





<b>SERVICE</b> 		<b>5</b> <b>B0200023</b>
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## **SB, Auto Mower, Solar Mower, Service Plan, 2002-02**

The Service Plan is a business concept as well as a simple service check list document that lists relevant inspections, actions and recommended upgrades for each model and year. It may be used when performing a general low-season check-up on a well-performing mower or when working on a faulty product.

The Service plan serves both as a reminder what to check for the dealer as well as being a service report for the consumer. The dealer should check the boxes corresponding to performed items.

It is strongly recommended that the mower is subject to a thorough service on a yearly basis. The Service Plan will help improving general product service as well as help the dealer to build a business around the service concept.

This document may also be printed directly from the service program Rmtest\_lite and if a mower is connected it's serial number, operating and charging times and date will be automatically added. The dealer may also add his own company or name.



# Auto Mower 1998

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |   |  |                          |
|----|--------------------------|---|--|--------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>1)</sup>   |  |                          |
| 2  | <input type="checkbox"/> | Cleaning under body, inside rear wheels, around front wheel axles and on aluminium box            |  |                          |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection/replacement of blades   | 535 0488-01              |
| 4  | <input type="checkbox"/> | Inspection regarding carbonizing or burn marks on the front mounted contact screws <sup>2)</sup>  |  |                          |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of front wheel mounting <sup>3)</sup>                          |                          |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>  | Basic function of collision sensors <sup>4)</sup>                        |                          |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>  | Alignment of body and aluminium frame <sup>5)</sup>                      |                          |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of rubber body mounting elements regarding breakage           | 535 0577-01, 535 0578-01 |
| 9  | <input type="checkbox"/> | Inspection of front wheel-to-body distance when the wheels stick out under the body <sup>6)</sup> |  |                          |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup> |                          |
| 11 | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of the ON/STOP switch rubber boot regarding splitting         | 535 1017-01              |

## Additional inspections and actions

- |    |                          |                          |   |             |
|----|--------------------------|--------------------------|---|-------------|
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of battery and rectifier cable connectors <sup>8)</sup>  |             |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>   |             |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Condition of the eight front wheel bearings   | 738 2294-55 |
| 15 | <input type="checkbox"/> |                          | Removal of trapped grass around wheel motor axles   |             |
| 16 | <input type="checkbox"/> |                          | Inspection that the cable lugs are properly fixed to the front mounted contact screws                             |             |
| 17 | <input type="checkbox"/> | <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>10)</sup>  |             |
| 18 | <input type="checkbox"/> |                          | Service Program Autotest Completed without fault messages   |             |
| 19 | <input type="checkbox"/> | <input type="checkbox"/> | If control box 2000 or newer fitted: Software updated to most current version. Ver. is : AME _____ <sup>22)</sup> |             |
| 20 | <input type="checkbox"/> | <input type="checkbox"/> | On-site inspection of charging and docking procedure <sup>29)</sup>   |             |

## Recommended upgrades

- |    |                          |  |                 |
|----|--------------------------|--|-----------------|
| 21 | <input type="checkbox"/> | Single blade disc and spinning skid plate kit <sup>11)</sup> | 535 1027-01     |
| 22 | <input type="checkbox"/> | Rubber damper under rear cover <sup>12)</sup>                | 535 0856-01     |
| 23 | <input type="checkbox"/> | Ground protection plates <sup>13)</sup>                      | 2 x 535 1030-01 |
| 24 | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup>                   | 2 x 535 1028-01 |



# Solar Mower 1998

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |   |  |                                       |
|----|--------------------------|---|--|---------------------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>18)</sup>  |  |                                       |
| 2  | <input type="checkbox"/> | Cleaning of solar panels, inside rear wheels, around front wheel axles and on aluminium box |  |                                       |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection/replacement of blades   | 535 0488-01                           |
| 4  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of front wheel mounting <sup>3)</sup>                          |                                       |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>  | Basic function of collision sensors <sup>4)</sup>                        |                                       |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>  | Alignment of body and aluminium frame <sup>5)</sup>                      |                                       |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of rubber body mounting elements regarding breakage           | 535 0577-01, 535 0577-02, 535 0511-01 |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup> |                                       |
| 9  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of the ON/STOP switch rubber boot regarding splitting         | 535 1017-01                           |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>  | Replacement of Solar Generator battery <sup>30)</sup>                    | 535 0585-01                           |

