



# 2021

## PWC CATALOG

IMPELLER  
JET PUMP  
INTAKE GRATE

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**SOLAS®**



 **SOLAS**  
[www.solas.com](http://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.





## 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

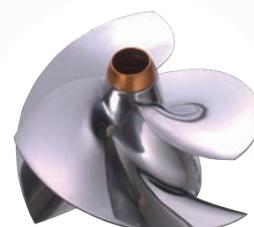
With features like a large blade area and a unique geometric blade design, the SOLAS Concord Impeller delivers remarkable thrust and extraordinary efficiency. As four stroke technology becomes mainstream in the PWC world, the Concord design truly enhances the engine characteristics, not only delivering 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.



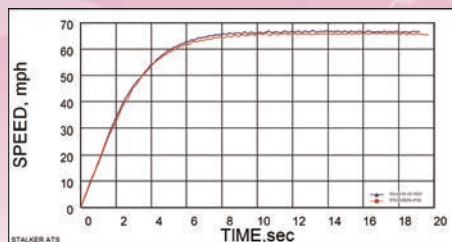
YA-SC-A



SD-SC-B

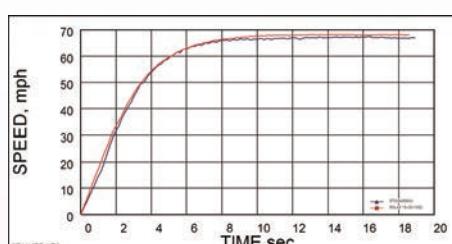
# TECH NEWS

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



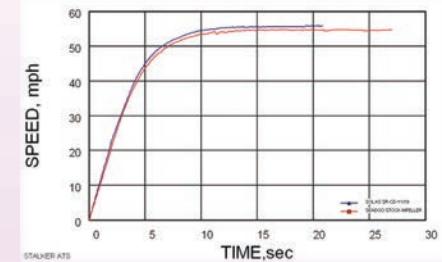
The SOLAS KX-CD-15/23 and KX-CD-16/24 deliver more power and stronger acceleration for the 4-stroke KAWASAKI ULTRA 260X/260LX; ULTRA 250X, the SOLAS impeller offers even more acceleration and a much better top end performance.

## ❖ 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 Hight 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.



**KGX-HSV-148/74**  
for KAWASAKI



**KGX-PM-148/74T**  
for KAWASAKI

## 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.



**SX-HS-161**  
for SEADOO



**YRS-SV-148/74**  
for YAMAHA



**YQS-SV-144/74**  
for YAMAHA



**YVS-HS-160**  
for YAMAHA



**SX-PM161/83**  
for SEADOO



**SK-SV-140/75**  
for SEADOO

☀ Check P.19 ~ P.21 for detailed applications.

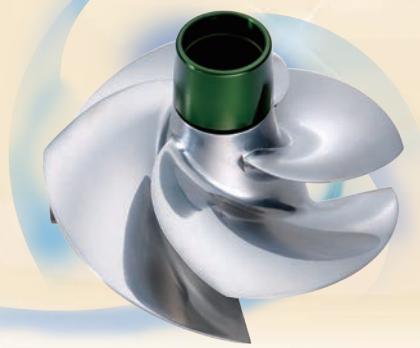


## Intake Grates -- Ensure Maximum Flow

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.





## 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 a registered trademark of Bombardier Recreational Products Inc.

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *			
1630	RXP-X 300 / RXT-X 300 / GTX LIMITED 300	2016~	161mm	CONCORD	3	SXX-CD-13/18	SXX-CD-13/16	SXX-CD-14/19		
		2016~		CONCORD	4	SX4-CD-13/16	SX4-CD-11/16			
	GTR 230 / GTX230 / WAKE PRO 230	2020~		CONCORD	4	SX4-CD-11/16	SX4-CD-13/16			
	GTI 130 / GTI SE 130 / GTI SE 170 / GTX 170 / WAKE 170 / FISH PRO 170	2020~		CONCORD	4	SR-CD-10/18	SR-CD-11/19	SR-CD-12/20	SR-CD-13/21	
1494	RXT-230/GTX-230	2019	159mm	CONCORD	4	SX4-CD-11/16	SX4-CD-13/16			
	GTR 230/GTR-X 230	2017-2019		CONCORD	4	SX4-CD-11/16	SX4-CD-13/16			
	WAKE PRO 230hp	2019		CONCORD	3	SXX-CD-13/18	SXX-CD-13/16	SXX-CD-14/19		
	RXT IS 260 / RXT-X 260 / RXT 260 / RXT-X aS260	2009~		CONCORD	4	SRZ-CD-15/21A	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A	SRZ-CD-16/21A
	GTX LTD IS 255 / GTX LTD IS 260	2009~		CONCORD	4	SRZ-CD-15/21A	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A	SRZ-CD-16/21A
	RXP-X 255 / RXP-X 260	2009~2015		CONCORD	4	SRZ-CD-15/21A	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A	SRZ-CD-16/21A
	RXP(215HP)	2009~2010		CONCORD	4	SRZ-CD-14/19A	SRZ-CD-13/18A	SRZ-CD-15/20A	SRZ-CD-15/21A	SRZ-CD-16/21A
	RXT(215HP)	2009~2010		CONCORD	4	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A	SRZ-CD-15/21A	SRZ-CD-16/21A
	WAKE PRO(215hp)/ WAKE PRO(230hp)	2009~2018		CONCORD	4	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A	SRZ-CD-15/21A	SRZ-CD-16/21A
	GTX 215 / GTX IS 215 / GTX LTD 215 / GTX LTD 230	2009~2018		CONCORD	4	SRZ-CD-13/18A	SRZ-CD-14/19A	SRZ-CD-15/20A	SRZ-CD-15/21A	SRZ-CD-16/21A
	GTR(215HP)	2012-2016		CONCORD	4	SRZ-CD-14/19A	SRZ-CD-13/18A	SRZ-CD-15/20A	SRZ-CD-15/21A	SRZ-CD-16/21A
	RXP-X	2008		CONCORD	4	SRX-CD-15/21	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20	SRX-CD-16/21
	RXT-X	2008		CONCORD	4	SRX-CD-14/19	SRX-CD-13/18	SRX-CD-15/20	SRX-CD-15/21	SRX-CD-16/21
	RXP(215HP)	2004-2009		CONCORD	4	SRX-CD-14/19	SRX-CD-13/18	SRX-CD-15/20	SRX-CD-15/21	SRX-CD-16/21
	RXT(215HP)	2005-2009		CONCORD	4	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20	SRX-CD-15/21	SRX-CD-16/21
	GTX Limited(215HP)	2005-2009		CONCORD	4	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20	SRX-CD-15/21	SRX-CD-16/21
	WAKE SUPERCHARGED(215HP)	2007-2016		CONCORD	4	SRX-CD-13/18	SRX-CD-14/19	SRX-CD-15/20	SRX-CD-15/21	SRX-CD-16/21
	GTX 4-tech Limited Supercharge(185HP)	2003-2004	155.5mm	CONCORD	4	SR-CD-12/20	SR-CD-10/18	SR-CD-11/19	SR-CD-13/21	
	GTX 4-tech Supercharge(185HP)	2003-2006		CONCORD	4	SR-CD-12/20	SR-CD-10/18	SR-CD-11/19	SR-CD-13/21	
	RXP(155HP)	2007-2008		CONCORD	4	SR-CD-11/19	SR-CD-10/18	SR-CD-12/20	SR-CD-13/21	
	GTS 130 / GTS PRO 130	2011-2016		CONCORD	4	SR-CD-11/19	SR-CD-10/18	SR-CD-12/20	SR-CD-13/21	
	wake(155HP)	2008-2019		CONCORD	4	SR-CD-11/19	SR-CD-10/18	SR-CD-12/20	SR-CD-13/21	
	GTX 155	2002-2009		CONCORD	4	SR-CD-11/19	SR-CD-10/18	SR-CD-12/20	SR-CD-13/21	
	GTX 155	2018		CONCORD	4	SR-CD-11/19	SR-CD-10/18	SR-CD-12/20	SR-CD-13/21	
	GTX 155 / GTX S 155	2010-2017		CONCORD	4	SRB-CD-11/19				
	GTI LTD 155 / GTI SE 155	2008-2019		CONCORD	4	SR-CD-10/18	SR-CD-11/19	SR-CD-12/20	SR-CD-13/21	
	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	2006-2019		CONCORD	4	SR-CD-10/18	SR-CD-11/19	SR-CD-12/20	SR-CD-13/21	
951	RXX	2001-2002	155.5mm	CONCORD	3	KG-CD-15/21	KG-CD-14/21	KG-CD-16/22		
	XP / XP DI	2000-2004		CONCORD	3	ST-CD-15/20	ST-CD-10/16	ST-CD-14/19	ST-CD-16/21	ST-CD-17/22
	RX / RX DI	2000-2003		DYNAFLY	3	ST-DF-13/19	ST-DF-12/18	ST-DF-14/20		
	GTX/GTX DI	2000-2003		CONCORD	3	ST-CD-15/20	ST-CD-10/16	ST-CD-14/19	ST-CD-16/21	ST-CD-17/22
	GSX Ltd. / GTX Ltd. / XP Ltd.	98-99		DYNAFLY	3	ST-DF-13/19	ST-DF-12/18	ST-DF-14/20		
	LRV / LRV DI	99-2003		CONCORD	3	ST-CD-15/20	ST-CD-10/16	ST-CD-14/19	ST-CD-16/21	ST-CD-17/22
	X Prop	3		ST-SC-X(14.5-17.5)	ST-SC-X(15.5-18.5)					
900	GTI 90/GTS 90	2017-	150mm	CONCORD	3	◎ SG-CD-10/16				
	SPARK ACE 900 / SPARK ACE 900 HO SPARK TRIXX	2014-	140mm	CONCORD	3	SK-CD-12/17	SK-CD-12/14	SK-CD-13/18		
782	3D / 3D BASE	2005-2007	140mm	CONCORD	3	ST-CD-10/16	ST-CD-14/19	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22
	GSX RFI / GTX RFI	99-2000		CONCORD	3	SF-CD-15/23	SF-CD-16/24	SF-CD-17/25		
	XP / SPX / GSX	96-98		CONCORD	3	SD-CD-15/23	SD-CD-13/21	SD-CD-14/22	SD-CD-16/24	SD-CD-17/25
	GTX / GTX PRO	96-98		X Prop	3	SD-SC-X(16.5-23.5)	SD-SC-X(16-23)	SD-SC-X(17-24)	SD-CD-15/23	SD-CD-16/24
720	GTI / GTI LE / GTI RFI	2001-2005	140mm	CONCORD	3	ST-CD-10/16	ST-CD-14/19	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22
	GTS	2001-2002		CONCORD	3	ST-CD-10/16	ST-CD-14/19	ST-CD-15/20	ST-CD-16/21	ST-CD-17/22
	XP / SPX	95-97		CONCORD	3	SD-CD-14/22	SD-CD-13/21	SD-CD-15/23	SD-CD-16/24	SD-CD-17/25
		99-2001		X Prop	3	SD-SC-X(16-23)	SD-SC-X(16.5-23.5)	SD-SC-X(17-24)		
	GS / GSI	97-98		IJK SERIES	3	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)		
		99-2001		CONCORD	3	SF-CD-15/23	SF-CD-16/24	SF-CD-17/25		
	GTI / GTS	97-98		CONCORD	3	SD-CD-14/22	SD-CD-13/21	SD-CD-15/23	SD-CD-16/24	SD-CD-17/25
	HX	95-		X Prop	3	SD-SC-X(16-23)	SD-SC-X(16.5-23.5)	SD-SC-X(17-24)		
				IJK SERIES	3	SD-SC-I(14-19)	SD-SC-J(15-20)	SD-SC-K(16-21)		
				CONCORD	3	SF-CD-15/23	SF-CD-16/24	SF-CD-17/25		

