

OPERATION & SPARES MANUAL



Aussie GMP Engine Drive Revision: #0 (May 10)

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AUSSIE GMP ... HEAVY DUTY PUMPS THAT WORK

Aussie GMP engine drive pumps are available in the following configurations:

- Cast iron body, cast iron impeller..... standard pump and semi trash configurations.
- Zinc free bronze body, zinc free bronze impeller, 316 stainless steel fitted fasteners and plugs, stainless steel mechanical seal, 316 stainless steel shaft standard transfer design.
- Cast 316 grade stainless steel wetted parts including body, impeller and suction cover, 316 grade stainless steel drive shaft.....standard and semi trash design.
- All versions feature stainless steel shafts.

Please note **semi trash** design includes:

- Silicon carbide mechanical seal for abrasive liquids.
- Easy clean out front mounted ports (located below suction port) for ease of service.
- Stainless steel wear plate.

High and low pressure pumps

Aussie GMP engine drive pumps are available in a wide range of configurations. These include:

- Open impeller design, high flow, medium head .
- Open impeller high head, medium flow .
- Closed impeller, high pressure .

Pumps are designed for high speed application, rated for operation up to 3600 rpm.

Optional Seals

A wide range of optional seals are available for Aussie GMP pumps to suit specific applications. These options include the following:

- Standard ceramic seal and Counterface.
- Ceramic seal stainless steel fitted.
- Viton seal kit.
- Silicon carbide seal kit.
- Tungsten carbide seal kit.

N.B. Combine Viton and tungsten carbide or silicon carbide for abrasive and corrosive liquids are also available on special request.

CONGRATULATIONS ON THE PURCHASE OF YOUR
AUSSIE GMP SELF PRIMING ENGINE DRIVE PUMP

PREPARATION FOR OPERATION

INSPECTION

Inspect unit for shipping damage immediately on receipt. If any visible damage exists note damage on shipping docket before signing. Notify your Distributor immediately of any damage to the shipment.

BASIC SUITABILITY CHECKS

Read these instructions carefully and satisfy yourself that you are comfortable with the operation and set up of the machine. Please note the following:

- Aussie GMP cast iron standard configuration pumps are suitable for pumping clean water and fluids that are chemically and mechanically non aggressive. (N.B some pumps can be expressly configured for corrosive applications. Check published data.)
- Fluids should be free of explosive substances with a maximum temperature of 70°C.
- Please use in a well ventilated place, providing protection from unfavourable weather conditions and with environmental temperatures not exceeding 40°C.
- Note pump is mounted in a full roll frame. For safety reasons please install the pump in a horizontal level position.

Note maximum suction depth for GMP pumps is 6 metres.

PIPEWORK RECOMMENDATIONS

Pipes must be fastened and anchored to their supports and connected in such a way that they do not transmit force, stress or vibration to the pump. The internal diameter of the pipe depends not only on their length but also on the flow rate to be produced. In no case must the pipe diameter be smaller than the diameter of the pump inlet or outlet.

Before installation check that all pipes are clean on the inside.

SUCTION HOSE OR PIPEWORK

Keep suction as short as possible with absolute minimum numbers of bends or connections.

Check for air leaks. Air leaks will prevent the pump priming correctly and substantially reduce pump performance. Suction hose or pipe work must slope upwards towards the pump so as to prevent formation of air pockets that could prevent priming or cause the pump to lose its prime. N.B. ingress of air to pump chamber will cause loss of prime and cavitation. This can lead to major pump failure.

Foot valves are not necessary with self priming pumps. We recommend the use of a good quality suction strainer to protect the pump from ingress of solids.

SUBMERGENCE

For best result ensure suction hose is immersed in water at least 3 times the depth of the diameter of the hose. **For operating below normal head fit a gate valve.**

DELIVERY PIPE

It is recommended to fit a check valve and regulating valve. The former i.e. the check valve should be mounted upstream from the regulating valve thus protecting the pump from water hammer and preventing the inverse flow through the impeller in the event of a sudden stopping of the pump. The regulating valve is used to regulate the flow rate/head and absorb power. Fit a pressure gauge on the delivery pipe.

SETTING UP YOUR PUMP

STARTING THE PUMP

1. Check oil and fuel level in engine. Refer to engine manual.
2. Fill pump with water via the priming plug on top of the pump, making sure that air is not trapped in the pump or pipe work.
3. Open gate valve on delivery line if fitted.
4. Start engine (refer to engine manual).
5. Priming time varies up to 6 minutes according the suction height and speed of the pump.



Never attempt to operate pump without priming first. Extended dry operation will destroy pump seal. If unit has been operated dry, stop the engine immediately, allow the pump to cool before adding priming water.

Warning: Never run the pump dry

MAINTENANCE

1. Drain pump if it is not going to be used for any period of time, especially if there is a chance of the pump being exposed to freezing temperatures.
2. Check filter regularly to ensure it does not become blocked.
3. Check pump and pipe work for leaks regularly and fix any leaks immediately.
4. Refer to troubleshooting guide for further assistance if required.
5. Refer to engine manual for maintenance schedule for engine.

MECHANICAL SEAL & COUNTERFACE OPTIONS

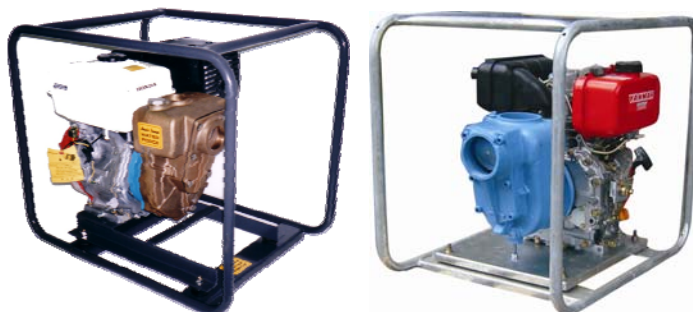
Check size of seal or counterface required on spare parts breakdown and refer to the tables below for options available.