## Additional inspections and actions

- |    |                          |                          |   |             |
|----|--------------------------|--------------------------|---|-------------|
| 11 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of battery and solar panel cable connectors <sup>28)</sup>   |             |
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>   |             |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | Condition of the eight front wheel bearings   | 738 2294-55 |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Removal of trapped grass around wheel motor axles   |             |
| 15 | <input type="checkbox"/> | <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>15)</sup>  |             |
| 16 | <input type="checkbox"/> | <input type="checkbox"/> | Service Program Autotest Completed without fault messages   |             |
| 17 | <input type="checkbox"/> | <input type="checkbox"/> | If control box 2000 or newer fitted: Software updated to most current version. Ver. is : SME _____ <sup>22)</sup> |             |

## Recommended upgrades

- |    |                          |                          |  |                 |
|----|--------------------------|--------------------------|--|-----------------|
| 18 | <input type="checkbox"/> | <input type="checkbox"/> | Single blade disc and spinning skid plate kit <sup>11)</sup> | 535 1027-01     |
| 19 | <input type="checkbox"/> | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup>                   | 2 x 535 1028-01 |



# Auto Mower 1999

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

1	<input type="checkbox"/>	Cleaning of blade disc and skid plate <sup>17)</sup>		
2	<input type="checkbox"/>	Cleaning under body, inside rear wheels, around front wheel axles and on aluminium box		
3	<input type="checkbox"/>	<input type="checkbox"/>	Inspection/replacement of blades	535 0488-01
4	<input type="checkbox"/>	Inspection regarding carbonizing or burn marks on the front mounted contact screws <sup>2)</sup>		
5	<input type="checkbox"/>	<input type="checkbox"/>	Condition of front wheel mounting <sup>3)</sup>	
6	<input type="checkbox"/>	<input type="checkbox"/>	Basic function of collision sensors <sup>4)</sup>	
7	<input type="checkbox"/>	<input type="checkbox"/>	Alignment of body and aluminium frame <sup>5)</sup>	
8	<input type="checkbox"/>	<input type="checkbox"/>	Inspection of rubber body mounting elements regarding breakage	535 0577-01, 535 0578-01
9	<input type="checkbox"/>	Inspection of front wheel-to-body distance when the wheels stick out under the body <sup>6)</sup>		
10	<input type="checkbox"/>	<input type="checkbox"/>	Condition of aluminium tube mounting to plastic front beam <sup>7)</sup>	
11	<input type="checkbox"/>	<input type="checkbox"/>	Inspection of the ON/STOP switch rubber boot regarding splitting	535 1017-01

## Additional inspections and actions

12	<input type="checkbox"/>	<input type="checkbox"/>	Inspection of battery and rectifier cable connectors <sup>8)</sup>	
13	<input type="checkbox"/>	<input type="checkbox"/>	Inspection of collision sensors <sup>9)</sup>	
14	<input type="checkbox"/>	<input type="checkbox"/>	Condition of the eight front wheel bearings	738 2294-55
15	<input type="checkbox"/>		Removal of trapped grass around wheel motor axles	
16	<input type="checkbox"/>		Inspection that the cable lugs are properly fixed to the front mounted contact screws	
17	<input type="checkbox"/>	<input type="checkbox"/>	Battery test. Capacity is : _____ mAh <sup>10)</sup>	
18	<input type="checkbox"/>		Service Program Autotest Completed without fault messages	
19	<input type="checkbox"/>	<input type="checkbox"/>	If control box 2000 or newer fitted: Software updated to most current version. Ver. is : AME _____ <sup>22)</sup>	
20	<input type="checkbox"/>	<input type="checkbox"/>	On-site inspection of charging and docking procedure <sup>29)</sup>	

## Recommended upgrades

21	<input type="checkbox"/>	Single blade disc kit <sup>16)</sup>	535 0986-02
22	<input type="checkbox"/>	Rubber damper under rear cover <sup>12)</sup>	535 0856-01
23	<input type="checkbox"/>	Ground protection plates <sup>13)</sup>	2 x 535 1030-01
24	<input type="checkbox"/>	Wheel motor axle protection <sup>14)</sup>	2 x 535 1028-01
25	<input type="checkbox"/>	Metal sealed skid plate bearings <sup>32)</sup>	2 x 535 0757-02

