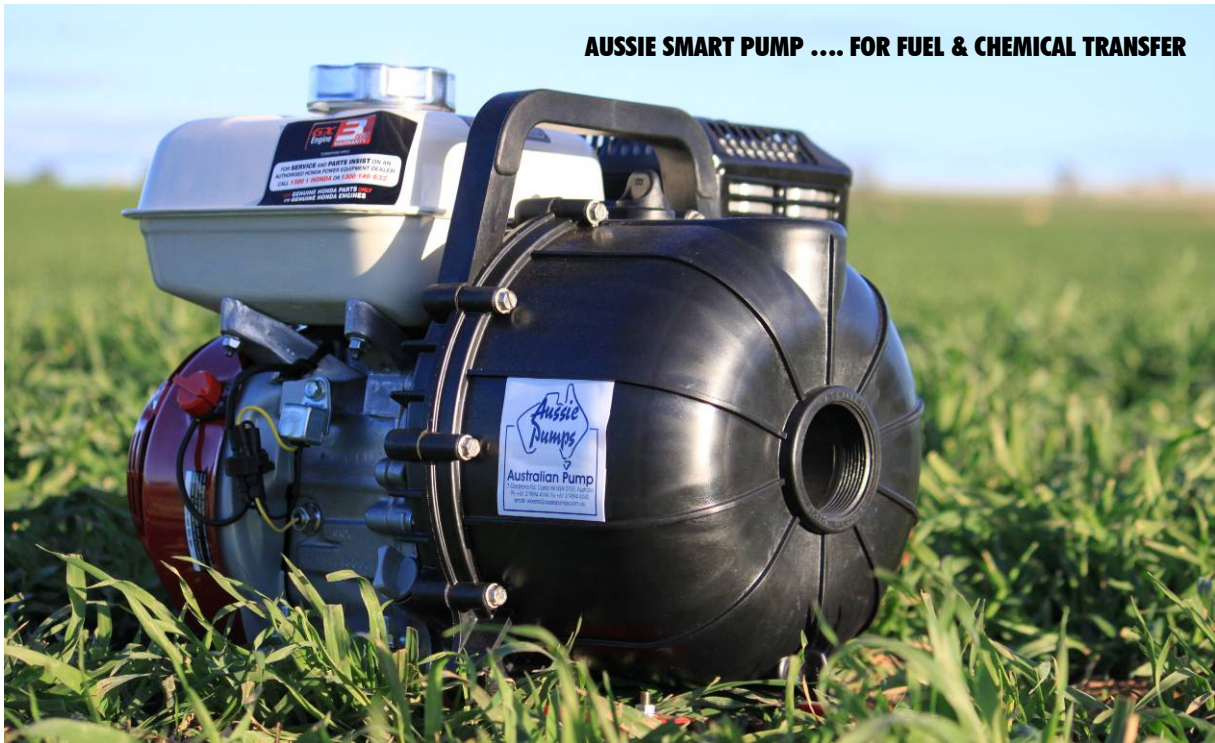
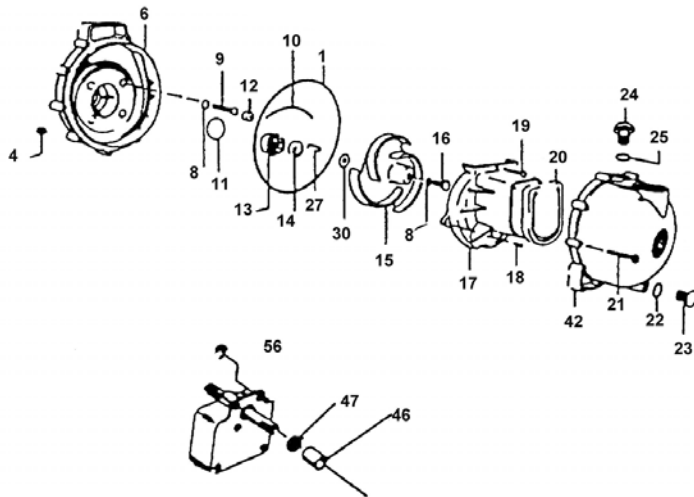


INSTRUCTIONS FOR CONVERTING PUMP SEALS ON AUSSIE POLY PUMPS



AUSSIE SMART PUMP FOR FUEL & CHEMICAL TRANSFER



Pos	Description	Part number	Qty
1	O-RING BODY BUNA N	58.0719.71	1
1	O-RING BODY EPDM	58.0719.72	1
1	O-RING BODY VITON	58.0719.73	1
6	BACK CASING	58.0703.3B	1
13-14	MECHANICAL SEAL BUNA N 316SS CARBON CERAMIC	58.0714.11	1
13-14	MECHANICAL SEAL EPDM 316SS CARBON CERAMIC	58.0714.12	1
13-14	MECHANICAL SEAL VITON 316SS CARBON CERAMIC	58.0714.14	1
15	IMPELLER HIGH VOLUME 4 VANE 975	58.0975.30	1
15	IMPELLER HIGH HEAD 5 VANE 706	58.0706.30	1
17	VOLUTE HIGH VOLUME (975)	58.0977.30	1
17	VOLUTE HIGH HEAD (706)	58.0702.30	1
20	CHECK VALVE BUNA N	58.0705.71	1
20	CHECK VALVE EPDM	58.0705.72	1
20	CHECK VALVE VITON	58.0705.73	1
23	DRAIN PLUG	58.0723.30	1
24	FILLER PLUG	58.0722.30	1
42	FRONT CASING 2"	58.0784.30	1
42a	FRONT CASING 3"	58.0877.30B	1
46	SHAFT SLEEVE	58.0882.90	1
56	PLASTIC PEDESTAL KIT - CARBON STEEL SHAFT	58.0001	1
56b	CAST IRON PEDESTAL KIT-STAINLESS STEEL SHAFT	RKIT097	1
70a	OPTIONAL DELIVERY ELBOW 2" BSP	58.1367.40	1
70b	OPTIONAL DELIVERY ELBOW 3" BSP	58.1368.40	1

