

For Husqvarna Parts Call 606-678-9623 or 606-561-4983



<b>SERVICE</b> 		<b>5</b> <b>B0300001</b>
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Replaces B0200006

English 1 (5)

**SB, Auto Mower, Solar Mower, Most important changes introduced on the Auto and Solar Mower from 1998 to 2003, 2003-01**



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English 2 (5)

Most important changes introduced on the Auto and Solar Mower from 1998 to 2003				
Year	Hardware excl Control box	Charging station Solar generator	Control box	Software features
1999	<ol style="list-style-type: none"> <li>1. Fixed skid plate replaced by spinning skid plate.</li> <li>2. Keypad LED numbering 1-4 replaced by numbering 1-6.</li> <li>3. Keypad with improved protection against humidity.</li> <li>4. New version of wheel motor with built-in EMC protection.</li> <li>5. External SM battery charging plug removed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reinforcements introduced on rear side of charging station.</li> <li>2. Wire connections moved from circuit board to separate terminal on the base plate. Also changed from screw type to cage clamp type.</li> <li>3. Charging station circuit board replaced due to point 2.</li> <li>4. Transformer with melting fuse replaced by transformer with automatic fuse.</li> </ol>	<ol style="list-style-type: none"> <li>1. Improved reliability regarding blade motor control.</li> </ol>	<ol style="list-style-type: none"> <li>1. [33,34] Command Charge full/Mow until empty.</li> <li>2. Operating counters “Number of dockings” now working properly and “Actual cutting time” is no longer a copy of “operating time”. These counters are visible from the Service Program 2000 only.</li> </ol>



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English 3 (5)

<b>Most important changes introduced on the Auto and Solar Mower from 1998 to 2003</b>				
<b>Year</b>	<b>Hardware excl Control box</b>	<b>Charging station Solar generator</b>	<b>Control box</b>	<b>Software features</b>
2000	<ol style="list-style-type: none"> <li>1. 4 mm replaced by 5 mm front wheel axle.</li> <li>2. Starlock washers introduced for more reliable mounting of front wheels.</li> <li>3. 1 mm replaced by 1,5 mm aluminium tube frame.</li> <li>4. Tilt/lift sensor introduced (lift on US model only).</li> <li>5. Rectifier board now mounted on inner box wall for improved cooling.</li> <li>6. Red replaced by white keypad digits.</li> <li>7. Reinforced AM battery packaging.</li> <li>8. Rubber sealed skid plate bearings replaced by metal sealed on SM and US AM for reduced friction and better mowing performance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Charging station and solar generator circuit boards better protected against humidity.</li> <li>2. New version of charging station circuit board ready for synchronizing.</li> <li>3. Eight pole terminal with terminal 7 and 8 ready for synchronizing wires.</li> <li>4. Mesh included to reduce lawn wear in front of the charging station.</li> </ol>	<ol style="list-style-type: none"> <li>1. Component modifications to eliminate fault “bouncing away from CS while attempting to dock”.</li> <li>2. Larger (24 kB) microprocessor and from now reprogrammable.</li> </ol>	<ol style="list-style-type: none"> <li>1. Heat problem (mower has problems finding the CS on large areas and under hot conditions) solved.</li> <li>2. [53,54] Double timer settings.</li> <li>3. [8] Multimower mode allows the running of two AMs on one charging station.</li> <li>4. [44] Running without loop system (from software release 3.9).</li> <li>5. [65-67] Charging station exit angles programmable.</li> <li>6. [70,99] Test mode for fault tracing via keypad.</li> <li>7. [71,72] Battery tester / Battery reconditioning.</li> </ol>



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English 4 (5)