# Solar Mower 1999

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |   |  |                                       |
|----|--------------------------|---|--|---------------------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>19)</sup>  |  |                                       |
| 2  | <input type="checkbox"/> | Cleaning of solar panels, inside rear wheels, around front wheel axles and on aluminium box |  |                                       |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection/replacement of blades   | 535 0488-01                           |
| 4  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of front wheel mounting <sup>3)</sup>                          |                                       |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>  | Basic function of collision sensors <sup>4)</sup>                        |                                       |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>  | Alignment of body and aluminium frame <sup>5)</sup>                      |                                       |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of rubber body mounting elements regarding breakage           | 535 0577-01, 535 0577-02, 535 0511-01 |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup> |                                       |
| 9  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of the ON/STOP switch rubber boot regarding splitting         | 535 1017-01                           |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>  | Replacement of Solar Generator battery <sup>30)</sup>                    | 535 0585-01                           |

## Additional inspections and actions

- |    |                          |                          |   |             |
|----|--------------------------|--------------------------|---|-------------|
| 11 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of battery and solar panel cable connectors <sup>28)</sup>   |             |
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>   |             |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | Condition of the eight front wheel bearings   | 738 2294-55 |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Removal of trapped grass around wheel motor axles   |             |
| 15 | <input type="checkbox"/> | <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>15)</sup>  |             |
| 16 | <input type="checkbox"/> | <input type="checkbox"/> | Service Program Autotest Completed without fault messages   |             |
| 17 | <input type="checkbox"/> | <input type="checkbox"/> | If control box 2000 or newer fitted: Software updated to most current version. Ver. is : SME _____ <sup>22)</sup> |             |

## Recommended upgrades

- |    |                          |                          |  |                 |
|----|--------------------------|--------------------------|--|-----------------|
| 18 | <input type="checkbox"/> | <input type="checkbox"/> | Single blade disc kit <sup>16)</sup>       | 535 0986-02     |
| 19 | <input type="checkbox"/> | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup> | 2 x 535 1028-01 |



# Auto Mower 2000

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |  |   |                          |
|----|--------------------------|--|---|--------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>24)</sup>   |   |                          |
| 2  | <input type="checkbox"/> | Cleaning under body, inside rear wheels, around front wheel axles and on aluminium box           |   |                          |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection/replacement of blades  | 535 0488-01              |
| 4  | <input type="checkbox"/> | Inspection regarding carbonizing or burn marks on the front mounted contact screws <sup>2)</sup> |   |                          |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>   | Basic function of collision sensors <sup>4)</sup>                               |                          |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of battery and rectifier cable connectors <sup>8)</sup>              |                          |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of tilt sensor function <sup>20)</sup>                               |                          |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>   | Alignment of body and aluminium frame <sup>5)</sup>                             |                          |
| 9  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of rubber body mounting elements regarding breakage                  | 535 0577-01, 535 0578-01 |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>   | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup>        |                          |
| 11 | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of the ON/STOP switch rubber boot regarding splitting                | 535 1017-01              |
| 12 | <input type="checkbox"/> | <input type="checkbox"/>   | Software updated to most current version. Version is : AM2 _____ <sup>22)</sup> |                          |
| 13 | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of rear wheels regarding abnormal softness                           |                          |

## Additional inspections and actions

- |    |                          |                          |   |             |
|----|--------------------------|--------------------------|---|-------------|
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>   |             |
| 15 | <input type="checkbox"/> | <input type="checkbox"/> | Condition of the eight front wheel bearings   | 738 2295-55 |
| 16 | <input type="checkbox"/> |                          | Removal of trapped grass around wheel motor axles                                     |             |
| 17 | <input type="checkbox"/> |                          | Inspection that the cable lugs are properly fixed to the front mounted contact screws |             |
| 18 | <input type="checkbox"/> | <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>21)</sup>                                  |             |
| 19 | <input type="checkbox"/> |                          | Service Program Autotest Completed without fault messages                             |             |
| 20 | <input type="checkbox"/> | <input type="checkbox"/> | On-site inspection of charging and docking procedure <sup>29)</sup>                   |             |

## Recommended upgrades

- |    |                          |  |                 |
|----|--------------------------|--|-----------------|
| 21 | <input type="checkbox"/> | Single blade disc kit <sup>16)</sup>       | 535 0986-02     |
| 22 | <input type="checkbox"/> | Ground protection plates <sup>13)</sup>    | 2 x 535 1030-01 |
| 23 | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup> | 2 x 535 1028-01 |



