



SOLAS[®]

Where Speed Begins

PROPELLER 2013

Outboard /Stern Drive
Aluminum / Stainless Steel
High Performance Propellers



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Product names may belong to Original Equipment Manufacturers. All references to Original Equipment Manufacturers, their trade names or their part numbers, are for replacement part identification only.

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 impellers for personal watercraft vehicles. Our success is largely due to superior design and craftsmanship from team SOLAS.

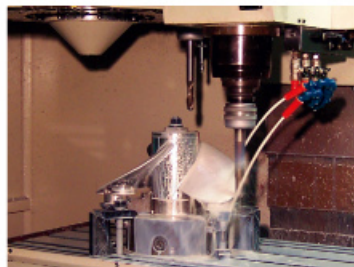
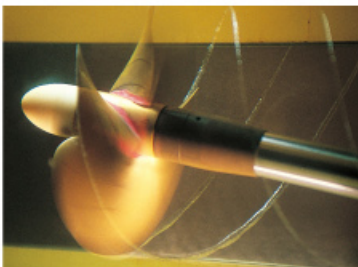
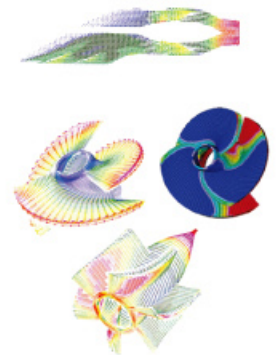
Located in Taiwan, SOLAS combines world class research and design, highly skilled workers, cost-effective material sourcing, and a technologically advanced manufacturing facility to deliver the highest quality of products to its customers.



Research and Development

SOLAS possesses an outstanding R&D team. Each member is willing to accept challenges, to break through barriers, and to strive for improvement on existing technologies. Because of our outstanding R&D team, SOLAS not only stands at the top of the world propeller industry, but also possesses a diverse R&D strategy. SOLAS frequently conducts academic and industrial cooperative development projects with Taiwan leading research institutions. In recent years, we have expanded our vision to leisure watercraft propulsion systems, and have established a new, comprehensive R&D division for that purpose.

SOLAS's R&D teams combine propeller theory, quantitative data analysis, and realistic Field testing technologies to design world class watercraft propellers. With superior CAD, CAM and CAE capabilities, SOLAS now can manufacture products that completely satisfy every customer requirement. These outstanding R&D and production technologies are the basis on which SOLAS has become the most well known brand in the industry.



Controlling Every Aspect of Quality

SOLAS aluminum alloy propellers surpass regular stainless steel propellers in terms of thinness, corrosion resistance, and quality. SOLAS has become the world's leading brand of stainless steel and aluminum propellers. Numerous tests conducted by major media authorities have proven that SOLAS propellers stand up to collisions better than the competitors', and that long-term durability studies have shown that SOLAS propellers' resistance against rust and corrosion outperforms all the others in their class.

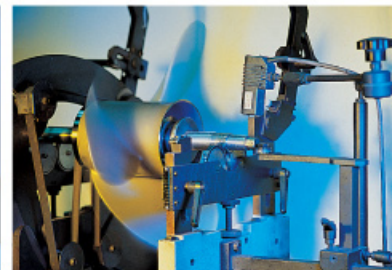
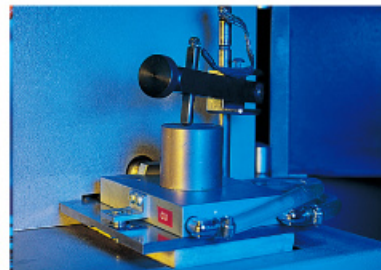
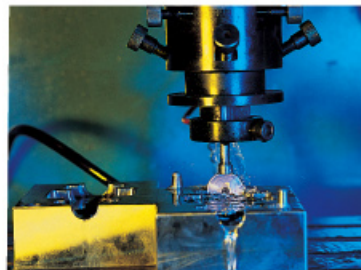
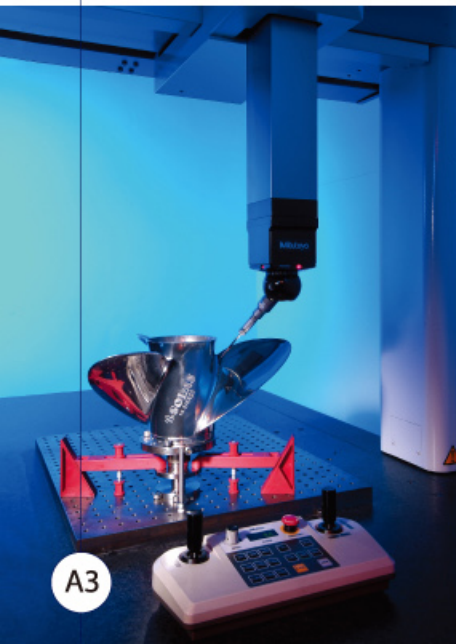


We are honored to have BSI (British Standards Institution) ISO 9001 certificate and the Symbol of Excellent Products from Taiwan Government. Total satisfaction of our customers is always our first priority.



We have been always instilling a high level of quality consciousness in all of our employees, and each employee helps ensure the quality of our products. This not only helps reduce personnel costs, but more directly improves progress and reduces inventory space through on-site raw material inspection. Inspections are carried out in the most meticulous manner, from material receiving through processing to finished product shipment. SOLAS has also installed analysis equipments to assist the inspection and testing process, including composition tester, hardness tester, CMM systems, salt spray testing machine, rubber torque tester, and dynamic balance machine. We combine these standard quality inspection procedures with data analysis to improve product design and production processes, therefore increasing customer satisfaction.

In 1994, SOLAS was granted ISO-9002 certification from BSI, the UK certification authority. In May of 2003, SOLAS was awarded ISO-9001 certification (2000AD version). These quality certifications serve as further evidence of our commitment to continuous quality improvements and service.

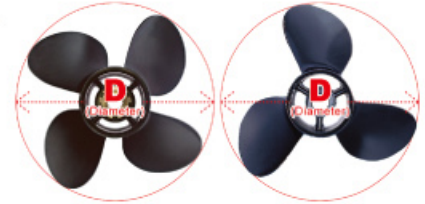


Propeller Basics :

This information is critical to determining the correct propeller for your application:

1. 3 or 4 Blades ?

A 3-blade propeller usually offers top speed performance while a 4-blade propeller provides maximum thrust and smooth cruising operation.

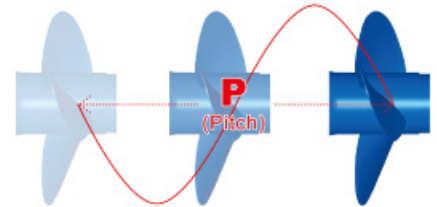


2. Diameter :

Diameter is the distance across a circle encompassing all of the propeller blades. (see Original Equipment Considerations item 2 below).

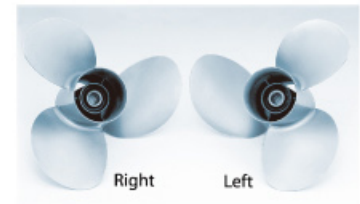
3. Pitch :

Pitch is the theoretical distance a propeller will move through the water for each revolution (i.e. a 21" pitch propeller should move a boat forward 21" for each revolution, assuming there is no slippage).



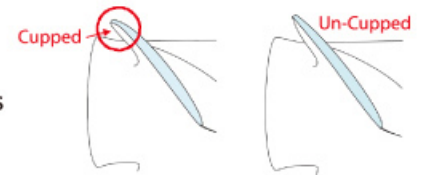
4. Right hand or Left hand Rotation?

In most cases, right hand propellers are used for single engine applications and one left hand propellers are used for twin engine applications to achieve better steering control.



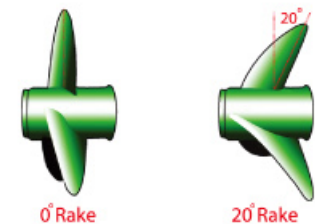
5. Cupped Blades:

This is a technique used to enhance the performance of propellers under certain conditions. A cupped propeller will exhibit very high efficiency at high speeds as well as minimize cavitation under heavy loads.



6. Rake :

Rake is a special design feature. Positive rake benefits from normal bow lift to permit the use of a larger diameter propeller, while negative rake can provide extra blade strength for use in very high speed applications.



Original Equipment Considerations :

1. Determine the year, brand, model and horsepower of your motor.
2. Calculate the diameter of the OEM propeller by measuring from the center of the shaft hole to the tip of a blade x 2
(Example: a measurement of 7 ¼ inches = a diameter of 14 ½ inches).
3. Is the type of material aluminum or stainless steel?

Performance Considerations :

1. Type of boat (cruiser, ski, runabout, bass, pontoon) ?
2. Prop on boat now (brand, model, diameter, pitch, cupping) ?
3. Engine RPM at wide open throttle (WOT) ?
4. Speed of boat over water at WOT ?
5. Normal operating altitude (motors lose 3% of power per 1000 ft.)?

SOLAS offers a variety of propeller products to satisfy a wide range of engine and hull configurations. The following chart will help you choose the correct SOLAS propeller to meet your specific boating application.

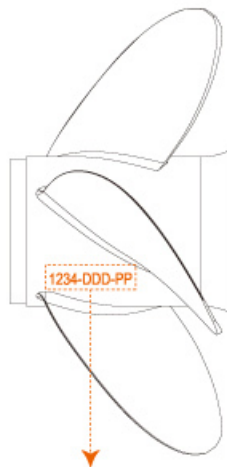
SOLAS PROPELLER	PROPELLER APPLICATION																				FEATURES								
	OUTBOARD														STERNDRIVE						Material	Blades	Rotation Available	Hub Type					
	Inflatable	Aluminum	Ski Boat	Bass Boat	Flats Boat	Bay Boat	Walleye Boat	Offshore Single	Offshore Dual	Sport Boat Single	Sport Boat Dual	Heavy Work Boat	Commercial	Sail Drive	Pleasure Runabout	Deck Boat	Pontoon	Ski Boat	Sport Boat Single	Sport Boat Dual					Family Cruiser	Cruiser Boats	Deck Boat	Pontoon	Houseboat
Amita3	●	●	●	●	●	●	●	●			●	●		●		●				●					●	AL	3	R,L	R
Amita4	●		●				●	●			●			●	●	●				●					●	AL	4	R,L	R
Bravo Two																					●				AL/SS	3	R,L	R	
Saturn	●	●										●		●		●									●	SS	3	R,L	R
New Saturn	●	●									●			●		●									●	SS	3	R,L	R
Titan	●	●	●				●	●			●			●		●				●					●	SS	3	R,L	R
HR Titan3			●				●	●												●					●	SS	3	R,L	R
HR Titan4				●	●		●	●	●	●				●	●				●	●	●		●	●	●	SS	4	R,L	R
Scorpion			●																						●	SS	3	R,L	R
Lexor					●		●	●	●	●									●	●	●		●	●	●	SS	3	R,L	R
Solas Ski																									●	SS	3.4	R	N/A
Solas Plastic	●																								PL	3	R	N/A	
High Thrust													●												AL	4	R	R	

Note - Material: AL = Aluminum; SS = Stainless Steel; PL = Plastic
 Note - Rotation Available : R = Right-hand Rotation; L = Left-hand Rotation
 Note - Hub Type: R = Rubber; N/A = Not Applicable

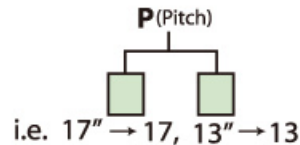
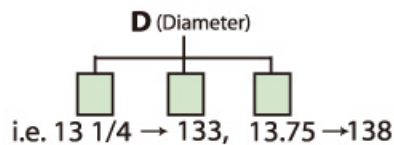
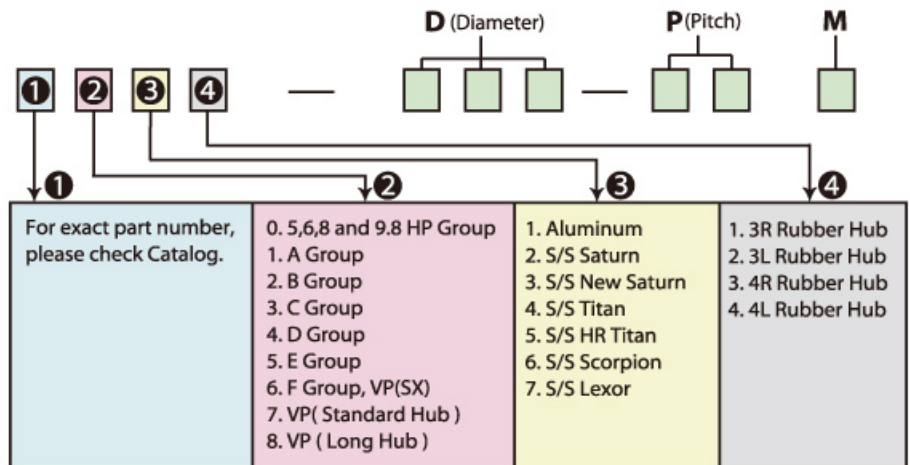
Still can't choose the right propeller for your boat ?

Please visit www.solas.com to find more information about propeller application. Or simply find and call our distributors & dealers near your location, they will be glad to help you to choose the right propeller .

SOLAS Part No. Coding System



SOLAS Propeller Part No. on propeller.



M : PPin Drive Propeller ; S Spline Drive Propeller

[] : 1,2,5Different Propeller Hub Fitting Spec.

Note :

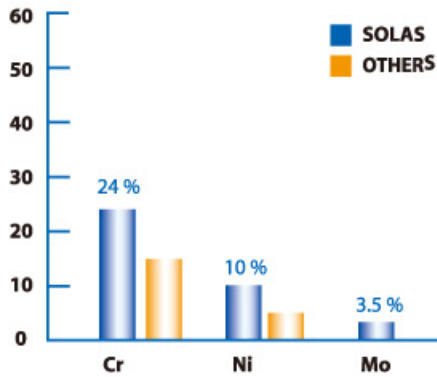
The number 1 is an basic assortment for Solas propeller. For exact part number, please check P1-P37. Some part numbers are specially different from the coding system for special fitting spline. Exp: P/N 3413-138-15 (P22) for Suzuki 4 stroke DF90, 115, 140 engine

Smooth, Durable, High Precision → Overall Performance

All SOLAS propellers are developed by a state of art process. Through a sequence of theoretical calculations, geometry design, prototype testing, pilot production and field tests, SOLAS propellers are designed to meet customers' various requirements.

Modern CAD, CAM and CAE technologies are used to ensure that high precision tools are used for products.

Unparalleled Durability

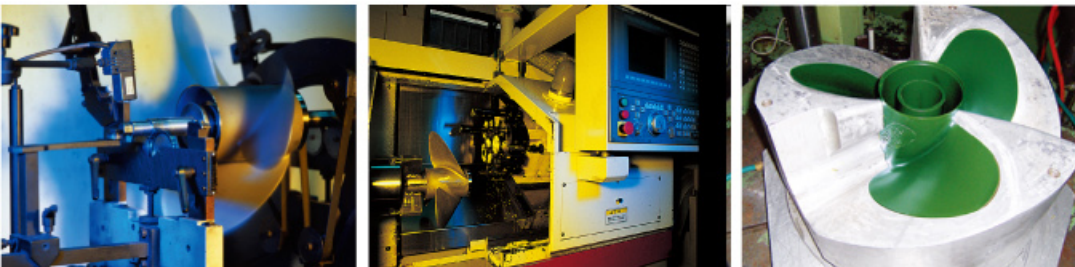
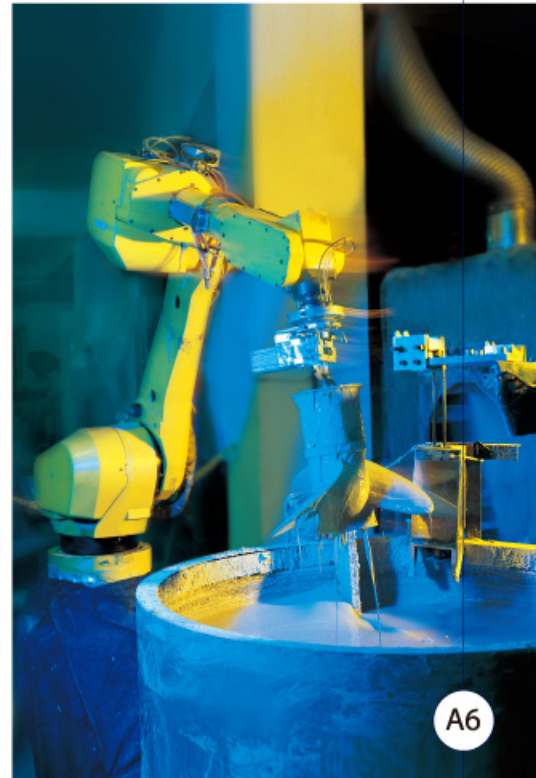
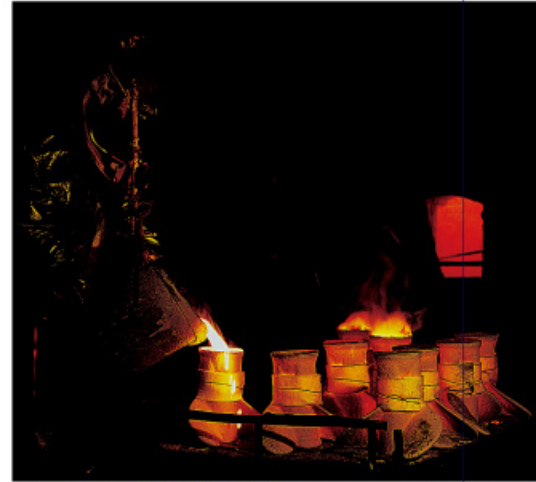


SOLAS Stainless Steel Propellers - Feature the industry's highest percentage of chromium, nickel, and molybdenum. Our material resists rust from salt water and increases the stability of the propeller blades.

SOLAS Stainless Steel propellers are made by investment casting process.

SOLAS focuses its production improvement efforts on efficient use of space, increased yield, first in first out processes and automated equipment (such as robotic dipping arms). We are constantly improving processes and striving even higher.

Performance and durability are the characteristics of the SOLAS stainless steel products.



Stainless Steel High Performance Propellers



LEXOR Stainless steel 3 blade
Rubber Hub

All-around Performance

- Three blade stainless steel propeller
- Large diameter and blade area for big boat loads
- Great high speed performance without sacrificing mid-range speeds
- Excellent fuel economy for offshore boats



HR TITAN 4 Stainless steel 4 blade
PROP Rubber Hub

Excellent Cruising Performance

- Four blade stainless steel propeller
- Provides great stern lift and acceleration
- High rake blade with large cupping design
- Delivers powerful thrust and very smooth performance
- Increased speed and fuel economy in the engine's mid-range
- Excellent cruising performance

B3 for
MERCURY BRAVO 3 **NEW!**



Dual Prop for
VOLVO PENTA A&B Series
DP289, 290



Stainless Steel High Performance Propellers



HR TITAN 3 PROP Stainless steel 3 blade Rubber Hub

High Speed Application

- Three-blade stainless steel propeller
- Performance prop for high speed planning hulls
- High rake blade design provides excellent bow lift and acceleration
- Heavy cup design increases bite and reduces slip



TITAN PROP Stainless steel 3 blade Rubber Hub

High Power Applications

- Three-blade stainless steel propeller
- High camber blade and large blade area design
- Great load carrying capability
- Excellent fuel economy

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

All-around Performance Propeller

- Three-blade stainless steel propeller
- Offers good acceleration & all-around performance
- Smaller pitch sizes offered in extra largediameter with increased blade area
- Large ear design is ideal for pontoons, commercial hulls, and heavy loads



SATURN PROP Stainless steel 3 blade Rubber Hub

General Purpose Propeller

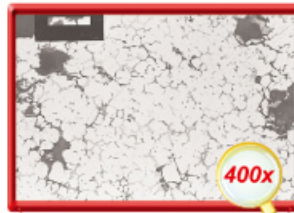
- Three-blade stainless steel propeller
- All-around general purpose performance
- A more durable replacement for aluminum propeller with better efficiency



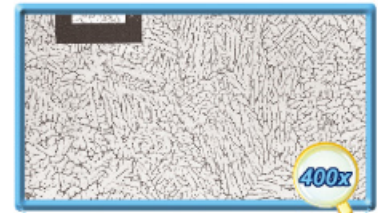
Reliability and Precision

SOLAS uses a state of the art squeeze casting process to make our aluminum propellers stronger and tougher than traditional die cast products.

As shown below, with 400x magnification of a propeller blade root cross-section, the squeeze cast propeller is almost non-porous, with finer grain size than the die cast propeller.



Standard Die Cast



SOLAS Squeeze Cast



Cutting-face
Other brand's prop



Cutting-face
SOLAS Prop

About SOLAS Coating



Cutting-face
Other brand's coating



Cutting-face
SOLAS Prop



Salt Water Spray Testing

SOLAS aluminum propellers have 4 layers of paint. Using superior coatings and a high-tech painting process ensures excellent anti-corrosion performance.

SOLAS aluminum propellers are exposed to over 500 hours of testing in a salt water spray tank. This testing simulates more than 6 months of normal salt water use.