◎ Original Seal Required

\* Lower pitch than stock can be used for high altitude or high temperature application where H.P. is lost when applicable \*

\* Lower pitch than stock can be used for watercraft with reflashed ECU that increases rev limiter for more rpm than stock when applicable \*

\* Higher pitch than stock can be used for modified watercraft with higher HP than stock \*

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *
650	XP	93-94	140mm	IJK SERIES	3	SD-SC-I(14-19)	SD-SC-J(15-20) SD-SC-K(16-21)
	SPX	94-95		IJK SERIES	3	SD-SC-I(14-19)	SD-SC-J(15-20) SD-SC-K(16-21)
	GSX	94-95		IJK SERIES	3	SD-SC-I(14-19)	SD-SC-J(15-20) SD-SC-K(16-21)
	GTX	94-95		IJK SERIES	3	SD-SC-I(14-19)	SD-SC-J(15-20) SD-SC-K(16-21)
580	XP	91-92	140mm	ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	SPX	93		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	SPI	93-96		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	SP	88-96		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	GSX	92-93		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	GTX	92-93		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	GTS	92-96		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)
	GT	90-91		ABC SERIES	3	SD-SC-A(13-18)	SD-SC-B(14-19) SD-SC-C(15-20)

\* Lower pitch than stock can be used for high altitude or high temperature application where H.P. is lost when applicable \*

\* Lower pitch than stock can be used for watercraft with reflashed ECU that increases rev limiter for more rpm than stock when applicable \*

\* Higher pitch than stock can be used for modified watercraft with higher HP than stock \*



## JETBOAT

Engine cc	Model	Horse Power	Year	Pump Diameter	Series	Blades	STOCK Engine	
4-TEC / 1494cc	205 Utopia / Utopia SE	2 X 215HP	2007~	159mm	CONCORD	4	SRX-CD-14/19	
	180 Challenger / Challenger SE	215 HP	2007~	159mm	CONCORD	4	SRX-CD-14/19	
	230 Challenger / Challenger SE	2 X 215HP	2007~	159mm	CONCORD	4	SRX-CD-14/19	
		2 X 155HP		155.5mm	CONCORD	4	SR-CD-11/19	
	230 Wake	2 X 215HP	2007~	159mm	CONCORD	4	SRX-CD-14/19	
		2 X 155HP		155.5mm	CONCORD	4	SR-CD-11/19	
	Islandia SE	2 X 155HP	2007~	155.5mm	CONCORD	4	SR-CD-11/19	
	SPEEDSTER 150	155HP	2007~	155.5mm	CONCORD	4	SR-CD-11/19	
		215 HP	2007~	159mm	CONCORD	4	SRX-CD-14/19	
	SPEEDSTER 200	2 X 215HP	2007~	159mm	CONCORD	4	SRX-CD-14/19	
951	SPEEDSTER WAKE	2 X 155HP	2006~	155.5mm	CONCORD	4	SR-CD-11/19	
	SPEEDSTER WAKE	2 X 215HP	2006~	159mm	CONCORD	4	SRX-CD-14/19	
	SPORTSTER 4-TEC	155HP	2004-2005	155.5mm	CONCORD	4	SR-CD-11/19	
	Sportster LE DI		2000-2005	155.5mm	CONCORD	3	ST-CD-15/20	
	Speedster		98-99	140mm	CONCORD	3	SF-CD-15/23	
	Challenger 1800		97-99		CONCORD	3	SD-CD-15/23	
					X Prop	3	SD-SC-X(16.5-23.5)	
	780	Challenger	95-97		X Prop	3	SD-SC-X(16.5-23.5)	
720(2)	Speedster SK		99	140mm	X Prop	3	SD-SC-X(16-23)	
	Speedster 1800		99		X Prop	3	SD-SC-X(16-23)	
	Sportster LT		2002		X Prop	3	SD-SC-X(16-23)	
	Challenger		98-2001		X Prop	3	SD-SC-X(16-23)	
	Speedster		96-97		X Prop	3	SD-SC-X(16-23)	
720	Explorer		97		X Prop	3	SD-SC-X(16-23)	
	Sportster		95-98		X Prop	3	SD-SC-X(16-23)	
650(2)	Speedster		94-95		ABC SERIES	3	SD-SC-A(13-18) R SD-SC-B(14-19) L	
	Sportster		95		ABC SERIES	3	SD-SC-A(13-18)	
650	Explorer		95-96		ABC SERIES	3	SD-SC-A(13-18)	
	Explorer		93-95		ABC SERIES	3	SD-SC-A(13-18)	

