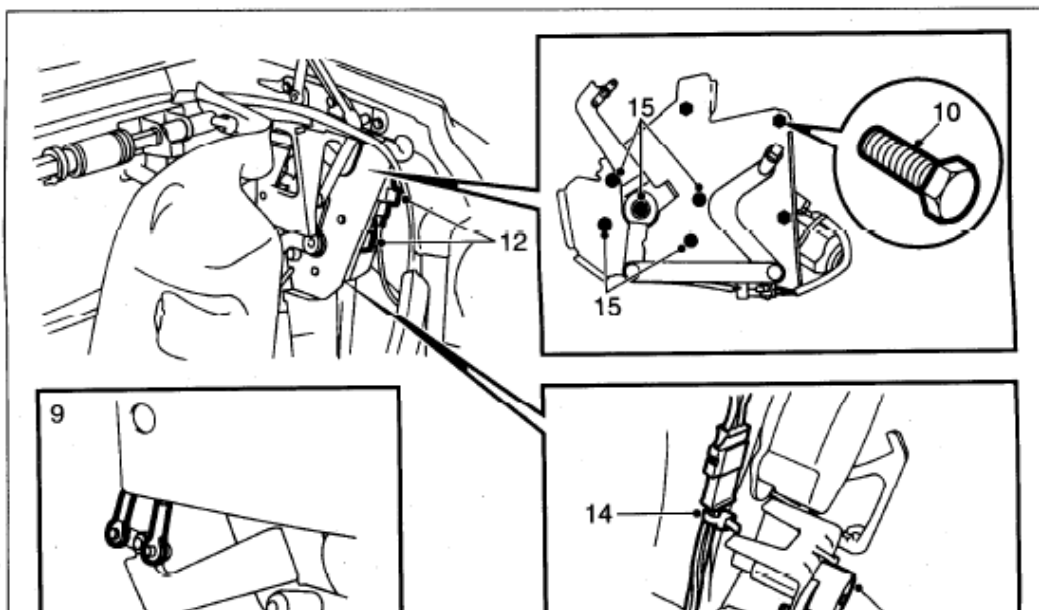


## Tonneau cover motor

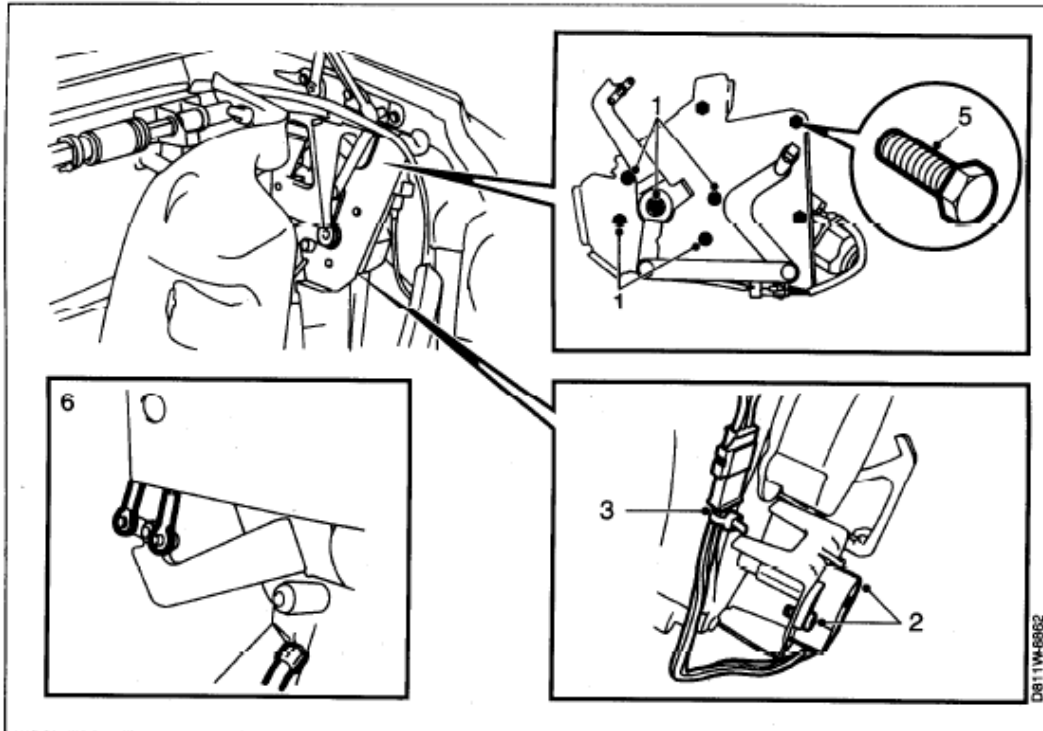
### To remove

- 1 The tonneau cover should be lowered when carrying out this work.
- 2 Tip the rear-seat backrest forward and pull up the emergency hood-raising handle.
- 3 Fold the boot carpet towards the front of the car.
- 4 Remove the scuff plate.
- 5 Detach the boot lid seal on the right-hand side and bend it aside.
- 6 Loosen the boot trim on the right-hand side and bend it outwards.
- 7 Remove the right-hand light cluster.
- 8 Remove the universal joint's two retaining screws.