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<b>Year</b>	<b>Hardware excl Control box</b>	<b>Charging station Solar generator</b>	<b>Control box</b>	<b>Software features</b>
2001	<ol style="list-style-type: none"> <li>1. Double replaced by single disc blade design for less vibrations.</li> <li>2. New more durable blade material.</li> <li>3. Blades now screw mounted.</li> <li>4. Round replaced by square socket connector types on battery, rectifier and solar panel connections for improved reliability.</li> <li>5. Keypad with improved protection against humidity.</li> <li>6. Rubber sealed skid plate bearings replaced by metal sealed also on European AM for reduced friction and improved cutting result.</li> <li>7. Rivets now in stainless steel.</li> <li>8. Blade motor axle protection introduced to prevent objects from winding around the motor axle.</li> </ol>	<ol style="list-style-type: none"> <li>1. Easier charging station installation due to fixed tunnels for loop cables.</li> <li>2. New type of contact plates lock the mower better in the charging station.</li> <li>3. New charging station and solar generator circuit boards with improved protection against humidity.</li> <li>4. SM generator circuit board modified to deliver a higher charging current.</li> <li>5. Sub C batteries replace AA batteries in SM generator. Points 4 and 5 together means a more reliable loop signal during poor light conditions.</li> <li>6. Rubber caps on charging station collision towers included to prevent the mower from getting stuck on the towers.</li> </ol>	<ol style="list-style-type: none"> <li>1. Round replaced by square socket connector types on battery, rectifier and solar panel connections for improved reliability.</li> <li>2. 32 kB micro-processor with larger memory capacity for a more sophisticated control program.</li> <li>3. General reliability improved.</li> <li>4. Improved protection against humidity.</li> </ol>	<ol style="list-style-type: none"> <li>1. Improved Test mode (reading of voltage and temperature as well as blade speed now possible). # need not be kept pressed, except on blade motor test.</li> <li>2. [45] Stored fault messages readable via keypad.</li> <li>3. Blade motor control modified. Mower now slows down more and even stops in order to maintain a useful blade speed. Less bent down grass is the result.</li> <li>4. [31,33] SM commands for improved demo control.</li> <li>5. [73] Feature "charge only" added.</li> <li>6. [35,36] Resets the timer settings and turning angles from the charging station.</li> </ol>



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English 5 (5)

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<b>Year</b>	<b>Hardware excl Control box</b>	<b>Charging station Solar generator</b>	<b>Control box</b>	<b>Software features</b>
2002	<ol style="list-style-type: none"> <li>1. Modified blade disc for improved axle protection between blade disc and blade motor.</li> <li>2. Keypad holder more rigid.</li> <li>3. Wheel motor axle protection introduced to prevent objects from winding around the motor axle.</li> <li>4. Tilt sensor replaced. Weight increased to eliminate nuisance activations.</li> <li>5. Front axle modified for a more rigid mounting of front axle to the aluminium tube.</li> </ol>	<ol style="list-style-type: none"> <li>1. Cutouts at front edge of charging station to give more room for the front wheels.</li> <li>2. New charging station circuit board for more reliable synchronizing of installations with very long loop wires (&gt; approximately 400 m).</li> <li>3. Two included ground protection plates to reduce risk of poor mower alignment in the charging station, replaces mesh.</li> <li>4. CS top cover slightly redesigned to allow more space for the mower and the charging plates modified for a higher contact pressure.</li> </ol>	<ol style="list-style-type: none"> <li>1. Wheel motor fuse rating increased from 2,5 to 7 A to reduce number of blown fuses.</li> </ol>	<ol style="list-style-type: none"> <li>1. [63] The mower slows down even to complete standstill when performing heavy cutting work. With this command, this feature may now be deactivated, such that the mower will drive slowly but not stop completely.</li> <li>2. [64] Reversing distance from charging station programmable (from software release 5.3).</li> </ol>
2003		<ol style="list-style-type: none"> <li>1. New transformer. This transformer gives a slightly higher charging current.</li> </ol>		<ol style="list-style-type: none"> <li>1. The mower remains in the charging station with a power failure for 4 seconds instead of the previous 1.5 seconds.</li> <li>2. The mower is more tolerant towards external loop interferences.</li> <li>3. Command 33 gives a slight increase in the running time.</li> </ol>