© FOR DIFFERENT PITCHES, CHECK P.11 FOR SEADOO IMPELLERS

## Mercury Sport Jet Impellers

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine
90 HP	90 Jet (Spline)	1993-1995		CONCORD	3	MB-SC-A
175 HP	175 XR2 Jet	1997-2000		CONCORD	3	MC-CD-18/27
Mercury V6	Speedster	2000-2002	184mm	CONCORD	4	MC-CD-22/39
	Speedster SK	2000		CONCORD	4	MC-CD-22/39
	Speedster 160	2004		CONCORD	4	MC-CD-22/39
	Challenger 1800	2000-2005		CONCORD	4	MC-CD-22/39
	Challenger 2000	2000-2005		CONCORD	4	MC-CD-22/39
200HP (M2 Jet)	Challenger X	2004-2005		CONCORD	4	MC-CD-22/39
	Sportster 1800	2000		CONCORD	4	MC-CD-22/39
	Utopia 205	2002-2005		CONCORD	4	MC-CD-22/39
	Utopia 185	2001-2005		CONCORD	4	MC-CD-22/39
	Islandia	2001-2005		CONCORD	4	MC-CD-22/39

Mercury SportJet is a registered trademark of Mercury Marine, Inc.

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 a registered trademark of Yamaha Corporation.

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *	
1812	GP1800	2016~	160mm	CONCORD	3	YV-CD-13/20	YV-CD-13/18	YV-CD-14/21
	VX CRUISER HO	2016~	155mm	CONCORD	3	YS-CD-13/19	YS-CD-13/22	YS-CD-14/23
	FX SVHO / FX CRUISER SVHO / FX LIMITED SVHO	2014~	160mm	CONCORD	3	YV-CD-13/20	YV-CD-13/18	YV-CD-14/21
	FX HO / FX CRUISER HO	2009~	155mm	CONCORD	3	YS-CD-13/19	YS-CD-13/22	YS-CD-14/23
	VXR/ VXS	2011~	155mm	CONCORD	3	YS-CD-13/19	YS-CD-13/22	YS-CD-14/23
		2014~2016	160mm	CONCORD	3	YV-CD-13/20	YV-CD-13/18	YV-CD-14/21
	FZR / FZS	2008~2013	155mm	DYNALFY	3	YS-DF-14/21	YS-DF-15/22	
				CONCORD	3	YS-CD-13/22	YS-CD-13/19	YS-CD-14/23
1300	FX SHO / FX CRUISER SHO	2008~	155mm	DYNALFY	3	YS-DF-14/21	YS-DF-15/22	
				CONCORD	3	YS-CD-13/22	YS-CD-13/19	YS-CD-14/23
	Wave Runner GP1300R, GP1300	2005~2008	155mm	DYNALFY	3	YG-DF-14/20	YG-DF-09/13	YG-DF-15/22
		2003~2004		CONCORD	3	YF-CD-13/19	YF-CD-11/14	YF-CD-12/18
				CONCORD	3	YF-CD-12/18	YF-CD-11/14	YF-CD-14/20
	Wave Runner XLT 1200	99~2005		CONCORD	3	YF-CD-12/18	YF-CD-11/14	YF-CD-13/19
	Wave Runner GP1200R	2000~2002		CONCORD	3	YF-CD-13/19	YF-CD-11/14	YF-CD-12/18
	Wave Runner SUV1200	99~2004		CONCORD	3	YF-CD-12/18	YF-CD-11/14	YF-CD-13/19
1200	Wave Runner XL1200	98~99		CONCORD	3	YF-CD-12/18	YF-CD-11/14	YF-CD-13/19
	Wave Runner GP1200	97~99		CONCORD	3	YD-CD-13/19	YD-CD-11/14	YD-CD-12/18
				X Props	3	YD-SC-X(14.5~17.5)	YD-SC-X(13~16)	YD-SC-X(15.5~18.5)
				CONCORD	3	YD-CD-13/19	YD-CD-11/14	YD-CD-12/18
	Wave Runner GP1200R	99		X Props	3	YD-SC-X(14.5~17.5)	YD-SC-X(13~16)	YD-SC-X(15.5~18.5)
				CONCORD	3	YD-CD-12/18	YD-CD-11/14	YD-CD-13/19
				X Props	3	YD-SC-X(13~16)	YD-SC-X(14.5~17.5)	YD-SC-X(15.5~18.5)
				IJK SERIES	3	YD-SC-I(13~19)	YD-SC-S(12~18.5)	YD-SC-J(14~20)
1100	FX High Output	2004~2008		DYNALFY	3	YD-DF-14/20	YG-DF-09/13	YG-DF-15/22
	FX CRUISER High Output	2004~2008		DYNALFY	3	YD-DF-14/20	YG-DF-09/13	YG-DF-15/22
	VX / VX sport / VX Deluxe / VX Crusier	2005~2015		CONCORD	3	YH-CD-18/22		
	V1 / V1 SPORT	2015		CONCORD	3	YH-CD-18/22		
	EXR	2019~	144mm	CONCORD	3	YX-CD-12/17		
	EX/ EX DELUXE/ EX SPORT	2017~	144mm	CONCORD	3	YJ-CD-12/20	YJ-CD-12/17	
	VX LIMITED/VX CRUISER/VX DELUXE/VX	2016~	155mm	DYNALFY	3	YG-DF-09/13	YG-DF-14/20	YG-DF-15/22
	V1 / V1 SPORT	2016		DYNALFY	3	YG-DF-09/13	YG-DF-14/20	YG-DF-15/22
998	FX-140 / FX / FX Cruiser	2003~2008	155mm	CONCORD	3	YF-CD-12/18	YF-CD-11/14	YF-CD-13/19
1052	Wave Runner GP800R	2001~2005	155mm	CONCORD	3	YF-CD-11/14	YF-CD-12/18	YF-CD-13/19
	Wave Runner XL800	2000~2004	155mm	CONCORD	3	YF-CD-11/14	YF-CD-12/18	YF-CD-13/19
				CONCORD	3	YB-CD-14/18	YB-CD-13/17	YB-CD-15/19
				X Props	3	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)	YB-CD-16/20
	Wave Runner GP800	98~2000		IJK SERIES	3	YB-SC-J(14.7~18.5)	YB-SC-S(14~17)	YB-SC-I(14.5~18)
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
	Wave Runner XL800	98~99		X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
1049				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-K(15~19)
				CONCORD	3	YH-CD-18/22		
				X Props	3	YH-CD-18/22		
				IJK SERIES	3	YH-CD-18/22		
				CONCORD	3	YH-CD-18/22		
				X Props	3	YH-CD-18/22		
998	FX-140 / FX / FX Cruiser	2003~2008	155mm	CONCORD	3	YF-CD-12/18	YF-CD-11/14	YF-CD-13/19
800	Wave Runner GP800	2001~2005	155mm	CONCORD	3	YF-CD-11/14	YF-CD-12/18	YF-CD-13/19
	Wave Runner XL800	2000~2004	155mm	CONCORD	3	YF-CD-11/14	YF-CD-12/18	YF-CD-13/19
				CONCORD	3	YB-CD-14/18	YB-CD-13/17	YB-CD-15/19
				X Props	3	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)	YB-CD-16/20
	Wave Runner GP800	98~2000		IJK SERIES	3	YB-SC-J(14.7~18.5)	YB-SC-S(14~17)	YB-SC-I(14.5~18)
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
	Wave Runner XL800	98~99		X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
760				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
	Wave Raider 760	95		IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
				CONCORD	3	YD-CD-11/14	YD-CD-12/18	YD-CD-13/19
	Wave Runner XL760 / Wave Venture 760	98~99		X Props	3	YD-SC-X(13~16)	YD-SC-X(14.5~17.5)	YD-SC-X(15.5~18.5)
				IJK SERIES	3	YD-SC-S(12~18.5)	YD-SC-I(13~19)	YD-SC-J(14~20)
701				CONCORD	3	YD-CD-11/14	YD-CD-12/18	YD-CD-13/19
				X Props	3	YD-SC-X(13~16)	YD-SC-X(14.5~17.5)	YD-SC-X(15.5~18.5)
				IJK SERIES	3	YD-SC-S(12~18.5)	YD-SC-I(13~19)	YD-SC-J(14~20)
				CONCORD	3	YD-CD-11/14	YD-CD-12/18	YD-CD-13/19
				X Props	3	YD-SC-X(13~16)	YD-SC-X(14.5~17.5)	YD-SC-X(15.5~18.5)
				IJK SERIES	3	YD-SC-S(12~18.5)	YD-SC-I(13~19)	YD-SC-J(14~20)
				CONCORD	3	YD-CD-11/14	YD-CD-12/18	YD-CD-13/19
				X Props	3	YD-SC-X(13~16)	YD-SC-X(14.5~17.5)	YD-SC-X(15.5~18.5)
701	VX 700	2006~	155mm	CONCORD	3	YH-CD-11/14		
650	Wave Raider 700 / Wave Deluxe / Venture	94~97		CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-J(14.7~18.5)	YB-SC-S(14~17)	YB-SC-I(14.5~18)
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
701	Wave Blaster / Wave Runner III GP / Pro VXR	93~97		IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
500	SuperJet (FREESTYLE APPLICATION)	2008~		CONCORD	3	YQ-CD-09/15	YQ-CD-10/16	
				CONCORD	3	YQ-CD-12/18	YQ-CD-13/19	
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
				CONCORD	3	YB-CD-13/17	YB-CD-14/18	YB-CD-15/19
				X Props	3	YB-SC-X(15~18)	YB-SC-X(15.5~18.5)	YB-SC-X(16~19)
				IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-J(14.7~18.5)
500	Wave Runner XL700	99~2005	155mm	CONCORD	3	YD-CD-11/14	YD-CD-12/18	YD-CD-13/19
650	Wave Runner III	90~97		IJK SERIES	3	YB-SC-S(14~17)	YB-SC-J(14.5~18.5)	YB-SC-K(15~19)
	SuperJet	90~93		IJK SERIES	3	YB-SC-I(14.5~18)	YB-SC-S(14~17)	YB-SC-K(15~19)
	VXR	91~95		IJK SERIES	3	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	3	YA-SC-A(13~18)	YA-SC-B(14~19)	
500	Wave Runner 500 / Wave JAMMER 500	ALL	Tapered	ABC SERIES	3	YA-SC-A(13~18)	YA-SC-B(14~19)	

