



0 Vehicle general information

01C VEHICLE SPECIFICATIONS - BODYWORK

03B IMPACT

04E PAINTWORK

05B EQUIPMENT AND TOOLS - BODYWORK

X90

APRIL 2004

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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L90 - Section 0

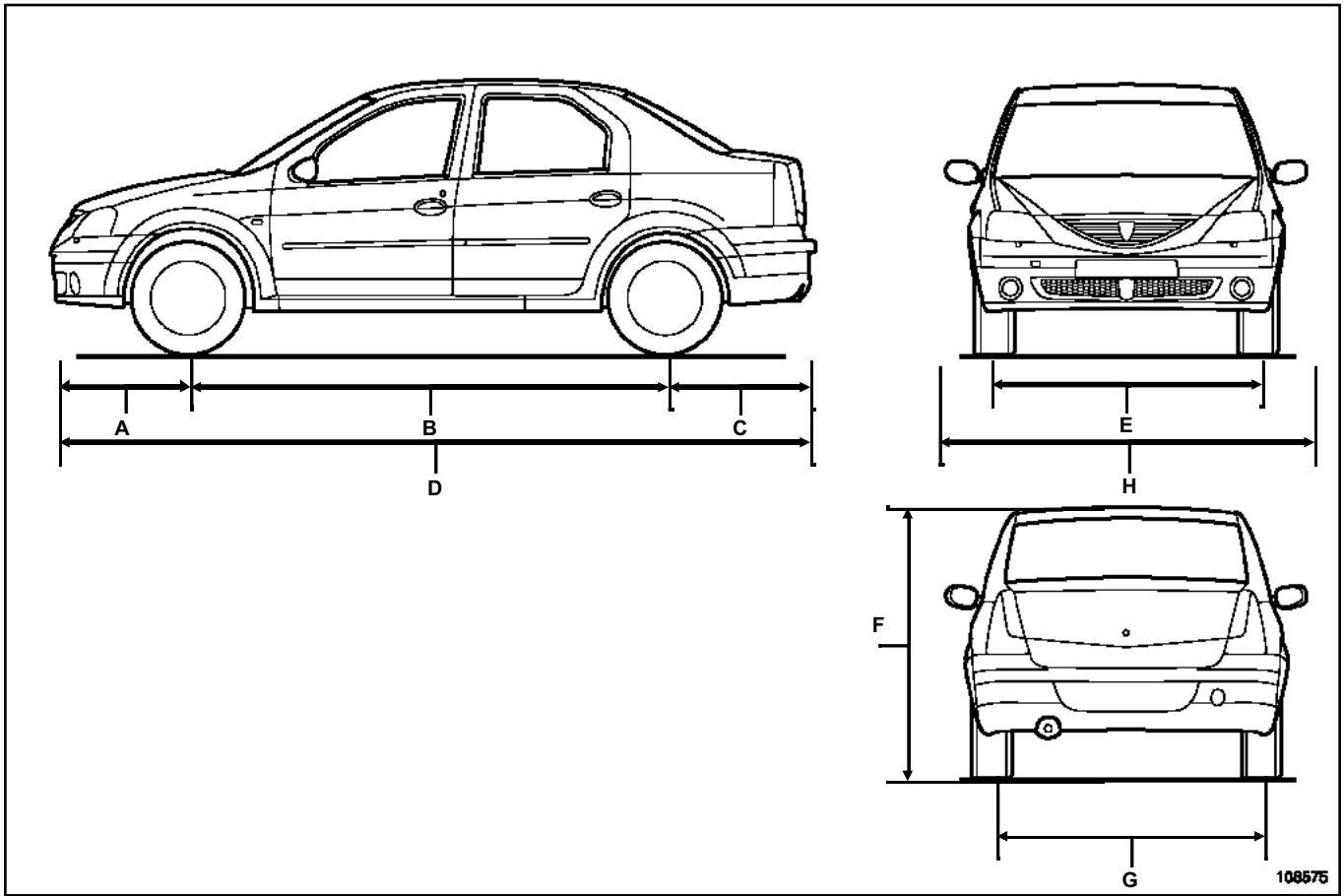
Contents

01C	VEHICLE SPECIFICATIONS - BODYWORK		05B	EQUIPMENT AND TOOLS - BODYWORK	
	Dimensions	01C-1		Special tooling	05B-3
	Engines - Gearboxes	01C-2		Structural bodywork material: Specifications	05B-5
	Two column lift: Safety	01C-3			
	Trolley jack - Axle stand	01C-5			
	Towing	01C-6			
	Identification	01C-7			
03B	IMPACT				
	Side impact: Parts description				
	Front impact: Parts description				
	Rear impact: Parts description				
	Collision: Fault finding				
	Safety components: Description				
04E	PAINTWORK				