Aluminum High Performance Propellers



AMITA 3 **Aluminum 3 blade Rubber Hub**

- Three blade aluminum propeller
- Exclusive Solas squeeze casting process
- Wide blade design
- Outstanding acceleration and top speed



AMITA 4 **Aluminum 4 blade Rubber Hub**

- Four blade aluminum propeller
- Exclusive Solas squeeze casting process
- Wide blade design
- Increased static thrust for heavy loads & maneuverability
- Great stern lift and mid-range performance



AMITA 3-C Plus **Aluminum 3 blade Rubber Hub**

AMITA 3-E Plus **Aluminum 3 blade Rubber Hub**

- Larger blade design
- Better thrust
- Suitable for heavy boats



High Thrust Propeller

- Offers excellent forward and reverse thrust
- Ideal for heavy load and sail drive application
- Propeller size : 10x7, 10x5



Aluminum Bravo Two

for Mercruiser
4.3L ~ 7.4L / D 2.8 L ~ D 7.3 L
350Mag, 454Mag, 502 Mag

Dual Prop for VOLVO PENTA A&B Series DP289, 290



High Performance

The SOLAS Ski Propeller is designed with a revolutionary new blade geometry to handle a wide range of conditions, from family recreation to sporting and competitive events.



SOLAS Ski Propeller Part No.

B	D	P	R	Shaft D	Shaft Taper	PART NO.
3	13	13	R	1"	1/16	A001-130-13
3	13	13	L	1"	1/16	A002-130-13
3	13	13	R	1 1/8"	1/16	B001-130-13
3	13	13	L	1 1/8"	1/16	B002-130-13

Michigan Wheel - SOLAS Ski Prop Cross Reference

MWC Part No.	Blades	Diameter	Pitch	Rotation	Shaft Diameter	Solas Part No.
310659	3	13	13	LH	1 1/8"	B002-130-13
310660	3	13	13	RH	1"	A001-130-13
310661	3	13	13	LH	1"	A002-130-13

SKI PROPELLERS



Plastic Propeller (2.5 ~ 3.5HP)

SOLAS has developed a plastic series of propeller to meet the special requirements of small horsepower applications.

SOLAS uses the most advanced design and manufacturing technology to produce the best propeller for portable outboard motors.

Brand of Motor	Engine HP	P/N
Tohatsu	2.5, 3.3	0001-073-06 -P
Mercury, Mariner	2.5, 3.3	B X D X P
OMC	3.5	3 X 7 1/4 X 6



Rubber Hub

After many years of research and development, SOLAS has developed an advanced series of rubber bushings with a strong and durable rubber compound.

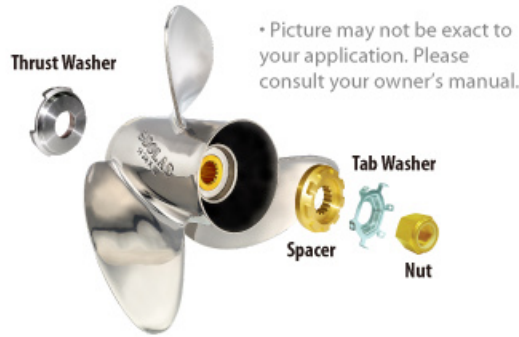
These rubber hubs are specially to install simply by pressing them into the hub with a minimum of effort. However, they still offer excellent gripping force to keep the propeller from slipping.



Group	Engine Brand	Part Number	Fit O/E Propeller
5~9.8HP	Tohatsu	T5-RB	YES
	BRP/OMC/Evinrude/Johnson	O8-RB	YES
	Yamaha	Y8-RB	NO
	Tohatsu	T8-RB	YES
A	Mercury/Mariner (~95) 25mm	MA-RB	YES
	Yamaha/Honda	YA-RB	YES
	BRP/OMC/Evinrude/Johnson	OA-RB	YES
	Suzuki	SA-RB	YES
	Suzuki (DF15A,DF20A)	SA-RB ⁺	YES
	Tohatsu/Nissan	TA-RB	YES
B	Mercury/Mariner	MB-RB	YES
	Yamaha	YB-RB	YES
	BRP/OMC/Evinrude/Johnson	OB-RB	YES
	Suzuki	SB-RB	YES
	Tohatsu/Nissan/Honda (S/S Prop)	TB-RB-1	YES
	Tohatsu/Nissan/Honda (Amita)	TB-RB-2	NO
C	Mercury/Mariner	MC-RB	YES
	Yamaha/Honda	YC-RB+HQ [*]	YES
	BRP/OMC/Evinrude/Johnson	OC-RB	YES
	Suzuki	YC-RB+HQ [*]	YES
	Yamaha/Honda/Tohatsu/Nissan	YC-RB+HQ [*]	YES

*: for High-Torque Series

Group	Engine Brand	Part Number	Fit O/E Propeller
D	Mercury/ Mariner/ Honda	MD-RB	YES
	Yamaha	YD-RB	YES
	BRP/OMC/Evinrude/Johnson	OD-RB	YES
	Suzuki	SD-RB	YES
	Tohatsu/Nissan	YD-RB	YES
	Force (~94)	YD-RB	YES
E	Mercury/Mariner/MerCruiser (Amita)	ME-RB-2	YES
	Mercury/Mariner/MerCruiser (S/S)	ME-RB-2	YES
	Yamaha (Amita)	YE-RB-2	YES
	Yamaha (S/S)	YE-RB-2	YES
	BRP/OMC/Evinrude/Johnson (Amita)	OE-RB-2	NO
	BRP/OMC/Evinrude/Johnson (S/S)	OE-RB-1	YES
	Suzuki (Amita)	SE-RB-2	YES
Suzuki (S/S)	SE-RB-2	YES	
F	Mercury Bravo Two	MF-RB	YES
Volvo Penta	Aquamatic SP (Long Hub)	VA-RB	NO
	SX Drive (Amita)	VE-RB-2	NO
	SX Drive (S/S)	VE-RB-1	YES



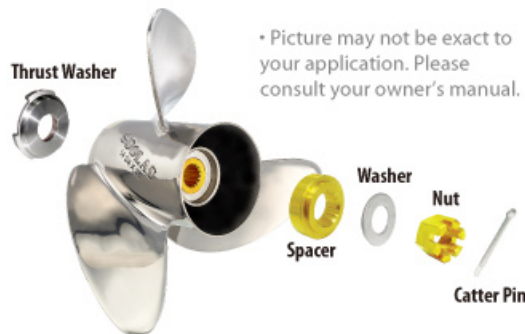
● **MERCURY Installation :**

It is very important to refer to your Engine's Owner Manual for important safety precautions when installing the propeller. Use the original propeller hardware thrust washer, spacer, locking tab, nut, and cotter pin depending on engine/drive manufacturer. This is a Mercury installation instruction.

- 1) Put the **Thrust washer** on propeller shaft, just as it came off. The taper on the **Thrust washer** should mate properly with the taper on the propeller shaft.
- 2) **Grease the propeller shaft.**
- 3) Slide the propeller assembly onto the propeller shaft.
- 4) Install **Spacer** if required. Consult your engine/drive manual.
- 5) Install the **Tab Washer** if required. Consult your engine/drive manual.
- 6) Make sure the shaft splines are engaged with spines in space.
- 7) Install the shaft **Nut** . Consult your engine/drive manual for proper torque.
- 8) Secure nut by bending tabs on the Tab Washer to engage slots in Spacer .

WARNING:

Always shift engine into the neutral position. Remove spark plug leads and ignition coil lead when you are servicing the propeller.



● **BRP/YAMAHA/SUZUKI/TOHATSU/HONDA /VOLVO/YANMAR Installation :**

It is very important to refer to your Engine's Owner Manual for important safety precautions when installing the propeller. Use the original propeller hardware thrust washer, spacer, locking tab, nut, and cotter pin depending on engine/drive manufacturer. This is BRP/ YAMAHA/ SUZUKI/ TOHATSU/ HONDA/ VOLVO/ YANMAR installation instruction.

- 1) Put the **Thrust washer** on propeller shaft, just as it came off. The taper on the **Thrust washer** should mate properly with the taper on the propeller shaft.
- 2) **Grease the propeller shaft.**
- 3) Slide the propeller assembly onto the propeller shaft.
- 4) Install **Spacer** if required. Consult your engine/drive manual.
- 5) Install the **Washer** if required. Consult your engine/drive manual.
- 6) Install the shaft **Nut** . Consult your engine/drive manual for proper torque.
- 7) Install the **Cotter Pin** if required. Consult your engine/drive manual.

WARNING:

Always shift engine into the neutral position. Remove spark plug leads and ignition coil lead when you are servicing the propeller.

MERCURY

	Thrust Washer	Spacer	Washer	Nut		Kits Part #
A 6-15 HP			Original Mercury Part			17011501
	MATW	MASP		MANT		
B 9.9-25 HP	Original Mercury Part	Original Mercury Part				17012501
			MBWS	MBNT		
C 25-17 HP		Installed on Prop				17013501
	MCTW		MCWS	MCNT		
D 40-140 HP		Installed on Prop				17014501
	MDTW		MEWS	MDNT		
E 135- HP						17015501
	METW	MESP	MEWS	MDNT		

* Refer to the propeller's application (A,B,C,D,E) on Page (P1~P8).

BRP/ JOHNSON/EVINRUDE

	Thrust Washer	Spacer	Washer	Nut	Cotter Pin	Kits Part #
A 9.9-15 HP			Original BRP Part			17021501
	OATW	OASP		OANT	APIN	
B 20-35 HP			Original BRP Part			17022501
	OBTW	OBSP		OBNT	APIN	
C 40-75 HP			Original BRP Part			17023501
	OCTW	OCSP		OCNT	EPIN	
D 45-140 HP			Original BRP Part			17024501
	ODTW	OCSP		OCNT	EPIN	
E 90-300 HP			Original BRP Part			17025501
	OETW	OESP		OENT	EPIN	

* Refer to the propeller's application (A,B,C,D,E) on Page (P9~P14).

YAMAHA

	Thrust Washer	Spacer	Washer	Nut	Cotter Pin	Kits Part #
A 9.9-15 HP		Original Yamaha Part				17031501
	YATW		YAWS	YANT	APIN	
B 20-30 HP			Original Yamaha Part			17032501
	YBTW	YBSP		YBNT	APIN	
C 40-60 HP						17033501
	YCTW	YCSP	YCWS	YCNT	CPIN	
D 60-100 HP						17034501
	YDTW	YDSP	YDWS	YCNT	CPIN	
D 100-130 HP						17035501
	YETW	YDSP	YDWS	YENT	EPIN	
E 150-300 HP						17035501
	YETW	YDSP	YDWS	YENT	EPIN	

* Refer to the propeller's application (A,B,C,D,E) on Page (P15~P20).

SUZUKI

	Thrust Washer	Spacer	Washer	Nut	Cotter Pin	Kits Part #
A 9.9-15 HP						17041501
	SATW	SASP	SAWS	SANT	APIN	
A DF15A DF20A HP						17041501A
	SATW	SASP	SAWS	SANT	APIN	
B 20-30 HP			Original Suzuki Part			17042501
	SBTW	SBSP		SBNT	APIN	
C 40-65 HP						17043501
	SCTW	SCSP	YDWS	YENT	EPIN	
D DF90,115 HP						17044501
	SDTW1	SDSP	YDWS	YENT	EPIN	
D DF140 HP						17044502
	SDTW2	SDSP	YDWS	YENT	EPIN	

* Refer to the propeller's application (A,B,C,D,E) on Page (P21~P24).

TOHATSU/ NISSAN

	Thrust Washer	Spacer	Washer	Nut	Cotter Pin	Kits Part #
A 9.9-18 HP						17051501
	TATW	TASP	TAWWS	TANT	APIN	
B 25-30 HP						17052501
	TBTW	TASP	TAWWS	TANT	APIN	
C 35-55 HP						17053501
	TCTW	TASP	YDWS	TCNT	CPIN	
D 60-140 HP						17054501
	TDTW	YDSP	YDWS	TCNT	CPIN	

* Refer to the propeller's application (A,B,C,D,E) on Page (P27~P30).

HONDA

	Thrust Washer	Spacer	Washer	Nut	Cotter Pin	Kits Part #
A 8-20 HP						17061501
	HATW	HASP	YAWS	YANT	APIN	
B 25-30 HP						17062501
	HBTW	HASP	TAWWS	TANT	APIN	
C 35-60 HP						17063501
	HCTW	YCSP	YDWS	YCNT	CPIN	
D 75-130 HP			Original Honda Part	Original Honda Part	Original Honda Part	17064501
	HDTW	HESP				
E 115-225 HP			Original Honda Part	Original Honda Part	Original Honda Part	17065501
	HETW	HESP				

* Refer to the propeller's application (A,B,C,D,E) on Page (P31~P36).



SATURN
General Purpose Propeller

A 6~15 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

6, 8, 9.9 HP (2-Stroke) 86 ~
9.9 HP (4-Stroke) 02 ~
Does not include Bigfoot.

10 HP95 ~
10, 15 HP (Sea Pro / Marathon) 95 ~

15 HP (2 & 4-Stroke) 86 ~

SATURN Stainless steel 3 blade PROP Rubber Hub (8 Tooth Spline)

B	D	P	R	PART NO.
3	9 1/4	7	R	1121-093-07
3	9 1/4	8	R	1121-093-08
3	9 1/4	9	R	1121-093-09
3	9 1/4	10	R	1121-093-10
3	9 1/4	11	R	1121-093-11

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)
A	MATW			MANT
	Original MERCURY Part	Original MERCURY Part		

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

9,9, 15 Japan Origin (Yamaha)(8 Tooth Spline)

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	3121-093-07
3	9 1/4	8	R	3121-093-08
3	9 1/4	9	R	3121-093-09
3	9 1/4	10	R	3121-093-10
3	9 1/4	11	R	3121-093-11

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
A	Original YAMAHA Part	Original YAMAHA Part	Original YAMAHA Part	YANT	Apin(1 1/8")

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

15,20hp (4-stroke) 2007~newer (14 Tooth Spline) Japan Origin

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	5121-093-07
3	9 1/4	8	R	5121-093-08
3	9 1/4	9	R	5121-093-09
3	9 1/4	10	R	5121-093-10
3	9 1/4	11	R	5121-093-11

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
A	Original TOHATSU Part	Original TOHATSU Part	Original TOHATSU Part	TANT	Apin(1 1/8")

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

B 9.9~25 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

20 HP (Mercury)..... 86 ~06
18 HP (Mercury) 80 ~ 85

25 HP (Mariner 2-Stroke)..... 85 ~
25 HP (Not 4-Stroke) 86 ~

25 HP (Sea Pro / Marathon).....
9.9~15 HP Big Foot with 20~25 Gear Case 99 ~ 2005

NEW SATURN Stainless steel 3 blade PROP Rubber Hub (10 Tooth Spline)

B	D	P	R	PART NO.
3	10 3/4	10	R	1231-108-10
3	10 1/2	11	R	1231-105-11
3	10 1/4	12	R	1231-103-12
3	10 1/8	13	R	1231-101-13
3	10	14	R	1231-100-14
3	10	15	R	1231-100-15

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)
B			MBWS	MBNT
	Original MERCURY Part	Installed on Prop		

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

25, 30 Japan Origin (Yamaha)(10 Tooth Spline)

NEW SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	10 3/4	10	R	3231-108-10
3	10 1/2	11	R	3231-105-11
3	10 1/4	12	R	3231-103-12
3	10 1/8	13	R	3231-101-13
3	10	14	R	3231-100-14
3	10	15	R	3231-100-15

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
B	Original YAMAHA Part	Original YAMAHA Part	Original YAMAHA Part	YBNT	Apin(1 1/8")

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

25,30hp (4-stroke) 2007~newer (14 Tooth Spline) Japan Origin

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	10	8	R	5221-100-08
3	10	9	R	5221-100-09
3	10	10	R	5221-100-10
3	10	11	R	5221-100-11
3	10	12	R	5221-100-12
3	10	13	R	5221-100-13

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
B	Original TOHATSU Part	Original TOHATSU Part	Original TOHATSU Part	TBNT	Apin(1 1/8")

* Required hardware to install propeller that SOLAS makes in hub B series propeller.



NEW SATURN
All-around Performance Propeller

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

2.5,3.3HP (Plastic Propeller)

B	D	P	R	PART NO.
3	7 1/4	6	R	0001-073-06-P



0001-073-06-P

8 ~ 9.8 Horsepower (12 Tooth Spline & Thru Hub Exhaust)

Mercury 8,9.8HP(4-Stroke; 12Tooth Spline) 2007 & New
8~9hp MERCURY 4 Stroke Tohatsu Origin (12 Tooth Spline)

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	8.5	7	R	5011-085-07
3	8.5	8	R	5011-085-08
3	8.5	9	R	5011-085-09

A 6~15 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

6, 8, 9.9 HP (2-Stroke) 86 ~
9.9 HP (4-Stroke) 02 ~

10 HP95 ~

10, 15 HP (Sea Pro / Marathon) 95 ~

15 HP (2 & 4-Stroke) 89 ~

Does not include Bigfoot.

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	1111-093-07
3	9.25	8	R	1111-093-08
3	9.25	9	R	1111-093-09
3	9.25	10	R	1111-093-10
3	9.25	11	R	1111-093-11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	1113-093-07
4	9.25	8	R	1113-093-08
4	9.25	9	R	1113-093-09
4	9.25	10	R	1113-093-10
4	9.25	11	R	1113-093-11

* For heavy boat ; high thrust

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10	5	R	1113-100-05
4	10	7	R	1113-100-07

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)
A	MATW	MASP	Original MERCURY Part	MANT

KITS part # : 17011501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

* 9.9, 15hp Japan Origini(Yamaha)(8 Tooth Spline)

B	D	P	R	PART NO.
3	9.25	7	R	3111-093-07
3	9.25	8	R	3111-093-08
3	9.25	9	R	3111-093-09
3	9.25	10	R	3111-093-10
3	9.25	11	R	3111-093-11

B	D	P	R	PART NO.
4	9.25	7	R	3113-093-07
4	9.25	8	R	3113-093-08
4	9.25	9	R	3113-093-09
4	9.25	10	R	3113-093-10
4	9.25	11	R	3113-093-11

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Collar Pin (4pack)
A	Original YAMAHA Part	Original YAMAHA Part	Original YAMAHA Part	YANT	Apin(1 1/8")

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

* Mercury 20hp 4 Stroke 2007~Newer (14 Tooth Spline)

* 15 hp Japan Origin(Tohatsu) (14 Tooth Spline)

B	D	P	R	PART NO.
3	9.25	7	R	5111-093-07
3	9.25	8	R	5111-093-08
3	9.25	9	R	5111-093-09
3	9.25	10	R	5111-093-10
3	9.25	11	R	5111-093-11

B	D	P	R	PART NO.
4	9.25	7	R	5113-093-07
4	9.25	8	R	5113-093-08
4	9.25	9	R	5113-093-09
4	9.25	10	R	5113-093-10
4	9.25	11	R	5113-093-11

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Collar Pin (4pack)
A	Original TOHATSU Part	Original TOHATSU Part	Original TOHATSU Part	TANT	Apin(1 1/8")

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

B 9.9~25 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

9.9~15 HP Big Foot with 20~25 Gear Case 99 ~ 2005
 20 HP (Mercury)..... 86 ~06 25 HP (Mariner 2-Stroke)..... 85 ~
 18 HP (Mercury) 80 ~ 85 25 HP (Not 4-Stroke) 86 ~
 25 HP (Sea Pro / Marathon)..... 20~25HP.....2007 & New

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	10.5	9	R	1211-110-09
3	10.5	11	R	1211-105-11
3	10.3	12	R	1211-103-12
3	10.1	13	R	1211-101-13
3	10	14	R	1211-100-14
3	10	15	R	1211-100-15

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	1213-102-11
4	10.1	12	R	1213-101-12
4	10	13	R	1213-100-13
4	10	14	R	1213-100-14
4	10	15	R	1213-100-15

B	Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/2pack)	Nut (1/1pack)
	Original MERCURY Part	Installed on Prop	MBWS	MBNT
KITS part # : 17012501				

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* 20, 30hp Japan Origini(Yamaha)(10 Tooth Spline)

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.9	9	R	3211-099-09
3	9.9	10	R	3211-099-10
3	9.9	11	R	3211-099-11
3	9.9	12	R	3211-099-12
3	9.9	13	R	3211-099-13

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	3213-102-11
4	10.1	12	R	3213-101-12
4	10	13	R	3213-100-13
4	10	14	R	3213-100-14
4	10	15	R	3213-100-15

B	Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/2pack)	Nut (1/1pack)	Cotter Pin (4/4pack)
	Original YAMAHA Part	Original YAMAHA Part	Original YAMAHA Part	YBNT	Apin(1 1/8")
* Required hardware to install propeller that SOLAS makes in hub B series propeller.					

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* 25,30hp Mercury 4 Stroke (10 Tooth Spline) 2007~Newer
 * 30hp Japan Origin(Tohatsu) (10 Tooth Spline)

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.9	9	R	5211-099-09
3	9.9	10	R	5211-099-10
3	9.9	11	R	5211-099-11
3	9.9	12	R	5211-099-12
3	9.9	13	R	5211-099-13

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	5213-102-11
4	10.1	12	R	5213-101-12
4	10	13	R	5213-100-13
4	10	14	R	5213-100-14
4	10	15	R	5213-100-15

B	Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/2pack)	Nut (1/1pack)	Cotter Pin (4/4pack)
	Original TOHATSU Part	Original TOHATSU Part	Original TOHATSU Part	TBNT	Apin(1 1/8")
* Required hardware to install propeller that SOLAS makes in hub B series propeller.					