MECHANICAL SEAL						
Carbon Graphite/ NBR	Carbon Graphite/ NBR/ AISI 316	Carbon Graphite/ Viton	Silicon Carbide/ NBR	Silicon Carbide/ Viton	Tungsten	Size
6332		5110	8429	8049	6333	15.32.13
6334	H395	7710	6781	F660	6336	16.32.13
6337	H396	5264	9075	F632	6338	19.39.13
6339	H397	5217	8404	F634	6340	25.47.14
6341	H398	5265	F976	L260	6342	32.54.15

COUNTERFACES				
Silicon Carbide/ NBR (OR VITON)	Allumina/Viton	Allumina/ NBR	Tungsten/NBR	Size
	7709	6346	5218	17.5.36.5,9.5
	9812	7702	F661	17.5.36.8
		6344		17-38-8
	5111	6344	5108	18.38.8
H826/NBR	F633	6349	6350	21.42.8
		8436		26.57.7
H614/VITON	6588	6353	5214	27.50.10
	5209	6359	5463	27.52.10
		6355		33-57-10
H828/NBR	5266		5447	34-57-10

SPECIFICATIONS

Engine drive transfer pumps



Model	Petrol Engine	HP	Diesel Option	HP	Suct/Del	Total Head (m)	Capacity (l/m)	CAT number	
G2TMK-A	Honda GX200E	6.5	Yanmar L48	4.8	2" x 2"	50	450	AA2E	Cast iron
G2TMK-A/B	Honda GX270	9	Yanmar L100	10	2" x 2"	46	450	AA1C	Zinc free bronze
G3TMK-A	Honda GX390	13	Hatz	13	3" x 3"	46	880	AAIE	Cast iron
B3ZPM-A	Honda GX620	23	Hatz	20	3" x 2"	80	750	AAZ4	Cast iron
B2KQ-A/B	Honda GX160	5.5	Yanmar L48	4.8	2" x 2"	31	510	AA3B	Zinc free bronze
B3KQ-A/B	Honda GX270	9	Yanmar L70	7	3" x 3"	24	1050	AA4B	Zinc free bronze
B4KQ-A/B	n/a		Yanmar L100	10	4" x 4"	21	1500	-	Zinc free bronze
B3XR-A/SS	Honda GX390	13	Yanmar L100	10	3" x 3"	40	1350	AA2C	Stainless steel
B4XR-A/SS	n/a		Hatz	18	4" x 4"	28	2450	-	Stainless steel

Engine drive semi trash pumps



Model	Engine	HP	Suct/Del	Total Head (m)	Capacity (l/m)	Solid size (mm)	CAT number	
B2KQ-A/ST	Honda GX200	6.5	2" x 2"	26	570	19	AA2B	Stainless steel
B2KQ-A/ST	Yanmar diesel L48 recoil & electric start	4.8	2" x 2"	26	570	19	AA2B	Stainless steel
B3XR-A/ST	Honda GX390E	13	3" x 3"	40	1350	20	AA9R (AA6A)	Cast iron
B4KQ-A/ST	Honda GX 390E	13	4" x 4"	21	1500	35	AAR9	Cast iron
B4KQ-A/ST	Yanmar diesel L100E	10	4" x 4"	21	1500	35	AAR9	Cast iron

For full list of spares and exploded view see customer service page on Aussie website.
(www.aussiepumps.com.au)

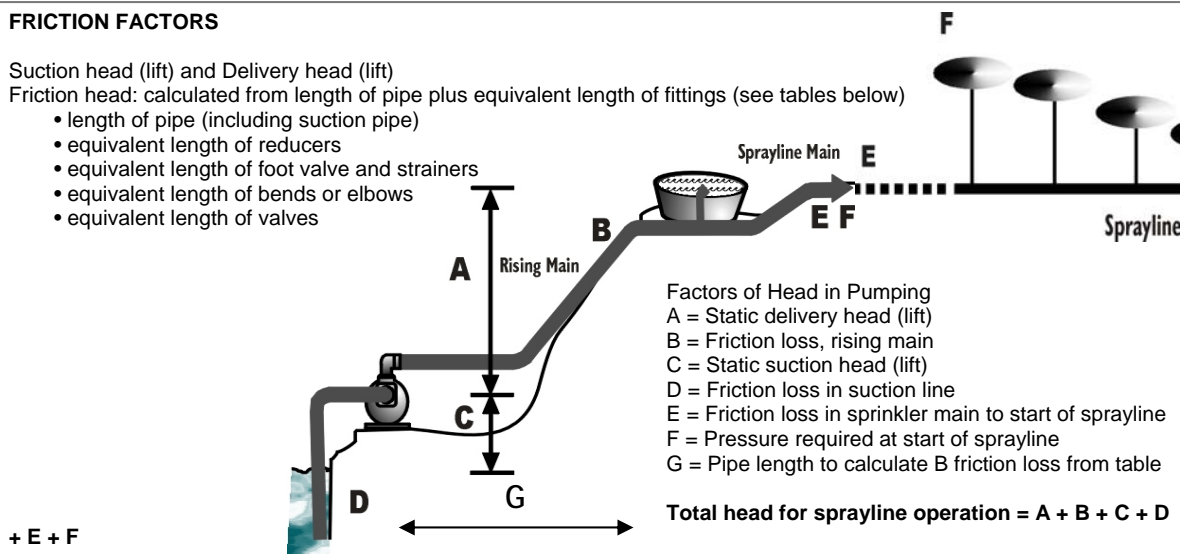
PUMP SELECTION GUIDE

FRICTION FACTORS

Suction head (lift) and Delivery head (lift)

Friction head: calculated from length of pipe plus equivalent length of fittings (see tables below)

- length of pipe (including suction pipe)
- equivalent length of reducers
- equivalent length of foot valve and strainers
- equivalent length of bends or elbows
- equivalent length of valves



SELF PRIMING PUMPS: Aussie Quik-Prime pumps are of a self priming centrifugal design. They have excellent priming characteristics and don't need foot valves in order to prime. Almost all pumps in the range prime to in excess of 7 metres, some to 8 metres. Self priming means that the operator does not have to fill the entire suction line before start up. All that is required is to fill the pump casing with water, start the pump and ejection of the water in the pump creates a vacuum which, working in conjunction with atmospheric pressure, causes water to be drawn up the suction line.

