

2016 PWC CATALOG

**Impeller
Jet Pump
Intake Grate**



 **SOLAS[®]**
Where Speed Begins



Dr. Solas Y. J. Lin

 **SOLAS**
www.solas.com



About SOLAS

SOLAS was founded in 1985 by Dr. Solas Y. J. Lin. SOLAS is now one of the most well known and trusted names in outboard, stern drive propellers and personal watercraft impellers. Our success is largely due to superior design and craftsmanship from team SOLAS.

Located in Taiwan, SOLAS combines world class research and design, highly skilled labor, cost effective material sourcing and a technologically advanced manufacturing facility to deliver the highest quality of products to its customers.

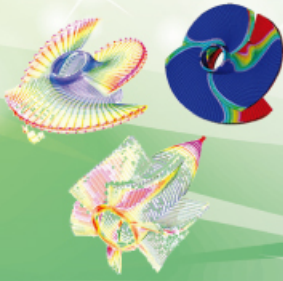
- We listen and care about the needs of our customers. Our passion is to ensure that our customers enjoy the latest advancements.
- SOLAS products are marketed on a global scale.
- SOLAS quality controls are of the highest standards in the impeller and propeller industry.



Designed for Champions

Over the years SOLAS has sponsored many well known professional personal watercraft riders. The valuable feedback we receive from our sponsored professionals are taken into account and evaluated by our research and development team.





Research and Development

The SOLAS Research and Development Team have elevated Team SOLAS to be the world's largest manufacturer of propellers and impellers in the world. From propellers and impellers to high speed personal watercraft pump systems, SOLAS Research and Development has incorporated advanced production technology, and harsh field-testing into their designs.

With its CAD, CAM, and CAE capabilities, SOLAS will continue to develop high performance products to suit our customers' needs. At SOLAS we are dedicated to manufacturing world class marine propulsion systems.



Quality Control System

SOLAS has implemented a strict quality assurance program which includes all aspects of our manufacturing process including product design, raw material inspection, production monitoring and distribution control. SOLAS has even set up a state of the art testing apparatus to ensure that these strict standards are met. To enhance customer satisfaction, data from these quality control testing procedures are further analyzed to improve future product design and production capability.

SOLAS is and remains certified by BSI, an award given only to the highest quality in manufacturing and production. SOLAS believes that continuous improvement and intensive research is necessary for our company and products to remain the best in the world. SOLAS is always willing to adapt and grow with it's customers.



ISO 9001 CERTIFIED

We are honored to have BSI (British Standards Institution) ISO 9001 certificate and the Symbol of Excellent Products from Taiwan Government. Total satisfaction of our customers is always our first priority.



Continuous Product Improvement

SOLAS has a wide range of propulsion designs from straight pitch impellers (like the Super Camber series, X Prop, and Concord) to our newly developed Dynafly series. SOLAS continually develops and improves its impellers.

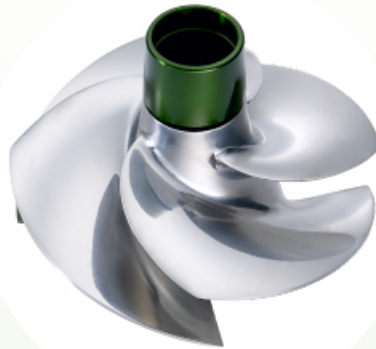


Concord - The Power Torque Series

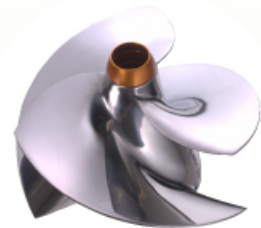
With features like a large blade area and a unique geometric blade design, the SOLAS Concord Impeller delivers remarkable thrust and extraordinary efficiency. As four stroke technology becomes mainstream in the PWC world, the Concord design truly enhances the engine characteristics, not only delivering incredible acceleration but excellent top end performance. From water skiing to high speed cruising, this technologically advanced power torque design with its radial leading edge will offer everything you could ask for in an impeller.



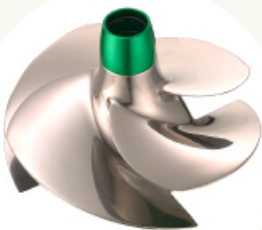
YF-CD



SRX-CD



HA-CD



SR-CD



KG-CD



YS-CD



PF-CD



Dynafly -- Maximum Acceleration

Our new impeller is designed to give high compression ratio pumps a stronger acceleration with less cavitation. This impeller is capable of giving your PWC an incredible boost in its performance. The SOLAS product line includes Dynafly impellers for the Kawasaki Ultra 150 pump and the Sea Doo 951 pump. SOLAS also has developed new impellers for other pumps. Please check the application chart for further details.



YG-DF



KH-DF



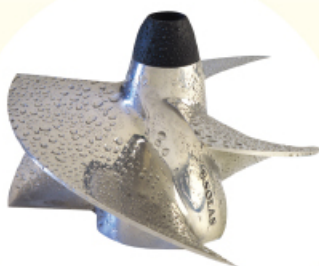
KP-DF



ST-DF

X-prop - High Speed & Ultimate Performance

The SOLAS X prop gives you the most powerful propulsion in the water from an advanced design that incorporates a high compression hub and cambered blades. Enthusiasts looking for speed and acceleration from the novice to the professional, will be satisfied using this impeller. You can trust the harsh field testing of the X prop by Team SOLAS.



SD-SC-XO



SD-SC-X



Super Camber S-I-J-K-H - The Last Word of Impeller Evolution

The patented Super Camber S-I-J-K-H series with the rubber seal are even more streamlined. This reduces drag for the impeller while increasing volumetric flow of the pump at the same time, making the SOLAS Super Camber series arguably the best in the PWC market.



SD-SC-J



YB-SC-I

Super Camber A-B-C-D-E - For a Cost Effective Solution

The Super Camber A-B-C-D-E series remains one of the most popular products in the personal watercraft market. The Super Camber blade has increased flow and the thrust of the impeller.



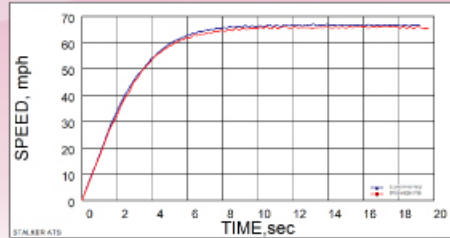
YA-SC-A



SD-SC-B

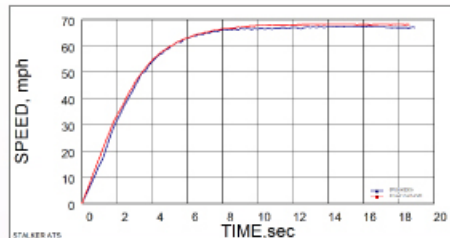
TECH NEWS

KX-CD-15/23,16/24 -- Make the Speed Up



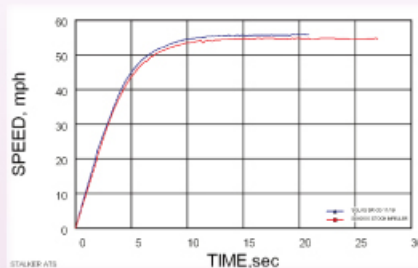
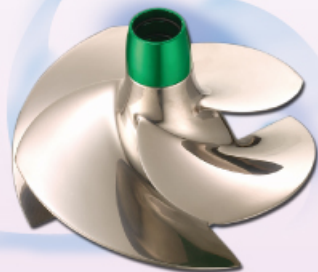
The SOLAS KX-CD-15/23 and KX-CD-16/24 deliver more power and stronger acceleration for the 4-stroke KAWASAKI ULTRA 260X/260LX; ULTRA 250X, the SOLAS impeller offers even more acceleration and a much better top end performance.

YS-CD-13/22, 14/23 -- Make the Best Better



The SOLAS Concord Impeller will give the top rated Yamaha SHO, SHO FZR/FZS; FX CRUISER High Output better hole shot, faster acceleration, and better top end performance. The SOLAS impeller can deliver much more power, gain speed, and correct cavitation problems. It features large area blades and special pitch distribution, plus it has a low friction polished mirror surface.

SR-CD-12/20, 11/19 -- Silent Raider



For the SEADOO 4-Tech, SOLAS developed the SR-CD-12/20 for the supercharged PWC and the SR-CD-11/19 for the stock 4-Tech. These newly developed 4 blade impellers offer better acceleration and top end performance. Solas has developed a new model of impellers specifically for 4 stroke PWCs. These impellers allow 4-stroke motors to achieve their full potential and best possible performance. These impellers will enhance the performance of your PWC.



HS-PM-140/74T

Application: 12 VANE
Hydrospace HSR S4 2004



ST-HSV-155/83

Application: 8 VANE
SEADOO 951/782/720 cc

High Performance JET PUMP

High Performance, durable, and affordable products are our commitment by Team SOLAS to our customers. With this commitment in mind, SOLAS proudly presents a new product line of jet pump series, for the personal watercraft market.

This new line of products is based on modern hydrodynamics design and intensive field testing from our SOLAS PWC racing champions. We are offering all-around high performance not only to professionals, but to our recreational PWC customers as well.