\* Lower pitch than stock can be used for high altitude or high temperature application where H.P. is lost when applicable \*

\* Lower pitch than stock can be used for watercraft with reflashed ECU that increases rev limiter for more rpm than stock when applicable \*

\* Higher pitch than stock can be used for modified watercraft with higher HP than stock \*



# **YAMAHA JETBOAT**

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine
1200	Exciter 135	98-2000	155mm	IJK SERIES	3	YD-SC-I(13-19)
1100(2)	Exciter 220	97-98	155mm	IJK SERIES	3	YD-SC-I(13-19)
1200(2)	Exciter 270	98-2000	155mm	X Props	3	YD-SC-X(13-16)
1200(2)	LS2000 / LX2000	1999-2002		IJK SERIES	3	YD-SC-I(13-19)
1200(2)	LX210	2003-2005		CONCORD	3	YD-CD-12/18
1200(2)	AR210	2004-2005		X Props	3	YD-SC-X(13-16)
1200(2)	XR1800	2000-2001		CONCORD	3	YD-CD-12/18
998(2)	SX 230 / SR 230/ AR 230	2004-2005		X Props	3	YF-SC-X(13-16)
SX210 / AR210 / SR210		2006-2015		CONCORD	3	YF-CD-12/18
1052(2)	SX230 / AR230 / SR 230	2006		X Props	3	YF-CD-13/19
SX230 HO / AR230 HO / SR 230 HO		2005-2009		DYNALFY	3	YG-DF-14/20

◎ FOR DIFFERENT PITCHES, CHECK P.13 FOR YAMAHA IMPELLERS



**YX-CD Series for : EXR 2019~**



**YJ-CD Series for : EX/EX DELUXE/EX SPORT 2017~**



# Kawasaki Impellers

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Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *				
1498	ULTRA 310X/310X SE/310LX/310R	2014~	160mm	CONCORD	3	KR-CD-14/21	KR-CD-15/22				
	ULTRA 300X / 300LX	2011~2014	160mm	CONCORD	3	KR-CD-14/21	KR-CD-15/22				
	ULTRA 260X/260LX	2008~2010		CONCORD	3	KX-CD-15/23	KX-CD-16/21	KX-CD-16/24			
	ULTRA 250X	2007~2008	155mm	CONCORD	3	KX-CD-15/23	KX-CD-16/21	KX-CD-16/24			
	ULTRA LX	2007~		CONCORD	3	KX-CD-10/16					
	STX-15F/STX-160	2004~	148mm	CONCORD	3	KG-CD-14/21	KG-CD-13/19	KG-CD-14/20	KG-CD-15/21	KG-CD-16/22	
	SX-R	2017~	148mm	CONCORD	3	KGX-CD-15/20	KGX-CD-12/16				
1199	STX-12F	2003~2007	148mm	CONCORD	3	KG-CD-13/19	KG-CD-11/17	KG-CD-12/18	KG-CD-14/20	KG-CD-14/21	
1176	ULTRA 150	99-2006	Tapered	DYNAFLY	3	KH-DF-16/20	KH-DF-17/21				
	1200 STX-R	2002-2006	148mm	CONCORD	3	KG-CD-15/21	KG-CD-14/20	KG-CD-14/21	KG-CD-16/22		
1071	1100 STX DI	2001-2003	148mm	CONCORD	3	KG-CD-13/19	KG-CD-11/17	KG-CD-12/18	KG-CD-14/20	KG-CD-14/21	
	X Props			KG-SC-X(16.5-24)		KG-SC-XO(17-24.5)					
	1100 STX	97-98		CONCORD	3	KG-CD-13/19	KG-CD-11/17	KG-CD-12/18	KG-CD-14/20	KG-CD-14/21	
	X Props			KG-SC-X(16.5-24)		KG-SC-XO(17-24.5)					
	1100 ZXi	96-2003		148mm	CONCORD	3	KG-CD-13/19	KG-CD-11/17	KG-CD-12/18	KG-CD-14/20	KG-CD-14/21
	X Props			KG-SC-X(16.5-24)		KG-SC-XO(17-24.5)					
891	900 STX	2001-2006	148mm	CONCORD	3	KG-CD-12/18	KG-CD-11/17	KG-CD-13/19	KG-CD-14/20		
	900 STX / STS /Zxi	95-2000	140mm	X Props	3	KF-SC-X(16-23)	KF-SC-XO(18-23.5)	KF-SC-XI(19-25)			
782	800 SX-R	2003~2011	140mm	DYNAFLY	3	KP-DF-13/22	KP-DF-14/23	KP-DF-15/24			
743	750 Sxi Pro	95-2002	140mm	CONCORD	3	KE-CD-09/15	KE-CD-11/16	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	X Props			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 STS	95-2001		CONCORD	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	X Props			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	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	X Props			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	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	X Props			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	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	X Props			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	3	KE-CD-09/15	KE-CD-11/16	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	ABC SERIES			KE-SC-A(13-18)		KE-SC-B(14-19)					
	750 SXi	95-96		CONCORD	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	ABC SERIES			KE-SC-A(13-18)		KE-SC-B(14-19)					
635	750 SX	92-96		CONCORD	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	IJK SERIES			KE-SC-I(14-19)		KE-SC-S(13-18)		KE-SC-J(15-20)			
	750 XIR	94		CONCORD	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	IJK SERIES			KE-SC-I(14-19)		KE-SC-S(13-18)		KE-SC-J(15-20)			
550	750 ST	93-95		CONCORD	3	KE-CD-11/16	KE-CD-09/15	KE-CD-12/18	KE-CD-13/20	KE-CD-13/21	
	IJK SERIES			KE-SC-I(14-19)		KE-SC-S(13-18)		KE-SC-J(15-20)			
	ABC SERIES			KE-SC-A(13-18)		KE-SC-B(14-19)					
635	650 TS / 650 SX	87-98	140mm	IJK SERIES	3	KA-SC-I(13-18)	KA-SC-J(14-19)				
	650 X-2 / 650JM	91-96		ABC SERIES	3	KA-SC-A(13-18)	KA-SC-B(14-19)				
				IJK SERIES	3	KA-SC-I(13-18)	KA-SC-J(14-19)				
				ABC SERIES	3	KA-SC-A(13-18)	KA-SC-B(14-19)				
550	550 SX	90-96	Tapered	ABC SERIES	3	KD-SC-A(13-18)	KD-SC-B(14-19)				
	550 JS	82-89		ABC SERIES	3	KB-SC-A(13-18)	KB-SC-B(14-19)				
440	440 JS	77-94	121mm	ABC SERIES	3	KC-SC-A(13-18)					

