

RENAULT

0 Vehicle general information

01C VEHICLE BODYWORK SPECIFICATIONS

02A LIFTING

03B IMPACT

04E PAINTWORK

05B BODYWORK EQUIPMENT AND TOOLING

X84, and B84 or C84 or G84 or S84

OCTOBER 2005

Edition Anglaise

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed."

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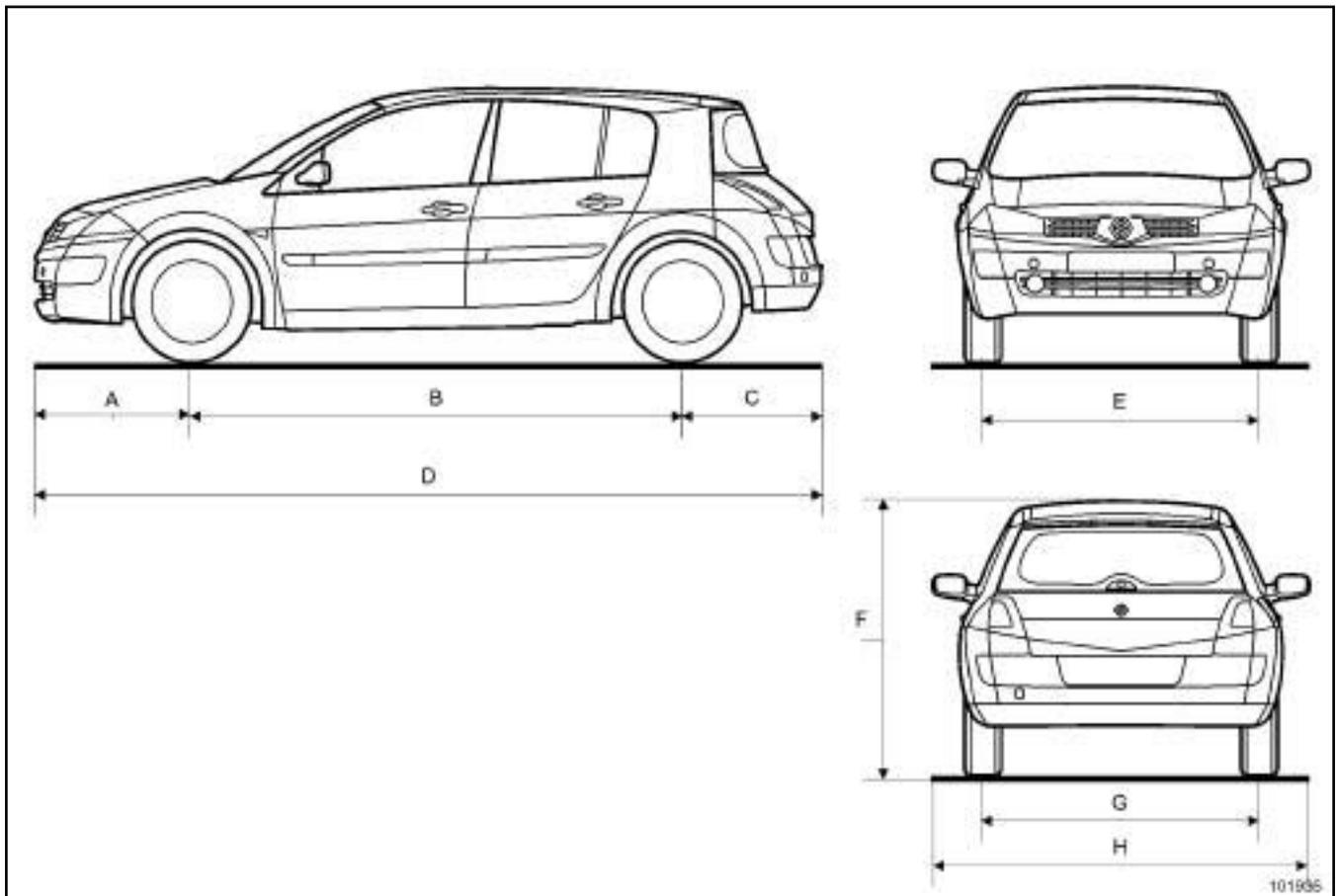
MEGANE II - Section 0

Contents

Page

01C	VEHICLE BODYWORK SPECIFICATIONS		05B	BODYWORK EQUIPMENT AND TOOLING	
	Vehicle: Specifications	01C-1		Special tooling: Description	05B-8
	Vehicle: Identification	01C-3		Bodywork equipment: Description	05B-9
	Vehicle clearances: Adjustment values	01C-5			
02A	LIFTING				
	Vehicle: Towing and lifting	02A-1			
03B	IMPACT				
	Damaged vehicle: Collision fault finding	03B-1			
	Vehicle damaged at front: Description	03B-3			
	Vehicle damaged at side: Description	03B-5			
	Vehicle damaged at rear: Description	03B-7			
04E	PAINTWORK				
	Anti-corrosion protection product Description	04E-1			
05B	BODYWORK EQUIPMENT AND TOOLING				
	Body jig bench: Description	05B-1			

B84 or C84



101936

Dimensions in metres:

(A)	0.842
(B)	2.625
(C)	0.742
(D)	4.209
(E)	1.518
(F) (unladen)	1.458
(G)	1.514
(H)	1.777

VEHICLE BODYWORK SPECIFICATIONS

Vehicle: Specifications

01C

B84 or C84

Vehicle type	Engine		Gearbox
	Type	Cubic capacity (cc)	Type
XM0F	K9K 722	1461	JR5
XM0B	K4J 730	1390	JH3
XM0H	K4J 730	1390	JH3
XM0J	K4J 730	1390	JH3
XM0C	K4M 760	1598	JH3
XM0C	K4M 761	1598	DP0
XM0G	F9Q 800	1870	ND0
XM0U	F4R 771	1998	DP0
XM0U	F4R 770	1998	ND0

VEHICLE IDENTIFICATION

Example: « BM0F »

« B: » Body type (five-door)

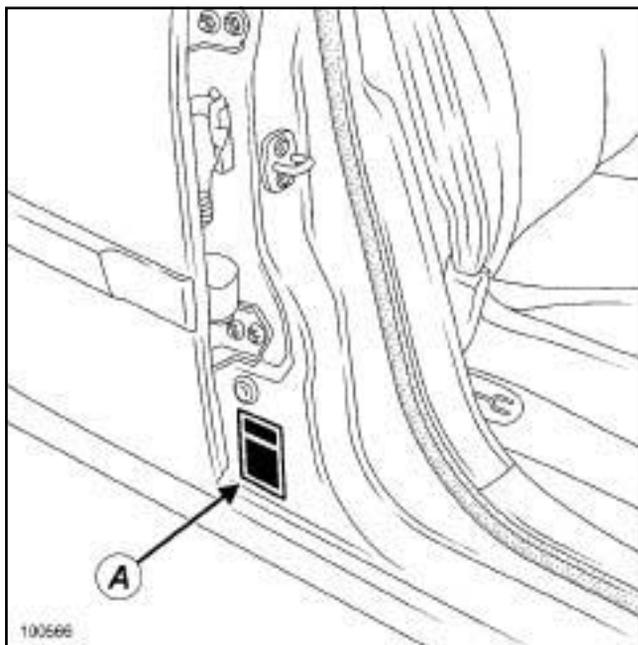
« M: » Project code

« 0F: » Engine suffix

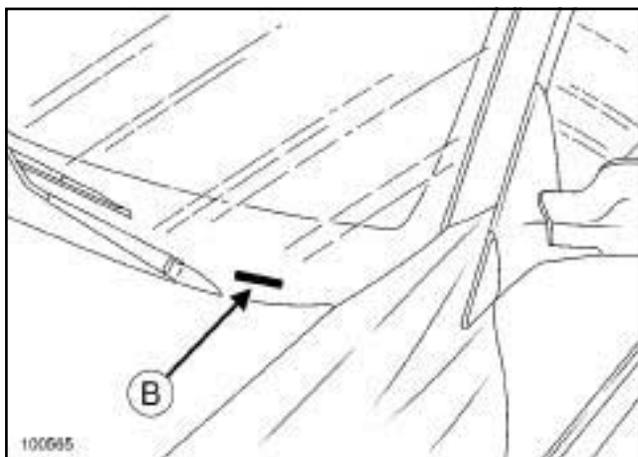
Vehicle: Identification

B84 or C84

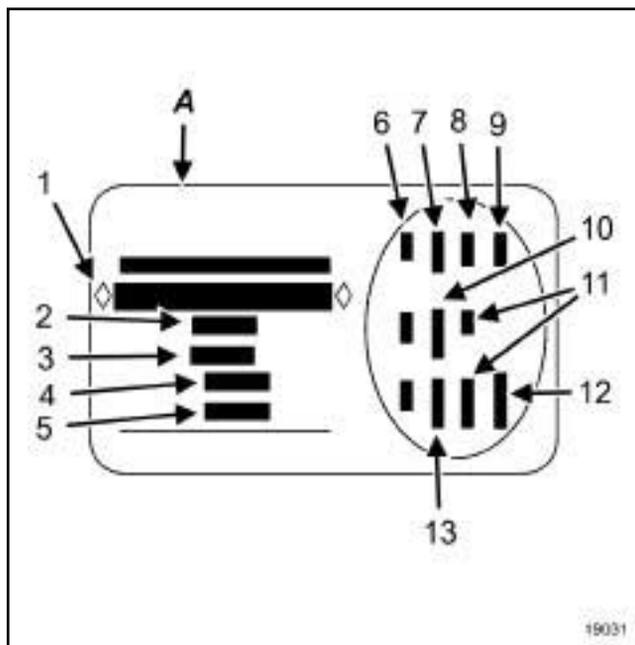
I - LOCATION OF VEHICLE IDENTIFICATION PLATE



100566



100565



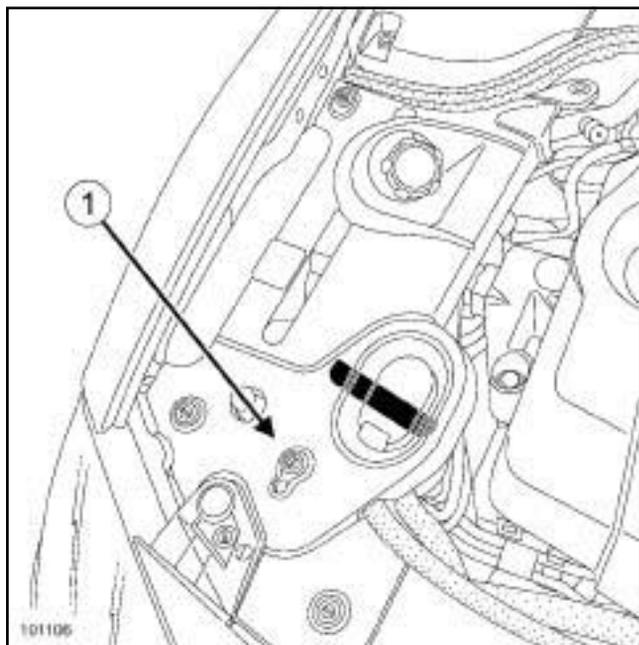
19031

19031

- (1) Vehicle type mine and type number; this information also appears on marking (B)
- (2) MPAW (Vehicle's Maximum Permissible All-up Weight)
- (3) GTW (Gross train weight, vehicle under load with trailer)
- (4) Maximum permissible front axle load
- (5) Maximum permissible rear axle load
- (6) Vehicle technical specifications
- (7) Paintwork reference number
- (8) Equipment level
- (9) Vehicle type
- (10) Upholstery code
- (11) Additional equipment details
- (12) Fabrication number
- (13) Interior trim code

B84 or C84

II - COLD-MARKING OF THE BODY



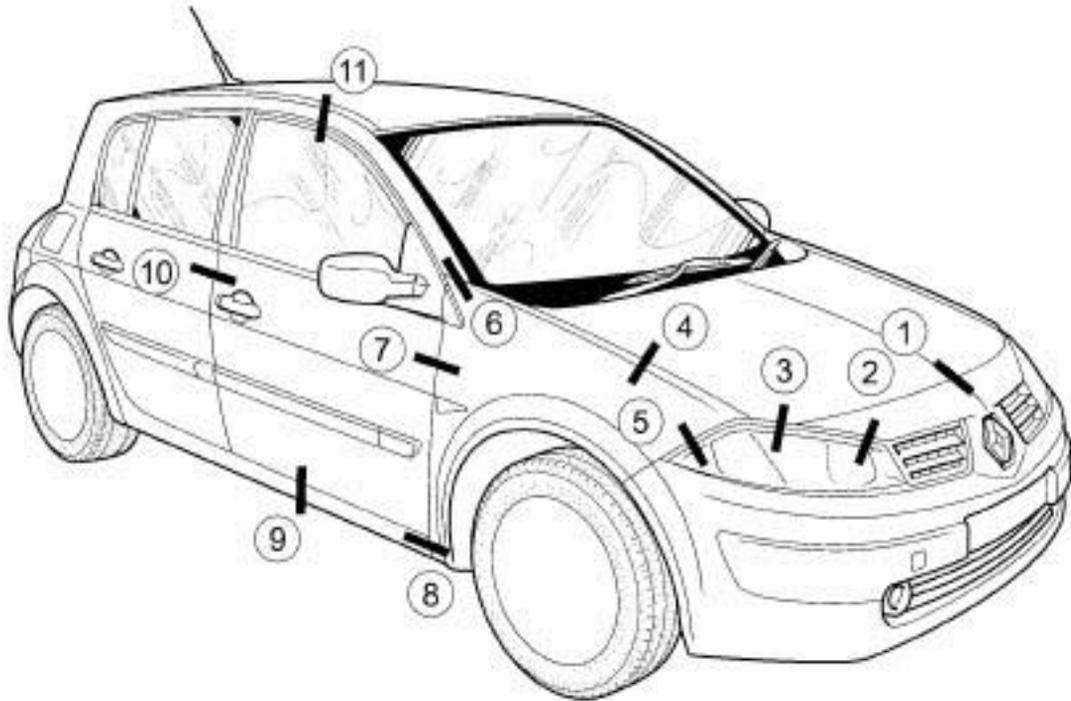
101106

The marking is applied to the front section of the engine mounting; it is visible after the engine cover is removed (1) .