YVS-SV-160/74

Application: 12 VANE
Seadoo 1812cc 2014~



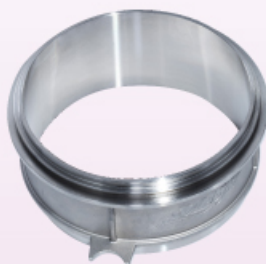
YRS-SV-148/74

Application: 12 VANE
Seadoo 701cc 2008~



SD-PM-140/60

Application: 6 VANE
Seadoo 782/720/650/580cc



SK-HS-140

Application:
Seadoo Spark 900cc 2014~



YVS-HS-160

Application:
Seadoo 1812cc 2014~



SR-HS-156-001

Application:
Seadoo 1494cc

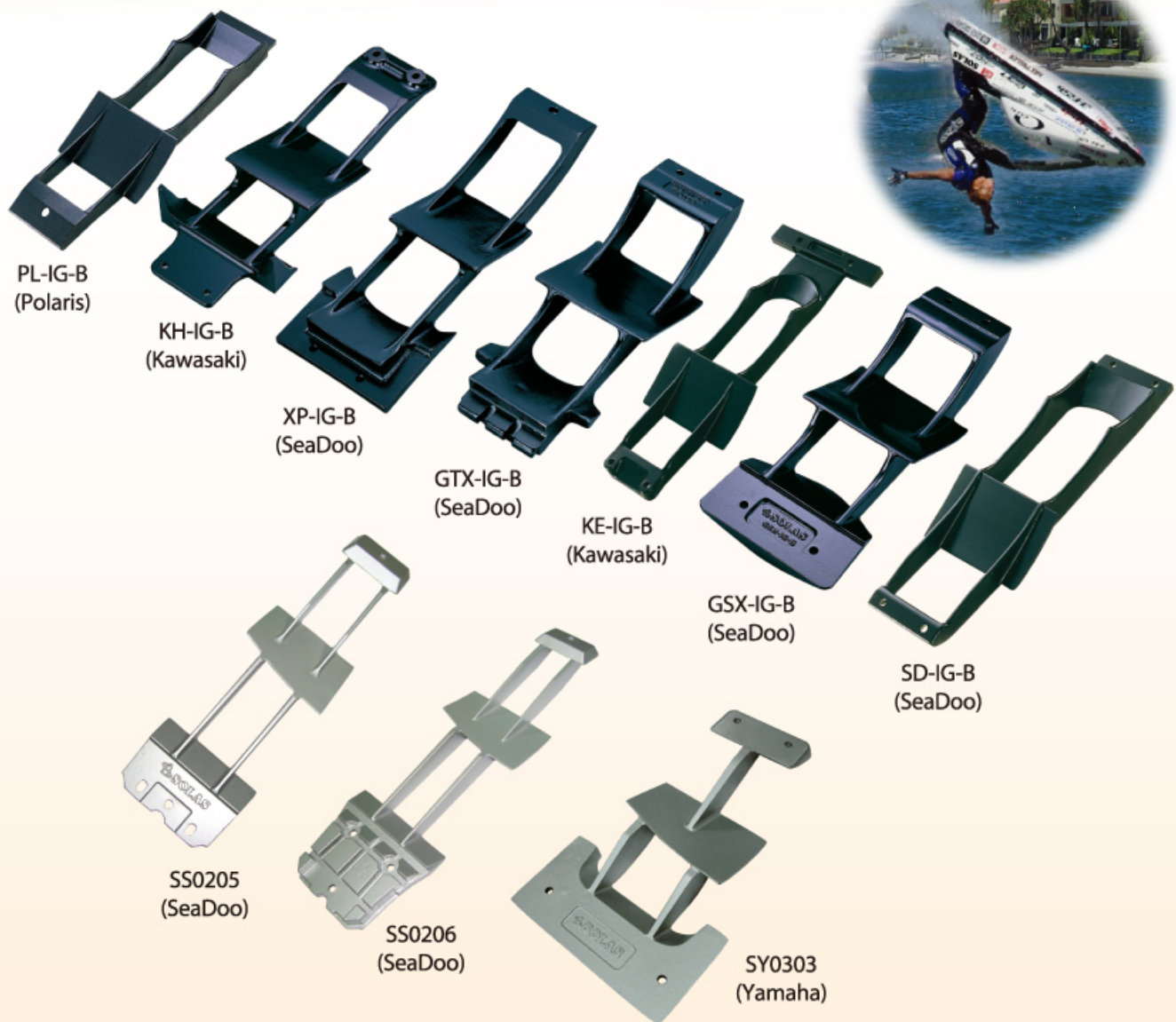
NOTE: The impeller is an optional part.



Intake Grates -- Ensure Maximum Flow

SOLAS' commitment to performance does not simply mean just speed. It means handling, dependability, durability, smooth operation, and much more. SOLAS intake grates are made of cast aluminum. Each is finished with an epoxy powder coating which makes SOLAS intake grates highly resistant to corrosion and abrasion.

Our airfoil section allows more water to flow consistently into the pump in order to eliminate cavitation and improved hook up ability. SOLAS offers several different models.



PL-IG-B
(Polaris)

KH-IG-B
(Kawasaki)

XP-IG-B
(SeaDoo)

GTX-IG-B
(SeaDoo)

KE-IG-B
(Kawasaki)

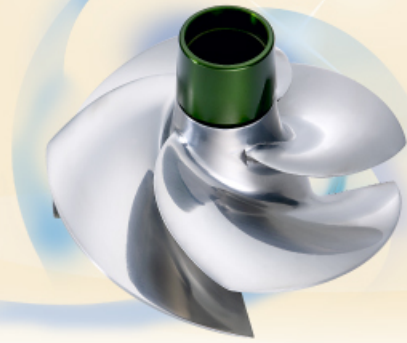
GSX-IG-B
(SeaDoo)

SD-IG-B
(SeaDoo)

SS0205
(SeaDoo)

SS0206
(SeaDoo)

SY0303
(Yamaha)

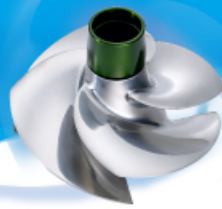


How to select impellers for your personal watercraft:

SOLAS is committed to producing personal watercraft impellers of the highest quality to provide the ultimate in PWC performance. SOLAS impellers are race proven around the world for their extreme durability and superior efficiency.

To provide your personal watercraft with the best possible performance, SOLAS offers the following guide to selecting the suitable impeller for your PWC:

Selection Consideration	Impeller Solution
Q1: Engine RPM is too high or is exceeding manufacturers' recommendations at full throttle.	A1: Increase impeller pitch.
Q2: Engine RPM is too low or not reaching its rated RPM at full throttle.	A2: Decrease impeller pitch.
Q3: High altitude operation.	A3: Decrease impeller pitch.
Q4: Cold weather operation.	A4: Increase impeller pitch.
Q5: Top speed and performance under all conditions.	A5: Increase or decrease impeller pitch to reach the manufacturer's recommended RPM at full throttle.



Impellers

SEA DOO is registered trademark of Bombardier Recreational Products Inc.