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

15~25HP (Pin Drive)

MERC 15HP 1976-1981 ; MERC 15A HP 1979-1982
 MERC 20HP 1976-1979 ; MERC 25HP 1977-1979
 MERC W15 1977-1985

B	D	P	R	PART NO.
3	9.25	11	R	2111-093-11P



2111-093-11P

15~25HP (Spline Drive)

B	D	P	R	PART NO.
3	9.25	11	R	2111-093-11S



Pin Drive



Spline Drive

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 25~70 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

Model 402-500-700 77 ~ 84
 25 HP Bigfoot (4-Stroke) ... 99 ~
 30 HP (2 & 4-Stroke) 94 ~
 30 HP (Sea Pro/Marathon) .. 94 ~
 35 HP 84 ~ 89

40 HP (2 & 4-Stroke) (Not Bigfoot) .. 77 ~
 40 HP (Sea Pro/Marathon) 77 ~
 45 HP..... 86 ~ 89
 48 HP (Mariner) All Years
 50 HP (2 & 4-Stroke) (Not Bigfoot) .. 77 ~

55 HP (Mercury/Sea Pro/Marathon) .. 95 ~
 60 HP (2-Stroke) 78 ~
 70 HP ~ 83

NEW SATURN PROP Stainless steel 3 blade Rubber Hub (13 Tooth Spline)

B	D	P	R	PART NO.
3	12	8	R	1331-120-08
3	12	9	R	1331-120-09
3	11 7/8	10	R	1331-119-10
3	11 5/8	11	R	1331-116-11
3	11 3/8	12	R	1331-114-12
3	11 1/8	13	R	1331-111-13
3	11 1/8	14	R	1331-111-14
3	11	15	R	1331-110-15

SATURN PROP Stainless steel 3 blade Rubber Hub (13 Tooth Spline)

B	D	P	R	PART NO.
3	11 3/4	11	R	1321-118-11
3	11 1/2	12	R	1321-115-12
3	11 1/8	13	R	1321-113-13
3	11 1/8	14	R	1321-113-14
3	11	15	R	1321-110-15

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)
c	MCTW	Installed on Prop	MCWS	MCNT

KITS part #: 17013501

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

40 Japan Origin (Tohatsu)(13 Tooth Spline) NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	5331-120-08
3	12	9	R	5331-120-09
3	11 7/8	10	R	5331-119-10
3	11 5/8	11	R	5331-116-11
3	11 3/8	12	R	5331-114-12
3	11 1/8	13	R	5331-111-13
3	11 1/8	14	R	5331-111-14
3	11	15	R	5331-110-15

40 Japan Origin (Tohatsu)(13 Tooth Spline) SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11 3/4	11	R	5321-118-11
3	11 1/2	12	R	5321-115-12
3	11 1/8	13	R	5321-113-13
3	11 1/8	14	R	5321-113-14
3	11	15	R	5321-110-15

Prop hardware for pressed in hub propeller.

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
c	Original TOHATSU Part	Original TOHATSU Part	Original TOHATSU Part	TCNT	Cpin(1 1/2")

* Required hardware to install propeller that SOLAS makes in hub C series propeller.



NEW SATURN
All-around Performance Propeller

- * Three-blade stainless steel propeller
- * Offers good acceleration & all-around performance
- * Smaller pitch sizes offered in extra large diameter with increased blade area
- * Large ear design is ideal for pontoons, commercial hulls, and heavy loads

D 40~140 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

40 HP (Bigfoot 4-Stroke)
 50 HP (Bigfoot 4-Stroke)
 75 HP (2 & 4-Stroke) 84 ~
 75 HP (Sea Pro/Marathon) All Years
 80 HP 78 ~ 89
 80 HP (Mariner) 77 ~ 83

60 HP (Bigfoot/Sea Pro Only, NOT 4-Stroke) .95 ~
 60 HP (Sea Pro/Marathon) ... 95 ~
 90 HP (2 & 4-Stroke) 78 ~
 110 HP 88 ~
 115 HP 78 ~
 YAMAHA 80HP 1977; 80, 90, 115HP 1978-1983; 140HP 1978-79

125 HP 94 ~
 140 HP (Include Sea Pro & Offshore) .. 78 ~ 81
 115 HP 4-Stroke 01 ~

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	11	R	1431-140-11
3	13 3/4	13	R	1431-138-13
3	13 1/2	15	R	1431-135-15
3	13 1/4	17	R	1431-133-17
3	13	19	R	1431-130-19
3	13	21	R	1431-130-21

TITAN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	1441-138-13
3	13 3/4	15	R	1441-138-15
3	13 1/4	17	R	1441-133-17
3	13 1/4	19	R	1441-133-19

HRTITAN4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	1453-135-13
4	13 1/4	15	R	1453-133-15
4	13	17	R	1453-130-17
4	13	19	R	1453-130-19
4	13	21	R	1453-130-21

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)
D	MDTW	Installed on Prop	MEWS	MDNT

KITS part #: 17014501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 25~70 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

Model 402-500-700 77 ~ 84	40 HP (2 & 4-Stroke) (Not Bigfoot) .. 77 ~	55 HP (Mercury/Sea Pro/Marathon) .. 95 ~
25 HP Bigfoot (4-Stroke) ... 99 ~	40 HP (Sea Pro/Marathon) 77 ~	60 HP (2-Stroke) 78 ~
30 HP (2 & 4-Stroke) 94 ~	45 HP 86 ~ 89	70 HP ~ 83
30 HP (Sea Pro/Marathon) .. 94 ~	48 HP (Mariner) All Years	
35 HP 84 ~ 89	50 HP (2 & 4-Stroke) (Not Bigfoot) .. 77 ~	

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12.2	7	R	1311-122-07
3	12.2	8	R	1311-122-08
3	12.1	9	R	1311-121-09
3	11.6	11	R	1311-116-11
3	11.4	12	R	1311-114-12
3	11.1	13	R	1311-111-13
3	11.1	14	R	1311-111-14
3	11	15	R	1311-110-15

AMITA3-C Plus Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	1311-120-10
3	11.8	11	R	1311-118-11
3	11.6	12	R	1311-116-12
3	11.6	13	R	1311-116-13
3	11.6	14	R	1311-116-14

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	11.8	9	R	1313-118-09
4	11.4	10	R	1313-114-10
4	11.1	11	R	1313-111-11
4	10.8	12	R	1313-108-12
4	10.5	13	R	1313-105-13
4	10.5	14	R	1313-105-14

Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/1pack)	Nut (1/1pack)
MCTW		MCWS	MCNT
Installed on Prop			
KITS part # : 17013501			

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 60~140 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

60 HP (Bigfoot/Sea Pro Only, NOT 4-Stroke) .95 ~	80 HP 78 ~ 89	140 HP (Include Sea Pro & Offshore) .. 78 ~ 81
60 HP (Sea Pro/Marathon) ... 95 ~	90 HP (2 & 4-Stroke) 78 ~	110 HP 88 ~
70 HP 87 ~ 89	115 HP 78 ~	80 HP (Mariner) 77 ~ 83
75 HP (2 & 4-Stroke) 84 ~	115 HP 4-Stroke 01 ~	
75 HP (Sea Pro/Marathon) All Years	125 HP 94 ~	

YAMAHA 80HP 1977; 80, 90, 115HP 1978-1983; 140HP 1978-79

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	1411-140-09
3	14	11	R	1411-140-11
3	13.75	13	R	1411-138-13
3	13.5	15	R	1411-135-15
3	13.25	17	R	1411-133-17
3	13	19	R	1411-130-19
3	13	21	R	1411-130-21

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.2	19	R	1411-132-19
3	13.2	21	R	1411-132-21

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	1413-133-13
4	13	15	R	1413-130-15
4	12.75	17	R	1413-128-17
4	12.5	19	R	1413-125-19
4	12.5	21	R	1413-125-21



* Larger Blade Design
* High Performance

Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/1pack)	Nut (1/1pack)
MDTW		MEWS	MDNT
Installed on Prop			
KITS part # : 17014501			

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

E 135~ Horsepower (15 Tooth Spline & Thru Hub Exhaust)

135 HP 87 ~	225 HP All Years	MERCURISER
150 HP 78 ~	250 HP 94 ~	ALPHA ONE 262 Mag, 350 Mag, 454Mag
175 HP 78 ~	275 HP 90 ~ 94	BRAVO ONE (Rubber HUB) 1988 & Newer,
200 HP 78 ~	300 HP 83, 99 ~	365HP & Lower 5.7L ~ 7.4L
220 HP 87 ~ 88	3.4 Litre 84 ~ 86	
225 HP 80 ~		

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	14 1/2	15	R	1531-145-15
3	14 1/2	15	L	1532-145-15
3	14 1/4	17	R	1531-143-17
3	14 1/4	17	L	1532-143-17
3	14	19	R	1531-140-19
3	14	19	L	1532-140-19
3	14	21	R	1531-140-21
3	14	21	L	1532-140-21
3	14	23	R	1531-140-23
3	14	23	L	1532-140-23
3	14	25	R	1531-140-25

NEW SATURN-E Plus
Suggested for 135 ~ 150 HP Motors for Heavy Boat

B	D	P	R	PART NO.
3	15 5/8	11	R	1531-156-11
3	15 5/8	13	R	1531-156-13
3	15 5/8	13	L	1532-156-13

HR TITAN 3 Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	15	14	R	1551-150-14
3	15	14	L	1552-150-14
3	14 3/4	16	R	1551-148-16
3	14 3/4	16	L	1552-148-16
3	14 3/4	17	R	1551-148-17
3	14 3/4	17	L	1552-148-17
3	14 3/4	18	R	1551-148-18
3	14 3/4	18	L	1552-148-18
3	14 3/4	19	R	1551-148-19
3	14 3/4	19	L	1552-148-19
3	14 3/4	20	R	1551-148-20
3	14 3/4	20	L	1552-148-20
3	14 1/2	21	R	1551-145-21
3	14 1/2	21	L	1552-145-21
3	14 1/4	22	R	1551-143-22
3	14 1/4	22	L	1552-143-22
3	14	24	R	1551-140-24
3	14	24	L	1552-140-24

HR TITAN 4 Stainless steel 4 blade
PROP Rubber Hub

B	D	P	R	PART NO.
4	14 1/2	15	R	1553-145-15
4	14 1/2	15	L	1554-145-15
4	14 1/4	17	R	1553-143-17
4	14 1/4	17	L	1554-143-17
4	14 1/8	18	R	1553-141-18
4	14 1/8	18	L	1554-141-18
4	14 1/8	19	R	1553-141-19
4	14 1/8	19	L	1554-141-19
4	14	20	R	1553-140-20
4	14	20	L	1554-140-20
4	14	21	R	1553-140-21
4	14	21	L	1554-140-21
4	14	22	R	1553-140-22
4	14	22	L	1554-140-22
4	14	23	R	1553-140-23
4	14	23	L	1554-140-23
4	14	25	R	1553-140-25
4	14	25	L	1554-140-25
4	14	27	R	1553-140-27

LEXOR Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	15 3/4	15	R	1571-158-15
3	15 3/4	15	L	1572-158-15
3	15 5/8	16	R	1571-156-16
3	15 5/8	16	L	1572-156-16
3	15 1/2	17	R	1571-155-17
3	15 1/2	17	L	1572-155-17
3	15 3/8	18	R	1571-154-18
3	15 3/8	18	L	1572-154-18
3	15 1/4	19	R	1571-153-19
3	15 1/4	19	L	1572-153-19
3	15 1/8	20	R	1571-151-20
3	15 1/8	20	L	1572-151-20
3	15	21	R	1571-150-21
3	15	21	L	1572-150-21
3	14 7/8	22	R	1571-149-22
3	14 7/8	22	L	1572-149-22
3	14 3/4	23	R	1571-148-23
3	14 3/4	23	L	1572-148-23
3	14 1/2	25	R	1571-145-25
3	14 1/2	25	L	1572-145-25
3	14 1/2	27	R	1571-145-27
3	14 1/2	27	L	1572-145-27

Scorpion Stainless steel 3 blade
PROP Rubber Hub

Check the RUBEX chart
S3 Prop for SCORPION.
www.rubexprops.com

F MERCURISER (BRAVO II)
(19 Tooth Spline & Thru Hub Exhaust)

BRAVO TWO : 4.3 L ~ 7.4 L / D 2.8 L ~ D 7.3 L

TITAN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	19 1/4	15	R	1641-193-15
3	19 1/4	15	L	1642-193-15
3	18 3/4	17	R	1641-188-17
3	18 3/4	17	L	1642-188-17
3	18 1/4	19	R	1641-183-19
3	18 1/4	19	L	1642-183-19
3	17 3/4	21	R	1641-178-21
3	17 3/4	21	L	1642-178-21
3	17 1/2	23	R	1641-175-23
3	17 1/2	23	L	1642-175-23
3	17 1/4	25	R	1641-173-25
3	17 1/4	25	L	1642-173-25



LEXOR
All-around Performance

Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)
METW	MESP	MEWS	MDNT

KITS part # : 17015501
Prop hardware for pressed in hub propeller.
* Required hardware to install propeller that SOLAS makes in hub E series propeller.



BRAVO II
Large Area Blade Design

* Three blade stainless steel propeller
* Improves acceleration by putting more blade area in the water. It can deliver a very powerful thrust.

E 135~ Horsepower (15 Tooth Spline & Thru Hub Exhaust)

135 HP 87 ~	225 HP All Years	MERCURISER
150 HP 78 ~	250 HP 94 ~	ALPHA ONE 2.5L~5.7L, D2.8L~D7.3L, 262 Mag, 350Mag, 454Mag
175 HP 78 ~	275 HP 90 ~ 94	BRAVO ONE (Rubber HUB) 1988 & Newer
200 HP 78 ~	300 HP 83, 99 ~	365HP & Lower 5.7L~7.4L 320 EFI, 350Mag, 454Mag
220 HP 87 ~ 88	3.4 Litre 84 ~ 86	
225 HP 80 ~		

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	1511-155-13
3	15	15	R	1511-150-15
3	15	15	L	1512-150-15
3	14.8	17	R	1511-148-17
3	14.8	17	L	1512-148-17
3	14.5	19	R	1511-145-19
3	14.5	19	L	1512-145-19
3	14.3	21	R	1511-143-21
3	14.3	21	L	1512-143-21
3	14.2	23	R	1511-142-23
3	14.2	23	L	1512-142-23

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	1511-160-13
3	15.8	15	R	1511-158-15
3	15.8	15	L	1512-158-15
3	15.5	17	R	1511-155-17
3	15.5	17	L	1512-155-17
3	15.3	19	R	1511-153-19
3	15.3	19	L	1512-153-19
3	15.3	21	R	1511-153-21
3	15.3	21	L	1512-153-21
3	15.3	23	R	1511-153-23

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	1513-148-15
4	14.75	15	L	1514-148-15
4	14.5	17	R	1513-145-17
4	14.5	17	L	1514-145-17
4	14.25	19	R	1513-143-19
4	14.25	19	L	1514-143-19
4	14	21	R	1513-140-21
4	14	21	L	1514-140-21
4	14	23	R	1513-140-23

Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)
METW	MESP	MEWS	MDNT

KITS part # : 17015501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub E series propeller.

F MERCURISER (BRAVO II)

(19 Tooth Spline & Thru Hub Exhaust)

BRAVO TWO: 4.3 L ~ 7.4 L / D 2.8 L ~ D 7.3 L

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	19.5	13	R	1611-195-13
3	19.5	13	L	1612-195-13
3	19.3	15	R	1611-193-15
3	19.3	15	L	1612-193-15
3	18.8	17	R	1611-188-17
3	18.8	17	L	1612-188-17
3	18.25	19	R	1611-183-19
3	18.25	19	L	1612-183-19
3	17.8	21	R	1611-178-21
3	17.8	21	L	1612-178-21

BRAVO is a registered trademark of the Brunswick Corporation.



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	
	Speedster SK	2000		CONCORD	MC-CD-22/39	
Mercury V6	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	

Mercury Sport Jet is a registered trademark of Mercury Marine, Inc.



MC-CD-22/39 for Mercury Sport jet

"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."

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

F MERCUISER (BRAVO III)

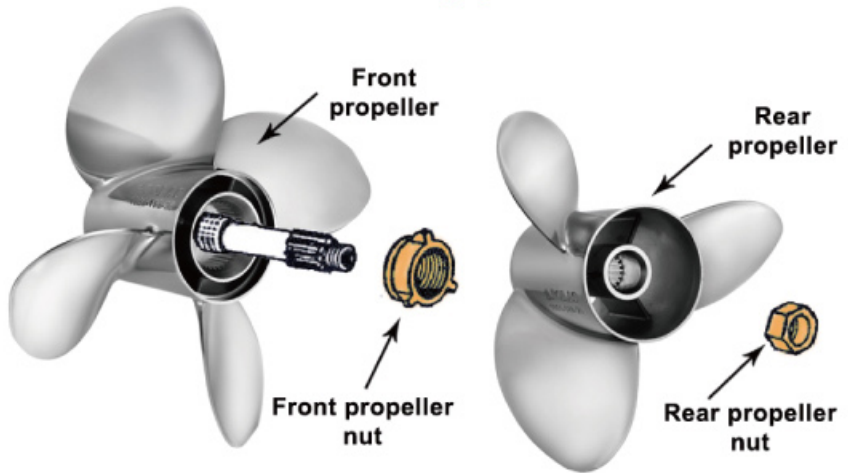
(19 Tooth Spline & Thru Hub Exhaust)

Fit all Bravo 3 Stern drives.

B3 Stainless steel 3 blade
Rubber Hub

B	D	P		PART NO.
3	14 3/8	20	Rear	1651-144-20
3	14 3/8	21	Rear	1651-144-21 *
3	14 1/4	22	Rear	1651-143-22
3	14 1/4	23	Rear	1651-143-23 *
3	14	24	Rear	1651-140-24
3	14	25	Rear	1651-140-25 *
3	14	26	Rear	1651-140-26
3	13 3/4	27	Rear	1651-138-27 *
3	13 3/4	28	Rear	1651-138-28
4	16	20	Front	1654-160-20
4	16	21	Front	1654-160-21 *
4	15 3/4	22	Front	1654-158-22
4	15 3/4	23	Front	1654-158-23 *
4	15 1/2	24	Front	1654-155-24
4	15 1/2	25	Front	1654-155-25 *
4	15 1/2	26	Front	1654-155-26
4	15	27	Front	1654-150-27 *
4	15	28	Front	1654-150-28

NEW!



* Coming soon in December 2012.

SOLAS B3 BRAVO III Dual Props

BRAVO III is a registered trademark of the Brunswick Corporation.



* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

A 9.9~15 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

9.9, 15 HP (2-Stroke) 74 ~
9.9, 15 HP (4-Stroke) 00 ~ 01

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	2121-093-07
3	9 1/4	8	R	2121-093-08
3	9 1/4	9	R	2121-093-09
3	9 1/4	10	R	2121-093-10
3	9 1/4	11	R	2121-093-11

Prop hardware for pressed in hub propeller.

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
A	OATW	OASP	Original BRP Part	OANT	Apin(1 1/8")

KITS part #: 17021501

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

Johnson 9.9, 15 HP (4-Stroke) ... 02 ~ 03 (10 Tooth Spline)

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	4121-093-07
3	9 1/4	8	R	4121-093-08
3	9 1/4	9	R	4121-093-09
3	9 1/4	10	R	4121-093-10
3	9 1/4	11	R	4121-093-11

Prop hardware for pressed in hub propeller.

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
A	Original BRP Part	Original BRP Part	Original BRP Part	SANT	Apin(1 1/8")

* Required hardware to install propeller that SOLAS makes in hub A series propeller.



2121-093-10

SATURN
General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

B 20~35 Horsepower (14 Tooth Spline & Thru Hub Exhaust)

20 HP 2 Cyl..... 84 ~ 97
25 HP (Commercial) 93 ~

25 HP 2 & 3 Cyl 84 ~
30 HP 2 Cyl 84 ~

35HP 2 & 3 Cyl 76 ~

NEW SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	10 3/4	10	R	2231-108-10
3	10 1/2	11	R	2231-105-11
3	10 1/4	12	R	2231-103-12
3	10 1/8	13	R	2231-101-13
3	10	14	R	2231-100-14
3	10	15	R	2231-100-15

Prop hardware for pressed in hub propeller.

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
B	OBTW	OBSP	Original BRP Part	OBNT	Apin(1 1/8")

KITS part #: 17022501

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

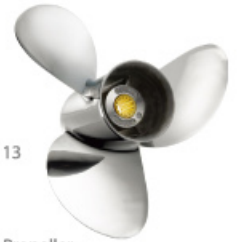
Johnson 25, 30 HP (4-Stroke)(10 Tooth Spline) NEW SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	10 3/4	10	R	4231-108-10
3	10 1/2	11	R	4231-105-11
3	10 1/4	12	R	4231-103-12
3	10 1/8	13	R	4231-101-13
3	10	14	R	4231-100-14
3	10	15	R	4231-100-15

Prop hardware for pressed in hub propeller.

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
B	Original BRP Part	Original BRP Part	Original BRP Part	SBNT	Apin(1 1/8")

* Required hardware to install propeller that SOLAS makes in hub B series propeller.