Note:

If replacing the complete body, marking must be applied in compliance with current regulations.

B84 or C84



114673

114673

WARNING

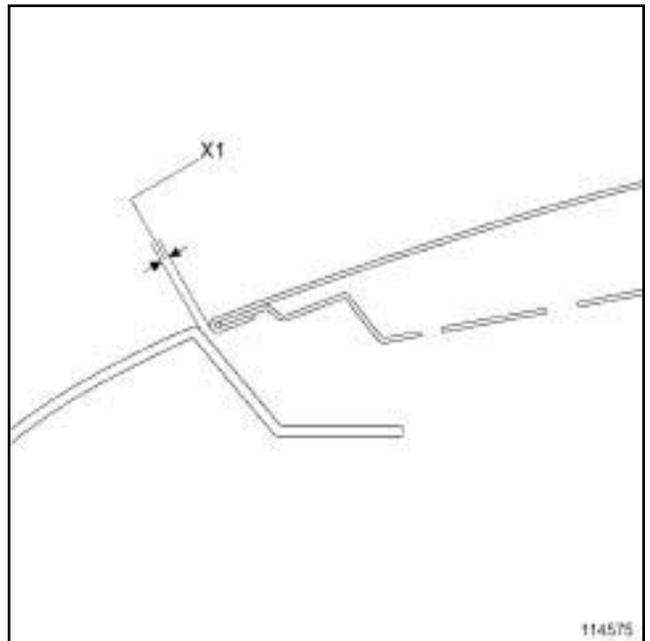
The clearance values are given for information purposes.

When adjusting, certain rules have to be followed:

- maintain symmetry with respect to the opposite side,
- ensure the flush fitting is correct,
- check correct operation of the opening, and water/air-tightness.

All values are given in millimetres.

