



2027

Vehicle Service Manual

**Includes Safety, Service and Maintenance
Information**

Spark Series

Version A

MAINTENANCE

MAINTENANCE

Maintenance Schedule

03 MAINTENANCE

Maintenance Schedule

Make sure to perform proper maintenance at recommended intervals as indicated in the tables.

The maintenance chart indicates the items needing to be addressed based on 2 criteria, whichever happens first:

- Calendar time
- Watercraft hours.

Your driving habits determines the factors you shall adhere to. For example:

- Someone who uses their watercraft every weekend would follow the **hours reading** to determine the frequency of his maintenance.
- Someone who uses their watercraft seldomly over the year or only on a few occasions would

follow the **calendar time** to determine the frequency of his maintenance.

IMPORTANT: The following tables show the appropriate maintenance application for the first 3 years. For subsequent years, repeat the same pattern alternatively.

Maintenance Overview		
Calendar Time	Hour meter	Regular/ Salt/ Dirty water
Every Month		A+
1 Year	100 Hours	A
Every Month		A+
2 Years	200 Hours	A and B
Every Month		A+
3 Years	300 Hours	A

1000 ACE Engines

EVERY YEAR or 100 Hours	
iBR	– Inspect brake components and function – Inspect iBR lever operation: depress and release the lever to check for freedom of movement. If any friction is felt, the lever must be taken apart, cleaned, inspected for wear and lubricated
Deck / Hull	– Inspect and torque body panel fixations – Inspect hull for deep scratches or cracks – Inspect sacrificial anode(s)
Electrical	– Inspect battery connections and condition – Inspect electrical harness routing for signs of chaffing or rubbing – *Inspect modules for fault codes and applicable software updates – Inspect proper function of RF / D.E.S.S. key by restarting the engine and pulling the key off – Inspect proper function of the emergency engine stop switch

MAINTENANCE

Maintenance Schedule

EVERY YEAR or 100 Hours	
Engine & Cooling	– Replace engine oil and oil filter – Inspect engine seals and gaskets for leaks – Inspect and adjust engine cooling components (coolant concentration, coolant level, hose condition, clamps, leaks) – Inspect water pump for signs of leakage – Inspect spark plugs and ignition coils
Exhaust	– Flush the exhaust system – Inspect exhaust components (gaskets, pipes, muffler condition, leaks)
Fuel & Air Delivery	– Inspect and Clean air delivery components and function (ducts, hoses, clamps) – Inspect and Clean fuel components and function (fuel tank cap, fuel tank fixation, hose condition, leaks)
Propulsion	– Inspect and Lubricate propulsion components and function (carbon ring, rubber boot, impeller, wear ring, reverse gate) – Inspect reverse mechanism operation
Steering & Controls	– Inspect steering components and function – Inspect steering cable and connections – Check iTC lever operation: depress and release the lever to check for freedom of movement. If any friction is felt, the lever must be taken apart, cleaned, inspected for wear and lubricated.

ADDITIONAL MAINTENANCE INTERVALS		
Every 2 years or 200 hours	Engine & Cooling	– Replace spark plugs – Inspect engine rubber mounts
	Fuel & Air Delivery	– Inspect flame arrestor
	Propulsion	– * Inspect and lubricate splines of the drive shaft and impeller – * Inspect condition of impeller bearing for radial shaft play or noise
Every 5 years or 300 hours	Engine & Cooling	– * Replace Engine coolant
* = For an extensive list of maintenance actions to be performed, refer to your local dealership services.		

MAINTENANCE

Maintenance Schedule

FOR SALT WATER OR DIRTY WATER CONDITION		
Every ride	Exhaust	– Flush the exhaust system after every ride
	Engine & Cooling	– Rinse engine compartment with fresh water and drain salt water after every ride
Every month	Deck / Hull	– Inspect sacrificial anode(s) monthly
	Engine & Cooling	– Lubricate metallic components in engine compartment with an anticorrosion lubricant monthly