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER				
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine	
1494	RXP-X 260	2012-	159mm	CONCORD	SRZ-CD-15/21A	SRZ-CD-15/21A	SRZ-CD-16/21A	
	RXT IS 260 / RXT-X 260 / RXT 260 / RXT-X a5260	2009~		CONCORD	SRZ-CD-15/21A	SRZ-CD-15/21A	SRZ-CD-16/21A	
	GTX LTD IS 255 / GTX LTD IS 260	2009~		CONCORD	SRZ-CD-15/21A	SRZ-CD-15/21A	SRZ-CD-16/21A	
	RXP-X 255	2009~		CONCORD	SRZ-CD-15/21A	SRZ-CD-15/21A	SRZ-CD-16/21A	
	RXP(215HP)	2009~2010		CONCORD	SRZ-CD-14/19A	SRZ-CD-14/19A	SRZ-CD-15/20A,16/21A	
	RXT(215HP)	2009~2010		CONCORD	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A,16/21A	
	WAKE PRO(215hp)	2009~		CONCORD	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A,16/21A	
	GTX 215 / GTX IS 215 / GTX LTD 215	2009~		CONCORD	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A,16/21A	
	GTR(215HP)	2012-		CONCORD	SRZ-CD-14/19A	SRZ-CD-14/19A	SRZ-CD-15/20A	
	RXP-X	2008		CONCORD	SRX-CD-15/21	SRX-CD-15/21		
	RXT-X	2008	CONCORD	SRX-CD-14/19	SRX-CD-14/19			
	RXP(215HP)	2004-	CONCORD	SRX-CD-14/19	SRX-CD-14/19	SRX-CD-15/20		
	RXT(215HP)	2005-	CONCORD	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20		
	GTX Limited(215HP)	2005-	CONCORD	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20		
	WAKE SUPERCHARGED(215HP)	2007-	CONCORD	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20		
	GTX 4-tech Limited Supercharge(185HP)	2003-2004	CONCORD	SR-CD-12/20	SR-CD-13/21	SR-CD-13/21		
	GTX 4-tech Supercharge(185HP)	2003-2006	CONCORD	SR-CD-12/20	SR-CD-12/20	SR-CD-13/21		
	RXP(155HP)	2007-	CONCORD	SR-CD-11/19	SR-CD-12/20	SR-CD-12/20		
	GTS 130 / GTS PRO 130	2011-	CONCORD	SR-CD-11/19	SR-CD-12/20	SR-CD-12/20		
	wake(155HP)	2008-	CONCORD	SR-CD-11/19	SR-CD-12/20	SR-CD-12/20		
951	GTX 155	2002-2009	155.5mm	CONCORD	SR-CD-11/19	SR-CD-12/20	SR-CD-12/20	
	GTX 155 / GTX S 155	2010-		CONCORD	SRB-CD-11/19	SRB-CD-11/19	SRB-CD-11/19	
	GTX LTD 155 / GTI SE 155	2008-		CONCORD	SR-CD-10/18	SR-CD-11/19	SR-CD-11/19	
	GTI / GTI SE 130/GTI SE/GTI STD/GTI 4-TEC SE/GTI 4-TEC STD/GTI 4-TEC RENTAL/GTI 130/GTI Rental 130	2006-		CONCORD	SR-CD-10/18	SR-CD-11/19	SR-CD-11/19	
	RXX	2001-2002		148mm	CONCORD	KG-CD-15/21	KG-CD-16/22	KG-CD-16/22
	XP / XP DI	2000-2004		155.5mm	CONCORD	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22
	RX / RX DI	2000-2003			DYNAFLY	ST-DF-13/19	ST-DF-13/19	ST-DF-14/20
					CONCORD	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22
	GTX/GTX DI	2000-2003			DYNAFLY	ST-DF-13/19	ST-DF-13/19	ST-DF-14/20
					CONCORD	ST-CD-15/20	ST-CD-15/20	ST-CD-16/21
GSX Ltd. / GTX Ltd. / XP Ltd.	98-99	CONCORD	ST-CD-15/20		ST-CD-15/20	ST-CD-16/21		
		X Prop	ST-SC-X0(14.5-17.5)		ST-SC-X0(14.5-17.5)	ST-SC-XI(15.5-18.5)		
LRV / LRV DI	99-2003	CONCORD	ST-CD-14/19		ST-CD-14/19	ST-CD-15/20		
X Prop		X Prop	ST-SC-X0(14.5-17.5)	ST-SC-X0(14.5-17.5)	ST-SC-XI(15.5-18.5)			
900	SPARK ACE 900 / SPARK ACE 900 HO	2014-	140mm	CONCORD	SK-CD-12/17	SK-CD-12/17	SK-CD-13/18	
782	3D / 3D BASE	2005-2007	155.5mm	CONCORD	ST-CD-10/16	ST-CD-10/16		
	GSX RFI / GTX RFI	99-2000	140mm	CONCORD	SF-CD-15/23	SF-CD-16/24	SF-CD-17/25	
	XP / SPX / GSX	96-98	140mm	CONCORD	SD-CD-15/23	SD-CD-16/24	SD-CD-17/25	
				X Prop	SD-SC-X0(16.5-23.5)	SD-SC-X0(16.5-23.5)	SD-SC-XI(17-24)	
GTX / GTX PRO	96-98	140mm	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24		
			X Prop	SD-SC-X0(16.5-23.5)	SD-SC-X0(16.5-23.5)	SD-SC-XI(17-24)		
720	GTI / GTI LE / GTI RFI	2001-2005	155.5mm	CONCORD	ST-CD-10/16	ST-CD-10/16		
	GTS	2001-2002		CONCORD	ST-CD-10/16	ST-CD-10/16		
	XP / SPX	95-97	140mm	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24	
				X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)	
				IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
	GS / GSI	97-2001	140mm	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24	
				X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)	
				IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
	GTI / GTS	96-2000	140mm	CONCORD	SD-CD-14/22	SD-CD-15/23	SD-CD-16/24	
				X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)	
				IJK SERIES	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)	
	HX	95~	140mm	X Prop	SD-SC-X(16-23)	SD-SC-X(16-23)	SD-SC-X0(16.5-23.5)	
IJK SERIES				SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)		

* SRZ-CD-13/18, 14/19, 15/20, 15/21 ARE REPLACED BY SRZ-CD-13/18A, 14/19A, 15/20A, 15/21A AFTER INVENTORY RUN OUT.

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
650	XP	93-94	140mm	IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-J(15-20)
	SPX	94-95		IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-J(15-20)
	GSX	94-95		IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-J(15-20)
	GTX	94-95		IJK SERIES	SD-SC-I(14-19)	SD-SC-I(14-19)	SD-SC-J(15-20)
580	XP	91-92	140mm	ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	SPX	93		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	SPI	93-96		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	SP	88-96		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	GSX	92-93		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	GTX	92-93		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	GTS	92-96		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)
	GT	90-91		ABC SERIES	SD-SC-A(13-18)	SD-SC-B(14-19)	SD-SC-C(15-20)



Engine cc	Model	Horse Power	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER	
					SERIES	STOCK Engine
4-TEC / 1494cc	205 Utopia / Utopia SE	2 X 215HP	2007~	159mm	CONCORD	SRX-CD-14/19
	180 Challenger / Challenger SE	215 HP	2007~	159mm	CONCORD	SRX-CD-14/19
	230 Challenger / Challenger SE	2 X 215HP	2007~	159mm	CONCORD	SRX-CD-14/19
		2 X 155HP		155.5mm	CONCORD	SR-CD-11/19
	230 Wake	2 X 215HP	2007~	159mm	CONCORD	SRX-CD-14/19
		2 X 155HP		155.5mm	CONCORD	SR-CD-11/19
	Islandia SE	2 X 155HP	2007~	155.5mm	CONCORD	SR-CD-11/19
	SPEEDSTER 150	155HP	2007~	155.5mm	CONCORD	SR-CD-11/19
	SPEEDSTER 200	2 X 215HP	2007~	159mm	CONCORD	SRX-CD-14/19
		2 X 155HP	2004~	155.5mm	CONCORD	SR-CD-11/19
SPEEDSTER WAKE	2 X 215HP	2006~	159mm	CONCORD	SRX-CD-14/19	
SPORTSTER 4-TEC	155HP	2004-2005	155.5mm	CONCORD	SR-CD-11/19	
951	Sportster LE DI		2000-2005	155.5mm	CONCORD	ST-CD-15/20
780(2)	Speedster		98-99	140mm	CONCORD	SF-CD-15/23
	Challenger 1800		97-99		CONCORD	SD-CD-15/23
780	Challenger		95-97	140mm	X Prop	SD-SC-X0(16.5-23.5)
720(2)	Speedster SK		99		X Prop	SD-SC-X(16-23)
	Speedster 1800		99	X Prop	SD-SC-X(16-23)	
	Sportster LT		2002	X Prop	SD-SC-X(16-23)	
	Challenger		98-2001	X Prop	SD-SC-X(16-23)	
720	Speedster		96-97	140mm	X Prop	SD-SC-X(16-23)
	Explorer		97		X Prop	SD-SC-X(16-23)
650(2)	Sportster		95-98	140mm	X Prop	SD-SC-X(16-23)
	Speedster		94-95		ABC SERIES	SD-SC-A(13-18,R) SD-SC-B(14-19,L)
650	Sportster		95	140mm	ABC SERIES	SD-SC-A(13-18)
	Explorer		95-96		ABC SERIES	SD-SC-A(13-18)
	Explorer		93-95		ABC SERIES	SD-SC-A(13-18)

Mercury Sport Jet Impellers

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER	
				SERIES	STOCK Engine
90 HP	90 Jet (Spline)	1993-1995	184mm	CONCORD	MB-SC-A
175 HP	175 XR2 Jet	1997-2000		CONCORD	MC-CD-18/27
	Speedster	2000-2002		CONCORD	MC-CD-22/39
Mercury V6	Speedster SK	2000		CONCORD	MC-CD-22/39
	Speedster 160	2004		CONCORD	MC-CD-22/39
250HP	Challenger 1800	2000-2005		CONCORD	MC-CD-22/39
240HP	Challenger 2000	2000-2005		CONCORD	MC-CD-22/39
210HP	Challenger X	2004-2005		CONCORD	MC-CD-22/39
200HP	Sportster 1800	2000		CONCORD	MC-CD-22/39
(M2 Jet)	Utopia 205	2002-2005		CONCORD	MC-CD-22/39
	Utopia 185	2001-2005		CONCORD	MC-CD-22/39
	Islandia	2001-2005		CONCORD	MC-CD-22/39
					CONCORD

MC-CD-22/39 for Mercury Sportjet



"This is a highly efficient 4-blade, Stainless Steel, progressive pitch impeller delivering excellent thrust and superior overall performance for the Mercury SportJet model jet drive."



YAMAHA Impellers

YAMAHA is registered trademark of Yamaha Corporation.

