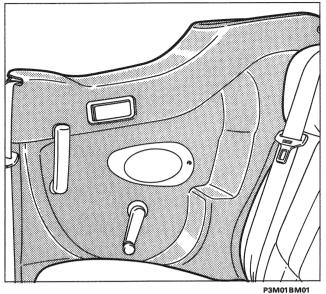
# **PUNTO eMANUAL**

Bodywork

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Removing/refitting rear inner wing lining	1 🕽	
Removing/refitting complete hood	6 🕽	
Removing outer fabric	11 🎝	
Refitting outer fabric	15 🔷	
Removing/refitting insulating panel	19 🕽	
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Removing/refitting electro-hydraulic pump & features	26 🗘	
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Removing/refitting safety cable	32 🕽	
Removing/refitting attachment handle	34 🕽	$\circ$
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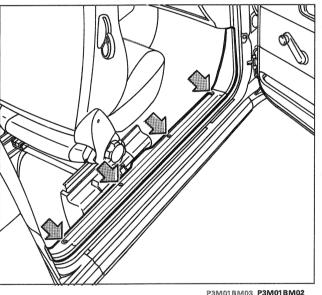


#### REMOVING-REFITTING REAR WING IN-NER LINING

#### **Preliminary operations**

Before removing the lining the following operations must be carried out:

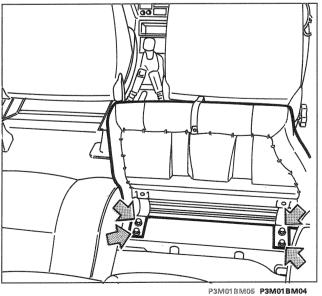
- move the front seat forwards until it is in the end of travel position;
- insert the retaining clip on the front seat belt pre-tensioner.





### Removing underdoor lining

Undo the bolts shown in the diagram, then remove the underdoor lining.



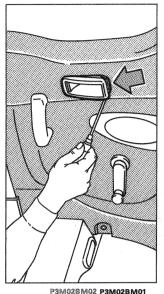


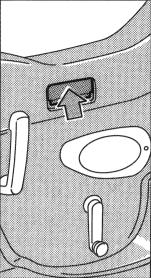
#### Removing rear seat cushion

Remove the fixing bolts shown, then remove the cushion.

### Hood

## <del>70.</del>



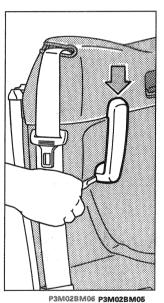


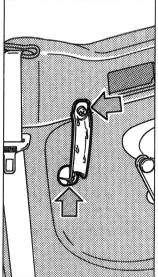


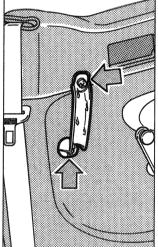
P3M02BM04 P3M02BM03

### Removing ashtray housing

- Remove the ashtray after having lifted the retaining tabs;
- undo the bolt underneath fixing the lining to the bodyshell.







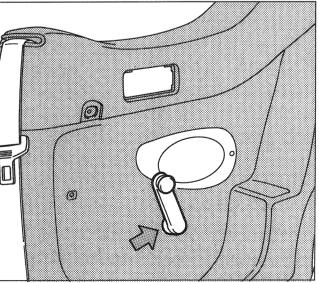
P3M02BM08 P3M02BM07



- Remove the handle trim (left inset);

Removing passenger side grab handles

remove the handle by undoing the bolts shown in the right inset.



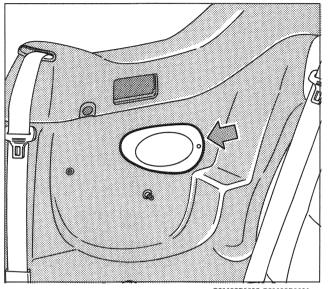






#### Removing window opening device

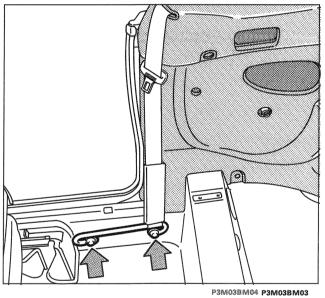
- Using tool 18780340000, extract the circlip retaining the crank to the window opening device operating pin;
- remove the crank.





#### Removing speaker grille

- Undo the bolt fixing the speaker grille;
  disconnect the connector from the speaker;
- remove the grille panel complete with speaker.

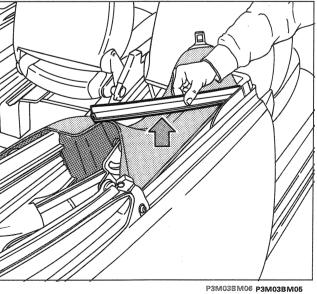






#### Removing front seat belt attachment

- Remove the fixing covers shown in the dia-
- undo the fixing bolts underneath and remove the seat belt attachment from the vehicle.

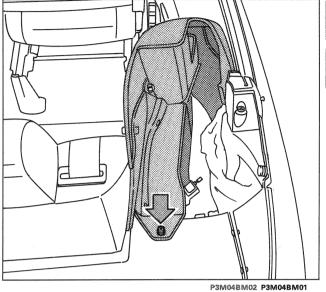




#### Removing glass trim

Remove the glass trim from its housing, then position it sideways so that it does not hinder the subsequent operations.

### Hood



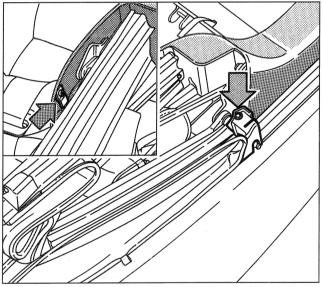


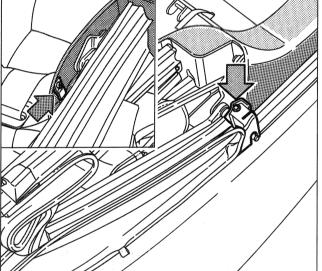


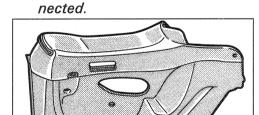
### Removing rear wing inner lining

- Undo the bolt fixing the panel to the rear parcel shelf;









- with the hood in the open position, undo the bolt fixing the panel to the rubber hood

**NOTE** On vehicles fitted with an electrically

operated hood, the earth cable shown in the inset must be discon-

- remove the retaining springs, then remove the front seat belt and remove the rear wing inner lining.

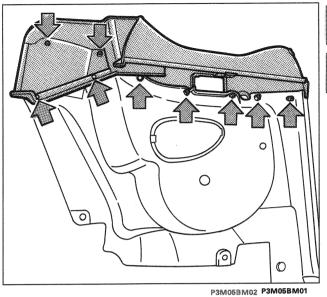
P3M04BM08 P3M04BM07

#### Refitting

support;



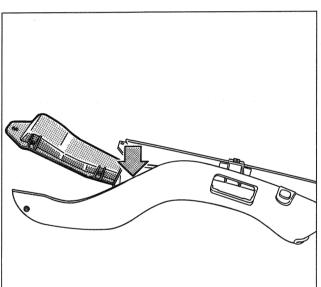
To refit, simply reverse the order of the operations carried out for the removal.