	Anti-corrosion protection products after assembly: Use	04E-1			
05B	EQUIPMENT AND TOOLS - BODYWORK				
	Body jig bench: Description	05B-1			

VEHICLE SPECIFICATIONS - BODYWORK

Dimensions

01C



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Dimensions in metres	
(A)	0.774
(B)	2.630
(C)	0.843
(D)	4.247
(E)	1.480
(F)	1.534
(G)	1.470
(H)	1.740

VEHICLE SPECIFICATIONS - BODYWORK

Engines - Gearboxes

01C

Vehicle type	Engine		Gearbox
	Type	Cubic capacity (cc ³)	Type
LS0A	K7J 710	1390	JH1
LS0C			
LS0E			
LS0G			
LS0B	K7M 710	1598	JH3
LS0D			
LS0F			
LS0H			

VEHICLE IDENTIFICATION

Example:

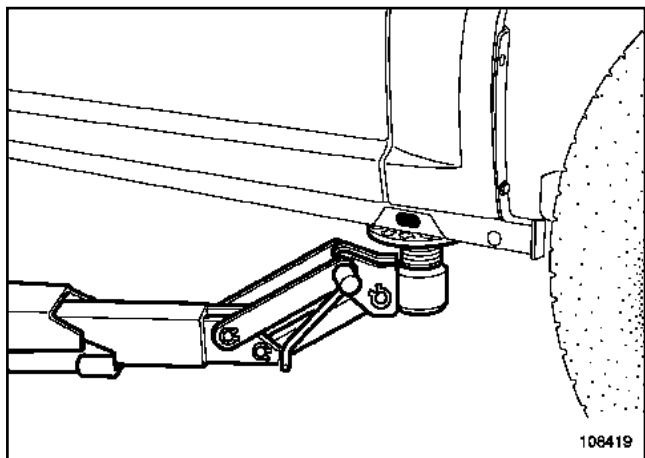
- LS0C

- L : Body type (saloon, 4 door),
- S: Project code,
- 0C : Engine suffix.

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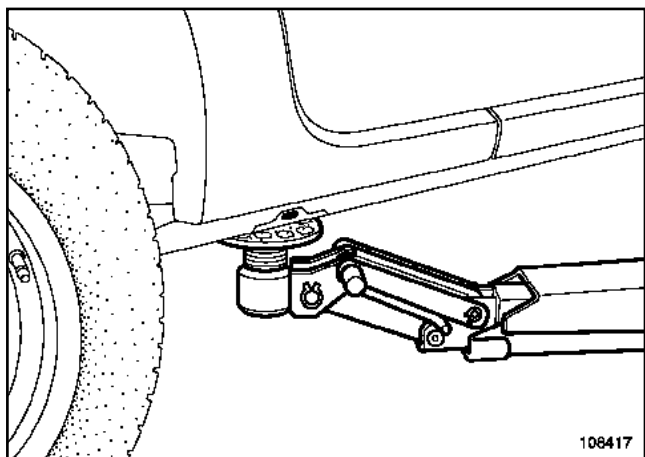
I - POSITIONING OF LIFTING ARMS