2231-101-13

NEW SATURN
All-around Performance Propeller

- * Three-blade stainless steel propeller
- * Offers good acceleration & all-around performance
- * Smaller pitch sizes offered in extra large diameter with increased blade area
- * Large ear design is ideal for pontoons, commercial hulls, and heavy loads

Overall Performance

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

8 5~8 Horsepower (Pin Drive)

5, 6HP(4-Stroke)1997~newer
6, 7.5, 8 HP (2-Stroke)1980 ~ Newer

B	D	P	R	PART NO.
3	8.0	7	R	2011-080-07P
3	8.5	9	R	2011-085-09P



2011-085-09P



Pin Drive

OMC 6HP 1966-1979 ; OMC 9.5HP 1964-1973
OMC 10HP 1958-1963 ; OMC 10HP,12HP, 14HP
1982-1984 EUROPEAN MARKET ONLY

B	D	P	R	PART NO.
3	8.25	8	R	2011-083-08P



3.5HP (Plastic Propeller)

B	D	P	R	PART NO.
3	7 1/4	6	R	0001-073-06-P



0001-073-06-P

A 9.9~15 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

9.9, 15 HP (2-Stroke) 74 ~

9.9, 15 HP (4-Stroke) 00 ~ 01

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	2111-093-07
3	9.25	8	R	2111-093-08
3	9.25	9	R	2111-093-09
3	9.25	10	R	2111-093-10
3	9.25	11	R	2111-093-11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	2113-093-07
4	9.25	8	R	2113-093-08
4	9.25	9	R	2113-093-09
4	9.25	10	R	2113-093-10
4	9.25	11	R	2113-093-11

For heavy boat ; high thrust

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10	5	R	2113-100-05
4	10	7	R	2113-100-07

Thru Washer (13tooth)	Spacer (13tooth)	Washer (2pack)	Nut (13tooth)	Collar Pin (6pack)
OATW	OASP	Original BRP Part	OANT	Apin(1 1/8")

KITS part # : 17021501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

Johnson 9.9, 15 HP (4-Stroke) ... 02 ~ 03
(10 Tooth Spline)
Please check Suzuki section(Page: P20)

B 20~35 Horsepower (14 Tooth Spline & Thru Hub Exhaust)

20 HP 2 Cyl..... 84 ~ 97

25 HP 2 & 3 Cyl 84 ~

25 HP (Commercial) 93 ~

30 HP 2 Cyl 84 ~

35HP 2 & 3 Cyl 76 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11	9	R	2211-110-09
3	10.5	11	R	2211-105-11
3	10.3	12	R	2211-103-12
3	10.1	13	R	2211-101-13
3	10	14	R	2211-100-14
3	10	15	R	2211-100-15

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	2213-102-11
4	10.1	12	R	2213-101-12
4	10	13	R	2213-100-13
4	10	14	R	2213-100-14
4	10	15	R	2213-100-15

10~28HP (Spline Drive) ^{13 Tooth Spline}

OMC 28HP 1986-1996 ; OMC 10HP 1951-1957
OMC 15HP 1953-1956 ; OMC 18HP 1957-1973
OMC 20HP 1969-1973 ; OMC 25HP 1969-1977

B	D	P	R	PART NO.
3	9	10	R	2111-090-10S
3	9.25	11	R	2111-093-11S

Thru Washer (14tooth)	Spacer (14tooth)	Washer (2pack)	Nut (14tooth)	Collar Pin (6pack)
OBTW	OBSP	Original BRP Part	OBNT	Apin(1 1/8")

KITS part # : 17022501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

Johnson 25, 30 HP (4-Stroke)(10 Tooth Spline)
Please check Suzuki section(Page: P20)



Pin Drive



Spline Drive

C 40~75 Horsepower (Small Gearcase; 13 Tooth Spline & Thru Hub Exhaust)

40 HP 2Cyl 84 ~
48 HP 87 ~ 96
50 HP 2Cyl 75 ~
55 HP 2 Cyl 76 ~ 79

60 HP 2 Cyl 80 ~ 85
75 HP 3 Cyl 75 ~ 85
60 HP 2 Cyl 80 ~ 85
Sprint 86 ~ 92

Formula E 86 ~ 92
60 HP (Not Bigfoot or Sea Pro) ... 78~
60 HP (2- Stroke) 78~
70 HP ~83

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	12 1/2	13	R	2331-125-13
3	12 1/4	15	R	2331-123-15
3	12	17	R	2331-120-17

Prop hardware for pressed in hub propeller.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
OCTW	OCSP	Original BRP Part	OCNT	Epin(2")

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

Johnson 40, 50 HP (4-Stroke)(13 Tooth Spline)

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	4331-120-08
3	12	9	R	4331-120-09
3	11 7/8	10	R	4331-119-10
3	11 5/8	11	R	4331-116-11
3	11 3/8	12	R	4331-114-12
3	11 1/8	13	R	4331-111-13
3	11 1/8	14	R	4331-111-14
3	11	15	R	4331-110-15

Prop hardware for pressed in hub propeller.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
Original BRP Part	Original BRP Part	Original BRP Part	YENT	Epin(2")

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 45~140 Horsepower (Large Gearcase; 13 Tooth Spline & Thru Hub Exhaust)

45 HP 2 Cyl Commercial 86 ~
55 HP 2 Cyl Commercial 80 ~
65 HP 3 Cyl Commercial 84 ~
50 HP 3 Cyl Pleasure 94 ~
60 HP 3 Cyl Pleasure 70 ~ 71, 86 ~
60, 70 HP 4 Stroke 98~
70 HP 3 Cyl Pleasure 74 ~
75 HP 3 Cyl Pleasure 75 ~ 84
85 HP 69 ~ 80, 91 ~ 95
88 HP 81 ~ 96

90 HP 81 ~
100 HP 79 ~ 80, 88 ~ 93
110 HP 86 ~ 89
112 HP 94 ~ 96
115 HP 73 ~
120 HP 86 ~ 94
140 HP 77 ~ 94
40 HP (E-TEC) 04 ~
50 HP (E-TEC) 04 ~
60 HP (E-TEC) 04 ~

70 HP (E-TEC) 04 ~
75 HP (E-TEC) 04 ~
90 HP (E-TEC) 04 ~
E90 DPL, DSL 06 ~
E115DPL, DSL 06 ~
Model 400 2.3L ~ 3.0L
Cobra 2.3L ~ 3.0L
Sea Drive 1.6L ~ 1.8L
115HP (E-TEC)..... 2004~newer
130HP (E-TEC)..... 2004~newer

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	14	11	R	2431-140-11
3	13 3/4	13	R	2431-138-13
3	13 1/2	15	R	2431-135-15
3	13 1/4	17	R	2431-133-17
3	13	19	R	2431-130-19
3	13	21	R	2431-130-21

TITAN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	2441-138-13
3	13 3/4	15	R	2441-138-15
3	13 1/4	17	R	2441-133-17
3	13 1/4	19	R	2441-133-19

HR TITAN 4 Stainless steel 4 blade
PROP Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	2453-135-13
4	13 1/4	15	R	2453-133-15
4	13	17	R	2453-130-17
4	13	19	R	2453-130-19
4	13	21	R	2453-130-21

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
ODTW	OCSP	Original BRP Part	OCNT	Epin(2")

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

Johnson DF90, 115, 140 HP (4 Stroke) ; (15 Tooth Spline)
High Thrust ; Offshore Application



HR TITAN 3
High Speed Application

Prop hardware for pressed in hub propeller.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
Original BRP Part	Original BRP Part	Original BRP Part	OCNT	Epin(2")

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

HR TITAN 3 Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	13 7/8	15	R	3451-139-15
3	13 7/8	15	L	3452-139-15
3	13 7/8	17	R	3451-139-17
3	13 7/8	17	L	3452-139-17
3	13 7/8	19	R	3451-139-19
3	13 7/8	19	L	3452-139-19
3	13 7/8	21	R	3451-139-21
3	13 7/8	21	L	3452-139-21
3	13 7/8	23	R	3451-139-23
3	13 7/8	23	L	3452-139-23
3	13 7/8	25	R	3451-139-25


C 40~75 Horsepower (Small Gearcase ; 13 Tooth Spline & Thru Hub Exhaust)

40 HP 2Cyl 84 ~	60 HP 2 Cyl 80 ~ 85	Formula E 86 ~ 92
48 HP 87 ~ 96	75 HP 3 Cyl 75 ~ 85	60 HP (Not Bigfoot or Sea Pro) ...78~
50 HP 2Cyl 75 ~	60 HP 2 Cyl 80 ~ 85	60 HP (2- Stroke)78~
55 HP 2 Cyl76 ~ 79	Sprint 86 ~92	70 HP ~83

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13	11	R	2311- 130- 11
3	12.5	13	R	2311- 125- 13
3	12.25	15	R	2311- 123- 15
3	12	17	R	2311- 120- 17

Prop hardware for pressed in hub propeller.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
				
OCTW	OCSP	Original BRP Part	OCNT	Epin(2")

KITS part #: 17023501





* Required hardware to install propeller that SOLAS makes in hub C series propeller.

Johnson 40, 50 HP (4-Stroke)(13 Tooth Spline)

AMITA3-C Plus Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	4311- 120- 10
3	11.8	11	R	4311- 118- 11
3	11.6	12	R	4311- 116- 12
3	11.6	13	R	4311- 116- 13
3	11.6	14	R	4311- 116- 14

Prop hardware for pressed in hub propeller.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
				
Original BRP Part	Original BRP Part	Original BRP Part	YENT	Epin(2")

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 45~140 Horsepower (Large Gearcase ; 13 Tooth Spline & Thru Hub Exhaust)

45 HP 2 Cyl Commercial86 ~	90 HP 81 ~	70 HP (E- TEC) 04 ~
55 HP 2 Cyl Commercial 80 ~	100 HP 79 ~ 80, 88 ~ 93	75 HP (E- TEC) 04 ~
65 HP 3 Cyl Commercial 84 ~	110 HP 86 ~ 89	90 HP (E- TEC) 04 ~
50 HP 3 Cyl Pleasure 94 ~	112 HP 94 ~ 96	E90 DPL, DSL 06 ~
60 HP 3 Cyl Pleasure 70 ~ 71, 86 ~	115 HP 73 ~	E115DPL, DSL 06 ~
60, 70 HP 4 Stroke98~	120 HP 86 ~ 94	Model 400 2.3L ~ 3.0L
70 HP 3 Cyl Pleasure 74 ~	140 HP 77 ~ 94	Cobra 2.3L ~ 3.0L
75 HP 3 Cyl Pleasure 75 ~ 84	40 HP (E- TEC) 04 ~	Sea Drive 1.6L ~ 1.8L
85 HP69 ~ 80, 91 ~ 95	50 HP (E- TEC) 04 ~	115HP (E-TEC)..... 2004~newer
88 HP 81 ~ 96	60 HP (E- TEC) 04 ~	130HP (E-TEC)..... 2004~newer

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	2411- 140- 09
3	14	11	R	2411- 140- 11
3	13.75	13	R	2411- 138- 13
3	13.5	15	R	2411- 135- 15
3	13.25	17	R	2411- 133- 17
3	13	19	R	2411- 130- 19
3	13	21	R	2411- 130- 21

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.2	19	R	2411- 132- 19
3	13.2	21	R	2411- 132- 21

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	2413- 133- 13
4	13	15	R	2413- 130- 15
4	12.75	17	R	2413- 128- 17
4	12.5	19	R	2413- 125- 19
4	12.5	21	R	2413- 125- 21

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
				
ODTW	OCSP	Original BRP Part	OCNT	Epin(2")

KITS part #: 17024501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.






Johnson DF90, 115, 140 HP (4 Stroke) ; (15 Tooth Spline)

High Thrust ; Offshore Application

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.75	15	R	3413- 138- 15
4	13.75	17	R	3413- 138- 17
4	13.75	19	R	3413- 138- 19
4	13.75	21	R	3413- 138- 21

Prop hardware for pressed in hub propeller.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
				
Original BRP Part	Original BRP Part	Original BRP Part	OCNT	Epin(2")

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

E 90~ 300 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

90 HP V4 95 ~	155 HP V6 (commercial) ... 78 ~	275 HP V8 86 ~ 88
100 HP V4 Commercial ... 84 ~	175 HP V6 77 ~	300 HP V8 86 ~ 95
115 HP V4 95 ~	185 HP V6 84 ~ 85	3.6 Liter V8 86 ~ 87
130 HP V4 95 ~	200 HP V6 76 ~	200 HP (E-TEC) 05 ~
120-140 HP V4 85	225 HP V6 86 ~	225 HP (E-TEC) 05 ~
135 HP V6 01 ~	235 HP V6 78 ~ 85	250 HP (E-TEC) 05 ~
140 HP 89 ~ 94	250 HP V6 01 ~	E90 DPX (E-TEC)..... 06 ~
150 HP V6 78 ~	2.6 Liter V-6 84 ~ 85	E115 DSX,DPX,DCX (E-TEC)..... 06 ~
150 HP V6 (Commercial) ... 93 ~	250 HP V8 91 ~	

Model 800, King Cobra, Cobra (Non SX Drive)3.0L ~ 8.2L Sea Drive 2.0L ~ 4.0L For SX Drive please check Volvo Penta Section

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	14 1/2	15	R	2531-145-15
3	14 1/2	15	L	2532-145-15
3	14 1/4	17	R	2531-143-17
3	14 1/4	17	L	2532-143-17
3	14	19	R	2531-140-19
3	14	19	L	2532-140-19
3	14	21	R	2531-140-21
3	14	21	L	2532-140-21
3	14	23	R	2531-140-23
3	14	23	L	2532-140-23
3	14	25	R	2531-140-25

NEW SATURN-E Plus
Suggested for 135 ~ 150 HP Motors for Heavy Boat

B	D	P	R	PART NO.
3	15 5/8	11	R	2531-156-11
3	15 5/8	13	R	2531-156-13
3	15 5/8	13	L	2532-156-13

HR TITAN 3 Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	15	14	R	2551-150-14
3	15	14	L	2552-150-14
3	14 3/4	16	R	2551-148-16
3	14 3/4	16	L	2552-148-16
3	14 3/4	17	R	2551-148-17
3	14 3/4	17	L	2552-148-17
3	14 3/4	18	R	2551-148-18
3	14 3/4	18	L	2552-148-18
3	14 3/4	19	R	2551-148-19
3	14 3/4	19	L	2552-148-19
3	14 3/4	20	R	2551-148-20
3	14 3/4	20	L	2552-148-20
3	14 1/2	21	R	2551-145-21
3	14 1/2	21	L	2552-145-21
3	14 1/4	22	R	2551-143-22
3	14 1/4	22	L	2552-143-22
3	14	24	R	2551-140-24
3	14	24	L	2552-140-24

HR TITAN 4 Stainless steel 4 blade
PROP Rubber Hub

B	D	P	R	PART NO.
4	14 1/2	15	R	2553-145-15
4	14 1/2	15	L	2554-145-15
4	14 1/4	17	R	2553-143-17
4	14 1/4	17	L	2554-143-17
4	14 1/8	18	R	2553-141-18
4	14 1/8	18	L	2554-141-18
4	14 1/8	19	R	2553-141-19
4	14 1/8	19	L	2554-141-19
4	14	20	R	2553-140-20
4	14	20	L	2554-140-20
4	14	21	R	2553-140-21
4	14	21	L	2554-140-21
4	14	22	R	2553-140-22
4	14	22	L	2554-140-22
4	14	23	R	2553-140-23
4	14	23	L	2554-140-23
4	14	25	R	2553-140-25
4	14	25	L	2554-140-25
4	14	27	R	2553-140-27

LEXOR Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	15 3/4	15	R	2571-158-15
3	15 3/4	15	L	2572-158-15
3	15 5/8	16	R	2571-156-16
3	15 5/8	16	L	2572-156-16
3	15 1/2	17	R	2571-155-17
3	15 1/2	17	L	2572-155-17
3	15 3/8	18	R	2571-154-18
3	15 3/8	18	L	2572-154-18
3	15 1/4	19	R	2571-153-19
3	15 1/4	19	L	2572-153-19
3	15 1/8	20	R	2571-151-20
3	15 1/8	20	L	2572-151-20
3	15	21	R	2571-150-21
3	15	21	L	2572-150-21
3	14 7/8	22	R	2571-149-22
3	14 7/8	22	L	2572-149-22
3	14 3/4	23	R	2571-148-23
3	14 3/4	23	L	2572-148-23
3	14 1/2	25	R	2571-145-25
3	14 1/2	25	L	2572-145-25
3	14 1/2	27	R	2571-145-27
3	14 1/2	27	L	2572-145-27

Scorpion Stainless steel 3 blade
PROP Rubber Hub

Check the RUBEX chart
S3 Prop for SCORPION.
www.rubexprops.com

Prop hardware for pressed in hub propeller.

Thrust Washer (1/2inch)	Spacer (3/16inch)	Washer (3/16inch)	Nut (1/2inch)	Cotter Pin (1/16inch)
OETW	OESP	Original BRP Part	OENT	Epim(2")

KITS part #: 17025501

* Required hardware to install propeller that SOLAS makes in hub E series propeller.



LEXOR
All-around Performance

- * Three blade stainless steel propeller
- * Large diameter and blade area for big boat loads
- * Great high speed performance without sacrificing mid-range speeds
- * Excellent fuel economy for offshore boats

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

E 90~ 300 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

90 HP V4 95 ~	155 HP V6 (commercial) ... 78 ~	275 HP V8 86 ~ 88
100 HP V4 Commercial ... 84 ~	175 HP V6 77 ~	300 HP V8 86 ~ 95
115 HP V4 95 ~	185 HP V6 84 ~ 85	3.6 Liter V8 86 ~ 87
130 HP V4 95 ~	200 HP V6 76 ~	200 HP (E-TEC) 05 ~
120-140 HP V4 85	225 HP V6 86 ~	225 HP (E-TEC) 05 ~
135 HP V6 01 ~	235 HP V6 78 ~ 85	250 HP (E-TEC) 05 ~
140 HP 89 ~ 94	250 HP V6 01 ~	E90 DPX (E-TEC)..... 06 ~
150 HP V6 78 ~	2.6 Liter V-6 84 ~ 85	E115 DSX,DPX,DCX (E-TEC)..... 06 ~
150 HP V6 (Commercial) ... 93 ~	250 HP V8 91 ~	

Model 800, King Cobra, Cobra (Non SX Drive)3.0L ~ 8.2L Sea Drive 2.0L ~ 4.0L For SX Drive please check Volvo Penta Section

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	2511-155-13
3	15	15	R	2511-150-15
3	15	15	L	2512-150-15
3	14.8	17	R	2511-148-17
3	14.8	17	L	2512-148-17
3	14.5	19	R	2511-145-19
3	14.5	19	L	2512-145-19
3	14.3	21	R	2511-143-21
3	14.3	21	L	2512-143-21
3	14.2	23	R	2511-142-23
3	14.2	23	L	2512-142-23

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	2511-160-13
3	15.8	15	R	2511-158-15
3	15.8	15	L	2512-158-15
3	15.5	17	R	2511-155-17
3	15.5	17	L	2512-155-17
3	15.3	19	R	2511-153-19
3	15.3	19	L	2512-153-19
3	15.3	21	R	2511-153-21
3	15.3	21	L	2512-153-21
3	15.3	23	R	2511-153-23

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	2513-148-15
4	14.75	15	L	2514-148-15
4	14.5	17	R	2513-145-17
4	14.5	17	L	2514-145-17
4	14.25	19	R	2513-143-19
4	14.25	19	L	2514-143-19
4	14	21	R	2513-140-21
4	14	21	L	2514-140-21
4	14	23	R	2513-140-23

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
E	OETW	OESP	Original BRP Part	OENT	Epin(2")

KITS part # : 17025501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub E series propeller.



AMITA 3

- * Three blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Outstanding acceleration and top speed

Johnson 200, 225 HP (4-Stroke)(15 Tooth Spline)

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	4511-160-13
3	15.8	15	R	4511-158-15
3	15.8	15	L	4512-158-15
3	15.5	17	R	4511-155-17
3	15.5	17	L	4512-155-17
3	15.3	19	R	4511-153-19
3	15.3	19	L	4512-153-19
3	15.3	21	R	4511-153-21
3	15.3	21	L	4512-153-21
3	15.3	23	R	4511-153-23

Prop hardware for pressed in hub propeller.

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
E	Original BRP Part	Original BRP Part	Original BRP Part	YENT	Epin(2")

* Required hardware to install propeller that SOLAS makes in hub E series propeller.



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

A 9.9~15 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

9.9 HP 84 ~ 15 HP 84 ~
 F15(4 Stroke)00 ~ F9.9 (4-Stroke) 00 ~ 07 F20 (4-Stroke)

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	3121-093-07
3	9 1/4	8	R	3121-093-08
3	9 1/4	9	R	3121-093-09
3	9 1/4	10	R	3121-093-10
3	9 1/4	11	R	3121-093-11



SATURN
General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

	Thru Hub Washer (1pack)	Washer (2pack)	Nut (1pack)	Center Pin (4pack)
A	YATW	YAWS	YANT	Apin(1 1/8")

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

KITS part # : 17031501

B 20~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

20 HP 96 ~ 97 30 HP 79 ~ F25 (4 Stroke) 01 ~
 25 HP 80 ~

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	10 3/4	10	R	3231-108-10
3	10 1/2	11	R	3231-105-11
3	10 1/4	12	R	3231-103-12
3	10 1/8	13	R	3231-101-13
3	10	14	R	3231-100-14
3	10	15	R	3231-100-15

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	10	8	R	3221-100-08
3	10	9	R	3221-100-09
3	10	10	R	3221-100-10
3	10	11	R	3221-100-11
3	10	12	R	3221-100-12
3	10	13	R	3221-100-13

NEW SATURN PROP Stainless steel blade Rubber Hub

B	D	P	R	PART NO.
4	10	9	R	3233-100-09
4	10	10	R	3233-100-10

	Thru Hub Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Center Pin (4pack)
B	YBTW	YBSP	Original YAMAHA Part	YBNT	Apin(1 1/8")

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

KITS part # : 17032501

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

2.5/ 5 Horsepower (9 Tooth Spline & Thru Hub Exhaust; Spline Drive)

3011-073-05S for 2.5HP; 3011-075-07S for 5HP

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	7.25	5	R	3011-073-05S NEW!
3	7.5	7	R	3011-075-07S NEW!