#### Removing rear wing inner lining

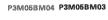
 Remove the upper trim for the panel complete with reinforcement by undoing the bolts shown;

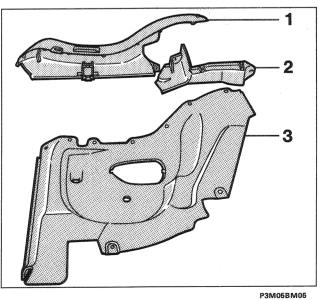






- remove the bolts shown and separate the reinforcement from the trim.







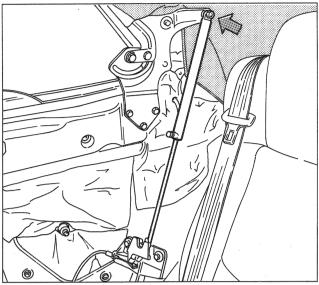
#### **Dismantling lining**

- 1. Lining trim
- 2. Reinforcement
- 3. Panel

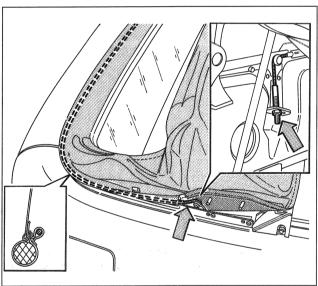
**NOTE** When refitting, reverse the order of the operations carried out for the removal.

Hood

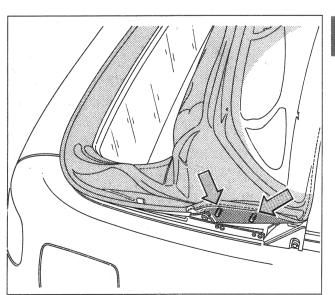
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P3M06BM02 P3M06BM01



P3M12AM04 P3M12AM03



P3M12AM06 P3M12AM05



# REMOVING-REFITTING COMPLETE HOOD

Remove the rear seat, lower the backrest acting on the release mechanism located in the luggage compartment, remove the rear wing inner lining, following the instructions given on page 1 onwards, then mask the areas which could be damaged.

#### **Removing compensators**

Manual operation

 With the hood in the closed position, undo the fixing nut, then remove the compensators.

### Electrical operation

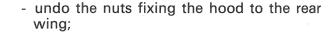
 With the hood in the closed position, release the compensators and lower them until they are in the end of travel position using the hood opening button.

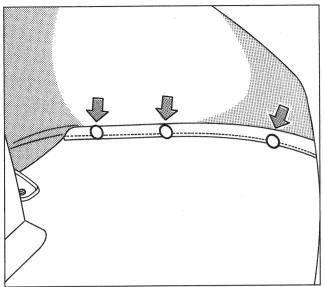
**NOTE** In the extended position, in addition to hindering the subsequent operations, the compensators could damage the hood during the refitting procedure.

#### **Removing hood**

- Lock the hood cable using pliers and undo the retaining nut, then release the cable;

**NOTE** Use tape to protect the end section of the cable.





E

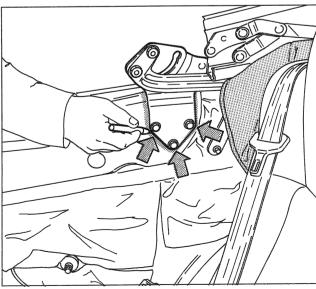
P3M078M02 P3M07BM01

 working from inside the passenger compartment, remove the buttons on the rear parcel shelf lining in order to be able to remove the hood inner lining;



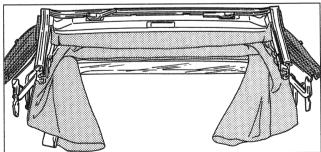
P3M07BM06 P3M07BM05

 remove the belt and the longitudinal steel tensioning cable, after having removed the pin from its housing using a hammer and pliers;



P3M07BM08 P3M07BM07

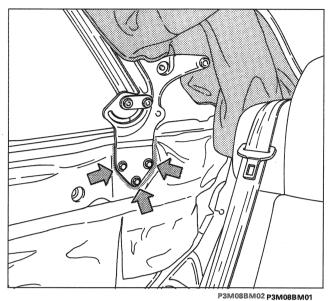




P3M07BM09

 mark the position on the bodyshell of the supporting brackets and remove the hood, complete with frame, undoing the bolts shown in the diagram.

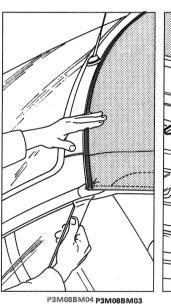
**NOTE** This operation is important because it will ensure that the subsequent fitting is correct and will make it easier.

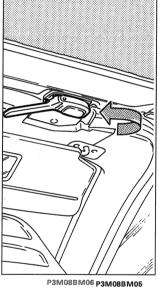




#### **Refitting hood**

 Fit the hood and temporarily tighten the bolts to the brackets, without tightening them fully;



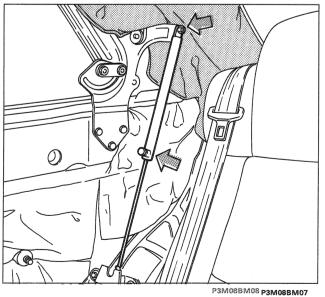






#### $3 \pm 0.5 \, daNm$

- place the hood in the closed position;
- working from inside the vehicle, turn the hood locking handles to the closed position, then check that the hood and the upper edge on the front window are perfectly aligned;
- check that the brackets are correctly positioned on the bodyshell using the dotted line (see previous page), then tighten the bolts fixing the brackets to the bodyshell to the recommended torque;

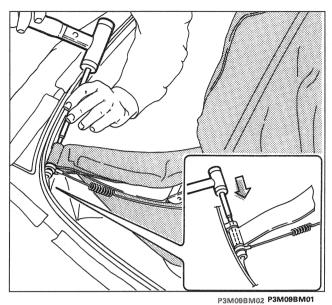






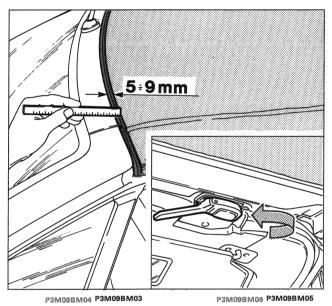
6 ± 1 daNm

- fit the compensators with the pin facing outwards to allow the subsequent attachment of the safety device;
- tighten the fixing nut to the recommended torque;





 open the hood halfway and connect the belts and steel tensioning cables, inserting the pin in its housing using a hammer and drift;



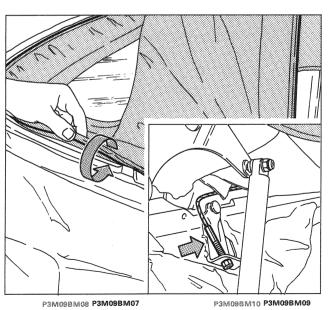


- bring the hood into the closed position;
- working from inside the vehicle, turn the hood locking handles to the closed position, then check that the hood and the upper edge of the front window are correctly aligned;



The reading should be between 5 and 9 mm.