CONVERSION KITS (includes shaft seal, check valve, all o-rings to convert pump)			
Description	Part number	Qty	
S2 & 3 BUNA N (SUITS DIESEL FUEL AND LIGHT OIL TRANSFER)	58.0014	1	
S2 & 3 EPDM (SUITS MOST AG CHEMS)	58.0005	1	
S2 & 3 VITON (UNIVERSAL SEALS)	58.0017	1	

(check Chemical Compatibility Chart for full details - download www.aussiepumps.com.au)

PUMP REPAIR KIT (includes shaft seal & most o-rings (except body o-ring & check valve) impeller screw, volute screws, shims to repair pump)			
S2 & 3 Viton Seal repair kit	58.0026	1	

ACCESSORIES			
PROTEK MOTOR PROTECTION KIT	58.0015	1	
GALVANISED ROLL FRAME	AFRAMEL48GAL	1	

AUSTRALIAN PUMP

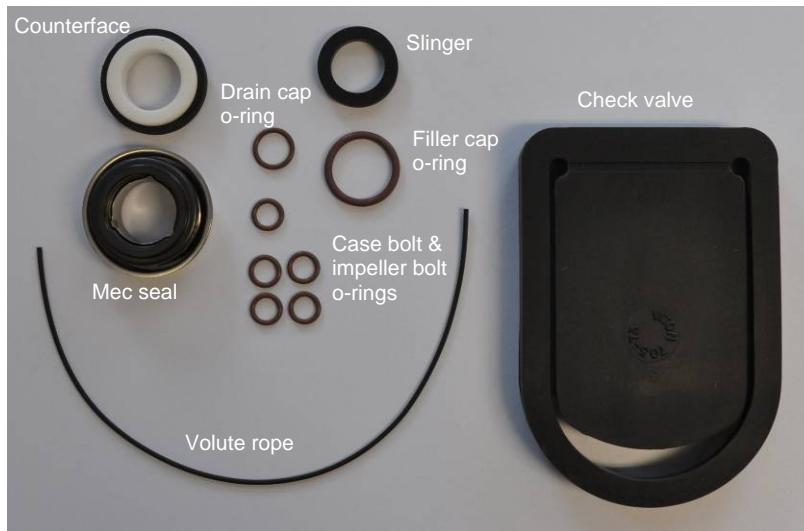
For further assistance contact Aussie Pumps ...

02 8865 3500

INSTRUCTIONS FOR CONVERTING PUMP SEALS ON AUSSIE POLY PUMPS

Rejuvenation Kit / O-ring replacement

Contents of Conversion Kit



1. Lay engine on it's back and unscrew pump body. Remove volute, impeller, back plate and all seals.
2. Place new slinger over the engine shaft
3. Place new bolt seals over the engine bolts, fit back casing and secure with four bolts. Fill the bolt holes with silicon and wipe off any excess.
4. Fit new mech seal to back casing. Use a plastic hammer and pipe to gently press the mec seal into place. Use silicon spray.
5. Replace the counter face to the mec seal in the back of the impeller. Do not use a hammer, it will break, use silicon spray.



INSTRUCTIONS FOR CONVERTING PUMP SEALS ON AUSSIE POLY PUMPS

6. Place the impeller over the shaft. Press down on it to compress the mec seal. Rotate the impeller to see if it rubs. If it does, insert shims on the engine shaft and repeat this process.



7. Remove the impeller, place the impeller key in the shaft and fit the impeller. Replace the o-ring on the impeller screw and use the screw to secure the impeller.



8. Fit the volute rope to the back casing. It fits into a groove as depicted in the photo.



9. Fit the volute to the back casing. Line up locating pins and secure it in place. Use an electric screw driver to tighten the screws.



Turn the motor over to ensure there is no rubbing between the impeller and the volute. If there is, adjust by removing shims.

10. Fit the large o-ring around the outside of the back casing. Use silicon spray to prevent o-ring from getting pinched.



11. Fit the check valve to the volute. Use silicon spray if tight.



12. Fit the pump body to the back casing, secure in place. Tighten bolts in opposite sequence. HAND TIGHTEN ONLY.



13. Fit the remanning o-rings to the drain and filler plugs.



14. Fit the plugs to the pump body.

INSTRUCTIONS FOR CONVERTING PUMP SEALS ON AUSSIE POLY PUMPS

Trouble Shooting Guide for Aussie Poly Pumps

Symptoms	Cause	Action
Pump does not turn over	Impeller jamming	Adjust impeller spacing, disassemble and clean
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
Electric motor failure	High or low voltage	Check voltage with voltage metre
	High electric surge	Monitor voltage and consult power supplier
	Poor electric connection	Turn power off, clean and check connections
	Overloads	Check amperage. Do not exceed nameplate full load amperage
	Bearing failure	Change bearings in motor
	Cooling vent plugged (rodent, leaves, dirt, etc.)	Install proper screens
	Moisture or water in motor	Protect pump from environment
Rapid wear on coupling cushion	Misalignment	Align
	Bent shaft	Replace shaft