Section 1



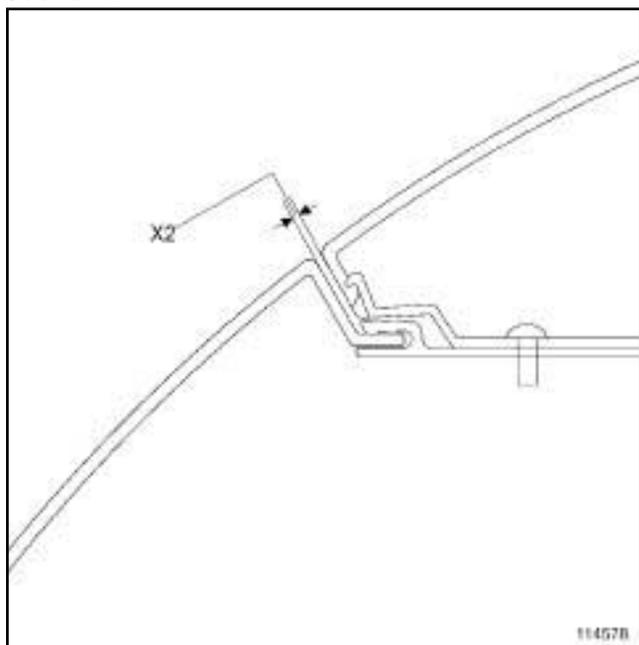
114575

114575

(X1) = 3.5 mm ± 1.1

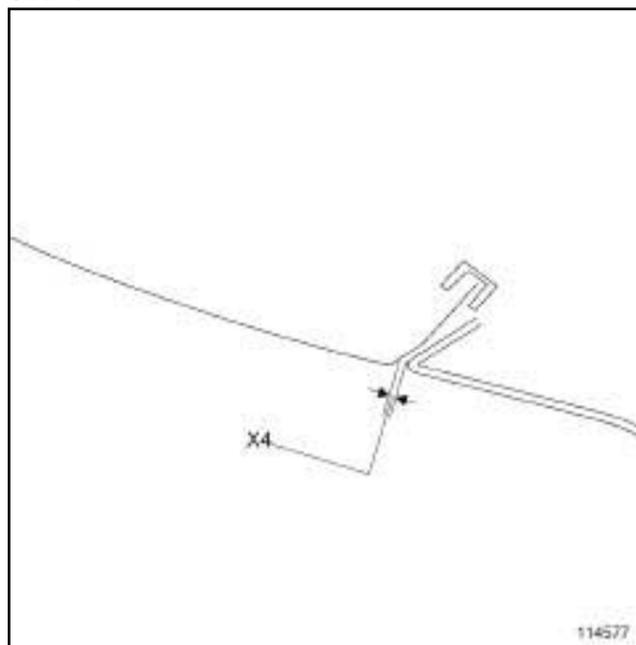
B84 or C84

Section 2



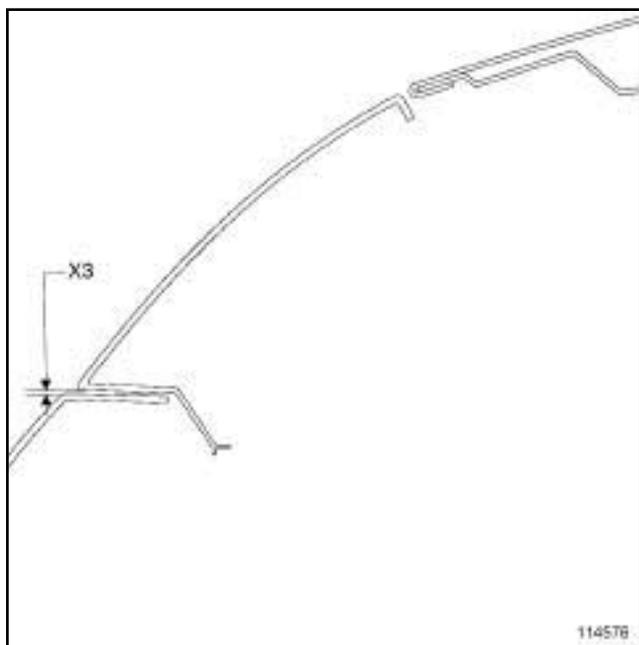
(X2) = 1.5 mm ± 1.3

Section 4



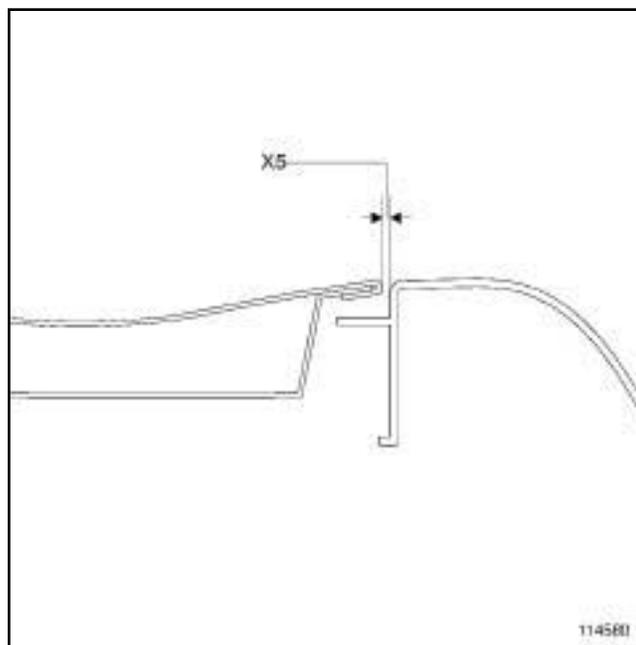
(X4) = 2 mm ± 1.9

Section 3



(X3) = 2 mm ± 1.4

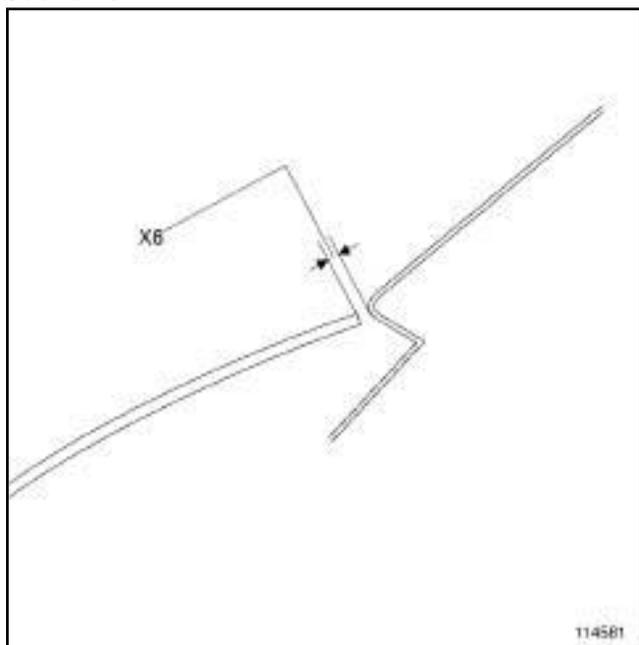
Section 5



(X5) = 3.5 mm ± 1.1

B84 or C84

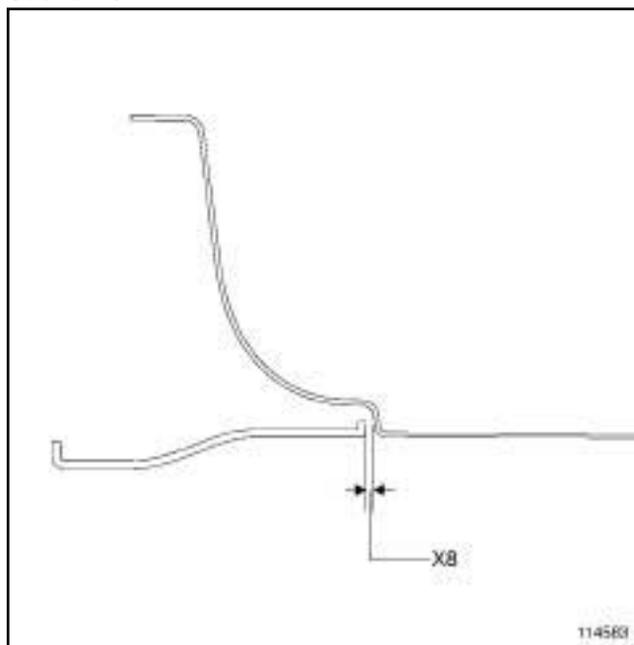
Section 6



114581

(X6) = 2.5 mm ± 1.3

Section 8

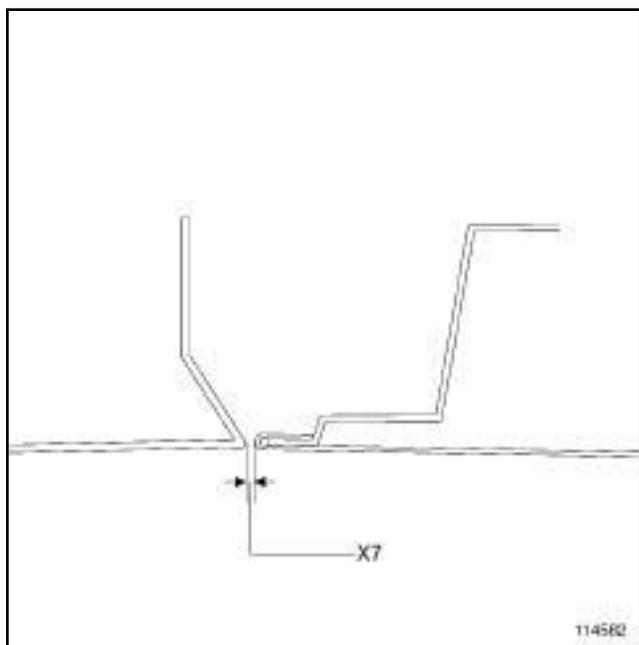


114583

114583

(X8) = 3 mm ± 1.3

Section 7

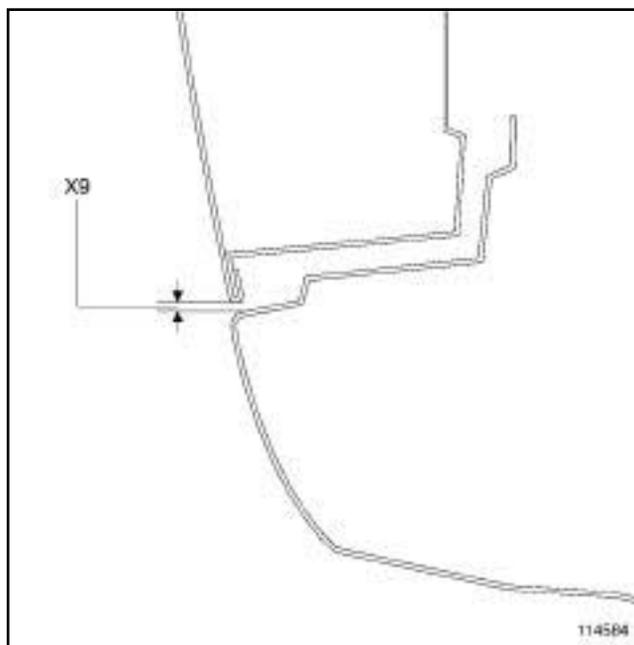


114582

114582

(X7) = 4 mm ± 1.2

Section 9



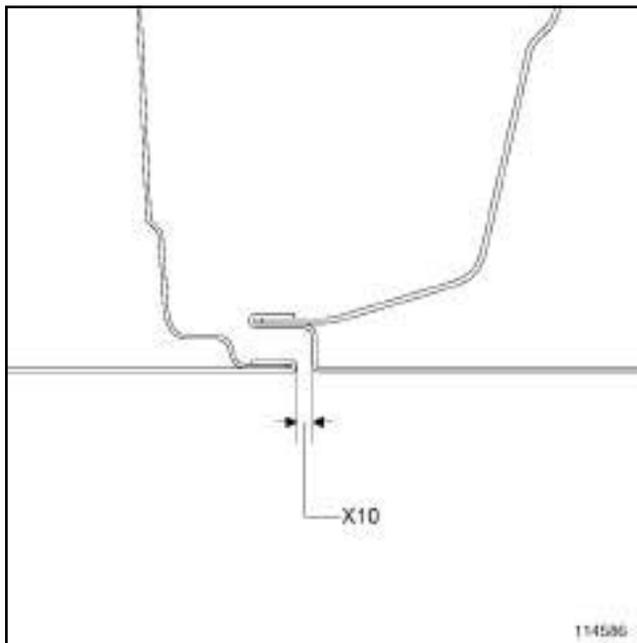
114584

114584

(X9) = 4.5 mm ± 1.4

B84 or C84

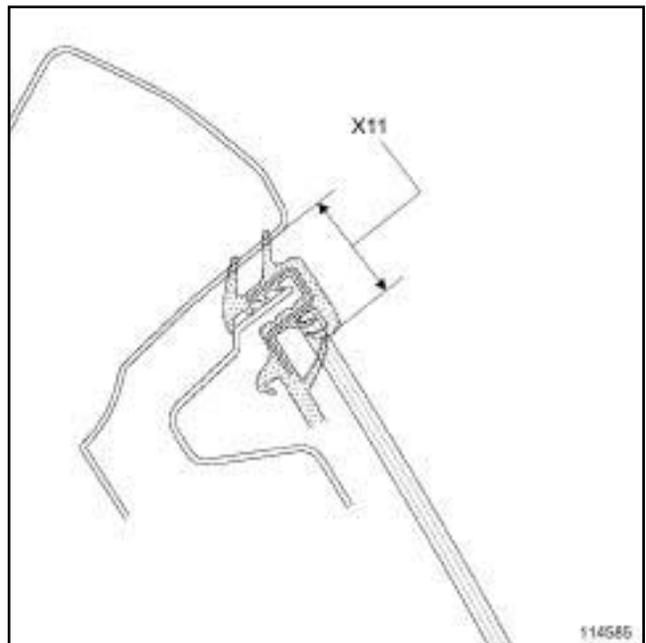
Section 10



114586

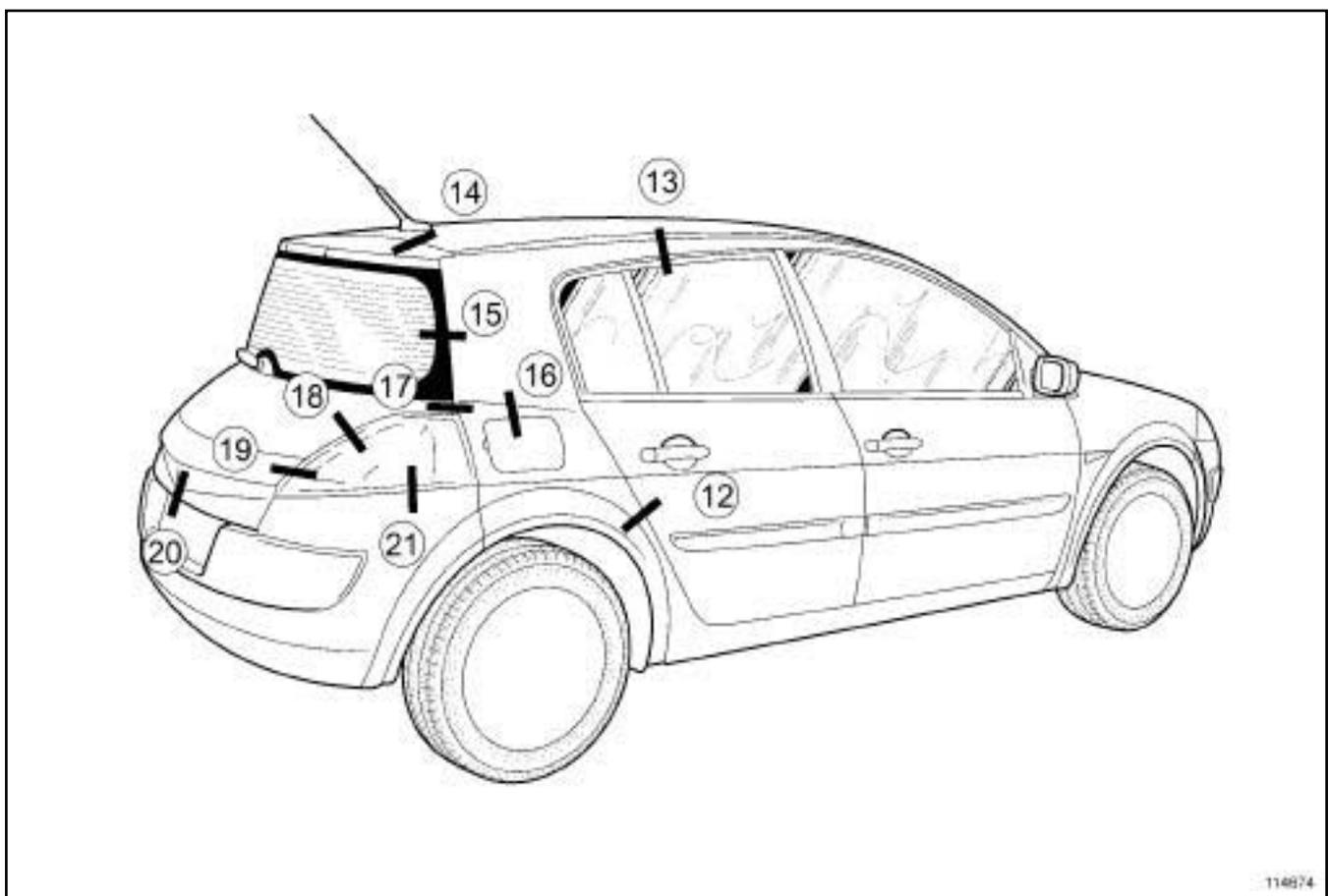
(X10) = 4.2 mm ± 1.2

Section 11



114585

(X11) = 22.7 mm ± 1.6

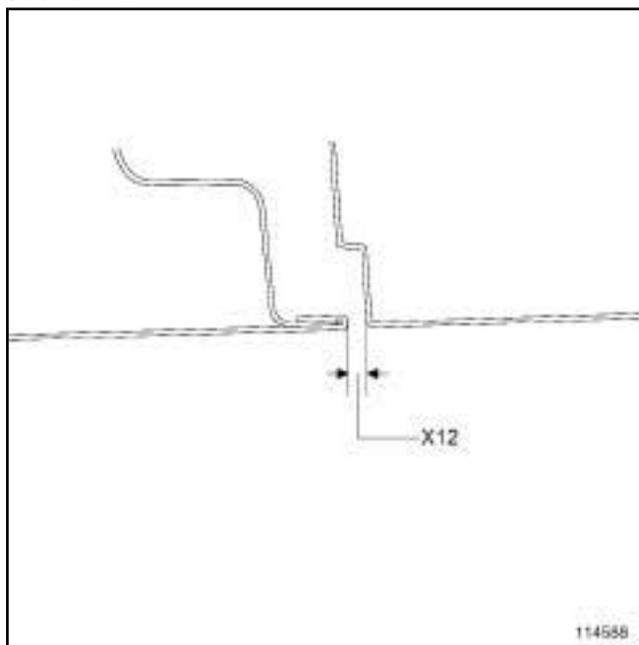


114674

114674

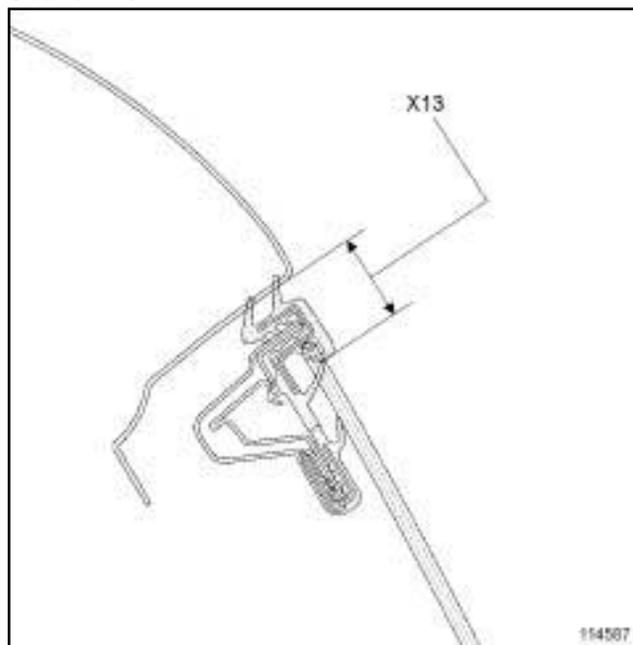
B84 or C84

Section 12



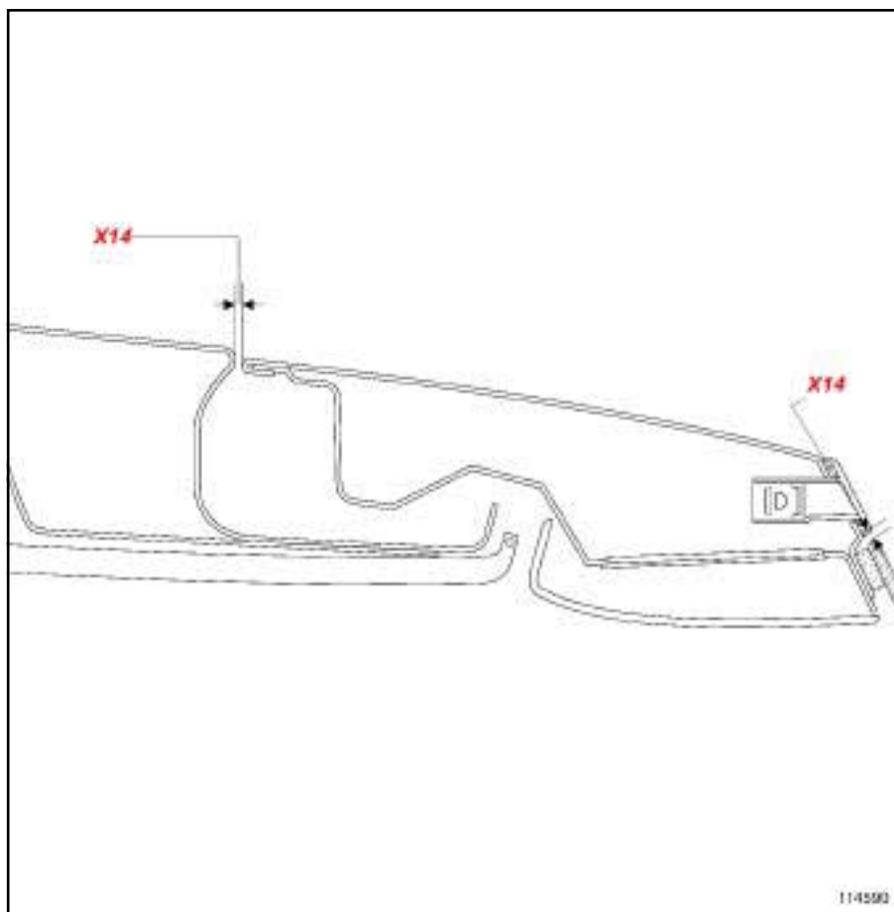
(X12) = 4 mm ± 1.2

Section 13



(X13) = 22.7 mm ± 1.6

Section 14

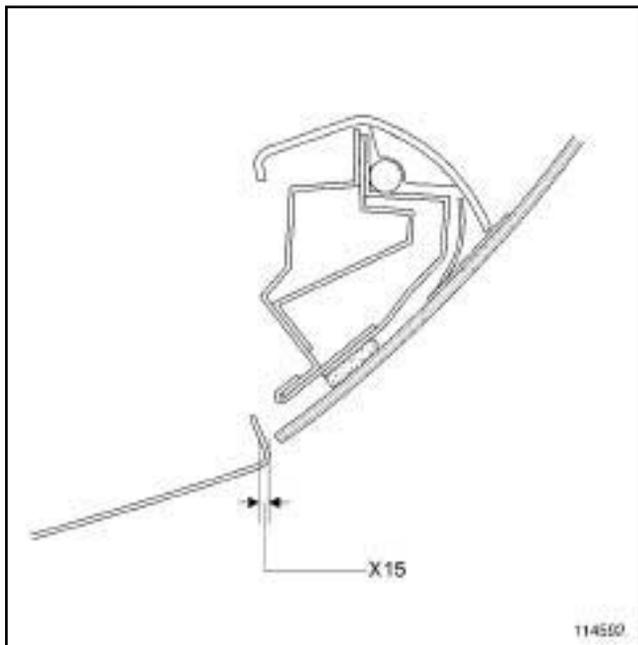


(X14) = 5.1 mm ± 0.9

(X14) = 3 mm ± 1.8

B84 or C84

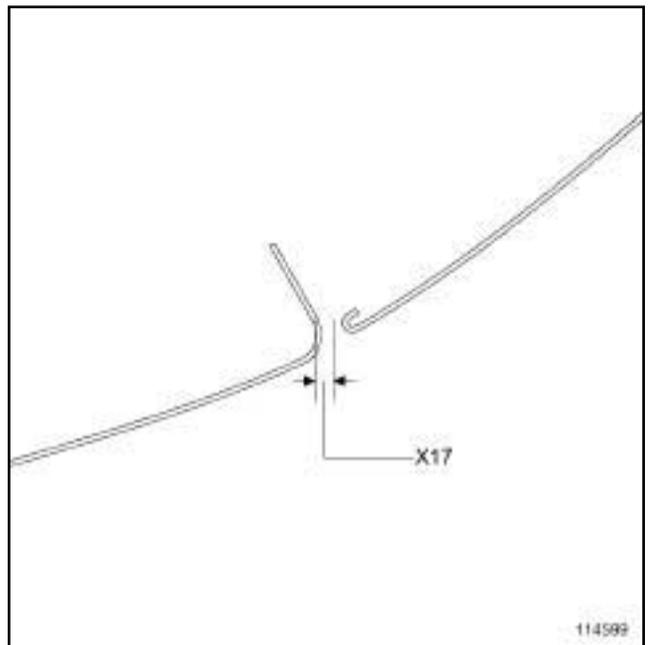
Section 15



114592
114592

(X15) = 4.5 mm ± 1.9

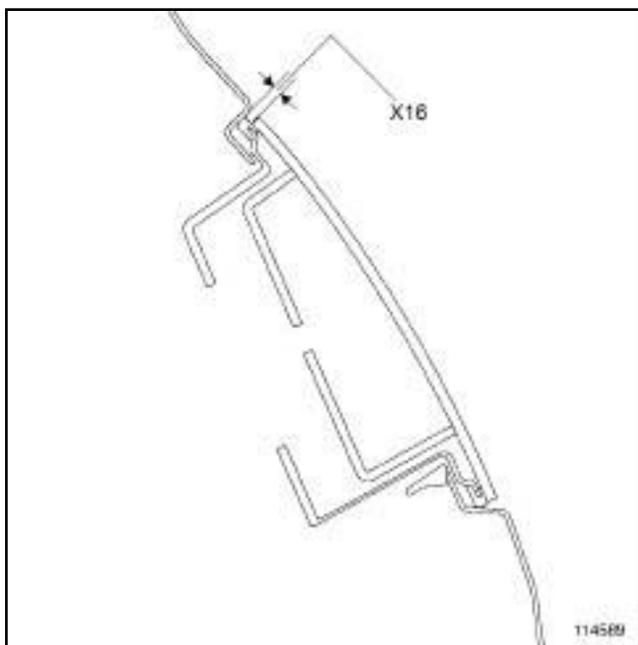
Section 17



114599
114599

(X17) = 4.5 mm ± 1.9

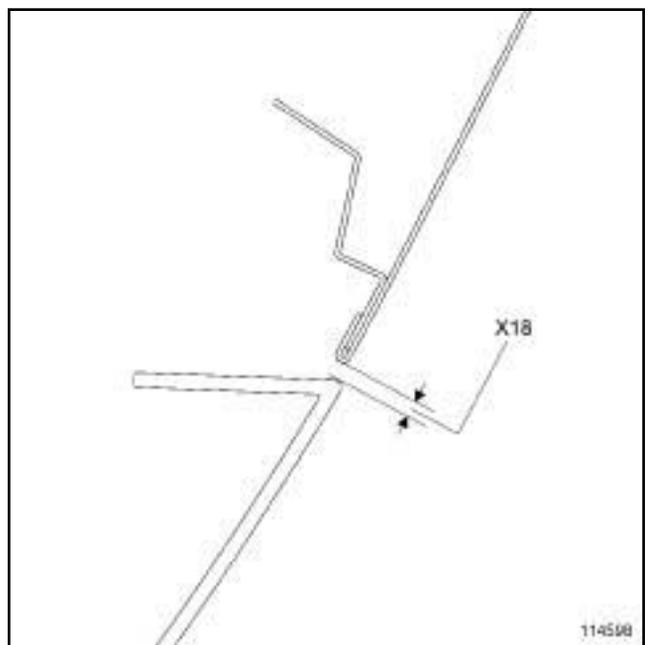
Section 16



114589
114589

(X16) = 2.5 mm ± 0.9

Section 18

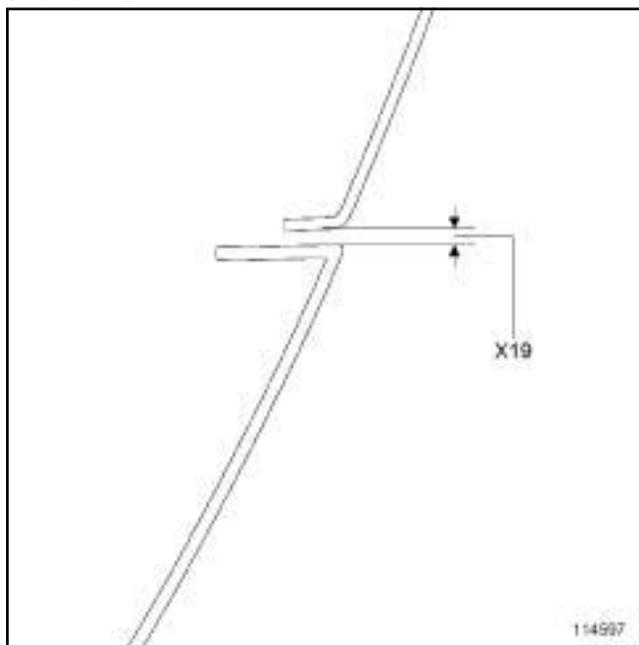


114598
114598

(X18) = 4.5 mm ± 1.7

B84 or C84

Section 19



114597

$$(X19) = 4.5 \text{ mm} \pm 2.1$$

Section 21

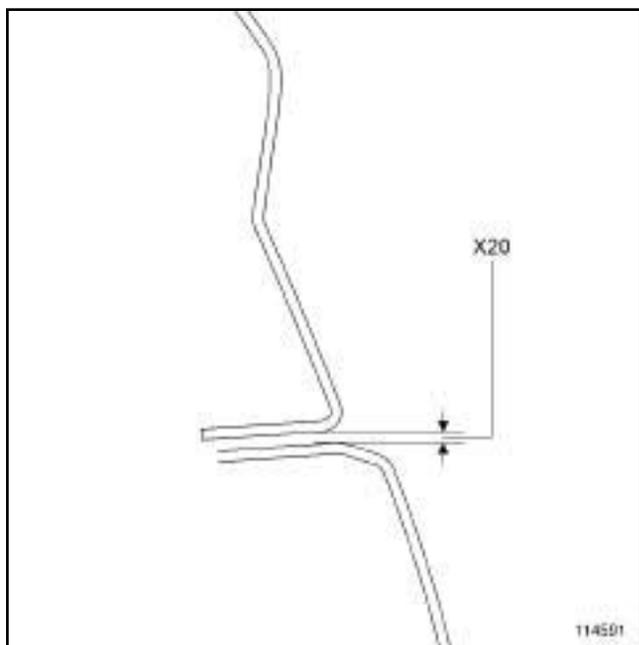


114593

114593

$$(X21) = 1.5 \text{ mm} \pm 1.4$$

Section 20



114501

114591

$$(X20) = 5 \text{ mm} \pm 1.9$$

LIFTING

Vehicle: Towing and lifting

02A

B84 or C84

Equipment required

diagnostic tool

safety belt

I - TOWING

WARNING