- if this is not the case see page 34 for the adjustment of the front hood alignment;

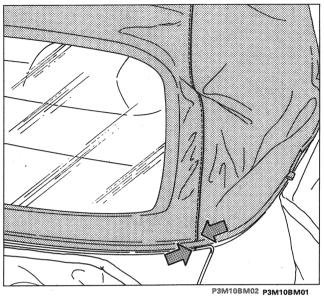




- position the tensioning cable in its housing (see inset);
- insert the edge of the hood in the bodyshell channel;

### Hood

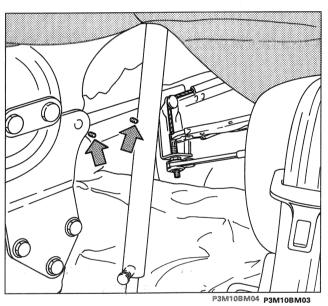
## 70.





 adjust the position of the hood using the reference marks on the bodyshell and on the hood;

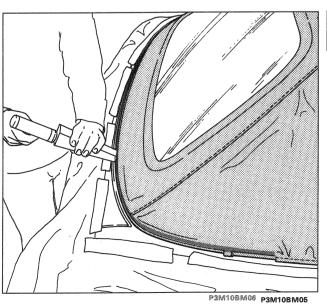
**NOTE** The rear side stitching on the hood should be in line with the hinges on the boot lid.





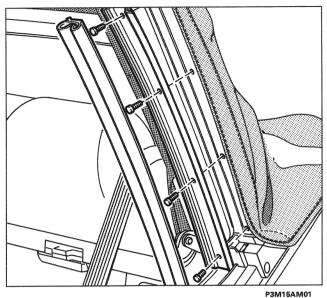
 tension the hood cable from both sides, then tighten the fixing nuts between the hood and the bodyshell;

**NOTE** Do not tension the cable too much.





- using a suitable tool, carefully hit the edge of the hood, then completely tighten the nuts fixing the cable:
- nuts fixing the cable;
   complete the fitting by reversing the order of the operations carried out for the removal.





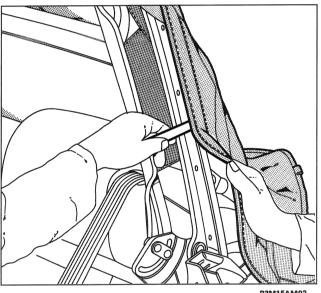
#### **REMOVING HOOD OUTER FABRIC**

#### **Preliminary operations**

- Remove the wing inner lining, following the instructions given on page 1 onwards, then mask the areas which could be damaged;
- place the hood in the halfway open posi-
- release the rear cable and wrap tape around the end to prevent the paint from being damaged;
- undo the side nuts fixing the hood to the rear wing (see page 6).

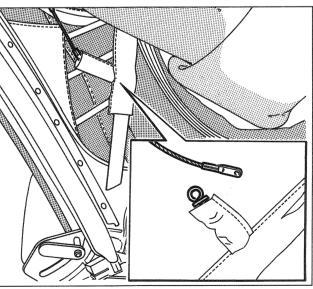
#### **Order of operations**

- Remove the rear trim, undo the bolts underneath to remove the trim channel;





 unstick the hood from the frame, working as illustrated in the diagram;



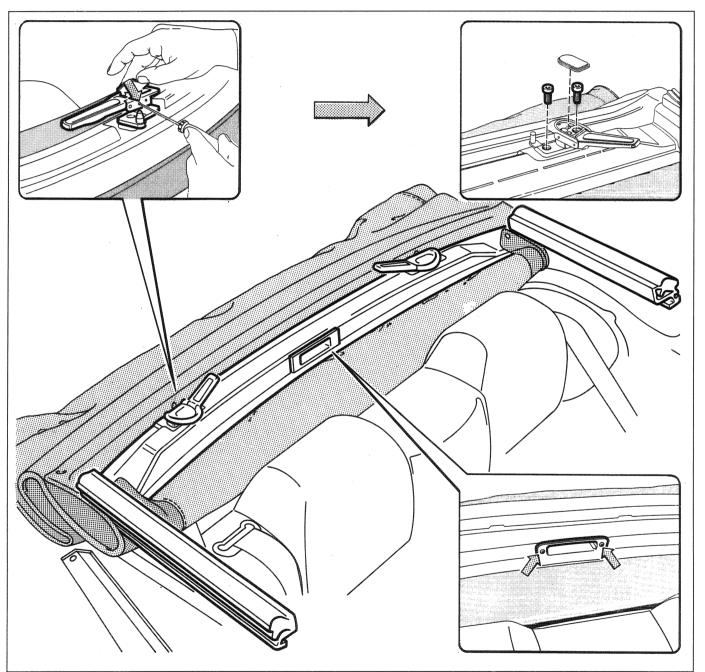


- release the fabric tensioning cable (see inset):
- separate the velcro for the lining from the tensioning belt;

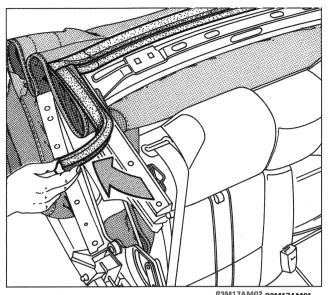
## **Bodywork** Hood

place the hood in the completely open position;
remove the hood closing handle fixing covers by inserting a screwdriver into the opening, as illustrated in the top left inset;

- undo the fixing bolts (see top right inset), then remove the closing handles, the retaining handle and the cross member inner lining;
- undo the fixing bolts (see bottom right inset), then remove the centre hood opening handle;
- then remove the front cross member inner lining.

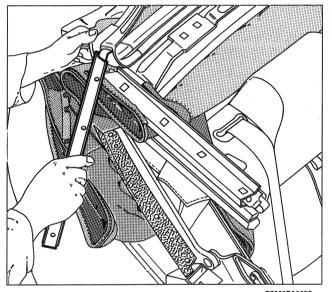


P3M16AM02 P3M16AM01



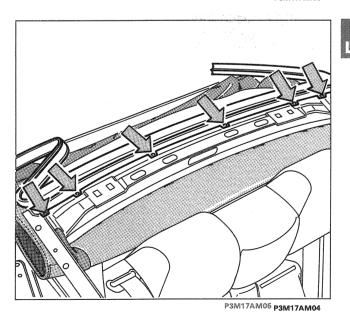


- remove the perimeter trim from the frame;



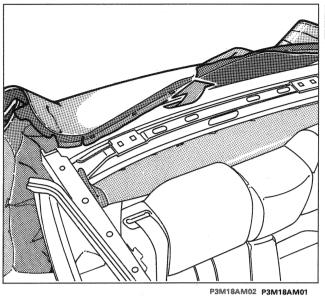


undo the bolts underneath and remove the trim channel;

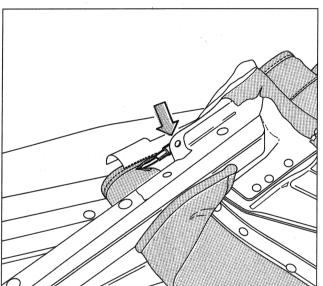


 separate the trim from the hood, undoing the bolts shown by the arrows;

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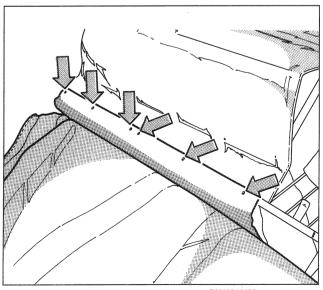


unstick the fabric from the frame;



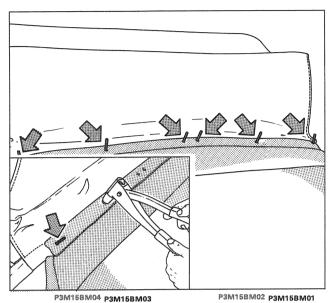
P3M18AM04 P3M18AM03

 release the longitudinal fabric tensioning cable, removing the rivet shown;



P3M18AM06 P3M18AM05

- place the hood in the halfway open position and remove the fabric.