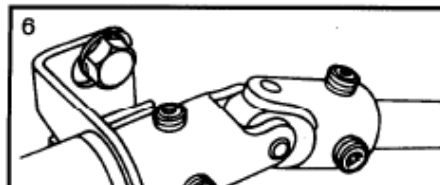


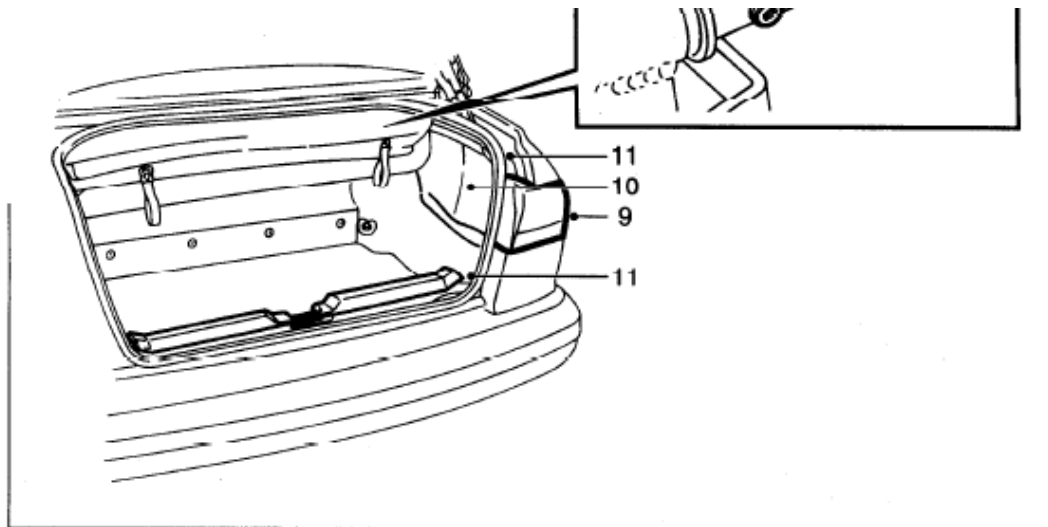
- 9 Detach the tonneau cover latch operating cables from the bracket and operating arm.
- 10 Remove the bracket's three retaining bolts.
- 11 Remove the emergency hood-raising cable from the bracket.
- 12 Unplug the wiring connectors.
- 13 Lift out the bracket with motor.
- 14 Snip the cable ties and remove the potentiometer.
- 15 Remove the motor's four retaining bolts and the bolt in the motor shaft.



### To fit

- 1 Bolt the motor to the bracket.
- 2 Bolt the potentiometer in place.
- 3 Plug in the wiring connectors and fit a new cable tie.
- 4 Fit the emergency hood-raising cable to the bracket and operating arm.
- 5 Press the shaft into the universal joint and tighten the bracket retaining bolts.
- 6 Fit the tonneau cover latch cables to the bracket and operating arm. Apply Loctite or the equivalent to the universal joint locking screws and tighten them.





- 7 Press the emergency hood-raising handle back into place
- 8 Raise the rear-seat backrest to its normal position.
- 9 Refit the right hand light cluster.
- 10 Refit the boot trim.
- 11 Refit the boot lid seal and scuff plate.
- 12 Press the boot trim back into place.
- 13 Check the operation of the tonneau cover motor by lowering (opening) and raising (closing) the hood twice.
- 14 Connect an ISAT Scan Tool, clear any diagnostic trouble codes and then program the control module. See "Programming control modules" in the Fault Diagnosis section.

- 20. Raise the soft top cover until special tool 82 93 177 can be located as illustrated.
- 21. Make sure the soft top cover latch striker goes freely into the latch without touching the tool. Listen for a "clicking" sound when the microswitch is activated. If the latch striker touches the tool, the latch must be adjusted towards the front of the car.
- 22. Adjustment:

Remove the relevant side trim. See "8. Convertible, Adjustment and replacement, Rear side trim"

Loosen the two nuts securing the latch and adjust the latch forwards. Tighten the nuts.

Return to step 21 and check the adjustment.

When being closed, the soft top cover can "knock" against the latch. In this is the case, adjust the latch slightly so that the seals buffer the soft top cover.

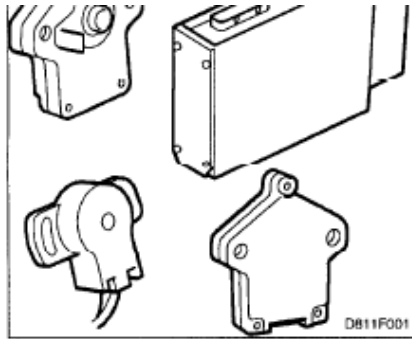
Refit the rear side trim. See "8. Convertible, Adjustment and replacement, Rear side trim"

- 23. Connect the diagnostic tool, clear any diagnostic trouble codes and then program the control module. See "8. Convertible, Fault diagnosis, general, Programming the control module"

### General information on programming control modules

The control module must be programmed after performing the following work on the system.





- Changing a potentiometer
- Changing a control module
- Removing/fitting a complete soft top

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**IMPORTANT**

Mechanical adjustment must be carried out before commencing electrical adjustment with the diagnostic tool.  
See 

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It can sometimes be necessary to reprogram the control module when certain other components have been removed. This is noted after each component replacement in the section "Adjustment/replacement".

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**IMPORTANT**

This description applies to control modules 45 58 144, 46 10 812 and 46 95 961. If the car is fitted with control module 43 07 450, it must be rectified according to the description in SI 812-1566.

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