

SB, Fitting instructions for carbon fibre body for Solar Mower m/95, 1998-06

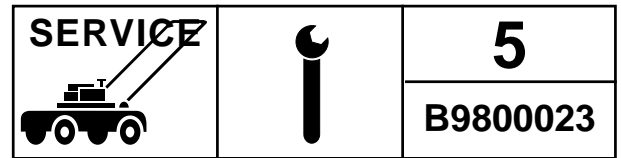
Tools, parts

- Allen key 2.5 mm
- Hex spanner 7 mm
- Hex spanner 10 mm
- Hex spanner 30 mm
- Crosshead screwdriver
- Cutting pliers
- (Stripping pliers)
- Polygrip or similar pliers
- Adapter kit 535 05 07-01
- Complete carbon fibre body 535 05 04-01

Working instructions



See figure 1.

1. Remove the old panel
 - a) Undo the two screws at the rear of the front half panel (2.5 mm Allen key)
 - b) Undo the screw at the front of the front half panel underneath the plastic cover (crosshead screwdriver)
2. Remove the cover from the white trunking and connector piece and cut the cable to the control box as close to the connector piece as possible.
3. Cut the panel switch cables as close to the spade connectors as possible.
4. Replace the arm on the microswitch tower
 - a) Remove the right (viewed with mower upside-down) rear wheel (30 mm hex spanner) to gain access to the locking screws on the right microswitch tower.
 - b) Remove the side cover from the microswitch tower (crosshead screwdriver)
 - c) Unscrew the retaining bolt that runs through the spring (10 mm hex spanner)
 - d) Replace the arms (new ref. no. 535 05 87-01)
 - e) Refit the side cover and rear wheel.
5. Fit the rear body mounting 535 07 15-01 using Allen screw 535 04 95-01 (2.5 mm) and locking nut 732 25 12-01 (7 mm Allen key). NOTE! The threaded holes for the body must sit behind the Allen screw. In effect, the body mounting should face backwards.



6. Fit the front body mounting.
 - a) Fit the lower vibration damper 535 05 77-01 with washer 734 11 37-41 and secure it using locking nut 732 25 12-01 (7 mm hex spanner).
 - b) Screw the pin 535 05 90-02 into the fitted vibration damper.
 - c) Screw the upper vibration damper 535 05 77-02 onto the pin.
 - d) Screw the distance element 535 05 11-01 onto the upper vibration damper.
7. Fit two new lengths of trunking 535 03 13-01 for the cable connections. Secure them with tape 535 04 85-01. Place them at the rear of the front panel's surface, starting at a point 75 mm to the side of the centre line (see figure 1). The left trunking (viewed with mower upside-down) is used for joining the cables from the solar panels, and the right trunking is used for the panel switch cable.
8. Adapt the cables from the new body. The existing connectors and grommets on the body are not used. Strip bare the last 8 mm of the cut wires. Measurements are approximate.
 - a) Cut the panel switch cable so that the outer sheath is 120 mm long, one lead is 135 mm long and the other lead is 150 mm long. To check that the new length of cable will reach the control box cable we recommend you release the cable tie that holds the latter to the tube.
 - b) Cut the cable from the front solar panel so that the outer sheath is 120 mm long, the black lead is 135 mm long and the red lead is 150 mm long.
 - c) Cut the cable from the rear solar panel so that the lengths of the leads match the leads from the front solar panel and control box. See figure 2.
9. Join the three panel leads inside the left trunking, and the panel switch leads inside the right trunking. Use sleeve connector 535 03 86-01. Make sure the stripped ends of the wires are pushed all the way inside the connectors and crimp the connector with pliers.
10. Fit the body on the mower chassis using two bolts 535 04 95-02 and washers 734 11 37-41 at the rear (2.5 mm Allen key), and one bolt 535 06 86-01, one washer 535 06 85-01 (2.5 mm Allen key), and one cover 535 04 95-02 at the front.
11. Secure the wiring between the trunking and control box in a suitable manner using cable ties. Fit the covers on the trunking.
12. Bend up the handle at the rear so that the top of the tube is about 230 mm above ground level. Be very careful not to break the tube. A useful tip is to grip the tube using a length of wood so that it can be bent some distance behind the point where it is bolted to the box.
13. Check that the extended wind guard is able to lock the panel down and, when retracted, that it is clear of the handle when the panel is lifted up. If necessary it may be shortened a little.
14. Fit the new warning signal decal on the underside of the panel.



