Performance curves and other information submitted to Buyer are approximate and no warranty or guarantee shall be deemed to arise as a result of such submittal. All testing shall be done in accordance with Seller's standard policy under Hydraulic Institute procedures.

LIABILITY LIMITATIONS: Under no circumstances shall the Seller have any liability under the Order or otherwise for liquidated damages or for collateral, consequential or special damages or for loss of profits, or for actual losses or for loss of production or progress of construction, regardless of the cause of such damages or losses. In any event, Seller's aggregate total liability under the Order or otherwise shall not exceed the contract price.

ACTS OF GOD: Seller shall in no event be liable for delays in delivery of the equipment or other failures to perform caused by fires, acts of God, strikes, labor difficulties, acts of governmental or military authorities, delays in transportation or procuring materials, or causes of any kind beyond Seller's control.

COMPLIANCE WITH LAW: Seller agrees to comply with all United States laws and regulations applicable to the manufacturing of the subject equipment. Such compliance shall include: The Fair Labor Standards Acts of 1938, as amended; Equal Employment Opportunity clauses of Executive Order 11246, as amended; Occupational Safety and Health Act of 1970 and the standards promulgated thereunder, if applicable. Since compliance with the various Federal, State, and Local laws and regulations concerning occupational health and safety, pollution or local codes are affected by the use, installation and operation of the equipment and other matters over which Seller has no control, Seller assumes no responsibility for compliance with those laws and regulations, whether by way of indemnity, warranty, or otherwise. It is incumbent upon the Buyer to specify equipment which complies with local codes and ordinances.

PENTAIR

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