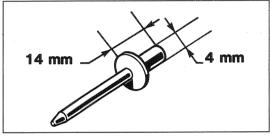
#### **REFITTING HOOD FABRIC**

**NOTE** If the outer fabric is being replaced, recover and mark the retaining bands fitted on the edge of the fabric near the rearscreen.

 Position the outer fabric on the rear rib, then fit the rivets at the points shown and hammer them;



The rivets should be made from aluminium and the size is shown in the inset below.

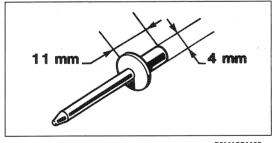


P3M15BM05

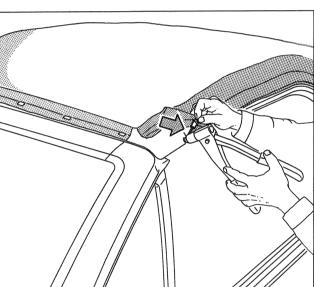
 fix the tensioning cable to the front cross member using a rivet;

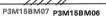


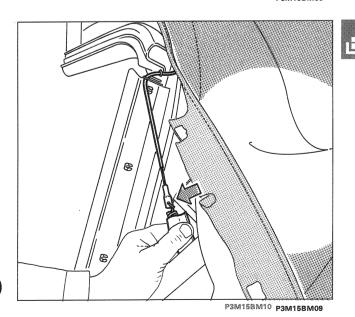
The rivets should be made from aluminium and the size is shown in the inset below.



P3M15BM08



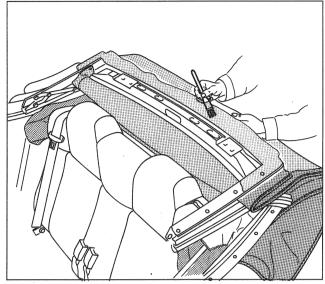




 attach the end part of the tensioning cable to the spring shown;

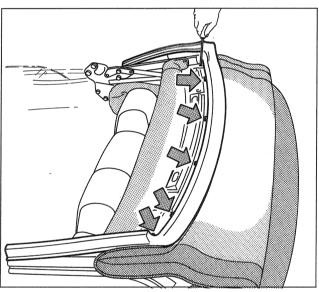
## **Bodywork** Hood

### 70.



P3M16BM02 P3M16BM01

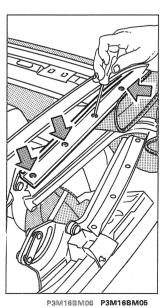
 completely open the hood and stick the front part of the fabric to the front cross member using Bostik adhesive;



P3M16BM04 P3M16BM03

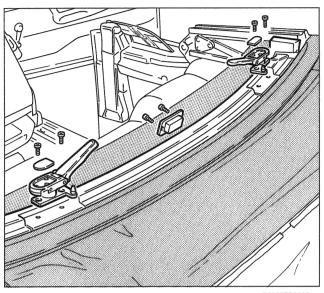


 refit the side front perimeter trim for the hood;



P3M16BM07

- refti the trim channer;
- insert the trim in the channel using a suitable teflon tool in order not to damage the trim;

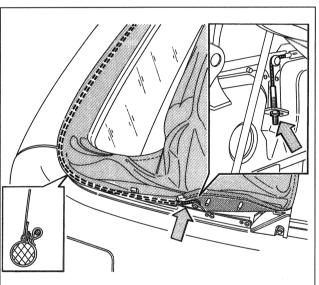






11 daNm

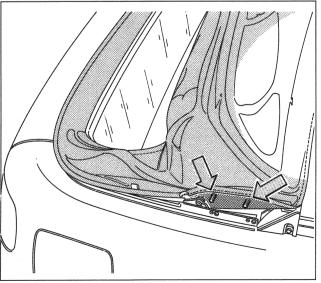
- fit the cross member inner lining and the retaining handles, then tighten the bolt fixing the handle to the recommended torque;
  fit the centre opening handle;





P3M12AM04 P3M12AM03





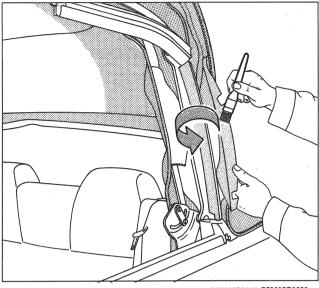
P3M12AM06 P3M12AM05

- fit the side nuts fixing the hood to the rear wing;

17

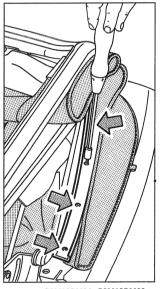
## Hood

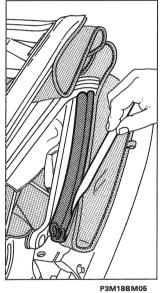
## 70.



P3M18BM02 P3M18BM01

- stick the edges of the hood to the side frame using Bostik adhesive;

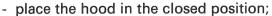




P3M188M07 P3M18BM07







- fit the trim using a suitable teflon tool;

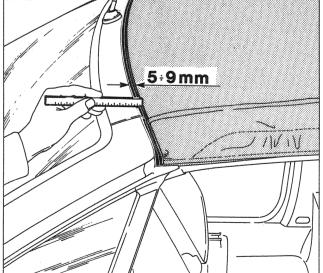
- fit the trim channel;

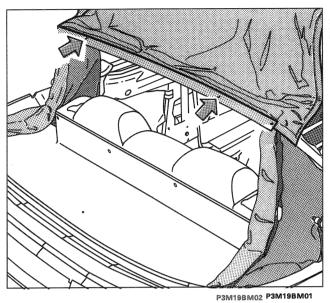
- working from inside the vehicle, turn the hood locking handles to the closed position, then check that the hood and the upper edge of the front window are correctly aligned;



The reading should be between 5 and 9 mm.

- if this is not the case, see page 34 for the adjustment of the hood front alignment.







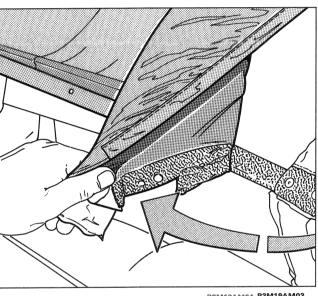
#### **REMOVING-REFITTING INSULATING** PANEL

#### Removing

- Remove the outer fabric as described on page 11 onwards;
- remove the rivets to release the insulating panel, then unstick the lining from the rib;

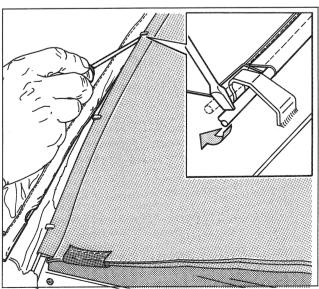


Protect the rear parcel shelf lining to prevent shavings from making the cloth dirty.

