

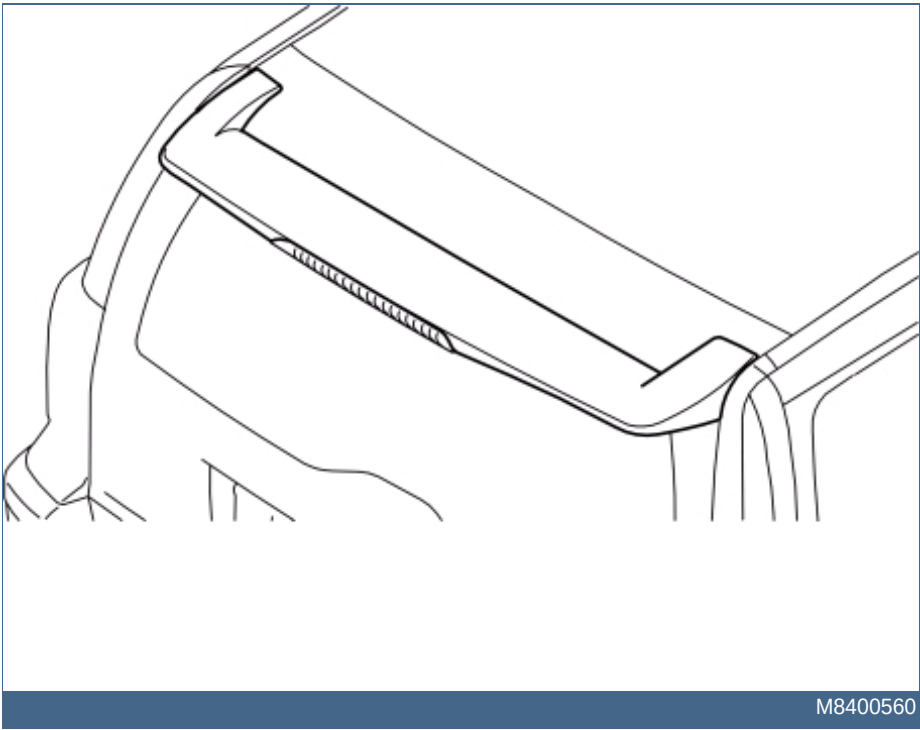


V70 / V70 XC / XC70

Section	Group	Weight(Kg/Pounds)	Year	Month
8	89		2002	06

V70 (00-) 2000, V70 (00-) 2001, V70 (00-) 2002, V70 (00-) 2003, V70 (00-) 2004, V70 (00-08) 2000, V70 (00-08) 2001, V70 (00-08) 2002, V70 (00-08) 2003, V70 (00-08) 2004, V70 XC (01-) / XC70 (-07) 2001, V70 XC (01-) / XC70 (-07) 2002, V70 XC (01-) / XC70 (-07) 2003, V70 XC (01-) / XC70 (-07) 2004, V70 XC (01-) / XC70 2002, V70 XC (01-) / XC70 2003, V70 XC (01-) / XC70 2004

Replaces
issue:
2001 09



Installation instructions, accessories - Roof spoiler with brake lamp

Volvo Car Corporation Göteborg, Sweden



Required tools



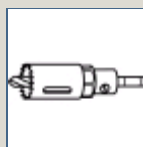
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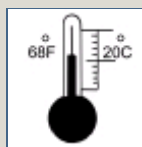
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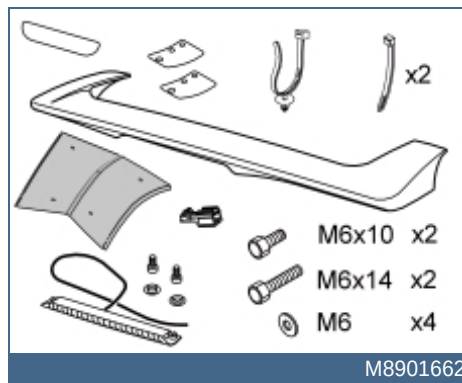
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Any comments on this publication? Please contact your nearest dealer. Thank you!