# Solar Mower 2000

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |   |   |                                       |
|----|--------------------------|---|---|---------------------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>31)</sup>  |   |                                       |
| 2  | <input type="checkbox"/> | Cleaning of solar panels, inside rear wheels, around front wheel axles and on aluminium box |   |                                       |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection/replacement of blades  | 535 0488-01                           |
| 4  | <input type="checkbox"/> | <input type="checkbox"/>  | Basic function of collision sensors <sup>4)</sup>                               |                                       |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of battery and solar panel cable connectors <sup>28)</sup>           |                                       |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>  | Alignment of body and aluminium frame <sup>5)</sup>                             |                                       |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of rubber body mounting elements regarding breakage                  | 535 0577-01, 535 0577-02, 535 0511-01 |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup>        |                                       |
| 9  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of the ON/STOP switch rubber boot regarding splitting                | 535 1017-01                           |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>  | Software updated to most current version. Version is : SM2 _____ <sup>22)</sup> |                                       |
| 11 | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of rear wheels regarding abnormal softness                           |                                       |
| 12 | <input type="checkbox"/> | <input type="checkbox"/>  | Replacement of Solar Generator battery <sup>30)</sup>                           | 535 0585-01                           |

## Additional inspections and actions

- |    |                          |                          |   |             |
|----|--------------------------|--------------------------|---|-------------|
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>             |             |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Condition of the eight front wheel bearings               | 738 2295-55 |
| 15 | <input type="checkbox"/> |                          | Removal of trapped grass around wheel motor axles         |             |
| 16 | <input type="checkbox"/> | <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>15)</sup>      |             |
| 17 | <input type="checkbox"/> |                          | Service Program Autotest Completed without fault messages |             |

## Recommended upgrades

- |    |                          |  |                 |
|----|--------------------------|--|-----------------|
| 18 | <input type="checkbox"/> | Single blade disc kit <sup>16)</sup>       | 535 0986-02     |
| 19 | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup> | 2 x 535 1028-01 |



# Auto Mower 2001

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |  |   |                          |
|----|--------------------------|--|---|--------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>23)</sup>   |   |                          |
| 2  | <input type="checkbox"/> | Cleaning under body, inside rear wheels, around front wheel axles and on aluminium box           |   |                          |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection/replacement of blades  | 535 0987-01              |
| 4  | <input type="checkbox"/> | Inspection regarding carbonizing or burn marks on the front mounted contact screws <sup>2)</sup> |   |                          |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>   | Basic function of collision sensors <sup>4)</sup>                               |                          |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of tilt sensor function <sup>20)</sup>                               |                          |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>   | Alignment of body and aluminium frame <sup>5)</sup>                             |                          |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of rubber body mounting elements regarding breakage                  | 535 0577-01, 535 0578-01 |
| 9  | <input type="checkbox"/> | <input type="checkbox"/>   | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup>        |                          |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>   | Inspection of the ON/STOP switch rubber boot regarding splitting                | 535 1017-01              |
| 11 | <input type="checkbox"/> | <input type="checkbox"/>   | Software updated to most current version. Version is : AM3 _____ <sup>22)</sup> |                          |
| 12 | <input type="checkbox"/> | <input type="checkbox"/>   | Condition of skid plate mounting <sup>33)</sup>                                 |                          |

## Additional inspections and actions

- |    |                          |   |   |             |
|----|--------------------------|---|---|-------------|
| 13 | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of collision sensors <sup>9)</sup>                       |             |
| 14 | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of the eight front wheel bearings                         | 738 2295-55 |
| 15 | <input type="checkbox"/> | Removal of trapped grass around wheel motor axles                                     |   |             |
| 16 | <input type="checkbox"/> | Inspection that the cable lugs are properly fixed to the front mounted contact screws |   |             |
| 17 | <input type="checkbox"/> | <input type="checkbox"/>  | Battery test. Capacity is : _____ mAh <sup>25)</sup>                |             |
| 18 | <input type="checkbox"/> | Service Program Autotest Completed without fault messages                             |   |             |
| 19 | <input type="checkbox"/> | <input type="checkbox"/>  | On-site inspection of charging and docking procedure <sup>29)</sup> |             |

## Recommended upgrades

- |    |                          |  |                 |
|----|--------------------------|--|-----------------|
| 20 | <input type="checkbox"/> | Ground protection plates <sup>13)</sup>    | 2 x 535 1030-01 |
| 21 | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup> | 2 x 535 1028-01 |