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## Impellers

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

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *
1235	R-12X	2004-2007	155mm	CONCORD	3	HA-CD-17/29	HA-CD-18/30
	F-12X / F-12X GPScape	2002-2004		CONCORD	3	HA-CD-17/29	HA-CD-18/30
	R-12	2002-2004		CONCORD	3	HA-CD-09/18	
	F-12	2002-2004		CONCORD	3	HA-CD-09/18	



## POLARIS Impellers

Polaris is a registered trademark of Polaris Industries Inc.

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *				
750	MSX 150	2003-2004	148mm	CONCORD	3	PA-CD-13/19	PA-CD-12/18	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
	MSX 110	2003-2004		CONCORD	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
1192	MSX 140	2003-2004		CONCORD	3	PA-CD-15/21	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-16/22	
	Pro 1200	2000-2002		CONCORD	3	PA-CD-15/21	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-16/22	
1165	VIRAGE TX / VIRAGE TxI	2000-2002		X props	3	PA-SC-X0(16.5-23)	PA-SC-X(14-21)	PA-SC-XI(17-24)			
				IJK SERIES	3	PA-SC-I(15-24)	PA-SC-S(14-23)				
	Genesis FFI,	2000	148mm	CONCORD	3	PA-CD-15/21	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-16/22	
				X props	3	PA-SC-X0(16.5-23)	PA-SC-X(14-21)	PA-SC-XI(17-24)			
1050	SL / SLX / SLXH / SLTX 1050	97-98		IJK SERIES	3	PA-SC-I(15-24)	PA-SC-S(14-23)				
				CONCORD	3	PA-CD-14/20	PA-CD-12/18	PA-CD-13/19	PA-CD-15/21	PA-CD-16/22	
	SL900	96-97		X props	3	PA-SC-X(14-21)	PA-SC-X0(16.5-23)	PA-SC-XI(17-24)			
				IJK SERIES	3	PA-SC-S(14-23)	PA-SC-I(15-24)				
779	SLX Pro 785 / SL780 / SLT 780	96-2001	148mm	CONCORD	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
				X props	3	PA-SC-X(14-21)	PA-SC-X0(16.5-23)	PA-SC-XI(17-24)			
	VIRAGE I	2002-2004		IJK SERIES	3	PA-SC-S(14-23)	PA-SC-I(15-24)				
				CONCORD	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
777	OCTANE	2002-2004		CONCORD	3	PA-CD-15/23					
				CONCORD	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
	SL 750 / SLT 750 / SL750	94-95		IJK SERIES	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
				CONCORD	3	PA-SC-S(14-23)	PA-SC-I(15-24)				
700	VIRAGE / FREEDOM	2000-2004	148mm	IJK SERIES	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
				CONCORD	3	PA-SC-S(14-23)	PA-SC-I(15-24)				
	SLH	98-2001		IJK SERIES	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
				CONCORD	3	PA-SC-S(14-23)	PA-SC-I(15-24)				
744	SL 700DLX / SL700 / Hurricane	96-97		IJK SERIES	3	PA-CD-12/18	PA-CD-13/19	PA-CD-14/20	PA-CD-15/21	PA-CD-16/22	
				CONCORD	3	PA-SC-S(14-23)	PA-SC-I(15-24)				

## TIGERSHARK Impellers

TIGERSHARK is a registered trademark of Tigershark Co., Inc.

Engine cc	Model	Year	Pump Diameter	Series	Blades	STOCK Engine	* LIMITED or MODIFIED Engine *			
1100	TS 1100R / TS 1100LI	99	148mm	CONCORD	3	PA-CD-14/20	PA-CD-12/18	PA-CD-13/19	PA-CD-15/21	PA-CD-16/22
	TS 1000L / TS 1000R	98-99		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	TS 1000R	98		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Daytona 1000R	98		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
999	Daytona 1000	97	146mm	IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Monte Carlo 1000	97		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Monte Carlo 900	96		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	TS 770R / TS 770	98-99		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
768	TS 770	98-99	146mm	IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Daytona 770R / 770	98		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Monte Carlo 770	96-97		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	TS 640/640L	98-99		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
639	Montego	97-	146mm	IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Montego Deluxe	96-97		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Monte Carlo 640	96-97		IJK Series	3	TB-SC-I(15.5-19.5)	TB-SC-J(16-20.5)			
	Daytona 640	94-95		IJK Series	3	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)			
768	Montego	94-96	142mm	IJK Series	3	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)			
	Montego Deluxe	95-97		IJK Series	3	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)			
	Monte Carlo 640	94-95		IJK Series	3	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)			
	Barracuda	94-95		IJK Series	3	TA-SC-I(14.5-18)	TA-SC-J(15.5-19)			

\* Lower pitch than stock can be used for high altitude or high temperature application where H.P. is lost when applicable \*

\* Lower pitch than stock can be used for watercraft with reflashed ECU that increases rev limiter for more rpm than stock when applicable \*

\* Higher pitch than stock can be used for modified watercraft with higher HP than stock \*

# •TWIN IMPELLERS•

## *FLY Series*

***Impellers for Flyboard***



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



SRZ-FY-09/14



SX-FY-09/14



YAMAHA is a registered trademark of Yamaha Corporation.



YV-FY-09/14



YS-FY-09/14

# •TWIN IMPELLERS•

## TP Series

**Recommended for Performance Use**

☀ For Flyboard use FLY Series impellers



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~



**SX4-TP-13/16**

for  
RXP-300 / RXT-X 300 / GTX LIMITED 300  
2016~



YAMAHA is a registered trademark of Yamaha Corporation.