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1812	FX SVHO / FX CRUISER SVHO	2014~	160mm	CONCORD	YV-CD-13/20	YV-CD-13/20	YV-CD-14/21
	FX HO / FX CRUISER HO	2009~	155mm	CONCORD	YS-CD-13/19	YS-CD-13/22	YS-CD-13/22
	VXR/ VXS	2011~	155mm	CONCORD	YS-CD-13/19	YS-CD-13/22	YS-CD-13/22
		2014~	160mm	CONCORD	YV-CD-13/20	YV-CD-13/20, YV-CD-14/21	YV-CD-14/21
	FZR / FZS	2008-2013	155mm	DYNAFLY	YS-DF-14/21	YS-DF-14/21, YS-DF-15/22	YS-DF-15/22
				CONCORD	YS-CD-13/22	YS-CD-13/22, YS-CD-14/23	YS-CD-14/23
	FX SHO / FX CRUISER SHO	2008-	155mm	DYNAFLY	YS-DF-14/21	YS-DF-14/21, YS-DF-15/22	YS-DF-15/22
				CONCORD	YS-CD-13/22	YS-CD-13/22, YS-CD-14/23	YS-CD-14/23
1300	Wave Runner GP1300R, GP1300	2005-2008	155mm	DYNAFLY	YG-DF-14/20	YG-DF-14/20, YG-DF-15/22	YG-CD-18/22
		2003-2004		CONCORD	YF-CD-13/19	YF-CD-13/19	YF-CD-14/20
1200	Wave Runner XLT 1200	99-2005	155mm	CONCORD	YF-CD-12/18	YF-CD-13/19	YF-CD-14/20
	Wave Runner GP1200R	2000-2002		CONCORD	YF-CD-13/19	YF-CD-13/19	YF-CD-14/20
	Wave Runner SUV1200	99-2004		CONCORD	YF-CD-12/18	YF-CD-12/18	
	Wave Runner XL1200	98-99		CONCORD	YD-CD-12/18	YD-CD-12/18	YD-CD-13/19
	Wave Runner GP1200	97-99		CONCORD	YD-CD-13/19	YD-CD-13/19	YD-CD-14/20
				X Props	YD-SC-X0(14.5-17.5)	YD-SC-X0(14.5-17.5)	YD-SC-XI(15.5-18.5)
	Wave Runner GP1200R	99		CONCORD	YD-CD-13/19	YD-CD-13/19	YD-CD-14/20
			X Props	YD-SC-X0(14.5-17.5)	YD-SC-X0(14.5-17.5)	YD-SC-XI(15.5-18.5)	
1052	FX High Output	2004-2008	155mm	DYNAFLY	YG-DF-14/20	YG-DF-14/20, YG-DF-15/22	YG-DF-15/22
	FX CRUISER High Output	2004-2008		DYNAFLY	YG-DF-14/20	YG-DF-14/20, YG-DF-15/22	YG-DF-15/22
	VX / VX sport / VX Deluxe / VX Crusier	2005~		CONCORD	YH-CD-18/22	YH-CD-18/22	
	V1 / V1 SPORT	2015~		CONCORD	YH-CD-18/22	YH-CD-18/22	
1100	Wave Raider 1100 / Wave Venture 1100	95-97	155mm	CONCORD	YD-CD-12/18	YD-CD-12/18	YD-CD-13/19
				X Props	YD-SC-X(13-16)	YD-SC-X(13-16)	YD-SC-X0(14.5-17.5)
				IJK SERIES	YD-SC-I(13-19)	YD-SC-I(13-19)	YD-SC-J(14-20)
998	FX-140 / FX / FX Cruiser	2003-2008	155mm	CONCORD	YF-CD-12/18	YF-CD-13/19	YF-CD-13/19
800	Wave Runner GP800R	2001-2005	155mm	CONCORD	YF-CD-11/14	YF-CD-11/14	
	Wave Runner XL800	2000-2004		CONCORD	YF-CD-11/14	YF-CD-11/14	
	Wave Runner GP800	98-2000	144mm	CONCORD	YB-CD-14/18	YB-CD-15/19	YB-CD-16/20
				X Props	YB-SC-X0(15.5-18.5)	YB-SC-X0(15.5-18.5)	YB-SC-XI(16-19)
				IJK SERIES	YB-SC-J(14.7-18.5)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)
				CONCORD	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
Wave Runner XL800	98-99	144mm	X Props	YB-SC-X(15-18)	YB-SC-X0(15.5-18.5)	YB-SC-XI(16-19)	
			IJK SERIES	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)	
760	Wave Runner GP760	97-2000	144mm	CONCORD	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	YB-SC-X(15-18)	YB-SC-X0(15.5-18.5)	YB-SC-XI(16-19)
				IJK SERIES	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)
	Wave Radier 760	95	144mm	IJK SERIES	YB-SC-I(14.5-18)	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)
	Wave Runner XL760 / Wave Venture 760	98-99	155mm	CONCORD	YD-CD-11/14	YD-CD-11/14	
				X Props	YD-SC-X(13-16)	YD-SC-X(13-16)	
				IJK SERIES	YD-SC-S(12-18.5)	YD-SC-S(12-18.5)	YD-SC-I(13-19)
	CONCORD			YD-CD-11/14	YD-CD-11/14		
Wave Blaster II	96-97	155mm	X Props	YD-SC-X(13-16)	YD-SC-X(13-16)		
			IJK SERIES	YD-SC-S(12-18.5)	YD-SC-S(12-18.5)	YD-SC-I(13-19)	
701	VX 700	2006~	155mm	CONCORD	YH-CD-11/14	YH-CD-11/14	
	Wave Raider 700 / Wave Deluxe / Venture	94-97	155mm	CONCORD	YB-CD-13/17	YB-CD-13/17,14/18(94-95)	YB-CD-14/18,15/19(94-95)
				X Props	YB-SC-X(15-18)	YB-SC-X0(15.5-18.5)	YB-SC-XI(16-19)
				IJK SERIES	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)	YB-SC-K(15-19)
	Wave Blaster / Wave Runner III GP / Pro VXR	93-97	144mm	CONCORD	YB-CD-13/17	YB-CD-13/17	YB-CD-14/18
		2008~	144mm	X Props	YB-SC-X(15-18)	YB-SC-X0(15.5-18.5)	YB-SC-XI(16-19)
				IJK SERIES	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)
				CONCORD	YQ-CD-12/18	YQ-CD-13/19	YQ-CD-13/19
	SuperJet	94-2007	144mm	CONCORD	YB-CD-13/17	YB-CD-13/17	YB-CD-14/18
				IJK SERIES	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)
Wave Runner XL700	99-2005	155mm	CONCORD	YD-CD-11/14	YD-CD-11/14		
650	Wave Runner III	90-97	144mm	IJK SERIES	YB-SC-S(14-17)	YB-SC-I(14-17)	YB-SC-J(14.7-18.5)
	SuperJet	90-93		IJK SERIES	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)	YB-SC-K(15-19)
	VXR	91-95		IJK SERIES	YB-SC-S(14-17)	YB-SC-I(14.5-18)	YB-SC-J(14.7-18.5)
	Wave Jammer 650 / LX 650	ALL		Tapered	ABC SERIES	YA-SC-A(13-18)	YA-SC-B(13-18)
500	Wave Runner 500 / Wave JAMMER 500	ALL	Tapered	ABC SERIES	YA-SC-A(13-18)	YA-SC-B(14-19)	YA-SC-B(14-19)

YAMAHA JETBOAT

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER	
				SERIES	STOCK ENGINE
1200	Exciter 135	98-2000	155mm	IJK SERIES	YD-SC-I(13-19)
1100(2)	Exciter 220	97-98	155mm	IJK SERIES	YD-SC-I(13-19)
1200(2)	Exciter 270	98-2000		X Props	YD-SC-X(13-16)
				IJK SERIES	YD-SC-I(13-19)
1200(2)	LS2000 / LX2000	1999-2002		CONCORD	YD-CD-12/18
				X Props	YD-SC-X(13-16)
1200(2)	LX210	2003-2005	155mm	CONCORD	YD-CD-12/18
				X Props	YD-SC-X(13-16)
1200(2)	AR210	2004-2005		CONCORD	YD-CD-12/18
				X Props	YD-SC-X(13-16)
1200(2)	XR1800	2000-2001		CONCORD	YF-CD-13/19
				X Props	YF-SC-X(13-16)
998(2)	SX 230 / SR 230 / AR 230	2004-2005	155mm	CONCORD	YF-CD-12/18
				X Props	YF-SC-X(13-16)
1052(2)	SX210 / AR210 / SR210	2006~		DYNAFLY	YG-DF-14/20
	SX230 / AR230 / SR 230	2006	155mm	CONCORD	YF-CD-13/19
	SX230 HO / AR230 HO / SR 230 HO	2005~		DYNAFLY	YG-DF-14/20

YAMAHA is registered trademark of Yamaha Corporation.