At the front



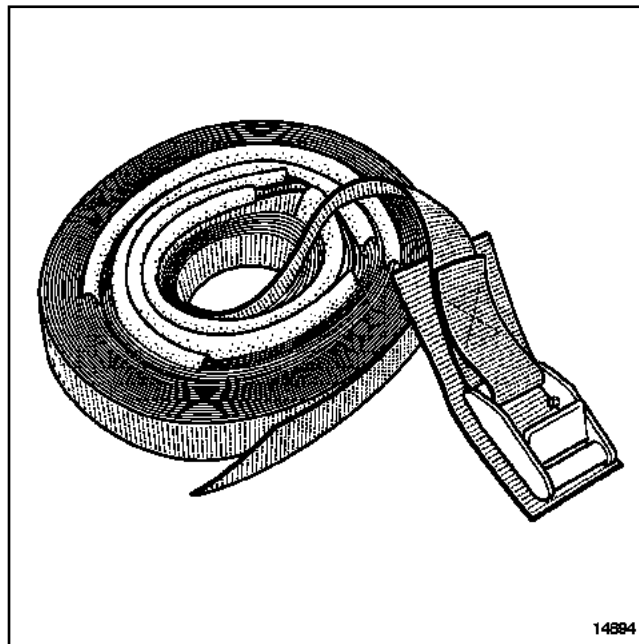
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At the rear



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II - SAFETY ADVICE



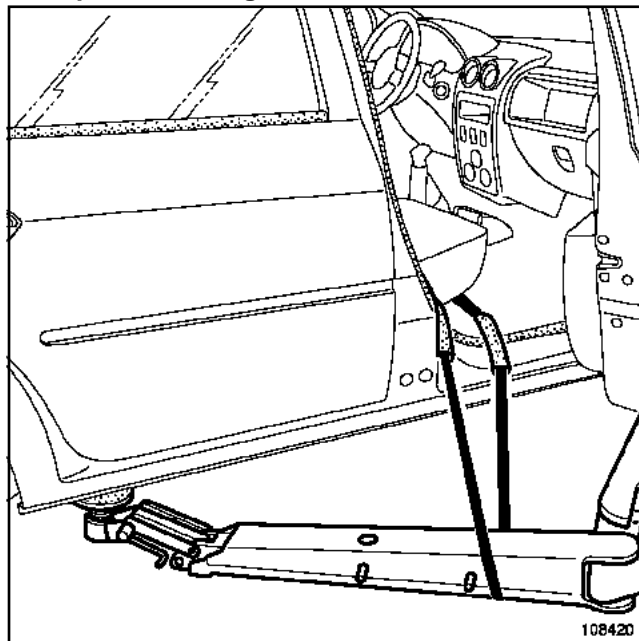
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If it is necessary to remove heavy components from the vehicle, it is preferable to use a four post lift.

After removing certain components (e.g. engine and transmission assembly, rear axle, fuel tank, etc.), there is a danger that the vehicle will tilt on a two post lift.

When the vehicle is raised on an underbody two post lift, fit **safety belt**, part no. **77 11 172 554** available from the Parts Department.

Example for lashing a vehicle at the front.



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For safety reasons, the straps must always be in perfect condition; replace them if they are damaged.

When fitting the straps, check that the protectors (for the seats and fragile parts of the vehicle) are properly positioned.

Thread the straps under the lift arms and loop them back through the vehicle.

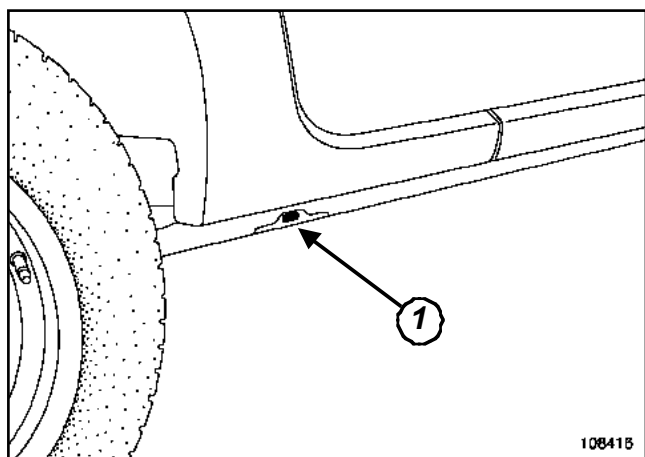
Do not overtighten the straps.