**YS-TP-14/23**

for

FZR / FZS 2008-2013 (155mm)



**YV-TP-12/18, 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	Remark
1630	RXP-X 300	2016~	SOLAS SXX CONCORD SOLAS SX4 CONCORD	SX-PM-161/83 (HSV+Nozzle)	14 VANE Diameter = 161mm Hub size = 83mm
	RXT-X 300	2016~			
1494	RXP-X(255HP,260HP)	2008-2015	SOLAS SRZ IMPELLER	SRZ-PM-159/83 (HSV+Nozzle)	14 VANE Diameter = 159mm Hub size = 83mm
	RXT-X(255HP,260HP)	2009~			
	GTX LIMITED IS 260	2009~			
1630	RXP-X 300 / RXT-X 300	2016~	SOLAS SXX CONCORD SOLAS SX4 CONCORD	SX-HS-161 (Original Wear Ring Replacement)	Diameter = 161mm
1494	RXP-X(255HP,260HP)	2008~2015	SOLAS SRX IMPELLER SOLAS SRZ IMPELLER	SRX-HS-159-002 (Original Wear Ring Replacement)	Diameter = 159mm
	RXT-X(255HP,260HP)	2008~			
	RXP(215HP)	2004-2010			
	RXT(215HP)	2005-2010			
	GTX Limited(215HP)	2005-			
	WAKE SUPERCHARGED(215HP)	2007-			
	GTX 4-tech Limited Supercharge(185HP)	2003-2004			
	GTX 4-tech Supercharge(185HP)	2003-2006		SR-HS-156-001 (Original Wear Ring Replacement)	Diameter = 156mm
	GTS SE 155/ RXP(155HP)	2007-			
951	GTX / GTI / GTI SE 130	2002-	SOLAS SR IMPELLER	SR-HS-156-001 (Original Wear Ring Replacement)	Diameter = 156mm
	GTI / GTI SE 130	2006-			
	XP / XP DI	2000-2004			
	RX / RX DI / GTX / GTX DI	2000-2003			
	GSX Ltd. / GTX Ltd. / XP Ltd.	98-99			
782	LRV / LRV DI	99-2003	SOLAS ST CONCORD	ST-HSV-155/83 (HSV+Impeller Shaft +Bearing+Oil Seal +Cone)	8 VANE Diameter = 155mm Hub size = 83mm
	GSX Ltd.	97			
782	3D / 3D BASE	2005-2007			
720	GTI / GTI LE / GTI RFI	2001-2005			
	GTS	2001-2002			
900	SPARK	2014-	SOLAS SK IMPELLER	SK-SV-140/75 (Stator+Cone)	12 VANE Diameter = 140mm Hub size = 75mm
				SK-HS-140	Diameter = 140mm
782	GSX RFI / GTX RFI	99-2000	SOLAS SD IMPELLERS	SD-PM-140/60 (HSV+Impeller Shaft+Bearing+Oil Seal +Cone+Nozzle+Steering Nozzle)	6 VANE Diameter = 140mm Hub size = 60mm
	XP / SPX / GSX / GTX / GTX PRO	96-98			
	GS	2000-2001			
	GTI / GTI LE / GTI RFI	2001-2005			
	GTS	2001-2002			
720	XP / SPX	95-97			
	GS / GSI	97-99			
	GTI / GTS	96-2000			
	HX	95~			
650	XP	93-94			
	SPX / GSX / GTX	94-95			
580	XP	91-92			
	SPX	93			
	SPI	93-96			
	SP	88-96			
	GSX / GTX	92-93			
	GTS	92-96			
	GT	90-91			

The impeller is an optional part



# YAMAHA Jet Pump

YAMAHA is a registered trademark of Yamaha Corporation.

Engine cc	Model	Year	Impeller Application	Recommended SOLAS Pump	Remark
701	SUPERJET	2008~	YRS-CD-12/18 YRS-CD-13/19 YRS-CD-14/20	YRS-HS-148	 Diameter = 148mm
701		2008~	YRS-CD-12/18 YRS-CD-13/19 YRS-CD-14/20	YRS-SV-148/74 (Stator+Cone)	 12 VANE Diameter = 148mm Hub size = 74mm
1812	FX SVHO / FX CRUISER SVHO/FZR/FZS	2014~	SOLAS YV Impeller	YVS-SV-160/74 (Stator+Cone)	 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 (Stator+Cone) (For 160mm impeller only)	 12 VANE Diameter = 160mm Hub size = 74mm
1812	FZR SHO / FZS SHO FX SHO / FX CRUISER SHO	2008~		YVS-HS-160 (For 160mm impeller only)	 Diameter = 160mm
1812	FZR SHO / FZS SHO FX SHO / FX CRUISER SHO	2008~			
1812	FX HO / FX CRUSIER HO	2008~			
1052	FX High Output	2004-2008			
1052	FX CRUISER High Output	2004-2008			
998	FX-140 / FX Cruiser	2003-2008			
1300	Wave Runner GP1300R	2003-2008	SOLAS YF IMPELLER SOLAS YS IMPELLER	YFS-HS-155	 Diameter = 155mm
	Wave Runner XLT 1200	99-2005			
	Wave Runner GP1200R	2000-2002			
1200	Wave Runner SUV1200	99-2003			
1200	Wave Runner XL1200	98-99			
800	Wave Runner GP800R	2001-2005			
800	Wave Runner XL800	2000-2004			
1200	Wave Runner GP1200	97-99			
1200	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			
760	Wave Blaster II	96-97			
701	Wave Runner XL700	99-2005			
800	Wave Runner GP800	98-2000			
800	Wave Runner XL800	98-99			
760	Wave Runner GP760	97-2000	SOLAS YB IMPELLER	YBS-HS-144	 Diameter = 144mm
701	Wave Raider 760	96			
701	Wave Raider 700 / Wave Deluxe / Venture	94-97			
701	Wave Blaster / Wave Runner GP700 / Pro VRX	93-97			
701	SuperJet	94-2007			
701	SuperJet	2008~			
701	SuperJet	2008~	SOLAS YQ IMPELLER	YQS-PM-144/74T (Housing+Stator+Nozzle +Steering Nozzle +Trim Ring+Cone)	 12 VANE Diameter = 144mm Hub size = 74mm
701	SuperJet	2008~	SOLAS YQ IMPELLER	YQS-SV-144/74 (Stator+Cone)	 12 VANE Diameter = 144mm Hub size = 74mm

The impeller is an optional part

# Kawasaki Jet Pump

kawasaki is a registered trademark of Kawasaki Motors Corp. USA

Engine cc	Model	Year	Impeller Application	Recommended SOLAS Pump	Remark
1498	SX-R	2017~	SOLAS KGX CONCORD		12 VANE Diameter = 148mm Hub size = 74mm
				<b>KGX-PM-148/74T</b> (Housing+Stator+Impeller Shaft+Bearing +Oil Seal+Cone+Nozzle+Steering Nozzle+Trim Ring)	
1498	SX-R	2017~			
1498	STX-15F	2004~			
1199	STX-12F	2003~			
1176	1200 STX-R	2002-2006	SOLAS KGX CONCORD		12 VANE Diameter = 148mm Hub size = 74mm
	1100 STX DI	2001-2003	SOLAS KG CONCORD		
1071	1100 STX	97-98			
	1100 ZXi	96-2003			
891	900 STX	2003-2006			KGX-HSV-148/74 (Housing+Stator) KGS-HSV-148/74 WILL BE REPLACED BY KGX-HSV-148/74 AFTER INVENTORY RUN OUT.
782	800 SX-R	2003~	SOLAS KP DYNALFY		12 VANE Diameter = 140mm Hub size = 74mm
				<b>KPS-PM-140/74T</b> (HSV+Impeller Shaft+Bearing+Oil Seal +Cone+Nozzle+Steering Nozzle+Trim Ring)	

The impeller is an optional part

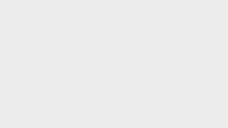
# Hydrospace

Hydrospace is a registered trade mark of Hydrospace Group.