8 ~8 Horsepower (7 Tooth Spline & Thru Hub Exhaust; Pin Drive)

6 HP 86 ~
F6, F8 (4-Stroke) 01 ~

8 HP..... 86 ~
F9.9 (4-Stroke)08 ~

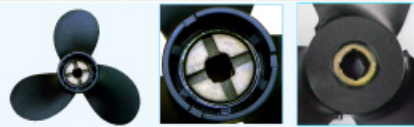
AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	8.5	7	R	3011-085-07
3	8.5	8	R	3011-085-08
3	8.5	9	R	3011-085-09

Pin Drive for 8 HP

AMITA3 Aluminum 3 blade Rubber Hub

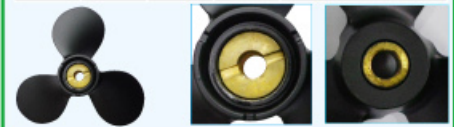
B	D	P	R	PART NO.
3	9	7	R	3011-090-07P



Pin Drive for YAMAHA 8HP 1976-1983

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	8.25	8	R	2011-083-08P



A 9.9~15 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

9.9 HP 84 ~
F9.9 (4-Stroke) 00 ~ 07

15 HP..... 84 ~
F20 (4-Stroke)

F15 (4 Stroke) 00 ~
T8All

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	3111-093-07
3	9.25	8	R	3111-093-08
3	9.25	9	R	3111-093-09
3	9.25	10	R	3111-093-10
3	9.25	11	R	3111-093-11

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	3113-093-07
4	9.25	8	R	3113-093-08
4	9.25	9	R	3113-093-09
4	9.25	10	R	3113-093-10
4	9.25	11	R	3113-093-11

For heavy boat ; high thrust

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10	5	R	3113-100-05
4	10	7	R	3113-100-07

Thrust Washer (1/2pack)	Washer (2/2pack)	Nut (1/2pack)	Cotter Pin (1/2pack)
YATW	YAWS	YANT	Apin(1 1/8")

KITS part # : 17031501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

AMITA3 (Pin Drive)

15HP 1976-1983 ; W15HP 1976-1983
20HP 1976-1978 ; 25HP 1977-1979
28HP 1976-1978

B	D	P	R	PART NO.
3	9.25	11	R	2111-093-11P



2111-093-11P

AMITA3 (Spline Drive)

B	D	P	R	PART NO.
3	9.25	11	R	2111-093-11S



Pin Drive



Spline Drive

B 20~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

20 HP 96 ~ 97
25 HP 80 ~

30 HP 79 ~
F25 (4 Stroke) 00 ~

AMITA3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.9	9	R	3211-099-09
3	9.9	10	R	3211-099-10
3	9.9	11	R	3211-099-11
3	9.9	12	R	3211-099-12
3	9.9	13	R	3211-099-13

AMITA4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	3213-102-11
4	10.1	12	R	3213-101-12
4	10	13	R	3213-100-13
4	10	14	R	3213-100-14
4	10	15	R	3213-100-15

Thrust Washer (1/2pack)	Spacer (1/2pack)	Washer (2/2pack)	Nut (1/2pack)	Cotter Pin (1/2pack)
YBTW	YBSP	Original YAMAHA Part	YBNT	Apin(1 1/8")

KITS part # : 17032501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 40~60 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

40 HP	84 ~	55 HP	76 ~ 95	
48 HP	95 ~	F40 (4 Stroke)	99 ~	F30(4 Stroke)..... 2001-2005
50 HP (NOT T50)	84 ~	F50 (4 Stroke)	99 ~	F60(4 Stroke)..... 2002-newer

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	3331-120-08
3	12	9	R	3331-120-09
3	11 7/8	10	R	3331-119-10
3	11 5/8	11	R	3331-116-11
3	11 3/8	12	R	3331-114-12
3	11 1/8	13	R	3331-111-13
3	11 1/8	14	R	3331-111-14
3	11	15	R	3331-110-15

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	11 3/4	11	R	3321-118-11
3	11 1/2	12	R	3321-115-12
3	11 1/8	13	R	3321-113-13
3	11 1/8	14	R	3321-113-14
3	11	15	R	3321-110-15

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (1pack)
YCTW	YCSP	YCWS	YCNT	CPIN1 1/2"

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

KITS part #: 17033501

D 60~130 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

60 HP	92 ~	90 HP	84 ~	F 90 (4 Stroke)	03~
70 HP	84 ~	115 HP	84 ~	F100 (4 Stroke)	99 ~
75 HP.....	94 ~	130 HP	84 ~	F 115 (4 Stroke)	00 ~
80 HP	78~ 89	F 75 (4 Stroke)	03~	T50 (4- Stroke)	96 ~
85 HP.....	91 ~ 97	F 80 (4 Stroke)	99~	T60 (4- Stroke)	03 ~

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	14	11	R	3431-140-11
3	13 3/4	13	R	3431-138-13
3	13 3/4	13	L	3432-138-13
3	13 1/2	15	R	3431-135-15
3	13 1/2	15	L	3432-135-15
3	13 1/4	17	R	3431-133-17
3	13 1/4	17	L	3432-133-17
3	13	19	R	3431-130-19
3	13	19	L	3432-130-19
3	13	21	R	3431-130-21

TITAN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	3441-138-13
3	13 3/4	13	L	3442-138-13
3	13 3/4	15	R	3441-138-15
3	13 3/4	15	L	3442-138-15
3	13 1/4	17	R	3441-133-17
3	13 1/4	17	L	3442-133-17
3	13 1/4	19	R	3441-133-19
3	13 1/4	19	L	3442-133-19

HR TITAN 4 Stainless steel 4 blade
PROP Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	3453-135-13
4	13 1/2	13	L	3454-135-13
4	13 1/4	15	R	3453-133-15
4	13 1/4	15	L	3454-133-15
4	13	17	R	3453-130-17
4	13	17	L	3454-130-17
4	13	19	R	3453-130-19
4	13	19	L	3454-130-19
4	13	21	R	3453-130-21
4	13	21	L	3454-130-21



NEW SATURN
All-around Performance Propeller

- * Three-blade stainless steel propeller
- * Offers good acceleration & all-around performance
- * Smaller pitch sizes offered in extra large diameter with increased blade area
- * Large ear design is ideal for pontoons, commercial hulls, and heavy loads



TITAN
High Power Applications

- * Three-blade stainless steel propeller
- * High camber blade and large blade area design
- * Great load carrying capability
- * Excellent fuel economy

Prop hardware for pressed in hub propeller.

D	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (1pack)
(60~100HP)	YDTW	YDSP	YDWS	YDNT	CPIN1 1/2"
KITS part #: 17034501					
(100~130HP)	YETW	YDSP	YDWS	YENT	CPIN1 1/2"
KITS part #: 17035501					

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

C 40~60 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

40 HP 84 ~
48 HP 95 ~
F60(4 Stroke)..... 2002-newer

55 HP 76 ~ 95
50 HP (NOT T50) 84 ~

F30 (4 Stroke) 01 ~ 05
F40 (4 Stroke) 99 ~
F50 (4 Stroke) 99 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12.2	7	R	3311-122-07
3	12.2	8	R	3311-122-08
3	12.1	9	R	3311-121-09
3	11.6	11	R	3311-116-11
3	11.4	12	R	3311-114-12
3	11.1	13	R	3311-111-13
3	11.1	14	R	3311-111-14
3	11	15	R	3311-110-15
3	11	16	R	3311-110-16
3	11	17	R	3311-110-17

AMITA 3-C Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	3311-120-10
3	11.8	11	R	3311-118-11
3	11.6	12	R	3311-116-12
3	11.6	13	R	3311-116-13
3	11.6	14	R	3311-116-14
3	11.4	15	R	3311-114-15
3	11.4	16	R	3311-114-16

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	11.8	9	R	3313-118-09
4	11.4	10	R	3313-114-10
4	11.1	11	R	3313-111-11
4	10.8	12	R	3313-108-12
4	10.5	13	R	3313-105-13
4	10.5	14	R	3313-105-14



Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

40 HP Pin Drive

B	D	P	R	PART NO.
3	11.5	10	R	3311-115-10P
3	11.5	11	R	3311-115-11P
3	11.5	12	R	3311-115-12P



40 HP Pin Drive

D 60~130 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

60 HP 92 ~
70 HP 84 ~
75 HP..... 94 ~

80 HP78~ 89
85 HP..... 91 ~ 97
90 HP 84 ~

115 HP 84 ~
130 HP84~
F 75 (4 Stroke)03~

F 80 (4 Stroke) 99~
F 90 (4 Stroke) 03~
F100 (4 Stroke)99 ~

F 115 (4 Stroke) 00 ~
T50 (4- Stroke) 96 ~
T60 (4- Stroke) 03 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	3411-140-09
3	14	11	R	3411-140-11
3	13.75	13	R	3411-138-13
3	13.75	13	L	3412-138-13
3	13.5	15	R	3411-135-15
3	13.5	15	L	3412-135-15
3	13.25	17	R	3411-133-17
3	13.25	17	L	3412-133-17
3	13	19	R	3411-130-19
3	13	21	R	3411-130-21

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.2	19	R	3411-132-19
3	13.2	21	R	3411-132-21

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	3413-133-13
4	13	15	R	3413-130-15
4	12.75	17	R	3413-128-17
4	12.5	19	R	3413-125-19
4	12.5	21	R	3413-125-21

Prop hardware for pressed in hub propeller.



* Required hardware to install propeller that SOLAS makes in hub D series propeller.

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.5	13	R	3411-135-13
3	13.4	15	R	3411-134-15
3	13.2	17	R	3411-132-17
3	13.1	19	R	3411-131-19

Propeller suggested for Light Boat



E 150~ 300 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

150 HP	86 ~
175 HP	84 ~
200 HP	84 ~
200 HP (VMAX).....	01
220 HP (Special).....	87 ~ 88
F300(4 Stroke).....	2003-newer

225 HP (Excel).....	80 ~
225 HP	86 ~
250 HP	90 ~
250 HP (VMAX)	01 ~
300 HP	04 ~

F150 (4 Stroke)	04 ~
F200 (4 Stroke)	02 ~
F225 (4 Stroke)	02 ~
F250 (4 Stroke)	05 ~
Sterndrive 3.0L ~ 7.4 L	

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14 1/2	15	R	3531-145-15
3	14 1/2	15	L	3532-145-15
3	14 1/4	17	R	3531-143-17
3	14 1/4	17	L	3532-143-17
3	14	19	R	3531-140-19
3	14	19	L	3532-140-19
3	14	21	R	3531-140-21
3	14	21	L	3532-140-21
3	14	23	R	3531-140-23
3	14	23	L	3532-140-23
3	14	25	R	3531-140-25

NEW SATURN-E Plus

Suggested for 135 ~ 150 HP Motors for Heavy Boat

3	15 5/8	11	R	3531-156-11
3	15 5/8	13	R	3531-156-13
3	15 5/8	13	L	3532-156-13

HR TITAN3 PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15	14	R	3551-150-14
3	15	14	L	3552-150-14
3	14 3/4	16	R	3551-148-16
3	14 3/4	16	L	3552-148-16
3	14 3/4	17	R	3551-148-17
3	14 3/4	17	L	3552-148-17
3	14 3/4	18	R	3551-148-18
3	14 3/4	18	L	3552-148-18
3	14 3/4	19	R	3551-148-19
3	14 3/4	19	L	3552-148-19
3	14 3/4	20	R	3551-148-20
3	14 3/4	20	L	3552-148-20
3	14 1/2	21	R	3551-145-21
3	14 1/2	21	L	3552-145-21
3	14 1/4	22	R	3551-143-22
3	14 1/4	22	L	3552-143-22
3	14	24	R	3551-140-24
3	14	24	L	3552-140-24

HR TITAN4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14 1/2	15	R	3553-145-15
4	14 1/2	15	L	3554-145-15
4	14 1/4	17	R	3553-143-17
4	14 1/4	17	L	3554-143-17
4	14 1/8	18	R	3553-141-18
4	14 1/8	18	L	3554-141-18
4	14 1/8	19	R	3553-141-19
4	14 1/8	19	L	3554-141-19
4	14	20	R	3553-140-20
4	14	20	L	3554-140-20
4	14	21	R	3553-140-21
4	14	21	L	3554-140-21
4	14	22	R	3553-140-22
4	14	22	L	3554-140-22
4	14	23	R	3553-140-23
4	14	23	L	3554-140-23
4	14	25	R	3553-140-25
4	14	25	L	3554-140-25
4	14	27	R	3553-140-27

LEXOR Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15 3/4	15	R	3571-158-15
3	15 3/4	15	L	3572-158-15
3	15 5/8	16	R	3571-156-16
3	15 5/8	16	L	3572-156-16
3	15 1/2	17	R	3571-155-17
3	15 1/2	17	L	3572-155-17
3	15 3/8	18	R	3571-154-18
3	15 3/8	18	L	3572-154-18
3	15 1/4	19	R	3571-153-19
3	15 1/4	19	L	3572-153-19
3	15 1/8	20	R	3571-151-20
3	15 1/8	20	L	3572-151-20
3	15	21	R	3571-150-21
3	15	21	L	3572-150-21
3	14 7/8	22	R	3571-149-22
3	14 7/8	22	L	3572-149-22
3	14 3/4	23	R	3571-148-23
3	14 3/4	23	L	3572-148-23
3	14 1/2	25	R	3571-145-25
3	14 1/2	25	L	3572-145-25
3	14 1/2	27	R	3571-145-27
3	14 1/2	27	L	3572-145-27

Scorpion Stainless steel 3 blade Rubber Hub

Check the RUBEX chart
S3 Prop for SCORPION.
www.rubexprops.com

Thrust Washer (1 pack)	Spacer (1 piece)	Washer (2 pieces)	Nut (1 piece)	Center Pin (1 piece)
YETW	YDSP	YDWS	YENT	Epin(2")

KITS part #: 17035501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub E series propeller.



LEXOR
All-around Performance

- * Three blade stainless steel propeller
- * Large diameter and blade area for big boat loads
- * Great high speed performance without sacrificing mid-range speeds
- * Excellent fuel economy for offshore boats

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

E 150~300 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

150 HP 86 ~
 175 HP 84 ~
 200 HP 84 ~
 200 HP (VMAX)..... 01
 220 HP (Special)..... 87 ~ 88
 F300(4 Stroke)..... 2003~newer

225 HP (Excel)..... 80 ~
 225 HP 86 ~
 250 HP 90 ~
 250 HP (VMAX) 01 ~
 300 HP 04 ~

F150 (4 Stroke) 04 ~
 F200 (4 Stroke) 02 ~
 F225 (4 Stroke) 02 ~
 F250 (4 Stroke) 05 ~
 Sterndrive 3.0L ~ 7.4 L

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	3511-155-13
3	15	15	R	3511-150-15
3	15	15	L	3512-150-15
3	14.8	17	R	3511-148-17
3	14.8	17	L	3512-148-17
3	14.5	19	R	3511-145-19
3	14.5	19	L	3512-145-19
3	14.3	21	R	3511-143-21
3	14.3	21	L	3512-143-21
3	14.2	23	R	3511-142-23
3	14.2	23	L	3512-142-23

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	3511-160-13
3	15.8	15	R	3511-158-15
3	15.8	15	L	3512-158-15
3	15.5	17	R	3511-155-17
3	15.5	17	L	3512-155-17
3	15.3	19	R	3511-153-19
3	15.3	19	L	3512-153-19
3	15.3	21	R	3511-153-21
3	15.3	21	L	3512-153-21
3	15.3	23	R	3511-153-23

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	3513-148-15
4	14.75	15	L	3514-148-15
4	14.5	17	R	3513-145-17
4	14.5	17	L	3514-145-17
4	14.25	19	R	3513-143-19
4	14.25	19	L	3514-143-19
4	14	21	R	3513-140-21
4	14	21	L	3514-140-21
4	14	23	R	3513-140-23



AMITA 3

- * Three blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Outstanding acceleration and top speed



AMITA 3-E Plus

- * Larger blade design
- * Better thrust
- * Suitable for heavy boats



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

Thrust Washer (E-pack)	Spacer (E-pack)	Washer (E-pack)	Nut (E-pack)	Collar Pin (E-pack)
YETW	YDSP	YDWS	YENT	EPIN(E)

KITS part #: 17035501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub E series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

A 9.9~15 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

DT 9.9 83 ~ 87
DT 15, 15C 83 ~ 97

DF 9.9, DF 9.9R (4 Stroke)..... 97 ~ 2012
DF15 (4 Stroke) 97 ~ 2012

9.9C and 9.9CN not applicable

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	4121-093-07
3	9 1/4	8	R	4121-093-08
3	9 1/4	9	R	4121-093-09
3	9 1/4	10	R	4121-093-10
3	9 1/4	11	R	4121-093-11



SATURN
General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SATW	SASP	SAWS	SANT	Apin(1 1/8")

KITS part # : 17041501

Prop hardware for pressed in hub propeller.

- * SOLAS aftermarket hardware to install prop on engines.

DF15A, DF20A 2012~Newer

Notice: 4121-093-XXA No spacer required, spacer is built into the hub.

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	4121-093-07A
3	9 1/4	8	R	4121-093-08A
3	9 1/4	9	R	4121-093-09A
3	9 1/4	10	R	4121-093-10A
3	9 1/4	11	R	4121-093-11A

Thrust Washer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SATW	SAWS	SANT	Apin(1 1/8")

KITS part # : 17041501A

- * SOLAS aftermarket hardware to install prop on engines.

B 20~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

DT 20 83 ~ 88
DT 25, 25C 83 ~ 00

DT 30, 30C 83 ~ 97

DF 25, DF 25R (4Stroke)..... 00 ~
DF 30, DF 30Q, DF 30T (4 Stroke)..... 00 ~

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	10 3/4	10	R	4231-108-10
3	10 1/2	11	R	4231-105-11
3	10 1/4	12	R	4231-103-12
3	10 1/8	13	R	4231-101-13
3	10	14	R	4231-100-14
3	10	15	R	4231-100-15



NEW SATURN
All-around Performance Propeller

- * Three-blade stainless steel propeller
- * Offers good acceleration & all-around performance
- * Smaller pitch sizes offered in extra large diameter with increased blade area
- * Large ear design is ideal for pontoons, commercial hulls, and heavy loads

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SBTW	SBSP	Original SUZUKI Part	SBNT	Apin(1 1/8")

KITS part # : 17042501

Prop hardware for pressed in hub propeller.

- * Required hardware to install propeller that SOLAS makes in hub B series propeller.

4~6HP (10 Tooth Spline)

DF4.....2004~ newer DF6.....2004~newer

AMITA 3 Aluminum 3 blade Spline Drive

B	D	P	R	PART NO.
3	7.875	6.75	R	4011-079-075 NEW!



A 9.9~15 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

DT 9.9 83 ~ 87
DT 15, 15C 83 ~ 97

DF 9.9, DF 9.9R (4 Stroke)..... 97 ~ 2012
DF15 (4 Stroke) 97 ~ 2012

9.9C and 9.9CN not applicable

For heavy boat ; high thrust

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	4111-093-07
3	9.25	8	R	4111-093-08
3	9.25	9	R	4111-093-09
3	9.25	10	R	4111-093-10
3	9.25	11	R	4111-093-11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	4113-093-07
4	9.25	8	R	4113-093-08
4	9.25	9	R	4113-093-09
4	9.25	10	R	4113-093-10
4	9.25	11	R	4113-093-11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10	5	R	4113-100-05
4	10	7	R	4113-100-07

- Offers excellent forward and reverse thrust.
- Ideal for heavy load and sail drive application.

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cutter Pin (1pack)
SATW	SASP	SAWS	SANT	Apin(1.18")

KITS part # : 17041501

Prop hardware for pressed in hub propeller.

- SOLAS aftermarket hardware to install prop on engines.

DF15A, DF20A 2012~Newer

Notice: 4111-093-XXA, 4113-093-XXA No spacer required, spacer is built into the hub.

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	4111-093-07A
3	9.25	8	R	4111-093-08A
3	9.25	9	R	4111-093-09A
3	9.25	10	R	4111-093-10A
3	9.25	11	R	4111-093-11A
3	9.25	12	R	4111-093-12A

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	4113-093-07A
4	9.25	8	R	4113-093-08A
4	9.25	9	R	4113-093-09A
4	9.25	10	R	4113-093-10A
4	9.25	11	R	4113-093-11A

Thrust Washer (1pack)	Washer (2pack)	Nut (1pack)	Cutter Pin (1pack)
SATW	SAWS	SANT	Apin(1.18")

KITS part # : 17041501A

- SOLAS aftermarket hardware to install prop on engines.

B 20~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

DT 20 83 ~ 88
DT 25, 25C 83 ~ 00

DT 30, 30C 83 ~ 97

DF 25, DF 25R (4Stroke)..... 00 ~
DF 30, DF 30Q, DF 30T (4 Stroke)..... 00 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11	9	R	4211-110-09
3	10.5	11	R	4211-105-11
3	10.3	12	R	4211-103-12
3	10.1	13	R	4211-101-13
3	10	14	R	4211-100-14
3	10	15	R	4211-100-15

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	4213-102-11
4	10.1	12	R	4213-101-12
4	10	13	R	4213-100-13
4	10	14	R	4213-100-14
4	10	15	R	4213-100-15



AMITA 4

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cutter Pin (1pack)
SBTW	SBSP	Original SUZUKI Part	SBNT	Apin(1.18")

KITS part # : 17042501

Prop hardware for pressed in hub propeller.

- Required hardware to install propeller that SOLAS makes in hub B series propeller.