IMPORTANT

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

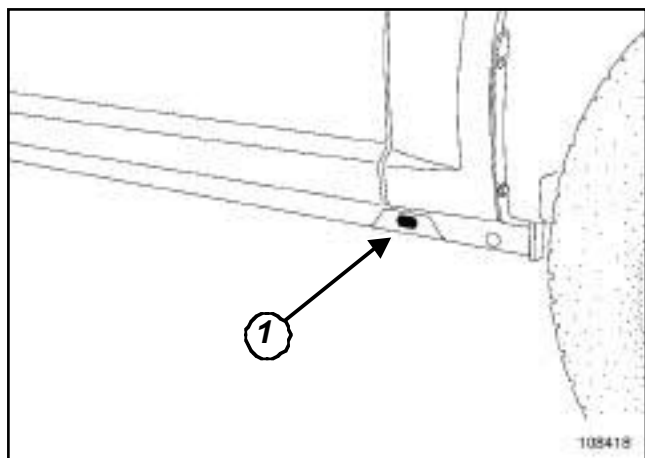
WARNING

- The subframe of this vehicle is protected by products providing a 6-year anti-perforation warranty.
- Always use equipment which is fitted with rubber pads, to avoid damage to the protection originally applied.
- The vehicle must not be raised by support points under the front suspension arms or under the rear axle.
- To raise a front or rear wheel, use the jack at **(1)**.



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To mount the vehicle on axle stands, the entire vehicle must be lifted on one side and axle stands must be placed under the jacking points for the tool kit jack **(1)**.

Towing

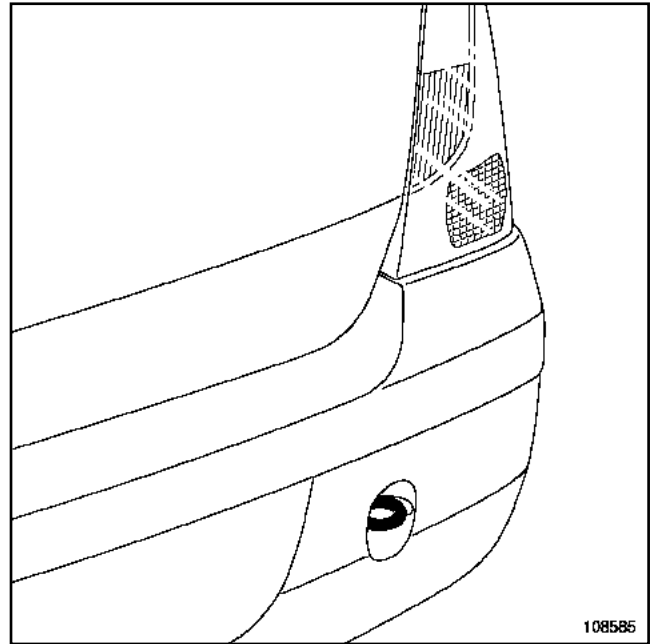
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WARNING

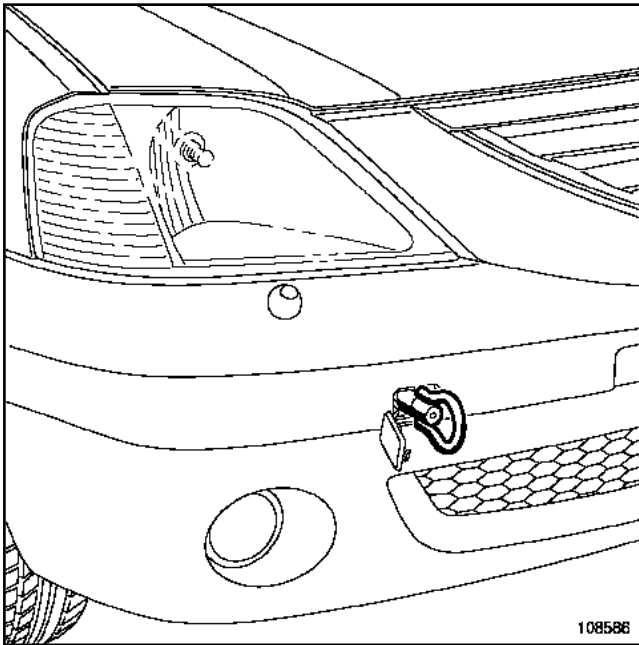
- Observe the national regulations concerning towing for the country you are in.
- Never use the drive shafts as attachment points.
- The towing points may only be used for towing on the road.
- Never use the towing points for removing the vehicle from a ditch or to lift the vehicle, either directly or indirectly.
- Screw in and lock the towing ring before towing.