# Solar Mower 2001

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |    |                          |   |   |                                       |
|----|--------------------------|---|---|---------------------------------------|
| 1  | <input type="checkbox"/> | Cleaning of blade disc and skid plate <sup>23)</sup>  |   |                                       |
| 2  | <input type="checkbox"/> | Cleaning of solar panels, inside rear wheels, around front wheel axles and on aluminium box |   |                                       |
| 3  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection/replacement of blades  | 535 0987-01                           |
| 4  | <input type="checkbox"/> | <input type="checkbox"/>  | Basic function of collision sensors <sup>4)</sup>                               |                                       |
| 5  | <input type="checkbox"/> | <input type="checkbox"/>  | Alignment of body and aluminium frame <sup>5)</sup>                             |                                       |
| 6  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of rubber body mounting elements regarding breakage                  | 535 0577-01, 535 0577-02, 535 0511-01 |
| 7  | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of aluminium tube mounting to plastic front beam <sup>7)</sup>        |                                       |
| 8  | <input type="checkbox"/> | <input type="checkbox"/>  | Inspection of the ON/STOP switch rubber boot regarding splitting                | 535 1017-01                           |
| 9  | <input type="checkbox"/> | <input type="checkbox"/>  | Software updated to most current version. Version is : SM3 _____ <sup>22)</sup> |                                       |
| 10 | <input type="checkbox"/> | <input type="checkbox"/>  | Replacement of Solar Generator battery <sup>30)</sup>                           | 535 0585-01                           |
| 11 | <input type="checkbox"/> | <input type="checkbox"/>  | Condition of skid plate mounting <sup>33)</sup>                                 |                                       |

## Additional inspections and actions

- |    |                          |                          |   |             |
|----|--------------------------|--------------------------|---|-------------|
| 12 | <input type="checkbox"/> | <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>             |             |
| 13 | <input type="checkbox"/> | <input type="checkbox"/> | Condition of the eight front wheel bearings               | 738 2295-55 |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Removal of trapped grass around wheel motor axles         |             |
| 15 | <input type="checkbox"/> | <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>25)</sup>      |             |
| 16 | <input type="checkbox"/> | <input type="checkbox"/> | Service Program Autotest Completed without fault messages |             |

## Recommended upgrades

- |    |                          |                          |  |                 |
|----|--------------------------|--------------------------|--|-----------------|
| 17 | <input type="checkbox"/> | <input type="checkbox"/> | Single blade disc kit <sup>16)</sup>       | 535 0986-02     |
| 18 | <input type="checkbox"/> | <input type="checkbox"/> | Wheel motor axle protection <sup>14)</sup> | 2 x 535 1028-01 |



# Auto Mower 2002

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |   |   |  |                          |
|---|---|--|--------------------------|
| 1 | <input type="checkbox"/>                          | Cleaning of blade disc and skid plate <sup>23)</sup>   |                          |
| 2 | <input type="checkbox"/>                          | Cleaning under body, inside rear wheels, around front wheel axles and on aluminium box           |                          |
| 3 | <input type="checkbox"/> <input type="checkbox"/> | Inspection/replacement of blades   | 535 0987-01              |
| 4 | <input type="checkbox"/>                          | Inspection regarding carbonizing or burn marks on the front mounted contact screws <sup>2)</sup> |                          |
| 5 | <input type="checkbox"/> <input type="checkbox"/> | Basic function of collision sensors <sup>4)</sup>  |                          |
| 6 | <input type="checkbox"/> <input type="checkbox"/> | Alignment of body and aluminium frame <sup>5)</sup>  |                          |
| 7 | <input type="checkbox"/> <input type="checkbox"/> | Inspection of rubber body mounting elements regarding breakage                                   | 535 0577-01, 535 0578-01 |
| 8 | <input type="checkbox"/> <input type="checkbox"/> | Inspection of the ON/STOP switch rubber boot regarding splitting                                 | 535 1017-01              |
| 9 | <input type="checkbox"/> <input type="checkbox"/> | Software updated to most current version. Version is : AM3 _____ <sup>22)</sup>                  |                          |

## Additional inspections and actions

- |    |   |   |             |
|----|---|---|-------------|
| 10 | <input type="checkbox"/> <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>   |             |
| 11 | <input type="checkbox"/> <input type="checkbox"/> | Condition of the eight front wheel bearings   | 738 2295-55 |
| 12 | <input type="checkbox"/>                          | Removal of trapped grass around wheel motor axles                                     |             |
| 13 | <input type="checkbox"/>                          | Inspection that the cable lugs are properly fixed to the front mounted contact screws |             |
| 14 | <input type="checkbox"/> <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>25)</sup>                                  |             |
| 15 | <input type="checkbox"/>                          | Service Program Autotest Completed without fault messages                             |             |
| 16 | <input type="checkbox"/> <input type="checkbox"/> | On-site inspection of charging and docking procedure <sup>29)</sup>                   |             |