Publication no: MA 9499948, Issue: 2002-06

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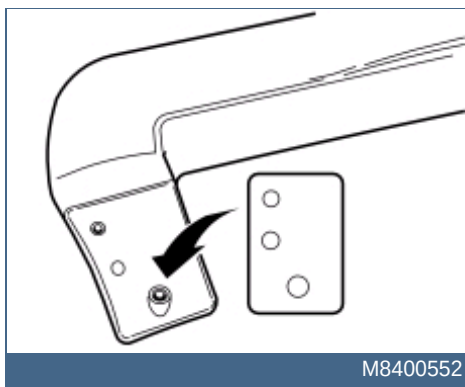
INTRODUCTION

Roof spoiler with brake lamp

- **NOTE! Read through the entire text before carrying out any work.**
- The front page gives the date of this edition and the edition it replaces
- The second page shows the tools needed for the installation and the contents of the installation kit
- The illustrations display the procedure in order of operation. The order of operation is repeated in the text section
- Cut out the text page in order to follow the illustrations and text at the same time.



1



Applies to unpainted roof spoilers

- Clean the mating surfaces for the spoiler against the tailgate. Use a mixture of 30% windscreen washer fluid and 70% water. Wipe dry
- Position the tape on the mating surfaces. Press the tape into place. Leave the thick outer protective film in place.

Note!

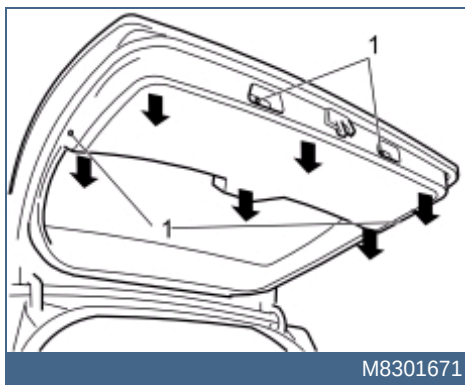
The tape must cure for 24 hours at a minimum of 20° C (68° F) before painting.

2

Applies to unpainted roof spoilers

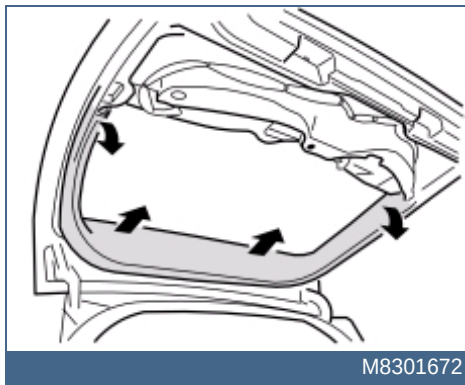
- Spray paint according to the Service Manual "Touch up spraying", section 8 (80). The underneath of the spoiler must not be sprayed
- Mask the underneath of the spoiler. Use the groove as a guide
- Carefully grind the dividing edge.

3



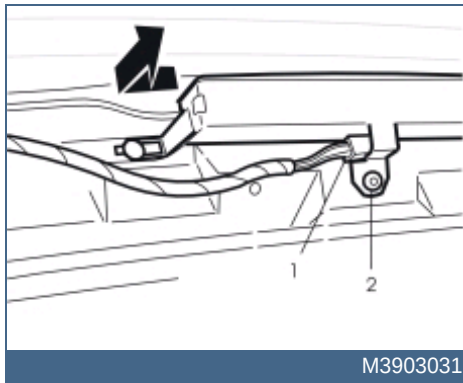
- Open the tailgate
- Remove the four screws (1) from the lower section of the panel on the tailgate
- Grasp the edges of the panel. Carefully pull off the panel. The panel is secured by eight clips.