Vehicles fitted with an automatic gearbox

- The vehicle should preferably be towed using a back-plate or by raising the front wheels. If this is impossible, 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).

II - REAR

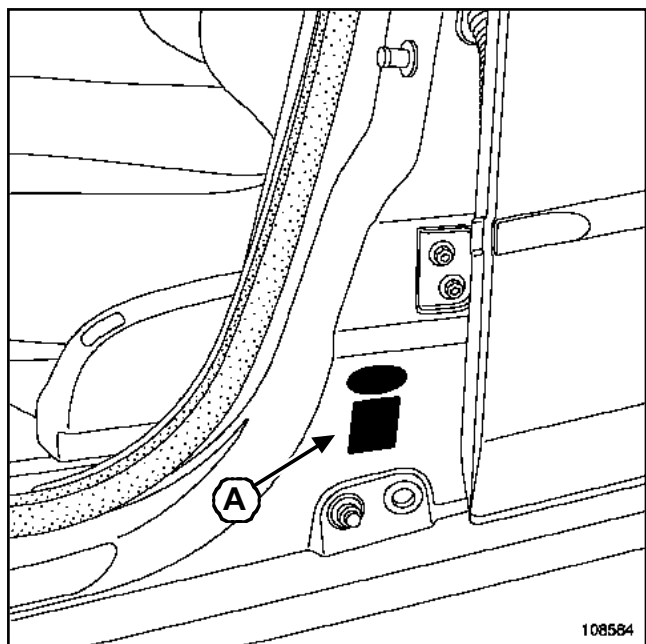
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I - FRONT

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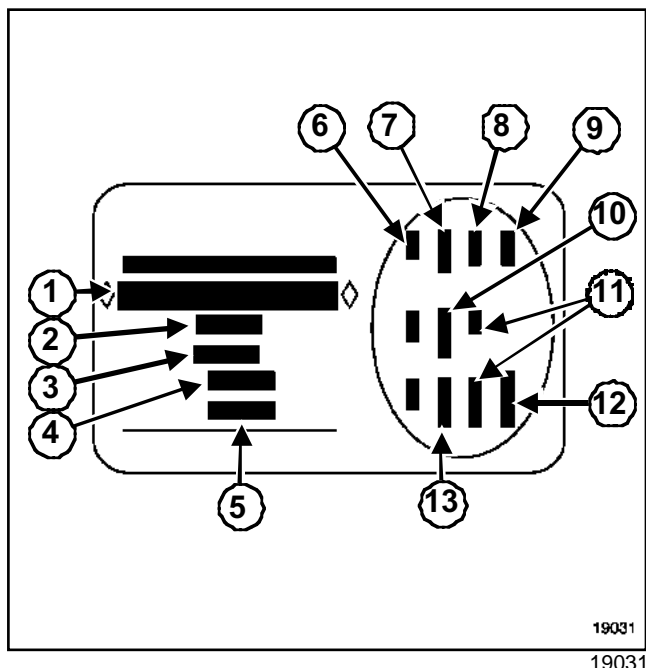
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I - LOCATION OF VEHICLE IDENTIFICATION PLATE



Left or right side depending on country.

Description of identification plate



(1) Vehicle type mine and type number; This information is repeated in the marking (B).