SUCTION LINE: Please note the entire suction line must be air tight. Suction lift is accomplished by developing a negative pressure at the pump intake. Thus atmospheric pressure applies the positive lifting force. Avoid sharp bends in the suction line and ensure that no part of the pipe is above pump level. Always reduce suction lift to the minimum. Suction lines must be large enough to minimise friction loss.

DIESEL DRIVE: Diesel engines have more torque but run slower than petrol engines. Diesel pumps shown are rated at 3600rpm. For continuous service run at 3000rpm.

Friction Loss Data:

Pipe frictions for Class 9 uPVC pipe AS12477 (metre head/100m length of pipe)

FLOW L/MIN	NOMINAL PIPE SIZE 25	PIPE SIZE 32	40	50	65	80	100	125
2.5	0.03							
5	0.09	0.03	0.014					
10	0.31	0.12	0.055	0.019				
20	1.1	0.42	0.19	0.07	0.244			
25	1.7	0.63	0.3	0.11	0.035	0.18		
30	2.4	0.89	0.14	0.15	0.05	0.024		
40	3.8	1.4	0.63	0.23	0.078	0.038		
50	5.9	2.1	0.97	0.37	0.12	0.059	0.016	
60	8.3	3	1.4	0.5	0.16	0.079	0.022	
75	12.0	4.5	2.1	0.73	0.25	0.12	0.033	0.015
100	20.0	7.4	3.4	1.2	0.41	0.2	0.053	0.024
125	29.0	11.0	5.2	1.8	0.59	0.3	0.083	0.037
150	42.0	15.0	7.1	2.6	0.85	0.41	0.11	0.048
175	57.0	21.0	9.5	3.5	1.1	0.54	0.15	0.067
200	72.0	27.0	12.0	4.5	1.5	0.7	0.2	0.085
225	81.0	24.0	15.0	5.5	1.7	0.86	0.25	0.1
250	104.0	41.0	18.0	6.6	2.0	1.0	0.3	0.12
275		48.0	21.0	7.7	2.5	1.2	0.34	0.15
300		56.0	25.0	8.9	3.1	1.4	0.4	0.18
325		66.0	29.0	10.0	3.5	1.6	0.46	0.2
350		77.0	33.0	12.0	4.0	1.8	0.53	0.23
375		84.0	37.0	13.0	4.5	2.1	0.6	0.26
400		91.0	42.0	15.0	5.1	2.4	0.68	0.29
425		100.0	48.0	17.0	5.7	2.7	0.75	0.33
450		110.0	53.0	19.0	6.4	3.1	0.82	0.36
475		118.0	58.0	20.0	6.8	3.3	0.9	0.39
500			63.0	22.0	7.3	3.5	0.98	0.42
550			73.0	26.0	8.8	4.2	1.2	0.49
600			84.0	31.0	10.0	4.8	1.4	0.56
650			95.0	35.0	11.0	5.5	1.6	0.65
700			109.0	41.0	13.0	6.4	1.8	0.75
750				47.0	15.0	7.3	2.0	0.87
800				52.0	17.0	8.3	2.4	0.94
850				57.0	19.0	9.1	2.6	1.0
900				61.0	21.0	10.0	2.8	1.1
950				66.0	23.0	11.0	3.2	1.3
1000				74.0	25.0	12.0	3.5	1.4

Friction Loss due to Pipe Fittings

Establish the number of fittings and their equivalent pipe lengths. Add this to pipe length. From correct table above determine friction loss.

Size (mm)	Foot/check valve	Reducer (2/1)	90° Elbow	90° Bend	Gate valve	Standard Tee
20	9	0.23	0.5	0.4	0.13	1.4
25	10	0.28	0.8	0.5	0.17	1.8
32	12	0.36	1	0.6	0.22	2.2
40	15	0.46	1.3	0.8	0.28	2.8
50	20	0.57	1.6	1	0.35	3.5
80	31	0.8	2.5	1.6	0.56	5.5
100	40	1.2	3.3	2	0.7	7

TROUBLESHOOTING GUIDE

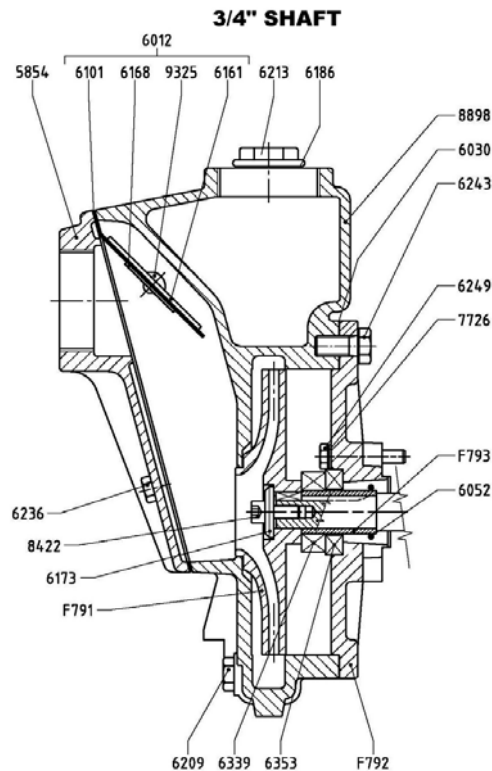
Symptoms	Cause	Action
Failure to pump	Suction air leak	Check and correct hose and couplings
	Pump not properly primed	Prime pump correctly
	Speed too low or head too high	Consult pump specialist
	Not enough head to open check valve	Consult pump specialist
	Air leak	Check and rework suction line
	Blocked suction	Unblock suction
	Excessive suction lift	Consult pump specialist
Reduced performance	Air pockets or small air leaks in suction line	Locate and correct
	Obstruction in suction line or impeller	Remove obstruction
	Insufficient submergence of the suction pipe	Consult pump specialist
	Excessively worn impeller or wear ring	Replace impeller and/or wear ring
	Excessive suction lift	Consult pump specialist
	Wrong direction of rotation	See start-up instructions
Engine or motor over-loaded	Speed higher than planned	Reduce speed
	Liquid specific gravity too high	Consult pump specialist
	Liquid handled of greater viscosity than water	Consult pump specialist
	Too large an impeller diameter	Trim impeller
	Low voltage	Consult power supplier
	Stress in pipe connection to pump	Support piping properly
	Packing too tight	Loosen packing gland nuts
Excessive noise	Misalignment	Align all rotating parts
	Excessive suction lift	Consult pump specialist
	Material lodged in impeller	Dislodge obstruction
	Worn bearings	Replace bearings
	Impeller screw loose or broken	Replace
	Cavitation (improper suction design)	Correct suction piping
	Wrong direction of rotation	See start-up instructions
Premature bearing failure	Balance line plugged or pinched	Unplug or replace
	Worn wear rings	Replace
	Misalignment	Align all rotating parts
	Suction or discharge pipe not properly supported	Correct supports
	Bent shaft	Replace shaft
	Water or contaminants entering bearings	Protect pump from environment
	Lubrication to bearings not adequate	Check manual
	Wrong type of lubrication	Check manual
Rapid wear on coupling cushion	Misalignment	Align
	Bent shaft	Replace shaft