# Solar Mower 2002

# Service Plan

Inspected/repaired  
Parts replaced

Part number

## Basic inspections and actions

- |   |   |   |                                       |
|---|---|---|---------------------------------------|
| 1 | <input type="checkbox"/>                          | Cleaning of blade disc and skid plate <sup>23)</sup>  |                                       |
| 2 | <input type="checkbox"/>                          | Cleaning of solar panels, inside rear wheels, around front wheel axles and on aluminium box |                                       |
| 3 | <input type="checkbox"/> <input type="checkbox"/> | Inspection/replacement of blades  | 535 0987-01                           |
| 4 | <input type="checkbox"/> <input type="checkbox"/> | Basic function of collision sensors <sup>4)</sup>   |                                       |
| 5 | <input type="checkbox"/> <input type="checkbox"/> | Alignment of body and aluminium frame <sup>5)</sup>   |                                       |
| 6 | <input type="checkbox"/> <input type="checkbox"/> | Inspection of rubber body mounting elements regarding breakage                              | 535 0577-01, 535 0577-02, 535 0511-01 |
| 7 | <input type="checkbox"/> <input type="checkbox"/> | Inspection of the ON/STOP switch rubber boot regarding splitting                            | 535 1017-01                           |
| 8 | <input type="checkbox"/> <input type="checkbox"/> | Software updated to most current version. Version is : SM3 _____ <sup>22)</sup>             |                                       |
| 9 | <input type="checkbox"/> <input type="checkbox"/> | Replacement of Solar Generator battery <sup>30)</sup>                                       | 535 0585-01                           |

## Additional inspections and actions

- |    |   |   |             |
|----|---|---|-------------|
| 10 | <input type="checkbox"/> <input type="checkbox"/> | Inspection of collision sensors <sup>9)</sup>             |             |
| 11 | <input type="checkbox"/> <input type="checkbox"/> | Condition of the eight front wheel bearings               | 738 2295-55 |
| 12 | <input type="checkbox"/>                          | Removal of trapped grass around wheel motor axles         |             |
| 13 | <input type="checkbox"/> <input type="checkbox"/> | Battery test. Capacity is : _____ mAh <sup>25)</sup>      |             |
| 14 | <input type="checkbox"/>                          | Service Program Autotest Completed without fault messages |             |

<i>Item</i>	<i>Description</i>	<i>Part. No.</i>	<i>Qty</i>	<i>Comment</i>
1	Remove blades and clean inside blade disc halves with steel wire an compressed air. Check balance of blade disc by forcing the mower to cut (command 32, make sure timer is not shutting it off) and listen for excess noise.			
2	Burn marks are a sign of poor contact. File contacts clean and solve root cause by increasing contact pressure by bending down charging station plates. Make sure mower is level with the station and does not lean left or right due to tracks in the ground. Charging station contact plates should be replaced if the show heavy weld marks. If contact problems, offer heavily subsidized ground protection plates 535 1030-01 (standard from 2002). See figures 2,10,14,15.	535 1030-01	2	
3	There were problems with front wheels falling off on models 1998-1999. Replace all four plastic caps by new type with starlock inserts. The new cap type needs to be combined with a washer to properly seal the two lower bearings. See figure 3.	535 0864-02 535 0603-01	4 2	Parts are subsidized to encourage upgrade
4	Check that both side collision sensor switches "click" and release freely. The bottom of the mower body must not touch the aluminium box. If it does, the tube has been bent and must be realigned, see point 5. See figure 4.			
5	If the mower has been exposed to rough handling, being sat on etc, the aluminium tube frame may have been damaged. The most common symptom is described under point 4. Check also that the front wheel top cap/mounting does not touch the body on <u>either side</u> . Check that the rear cover closes all the way down and the panel switch makes contact. If not the rear handle/tube has to be bent down slightly to allow the cover to close fully.			
6	If the wheel is scratching against the body, bend carefully back the wheel axle to raise the body from the wheels. See figure 5.			
7	If the riveted mounting has come loose, an upgrade to the more rigid model 2002 chassis is recommended. The upgrade kit contains new front wheel assemblies with 5 mm axle (introduced 2000), a more rigid front beam (2002) and a thicker-wall aluminium tube (2000) along with the necessary rivets etc. See figure 6.	535 1049-01	1	Parts are subsidized to encourage an upgrade
8	Inspect all 6+2 sockets in the X14 and X15 connectors. A repair is needed if any socket is split or the white connector housing has become black from carbonizing around the sockets. Use repair kit 535 0996-01 if X14 is damaged. Replace the rectifier cable 535 0680-01 if X15 is damaged. See figure 7.	535 0996-01 535 0680-01	1 1	Parts are subsidized to encourage a repair
9	This complements point 4. Remove the body and the side plates of the collision towers. Clean out the towers and check that pivoting arm is straight and the square nut fixed to screw. Warning! M3. Do not overtighten! See figure 4.			
10	This test requires a control box model 2000 or newer. If needed, move battery to a newer mower during the test. For best result, make two battery tests, command 72, and use the second test result value when determining good/bad. The capacity should be at least 3300 mAh. 3300-3600 mAh means that the battery is approaching end of life but may be ok for a few more weeks. If the battery is replaced only 535 0962-01 (m/2001) is available. This has another connector type and the adapter 535 1002-01 needs to be ordered separately.	535 0962-01 535 1002-01	1 1	
11	The upgrade brings several advantages. The spinning skid plate (standard from 1999) will not get blocked by trapped grass as easily. The single type blade disc (standard from 2001) will stay cleaner and therefore well balanced better than the double disc type. This increases the blade motor life. The single disc also facilitates the use of the new and considerably cheaper blade type 535 0987-01, which quickly helps paying off the upgrade cost. See figure 8.	535 1027-01	1	Parts are subsidized to encourage an upgrade
12	The rubber damper (standard from 2000) keeps the handle clean and the operator need not get the hand dirty when carrying the mower. See figure 9.	535 0856-01	1	