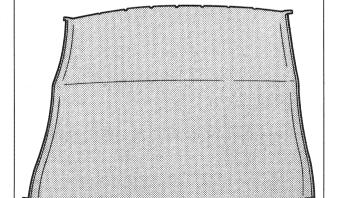


P3M19AM04 P3M19AM03

separate the inner lining from the supporting belt;



P3M19AM06 P3M19AM05

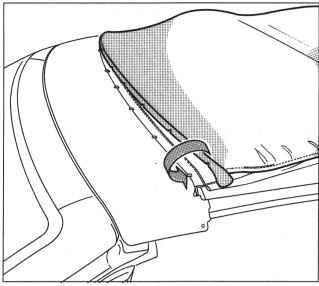


P3M19BM03

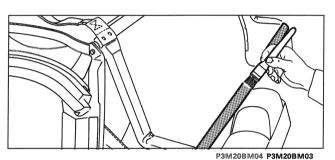
- release the insulating cover from the front cross member tabs.

### **Bodywork** Hood

### 70.

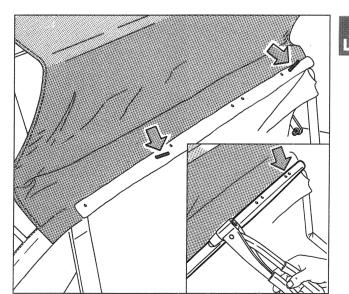


P3M20BM02 P3M20BM01



P3M20BM06 P3M20BM05

P3M20BM10



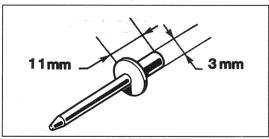
P3M20BM08 P3M20BM07



#### Refitting

- Fit the insulating panel on the front cross member, then attach and hammer the tabs;

 stick the ends of the panel to the rear rib using Bostik adhesive;

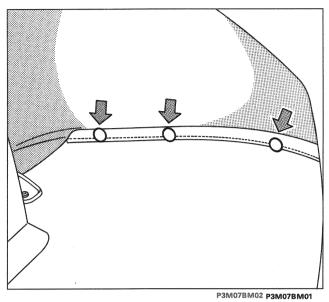


P3M20BM11



The rivets should be made from aluminium and the size is shown in the upper inset.

- position the ends of the inner fabric on the edge of the insulating panel and fit the rivets in the position shown by the arrows;
- refit the outer fabric following the instructions given on page 15 onwards.





#### REMOVING-REFITTING INNER LINING

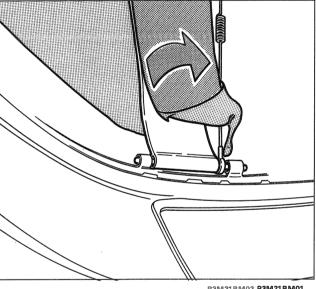
#### Removing

Remove the outer fabric as illustrated on page 11 onwards.

Remove the insulating panel as illustrated on page 18 onwards, then:

- release the hood inner lining from the buttons for the rear parcel shelf lining;

**NOTE** The washers under the rivets should be recovered as they can be reused during refitting to prevent damaging the cloth.



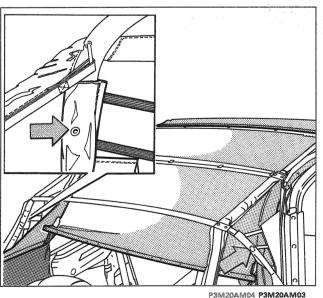




- release the lining from the rear frame tensioning belts;



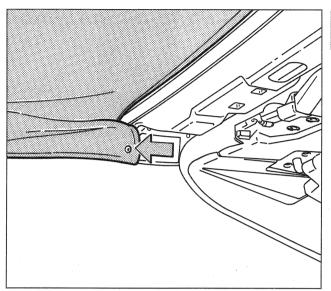
The frame tensioning belts should not be adjusted.





- remove the rivet from the rear rib and unstick the lining;

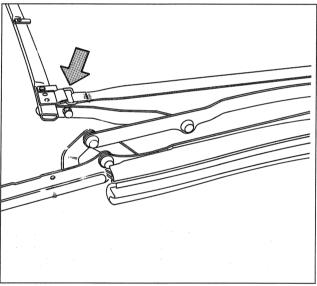
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P3M21AM02 P3M21AM01



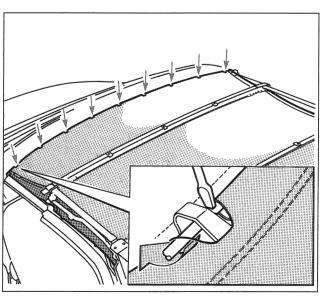
- remove the rivets on the front cross mem-



P3M22BM02 P3M22BM01

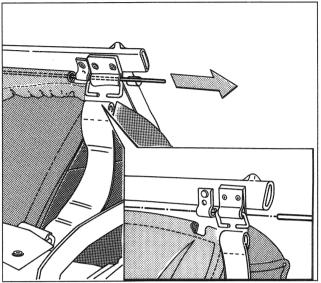


- release the flexible belts from the special attachment;



P3M21AM04 P3M21AM03

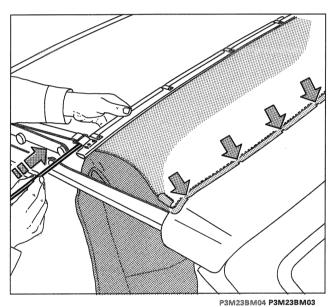
release the lining from the tabs for the front cross member;





P3M23BM02 P3M23BM01

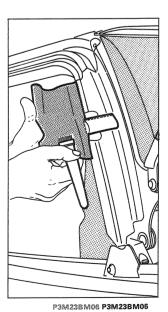
- remove the insert from the centre ribs and release the lining.





Refitting

 Attach the internal lining to the front cross member tabs, then fit the lining to the front and centre rib inserting the fixing insert;



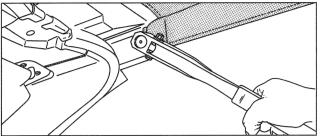
P3M23BM08 P3M23BM07



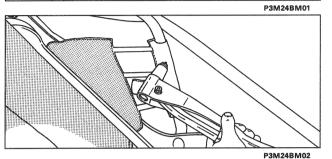
- using a brush and Bostik adhesive, stick the side edge of the lining to the rear rib;



Place the side edge of the panel on the rear rib passing through the hood frame as illustrated in the right inset.



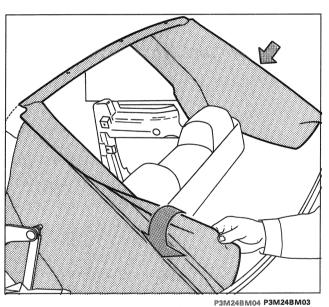






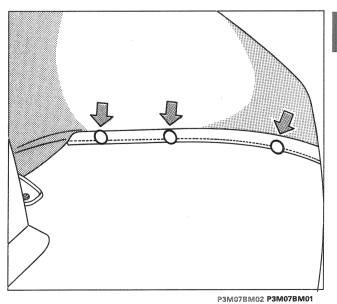
The rivets should be made from aluminium and the size is given in the upper inset.

rivet the lining to the front cross member;rivet the end of the interior lining to the rear rib;



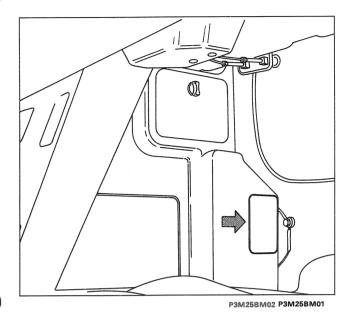


- fit the insulating panel proceeding as described on page 20;
- position the inner lining on the rear frame tensioning belts;





- refit the buttons between the rear pacel shelf and the inner lining, then refit the outer fabric as described on page 11 onwards.