Refer to engine manual for troubleshooting of engine issues.

Exploded views and parts lists for all pumps are available to download from the Aussie Pumps website customer service page. (www.aussiepumps.com.au)

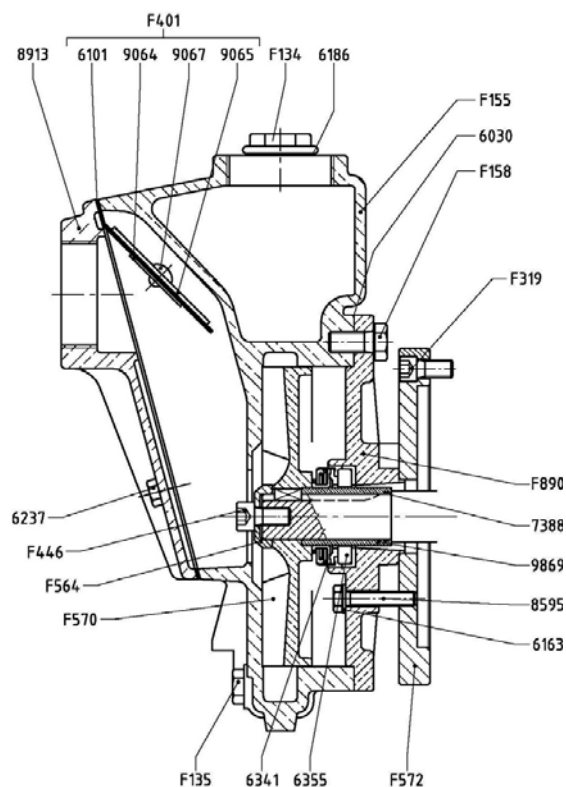
PARTS BREAKDOWN

G2TMK-A (CAT AA2E) Cast iron transfer pump



Position	Qty	Description
5854	1	Valve Body B2KQ-A
6030	1	Flex. Gasket B 2587
6052	1	OR 133 (24.99x3.53)
6101	1	Check Valve 2616/2
6161	1	Washer D.7x75x2.5
6168	1	Washer B 2621/2
6173	1	Washer 10x30x6
6186	1	Flex. Washer 33x39x2
6209	1	Conical Tap 1/4" Gas
6213	1	Conical Tap 1" Gas
6236	6	Hex. Head Screw M10x20
6243	4	T.E. Screw M 12x25
6249	4	Hex. Head Screw B 1027
6339	1	Mech. Seal 25-47-14
6353	1	Counterface 27-50-10
7726	4	Copper Washer
8422	1	Screw OEB 5/10" L=20
8898	1	Pump Body G2TMK-A
9325	1	Rivet 6x12
F791	1	Impeller
F792	1	Bracket G2TMK-A
F793	1	Sleeve In Brass

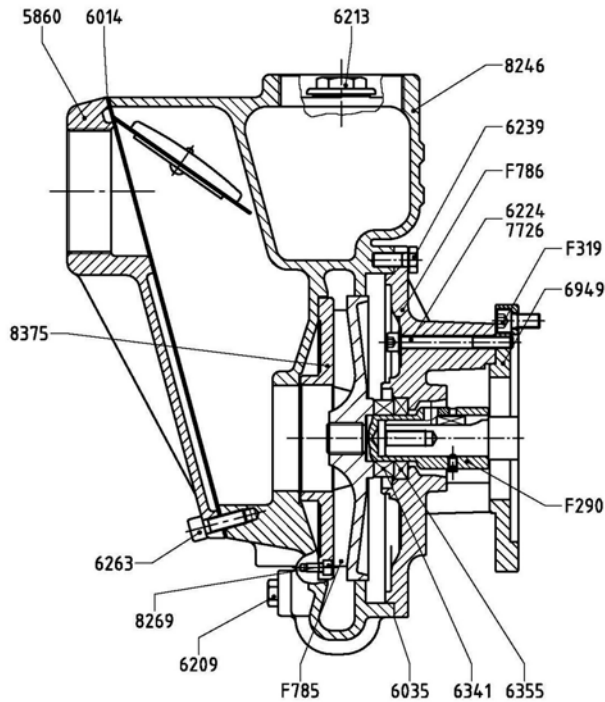
G2TMK-A/B (CAT AA1C) Bronze transfer pump



Position	Qty	Description
5442	1	S/Steel OEB Screw M6x15
6030	1	Flex. Gasket B 2587
6101	1	Check Valve 2616/2
6163	4	Washer 8x12x1.5
6186	1	Flex. Washer 33x39x2
6237	6	Hex. Head Screw M10x20
6341	1	Mech. Seal 32-54-15
6355	1	Counterface 33-57-10
8595	4	Screw T.E. M8x40 S/Steel
8913	1	Valve Body B2KQ-A
9064	1	Counterweight Washer
9065	1	Counterweight
9869	1	Sleeve D.32x25.4x50
F135	1	Conical Tap 1/4" Gas
F155	1	Pump Casing
F158	4	Stainless Steel Screw M12x25
F319	4	OEB Screw 3/8 -16 UNC "
F446	1	Screw OEB 3/8 -24 UNF "
F555	1	Tap AISI 316 1"G
F564	1	Brass Washer
F570	1	Impeller G2TMK-A/B
F572	1	Flange G2TMK-A/B
F739	1	Steel Nut M6x1
F890	1	Bronze Support