<b>Item</b>	<b>Description</b>	<b>Part. No.</b>	<b>Qty</b>	<b>Comment</b>
13	It is not uncommon that the rear wheel of the mower creates deep tracks or holes in the lawn just in front of the charging station, where it sits during charging or in timer stand-by mode. These holes can reduce the electric contact in the charging station and disturb the charging process. The ground protection plates (standard from 2002) reinforce the ground and effectively eliminates this risk. See figure 10.	535 1030-01	2	Parts are subsidized to encourage an upgrade
14	The wheel motor axle protection prevents grass from entering into the wheel motor bearings. It extends the life time of the motor. See figure 11.	535 1028-01	2	Parts are subsidized to encourage an upgrade
15	In sunny conditions this test may be carried out on a Solar Mower model 2001 or newer (command 72). If the panel current however drops during charging, the test is terminated. Alternatively the test may also be carried out on an Auto Mower model 2000 or newer. If needed, move the battery to a newer mower during the test. For best result, make two consecutive battery tests and use the second test result value when determining good/bad. The capacity should be at least 830 mAh. 830-900 mAh means the battery is approaching end of life but may be ok for a few more weeks. If the battery is replaced only 535 0961-01 (m/2001) is available. This has another connector type and the adapter 535 1002-01 needs to be ordered separately.	535 0961-01 535 1002-01	1 1	
16	The upgrade brings several advantages. The single type blade disc (standard from 2001) will stay cleaner and therefore well balanced better than the double disc type. This increases the blade motor life. The single disc also facilitates the use of the new and much cheaper blade type 535 0987-01, which quickly helps paying off the upgrade cost. See figure 8.	535 0986-02	1	Parts are subsidized to encourage an upgrade
17	Remove blades and clean inside blade disc halves with steel wire and compressed air. Check balance of blade disc by forcing the mower to cut (command 33) and listen for excess noise. Check that both blade disc and skid plate spin freely and independent of each other (i.e. the blade disc must spin freely even if the skid plate is blocked). Check condition of skid plate bearings. See also remark 32.			
18	Remove blades and clean inside blade disc halves with steel wire and compressed air. Check balance of blade disc while the mower is cutting and listen for excess noise.			
19	Remove blades and clean inside blade disc halves with steel wire and compressed air. Check balance of blade disc while the mower is cutting and listen for excess noise. Check that both blade disc and skid plate spin freely and independent of each other (i.e. the blade disc must spin freely even if the skid plate is blocked). Check condition of skid plate bearings. See also remark 32.			
20	Place the mower on a horizontal test surface. Lift the mower up at the front, with the rear wheels on the ground, until the tilt sensor clicks (or if test mode is used, it beeps). Then very slowly lower the mower until it rests on the front wheels again. The tilt sensor must release before the wheels touch the test surface, or it will cause nuisance trips (the mower stops and signals "trapped"). It is <u>nevertheless</u> recommended to mount an extra weight on the tilt sensor to improve the function on all mowers model 2000 and 2001. The part number indicated includes weights for five mowers. Note! The tilt sensor must not be disconnected as it is a safety device, preventing the blade to start if the ON/STOP switch is ON and the mower upside down just outside the boundary loop. The tilt sensor is connected to connector X4. See figures 12-13.	535 1047-02	1	Parts are subsidized to encourage an upgrade
21	For best result, make two battery tests, command 72, and use the second test value when determining good/bad. The capacity should be at least 3300 mAh. 3300-3600 mAh means the battery is approaching end of life but may be ok for a few more weeks. If the battery is replaced only 535 0962-01 (m/2001) is available. This has another connector type and the adapter 535 1002-01 needs to be ordered separately.	535 0962-01 535 1002-01	1 1	
22	The Service Program Rmtest_lite is required to reprogram the control box model 2000 or newer. Please follow instructions in the Service Program release 3.0 or newer when selecting the correct program for reprogramming.			

