

MODIFICATION INSTRUCTION

Number: 432-2138

Year: 1999

Month: MARCH

Market: US, CA

Shift-lock solenoid

Customer care modification campaign 10473

Cars in stock should be rectified before delivery.

Owners of cars already delivered must be informed of the fault by a personal communication requesting them to contact their nearest Saab garage as soon as possible for the necessary repairs.

Cars affected

Saab 9-5 M99- with automatic transmission and VIN in the interval X3000001-X3023950

Background

On certain cars it can be difficult to move the selector lever from the P-position. This is due to a fault in the microswitch that is fitted on the Shift-lock solenoid. To be able to select another position than P disconnect Shift-lock manually by pressing down the key in the hole next to the selector lever, while at the same time shifting the selector lever to the N-position.

Parts required

51 62 060 Shift-lock solenoid

Diagnostic procedure

Before any repairs are done, box A4 of the modification identity plate should be checked. If the box is not filled in, continue as follows:

1 Remove the rim with a small screwdriver.

2 Remove the box or the ashtray with holder using a screwdriver.

3 Remove the 2 screws securing selector lever cover.

4 Unplug the connector to the central locking switch.

5 Lift the selector lever cover and unplug the connector to the switch for the seat heater and cigarette lighter.

6 Remove the rear part of the centre console by lifting it straight up and unplugging the connector.

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7 Select P and remove the key.

8 Turn and lift the theft security antenna unit (Bayonet fitting) from the ignition switch and unplug the connector.
Put in the key and select N.

9 Remove the switches for the electric window lifts and unplug the connectors.

10 Remove the 6 screws securing the upper part of the centre console .

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Lift the upper part of the centre console and remove the handbrake gaiter.

IMPORTANT

A clip must be removed.

Remove the upper part.

11 Fold away the front mats and remove the 2 front screws.

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12 Remove the 2 rear screws.

13 Lift and remove the centre console.

14 Remove the circlip and the anti-rattle clip.

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15 Drive out the pin while removing the end of the cable from the ball.

16 Remove the screws securing the selector lever housing.

17 Unplug the selector lever housing's connector.

18 Lift up the selector lever housing, undo the cable ties securing the wiring harness to the ignition switch and airbag. Unplug the electrical connection to the ignition switch.

19 Remove the clamp located beside the locking catches.

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20 Carefully press together the catches securing the cable ferrule and remove the cable from the bracket.

21 Lift out the selector lever housing.

IMPORTANT

When working on a dismantled selector lever housing, the outer casing should be protected with foam rubber or the like.

22 Snip the cable ties.

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23 Detach the electromagnet pin from the connectors: pin 5 and 6 in the 6-pin and pin 2 in the 2-pin connector. Use tool 85 80 151.

NOTE

Note the position of the 3 pins in the connector.

24 Drill out the rivets that secure the upper and lower part of the selector lever housing with a 3 mm drill.

25 Separate the upper and lower part of the selector lever housing somewhat in the front edge and remove the screws by the electromagnet.

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26 Remove the lever from the top of the electromagnet and remove the electromagnet.

27 Fit the new electromagnet to the lever.

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28 Fit the 2 electromagnet screws.

29 Fit the two parts of the selector lever housing together.

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30 Connect the electromagnet leads.

31 Secure the cables with a cable tie.

32 Fit the selector lever housing in place.

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33 Connect the cable to the selector lever housing and fit the clamp.

34 Fit the electrical connection to the ignition switch.

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35 Refit the 2 cable ties for the wiring harness.

36 Tap in the pin at the same time as the ball enters the end of the cable.

37 Fit the circlip and the anti-rattle clip.

38 Connect the air duct and tighten the selector lever housing.

39 Lift the centre console in place.

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NOTE

Check that no switches or cables are jammed.

40 Attach the centre console in the front and back edge, using 4 screws. Start with the front left, which is a guide.

41 Fold back the mats.

42 Lift back the upper part of the centre console, clip on the handbrake gaiter and secure the clip, while carefully guiding the cables in place.

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Be careful with the cables to the theft security.

43 Attach the 6 screws that secure the upper part of the centre console.

44 Fit the switch for the electric windows.

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45 Plug in the connector in the rear part of the centre console and fit the rear part.

46 Plug in the central locking system connector.

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- 47 Plug in the connector to the switch for the seat heater and cigarette lighter.
- 48 Fit the selector lever cover, 2 clips in the rear edge and 2 screws in the front edge.
- 49 Fit the box or the ashtray with holder.
- 50 Fit the rim around the selector lever housing.
- 51 Select P and remove the key.
- 52 Plug in the connector to the theft security antenna unit and fit it (bayonet fitting).
- 53 Adjust the position of the cable.

Marking the modification identity plate

On completion of the repair, box A4 of the modification identity plate should be marked. Mark it with a "7" if the repair was carried out by the importer (main distributor) or with an "8" if done by a dealer.

Warranty/Time information

See separate information.