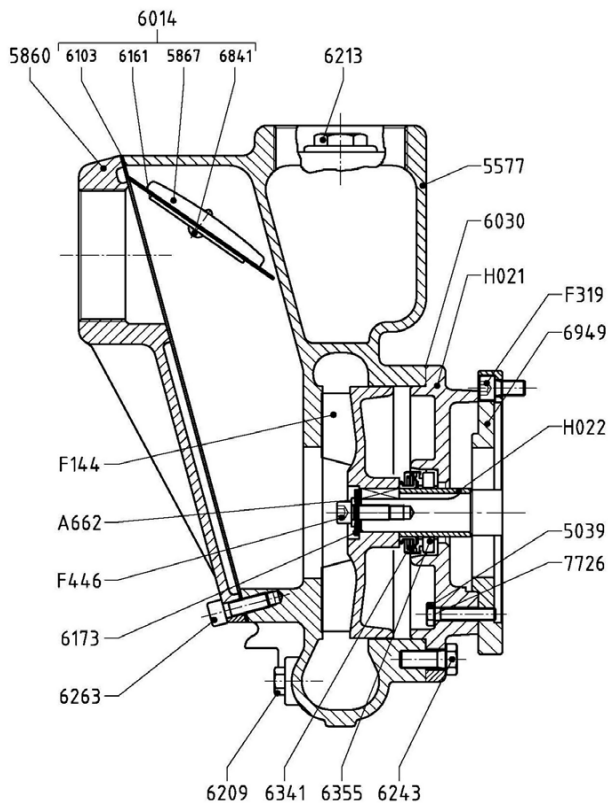
PARTS BREAKDOWN

G3TMK-A (CAT AA1E) Cast iron transfer pump



Position	Qty	Description
5860	1	Valve Body B3XR-A
5867	1	Counterweight B3XR-A
6035	2	Flex. Gasket B 1056
6103	1	Check Valve B 2583/1
6161	1	Washer D.7x75x2.5
6209	1	Conical Tap 1/4" Gas
6213	1	Conical Tap 1" Gas
6224	6	T.E. Screw M8x80
6239	8	Hex. Head Screw M10x25
6263	7	OEB Screw M 10x30
6277	2	Screw M6x10
6341	1	Mech. Seal 32-54-15
6355	1	Counterface 33-57-10
6841	1	Rivet 6.5x20
6949	1	Flange
7726	6	Copper Washer
8246	1	Pump Casing B-2450/1
8269	3	Steel OEB Screw M6x12
8375	1	Wear Disc B-2451
F290	1	Extension Shaft
F785	1	Impeller G3TMK-A
F786	1	Bracket

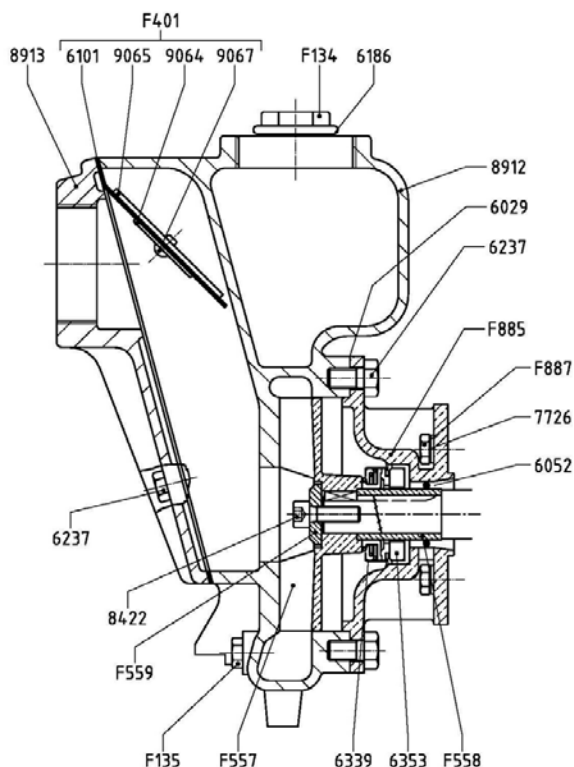
B3ZPM-A (CAT AAZ4) Cast Iron transfer pump



Position	Qty	Description
5394	1	Washer D.15x28x5
5583	1	Pump Casing B2ZRM-A
5860	1	Valve Body B3XR-A
5867	1	Counterweight B3XR-A
6035	1	Flex. Gasket B 1056
6103	1	Check Valve B 2583/1
6161	1	Washer D.7x75x2.5
6209	1	Conical Tap 1/4" Gas
6213	1	Conical Tap 1" Gas
6224	6	T.E. Screw M8x80
6239	8	Hex. Head Screw M10x25
6263	7	OEB Screw M 10x30
6277	2	Screw M6x10
6326	1	Key B 6x6x25
6341	1	Mech. Seal 32-54-15
6355	1	Counterface 33-57-10
6841	1	Rivet 6.5x20
7726	6	Copper Washer
F157	1	Stainless Steel Key M12x1.5
F319	4	OEB Screw 3/8 -16 UNC "
F786	1	Bracket
H270	1	Under Plug 2" - Diam.58
H272	1	Under Plug 3"
H354	1	Flange B2ZPM-A
H355	1	Impeller B2ZPM-A
H356	1	Extension Shaft