<b>Item</b>	<b>Description</b>	<b>Part. No.</b>	<b>Qty</b>	<b>Comment</b>
23	Check balance of blade disc by forcing the mower to cut (command 33 or test mode function 22) and listen for excess noise. Check that both blade disc and skid plate spin freely and independent of each other (i.e. the blade disc must spin freely even if the skid plate is blocked). Check condition of skid plate bearings.			
24	Remove blades and clean inside blade disc halves with steel wire and compressed air. Check balance of blade disc by forcing the mower to cut (command 33 or test mode function 22) and listen for excess noise. Check that both blade disc and skid plate spin freely and independent of each other (i.e. the blade disc must spin freely even if the skid plate is blocked). Check condition of skid plate bearings. See also remark 32.			
25	In sunny conditions this test may be carried out on a Solar Mower model 2001 or newer. If the panel current however drops during charging, the test is terminated. Alternatively the test may be carried out on an Auto Mower model 2000 or newer. If needed, move the battery to a newer mower during the test. For best result, make two battery tests and use the second test value when determining good/bad. The capacity should be at least 830 mAh. 830-900 mAh means the battery is approaching end of life but may be ok for a few more weeks.			
26	For best result, make two battery tests, command 72, and use the second test value when determining good/bad. The capacity should be at least 3300 mAh. 3300-3600 mAh means the battery is approaching end of life but may be ok for a few more weeks.			
27	Burn marks are a sign of poor contact. File contacts clean and solve root cause by increasing contact pressure by bending down charging station plates. Make sure mower is level with the station and does not lean left or right due to tracks in the ground. Charging station contact plates should be replaced if the show heavy weld marks. If contact problems, offer subsidized ground protection plates 535 1030-01 (standard from 2002). See figures 2,10,15.			
28	Inspect all 6+2 sockets in the X14, X15 and X16 connectors. A repair is needed if any socket is split or the white connector housing has become black from carbonizing around the sockets. Use repair kit 535 0996-01 if X14 is damaged, and 535 0999-01 if X15 or X16 is damaged. See figure 7.	535 0996-01 535 0999-01	1 2	Parts are subsidized to encourage a repair
29	This check is mainly relevant if the customer has charge related problems, such as long charging times (2h) or very short charging times (< 15 minutes). These symptoms could be signs of poor contact in the charging station and would normally be indicated by burn marks on the charging screws. Check the docking procedure by command 31. Make sure the mower sits flat in the station and does not lean left or right, up or down due to holes or tracks in the ground or poor station alignment. The ground protection plates (standard from 2002) are recommended. To minimize charging time (mainly important on large areas) the length of the transformer cable should be minimized and definitely not extended beyond the supplied 20 m.			
30	The normal lifetime of this battery is 1-2 seasons. Symptoms of a worn out battery is "no loop signal" in early mornings. Make sure the generator is placed such that it's solar panel really is free to absorb the daylight. Avoid locations close to walls, under bushes etc. See figure 16.	535 0585-01	1	
31	Remove blades and clean inside blade disc halves with steel wire and compressed air. Check balance of blade disc by by test mode (function 22) and listen for excess noise. Check that both blade disc and skid plate spin freely and independent of each other (i.e. the blade disc must spin freely even if the skid plate is blocked). Check condition of skid plate bearings.			
32	Metal sealed bearings type ZZ replaced the rubber sealed RS type on SM 2000 and on AM 2001. This reduces skid plate friction and improves cutting result and general performance on large areas. Upgrade to ZZ if RS bearings are damaged, or recommend upgrade if the mower runs on large areas (>1000 m <sup>2</sup> ). See figure 8.	535 0757-02	2	
33	Some skid plate bearing cups had poor quality on model 2001. The result is that the skid plate can move up and down, sometimes to the extent that it even touches the blade disc. If the movement is large, replace the 2001 cup with the improved 2002 execution. See figure 17.	535 1038-01	1	Parts are subsidized to encourage an upgrade