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

C 40~65 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

DT 40 83 ~ 98
DT 50, 50M 83 ~ 84
DT 55 88 ~ 97

DT 60 83 ~ 84
DT 65 85 ~ 97

DF 40 (4 Stroke) 99 ~
DF 50 (4 Stroke) 99 ~

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	4331-120-08
3	12	9	R	4331-120-09
3	11 7/8	10	R	4331-119-10
3	11 5/8	11	R	4331-116-11
3	11 3/8	12	R	4331-114-12
3	11 1/8	13	R	4331-111-13
3	11 1/8	14	R	4331-111-14
3	11	15	R	4331-110-15

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11 3/4	11	R	4321-118-11
3	11 1/2	12	R	4321-115-12
3	11 1/8	13	R	4321-113-13
3	11 1/8	14	R	4321-113-14
3	11	15	R	4321-110-15



Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 75~140 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

DT 75 83 ~ 97
DT 85 88 ~ 00
DT 90 89 ~ 97

DT 115 83 ~ 01
DT 140 83 ~ 01

DF 60 (4 Stroke) 98 ~
DF 70 (4 Stroke) 98 ~

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	11	R	4431-140-11
3	13 3/4	13	R	4431-138-13
3	13 1/2	15	R	4431-135-15
3	13 1/4	17	R	4431-133-17
3	13	19	R	4431-130-19
3	13	21	R	4431-130-21

TITAN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	4441-138-13
3	13 3/4	15	R	4441-138-15
3	13 1/4	17	R	4441-133-17
3	13 1/4	19	R	4441-133-19

HRTITAN4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	4453-135-13
4	13 1/4	15	R	4453-133-15
4	13	17	R	4453-130-17
4	13	19	R	4453-130-19
4	13	21	R	4453-130-21

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
D	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part

Prop hardware for pressed in hub propeller.

DF 90,115,140(4 Stroke) (15 Tooth Spline) High Thrust ; Offshore Application

HRTITAN3 PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 7/8	15	R	3451-139-15
3	13 7/8	15	L	3452-139-15
3	13 7/8	17	R	3451-139-17
3	13 7/8	17	L	3452-139-17
3	13 7/8	19	R	3451-139-19
3	13 7/8	19	L	3452-139-19
3	13 7/8	21	R	3451-139-21
3	13 7/8	21	L	3452-139-21
3	13 7/8	23	R	3451-139-23
3	13 7/8	23	L	3452-139-23
3	13 7/8	25	R	3451-139-25

Kits for DF90, DF115

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
D	SDTW1	SDSP	YDWS	YENT	Epin(2)

KITS part # : 17044501

Kits for DF140

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
D	SDTW2	SDSP	YDWS	YENT	Epin(2)

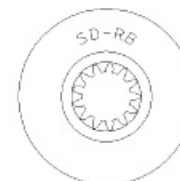
KITS part # : 17044502

Prop hardware for pressed in hub propeller.

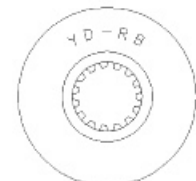
* Required hardware to install propeller that SOLAS makes in hub D series propeller.

Note:

For DF 90, DF 115, and DF 140, please use 15 tooth spline rubber hub propeller. For other SD propellers, please use 13 tooth spline rubber hub propeller.



For DF 60, DF 70
DT 75 - 140
Thrust Washer
13 Tooth Spline



For DF 90 DF 115 DF 140
Thrust Washer
15 Tooth Spline

Warning:

Those new engines DF70/DF100 between 2008~2009 and after 2009 might be with different fitting, consulting with your nearest dealer for more information.

C 40~65 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

DT 40 83 ~ 98
DT 50, 50M 83 ~ 84
DT 55 88 ~ 97

DT 60 83 ~ 84
DT 65 85 ~ 97

DF 40 (4 Stroke) 99 ~
DF 50 (4 Stroke) 99 ~
DF 60 (4 Stroke) 98 ~

AMITA 3 Aluminum 3 blade Plus Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	4311-120-10
3	11.8	11	R	4311-118-11
3	11.6	12	R	4311-116-12
3	11.6	13	R	4311-116-13
3	11.6	14	R	4311-116-14
3	11.4	15	R	4311-114-15 NEW!
3	11.4	16	R	4311-114-16 NEW!

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	11.8	9	R	4313-118-09
4	11.4	10	R	4313-114-10
4	11.1	11	R	4313-111-11
4	10.8	12	R	4313-108-12
4	10.5	13	R	4313-105-13
4	10.5	14	R	4313-105-14

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SCTW	SCSP	YDWS	YENT	Epin(2")

KITS part #: 17043501

Prop hardware for pressed in hub propeller.
* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 60~140 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

DT 75 83 ~ 97
DT 85 88 ~ 00
DT 90 89 ~ 97

DT 115 83 ~ 01
DT 140 83 ~ 01

DF 70 (4 Stroke) 98 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	4411-140-09
3	14	11	R	4411-140-11
3	13.75	13	R	4411-138-13
3	13.5	15	R	4411-135-15
3	13.25	17	R	4411-133-17
3	13	19	R	4411-130-19
3	13	21	R	4411-130-21

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.2	19	R	4411-132-19
3	13.2	21	R	4411-132-21

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	4413-133-13
4	13	15	R	4413-130-15
4	12.75	17	R	4413-128-17
4	12.5	19	R	4413-125-19
4	12.5	21	R	4413-125-21

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part

Prop hardware for pressed in hub propeller.

DF 70A,80A,90A(4 Stroke) 2009~,(15 Tooth Spline) High Thrust ; Offshore Application

AMITA 3 Aluminum 3 blade Rubber Hub

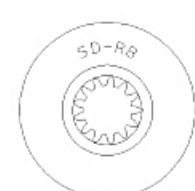
B	D	P	R	PART NO.
3	13.875	17	R	3411-139-17 NEW!
3	13.875	19	R	3411-139-19 NEW!
3	13.875	21	R	3411-139-21 NEW!

DF 90,115,140(4 Stroke) (15 Tooth Spline) High Thrust ; Offshore Application

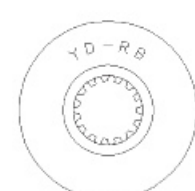
AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.75	15	R	3413-138-15
4	13.75	17	R	3413-138-17
4	13.75	19	R	3413-138-19
4	13.75	21	R	3413-138-21

Note:
For DF 90, DF 115, and DF 140, please use 15 tooth spline rubber hub propeller. For other SD propellers, please use 13 tooth spline rubber hub propeller.



For DF 60, DF 70 DT 75 - 140 Thrust Washer 13 Tooth Spline



For DF 90 DF 115 DF 140 Thrust Washer 15 Tooth Spline

Warning:
Those new engines DF70/DF100 between 2008~2009 and after 2009 might be with different fitting, consulting with your nearest dealer for more information.

Kits for DF70A,80A,90A

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SDTW1	SDSP	YDWS	YENT	Epin(2")

KITS part #: 17044501

Kits for DF90, DF115

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SDTW1	SDSP	YDWS	YENT	Epin(2")

KITS part #: 17044501

Kits for DF140

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
SDTW2	SDSP	YDWS	YENT	Epin(2")

KITS part #: 17044502

Prop hardware for pressed in hub propeller.

E 150~ 300 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

DT 150 86 ~

DT 200 86 ~

DT 225 86 ~

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14 1/2	15	R	4531-145-15
3	14 1/2	15	L	4532-145-15
3	14 1/4	17	R	4531-143-17
3	14 1/4	17	L	4532-143-17
3	14	19	R	4531-140-19
3	14	19	L	4532-140-19
3	14	21	R	4531-140-21
3	14	21	L	4532-140-21
3	14	23	R	4531-140-23
3	14	23	L	4532-140-23
3	14	25	R	4531-140-25

NEW SATURN-E Plus
Suggested for 135 ~ 150 HP Motors for Heavy Boat

3	15 5/8	11	R	4531-156-11
3	15 5/8	13	R	4531-156-13
3	15 5/8	13	L	4532-156-13

HR TITAN 3 PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15	14	R	4551-150-14
3	15	14	L	4552-150-14
3	14 3/4	16	R	4551-148-16
3	14 3/4	16	L	4552-148-16
3	14 3/4	17	R	4551-148-17
3	14 3/4	17	L	4552-148-17
3	14 3/4	18	R	4551-148-18
3	14 3/4	18	L	4552-148-18
3	14 3/4	19	R	4551-148-19
3	14 3/4	19	L	4552-148-19
3	14 3/4	20	R	4551-148-20
3	14 3/4	20	L	4552-148-20
3	14 1/2	21	R	4551-145-21
3	14 1/2	21	L	4552-145-21
3	14 1/4	22	R	4551-143-22
3	14 1/4	22	L	4552-143-22
3	14	24	R	4551-140-24
3	14	24	L	4552-140-24



HR TITAN 3
High Speed Application

- * Three-blade stainless steel propeller
- * Performance prop for high speed planning hulls
- * High rake blade design provides excellent bow lift and acceleration
- * Heavy cup design increases bite and reduces slip

Suzuki

Recommended for
DF 150, 175, 200, 225, 250, 300

HR TITAN 4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14 1/2	15	R	4553-145-15
4	14 1/2	15	L	4554-145-15
4	14 1/4	17	R	4553-143-17
4	14 1/4	17	L	4554-143-17
4	14 1/8	18	R	4553-141-18
4	14 1/8	18	L	4554-141-18
4	14 1/8	19	R	4553-141-19
4	14 1/8	19	L	4554-141-19
4	14	20	R	4553-140-20
4	14	20	L	4554-140-20
4	14	21	R	4553-140-21
4	14	21	L	4554-140-21
4	14	22	R	4553-140-22
4	14	22	L	4554-140-22
4	14	23	R	4553-140-23
4	14	23	L	4554-140-23
4	14	25	R	4553-140-25
4	14	25	L	4554-140-25
4	14	27	R	4553-140-27

LEXOR PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15 3/4	15	R	4571-158-15
3	15 3/4	15	L	4572-158-15
3	15 5/8	16	R	4571-156-16
3	15 5/8	16	L	4572-156-16
3	15 1/2	17	R	4571-155-17
3	15 1/2	17	L	4572-155-17
3	15 3/8	18	R	4571-154-18
3	15 3/8	18	L	4572-154-18
3	15 1/4	19	R	4571-153-19
3	15 1/4	19	L	4572-153-19
3	15 1/8	20	R	4571-151-20
3	15 1/8	20	L	4572-151-20
3	15	21	R	4571-150-21
3	15	21	L	4572-150-21
3	14 7/8	22	R	4571-149-22
3	14 7/8	22	L	4572-149-22
3	14 3/4	23	R	4571-148-23
3	14 3/4	23	L	4572-148-23
3	14 1/2	25	R	4571-145-25
3	14 1/2	25	L	4572-145-25
3	14 1/2	27	R	4571-145-27
3	14 1/2	27	L	4572-145-27

NEW! **PLUS**
LEXOR PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	17	R	4571-160-17
3	16	17	L	4572-160-17
3	16	19	R	4571-160-19
3	16	19	L	4572-160-19
3	15 3/4	21	R	4571-158-21
3	15 3/4	21	L	4572-158-21
3	15 5/8	23	R	4571-156-23
3	15 5/8	23	L	4572-156-23

NEW!
LEXOR PROP **4** Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	15 1/4	18	R	4573-153-18
4	15 1/4	18	L	4574-153-18
4	15 1/4	20	R	4573-153-20
4	15 1/4	20	L	4574-153-20
4	15 1/4	22	R	4573-153-22
4	15 1/4	22	L	4574-153-22
4	15 1/4	24	R	4573-153-24
4	15 1/4	24	L	4574-153-24
4	15 1/4	26	R	4573-153-26
4	15 1/4	26	L	4574-153-26
4	15 1/4	28	R	4573-153-28

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
E	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part

Prop hardware for pressed in hub propeller.

E 150~300 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

DT 150 86 ~

DT 200 86 ~

DT 225 86 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	4511-155-13
3	15	15	R	4511-150-15
3	15	15	L	4512-150-15
3	14.8	17	R	4511-148-17
3	14.8	17	L	4512-148-17
3	14.5	19	R	4511-145-19
3	14.5	19	L	4512-145-19
3	14.3	21	R	4511-143-21
3	14.3	21	L	4512-143-21
3	14.2	23	R	4511-142-23
3	14.2	23	L	4512-142-23

**Recommended for
DF 150, 175, 200, 225, 250, 300**
AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	4511-160-13
3	15.8	15	R	4511-158-15
3	15.8	15	L	4512-158-15
3	15.5	17	R	4511-155-17
3	15.5	17	L	4512-155-17
3	15.3	19	R	4511-153-19
3	15.3	19	L	4512-153-19
3	15.3	21	R	4511-153-21
3	15.3	21	L	4512-153-21
3	15.3	23	R	4511-153-23

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	4513-148-15
4	14.75	15	L	4514-148-15
4	14.5	17	R	4513-145-17
4	14.5	17	L	4514-145-17
4	14.25	19	R	4513-143-19
4	14.25	19	L	4514-143-19
4	14	21	R	4513-140-21
4	14	21	L	4514-140-21
4	14	23	R	4513-140-23



AMITA 3

- * Three blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Outstanding acceleration and top speed



AMITA 3-E Plus

- * Larger blade design
- * Better thrust
- * Suitable for heavy boats



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
E	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part	Original SUZUKI Part

Prop hardware for pressed in hub propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

A 9.9~20 Horsepower (14 Tooth Spline & Thru Hub Exhaust)

9.9 HP 1984 ~ newer
15 HP, 18HP..... 1985 ~ newer
20 HP (4 stroke)..... 2007 ~newer

9.9 HP (4 stroke)..... 2000 ~ newer
15 HP (4 stroke)..... 2000 ~newer
Mercury 20 HP (4 stroke) 2007~newer

12 HP 1985 ~ 1988
18 HP (4 stroke)..... 2001 ~ 2008
MFS9,9,15,18(4 Stroke); NSF 9,9,15,18

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	5121-093-07
3	9 1/4	8	R	5121-093-08
3	9 1/4	9	R	5121-093-09
3	9 1/4	10	R	5121-093-10
3	9 1/4	11	R	5121-093-11



SATURN
General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

	Thrust Washer (1pack)	Washer (2pack)	Nut (13pack)	Center Pin (4pack)
	TATW	TAWS	TANT	Apin(1 1/8")
A				

KITS part # : 17051501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

B 25~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

25 HP 86 ~ 01
30 HP 85 ~ 01
MFS 25, 30 (4 stroke)

25 HP (4- Stroke)02 ~
30 HP (4 Stroke) 02 ~
NSF 25,30

SATURN Stainless steel 3 blade PROP Rubber Hub

B	D	P	R	PART NO.
3	10	8	R	5221-100-08
3	10	9	R	5221-100-09
3	10	10	R	5221-100-10
3	10	11	R	5221-100-11
3	10	12	R	5221-100-12
3	10	13	R	5221-100-13

NEW SATURN Stainless steel 4 blade PROP Rubber Hub

B	D	P	R	PART NO.
4	10	9	R	5233-100-09
4	10	10	R	5233-100-10



5233-100-09

NEW SATURN
All-around Performance Propeller

- * Three-blade stainless steel propeller
- * Offers good acceleration & all-around performance
- * Smaller pitch sizes offered in extra large diameter with increased blade area
- * Large ear design is ideal for pontoons, commercial hulls, and heavy loads

	Thrust Washer (1pack)	Washer (2pack)	Nut (13pack)	Center Pin (4pack)
	TBTW	TAWS	TANT	Apin(1 1/8")
B				

KITS part # : 17052501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

2.5,3.3HP (Plastic Propeller)

B	D	P	R	PART NO.
3	7 1/4	6	R	0001- 073- 06- P

0001- 073- 06- P



5 4 ~ 6 Horsepower

(12 Tooth Spline & Thru Hub Exhaust)

MFS4(4 Stroke),MFS5(4 Stroke),MFS6(4 Stroke) MSB(2 Stroke)

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	7.8	7	R	5011- 078- 07
3	7.8	8	R	5011- 078- 08
3	7.8	9	R	5011- 078- 09



5011- 078- 09

8 8~9.8 Horsepower (12 Tooth Spline & Thru Hub Exhaust)

8 HP

9.8 HP.....

MFS 8, 9.8 (4 stroke) ; NSF 8, 9.8

For heavy boat ; high thrust

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	8.5	7	R	5011- 085- 07
3	8.5	8	R	5011- 085- 08
3	8.5	9	R	5011- 085- 09

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	8.7	5	R	5013- 087- 05

A 9.9~20 Horsepower (14 Tooth Spline & Thru Hub Exhaust)

9.9 HP 1984 ~ newer
15 HP, 18HP..... 1985 ~ newer
20 HP (4 stroke)..... 2007 ~newer

9.9 HP (4 stroke)..... 2000 ~ newer
15 HP (4 stroke)..... 2000 ~newer
Mercury 20 HP (4 stroke) 2007~newer

12 HP 1985 ~ 1988
18 HP (4 stroke)..... 2001 ~ 2008
MFS9.9,15,18(4 Stroke); NSF 9.9,15,18

For heavy boat ; high thrust

AMITA 3 Aluminum 3 blade Rubber Hub

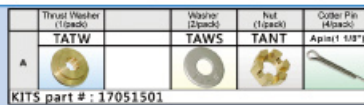
B	D	P	R	PART NO.
3	9.25	7	R	5111- 093- 07
3	9.25	8	R	5111- 093- 08
3	9.25	9	R	5111- 093- 09
3	9.25	10	R	5111- 093- 10
3	9.25	11	R	5111- 093- 11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	5113- 093- 07
4	9.25	8	R	5113- 093- 08
4	9.25	9	R	5113- 093- 09
4	9.25	10	R	5113- 093- 10
4	9.25	11	R	5113- 093- 11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10	5	R	5113- 100- 05
4	10	7	R	5113- 100- 07



Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

B 25~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

25 HP 86 ~ 01
30 HP 85 ~ 01
MFS 25, 30 (4 stroke)

25 HP (4- Stroke)02 ~
30 HP (4 Stroke) 02 ~
NSF 25,30

Mercury 25,30 HP (4 stroke) 2007~newer

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.9	9	R	5211- 099- 09
3	9.9	10	R	5211- 099- 10
3	9.9	11	R	5211- 099- 11
3	9.9	12	R	5211- 099- 12
3	9.9	13	R	5211- 099- 13

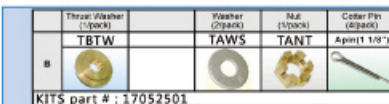
AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	5213- 102- 11
4	10.1	12	R	5213- 101- 12
4	10	13	R	5213- 100- 13
4	10	14	R	5213- 100- 14
4	10	15	R	5213- 100- 15



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance



Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 35~55 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

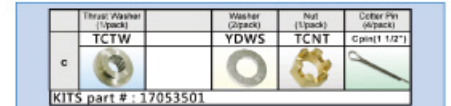
35 HP ~ 84 55 HP 81 ~ 88
 40 HP 84 ~ MD 40, 50 TLDI
 50 HP 87 ~ NSD 40, 50 TLDI

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	5331-120-08
3	12	9	R	5331-120-09
3	11 7/8	10	R	5331-119-10
3	11 5/8	11	R	5331-116-11
3	11 3/8	12	R	5331-114-12
3	11 1/8	13	R	5331-111-13
3	11 1/8	14	R	5331-111-14
3	11	15	R	5331-110-15

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11 3/4	11	R	5321-118-11
3	11 1/2	12	R	5321-115-12
3	11 1/8	13	R	5321-113-13
3	11 1/8	14	R	5321-113-14
3	11	15	R	5321-110-15



Prop hardware for pressed in hub propeller.
 * Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 60~140 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

60 HP 99 ~ 90 HP 87 ~ 120 HP 86 ~
 70 HP 99 ~ 115 HP 140 HP 88 ~
 MD 70, 90, 115 TLDI NSD 70, 90, 115 TLDI

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

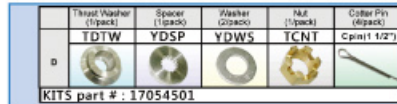
B	D	P	R	PART NO.
3	14	11	R	3431-140-11
3	13 3/4	13	R	3431-138-13
3	13 1/2	15	R	3431-135-15
3	13 1/4	17	R	3431-133-17
3	13	19	R	3431-130-19
3	13	21	R	3431-130-21

TITAN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	3441-138-13
3	13 3/4	15	R	3441-138-15
3	13 1/4	17	R	3441-133-17
3	13 1/4	19	R	3441-133-19

HR TITAN 4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	3453-135-13
4	13 1/4	15	R	3453-133-15
4	13	17	R	3453-130-17
4	13	19	R	3453-130-19
4	13	21	R	3453-130-21



Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.