**YV-CD-13/20 for: FX SVHO / FX CRUISER SVHO
FZR / FZS**



Kawasaki Impellers

Kawasaki is registered trademark of Kawasaki Motors Corp. USA

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1498	ULTRA 310X/310X SE/310LX/310R	2014~	160mm	CONCORD	KR-CD-14/21	KR-CD-14/21,KR-CD-15/22	KR-CD-15/22
	ULTRA 300X / 300LX	2011~2014	160mm	CONCORD	KR-CD-14/21	KR-CD-14/21,KR-CD-15/22	KR-CD-15/22
	ULTRA 260X/260LX	2008~2010	160mm	CONCORD	KX-CD-15/23	KX-CD-15/23,KX-CD-16/24	KX-CD-16/24
	ULTRA 250X	2007~2008	155mm	CONCORD	KX-CD-15/23,KX-CD-16/21	KX-CD-15/23,KX-CD-16/24	KX-CD-16/24
	ULTRA LX	2007~	155mm	CONCORD	KX-CD-10/16	KX-CD-10/16	
1199	STX-15F	2004~	148mm	CONCORD	KG-CD-14/21	KG-CD-14/21	KG-CD-15/21
	STX-12F	2003~2007	148mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20
1176	ULTRA 150	99-2006	Tapered	DYNAFLY	KH-DF-16/20	KH-DF-16/20	KH-DF-17/21
	1200 STX-R	2002-2006	148mm	CONCORD	KG-CD-15/21	KG-CD-15/21	KG-CD-16/22
1071	1100 STX DI	2001-2003	148mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20
		X Props		KG-SC-X(16.5-24)	KG-SC-X(16.5-24)	KG-SC-X0(17-24.5)	
	1100 STX	97-98	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20	
		X Props	KG-SC-X(16.5-24)	KG-SC-X(16.5-24)	KG-SC-X0(17-24.5)		
1100 ZXi	96-2003	148mm	CONCORD	KG-CD-13/19	KG-CD-13/19	KG-CD-14/20	
		148mm	X Props	KG-SC-X(16.5-24)	KG-SC-X(16.5-24)	KG-SC-X0(17-24.5)	
891	900 STX	2001-2006	148mm	CONCORD	KG-CD-12/18	KG-CD-12/18	KG-CD-13/19
	900 STX / STS / ZXi	95-2000	140mm	X Props	KF-SC-X(18-23)	KF-SC-X0(18-23.5)	KF-SC-XI(19-25)
782	800 SX-R	2003~2011	140mm	IJK SERIES	KF-SC-I(16-21)	KF-SC-I(16-21)	KF-SC-J(17-22)
				DYNAFLY	KP-DF-13/22	KP-DF-14/23	KP-DF-14/23, 15/24
743	750 Sxi Pro	95-2002	140mm	CONCORD	KE-CD-09/15	KE-CD-11/16	KE-CD-11/16
				X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-X(14-21)
				IJK SERIES	KE-SC-S(13-18)	KE-SC-S(13-18)	KE-SC-I(14-19)
	750 STS	95-2001	CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18	
			X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)	
			IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)	
	750 Xi Sport	93-2000	CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18	
			X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)	
			IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)	
	750 ZXi	95-97	CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18	
			X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)	
			IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)	
	750 Xi	93-97	CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18	
			X Props	KE-SC-X(14-21)	KE-SC-X(14-21)	KE-SC-XI(16-23)	
			IJK SERIES	KE-SC-S(13-18)	KE-SC-I(14-19)	KE-SC-J(15-20)	
	750 SS	92-97	CONCORD	KE-CD-09/15	KE-CD-11/16	KE-CD-11/16	
			ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)	
			CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18	
	750 SXi	95-96	ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)	
			CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18	
CONCORD			KE-CD-11/16	KE-CD-12/18	KE-CD-12/18		
750 SX	92-96	IJK SERIES	KE-SC-I(14-19)	KE-SC-J(15-20)	KE-SC-J(15-20)		
		ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)		
		CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18		
750 XiR	94	IJK SERIES	KE-SC-I(14-19)	KE-SC-J(15-20)	KE-SC-J(15-20)		
		ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)		
		CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18		
750 ST	93-95	CONCORD	KE-CD-11/16	KE-CD-12/18	KE-CD-12/18		
		IJK SERIES	KE-SC-I(14-19)	KE-SC-J(15-20)	KE-SC-J(15-20)		
		ABC SERIES	KE-SC-A(13-18)	KE-SC-B(14-19)	KE-SC-C(15-20)		
635	650 TS / 650 SX	87-98	140mm	IJK SERIES	KA-SC-I(13-18)	KA-SC-I(13-18)	KA-SC-J(14-19)
				ABC SERIES	KA-SC-A(13-18)	KA-SC-B(14-19)	KA-SC-C(15-20)
	650 X-2 / 650JM	91-96		IJK SERIES	KA-SC-I(13-18)	KA-SC-I(13-18)	KA-SC-J(14-19)
550	550 SX	90-96	Tapered	ABC SERIES	KD-SC-A(13-18)	KD-SC-B(14-19)	KD-SC-B(14-19)
	550 JS	82-89	ABC SERIES	KB-SC-A(13-18)	KB-SC-B(14-19)	KB-SC-B(14-19)	
440	440 JS	77-94	121mm	ABC SERIES	KC-SC-A(13-18)	KC-SC-B(14-19)	KC-SC-B(14-19)

Note: KG-CD-14/21 is the recommended impeller for KAWASAKI STX 15F (4-STROKE).



HONDA Impellers

Honda is registered trademark of Honda Motors Co., Inc.

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1235	R-12X	2004-2007	155mm	CONCORD	HA-CD-17/29	HA-CD-17/29	HA-CD-18/30
	F-12X / F-12X GPScape	2002~		CONCORD	HA-CD-17/29	HA-CD-17/29	HA-CD-18/30
1235	R-12	2004-2004		CONCORD	HA-CD-09/18	HA-CD-09/18	
	F-12	2002-2004		CONCORD	HA-CD-09/18	HA-CD-09/18	



POLARIS Impellers

Polaris is registered trademark of Polaris Industries Inc.

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
750	MSX 150	2003-2004	148mm	CONCORD	PA-CD-13/19	PA-CD-13/19	PA-CD-14/20
	MSX 110	2003-2004		CONCORD	PA-CD-12/18	PA-CD-12/18	PA-CD-12/18
1192	MSX 140	2003-2004	148mm	CONCORD	PA-CD-15/21	PA-CD-15/21	PA-CD-16/22
1165	Pro 1200	2000-2002	148mm	CONCORD	PA-CD-15/21	PA-CD-16/22	PA-CD-16/22
				X props	PA-SC-X0(16.5-23)	PA-SC-XI(17-24)	
	IJK SERIES	PA-SC-I(15-24)					
	CONCORD	PA-CD-15/21		PA-CD-16/22	PA-CD-16/22		
	X props	PA-SC-X0(16.5-23)		PA-SC-XI(17-24)			
	IJK SERIES	PA-SC-I(15-24)		PA-SC-I(15-24)			
	Genesis FFI,	2000		X props	PA-SC-X0(16.5-23)	PA-SC-XI(17-24)	
	Genesis / Genesis i	99-2004		IJK SERIES	PA-SC-I(15-24)	PA-SC-I(15-24)	
1050	SL / SLX / SLXH / SLTX 1050	97-98	148mm	CONCORD	PA-CD-14/20	PA-CD-15/21	PA-CD-15/21
				X props	PA-SC-X(14-21)	PA-SC-X0(16.5-23)	PA-SC-X0(16.5-23)
				IJK SERIES	PA-SC-S(14-23)	PA-SC-I(15-24)	PA-SC-I(15-24)
900	SL900	96-97	148mm	CONCORD	PA-CD-13/19	PA-CD-14/20	PA-CD-14/20
				X props	PA-SC-X(14-21)	PA-SC-X0(16.5-23)	PA-SC-X0(16.5-23)
779	SLX Pro 785 / SL780 / SLT 780	96-2001	148mm	IJK SERIES	PA-SC-S(14-23)	PA-SC-I(15-24)	PA-SC-I(15-24)
				CONCORD	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20
777	VIRAGE I OCTANE	2002-2204	148mm	CONCORD	PA-CD-12/18	PA-CD-13/19	PA-CD-13/19
		2002-2004		CONCORD	PF-CD-15/23	PF-CD-16/24	PF-CD-16/24
744	SL 750 / SLT 750 / SL750	94-95	148mm	CONCORD	PA-CD-12/18	PA-CD-12/18	PA-CD-13/19
				IJK SERIES	PA-SC-S(14-23)	PA-SC-S(14-23)	
700	VIRAGE / FREEDOM	2000-2004	148mm	CONCORD	PA-CD-12/18	PA-CD-12/18	PA-CD-13/19
				IJK SERIES	PA-SC-S(14-23)	PA-SC-S(14-23)	
	SLH	98-2001		CONCORD	PA-CD-12/18	PA-CD-12/18	PA-CD-13/19
				IJK SERIES	PA-SC-S(14-23)	PA-SC-S(14-23)	
	SL 700DLX / SL700 / Hurricane	96-97		CONCORD	PA-CD-12/18	PA-CD-12/18	PA-CD-13/19
IJK SERIES	PA-SC-S(14-23)	PA-SC-S(14-23)					

TIGERSHARK Impellers

TIGERSHARK is registered trademark of Tigershark Co., Inc.

Engine cc	Model	Year	PUMP Diameter	RECOMMENDED SOLAS IMPELLER			
				SERIES	STOCK Engine	LIMITED Engine	MODIFIED Engine
1100	TS 1100R / TS 1100LI	99	148mm	CONCORD	PA-CD-14/20	PA-CD-14/20	PA-CD-15/21
	TS 1000L / TS 1000R	98-99	146mm	IJK Series	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)	TB-SC-K(16-21)
TS 1000R	98	IJK Series		TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)	TB-SC-K(16-21)	
999	Daytona 1000R	98		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)	TB-SC-K(16-21)
	Daytona 1000	97		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)	TB-SC-K(16-21)
	Monte Carlo 1000	97		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-K(16-21)
896	Monte Carlo 900	96	146mm	IJK Series	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)	TB-SC-K(16-21)
768	TS 770R / TS 770R	98-99	146mm	IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)
	TS 770	98-99		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)
	Daytona 770R / 770	98		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)
	Monte Carlo 770	96-97		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)
639	TS 640/640L	98-99	146mm	IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)
	Montego	97~		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)
	Montego Deluxe	96-97		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)
	Monte Carlo 640	96-97		IJK Series	TB-SC-I(15.5-19.5)	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)
	Daytona 640	94-95	142mm	IJK Series	TA-SC-I(14.5-18)	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)
	Montego	94-96		IJK Series	TA-SC-I(14.5-18)	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)
	Montego Deluxe	95-97		IJK Series	TA-SC-I(14.5-18)	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)
	Monte Carlo 640	94-95		IJK Series	TA-SC-I(14.5-18)	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)
	Barracuda	94-95		IJK Series	TA-SC-I(14.5-18)	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)
		94-95		IJK Series	TA-SC-I(14.5-18)	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)



TWIN IMPELLERS

RECOMMENDED FOR PERFORMANCE USE



SEA DOO is a registered trademark of Bombardier Recreational Products Inc.