- Observe the laws relating to towing for the country you are in.
- Never use the driveshafts as an attachment point.
- The towing points may only be used for towing the vehicle on roads.
- Never use the towing points to pull the vehicle from a ditch or to lift the vehicle, either directly or indirectly.
- Screw in or lock the towing ring before towing.

Vehicles fitted with automatic transmission

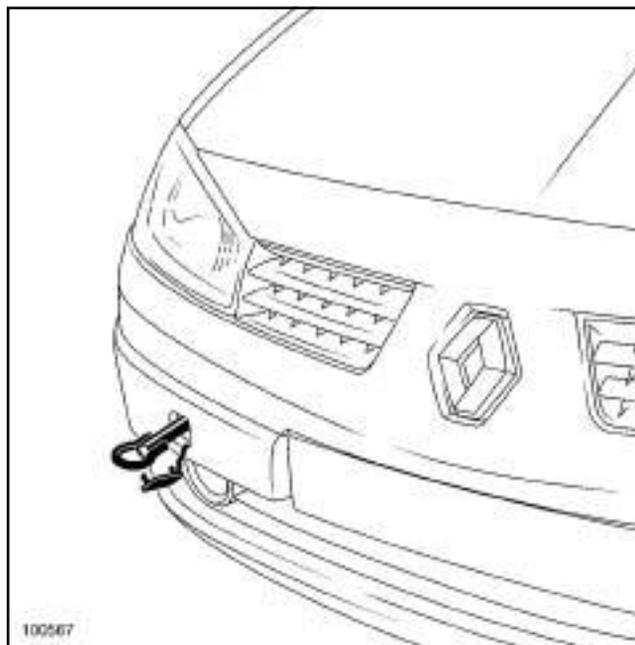
The vehicle should preferably be towed on a platform or by raising the front wheels. If this is not possible, in exceptional circumstances, the vehicle may be towed at a speed below **12 mph (20 km/h)** over a maximum distance of **18 miles (30 km)** (lever in N position).

Vehicles fitted with a RENAULT card

If the vehicle battery is flat, the steering column remains locked. In this situation, use a battery or an electrical source to lock the airbag computer, using the **(diagnostic tool)** (see **MR 364 Electrical equipment, 88C, Airbag and pretensioners, Precautions for repair**), which will unlock the steering column.

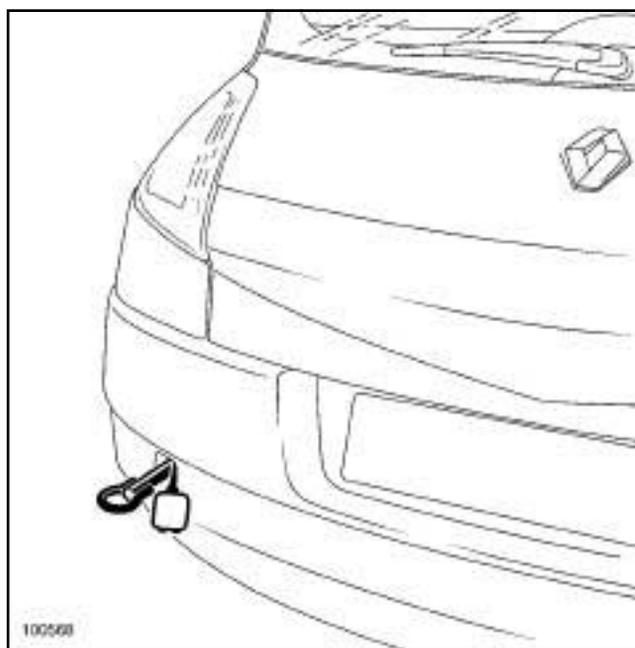
- If it is not possible to lock the airbag computer, the front of the vehicle must be lifted.

1 - Position of front attachment point



100567

2 - Position of rear attachment point



100568

II - LIFTING BY TROLLEY JACK

IMPORTANT

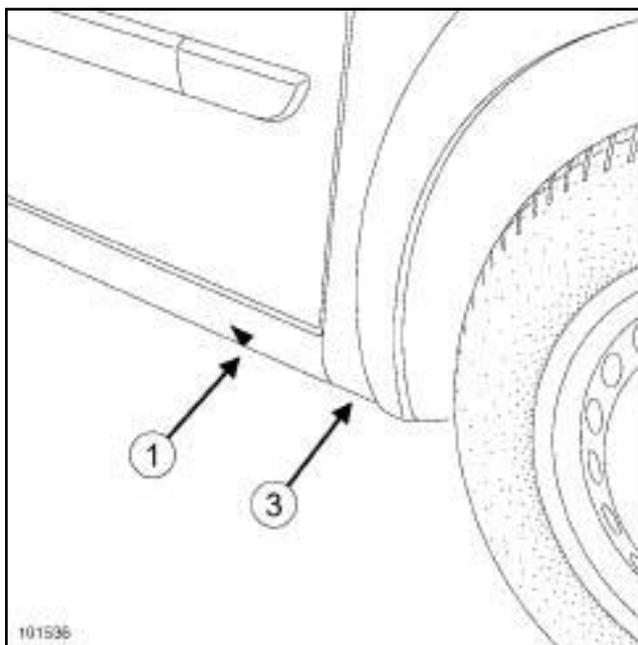
If a trolley jack is used, appropriate axle stands must always be used.

Vehicle: Towing and lifting

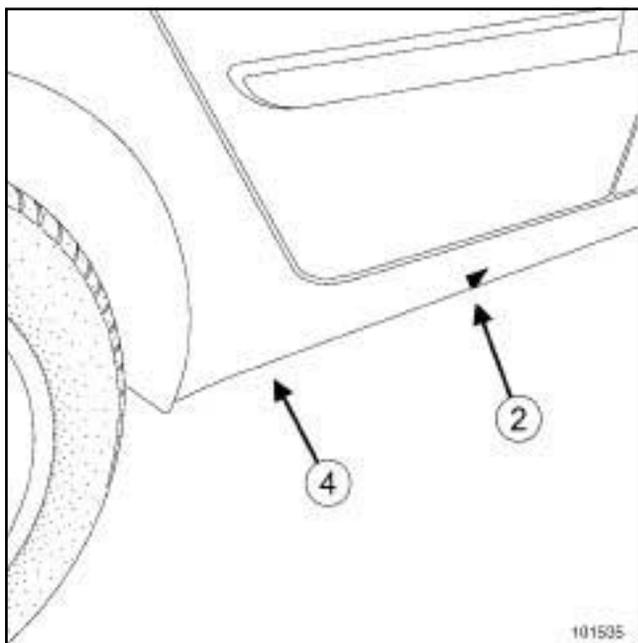
B84 or C84

WARNING

- The sub-frame of this vehicle is protected by products providing a **12-year** anti-perforation warranty.
- To avoid the direct metal to metal contact which could damage the protection originally applied, never use equipment which is not fitted with rubber pads.
- The vehicle must not be lifted by placing the jack beneath the front suspension arm or under the rear axle.



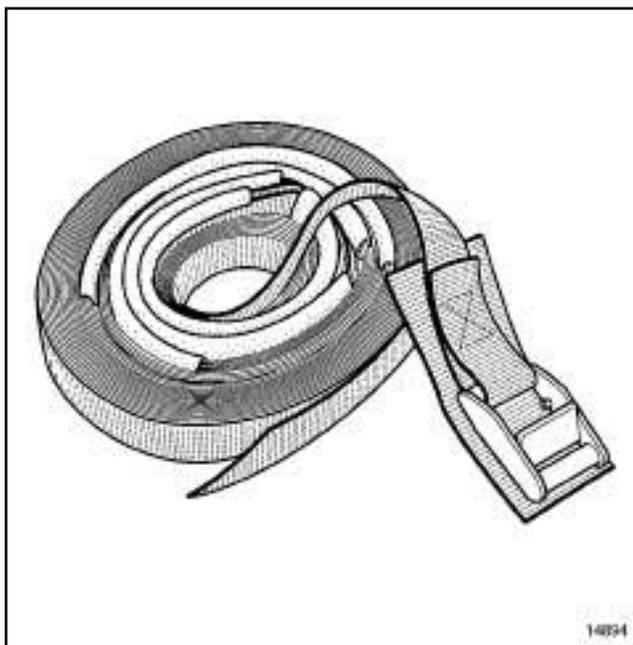
101536



101535

To raise a front or rear wheel, place the jack at (1) or (2) .