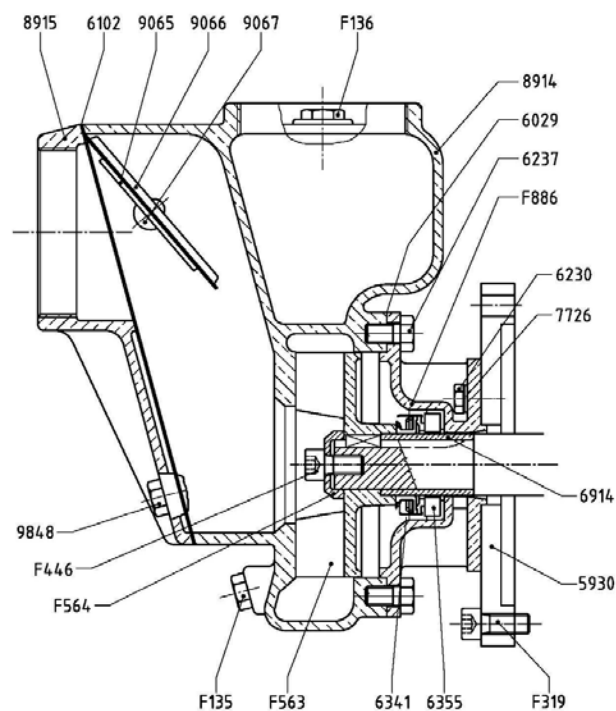
PARTS BREAKDOWN

B2KQ-A/B (CAT AA3B) Bronze transfer pump



Position	Qty	Description
5442	1	S/Steel OEB Screw M6x15
6029	1	Flex. Gasket B 2618
6052	1	OR 133 (24.99x3.53)
6101	1	Check Valve 2616/2
6186	1	Flex. Washer 33x39x2
6237	10	Hex. Head Screw M10x20
6339	1	Mech. Seal 25-47-14
6353	1	Counterface 27-50-10
7726	4	Copper Washer
8422	1	Screw OEB 5/10" L=20
8912	1	Bronze Body B2KQ-A

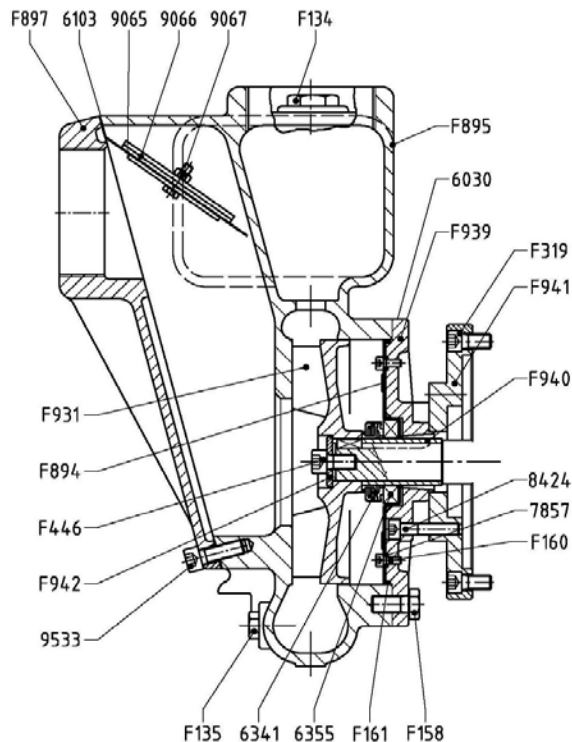
B3KQ-A/B (CAT AA4B) Bronze transfer pump



Position	Qty	Description
5442	1	S/Steel OEB Screw M6x15
5930	1	Adaptor Plates AP 013
6029	1	Flex. Gasket B 2618
6102	1	Check Valve B3KQ-A
6230	4	Hex. Head Screw M8x20
6237	4	Hex. Head Screw M10x20
6341	1	Mech. Seal 32-54-15
6355	1	Counterface 33-57-10
6914	1	Bronze Sleeve
7726	4	Copper Washer
8914	1	Bronze Pump Casing
8915	1	Bronze Check Valve
9065	1	Counterweight
9066	1	Counterweight
9848	6	OEB S/Steel Screw M10x20
F135	1	Conical Tap 1/4" Gas
F136	1	Conical Tape 1/2" Gas
F319	4	OEB Screw 3/8 -16 UNC "
F446	1	Screw OEB 3/8 -24 UNF "
F563	1	Bronze Impeller
F564	1	Brass Washer
F739	1	Steel Nut M6x1
F886	1	Bronze Support