SRZ-TP-15/21A

for

- RXP-X 260 2012~
- RXT IS 260 / RXT-X 260 2009~
- RXT 260 / RXT-X aS260 2009~
- GTX LTD IS 255 2009~
- GTX LTD IS 260 2009~
- RXP-X 255 2009~



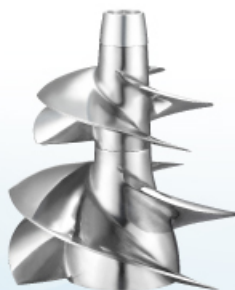
YAMAHA is a registered trademark of Yamaha Corporation.



YS-TP-14/23

for

FZR / FZS 2008-2013 (155mm)



YV-TP-12/20






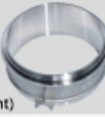

for

**FX SVHO / FX CRUISER SVHO 2014
FZR/FZS 2014~**



Jet Pump

SEA DOO is a registered trademark of Bombardier Recreational Products Inc.

Engine cc	Model	Year	IMPELLER APPLICATION	RECOMMENDED SOLAS PUMP
1494	RXP-X 260	2012-	SOLAS SRZ CONCORD	NEW! SRZ-PM-159/83 14 VANE Diameter = 159mm Hub size = 83mm 
	RXT IS 260 / RXT-X 260	2009~		
	GTX LIMITED IS 260	2009~		
1494	GTX 4-tech Limited Supercharge(185HP)	2003-2004	SOLAS SR CONCORD	SR-HSV-155/83 10 VANE Diameter = 155mm Hub size = 83mm 
	GTX 4-tech Supercharge(185HP)	2003-2006		
	GTS SE 155/ RXP(155HP)	2007~		
	GTX 4-tech / GTX wake	2002~		
	GTI/ GTI SE 130	2006~		
1494	RXP-X	2009~	SOLAS SRX IMPELLER	 SRX-HS-159-002 Diameter = 159mm (Original Wear Ring Replacement)
	RXT-X	2009~		
	RXP(215HP)	2009~		
	RXT(215HP)	2009~		
	GTX Limited(215HP)	2009~		
	WAKE SUPERCHARGED(215HP)	2009~		
	RXP-X	2008		
	RXT-X	2008		
	RXP(215HP)	2004-		
	RXT(215HP)	2005-		
	GTX Limited(215HP)	2005-		
	WAKE SUPERCHARGED(215HP)	2007-		
	GTX 4-tech Limited Supercharge(185HP)	2003-2004		
	GTX 4-tech Supercharge(185HP)	2003-2006		
	GTS SE 155/ RXP(155HP)	2007-		
GTX / GTX 4-tech / GTX wake(155HP)	2002-			
GTI / GTI SE 130	2006-			
951	RXX	2001-2002	SOLAS ST CONCORD	ST-HSV-155/83 8 VANE Diameter = 155mm Hub size = 83mm 
	XP / XP DI	2000-2004		
	RX / RX DI	2000-2003		
	GTX/GTX DI	2000-2003		
	GSX Ltd. / GTX Ltd. / XP Ltd.	98-99		
	LRV / LRV DI	99-2003		
782	3D / 3D BASE	2005-2007	SOLAS SR IMPELLER	 SR-HS-156-001 Diameter = 156mm (Original Wear Ring Replacement)
	720	GTI / GTI LE / GTI RFI GTS		
900	SPARK	2014-	SOLAS SK IMPELLER	 SK-HS-140 Diameter = 140mm (Original Wear Ring Replacement)
782	GSX RFI / GTX RFI	99-2000	SOLAS SD IMPELLERS	 SD-PM-140/60 6 VANE Diameter = 140mm Hub size = 60mm
	XP / SPX / GSX	96-98		
	GTX / GTX PRO	96-98		
720	GS	2000-2001		
	GTI / GTI LE / GTI RFI	2001-2005		
	GTS	2001-2002		
	XP / SPX	95-97		
	GS / GSI	97-99		
650	GTI / GTS	96-2000		
	HX	95~		
	XP	93-94		
	SPX	94-95		
	GSX	94-95		
580	GTX	94-95		
	XP	91-92		
	SPX	93		
	SPI	93-96		
	SP	88-96		
	GSX	92-93		
	GTX	92-93		
GTS	92-96			
GT	90-91			

YAMAHA Jet Pump

YAMAHA is registered trademark of Yamaha Corporation.

Engine cc	Model	Year	IMPELLER APPLICATION	RECOMMENDED SOLAS PUMP
701	SUPERJET	2008~	YRS-CD-12/18 YRS-CD-13/19 YRS-CD-14/20	NEW! YRS-HS-148 Diameter = 148mm 
			YRS-CD-12/18 YRS-CD-13/19 YRS-CD-14/20	NEW! YRS-SV-148/74 12 VANE Diameter = 148mm Hub size = 74mm 
1812	FX SVHO / FX CRUISER SVHO/FZR/FZS	2014~	SOLAS YV Impeller	YVS-SV-160/74 12 VANE Diameter = 160mm Hub size = 74mm 
1812	FX SVHO / FX CRUISER SVHO/FZR/FZS	2014~	SOLAS YV Impeller	YVS-HS-160 Diameter = 160mm 
1812	FZR SHO / FZS SHO FX SHO / FX CRUISER SHO	2008-		YSS-SV-160/74 12 VANE Diameter = 160mm Hub size = 74mm (For 160mm impeller only) 
1812	FZR SHO / FZS SHO FX SHO / FX CRUISER SHO	2008-		YVS-HS-160 Diameter = 160mm (For 160mm impeller only) 
1812	FZR SHO / FZS SHO	2008~	SOLAS YF IMPELLER	 YFS-HS-155 Diameter = 155mm
	FX SHO / FX CRUISER SHO	2008~		
VXR/ VXS	2011~			
FX HO / FX CRUISER HO	2009~			
1052	FX High Output	2004-2008		
	FX CRUISER High Output	2004-2008		
998	FX-140 / FX Cruiser	2003-2008		
1300	Wave Runner GP1300R	2003-2008		
	Wave Runner XLT 1200	99-2005		
1200	Wave Runner GP1200R	2000-2002		
	Wave Runner SUV1200	99-2003		
800	Wave Runner XL1200	98-99		
	Wave Runner GP800R	2001-2005		
1200	Wave Runner XL800	2000-2004		
	Wave Runner GP1200	97-99		
	Wave Runner GP1200R	99		
1100	Wave Raider 1100 / Wave Venture 1100	95-97	SOLAS YD IMPELLER	 YDS-HS-155 Diameter = 155mm
760	Wave Runner XL760 / Wave Venture 760	98-99		
	Wave Blaster II	96-97		
701	Wave Runner XL700	99-2005		

The impeller is an optional part.



YAMAHA Jet Pump

YAMAHA is registered trademark of Yamaha Corporation.


Engine cc	Model	Year	IMPELLER APPLICATION	RECOMMENDED SOLAS PUMP
800	Wave Runner GP800	98-2000	SOLAS YB IMPELLER	 YBS-HS-144 Diameter = 144mm
	Wave Runner XL800	98-99		
760	Wave Runner GP760	97-2000		
	Wave Radler 760	96		
701	Wave Raider 700 / Wave Deluxe / Venture	94-97		
	Wave Blaster / Wave Runner GP700 / Pro VXF	93-97		
	SuperJet	94-2007		
	SuperJet	2008~	SOLAS YQ IMPELLER	
701	SuperJet	2008~	SOLAS YQ IMPELLER	 YQS-PM-144/74T 12 VANE Diameter = 144mm Hub size = 74mm
701	SuperJet	2008~	SOLAS YQ IMPELLER	 YQS-SV-144/74 12 VANE Diameter = 144mm Hub size = 74mm

Kawasaki Jet Pump

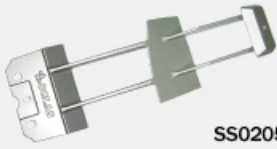
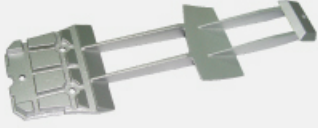
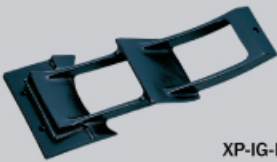
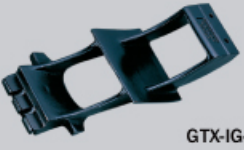


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Engine cc	Model	Year	IMPELLER APPLICATION	RECOMMENDED SOLAS PUMP
1498	STX-15F	2004~	SOLAS KG CONCORD	 KGS-HSV-148/74 12 VANE Diameter = 148mm Hub size = 74mm
1199	STX-12F	2003-2009		
1176	1200 STX-R	2002-2006		
	1100 STX DI	2001-2003		
1071	1100 STX	97-98		
	1100 ZXi	96-2003		
891	900 STX	2003-2006		
782	800 SX-R	2003~	SOLAS KP DYNAFLY	 KPS-PM-140/74T (12 VANE WITH TRIM SYSTEM) Diameter = 140mm Hub size = 74mm



Hydrospace Hydrospace is registered trade mark of Hydrospace Group.