To mount the vehicle on axle stands, the entire vehicle must be lifted on one side and axle stands must be placed under the body reinforcements which are used as jacking points at (3) or (4) .

III - LIFTING ON A LIFT**1 - Safety advice reminder**

14894

If it is necessary to remove heavy components from the vehicle, it is preferable to use a four post lift.

There is a danger that the vehicle will tilt on a two-post lift after certain components have been removed (e.g. engine and transmission assembly, rear axle, gear-box). Fit the **(safety belt)** available from the **Parts Department** .

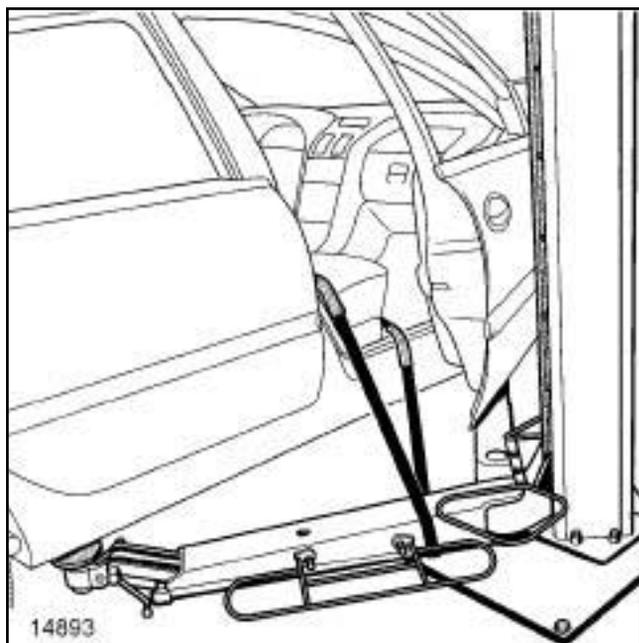
LIFTING

Vehicle: Towing and lifting

02A

B84 or C84

2 - Fitting the straps



14893

For safety reasons, these straps must always be in perfect condition. Replace them as soon as they show signs of wear.

When fitting the straps, check that the seats and fragile parts of the vehicle are correctly protected.

a - Tilting towards the front

- Place the strap under the rear right-hand arm of the lift.
- Pass the strap through the inside of the vehicle.
- Pass the strap under the rear left-hand arm of the lift.
- Pass the strap through the inside of the vehicle again.
- Tighten the strap.

b - Tilting towards the rear

- Place the strap under the front right-hand arm of the lift.
- Pass the strap through the inside of the vehicle.
- Pass the strap under the front left-hand arm of the lift.
- Pass the strap through the inside of the vehicle again.
- Tighten the strap.

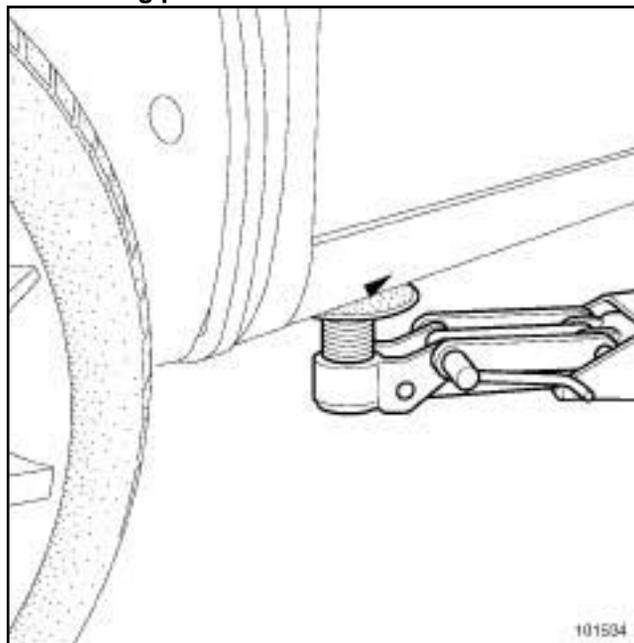
3 - Permitted lifting points

To raise the vehicle, position the pads of the lift arms as indicated below taking care not to damage the end of the front wing or the underside of the sill panel.

IMPORTANT

Only the lifting points described in this section allow the vehicle to be raised in complete safety. Do not raise the vehicle using points other than those described in this section.

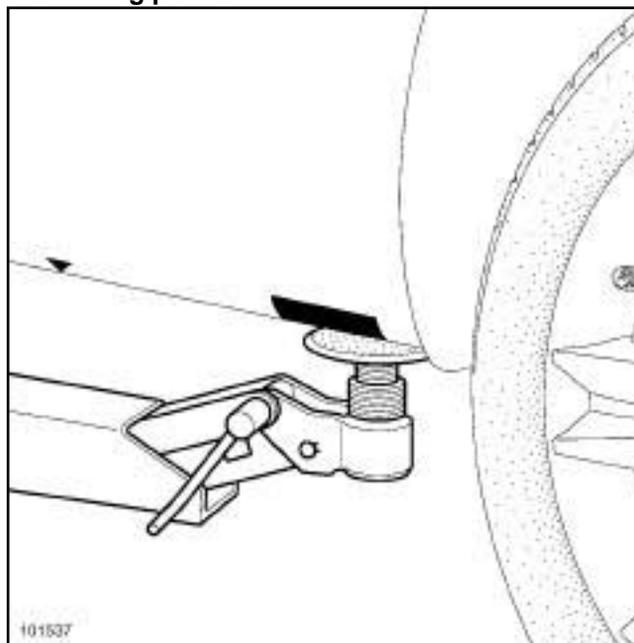
Front lifting points



101534

101534

Rear lifting points



101537

101537

LIFTING
Vehicle: Towing and lifting

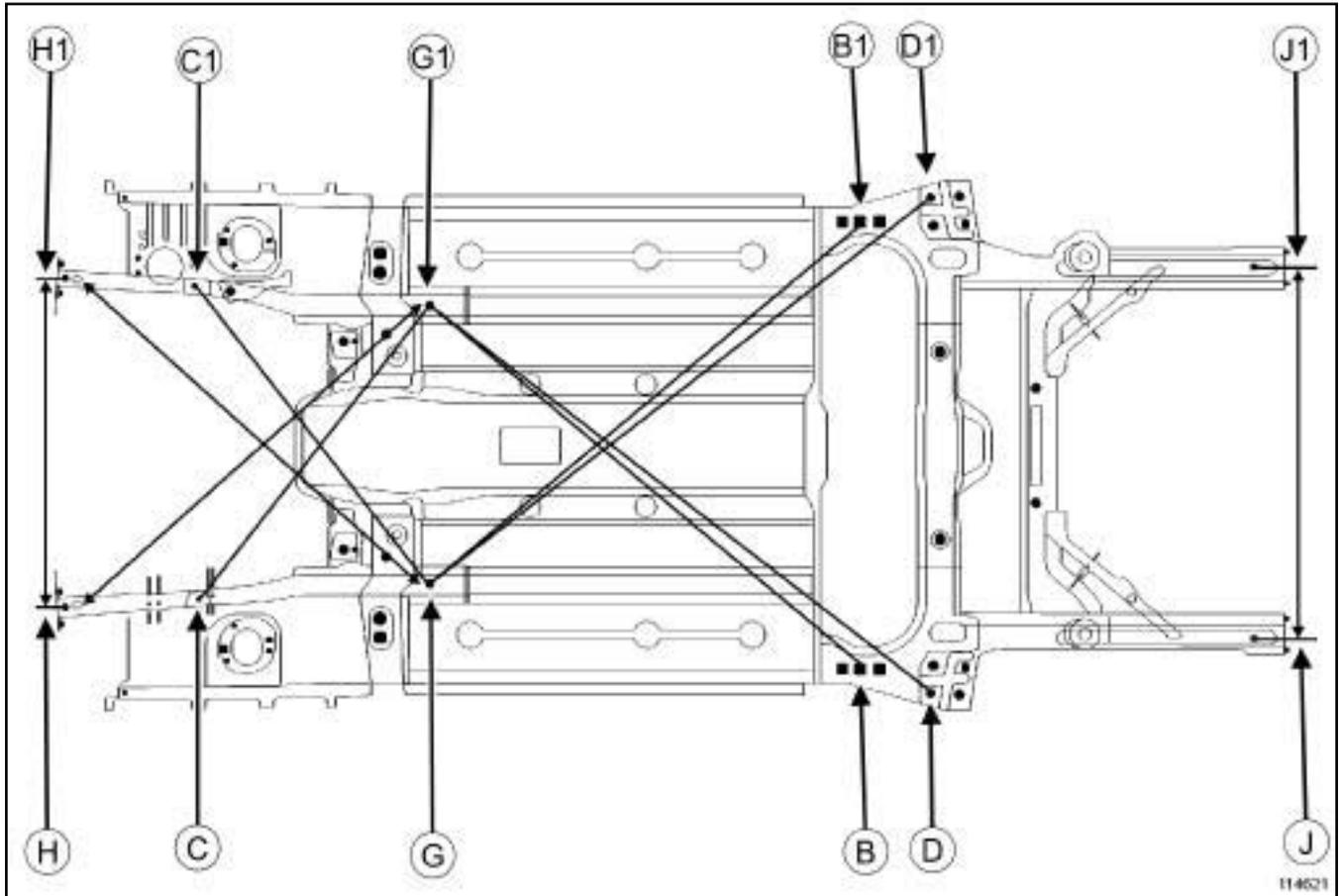
02A

B84 or C84

Damaged vehicle: Collision fault finding

B84 or C84

CHECKING THE SUBFRAME



114621

□

Chronological order of checks:

- FRONTAL impact
 - 1: $(B) - (G1) = (B1) - (G)$
 - 2: $(G1) - (C) = (G) - (C1)$
 - 3: $(G1) - (H) = 1391 \text{ mm}$
 - 4: $(G) - (H1) = 968 \text{ mm}$
- REAR impact
 - 1: $(G) - (B1) = (G1) - (B)$
 - 2: $(G) - (D1) = (G1) - (D)$
 - 3: $(H) - (H1) = 968 \text{ mm}$
 - 4: $(J) - (J1) = 1102 \text{ mm}$

Note:

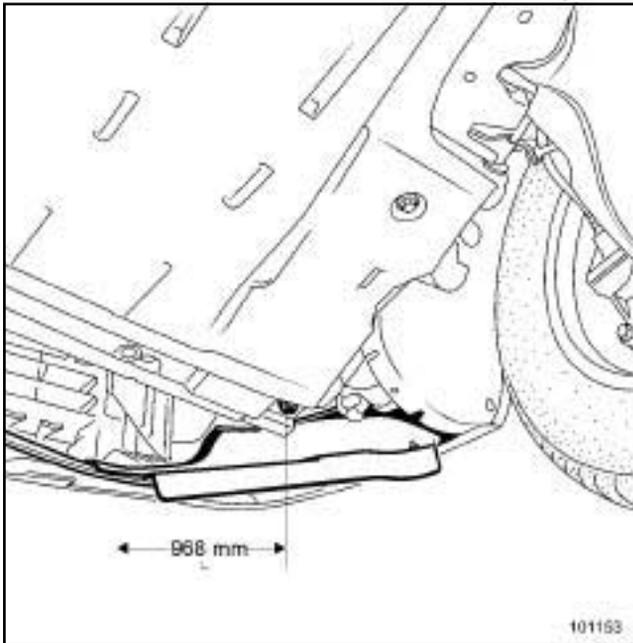
The front and rear end points are not symmetrical; to check them, measure the centre-to-centre distance of these points.

Damaged vehicle: Collision fault finding

B84 or C84

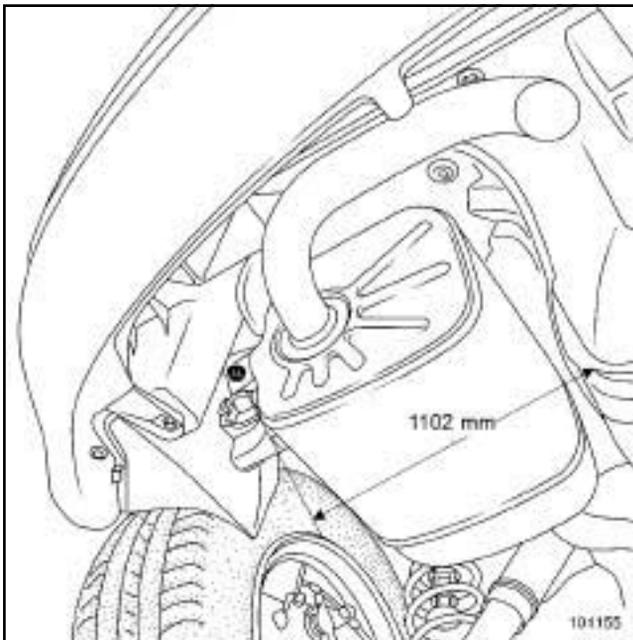
Detailed view of inspection points

Points H, H1 Front side member front leader pin.



101153

Points J, J1.