### **EMERGENCY OPERATION OF ELECTRI-CALLY OPERATED HOOD**

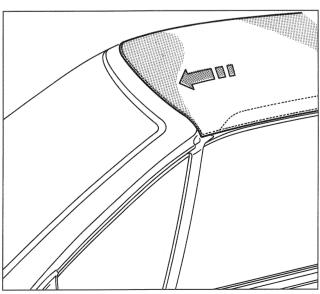
In cases of emergency proceed as follows to move the hood manually:

 work from inside the luggage compartment and release the access cover for the electro-hydraulic pump;



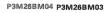
P3M25BM04 P3M25BM03

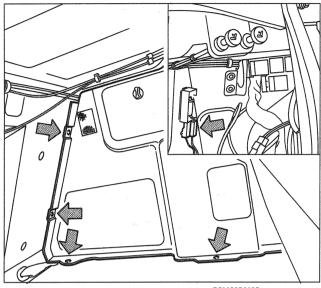
- open the emergency valve shown by the arrows;



- move the hood manually.

### 70.



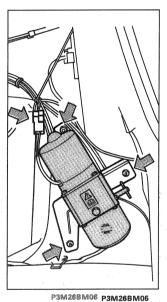


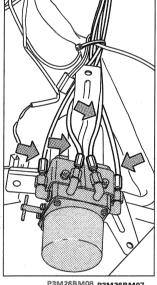


#### REMOVING-REFITTING ELECTRO-**HYDRAULIC PUMP**

#### Removing

- Before removing electro-hydraulic pump, move the hood into the open position to drain the oil from the pipes leading to the pump;
- working from inside the luggage compartment, move the shelf lining aside, then remove the buttons fixing the side lining to the bodyshell using tool 1878077000;
- remove the side lining disconnecting the connectors shown in the upper inset;





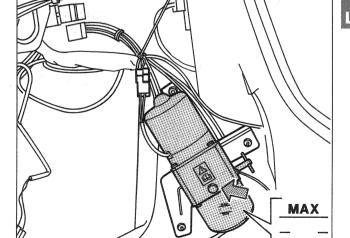
P3M26BM08 P3M26BM07



- undo the nuts fixing the pump to the bodyshell and disconnect the connection shown (left inset);
- remove the electro-hydraulic pump disconnecting the pipe shown by the arrows (right inset).



Mark and seal the pipes for the electro-hydraulic pump to prevent the oil from escaping.



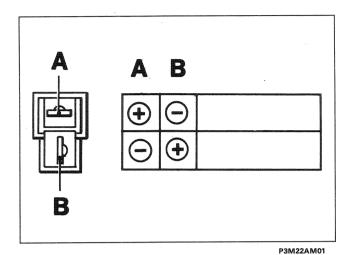
P3M26BM10 P3M26BM09

## Refitting

To refit reverse the order of the operations carried out for the removal.

**NOTE** Move the hood into the open and closed positions, then check the level of the oil which should be: MIN with the hood closed and MAX with the hood open.

> When topping up, adjust the bolt shown using TUTELA LHM oil.



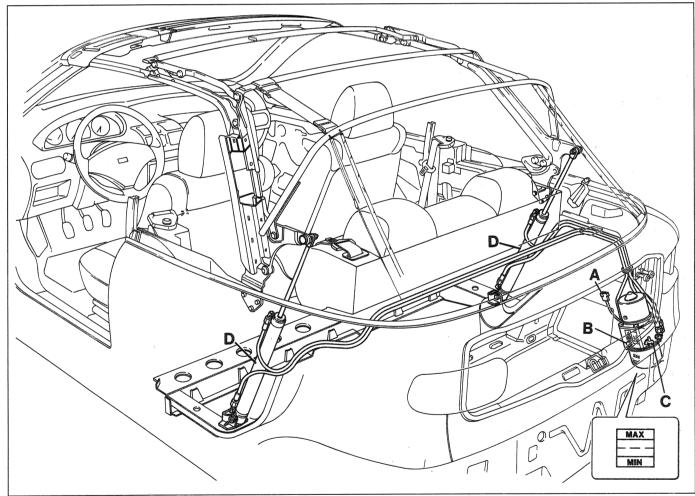
FEATURES OF ELECTRO-HYDRAULIC PUMP

- Engine: permanent magnet

- Voltage: 12 Volt

- Current capacity: 40 A max.

#### LOCATION OF HOOD OPERATING SYSTEM COMPONENTS



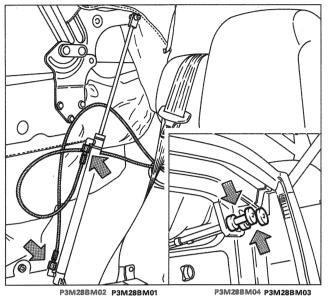
P3M27BM01

A Multiple connector

**B** Oil refilling bolt

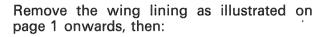
C Emergency valve

D Hydraulic compensator

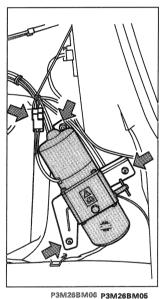


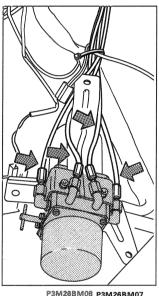


#### REMOVING-REFITTING PIPE **CONNECTING PUMP COMPENSATORS**



- lower the backrest and fold over the seat cushion acting on the control illustrated in the inset:
- disconnect the piping:







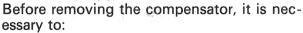


- working from inside the luggage compartment remove the lining as illustrated on page 26 onwards;
- undo the nuts fixing the pump to the bodyshell and disconnect the connection shown (left inset)
- remove the pipes shown, disconnecting them from the electro-hydraulic pump (right inset).

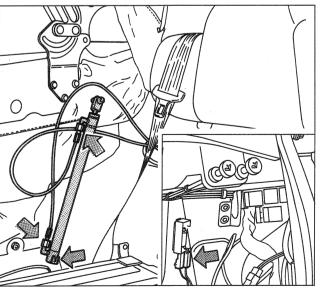


Mark, seal and do not mix up the pipes for the electro-hydraulic pump to prevent oil from escaping.

#### REMOVING-REFITTING ELECTRICALLY **OPERATED HOOD COMPENSATOR**



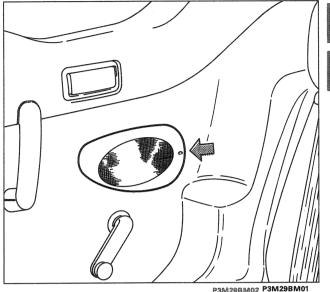
- remove the wing inner lining as illlustrated on page 1 onwards;
- fold over the backrest acting on the control shown in the inset;
- bring the hood into the closed position;
- undo the nuts fixing the compensators to the bracket;
- electrically recall the compensators;
- remove the pipes and mark them, then seal them to prevent oil from escaping;
- remove the spring shown and remove the compensator.
- to refit reverse the order of the operations carried out for the removal.