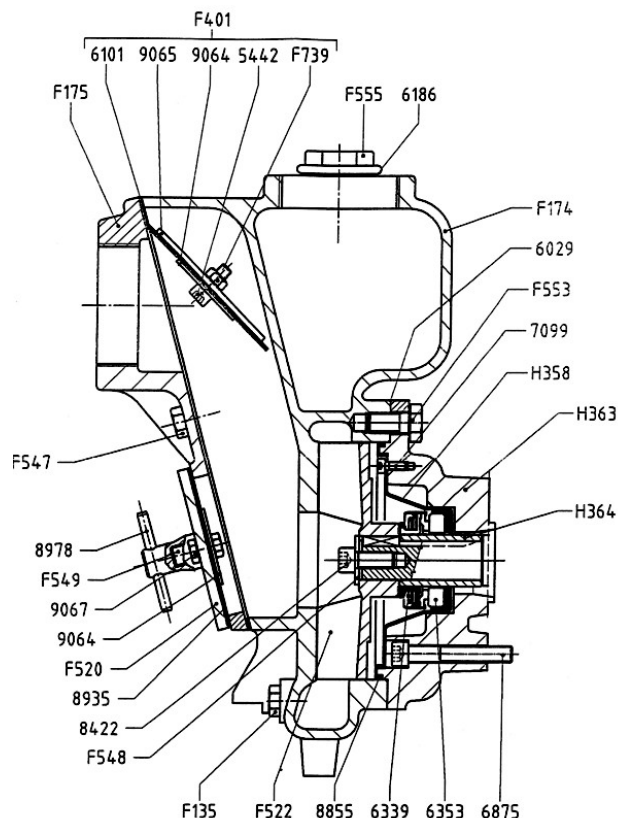
PARTS BREAKDOWN

B3XR-A/SS (CAT AA2C) Stainless steel transfer pump



Position	Qty	Description
6030	1	Flex. Gasket B 2587
6060	1	OR 4625 (158.3x3.53)
6103	1	Check Valve B 2583/1
6341	1	Mech. Seal 32-54-15
6355	1	Counterface 33-57-10
7857	8	OR 2021 (5.28x1.78)
8424	4	Screw O.E.B. M8x40
9065	1	Counterweight
9066	2	Counterweight
9222	1	Stainless Steel Screw M6x20
9533	7	Screw OEB M10x30
F135	1	Conical Tap 1/4" Gas
F158	4	Stainless Steel Screw M12x25
F160	8	Stainless Steel Screw M5x12
F319	4	OEB Screw 3/8 -16 UNC "
F446	1	Screw OEB 3/8 -24 UNF "
F555	1	Tap AISI 316 1"G
F739	1	Steel Nut M6x1
F894	1	Stainless Steel Disc
F895	1	Pump Casing B3XR-A/X
F897	1	Valve B3XR-A Stainless Steel 3"
F931	1	Impeller B3XR-A/X
F939	1	Bracket B3XR-A/X
F940	1	Sleeve D.25.4/32/H54
F941	1	Flange B3XR-A/X
F942	1	Stain.Steel Washer D.10x35x4

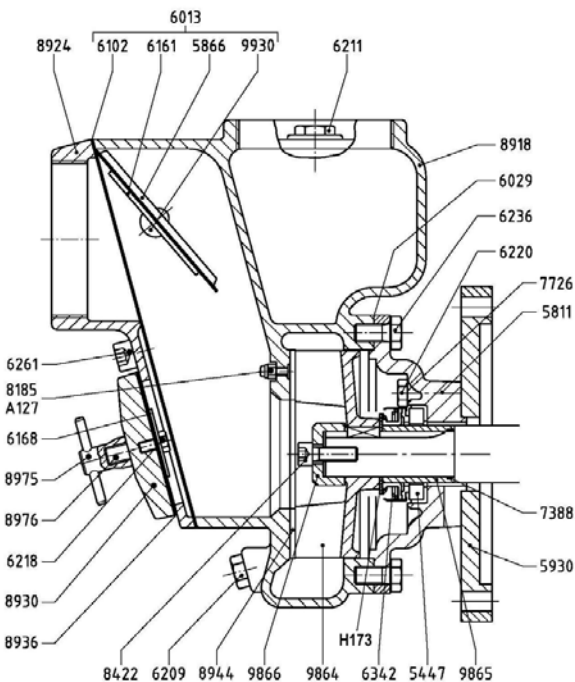
B2KQ-A/ST (CAT AA2B) Stainless steel semi trash pump



Position	Qty	Description
5442	1	S/Steel OEB Screw M6x15
6029	1	Flex. Gasket B 2618
6101	1	Check Valve 2616/2
6186	1	Flex. Washer 33x39x2
6339	1	Mech. Seal 25-47-14
6353	1	Counterface 27-50-10
6875		
7099	4	OEB Screw M 4x10
8422	1	Screw OEB 5/10" L=20
8855	1	OR 3425 107.62x2.62
8935	1	Gasket Inspect. Door
8978	2	Complete Pin M8
9064	1	Counterweight Washer
9065	1	Counterweight
9067	2	Nut TE M6x12
F135	1	Conical Tap 1/4" Gas
F174	1	Stainless Steel Pump Casing
F175	1	Valve B2KQ-A AISI 316
F401	1	Complete Check Valve
F520	1	Inspection Door
F522	1	Impeller
F547	4	Screw M8x20 AISI 316
F548	1	Washer D.6.5x24x2
F549	2	Screw M8x40 AISI 316
F553	4	Stainless Steel Screw M10x18
F555	1	Tap AISI 316 1"G
F739	1	Steel Nut M6x1
H358		
H363		
H364		

PARTS BREAKDOWN

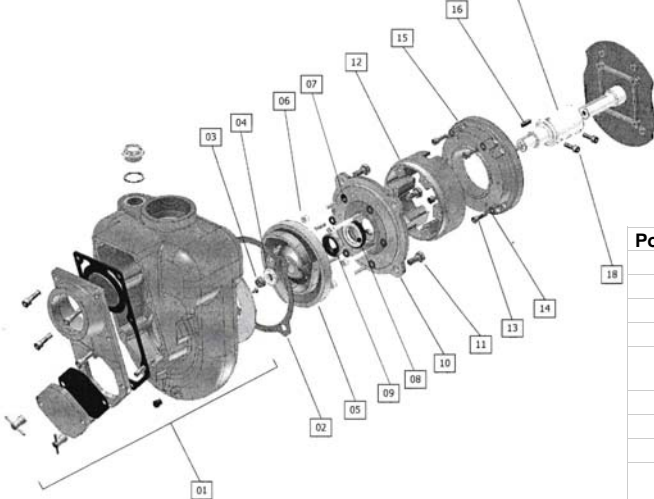
B3XR-A/ST (CAT AAR8) Cast iron semi trash pump



Position	Qty	Description
5447	1	Counterface 34-57-10
5480	2	Flex. Gasket B 2618
5811	1	Support B2KQ-A
5866	1	Counterweight B3KQ-A
5930	1	Adaptor Plates AP 013
6029	1	Flex. Gasket B 2618
6102	1	Check Valve B3KQ-A
6160	1	Washer B 2672/1
6161	1	Washer D.7x75x2.5
6169	2	Copper Washer
6209	1	Conical Tap 1/4" Gas
6211	1	Conical Tap 1/2" Gas
6220	4	Screw T.E. M8x40
6236	4	Hex. Head Screw M10x20
6261	1	OEB Screw M 10x20
6841	1	Rivet 6.5x20
7726	4	Copper Washer
8422	1	Screw OEB 5/10" L=20
8918	1	Pump Body B3KQ-A/ST
8924	1	Valve B3KQ-A/ST
8930	1	Inspection Door
8936	2	Gasket Inspect. Door
8975	2	Complete Pin M10
8976	2	Grub Screw M10x50
9864	1	Impeller 3-Blades
9865	1	Sleeve 32x25.4x40.3
9866	1	Washer For Impeller
F976	1	Mech. Seal 32-54-15
H173	1	Washer D.25.6x45x1.5
H387	1	Wear Disc
H388	4	Screw M5x12