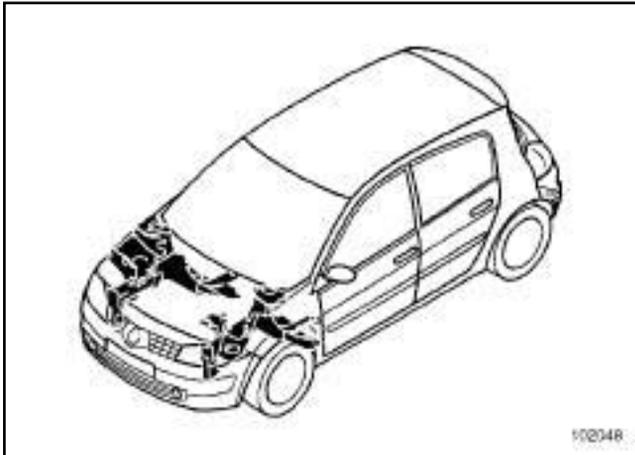


101155

□

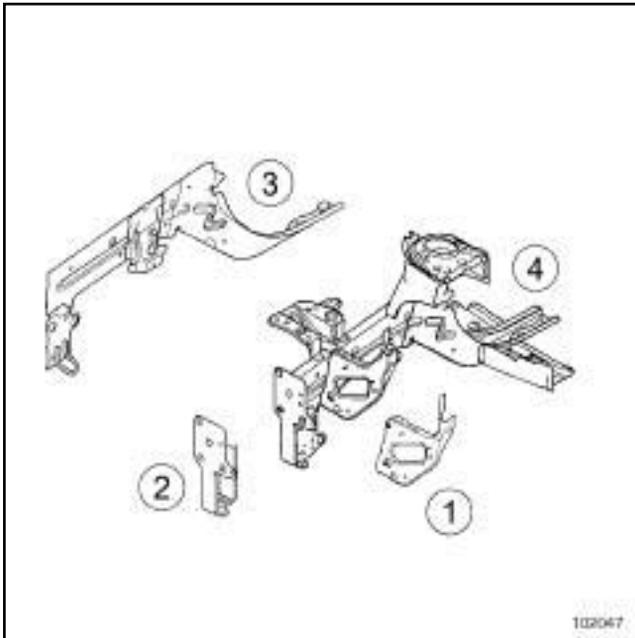
Vehicle damaged at front: Description

B84 or C84



102048

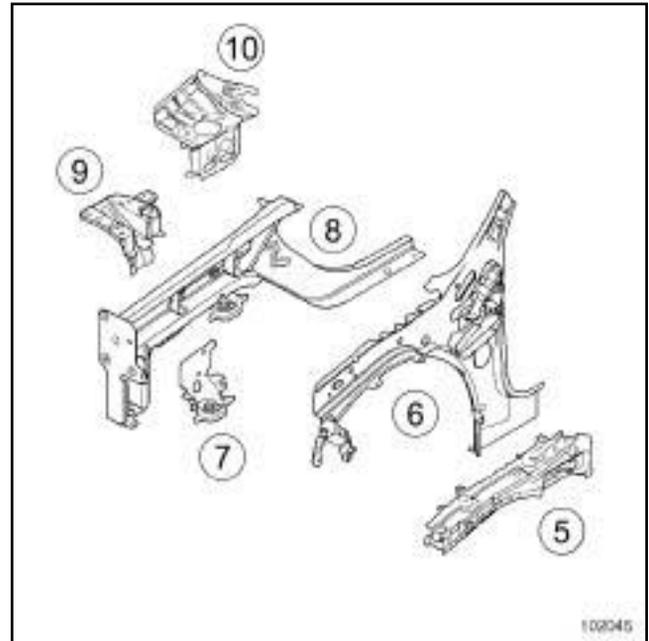
1stdegree



102047

- (1) Front end side cross member
- (2) Radiator cross member mounting
- (3) Front side member closure panel
- (4) Front half unit

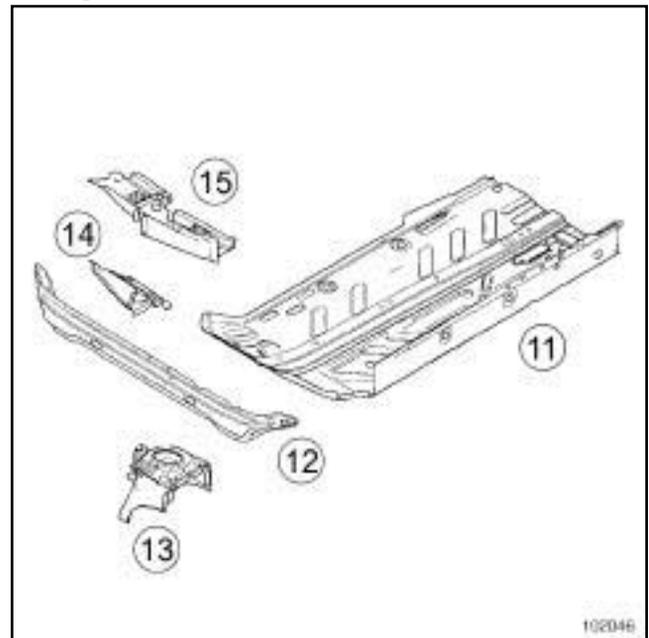
2nddegree



102045

- (5) Scuttle side panel upper reinforcement
- (6) Scuttle side panel
- (7) Front sub-frame assembly mounting unit
- (8) Front section of front side member
- (9) Battery tray mounting
- (10) Engine mounting

3rddegree



102046

- (11) Centre floor
- (12) Bulkhead lower cross member

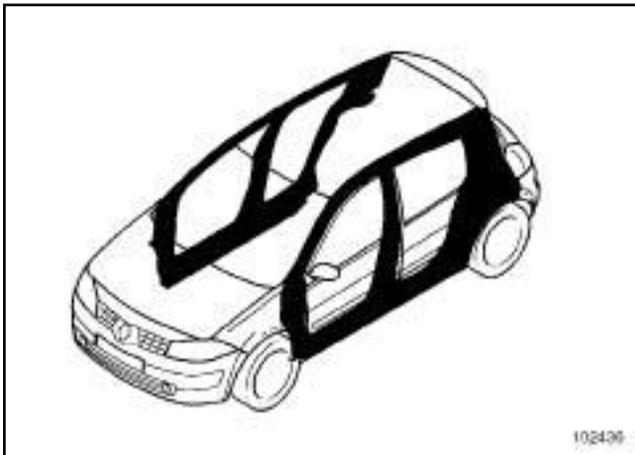
Vehicle damaged at front: Description

B84 or C84

- (13) Wheel arch
- (14) Front sub-frame rear mounting unit.
- (15) Centre floor front side cross member

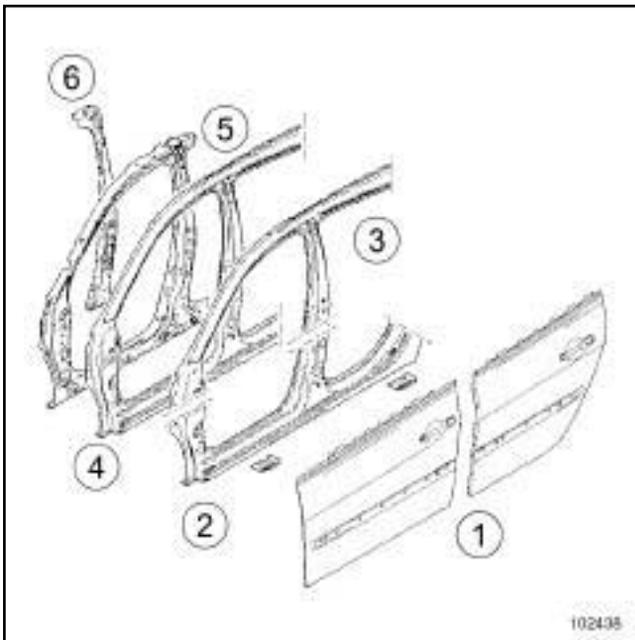
Vehicle damaged at side: Description

B84 or C84



102436

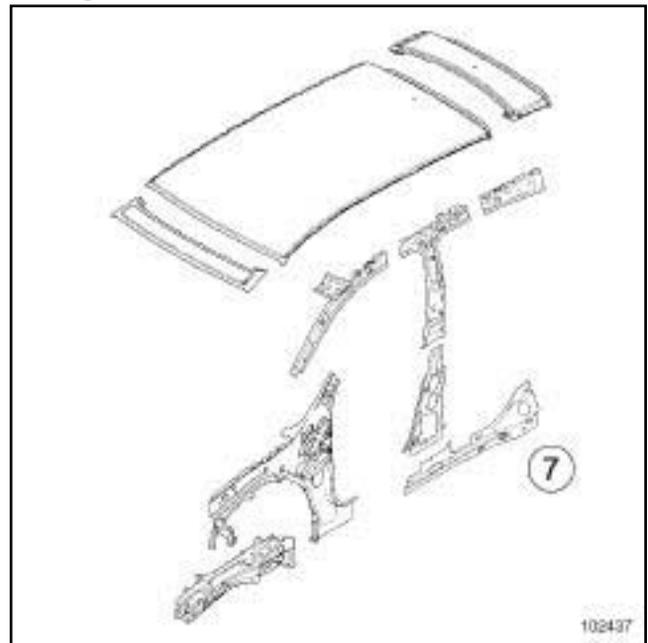
1stdegree



102438

- (1) Front door panel*
- (2) Sill panel*
- (3) Upper body panel*
- (4) Body side front section*
- (5) Body side front section reinforcement
- (6) B-pillar

2nddegree



102437

- (7) Rear inner sill panel*

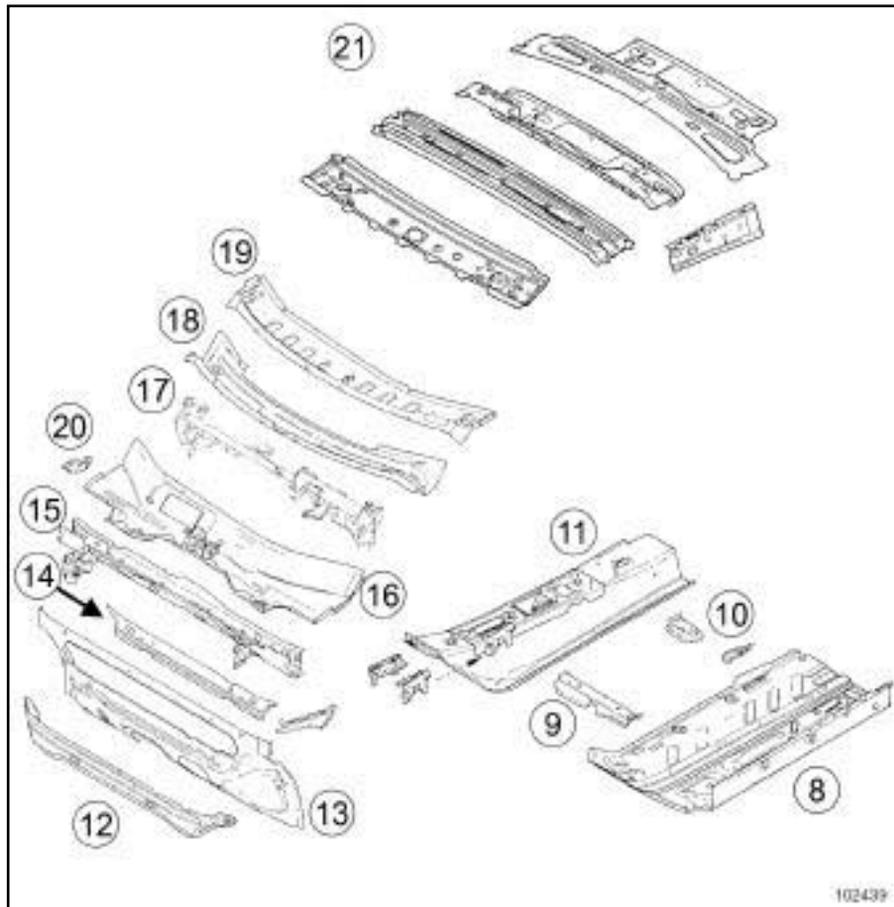
Note:

The parts marked with an asterisk are different on **3-door versions** but do not change the part combinations for impacts.

Vehicle damaged at side: Description

B84 or C84

3rd degree

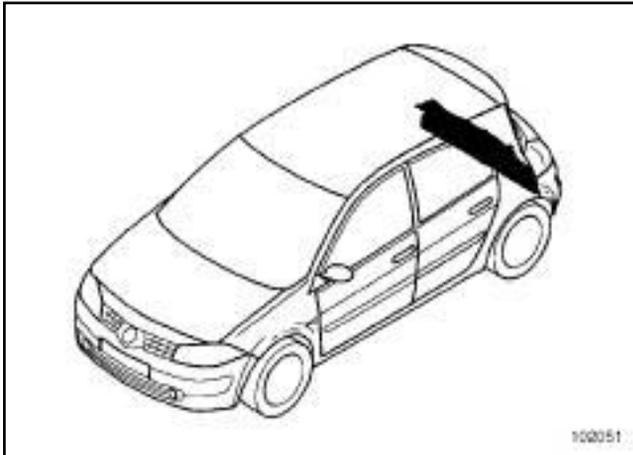


102439

102439

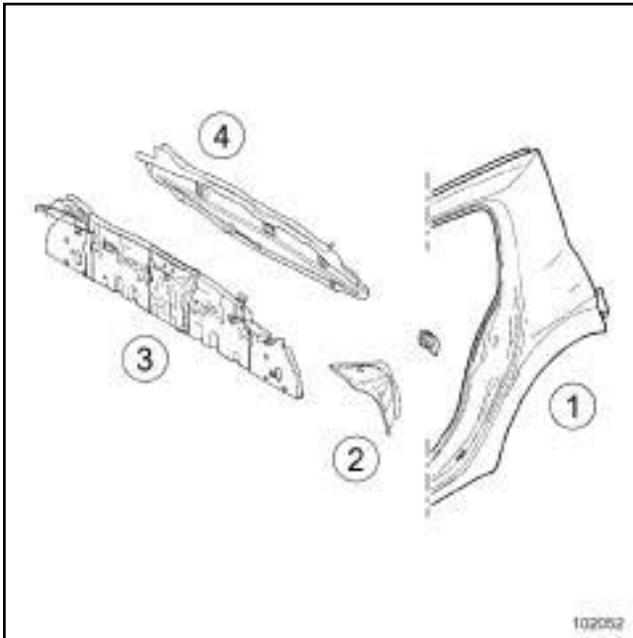
- (8) Centre floor side section
- (9) Front cross member under front seat
- (10) Front seat rear mounting unit
- (11) Tunnel
- (12) Bulkhead lower cross member
- (13) Bulkhead
- (14) Bulkhead reinforcement
- (15) Bulkhead upper cross member
- (16) Plenum chamber
- (17) Dashboard cross member
- (18) Windscreen aperture lower cross member
- (19) Windscreen aperture lower cross member closure panel
- (20) Windscreen wiper mounting
- (21) Roof cross members