Engine cc	Model	Year	Impeller Application	Recommended SOLAS Pump	Remark
749	Hydrospace HSR S4	2004~	SOLAS KP CONCORD		12 VANE Diameter = 140mm Hub size = 74mm
				<b>HS-PM-140/74T</b> (Housing+Stator+Impeller Shaft+Bearing +Oil Seal+Cone+Nozzle+Steering Nozzle +Trim Ring)	

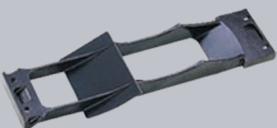
The impeller is an optional part


**Intake Grates**

Engine cc	Model	Year	Intake Grade
1494	RXP(215HP)	2004~2008	 SS0205
	RXT	2005~2008	 SS0206
	GTX	2004~2008	
	GTX DI	2002~2003	
951	RXX	2001-2002	 XP-IG-B
	XP/XP DI	2000-2004	
	XP Ltd.	98-99	
	RX / RX DI	2000-2003	
782	XP	97-98	 GSX-IG-B
720	GTI/GTI LE/GTI RFI	2001-2005	
	GTS	2001-2002	
951	GTX Ltd.	98-99	 GTX-IG-B
	GTX/GTX DI	2000-2001	
	GSX Ltd.	98-99	
	LRV / LRV DI	99-2003	
	GSX Ltd.	97	
782	GSX RFI	99-2000	 SD-IG-B
	GTX RFI	99-2002	
	GTX PRO	98	
	GSX	96-98	
720	GS	98-2001	
	GTI	98-2000	
782	XP	95-96	
	SPX	97-98	
720	XP	95	
	SPX	96	
	SPX	97	
	GS	97	
	GSI	97-98	
	GTI	96-97	
	GTS	97-2000	
	HX	95~	
650	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 a 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 a registered trademark of Kawasaki Motors Corp. USA



# HONDA

## Intake Grates

Engine cc	Model	Year	Intake Grate
1235 Turbo	F-12X	2002~2007	
1235	F-12	2002~2007	 HW1-IG-B

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



# POLARIS

## Intake Grates

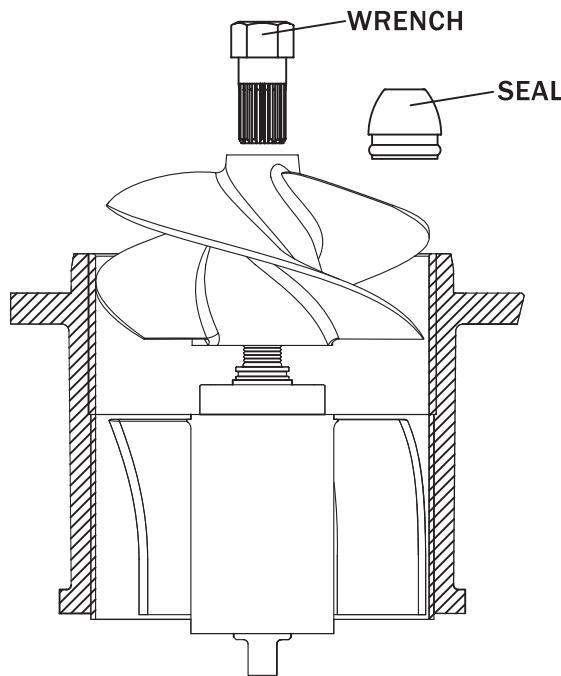
Engine cc	Model	Year	Intake Grate
1165	Pro 1200	2000-2002	
	VIRAGE TX	2000-2002	
	VIRAGE TXi	2001-2002	
1050	SL 1050	97	
	SLX 1050	99	
	SLXH 1050	98	
	SLTX	96-98	
900	SL900	96-97	
779	SLX Pro 785	96-2001	
	SL 780	96-97	
	SLT 780	96-97	
777	VIRAGE I	2002-2004	
744	SL 750	94-95	
	SLT 750	94-95	
	SL750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

Polaris is a registered trademark of Polaris Industries Inc.



SEA DOO is a 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.

S E A D O O		
Impeller Series	Wrench	Seal
<b>SD</b> Super Camber(ABC Series) Super Camber(IJK Series)		
	WR001	SL007
<b>SD, ST</b> Xprop Series		
	WR001	SL007
<b>SD, SF, ST</b> Concord Series		
	WR001	SL007
<b>SG</b> Concord Series		Original Seal required
	WR011	
<b>SK</b> Concord Series		
	WR001	SL009
<b>SR</b> Concord Series		SLA011 SLA011A
	WR011	SLA011(For shaft 24mm) SLA011A(For shaft 27mm)
<b>SRB</b> <b>SRZ</b> <b>SRX</b> <b>SXX / SX4</b> Concord Series		
	WR012	SLA012
<b>SX4</b> <b>SRZ</b> TP Series & FLY Series		Not Required
	WR012L	

\* 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.

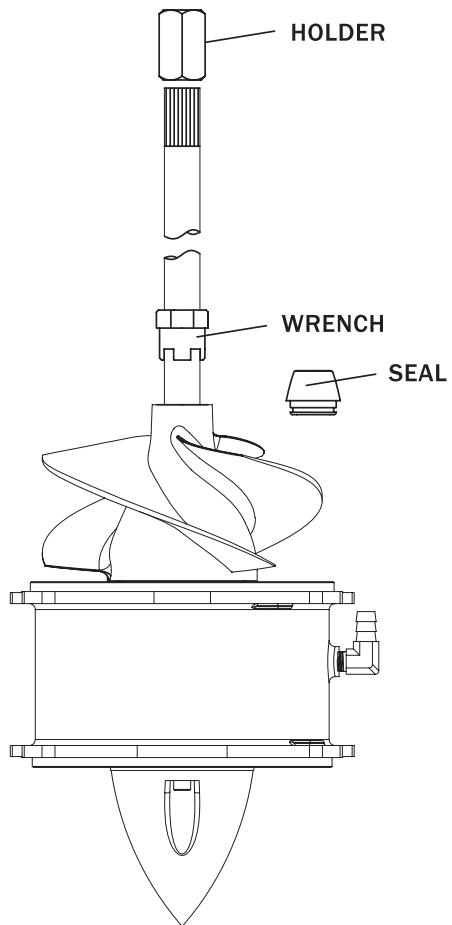
( Please refer to your original service manual or contact your PWC Dealer for detail. )



# YAMAHA

## Impeller Accessories & Installation Guide

YAMAHA is a 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)	WR003	WR003H optional part	SL003
	WR004	WR004H optional part	SLA008 SL008A SLA008(For shaft 18mm) SL008A(For shaft 15mm)
YD Super Camber (IJK Series) Xprop Series Concord Series	WR004	WR004H optional part	SLA008
	WR007	WR004H optional part	SLA009A
YF / YX Concord Series Xprop Series	WR007	WR007H optional part	SLA018 NEW!
	WR014	WR014H optional part	SLA014
YQ Concord Series	WR007	WR004H optional part	SL007 SL009
	WR014A	WR014H optional part	SLA016
YRS YQ Concord Series	WR014A	WR014H optional part	SLA016
	WR015	WR014H optional part	TP Series FLY Series
YS Dynafly Series	WR015	WR014H optional part	TP Series FLY Series
	WR015	WR014H optional part	SLA017

\*HUB WITH A

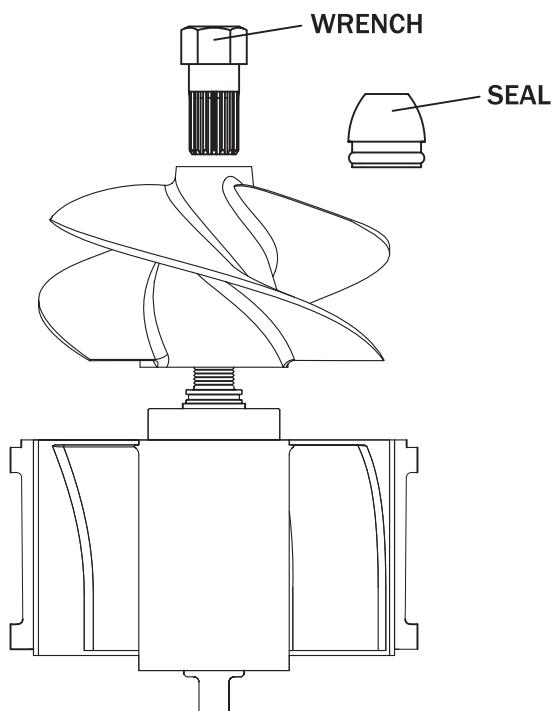




# YAMAHA

## Impeller Accessories & Installation Guide

YAMAHA is a registered trademark of Yamaha Corporation.