NEW SATURN

All-around Performance Propeller

- * Three-blade stainless steel propeller
- * Offers good acceleration & all-around performance
- * Smaller pitch sizes offered in extra large diameter with increased blade area
- * Large ear design is ideal for pontoons, commercial hulls, and heavy loads



TITAN

High Power Applications

- * Three-blade stainless steel propeller
- * High camber blade and large blade area design
- * Great load carrying capability
- * Excellent fuel economy



HR TITAN 4

Excellent Cruising Performance

- * Four blade stainless steel propeller
- * Provides great stern lift and acceleration
- * High rake blade with large cupping design
- * Delivers powerful thrust and very smooth performance
- * Increased speed and fuel economy in the engine's mid-range
- * Excellent cruising performance

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 35~55 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

35 HP ~ 84
40 HP 84 ~

50 HP 87 ~
55 HP 81 ~ 88

MD 40, 50 TLDI
NSD 40, 50, TLDI

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12.2	7	R	5311-122-07
3	12.2	8	R	5311-122-08
3	12.1	9	R	5311-121-09
3	11.6	11	R	5311-116-11
3	11.4	12	R	5311-114-12
3	11.1	13	R	5311-111-13
3	11.1	14	R	5311-111-14
3	11	15	R	5311-110-15
3	11	16	R	5311-110-16
3	11	17	R	5311-110-17

AMITA 3-C Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	5311-120-10
3	11.8	11	R	5311-118-11
3	11.6	12	R	5311-116-12
3	11.6	13	R	5311-116-13
3	11.6	14	R	5311-116-14
3	11.4	15	R	5311-114-15
3	11.4	16	R	5311-114-16

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	11.8	9	R	5313-118-09
4	11.4	10	R	5313-114-10
4	11.1	11	R	5313-111-11
4	10.8	12	R	5313-108-12
4	10.5	13	R	5313-105-13
4	10.5	14	R	5313-105-14

Thrust Washer (1pack)	Washer (2pack)	Nut (1pack)	Collar Pin (4pack) (Cpin1 1/2")
TCTW	YDWS	TCNT	

KITS part # : 17053501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 60~140 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

60 HP 99 ~
70 HP 99 ~
MD 70, 90, 115 TLDI

90 HP 87 ~
115 HP
NSD 70, 90, 115 TLDI

120 HP 86 ~
140 HP 88 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	3411-140-09
3	14	11	R	3411-140-11
3	13.75	13	R	3411-138-13
3	13.5	15	R	3411-135-15
3	13.25	17	R	3411-133-17
3	13	19	R	3411-130-19
3	13	21	R	3411-130-21

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.2	19	R	3411-132-19
3	13.2	21	R	3411-132-21



• Larger Blade Design
• High Performance

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	3413-133-13
4	13	15	R	3413-130-15
4	12.75	17	R	3413-128-17
4	12.5	19	R	3413-125-19
4	12.5	21	R	3413-125-21

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Collar Pin (4pack) (Cpin1 1/2")
TDTW	YDSP	YDWS	TCNT	

KITS part # : 17054501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

A 8~20 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

8 HP 01 ~
9.9 HP 88 ~

15 HP..... 88 ~

20 HP..... 03 ~

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	3121- 093- 07
3	9 1/4	8	R	3121- 093- 08
3	9 1/4	9	R	3121- 093- 09
3	9 1/4	10	R	3121- 093- 10
3	9 1/4	11	R	3121- 093- 11



SATURN

General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

	Thrust Washer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
	HATW	YAWS	YANT	Apin(1 1/8")
A				
KITS part # : 17061501				

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

B 25~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

25 HP All Years

30 HPAll Years

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	10	8	R	5221-100-08
3	10	9	R	5221-100-09
3	10	10	R	5221-100-10
3	10	11	R	5221-100-11
3	10	12	R	5221-100-12
3	10	13	R	5221-100-13



SATURN

General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

	Thrust Washer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
	HBTW	TAWS	TANT	Apin(1 1/8")
B				
KITS part # : 17062501				

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

A 8~20 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

8 HP 01 ~
9.9 HP 88 ~

15 HP..... 88 ~

20 HP..... 03 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	3111-093-07
3	9.25	8	R	3111-093-08
3	9.25	9	R	3111-093-09
3	9.25	10	R	3111-093-10
3	9.25	11	R	3111-093-11

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	3113-093-07
4	9.25	8	R	3113-093-08
4	9.25	9	R	3113-093-09
4	9.25	10	R	3113-093-10
4	9.25	11	R	3113-093-11

For heavy boat ; high thrust

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10	5	R	3113-100-05
4	10	7	R	3113-100-07

- Offers excellent forward and reverse thrust.
- Ideal for heavy load and sail drive application.



	Thrust Washer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
A	HATW	YAWS	YANT	Apin(1.18")

KITS part #: 17061501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub A series propeller.

B 25~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

25 HP All Years

30 HP All Years

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	9.9	9	R	5211-099-09
3	9.9	10	R	5211-099-10
3	9.9	11	R	5211-099-11
3	9.9	12	R	5211-099-12
3	9.9	13	R	5211-099-13

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	5213-102-11
4	10.1	12	R	5213-101-12
4	10	13	R	5213-100-13
4	10	14	R	5213-100-14



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

	Thrust Washer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
B	HBTW	TAWS	TANT	Apin(1.18")

KITS part #: 17062501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub B series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 35~60 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

35 HP 91 ~ 94 ~ 45 HP 91 ~ 94
 40 HP 95 ~ BF-40 EFI, BF-50 EFI
 50 HP 95 ~ BF-60 EFI

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	3331-120-08
3	12	9	R	3331-120-09
3	11 7/8	10	R	3331-119-10
3	11 5/8	11	R	3331-116-11
3	11 3/8	12	R	3331-114-12
3	11 1/8	13	R	3331-111-13
3	11 1/8	14	R	3331-111-14
3	11	15	R	3331-110-15

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11 3/4	11	R	3321-118-11
3	11 1/2	12	R	3321-115-12
3	11 1/8	13	R	3321-113-13
3	11 1/8	14	R	3321-113-14
3	11	15	R	3321-110-15

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
HCTW	YCSP	YDWS	YCNT	Cpin(1 1/2")

KITS part #: 17063501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 75~130 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

BF 75 HP 95 ~ BF 115 HP 98 ~2009 BF 130 HP 98 ~2009
 BF 90 HP 95 ~ BFP60A ALL YEAR

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	11	R	1431-140-11
3	13 3/4	13	R	1431-138-13
3	13 3/4	13	L	1432-138-13
3	13 1/2	15	R	1431-135-15
3	13 1/2	15	L	1432-135-15
3	13 1/4	17	R	1431-133-17
3	13 1/4	17	L	1432-133-17
3	13	19	R	1431-130-19
3	13	19	L	1432-130-19
3	13	21	R	1431-130-21

TITAN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	1441-138-13
3	13 3/4	13	L	1442-138-13
3	13 3/4	15	R	1441-138-15
3	13 3/4	15	L	1442-138-15
3	13 1/4	17	R	1441-133-17
3	13 1/4	17	L	1442-133-17
3	13 1/4	19	R	1441-133-19
3	13 1/4	19	L	1442-133-19

HR TITAN 4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	1453-135-13
4	13 1/2	13	L	1454-135-13
4	13 1/4	15	R	1453-133-15
4	13 1/4	15	L	1454-133-15
4	13	17	R	1453-130-17
4	13	17	L	1454-130-17
4	13	19	R	1453-130-19
4	13	19	L	1454-130-19
4	13	21	R	1453-130-21
4	13	21	L	1454-130-21

Honda 75~130HP 2007~ EFI

HR TITAN 3 PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 7/8	15	R	1451-139-15
3	13 7/8	15	L	1452-139-15
3	13 7/8	17	R	1451-139-17
3	13 7/8	17	L	1452-139-17
3	13 7/8	19	R	1451-139-19
3	13 7/8	19	L	1452-139-19
3	13 7/8	21	R	1451-139-21
3	13 7/8	21	L	1452-139-21
3	13 7/8	23	R	1451-139-23
3	13 7/8	23	L	1452-139-23
3	13 7/8	25	R	1451-139-25



TITAN
High Power Applications



HR TITAN 4
Excellent Cruising Performance

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
HDTW	HESP	Original HONDA Part	Original HONDA Part	Original HONDA Part

KITS part #: 17064501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub D series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 35~60 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

35 HP 91 ~ 94 ~
40 HP 95 ~

45 HP 91 ~ 94
BF-40 EFI, BF-50 EFI

50 HP 95 ~
BF-60 EFI

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12.2	7	R	3311-122-07
3	12.2	8	R	3311-122-08
3	12.1	9	R	3311-121-09
3	11.6	11	R	3311-116-11
3	11.4	12	R	3311-114-12
3	11.1	13	R	3311-111-13
3	11.1	14	R	3311-111-14
3	11	15	R	3311-110-15
3	11	16	R	3311-110-16
3	11	17	R	3311-110-17

AMITA 3-C Plus Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	3311-120-10
3	11.8	11	R	3311-118-11
3	11.6	12	R	3311-116-12
3	11.6	13	R	3311-116-13
3	11.6	14	R	3311-116-14
3	11.4	15	R	3311-114-15
3	11.4	16	R	3311-114-16

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	11.8	9	R	3313-118-09
4	11.4	10	R	3313-114-10
4	11.1	11	R	3313-111-11
4	10.8	12	R	3313-108-12
4	10.5	13	R	3313-105-13
4	10.5	14	R	3313-105-14

Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/2pack)	Nut (1/1pack)	Center Pin (4/4pack)
HCTW	YCSP	YDWS	YCNT	Spint(1/2")

KITS part # : 17063501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub C series propeller.

D 75~130 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

75 HP 95 ~
90 HP 95 ~

115 HP 98 ~2009
BFP60A 2011 ~

130 HP 98 ~2009

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	1411-140-09
3	14	11	R	1411-140-11
3	13.75	13	R	1411-138-13
3	13.75	13	L	1412-138-13
3	13.5	15	R	1411-135-15
3	13.5	15	L	1412-135-15
3	13.25	17	R	1411-133-17
3	13.25	17	L	1412-133-17
3	13	19	R	1411-130-19
3	13	21	R	1411-130-21

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.5	13	R	1411-135-13
3	13.4	15	R	1411-134-15
3	13.2	17	R	1411-132-17
3	13.1	19	R	1411-131-19

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13.2	19	R	1411-132-19
3	13.2	21	R	1411-132-21

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	1413-133-13
4	13	15	R	1413-130-15
4	12.75	17	R	1413-128-17
4	12.5	19	R	1413-125-19
4	12.5	21	R	1413-125-21



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

Honda 75~130HP 2007~ EFI

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.75	15	R	1413-138-15
4	13.75	17	R	1413-138-17
4	13.75	19	R	1413-138-19
4	13.75	21	R	1413-138-21

Thrust Washer (1/1pack)	Spacer (1/1pack)	Washer (2/2pack)	Nut (1/1pack)	Center Pin (4/4pack)
HDTW	HESP	Original HONDA Part	Original HONDA Part	Original HONDA Part

KITS part # : 17064501

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub Dseries propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

E 115~225 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

115 HP 2010 ~
130 HP 2010 ~

135 HP 04 ~
150 HP 04 ~

200 HP 02 ~
225 HP 02 ~

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14 1/2	15	R	1531-145-15
3	14 1/2	15	L	1532-145-15
3	14 1/4	17	R	1531-143-17
3	14 1/4	17	L	1532-143-17
3	14	19	R	1531-140-19
3	14	19	L	1532-140-19
3	14	21	R	1531-140-21
3	14	21	L	1532-140-21
3	14	23	R	1531-140-23
3	14	23	L	1532-140-23
3	14	25	R	1531-140-25

NEW SATURN-E Plus
Suggested for 135 ~ 150 HP Motors for Heavy Boat

3	15 5/8	11	R	1531-156-11
3	15 5/8	13	R	1531-156-13
3	15 5/8	13	L	1532-156-13

HR TITAN 3 PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15	14	R	1551-150-14
3	15	14	L	1552-150-14
3	14 3/4	16	R	1551-148-16
3	14 3/4	16	L	1552-148-16
3	14 3/4	17	R	1551-148-17
3	14 3/4	17	L	1552-148-17
3	14 3/4	18	R	1551-148-18
3	14 3/4	18	L	1552-148-18
3	14 3/4	19	R	1551-148-19
3	14 3/4	19	L	1552-148-19
3	14 3/4	20	R	1551-148-20
3	14 3/4	20	L	1552-148-20
3	14 1/2	21	R	1551-145-21
3	14 1/2	21	L	1552-145-21
3	14 1/4	22	R	1551-143-22
3	14 1/4	22	L	1552-143-22
3	14	24	R	1551-140-24
3	14	24	L	1552-140-24

HR TITAN 4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14 1/2	15	R	1553-145-15
4	14 1/2	15	L	1554-145-15
4	14 1/4	17	R	1553-143-17
4	14 1/4	17	L	1554-143-17
4	14 1/8	18	R	1553-141-18
4	14 1/8	18	L	1554-141-18
4	14 1/8	19	R	1553-141-19
4	14 1/8	19	L	1554-141-19
4	14	20	R	1553-140-20
4	14	20	L	1554-140-20
4	14	21	R	1553-140-21
4	14	21	L	1554-140-21
4	14	22	R	1553-140-22
4	14	22	L	1554-140-22
4	14	23	R	1553-140-23
4	14	23	L	1554-140-23
4	14	25	R	1553-140-25
4	14	25	L	1554-140-25
4	14	27	R	1553-140-27

LEXOR Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15 3/4	15	R	1571-158-15
3	15 3/4	15	L	1572-158-15
3	15 5/8	16	R	1571-156-16
3	15 5/8	16	L	1572-156-16
3	15 1/2	17	R	1571-155-17
3	15 1/2	17	L	1572-155-17
3	15 3/8	18	R	1571-154-18
3	15 3/8	18	L	1572-154-18
3	15 1/4	19	R	1571-153-19
3	15 1/4	19	L	1572-153-19
3	15 1/8	20	R	1571-151-20
3	15 1/8	20	L	1572-151-20
3	15	21	R	1571-150-21
3	15	21	L	1572-150-21
3	14 7/8	22	R	1571-149-22
3	14 7/8	22	L	1572-149-22
3	14 3/4	23	R	1571-148-23
3	14 3/4	23	L	1572-148-23
3	14 1/2	25	R	1571-145-25
3	14 1/2	25	L	1572-145-25
3	14 1/2	27	R	1571-145-27
3	14 1/2	27	L	1572-145-27

Scorpion Stainless steel 3 blade Rubber Hub

Check the RUBEX chart
S3 Prop for SCORPION.
www.rubexprops.com

Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1bnds)	Coiler Pin (1pack)
HETW	HESP	Original HONDA Part	Original HONDA Part	Original HONDA Part
KITS part #: 17065501				

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub E series propeller.



LEXOR
All-around Performance

- * Three blade stainless steel propeller
- * Large diameter and blade area for big boat loads
- * Great high speed performance without sacrificing mid-range speeds
- * Excellent fuel economy for offshore boats

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

E 115~225 Horsepower(15 Tooth Spline & Thru Hub Exhaust)

115 HP 2010 ~
130 HP 2010 ~

135 HP 04 ~
150 HP 04 ~

200 HP 02 ~
225 HP 02 ~

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	1511-155-13
3	15	15	R	1511-150-15
3	15	15	L	1512-150-15
3	14.8	17	R	1511-148-17
3	14.8	17	L	1512-148-17
3	14.5	19	R	1511-145-19
3	14.5	19	L	1512-145-19
3	14.3	21	R	1511-143-21
3	14.3	21	L	1512-143-21
3	14.2	23	R	1511-142-23
3	14.2	23	L	1512-142-23

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	1511-160-13
3	15.8	15	R	1511-158-15
3	15.8	15	L	1512-158-15
3	15.5	17	R	1511-155-17
3	15.5	17	L	1512-155-17
3	15.3	19	R	1511-153-19
3	15.3	19	L	1512-153-19
3	15.3	21	R	1511-153-21
3	15.3	21	L	1512-153-21
3	15.3	23	R	1511-153-23

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	1513-148-15
4	14.75	15	L	1514-148-15
4	14.5	17	R	1513-145-17
4	14.5	17	L	1514-145-17
4	14.25	19	R	1513-143-19
4	14.25	19	L	1514-143-19
4	14	21	R	1513-140-21
4	14	21	L	1514-140-21
4	14	23	R	1513-140-23



AMITA 3

- * Three blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Outstanding acceleration and top speed



AMITA 3-E Plus

- * Larger blade design
- * Better thrust
- * Suitable for heavy boats



AMITA 4

- * Four blade aluminum propeller
- * Exclusive Solas squeeze casting process
- * Wide blade design specifically for 4-stroke engines
- * Increased static thrust for heavy loads & maneuverability
- * Great stern lift and mid-range performance

Thrust Washer (1pack)	Spacer (1pack)	Spacer (2pack)	Nut (1pack)	Order Pin (4pack)
HETW	HESP			
		Original HONDA Part	Original HONDA Part	Original HONDA Part
KITS part # : 17065501				

Prop hardware for pressed in hub propeller.

* Required hardware to install propeller that SOLAS makes in hub E series propeller.

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

Volvo Penta Aquamatic SP Stern Drive

E Aquamatic (Long Hub)

AQ 280
AQ 290

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
4	15 1/2	15	R	8823-155-15
4	15 1/2	15	L	8824-155-15
4	15 1/2	17	R	8823-155-17
4	15 1/2	17	L	8824-155-17
4	15 1/2	19	R	8823-155-19
4	15 1/2	19	L	8824-155-19

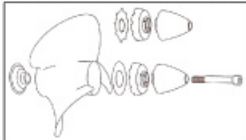
NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15	15	R	8831-150-15
3	15	15	L	8832-150-15
3	15	17	R	8831-150-17
3	15	17	L	8832-150-17
3	15	19	R	8831-150-19
3	15	19	L	8832-150-19
3	15	21	R	8831-150-21
3	15	21	L	8832-150-21

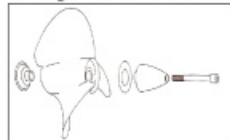
TITAN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15 5/8	15	R	8841-156-15
3	15 5/8	15	L	8842-156-15
3	15 5/8	17	R	8841-156-17
3	15 5/8	17	L	8842-156-17
3	15 5/8	19	R	8841-156-19
3	15 5/8	19	L	8842-156-19
3	15 5/8	21	R	8841-156-21
3	15 5/8	21	L	8842-156-21
3	15 5/8	23	R	8841-156-23
3	15 5/8	23	L	8842-156-23

Standard Hub Installation

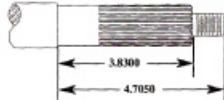


Long Hub Installation

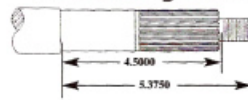


NEW SATURN

VOLVO Standard Shaft



VOLVO Long Shaft



OMC, Volvo Penta SX Drive

E SX Drive (19 Tooth Spline)

3.0 L, 4.3 L, 5.0L, 5.7L, 5.8L, 7.4L, 8.2L

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
E	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part

Prop hardware for pressed in hub propeller.

HR TITAN 3 PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15	14	R	8651-150-14
3	15	14	L	8652-150-14
3	14 3/4	16	R	8651-148-16
3	14 3/4	16	L	8652-148-16
3	14 3/4	17	R	8651-148-17
3	14 3/4	17	L	8652-148-17
3	14 3/4	18	R	8651-148-18
3	14 3/4	18	L	8652-148-18
3	14 3/4	19	R	8651-148-19
3	14 3/4	19	L	8652-148-19
3	14 3/4	20	R	8651-148-20
3	14 3/4	20	L	8652-148-20
3	14 1/2	21	R	8651-145-21
3	14 1/2	21	L	8652-145-21
3	14 1/4	22	R	8651-143-22
3	14 1/4	22	L	8652-143-22
3	14	24	R	8651-140-24
3	14	24	L	8652-140-24

HR TITAN 4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14 1/2	15	R	8653-145-15
4	14 1/2	15	L	8654-145-15
4	14 1/4	17	R	8653-143-17
4	14 1/4	17	L	8654-143-17
4	14 1/8	18	R	8653-141-18
4	14 1/8	18	L	8654-141-18
4	14 1/8	19	R	8653-141-19
4	14 1/8	19	L	8654-141-19
4	14	20	R	8653-140-20
4	14	20	L	8654-140-20
4	14	21	R	8653-140-21
4	14	21	L	8654-140-21
4	14	22	R	8653-140-22
4	14	22	L	8654-140-22
4	14	23	R	8653-140-23
4	14	23	L	8654-140-23
4	14	25	R	8653-140-25
4	14	25	L	8654-140-25
4	14	27	R	8653-140-27



HR TITAN 4

Excellent Cruising Performance

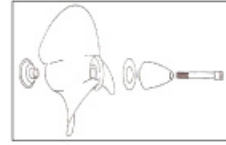
- * Four blade stainless steel propeller
- * Provides great stern lift and acceleration
- * High rake blade with large cupping design
- * Delivers powerful thrust and very smooth performance
- * Increased speed and fuel economy in the engine's mid-range
- * Excellent cruising performance

Volvo Penta Aquamatic SP Stern Drive

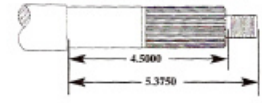
E Aquamatic (Long Hub)

AQ 280
AQ 290

Long Hub Installation



VOLVO Long Shaft



AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	8811-155-13
3	15	15	R	8811-150-15
3	15	15	L	8812-150-15
3	14.8	17	R	8811-148-17
3	14.8	17	L	8812-148-17
3	14.5	19	R	8811-145-19
3	14.5	19	L	8812-145-19
3	14.3	21	R	8811-143-21
3	14.3	21	L	8812-143-21
3	14.2	23	R	8811-142-23
3	14.2	23	L	8812-142-23

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	8811-160-13
3	15.8	15	R	8811-158-15
3	15.8	15	L	8812-158-15
3	15.5	17	R	8811-155-17
3	15.5	17	L	8812-155-17
3	15.3	19	R	8811-153-19
3	15.3	19	L	8812-153-19
3	15.3	21	R	8811-153-21
3	15.3	21	L	8812-153-21

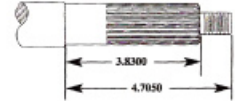
AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	8813-148-15
4	14.75	15	L	8814-148-15
4	14.5	17	R	8813-145-17
4	14.5	17	L	8814-145-17
4	14.25	19	R	8813-143-19
4	14.25	19	L	8814-143-19
4	14	21	R	8813-140-21
4	14	21	L	8814-140-21
4	14	23	R	8813-140-23

Standard Hub Installation



VOLVO Standard Shaft



E Aquamatic (Standard Hub)(Short Hub)

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	15	L	8712-150-15
3	14.8	17	L	8712-148-17
3	14.5	19	L	8712-145-19
3	14.3	21	L	8712-143-21

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.8	15	L	8712-158-15
3	15.5	17	L	8712-155-17
3	15.3	19	L	8712-153-19
3	15.3	21	L	8712-153-21

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	L	8714-148-15
4	14.5	17	L	8714-145-17
4	14.25	19	L	8714-143-19
4	14	21	L	8714-140-21

OMC, Volvo Penta SX Drive

E SX Drive (19 Tooth Spline)

3.0 L, 4.3 L, 5.0L, 5.7L, 5.8L, 7.4L, 8.2L

	Thrust Washer (1pack)	Spacer (1pack)	Washer (2pack)	Nut (1pack)	Cotter Pin (4pack)
E	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part

Prop hardware for pressed in hub propeller.