B84 or C84



102051

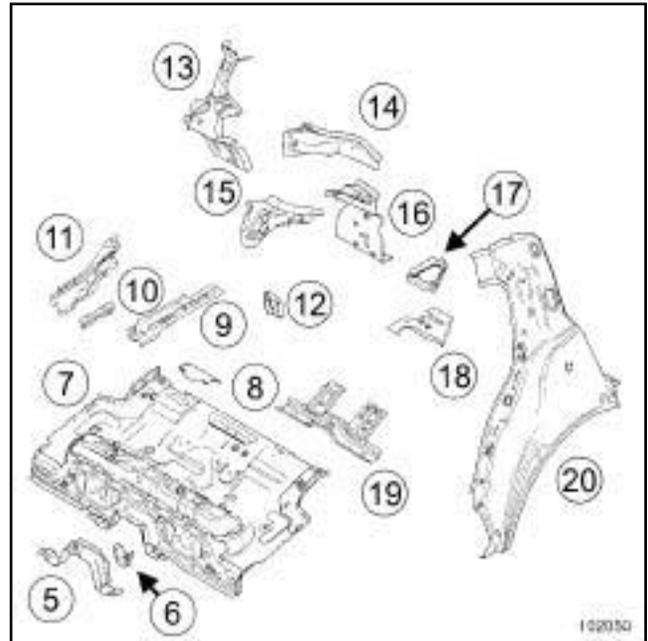
1stdegree



102052

- (1) Rear wing panel*
- (2) Rear wheel arch extension*
- (3) Rear end panel assembly
- (4) Rear end panel

2nddegree



102050

- (5) Exhaust mounting bracket
- (6) Tank mounting bracket
- (7) Rear floor front section
- (8) Fuel sender closure panel
- (9) Rear side member closure panel
- (10) Sill panel reinforcement stiffener
- (11) Sill panel rear reinforcement
- (12) Impact cross member mounting reinforcement
- (13) Rear wing panel rain channel
- (14) Rear light mounting
- (15) Light mounting lining
- (16) Rear end panel side lining
- (17) Part no longer sold either separately or as part of an assembly
- (18) End rear lower cross member side section
- (19) Rear floor front cross member centre section
- (20) Quarter panel lining

Note:

The parts marked with an asterisk are different on **3-door versions** but do not change the part combinations for impacts.

Vehicle damaged at rear: Description

B84 or C84

3rd degree



102049

- (21) Quarter panel lining*
- (22) Rear floor centre cross member
- (23) Rear side member
- (24) Rear side member closure panel
- (25) Inner rear wheel arch
- (26) Rear wheel arch closure panel*
- (27) Quarter panel reinforcement

Note

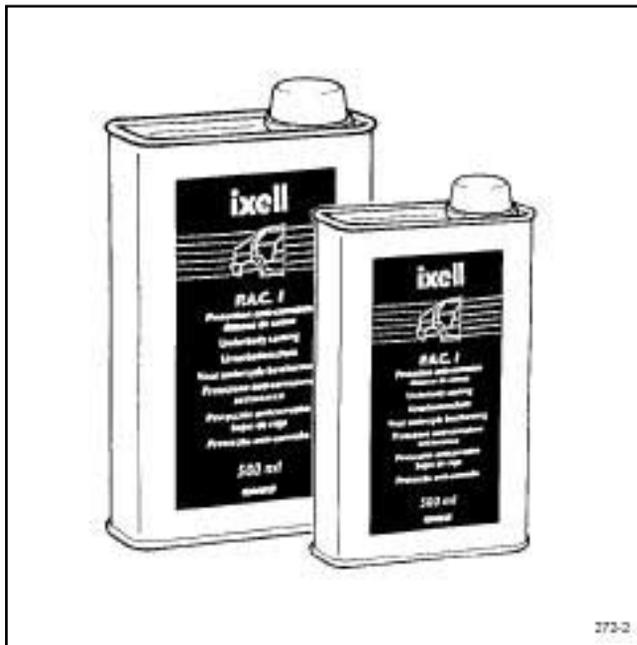
The parts marked with an asterisk are different on **3-door versions** but do not change the part combinations for impacts.

Anti-corrosion protection product Description

B84 or C84

REMINDER:

The hollow body parts of the structure of the vehicle are protected in the factory by injecting hot wax. To guarantee equivalent protection after repair, inject one after the other the two complementary products which make up a « PAC1, PAC2 » kit.

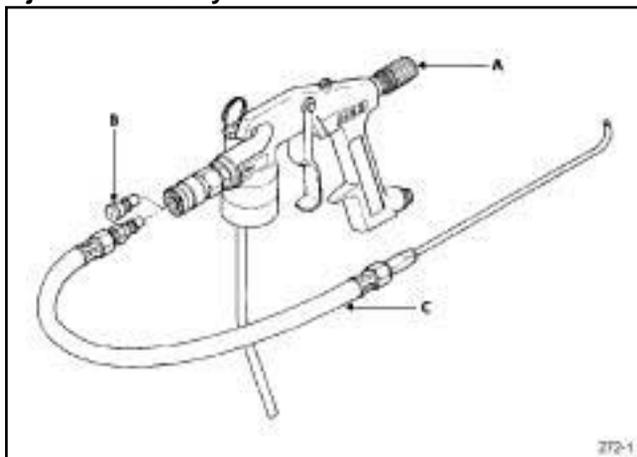


272-2

After injection, all the orifices must be covered using blanking covers moulded to fit each one.

The products and equipment required for carrying out this work are available from the **Parts Department** :

Injector assembly



272-1

The necessary information concerning blanking covers can be found in the **Parts Catalogue** for the vehicle.

The subframe under the floor is protected with a special wax:

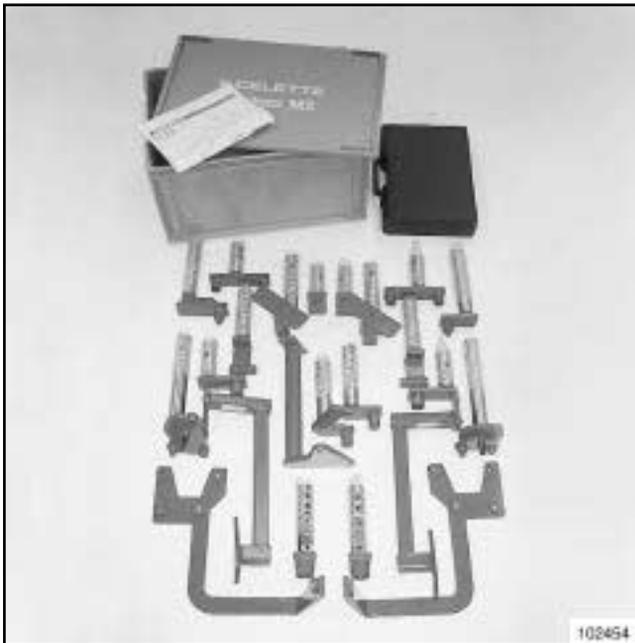


272

272

Body jig bench: Description

B84 or C84



102454

CELETTE

Special heads for the **MZ System**

Order from: CELETTE S.A B.A.9 38026 VIENNA

Complete assembly for the MEGANE: 896.300

BLACKHAWK

Special heads for the **MS System**

Order from: BLACKHAWK centre Eurofret Rue de Rheinfeld 67100 STRASBOURG.

Complete assembly for the MEGANE: REN-88 835

Note:

This equipment is only available to order.