YAMAHA		
Impeller Series	Wrench	Seal
YJ YH Concord Series	optional part	SLA018 <span style="color:red;">NEW!</span>
	WR001	SLA018

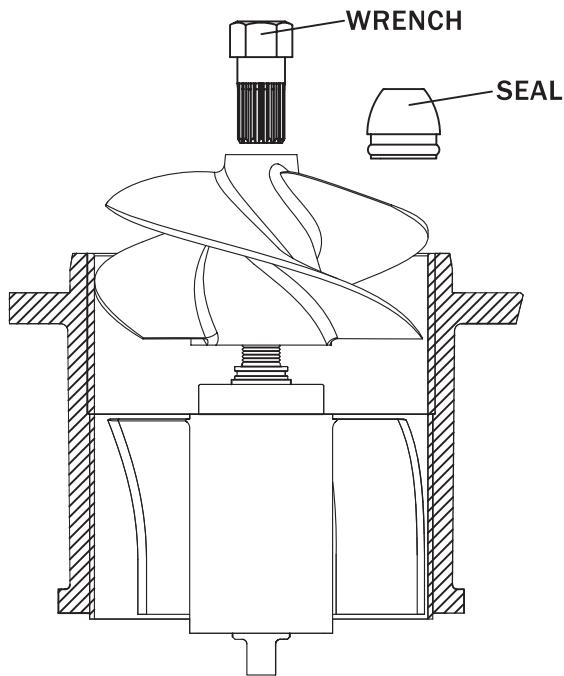
\*Some of wrenches are the optional part. You can buy them from SOLAS local dealer

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.

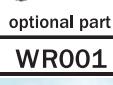
\* This installation guide is suggested for reference only.  
( Please refer to your original service manual or contact your PWC Dealer for detail. )

# Kawasaki Impeller Accessories & Installation Guide

kawasaki is a 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
<b>KA</b> Super Camber(ABC Series) Super Camber(IJK Series)		
	<b>WR001</b>	<b>SLA009</b>
<b>KB</b> Super Camber(ABC Series)		
	<b>WR002</b>	<b>SL002</b>
<b>KC</b> Super Camber(ABC Series)		<b>Original Seal Required</b>
	<b>WR005</b>	
<b>KD</b> Super Camber(ABC Series)		
	<b>WR001</b>	<b>SLA009</b>
<b>KE</b> Super Camber(ABC Series) Super Camber(IJK Series) Xprop Series, Concord Series <b>KP</b> Concord Series,Dynafly Series		
	<b>WR001</b>	<b>SLA009</b>
<b>KF</b> Super Camber (IJK Series) Xprop Series		
	<b>WR001</b>	<b>SLA009</b>
<b>KX</b> Concord Series		
	<b>WR001</b>	<b>SL009</b>
<b>KH</b> Dynafly Series		
	<b>WR001</b>	<b>SL007</b>
<b>KG</b> Xprop Series Concord Series <b>KR</b> <b>KGX</b> Concord Series		
	<b>WR001</b>	<b>SL009</b>

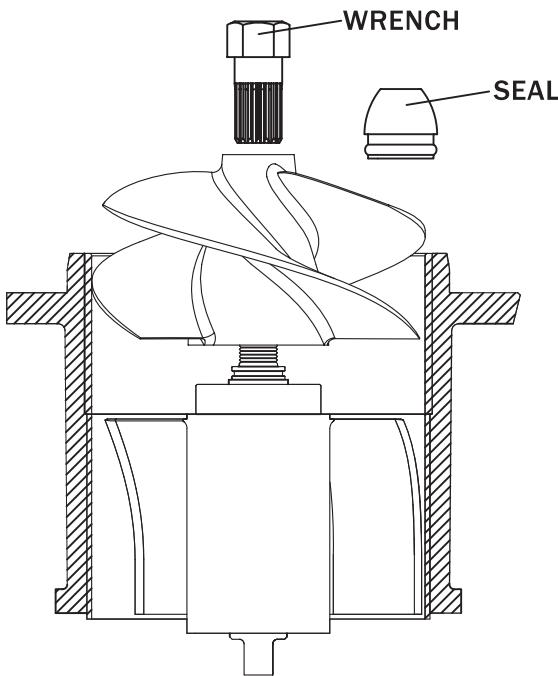


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# TIGERSHARK Impeller Accessories & Installation Guide



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.

H O N D A		
Impeller Series	Wrench	Seal
HA Concord Series		 optional part
		WR001      SLA010
P O L A R I S		
Impeller Series	Wrench	Seal
PL Super Camber (ABC Series) Super Camber (IJK Series)		 optional part
		WR006      SL006
PA Super Camber (ABC Series) Super Camber (IJK Series) Xprop Series Concord Series		 SL006      SL012 optional part
		WR006      SL006, SL012
		WR006      SL009
T I G E R   S H A R K		
Impeller Series	Wrench	Seal
TA Super Camber (IJK Series)	<b>Original Wrench / Seal Required</b>	
TB Super Camber (IJK 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. )



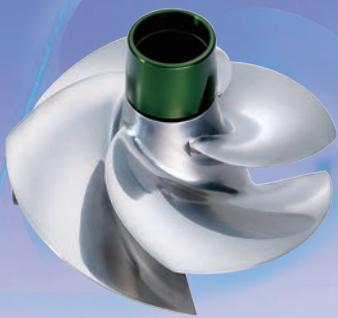
## Building a Global Marketing Network

See our website <http://www.solas.com> for a complete list of distributors and dealers worldwide.

- SOLAS Map of World Distributors.



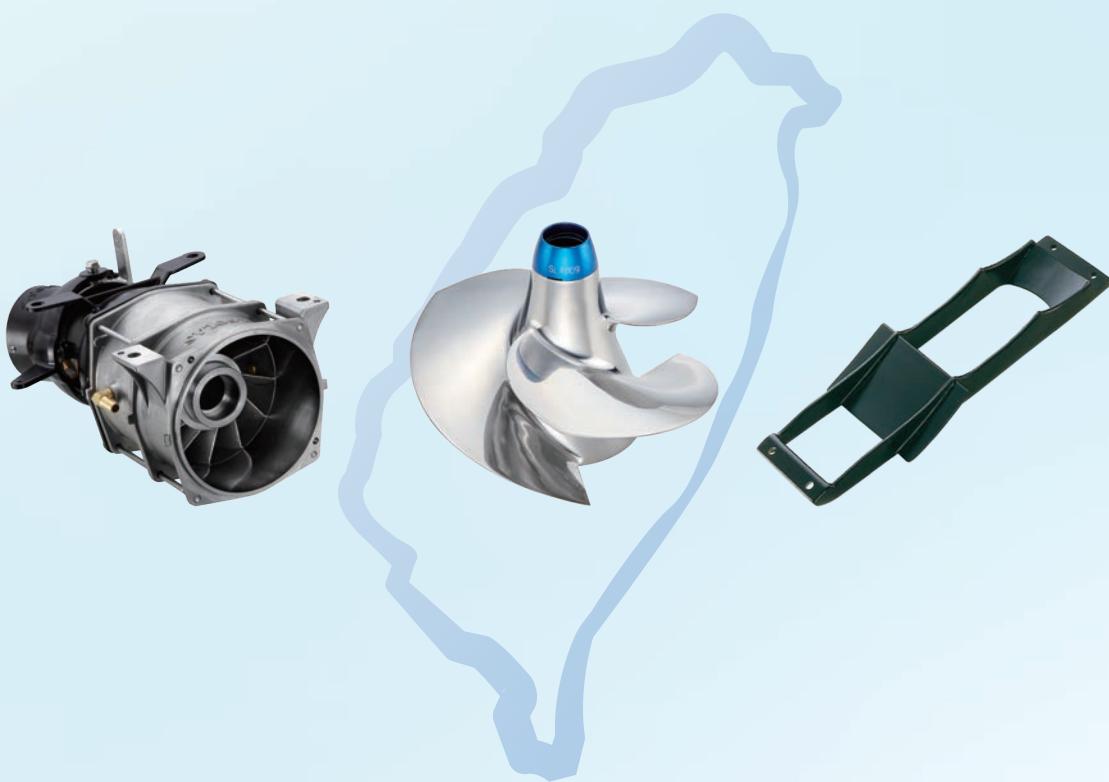
From its roots in Taiwan, SOLAS looks to the global market for development. SOLAS has established a global marketing network and has built long-term strategic alliances with world-class companies.



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