Engine cc	Model	Year	IMPELLER APPLICATION	RECOMMENDED SOLAS PUMP
749	Hydrospace HSR S4	2004	SOLAS KP CONCORD	 HS-PM-140/74T 12 VANE Diameter = 140mm Hub size = 74mm

SEA DOO Intake Grates

Engine cc	Model	Year	INTAKE GRATE
1494	RXP(215HP)	2004~	 SS0205
	RXT	2005~	 SS0206
	GTX	2004~	
	GTX DI	2002~03	
951	RXX	2001-2002	 XP-IG-B
	XP/XP DI	2000-2004	
782	XP Ltd.	98-99	
	RX / RX DI	2000-2003	
720	GTI/GTI LE/GTI RFI	2001-2005	
951	GTS	2001-2002	
	GTX Ltd.	98-99	
	GTX/GTX DI	2000-2001	
	GSX Ltd.	98-99	
	LRV / LRV DI	99-2003	
782	GSX Ltd.	97	 GTX-IG-B
	GSX RFI	99-2000	
	GTX RFI	99-2002	
720	GTX PRO	98	 SD-IG-B
	GSX	96-98	
650	GS	98-2001	 SD-IG-B
	GTI	98-2000	
	XP	95-96	
	SPX	97-98	
	XP	95	
	SPX	96	
	SPX	97	
	GS	97	
	GSI	97-98	
	GTI	96-97	
	GTS	97-2000	
	HX	95~	
	XP	93-94	
	SPX	94-95	
GSX	94-95		
GTX	94-95		
XP	91-92		
SPX	93		
SPI	93-96		
SP	88-96		
GSX	92-93		
GTX	92-93		
GTS	92-96		
GT	90-91		

 **YAMAHA** Intake Grates

Engine cc	Model	Year	INTAKE GRATE
1052	FX High Output	2004-07	 SY0303
	FX CRUISER High Output	2004-07	
701	Wave Blaster	93-97	 YB-IG-B
	Superjet	94~	

YAMAHA is registered trademark of Yamaha Corporation.

Kawasaki Intake Grates

Engine cc	Model	Year	INTAKE GRATE
1176	ULTRA 150	99-2006	 KH-IG-B
1071	ULTRA 130 DI	2001-2006	
750	750 SX	92-96	 KE-IG-B
	750 SXi	95-96	
	750 XIR	94	


kawasaki is registered trademark of Kawasaki Motors Corp, USA

HONDA Intake Grates

Engine cc	Model	Year	INTAKE GRATE
1235 Turbo	F-12X	2002-2007	 HW1-IG-B
1235	F-12	2002-2007	

Honda is registered trademark of Honda Motors Co., Inc.

POLARIS Intake Grates

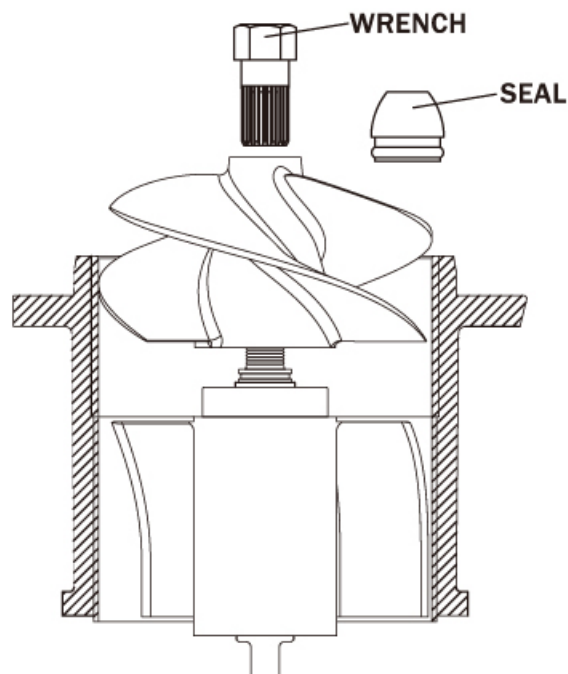
Engine cc	Model	Year	INTAKE GRATE
1165	Pro 1200	2000-2002	 PL-IG-B
	VIRAGE TX	2000-2002	
	VIRAGE TXI	2001-2002	
1050	SL 1050	97	
	SLX 1050	99	
	SLXH 1050	98	
	SLTX	96-98	
900	SL900	96-97	
	SLX Pro 785	96-2001	
779	SL 780	96-97	
	SLT 780	96-97	
777	VIRAGE I	2002-2004	
	SL 750	94-95	
744	SLT 750	94-95	
	SL750	93	
700	VIRAGE	2000-2004	
	SLH	98-2001	
	SL 700DLX	97	
	SL 700	96-97	
	Hurricane	96-97	

Polaris is registered trademark of Polaris Industries Inc.



SEA DOO is registered trademark of Bombardier Recreational Products Inc.

Impeller Accessories & Installation Guide



1. Remove and separate the whole jet pump from the PWC.
2. Remove the trail cone (or cap) from the stator.
3. Hold the rear end of the shaft with a bench vise.
Remove the impeller with an impeller wrench (optional part).
Turning counter clockwise will loosen the impeller.
4. Visually inspect thread on shaft & impeller for debris or damage. Apply grease or anti-seize on the thread before installation.
5. Screw in the impeller by hand; please be careful of the sharp edges of the impeller. Tighten with the impeller wrench. If the impeller feels too tight or not threaded properly, unscrew the impeller, clean and check the thread.
6. Assemble the pump and refill O/E pump oil or grease to spec.

SEA DOO		
Impeller Series	Wrench	Seal
SD Super Camber (ABC Series)	 optional part	
	WR001	SL007
SD Super Camber (UK Series)	 optional part	
	WR001	SL007
SD, ST Xprop Series	 optional part	
	WR001	SL007
SD, SF, ST Concord Series ST DynaFly Series	 optional part	
	WR001	SL007
SK Concord Series	 optional part	
	WR001	SL009
SR Concord Series	 optional part	  SLA011 SLA011A
	WR011	SLA011 (For shaft 24mm) SLA011A (For shaft 27mm)
SRB SRZ SRX Concord Series	 optional part	
	WR012	SLA012

* Some of wrenches are the optional part. You can buy them from SOLAS local dealer.

*** For SLA012 Seal, be sure to tighten it by hand tool.**

* This installation guide is suggested for reference only.

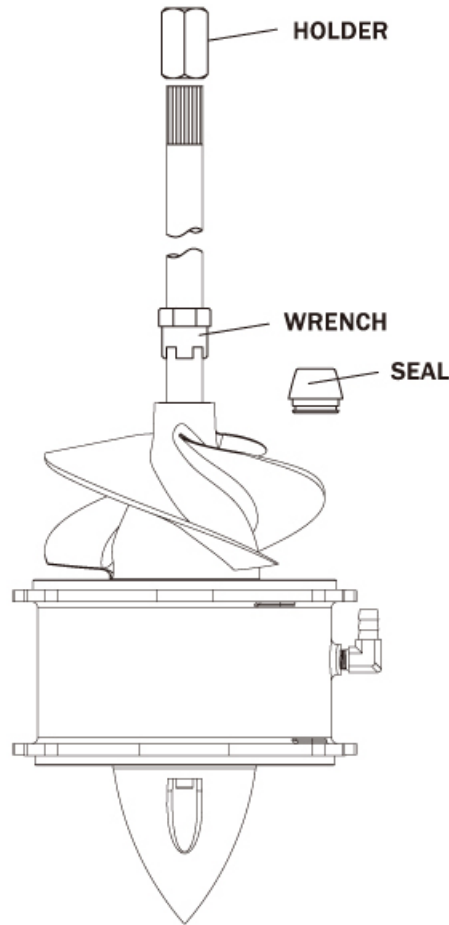
(Please refer to your original service manual or contact your PWC Dealer for detail.)



YAMAHA

Impeller Accessories & Installation Guide

YAMAHA is registered trademark of Yamaha Corporation.



1. Remove and separate the whole jet pump from the PWC.
2. Hold the front end of the drive shaft with a shaft holder (optional part) on bench vise.
3. Remove the impeller (a free impeller wrench is included when purchase a new SOLAS Impeller) .Turning clockwise will loosen the impeller.
4. Visually inspect thread on shaft & impeller for debris or damage. Apply grease or anti-seize on the thread before installation.
5. Screw in the impeller by hand; please be careful of the sharp edges of the impeller. Tighten with the impeller wrench. If the impeller feels too tight or not threaded properly, unscrew the impeller, clean and check the thread.
6. Assemble the pump and refill O/E pump oil or grease to spec.

*Some of holders are the optional part. You can buy them from SOLAS local dealer.
 * This installation guide is suggested for reference only. (Please refer to your original service manual or contact your PWC Dealer for detail.)