4



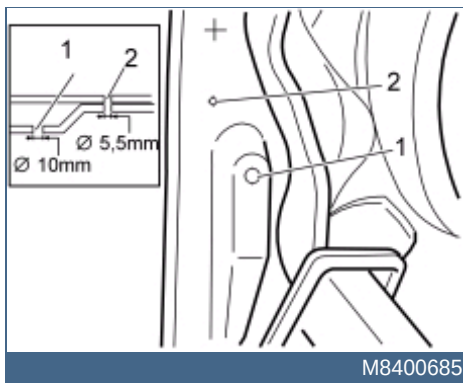
- Pull down the sides of the panel around the tailgate window to release it from the two clips
- Grasp the upper section of the panel. Carefully pull the upper section of the panel to release the clips
- Place the panel to one side.

5



- Remove the connector (1) from the brake lamp
- Press the centre of the clip (2) until a click is heard
- Remove the clip
- Slide the brake lamp to the left to release it from the guide holes.

6



Pre-drilling

- Open the tailgate
- Punch and drill the hole (1) according to the markings. Use a **3 mm (1/8")** diameter drill bit at right angles to the surface.

Note!

Only drill through the first plastic layer as illustrated. Use a drill stop. Repeat the operation on the other side of the tailgate.

- Punch and drill the hole (2) on the left-hand side according to the markings. Use a **3 mm (1/8")** diameter drill bit at right angles to the surface. Drill through both the plastic layers as illustrated. The hole is for cable lead-in.

Hole enlarging

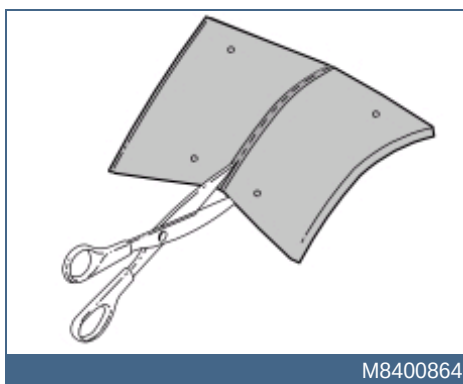
- Drill out the hole (1) using a **10 mm diameter (25/64")** drill bit on the left and right-hand sides.

Note!

Only drill through the first plastic layer as illustrated. Drill at right angles to the surface. Use a drill stop.

- Drill out the hole (2) on the left hand side. Use a **5.5 mm (7/32")** diameter bit. Drill at right angles to the surface. Drill through both plastic layers.

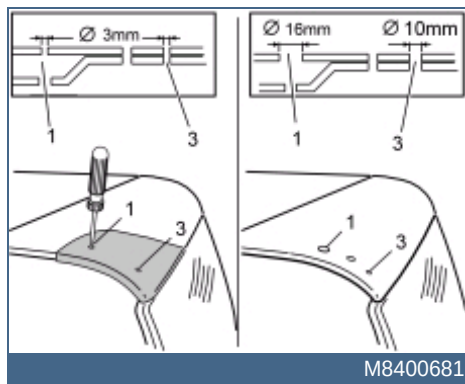
7



- Cut out the left and right drill templates from the kit using scissors as illustrated.



8



Pre-drilling

- Position the left template on the upper left corner of the tailgate. See the illustration
- Mark both holes through the template and inside the tailgate using an awl
- Drill the markings at right angles to the surface. Use a **3 mm (1/8")** diameter drill bit.

Note!

Only drill through the first plastic layer at the hole (1). Use a drill stop. Drill through both layers at the hole (3).

- Repeat the operation on the other side of the tailgate.