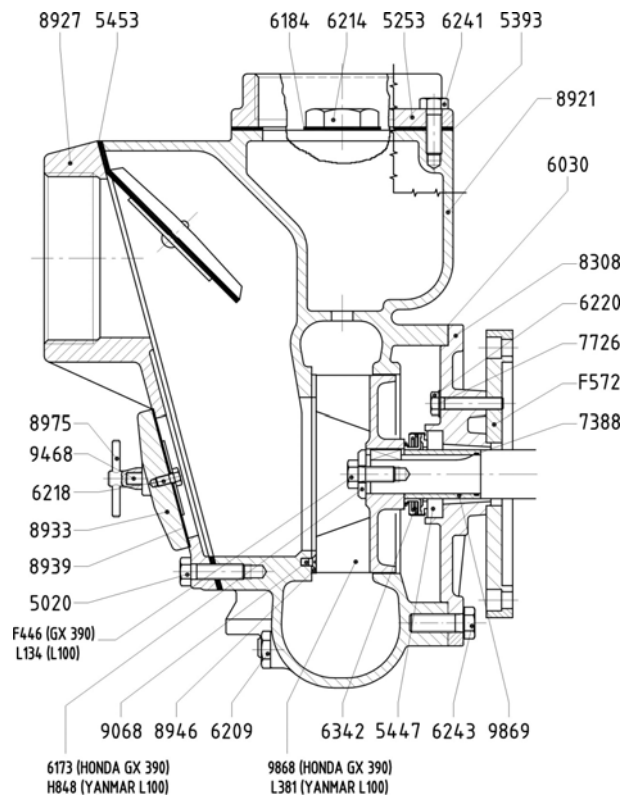
PARTS BREAKDOWN

B3XR-A/ST (CAT AA9R) Cast iron semi trash pump



Position	CAT	Qty	Description
1	9688	1	COMPLETE PUMP CASING B3XR-A/ST
2	5441	1	FLEX. GASKET 0,2mm
2	F685	1	FLEXOLITE GASKET 0.5mm
3	F157	1	INOX NUT M12x1,5
4	H677	1	WASHER D.15,5x34x4 stainless steel AISI 316
5	L605	1	IMPELLER B3XR-A/ST
6	F981	6	OEB SCREW M 8x85
7	7726	6	COOPER WASHER 8x12x1,5
8	H828	1	COUNTERFACE 34-57-10 silicon carbide/Nbr
9	F976	1	MECH.SEAL 32-54-15 silicon carbide
10	L604	1	FLANGE SEAL HOLDER
11	6243	4	SCREW T.E. M 12x25
12	L555	1	ENGINE FLANGE
13	H707	4	SCREW 3/8-16 UNC "
14	5019	4	WASHER D.10x18x1
15	L554	1	FLANGE HONDA-YANMAR
16	L560	1	KEY B 6x6x25 AISI 316
17	H356	1	EXTENSION SHAFT HONDA GX620 cyl.shaft 1type Q "
18	6255	2	O.E.B. SCREW M 8x25
	L444	1	PACKING

B4KQ-A/ST (CAT AAR9) Cast iron semi trash pump



Position	Qty	Description
5020	5	T.E. Screw M 10x35
5253	1	Flange B 3203
5379	1	Counterweight B 3205
5393	1	Rubber Gasket B 3207
5453	1	Valve Gasket B 3206
F572	1	Adaptor Plates AP 013
6030	1	Flex. Gasket B 2587
6161	1	Washer D.7x75x2.5
6169	2	Copper Washer
6173	1	Washer 10x30x6 (Honda GX390)
H848	1	Washer 10x30x6 (Yanmar L100)
6184	1	Flex. Washer 41x50x2
6209	1	Conical Tap 1/4" Gas
6214	1	Conical Tap 1 1/4" Gas
6220	4	Screw T.E. M8x40
6241	4	T.E. Screw M 10x30
6243	4	T.E. Screw M 12x25
6355	1	Counterface 33-57-10
6841	1	Rivet 6.5x20
7726	4	Copper Washer
8308	1	Bracket (exB-2902/2A)
8921	1	Pump Body B4KQ-A/ST
8927	1	Valve B4KQ-A/ST
8933	1	Inspection Door
8939	2	Gasket Door B4KQ-A/ST
8946	1	Wear Disc D.129.5
8975	2	Complete Pin M10
9068	3	Screw T.S.E.I.M5x00
9468	2	Grub Screw M10x60
9868	1	Impeller B4KQ-A/ST (Honda GX390)
L381	1	Impeller B4KQ-A/ST (Yanmar L100)
9869	1	Sleeve D.32x25.4x50
A242	1	Spring Washer D.10
F319	4	OEB Screw 3/8" -16 UNC
F446	1	Screw OEB 3/8" -24 UNF (Honda GX390)
L134	1	Screw OEB 3/8" -24 UNF (Yanmar L100)
F976	1	Mech. Seal 32-54-15 Sil.Car.

WARRANTY

All Aussie GMP pumps are guaranteed to be free of faulty workmanship for a period of 2 years from the date of installation.

- Repairs carried out by Aussie Pumps Service Division on products outside the guarantee period are guaranteed to be free of faulty workmanship or material for a period of three (3) months after the repair.
- Warranty is deemed to apply to failures due to faulty workmanship or materials and does not apply to fair wear and tear, improper installation or application, the users failure to carry out maintenance, or as a result of the product's use for purposes for which it was not designed.
- Contact engine manufacturer's service agent in relation engine warranty and service issues.
- Aussie Pumps is not liable for any loss of profit or consequential or indirect special loss arising from defects in any of its products. Moreover, Aussie Pumps will not be liable for damage or injury of any kind whatsoever arising directly or indirectly from product defects.
- Aussie Pumps' liability under the terms of the company's guarantee or warranty is limited to any one of the following:
 - replacement of the product with a suitable equivalent;
 - repair of the product;
 - return of the product for refund of purchase price;
 - payment for the cost of having the product repaired;
 - supply of replacement services;
 - payment of the cost of having services supplied again.

Aussie Pumps reserves the right to choose the lowest cost option of the above.

Reliable Products ...
Reliable People



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