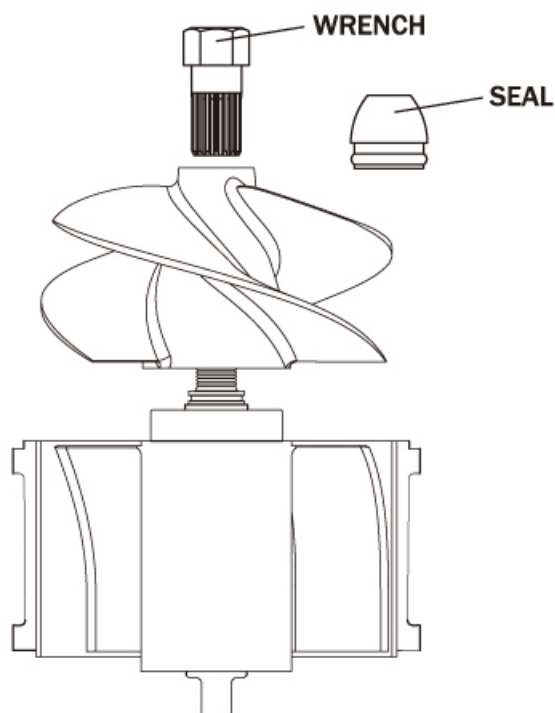
YAMAHA			
Impeller Series	Wrench	HOLDER	Seal
YA Super Camber(ABC Series)		 optional part	
	WR003	WR003H	SL003
YB Super Camber (IJK Series) Xprop Series Concord Series		 optional part	
	WR004	WR004H	SLA008(For shaft 18mm) SL008A(For shaft 15mm)
YD Super Camber (IJK Series) Xprop Series		 optional part	
	WR004	WR004H	SLA008
YD Concord Series		 optional part	
	WR007	WR004H	SLA009A
YF Concord Series Xprop Series YG Dynaflly Series		 optional part	
	WR007	WR007H	SLA009
YQ Concord Series		 optional part	
	WR007	WR007H	SL007 SL009
YS Dynaflly Series YV Concord Series		 optional part	
	WR014	WR014H	SLA014
YS Concord Series		 optional part	
	WR014	WR014H	SLA016
YV-TP YS-TP Concord Series		 optional part	
	WR015	WR014H	SLA016



YAMAHA

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Impeller Accessories & Installation Guide



YAMAHA		
Impeller Series	Wrench	Seal
YH Concord Series	 optional part	
	WR001	SLA009

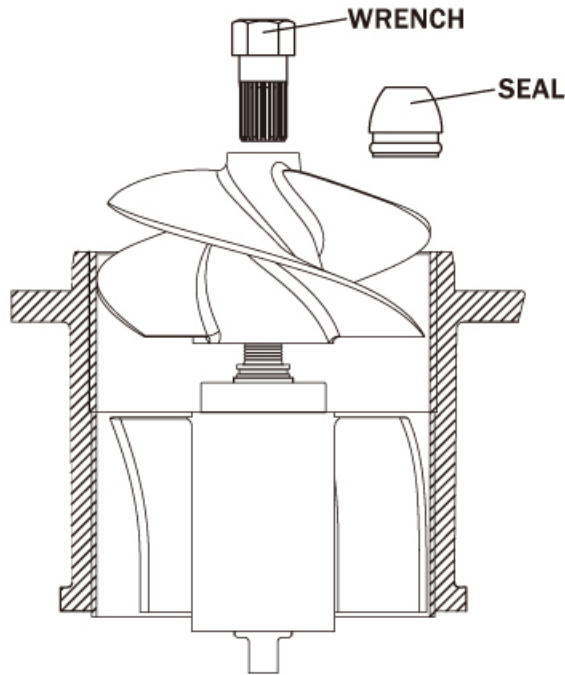
* Some of wrenches are the optional part. You can buy them from SOLAS local dealer.

1. Remove and separate the whole jet pump from the PWC.
2. Remove the trail cone (or cap) from the stator.
3. Hold the rear end of the shaft with a bench vise. Remove the impeller with an impeller wrench (optional part) . Turning counter clockwise will loosen the impeller.
4. Visually inspect thread on shaft & impeller for debris or damage. Apply grease or anti-seize on the thread before installation.
5. Screw in the impeller by hand; please be careful of the sharp edges of the impeller. Tighten with the impeller wrench. If the impeller feels too tight or not threaded properly, unscrew the impeller, clean and check the thread.
6. Assemble the pump and put it back on the PWC.

* This installation guide is suggested for reference only.
(Please refer to your original service manual or contact your PWC Dealer for detail.)

Kawasaki Impeller Accessories & Installation Guide

kawasaki is registered trademark of Kawasaki Motors Corp. USA



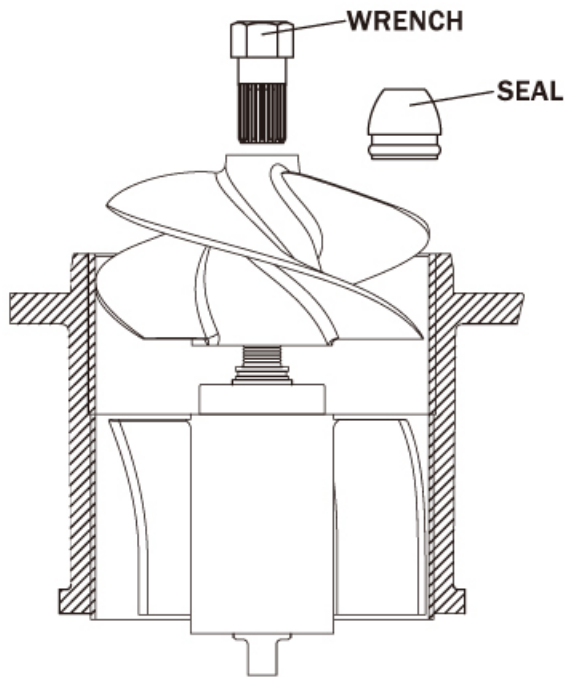
1. Remove and separate the whole jet pump from the PWC.
2. Remove the trail cone (or cap) from the stator.
3. Hold the rear end of the shaft with a bench vise.
Remove the impeller with an impeller wrench (optional part).
Turning counter clockwise will loosen the impeller.
4. Visually inspect thread on shaft & impeller for debris or damage. Apply grease or anti-seize on the thread before installation.
5. Screw in the impeller by hand; please be careful of the sharp edges of the impeller. Tighten with the impeller wrench. If the impeller feels too tight or not threaded properly, unscrew the impeller, clean and check the thread.
6. Assemble the pump and put it back on the PWC.

* Some of wrenches and seals are the optional part. You can buy them from SOLAS local dealer.

* This installation guide is suggested for reference only.
(Please refer to your original service manual or contact your PWC Dealer for detail.)

KAWASAKI		
Impeller Series	Wrench	Seal
KA Super Camber(ABC Series) Super Camber(UK Series)	 optional part WR001	 SLA009
KB Super Camber(ABC Series)	 WR002	 SL002
KC Super Camber(ABC Series)	 optional part WR005	ORIGINAL
KD Super Camber(ABC Series)	 optional part WR001	 SLA009
KE Super Camber(ABC Series) Super Camber(UJK Series) Xprop Series, Concord Series	 optional part WR001	 SLA009
KP Concord Series, Dynafly Series	 optional part WR001	 SLA009
KF Super Camber (UJK Series) Xprop Series	 optional part WR001	 SLA009
KG Xprop Series Concord Series	 optional part WR001	 SLA009
KX Concord Series	 optional part WR001	 SLA009
KH Dynafly Series	 optional part WR001	 SL007
KR Concord Series	 optional part WR001	 SL009 SLA009

TIGERSHARK Impeller Accessories & Installation Guide



1. Remove and separate the whole jet pump from the PWC.
2. Remove the trail cone (or cap) from the stator.
3. Hold the rear end of the shaft with a bench vise.
Remove the impeller with an impeller wrench (optional part).
Turning counter clockwise will loosen the impeller.
4. Visually inspect thread on shaft & impeller for debris or damage. Apply grease or anti-seize on the thread before installation.
5. Screw in the impeller by hand; please be careful of the sharp edges of the impeller. Tighten with the impeller wrench. If the impeller feels too tight or not threaded properly, unscrew the impeller, clean and check the thread.
6. Assemble the pump and put it back on the PWC.

HONDA		
Impeller Series	Wrench	Seal
HA Concord Series	 optional part	
	WR001	SLA010
POLARIS		
Impeller Series	Wrench	Seal
PL Super Camber (ABC Series) Super Camber (JK Series)	 optional part	
	WR006	SL006
PA Super Camber (ABC Series) Super Camber (JK Series) Xprop Series Concord Series	 optional part	 SL006 SL012
	WR006	SL006, SL012
PF Concord Series	 optional part	
	WR006	SL009
TIGER SHARK		
Impeller Series	Wrench	Seal
TA Super Camber (JK Series)		ORIGINAL
TB Super Camber (JK Series) Xprop Series	 optional part	
	WR006	SL009

*Some of wrenches and seals are the optional part. You can buy them from SOLAS local dealer.

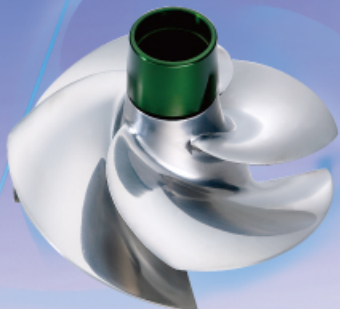
* This installation guide is suggested for reference only.
(Please refer to your original service manual or contact your PWC Dealer for detail.)

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