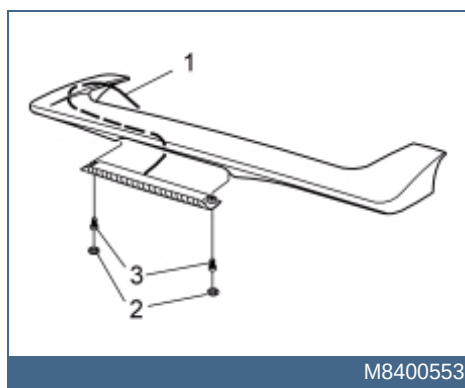
Hole enlarging

- Drill the hole (1) at right angles to the surface. Use a **16 mm (5/8")** diameter hole saw. Only drill through the first plastic layer. Use a drill stop
- Drill the hole (3). Use a **10 mm (25/64")** diameter hole saw at right angles to the surface. Drill through both plastic layers
- Repeat the operation on the other side of the tailgate.

9

- Check that the roof spoiler aligns in the drilled holes. Ensure that the screws (from the kit) align with the nuts for the roof spoiler
- Adjust the holes, if necessary, using a round file.

10



- Route the cable (1) through the spoiler. Thread a piece of steel wire or a thin plastic rod into the hole for the cable lead-in starting at the brake lamp. Tape the terminal pins and cable to the steel wire. Pull out through the hole.

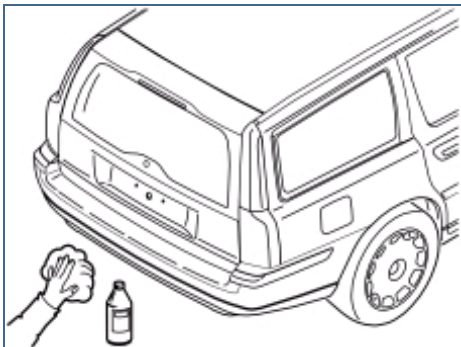
Note!

Do not damage the pins.

- Remove the covers (2)
- Install the brake lamp. Use the two screws (3). Tighten to a maximum of **2.5 Nm (2 lbf.ft.)**. A greater torque may damage the threaded joint
- Reinstall the covers.



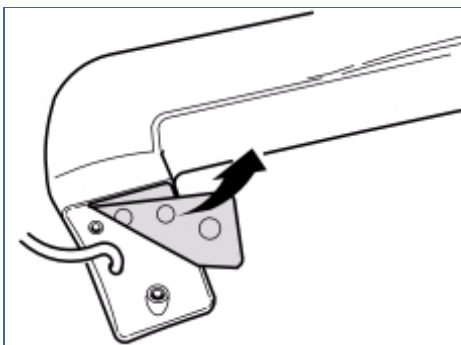
11



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- Clean the surfaces where the roof spoiler is to be installed. Use a mixture of 30% windscreen washer fluid and 70% water
- Wipe dry.

12A



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Note!

To ensure the best results, it is recommended that two people press the roof spoiler onto the tailgate.

Illustration A

- Remove the protective film from the tape.

Illustration B

- Insert and pull the brake lamp cable through the hole in the tailgate
- Press the spoiler into place on the tailgate.

12B

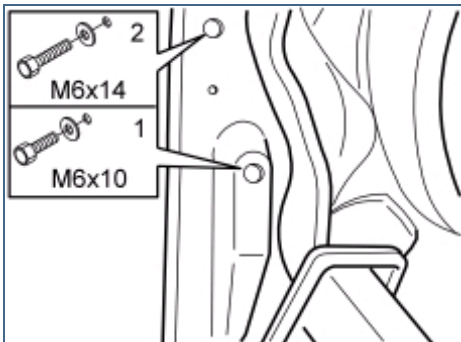


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Illustration C

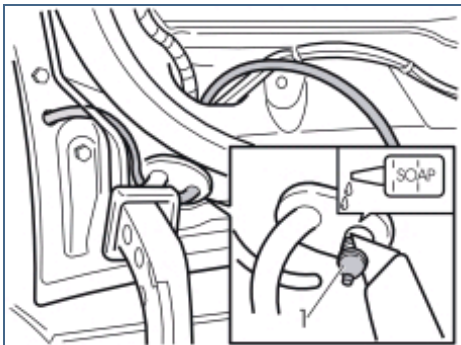
- Install the four screws (from the kit). Tighten the spoiler. Use an M6x10 screw in hole (1). Use an M6x14 screw in hole (2)
- Tighten the screws. Tighten to a maximum of **4 Nm (2.9 lbf.ft)**. A greater torque may damage the threaded joint.

