

7 Service

7.1 Service schedule

The table below contains a checklist of points and actions to be taken when servicing the product. Complete service plans can be found in Autocheck.

Every year	Every 3rd year	Action	Explanation
X		Remove the body and clean the chassis.	Refer to <i>To remove and install the body on page 20.</i>
X		Check the rubber bellows on the cutting height adjustment. Replace if damaged.	Check the fit between the chassis and the bellows on top as well as the cutting height column and the bellows on the bottom. Check also that there are no cracks in the bellows.
X		Check the rubber bellows on the rear joysticks. Replace if damaged.	Refer to <i>To replace the rear joysticks on page 26.</i>
X		Check all rubber grommets into the chassis that they seal properly. Replace if damaged.	
X		Clean the ultrasound sensors carefully, 450X/450XH/550/550H	Refer to <i>To replace the ultrasonic sensors 450X/450XH/550/550H on page 30.</i>
X		Check the ventilation filter and clean carefully with a soft brush.	Refer to <i>To clean and replace the ventilation filter on page 24.</i>
X		Check the tightening torque of screws on the chassis.	Refer to <i>Screw fasteners on page 43.</i>
X		Check the blades and blade screws. Replace if damaged.	Refer to <i>Maintenance - Replace the blades.</i> in the Operator's manual.
X		Clean the headlights carefully, 430X/430XH/450X/450XH	
X		Clean the charging station.	
X		Check and polish the charging strips on the product and the contact strips on the charging station.	Polish contact surfaces on both the product and the charging station with a fine grade emery cloth.
X		Check the cable to the products charging plates. Replace if damaged.	
X		Make a complete <i>Auto test</i> in Autocheck.	Refer to <i>Auto test on page 16.</i>
X		Check that docking and charging work correctly.	Refer to <i>Symptoms during docking on page 55</i> and <i>Symptoms during charging on page 56.</i>
X		Do a <i>Battery test</i> in Autocheck and check the battery condition.	Refer to <i>Auto test on page 16.</i>
X		Charge the battery.	Always charge the battery fully before winter storage. If this is not done, the battery may be rendered useless due to voltage levels dropping too low.
X		Read the service bulletins for potential recommended updates.	Updated service bulletins can be found in Autocheck.
	X	Replace the ventilation filter.	Refer to <i>To clean and replace the ventilation filter on page 24.</i>
	X	Replace the rubber bellows on the front joysticks.	Refer to <i>To replace the front joysticks on page 25.</i>
	X	Inspect and grease the front wheel bearing. Replace if damaged.	Refer to <i>To replace the front wheel and to add grease to the front wheel bearing on page 35.</i>

Every year	Every 3rd year	Action	Explanation
	X	Open the chassis and replace the chassis sealing strips.	Refer to <i>To replace the sealing strips on page 40.</i>

7.2 Screw fasteners

All screws are made from stainless material or rustproofed with zinc plating. Article numbers are found in the spare parts list (IPL).

The tightening torque must be attained, otherwise there is not a satisfactory seal against moisture etc.

Fastener	Hardware	Tool	Tightening torque (Nm)
Upper to lower chassis	Screw, 5 x 16 mm	Torx 20	1.6
Top cover to body (430X/430XH/450X/450XH/520/550/550H)	Screw gray, 4 x 14 mm	Torx 20	1.3
Front bumper to body (430XH/450XH/550H)	Screw, 5 x 16 mm	Torx 20	1.8
Rear bumper to body	Screw, 5 x 16 mm	Torx 20	1.3
Rear bumper to body, 2 outer screws (430XH/450XH/550H)	Screw, 5 x 16 mm	Torx 20	1.8
Wheel brush holders (430XH/450XH/550H)	Screw gray, 4 x 14 mm	Torx 20	1.3
Center console to upper chassis, from inside	Screw gray, 4 x 14 mm	Torx 20	1.2
Center console to upper chassis, from outside (430XH/450XH/550H)	Screw gray, 4 x 14 mm	Torx 20	1.3
Holder charging strips	Screw gray, 4 x 14 mm	Torx 20	1.3
Buzzer	Screw gray, 4 x 14 mm	Torx 20	0.6
Joystick front to the upper chassis	Screw, 5 x 16 mm	Torx 20	3
Joystick rear to the upper chassis	Screw, 5 x 16 mm	Torx 20	1.2
Stud joystick	Nut, M6	13 socket wrench	2.5
Joystick bracket	Screw gray, 4 x 14 mm	Torx 20	1.4
Housing and support for START/STOP button (420/430X/440/430XH/450X/450XH)	Screw gray, 4 x 14 mm	Torx 20	1.2
Holders STOP button (520/550/500H)	Screw gray, 4 x 14 mm	Torx 20	1.2
Circuit board holder	Screw gray, 4 x 14 mm	Torx 20	0.8*/1.3**
Communication circuit board	Screw gray, 4 x 14 mm	Torx 20	1.0
Battery holder	Screw, 5 x 16 mm	Torx 20	1.5
Service plug	Screw, 5 x 16 mm	Torx 20	1.0
Wheel motor to lower chassis	Screw, 5 x 16 mm	Torx 20	1.6
Front wheel	Screw gray, 4 x 14 mm	Torx 20	1.2
Rear wheel	Nut, M16	24 socket wrench	18
Rear wheel (520/550/500H)	Screw gray, 4 x 14 mm	Torx 20	1.2
Blade disc	Screw, M4 x 8 mm	Cross screwdriver	1.8
Blade disc bearing	Screw, M6 x 8 mm	Allen key 4	5.5
Blades	Screw, M4 x 10 mm	Flat/cross screwdriver	1.8