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	13	R	8611-155-13
3	15	15	R	8611-150-15
3	15	15	L	8612-150-15
3	14.8	17	R	8611-148-17
3	14.8	17	L	8612-148-17
3	14.5	19	R	8611-145-19
3	14.5	19	L	8612-145-19
3	14.3	21	R	8611-143-21
3	14.3	21	L	8612-143-21
3	14.2	23	R	8611-142-23
3	14.2	23	L	8612-142-23

AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	16	13	R	8611-160-13
3	15.8	15	R	8611-158-15
3	15.8	15	L	8612-158-15
3	15.5	17	R	8611-155-17
3	15.5	17	L	8612-155-17
3	15.3	19	R	8611-153-19
3	15.3	19	L	8612-153-19
3	15.3	21	R	8611-153-21
3	15.3	21	L	8612-153-21

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	R	8613-148-15
4	14.75	15	L	8614-148-15
4	14.5	17	R	8613-145-17
4	14.5	17	L	8614-145-17
4	14.25	19	R	8613-143-19
4	14.25	19	L	8614-143-19
4	14	21	R	8613-140-21
4	14	21	L	8614-140-21
4	14	23	R	8613-140-23



AMITA 3 - E Plus



AMITA 4

Volvo Penta Dual Props

DP 280, DP 290

Aluminum Propellers

Aluminum 3 blade
Rubber Hub

Front propeller

B	D	P		PART NO.
3	15.5	17	Front	8512-155-17
3	15.3	19	Front	8512-153-19
3	15.3	21	Front	8512-153-21



Front propeller

Aluminum 4 blade
Rubber Hub

Rear propeller

B	D	P		PART NO.
4	13.75	17	Rear	8513-138-17
4	13.75	19	Rear	8513-138-19
4	13.75	21	Rear	8513-138-21



Rear propeller

Stainless Steel Propellers

Stainless steel 3 blade
Rubber Hub

Front propeller

B	D	P		PART NO.
3	15	15	Front	8532-150-15
3	15	17	Front	8532-150-17
3	15	19	Front	8532-150-19
3	15	21	Front	8532-150-21



Front propeller

Stainless steel 3 blade
Rubber Hub

Rear propeller

B	D	P		PART NO.
3	13.5	15	Rear	8531-135-15
3	13.3	17	Rear	8531-133-17
3	13	19	Rear	8531-130-19
3	13	21	Rear	8531-130-21

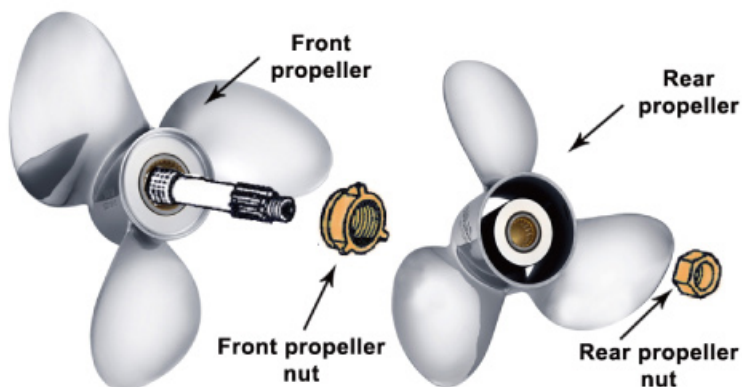


Rear propeller

	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
E	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part	Original VOLVO Part

Prop hardware for pressed in hub propeller.

Volvo Penta Dual Props



**Volvo Penta
A & B Series
DP280,290**



Volvo Duo Props may require special tools to install. This prop requires OEM hardware to install. Please consult OEM manual for proper installation and for torque specs.

Volvo Part #	Front propeller (SST propeller)	Rear propeller (SST propeller)	Front propeller (ALUMINUM propeller)	Rear propeller (ALUMINUM propeller)
B2	8532-150-15	8531-135-15		
A2	8532-150-17	8531-133-17	8512-155-17	8513-138-17
B3	8532-150-17	8531-133-17	8512-155-17	8513-138-17
(Heavy) A3	8532-150-17	8531-130-19	8512-155-17	8513-138-19
A3	8532-150-19	8531-130-19	8512-153-19	8513-138-19
B4	8532-150-19	8531-130-19	8512-153-19	8513-138-19
(Heavy) A4	8532-150-19	8531-130-19	8512-153-19	8513-138-19
A4	8532-150-19	8531-130-21	8512-153-19	8513-138-21
B5	8532-150-19	8531-130-21	8512-153-19	8513-138-21
A5	8532-150-19	8531-130-21	8512-153-19	8513-138-21
A6	8532-150-21	8531-130-21	8512-153-21	8513-138-21
B6	8532-150-21	8531-130-21	8512-153-21	8513-138-21
(Light) A7	8532-150-21	8531-130-21	8512-153-21	8513-138-21

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

A 9.9~15 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

F9.9/15

T9.9/15

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	9 1/4	7	R	3121-093-07
3	9 1/4	8	R	3121-093-08
3	9 1/4	9	R	3121-093-09
3	9 1/4	10	R	3121-093-10
3	9 1/4	11	R	3121-093-11



SATURN

General Purpose Propeller

- * Three-blade stainless steel propeller
- * All-around general purpose performance
- * A more durable replacement for aluminum propeller with better efficiency

B 20~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

F20/25

T20/25/30

NEW SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	10 3/4	10	R	3231-108-10
3	10 1/2	11	R	3231-105-11
3	10 1/4	12	R	3231-103-12
3	10 1/8	13	R	3231-101-13
3	10	14	R	3231-100-14
3	10	15	R	3231-100-15

SATURN Stainless steel 3 blade
PROP Rubber Hub

B	D	P	R	PART NO.
3	10	8	R	3221-100-08
3	10	9	R	3221-100-09
3	10	10	R	3221-100-10
3	10	11	R	3221-100-11
3	10	12	R	3221-100-12
3	10	13	R	3221-100-13

NEW SATURN Stainless steel blade
PROP Rubber Hub

B	D	P	R	PART NO.
4	10	9	R	3233-100-09
4	10	10	R	3233-100-10

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

2.5/ 5 Horsepower (9 Tooth Spline & Thru Hub Exhaust; Spline Drive)

F2.6 F4/5 T2.5/3.6

AMITA 3 Aluminum 3 blade
Rubber Hub

B	D	P	R	PART NO.
3	7.25	5	R	3011-073-05S
3	7.5	7	R	3011-075-07S

8 6~8 Horsepower

(7 Tooth Spline & Thru Hub Exhaust)

F6/8/9.8

AMITA 3 Aluminum 3 blade
Rubber Hub

B	D	P	R	PART NO.
3	8.5	7	R	3011-085-07
3	8.5	8	R	3011-085-08
3	8.5	9	R	3011-085-09

8 4 ~ 9.8 Horsepower

(12 Tooth Spline & Thru Hub Exhaust)

T4/5/5.8 T6/8/9.8

AMITA 3 Aluminum 3 blade
Rubber Hub

B	D	P	R	PART NO.
3	7.8	7	R	5011-078-07
3	7.8	8	R	5011-078-08
3	7.8	9	R	5011-078-09

AMITA 3 Aluminum 3 blade
Rubber Hub

B	D	P	R	PART NO.
3	8.5	7	R	5011-085-07
3	8.5	8	R	5011-085-08
3	8.5	9	R	5011-085-09

A 9.9~15 Horsepower (8 Tooth Spline & Thru Hub Exhaust)

F9.9/15 T9.9/15

AMITA 3 Aluminum 3 blade
Rubber Hub

B	D	P	R	PART NO.
3	9.25	7	R	3111-093-07
3	9.25	8	R	3111-093-08
3	9.25	9	R	3111-093-09
3	9.25	10	R	3111-093-10
3	9.25	11	R	3111-093-11

AMITA 4 Aluminum 4 blade
Rubber Hub

B	D	P	R	PART NO.
4	9.25	7	R	3113-093-07
4	9.25	8	R	3113-093-08
4	9.25	9	R	3113-093-09
4	9.25	10	R	3113-093-10
4	9.25	11	R	3113-093-11

B 20~30 Horsepower (10 Tooth Spline & Thru Hub Exhaust)

F20/25 T20/25/30

AMITA 3 Aluminum 3 blade
Rubber Hub

B	D	P	R	PART NO.
3	9.9	9	R	3211-099-09
3	9.9	10	R	3211-099-10
3	9.9	11	R	3211-099-11
3	9.9	12	R	3211-099-12
3	9.9	13	R	3211-099-13

AMITA 4 Aluminum 4 blade
Rubber Hub

B	D	P	R	PART NO.
4	10.2	11	R	3213-102-11
4	10.1	12	R	3213-101-12
4	10	13	R	3213-100-13
4	10	14	R	3213-100-14
4	10	15	R	3213-100-15

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 40~60 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

T35/40

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12	8	R	3331-120-08
3	12	9	R	3331-120-09
3	11 7/8	10	R	3331-119-10
3	11 5/8	11	R	3331-116-11
3	11 3/8	12	R	3331-114-12
3	11 1/8	13	R	3331-111-13
3	11 1/8	14	R	3331-111-14
3	11	15	R	3331-110-15

SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	11 3/4	11	R	3321-118-11
3	11 1/2	12	R	3321-115-12
3	11 1/8	13	R	3321-113-13
3	11 1/8	14	R	3321-113-14
3	11	15	R	3321-110-15

D 60~130 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

T75/85/90

NEW SATURN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	11	R	3431-140-11
3	13 3/4	13	R	3431-138-13
3	13 3/4	13	L	3432-138-13
3	13 1/2	15	R	3431-135-15
3	13 1/2	15	L	3432-135-15
3	13 1/4	17	R	3431-133-17
3	13 1/4	17	L	3432-133-17
3	13	19	R	3431-130-19
3	13	19	L	3432-130-19
3	13	21	R	3431-130-21

TITAN PROP Stainless steel 3 blade Rubber Hub

B	D	P	R	PART NO.
3	13 3/4	13	R	3441-138-13
3	13 3/4	13	L	3442-138-13
3	13 3/4	15	R	3441-138-15
3	13 3/4	15	L	3442-138-15
3	13 1/4	17	R	3441-133-17
3	13 1/4	17	L	3442-133-17
3	13 1/4	19	R	3441-133-19
3	13 1/4	19	L	3442-133-19

HR TITAN 4 PROP Stainless steel 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13 1/2	13	R	3453-135-13
4	13 1/2	13	L	3454-135-13
4	13 1/4	15	R	3453-133-15
4	13 1/4	15	L	3454-133-15
4	13	17	R	3453-130-17
4	13	17	L	3454-130-17
4	13	19	R	3453-130-19
4	13	19	L	3454-130-19
4	13	21	R	3453-130-21
4	13	21	L	3454-130-21

* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

C 40~60 Horsepower (13 Tooth Spline & Thru Hub Exhaust)

T35/40

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	12.2	7	R	3311-122-07
3	12.2	8	R	3311-122-08
3	12.1	9	R	3311-121-09
3	11.6	11	R	3311-116-11
3	11.4	12	R	3311-114-12
3	11.1	13	R	3311-111-13
3	11.1	14	R	3311-111-14
3	11	15	R	3311-110-15
3	11	16	R	3311-110-16
3	11	17	R	3311-110-17

AMITA 3-C Plus Rubber Hub

B	D	P	R	PART NO.
3	12	10	R	3311-120-10
3	11.8	11	R	3311-118-11
3	11.6	12	R	3311-116-12
3	11.6	13	R	3311-116-13
3	11.6	14	R	3311-116-14
3	11.4	15	R	3311-114-15
3	11.4	16	R	3311-114-16

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	11.8	9	R	3313-118-09
4	11.4	10	R	3313-114-10
4	11.1	11	R	3313-111-11
4	10.8	12	R	3313-108-12
4	10.5	13	R	3313-105-13
4	10.5	14	R	3313-105-14

D 60~130 Horsepower (15 Tooth Spline & Thru Hub Exhaust)

T75/85/90

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	14	9	R	3411-140-09
3	14	11	R	3411-140-11
3	13.75	13	R	3411-138-13
3	13.75	13	L	3412-138-13
3	13.5	15	R	3411-135-15
3	13.5	15	L	3412-135-15
3	13.25	17	R	3411-133-17
3	13.25	17	L	3412-133-17
3	13	19	R	3411-130-19
3	13	21	R	3411-130-21

AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	13.25	13	R	3413-133-13
4	13	15	R	3413-130-15
4	12.75	17	R	3413-128-17
4	12.5	19	R	3413-125-19
4	12.5	21	R	3413-125-21

APPLICATION CHART						
CATEGORY	MODEL	PROPELLER SIZE	PARSUN PART NO	YAMAHA PART NO	TOHATSU PART NO	SOLAS
2.5 ? 5	F2.6	3 - 7 1/2" x 7"	F4-03070000	6E0-45943-01-EL		3011-075-07S
		3 - 7 1/4" x 6"	F2.6-03010000	6L5-45943-00-EL		3011-073-05S
	F4/5	3 - 7 1/2" x 7"	F4-03070000	6E0-45943-01-EL		3011-075-07S
		3 - 7 1/4" x 6"	F2.6-03010000	6L5-45943-00-EL		3011-073-05S
	T2.5/3.6	3 - 7 1/2" x 7"	F4-03070000	6E0-45943-01-EL		3011-075-07S
		3 - 7 1/4" x 6"	F2.6-03010000	6L5-45943-00-EL		3011-073-05S
8	T4/5/5.8	3 - 7.8" x 8.0"	T5-03030000		3R1W64516-0	5011-078-09
	T6/8/9.8	3 - 8.9" x 8.3"	F8-04050000		3B2B64517-1	5011-085-08
	F6/8/9.8	3 - 8.9" x 8.3"	F8-04050000		3B2B64517-1	3011-085-08
A	F9.9/15	3 - 9 1/4" x 11"	F15-06090000-11	63V-45943-00-EL		3111-093-11
	T9.9/15	3 - 9 1/4" x 8"	F15-06090000-8	63V-45947-00-EL		3111-093-08
B	F20/25	3 - 9 7/8" x 11 1/4"	F25-0408000	664-45947-01-EL		3211-099-11
	T20/25/30	3 - 9 7/8" x 11 1/4"	F25-0408000	664-45947-01-EL		3211-099-11
C	T35/40	3 - 11 1/8" x 13"	T40-04070000	663-45945-02-EL		3311-111-13
D	T75/85/90	3 - 13 1/4" x 17"	T85-04020000-17	6E5-45945-01-EL		3411-133-17
		3 - 13 5/8" x 13"	T85-04020000-13	6E5-45949-00-EL		3411-138-13

E YANMAR ZT350 and ZT370 Stern Drive

B3 Stainless steel 3 blade
Rubber Hub

B	D	P		PART NO.
3	14 3/8	20	Rear	1651-144-20
3	14 3/8	21	Rear	1651-144-21 *
3	14 1/4	22	Rear	1651-143-22
3	14 1/4	23	Rear	1651-143-23 *
3	14	24	Rear	1651-140-24
3	14	25	Rear	1651-140-25 *
3	14	26	Rear	1651-140-26
3	13 3/4	27	Rear	1651-138-27 *
3	13 3/4	28	Rear	1651-138-28
4	16	20	Front	1654-160-20
4	16	21	Front	1654-160-21 *
4	15 3/4	22	Front	1654-158-22
4	15 3/4	23	Front	1654-158-23 *
4	15 1/2	24	Front	1654-155-24
4	15 1/2	25	Front	1654-155-25 *
4	15 1/2	26	Front	1654-155-26
4	15	27	Front	1654-150-27 *
4	15	28	Front	1654-150-28

NEW!



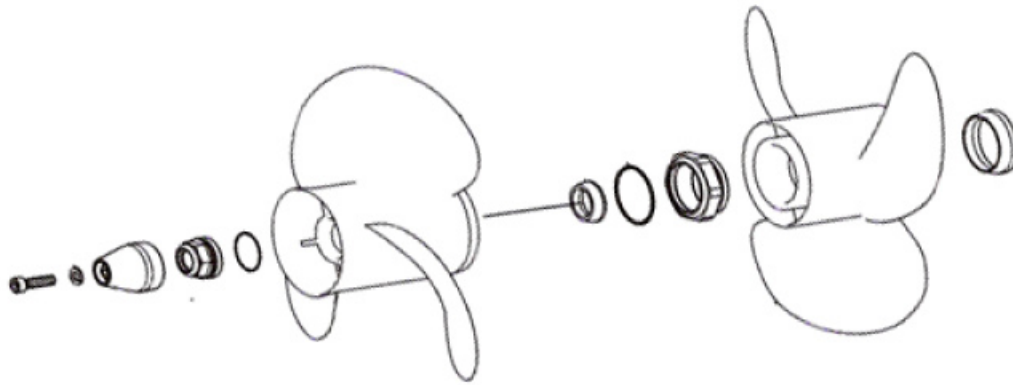
* Coming soon in December 2012.

SOLAS B3
Dual Props



* Check with engine manufacture for complete prop hardware listings. SOLAS does not make all hardware required for all motors made.

E YANMAR ZT350 and ZT370 Stern Drive



Props may require special tools to install. Please consult OEM manual for proper installation and for torque specs. Use Yanmar Propeller hardware only.

● APPLICATION CHART ●

Solas Part #	B	D	P	ROTATION	Front or Rear	Yanmar Part #
1651-144-20	3	14 3/8	20	R	REAR PROP	196350-09400
1651-144-21	3	14 3/8	21	R	REAR PROP	
1651-143-22	3	14 1/4	22	R	REAR PROP	196350-09720
1651-143-23	3	14 1/4	23	R	REAR PROP	
1651-140-24	3	14	24	R	REAR PROP	196350-09740
1651-140-25	3	14	25	R	REAR PROP	
1651-140-26	3	14	26	R	REAR PROP	196350-09760
1651-138-27	3	13 3/4	27	R	REAR PROP	
1651-138-28	3	13 3/4	28	R	REAR PROP	196350-09780
1654-160-20	4	16	20	L	FRONT PROP	196350-09400
1654-160-21	4	16	21	L	FRONT PROP	
1654-158-22	4	15 3/4	22	L	FRONT PROP	196350-09420
1654-158-23	4	15 3/4	23	L	FRONT PROP	
1654-155-24	4	15 1/2	24	L	FRONT PROP	196350-09440
1654-155-25	4	15 1/2	25	L	FRONT PROP	
1654-155-26	4	15 1/2	26	L	FRONT PROP	196350-09460
1654-150-27	4	15	27	L	FRONT PROP	
1654-150-28	4	15	28	L	FRONT PROP	196350-09480

E Standard Hub (Short Hub)

Drive Type SZ110, SZ111, SZ160, SZ161

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.5	15	L	8712-150-15
3	14.8	17	L	8712-148-17
3	14.5	19	L	8712-145-19
3	14.3	21	L	8712-143-21

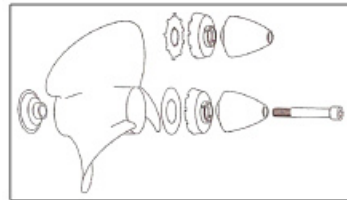
AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.8	15	L	8712-158-15
3	15.5	17	L	8712-155-17
3	15.3	19	L	8712-153-19
3	15.3	21	L	8712-153-21

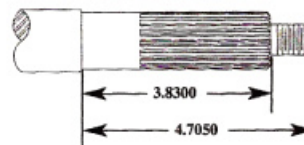
AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	L	8714-148-15
4	14.5	17	L	8714-145-17
4	14.25	19	L	8714-143-19
4	14	21	L	8714-140-21

Standard Hub Installation



Standard Shaft



E Long Hub

Drive Type SZ200, SZ251, SZ301

AMITA 3 Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15	15	L	8812-150-15
3	14.8	17	L	8812-148-17
3	14.5	19	L	8812-145-19
3	14.3	21	L	8812-143-21
3	14.2	23	L	8812-142-23

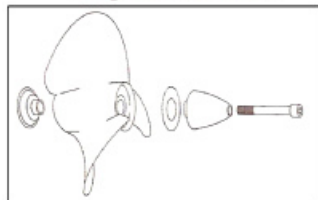
AMITA 3-E Plus Aluminum 3 blade Rubber Hub

B	D	P	R	PART NO.
3	15.8	15	L	8812-158-15
3	15.5	17	L	8812-155-17
3	15.3	19	L	8812-153-19
3	15.3	21	L	8812-153-21

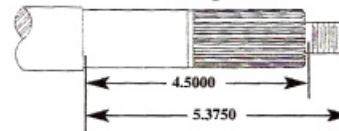
AMITA 4 Aluminum 4 blade Rubber Hub

B	D	P	R	PART NO.
4	14.75	15	L	8814-148-15
4	14.5	17	L	8814-145-17
4	14.25	19	L	8814-143-19
4	14	21	L	8814-140-21

Long Hub Installation



Long Shaft



	Thrust Washer (1/pack)	Spacer (1/pack)	Washer (2/pack)	Nut (1/pack)	Cotter Pin (4/pack)
E	Original YANMAR Part	Original YANMAR Part	Original YANMAR Part	Original YANMAR Part	Original YANMAR Part

Prop hardware for pressed in hub propeller.