12C



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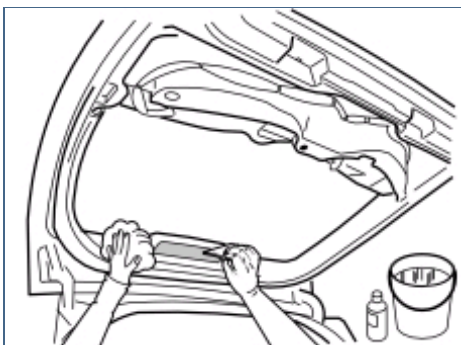
13



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- Cut the rubber nipple (1) off the rubber grommet for the brake lamp. Do not damage the existing cables
- Thread the brake cable from the roof spoiler between the hinges and tailgate behind the existing cable. Thread the brake cable through the hole in the rubber grommet and out of the hole in the corner of the tailgate
- Use soap to facilitate the lead-in.

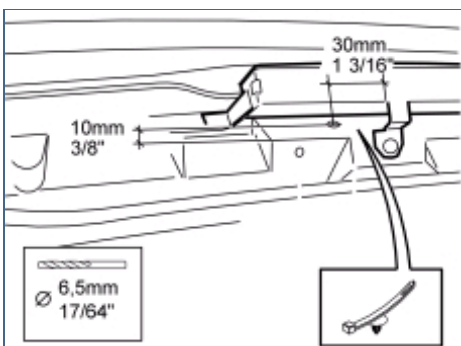
14



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- Clean the rear windscreen by the brake lamp socket
- Wet the window. Soak the tape which will cover the socket. Use a mixture of 30% windscreen washer fluid and 70% water
- Apply the tape over the socket. Press out the water and air bubbles. Use a plastic card or similar
- Reinstall the brake lamp.

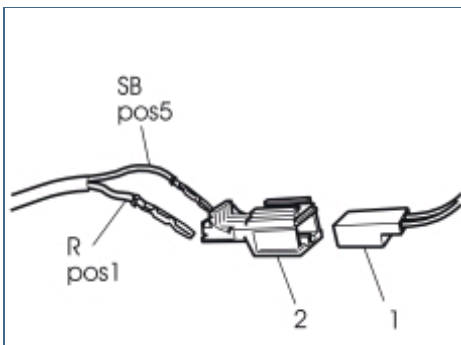
15



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- Drill holes in the tailgate for the attachment of the connector
- Drill out the holes. Use a **6.5 mm (17/64")** diameter drill bit
- Press in the tie strap with the clip.

16

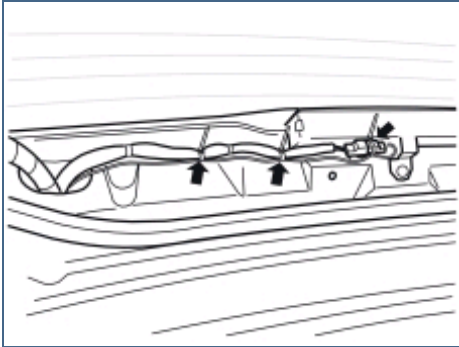


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- Take the connector (2) from the kit. Open the catch
- Connect the cable harness for the spoiler to the connector. Connect the red (R) cable to position 1. Connect the black (SB) cable to position 5
- Press the catch together
- Connect the existing brake lamp cable (1) to the new connector as illustrated.



17



M3903034

- Secure the connectors using the tie strap
- Clamp the cables to each other. Use two tie straps from the kit.

18

- Check the function of the brake lamp
- Reinstall the panels on the tailgate
- Post-tighten the screws for the spoiler to the correct torque. See point 12.