CELETTE BODY JIG BENCH ANCHORING KIT

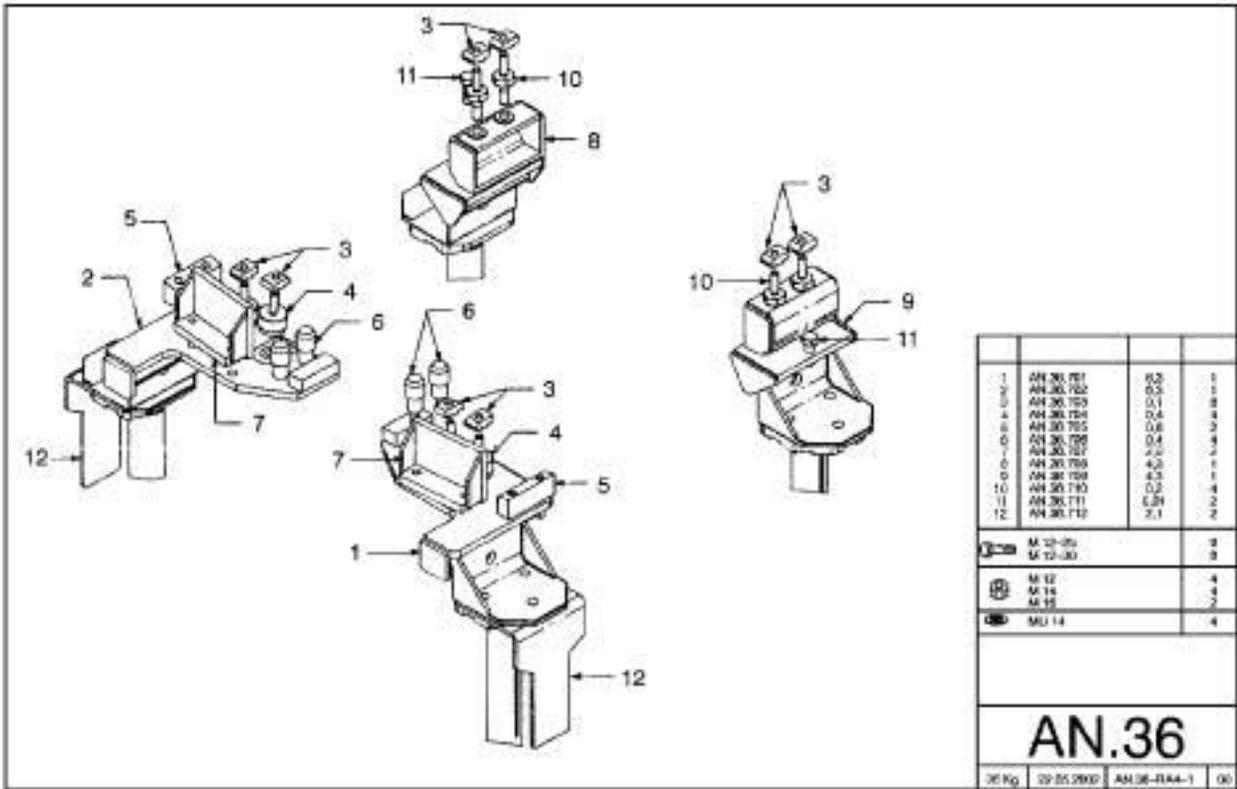


102455

Supplier's part number: **AN.36**

Body jig bench: Description

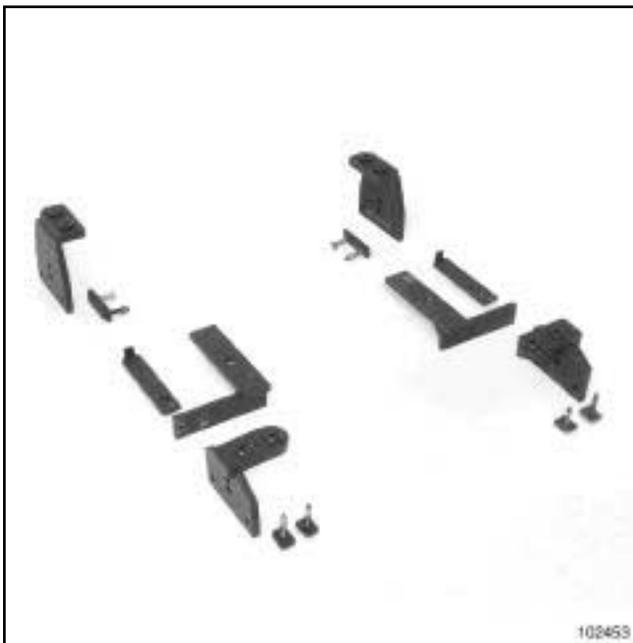
B84 or C84



102511

102511

BLACKHAWK BODY JIG BENCH ANCHOR KIT



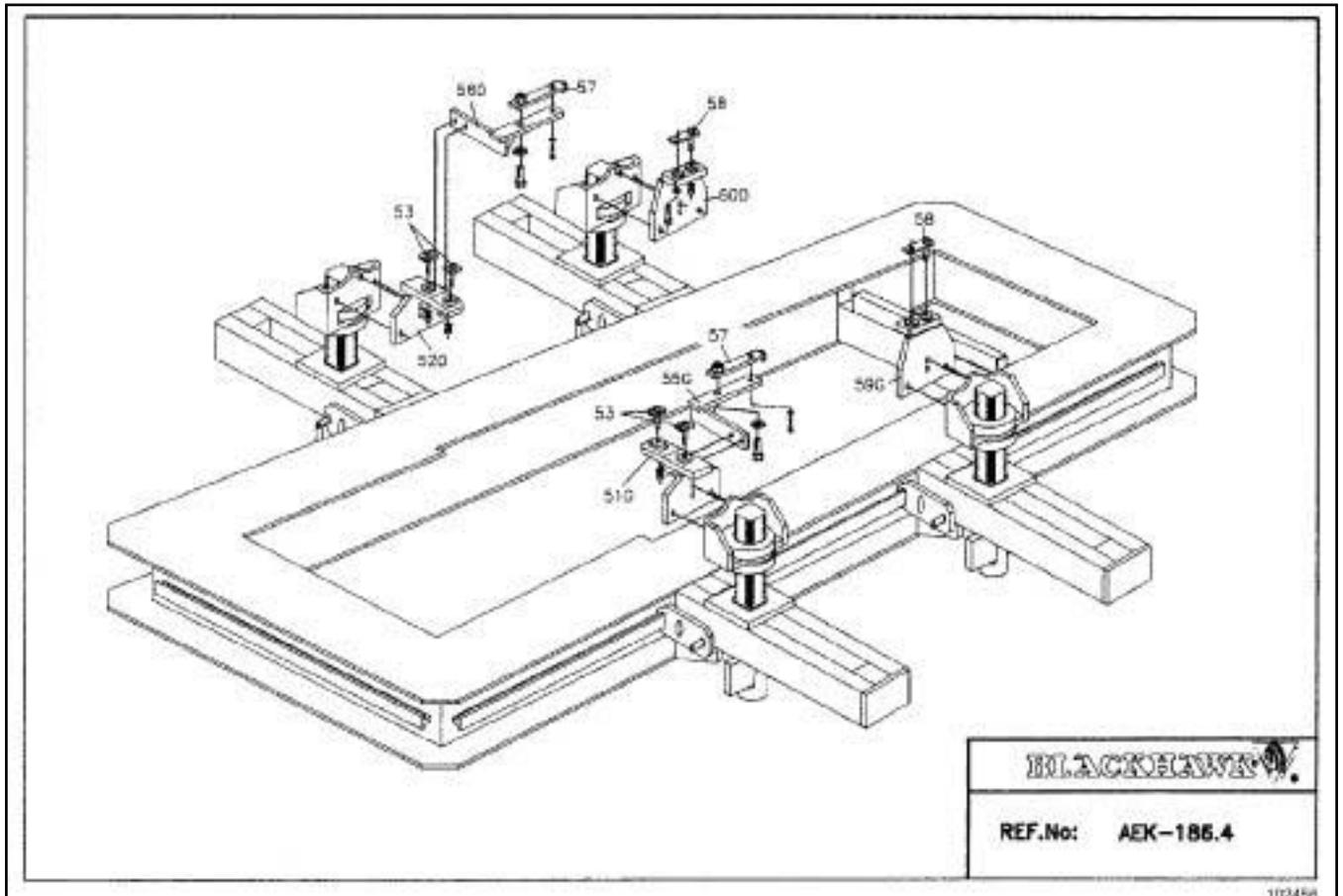
102453

102453

Supplier's part number: **AEK-186.4**

Body jig bench: Description

B84 or C84

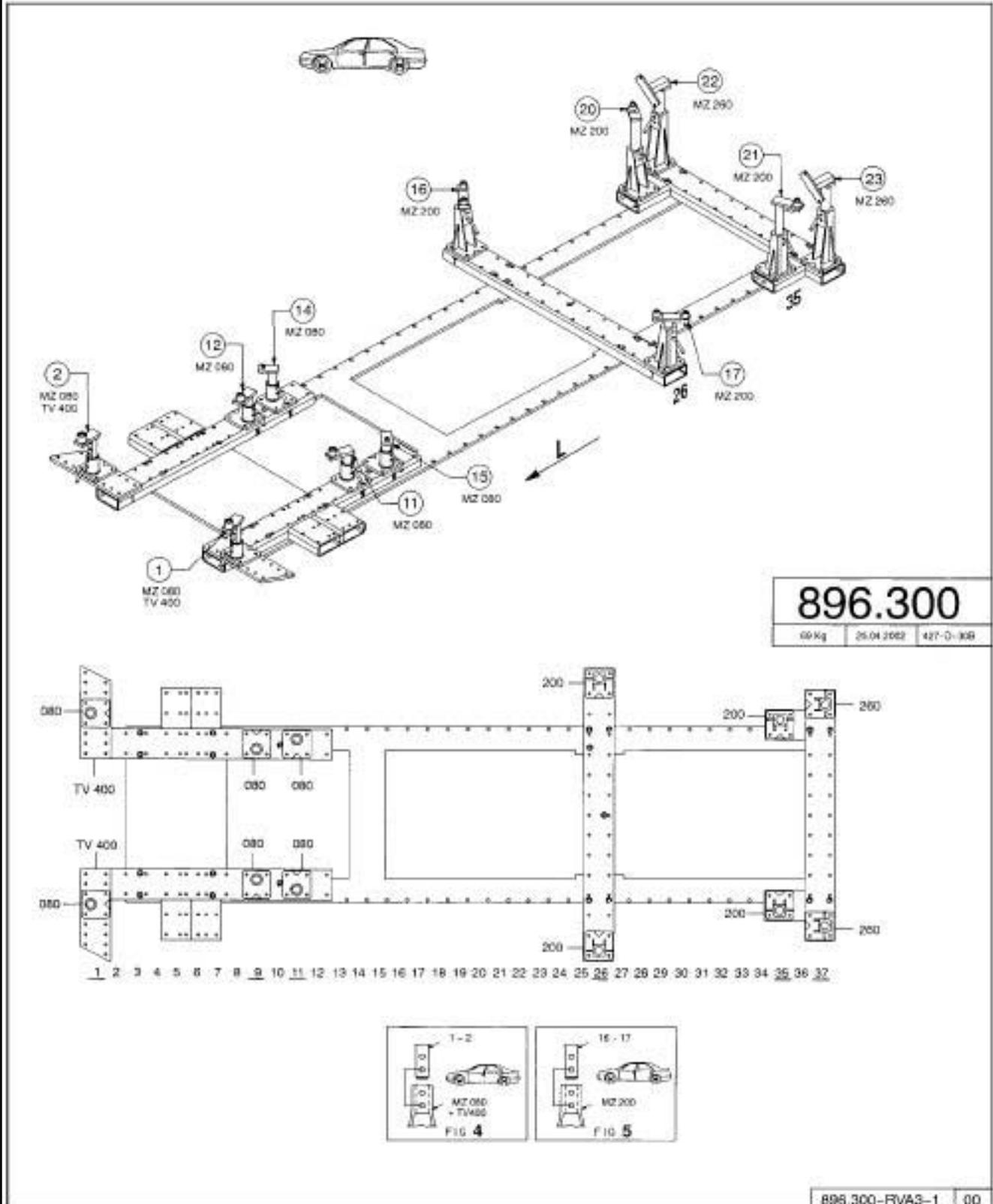


102456

Body jig bench: Description

B84 or C84

CELETTE



896.300-RVA3-1 00

B84 or C84

102457

Body jig bench: Description

B84 or C84

CELETTE

1	886 7001	2,8	1	860
2	886 7002	2,2	1	860
3	886 7003	3,0	1	860
4	886 7004	2,0	1	860
5	886 7005	2,2	1	860
6	886 7006	2,0	1	860
7	886 7007	2,0	1	860
8	886 7008	2,2	1	860
9	886 7009	2,2	1	860
10	886 7010	2,2	1	860
11	886 7011	2,2	1	860
12	886 7012	2,2	1	860
13	886 7013	2,2	1	860
14	886 7014	1,7	1	860
15	886 7015	1,7	1	860
16	886 7016	2,1	1	860
17	886 7017	2,1	1	860
18	886 7018	2,1	1	860
19	886 7019	2,1	1	860
20	886 7020	2,1	1	860
21	886 7021	2,1	1	860
22	886 7022	2,1	1	860
23	886 7023	2,1	1	860
24	886 7024	2,1	1	860
25	886 7025	2,1	1	860
26	886 7026	2,1	1	860
27	886 7027	2,1	1	860
28	886 7028	2,1	1	860
29	886 7029	2,1	1	860
30	886 7030	2,1	1	860
31	886 7031	2,1	1	860
32	886 7032	2,1	1	860
33	886 7033	2,1	1	860
34	886 7034	2,1	1	860
35	886 7035	2,1	1	860
36	886 7036	2,1	1	860
37	V32	0,1	2	860
M 6-25				2
M 6-20				4
M 10-25				2
M 10-20				4
M 12-25				2
M 12-20				4
M 12-15				2
M 12-10				4
M 12				2
M 12				2
M 12				2
896.300				
60 Kg	25.04.2009	407-C-00A		

1 2 3 4 6 8 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

FIG 1: MZ 090 + TV 400

FIG 2: MZ 090

FIG 3: V32

FIG 4: V32

26

896.300-TV42-1 00

B84 or C84

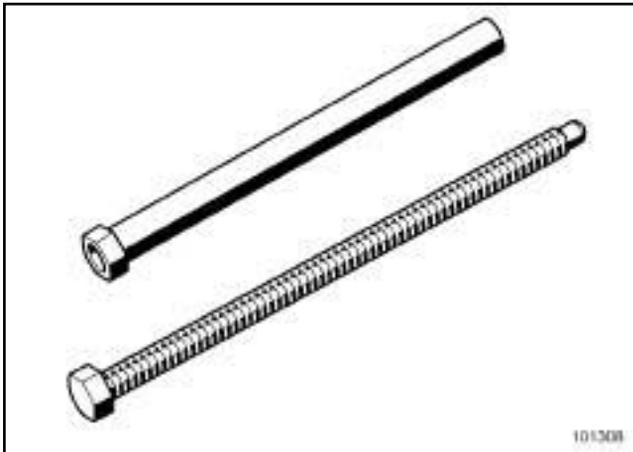
102458

Special tooling: Description

B84 or C84

Special tooling required	
Car. 1673	Dashboard beam play compensation pin repositioning bolts
Car. 1670	Dashboard protector
Car. 1679	Pliers for front seat height adjuster springs
Car. 1504	Tool for fitting crimped type nuts into body panels.

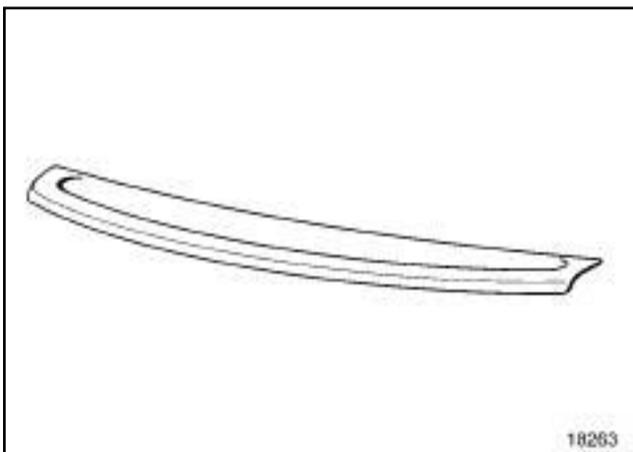
I - TOOL FOR REMOVING THE DASHBOARD CROSS MEMBER



101308

(Car. 1673)

II - DASHBOARD PROTECTOR

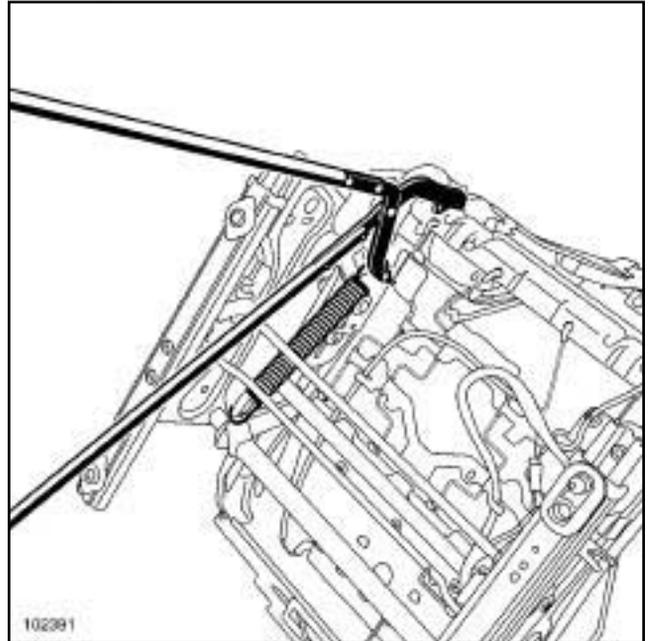


18263

(Car. 1670)

III - PLIERS FOR REBUILDING THE SEAT FRAME

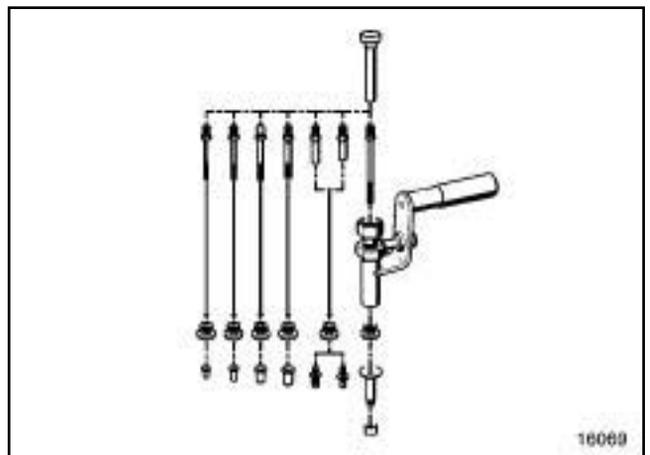
Tool in position on vehicle



102391

(Car. 1679)

IV - CAPTIVE NUT TOOL



16069

(Car. 1504)

Bodywork equipment: Description

B84 or C84

I - THREAD REPAIR KIT

Part number: **HC TYPE 41 86 000 000**

Specific to **RENAULT**

Supplier: **BOLLHOFF - OTALU-SA**

Certification no.: 1000900

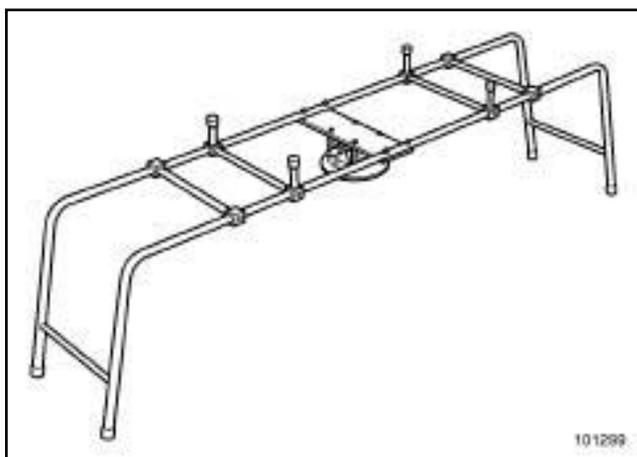


102330

II - SUCTION PAD FOR FITTING SUNROOF

Part number: **PARV 202** windscreen support

Part number: **APARV 200 ESP** sets of supports



101299