P3M28BM06 P3M28BM05

P3M28BM04 P3M26BM03









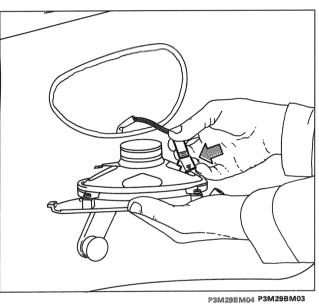
#### REMOVING-REFITTING MANUALLY OP-**ERATED COMPENSATOR**

#### Removing



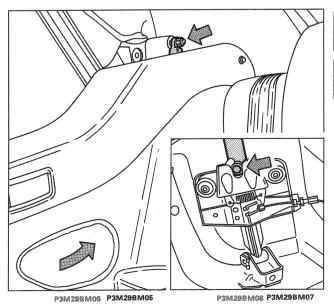
Before carrying out the removal, the hood must be placed din the closed position.

- Undo the fixing grille for the speaker;





- disconnect the connector shown and remove the Speaker;







- undo the nut shown and, working from the speaker housing, remove the compensators.

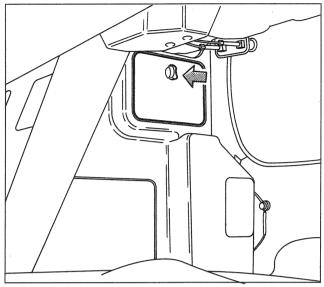
#### Refitting

- To refit reverse the order of the operations carried out for the removal.

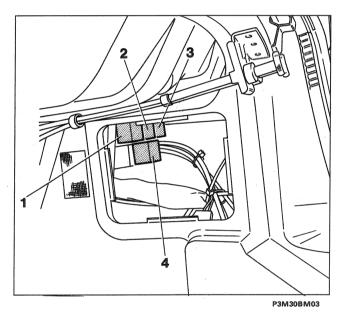


Fit the compensators with the pins facing outwards to allow the subsequent attachment of the safety device as illustrated in the inset.

## <del>70.</del>



P3M30BM02 P3M30BM01



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P3M30BM05 P3M30BM04

#### HOOD OPERATING ELECTRICAL EQUIP-MENT

#### Replacing hood operating relays

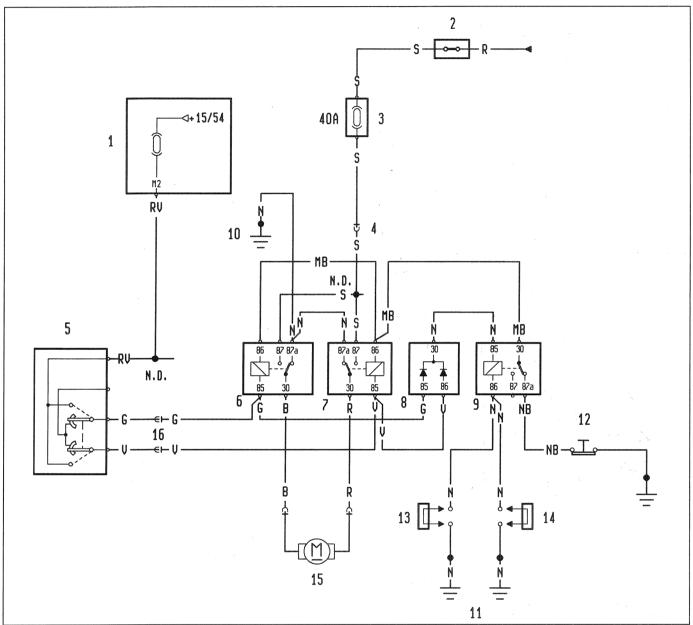
Working from inside the luggage compartment, open the flap shown.

- Pump control relay
   Pump control relay
   Safety relay

- 4. Diodes

Location of hood operating button

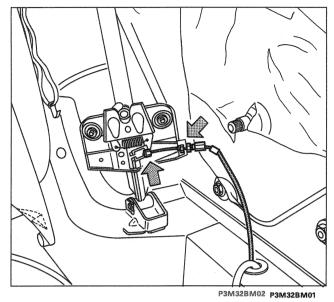
#### Wiring diagram



P3M23AM01

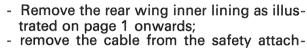
- 1. Junction unit
- 2. Connector block (+ 12 Battery)
- 3. 40A fuse protecting pump motor system (in engine compartment)
- 4. Pump system supply coupling
- 5. Electric hood control switch
- 6. Pump control relay
- 7. Pump control relay
- 8. Diodes
- 9. Safety relay
- 10. Earth point in luggage compartment (right rear)
- 11. Earth points on rear panels
- 12. Handbrake button
- 13. Safety button for hood cover
- 14. Safety button for hood cover
- 15. Hood operating pump motor
- 16. Join between rear cable and electric hood cable

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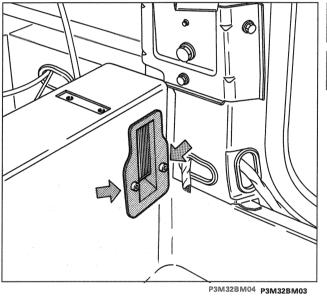




#### **REMOVING-REFITTING HOOD SAFETY** ATTACHMENT DEVICE CONTROL CABLE



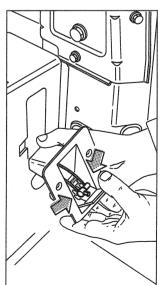
ment;



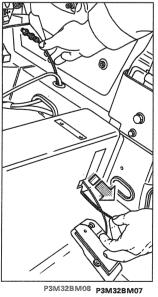




- undo the bolts fixing the safety attachment control handle;

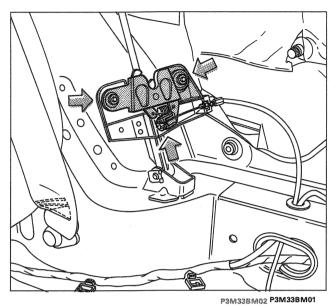


P3M32BM06 P3M32BM05





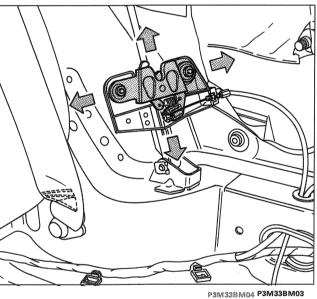
- disconnect the ends of the release lever, then remove the cables:
- to refit reverse the order of the operations carried out for the removal.





# REMOVING-REFITTING SAFETY AT TACHMENT DEVICE

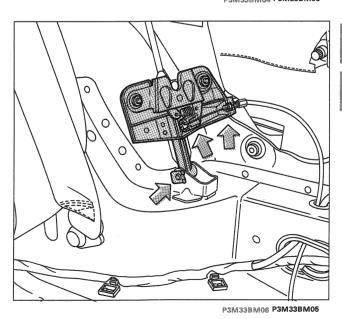
- Remove the wing lining as described on page 1 onwards;
- disconnect the cable from the safety attachment system;
- undo the nuts shown and extract the device.