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Figure 1

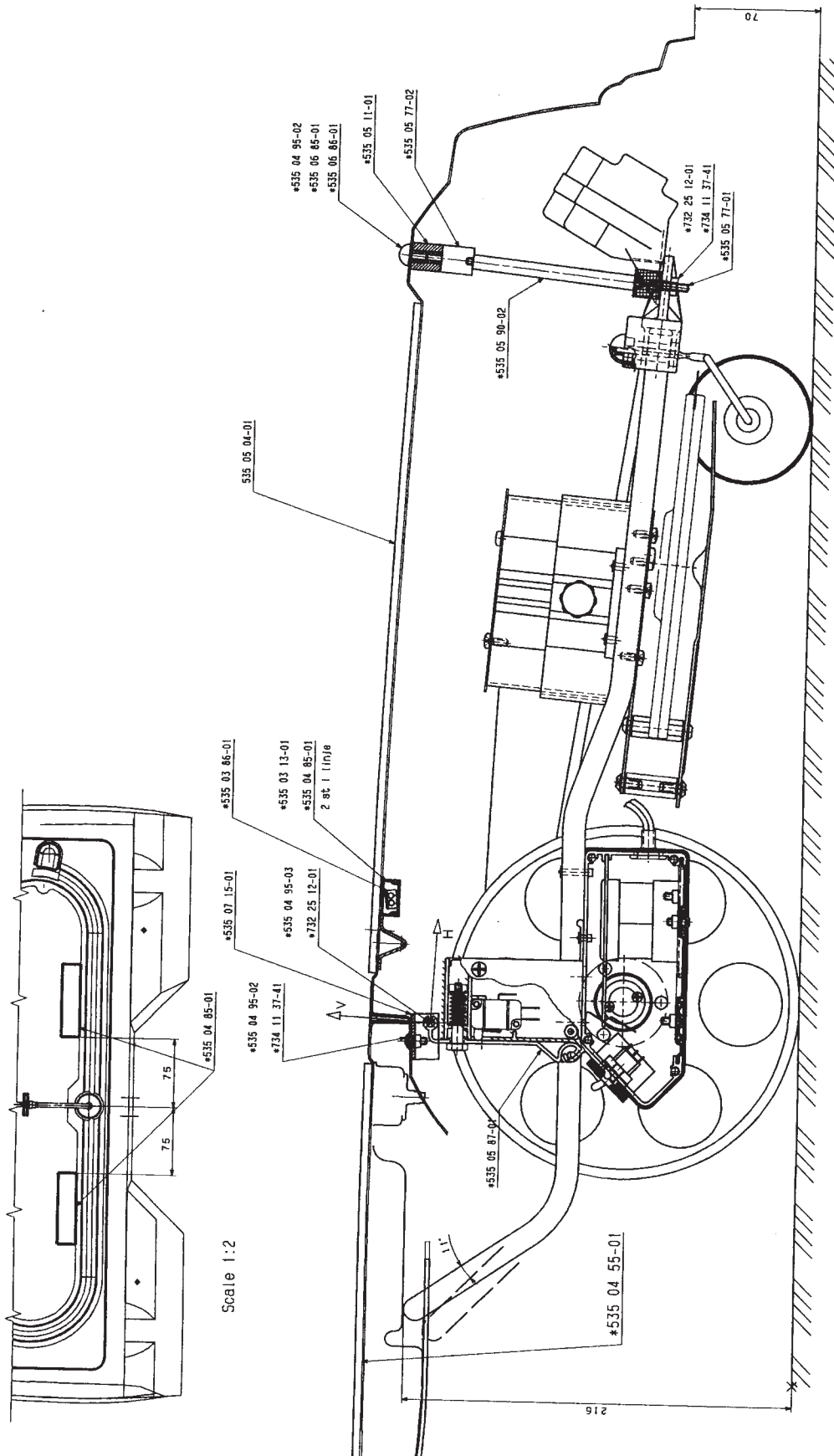


Figure 2

Key to diagram

1. Front solar panel
2. Rear solar panel
3. Panel switch
4. Trunking
5. Sensor cable
6. Mower motor cable
7. Control box, viewed from below