# Adjusting position of safety attachment device

**NOTE** The arrows indicate the possible movements for adjusting the lock.





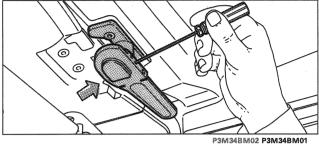
# Removing-refitting safety attachment device housing

- Remove the wing lining as described on page 1 onwards;
- remove the cable then remove the spring shown and extract the housing for the safety attachment device.

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### Hood

### 70.

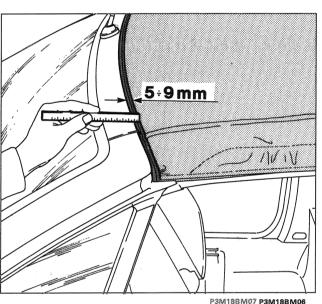




#### REMOVING-REFITTING HOOD ATTACH-MENT HANDLE



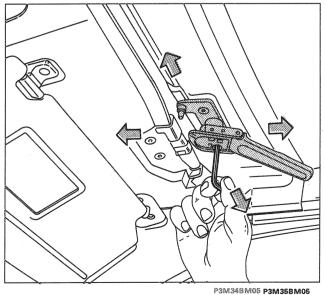
- Remove the handle escutchion working via the opening shown;
- remove the handle undoing the bolts shown;
- to refit reverse the order of the operations carried out for the removal.





#### **Adjusting front hood alignment**

Place the hood in the closed position then lock it using the interior handles and check that the value between the hood and the upper edge of the front window is between 5 and 9 mm.





If the value reached does not correspond to the figure given, the hood must be adjusted via the handle fixing bolts.

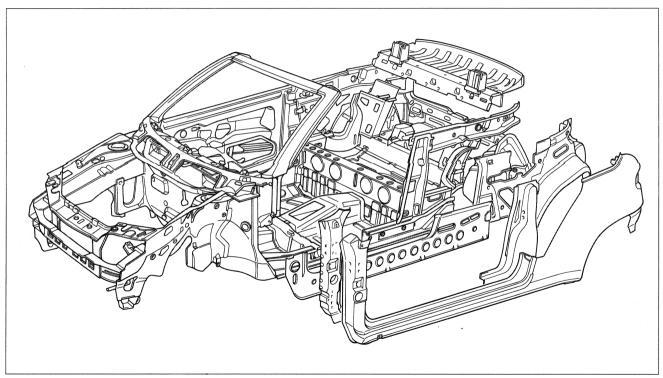


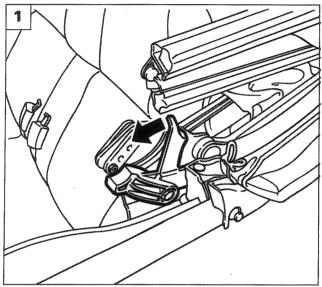
The arrows indicate the possible movements for the adjustment.

### Bodywork Bodyshell

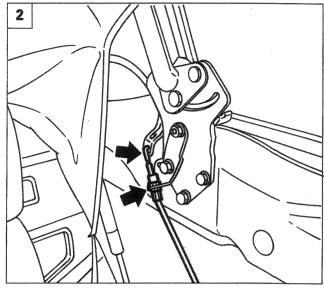
70.

#### **EXPLODED VIEWS OF BODY PANELS**





P3M89BM01



P3M89BM02

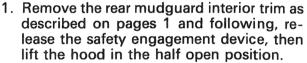


**DEVICE** 

# uary 1995. Removing-refitting safety engagement device

NOTE This device will be adopted from Jan-

**NEW SAFETY ENGAGEMENT** 

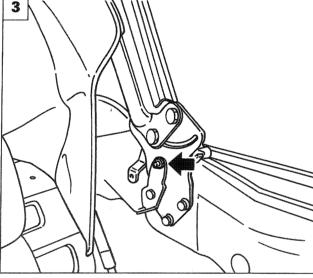


2. Disconnect the cable from the safety engagement system.

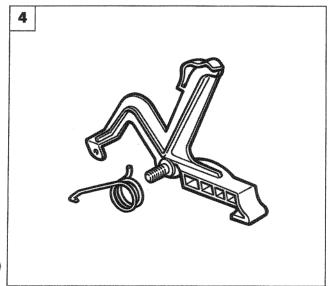
3. Undo the nut securing the safety engagement device to the hood.

4. Release the safety engagement device complete with reaction spring.

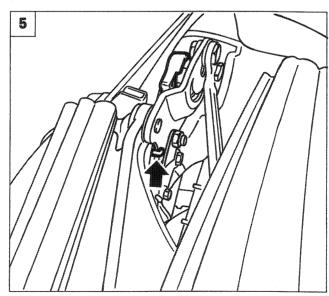
5. To refit, reverse the procedure for removal, making sure that the reaction spring homes correctly against the hood frame.



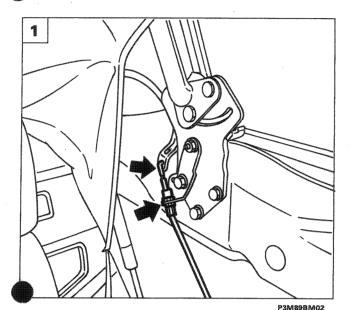
P3M898M03

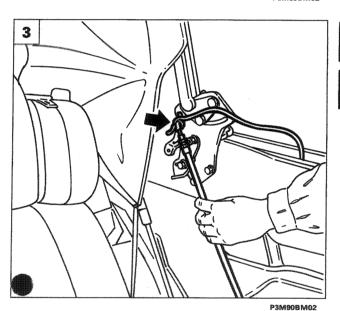


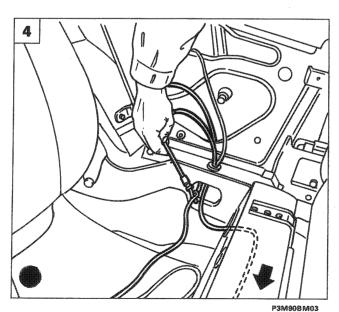
P3M89BM04

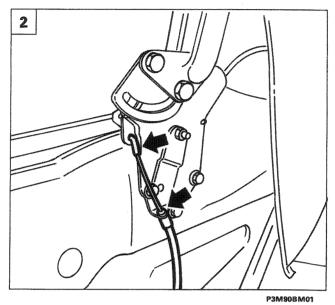


P3M89BM05









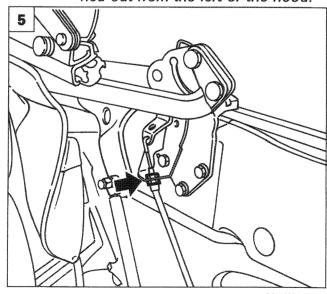
# Removing-refitting cable controlling safety engagement device

- Remove both rear mudguard interior trim pieces as described on pages 1 and following, lift the rear seat cushions, then release the cable from its engagement system.
- 2. Working on the other side, remove the cable from its engagement system.
- 3. Tie the cable end in a suitable manner so as to facilitate its subsequent refitting inside the cross member under the rear seat.
- 4. Withdraw the cable from the cross member under the rear seat.

#### Adjusting safety engagement device

5. When the mudguard internal trim has been removed, adjust the nuts shown in the figure.

**NOTE** The adjustment may be only be carried out from the left of the hood.



P3M90BM0