(2) MGVW (Maximum permissible all-up weight)

(3) GTW (Gross train weight - loaded vehicle with trailer)

(4) MGVW on front axle

(5) MGVW on rear axle

(6) Vehicle technical specifications

(7) Paintwork reference number

(8) Equipment level

(9) Vehicle type

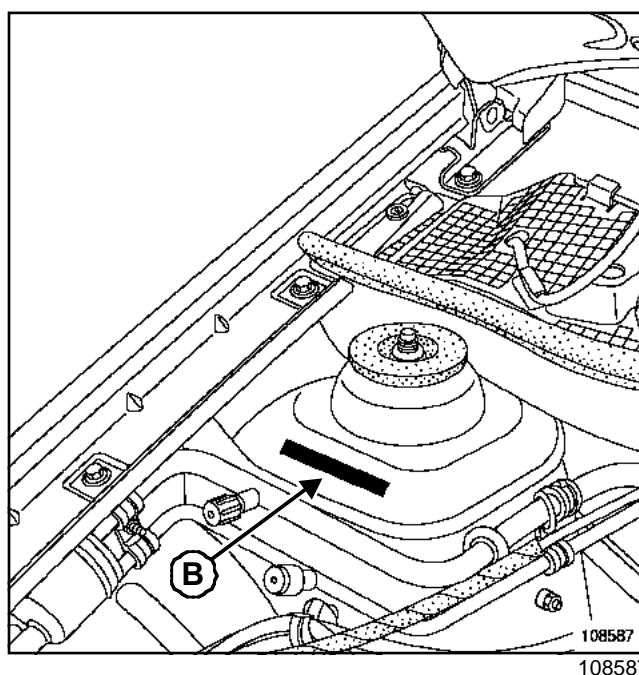
(10) Upholstery code

(11) Additional equipment details

(12) Fabrication number

(13) Interior trim code

II - COLD-MARKING OF THE BODY

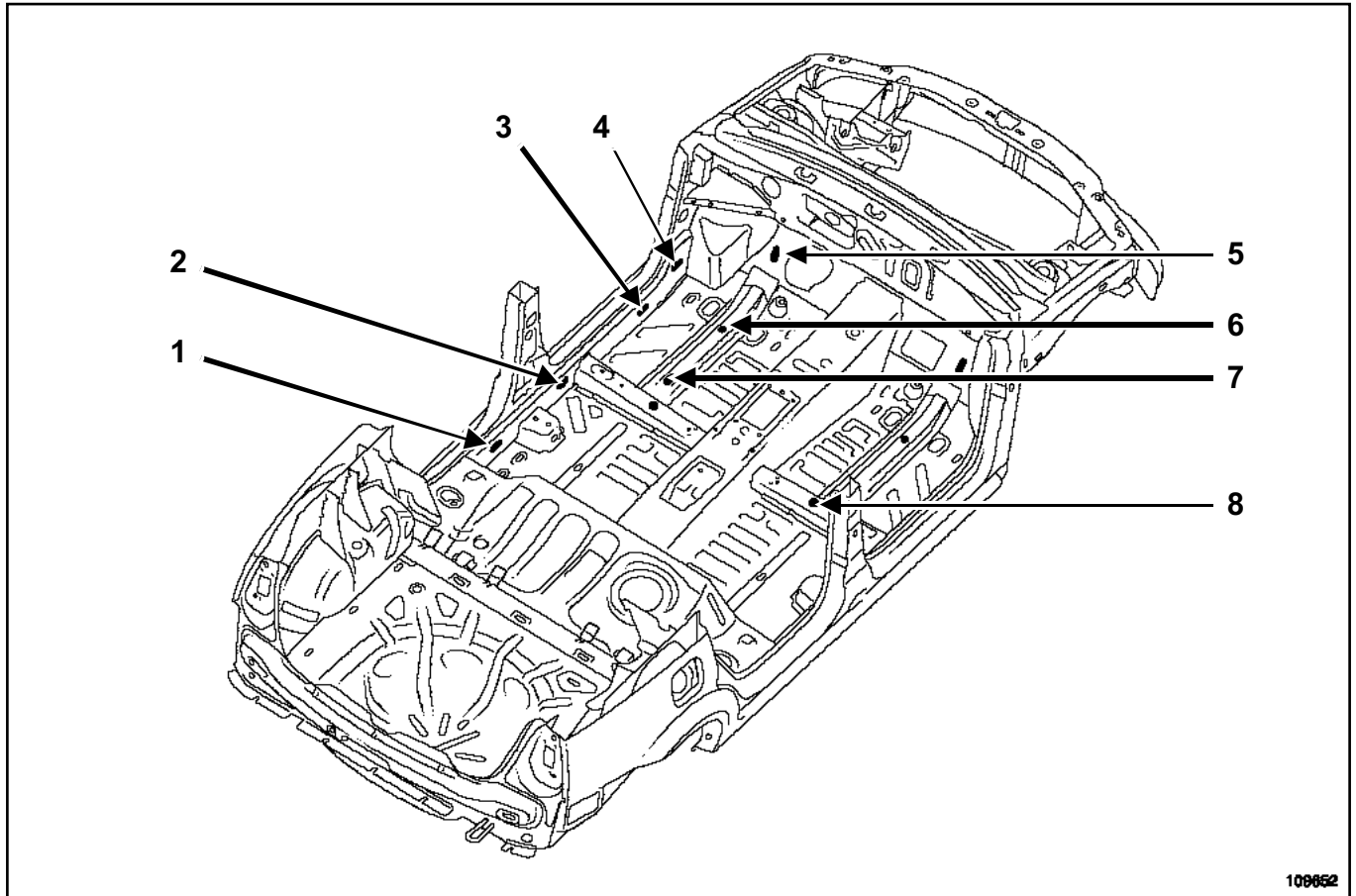


Note:

If the complete body is being replaced, it must be marked in compliance with the current regulations.

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I-POINTS LOCATED INSIDE THE VEHICLE



Note:

Hollow body parts must be treated from inside the vehicle after painting and before retrimming.

Side impact:

- replacing or repairing the sill panel:

- protection of the join between the inner sill panel and the sill panel reinforcement: wax injected into points 1, 2, 3 and 4,
- protection of the join between the sill panel and the sill panel reinforcement: wax injected into points 12, 13 and 14.

- replacing the centre floor:

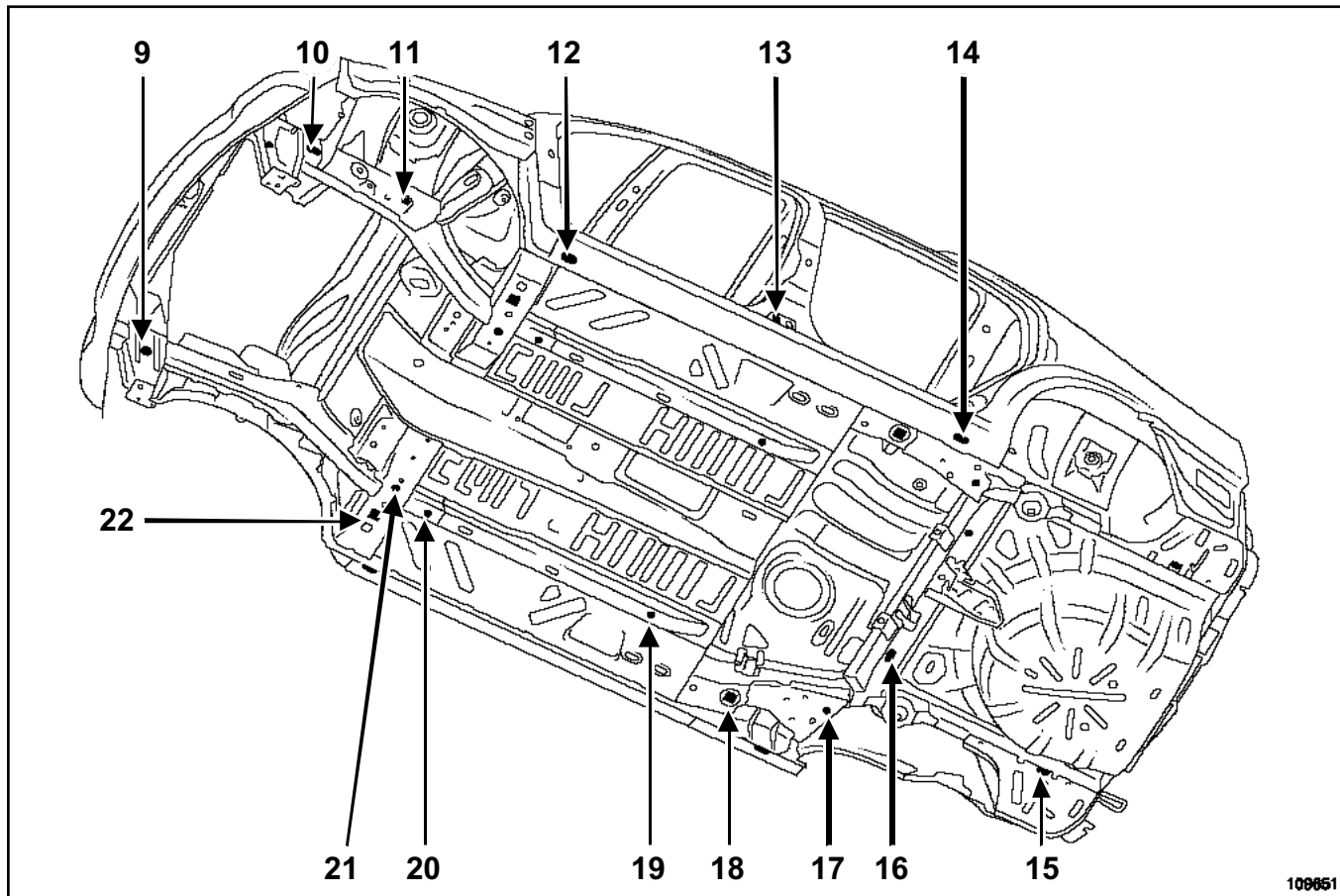
- protection of the join between the floor and the side member reinforcement: wax injected into points 5, 6, 7,
- protection of the join between the floor and the front seat mounting cross member: wax injected into 8.

- replacing the centre side member beneath the floor:

- wax injected into points 19 and 20.

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II - POINTS BENEATH THE VEHICLE



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Note:

Blanking pieces are fitted to the injection points located beneath the vehicle. When any work is carried out on the vehicle, plug all the points used for injection. Replace any damaged or deformed blanking pieces with new ones.

Front impact:

- replacing or repairing the front side member, the front side member closure panel and the front sub-frame mounting unit:

- wax injected into points 9, 10 and 11.

- replacing the front side cross member or the front half unit:

- wax injected into points 20, 21 and 22.

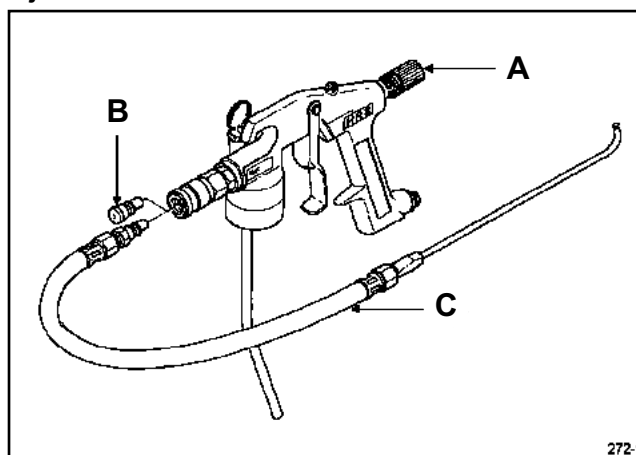
Rear impact:

- replacing the complete rear side member:

- wax injected into points 15, 16 and 17.

1 - Equipment required

Injection nozzle



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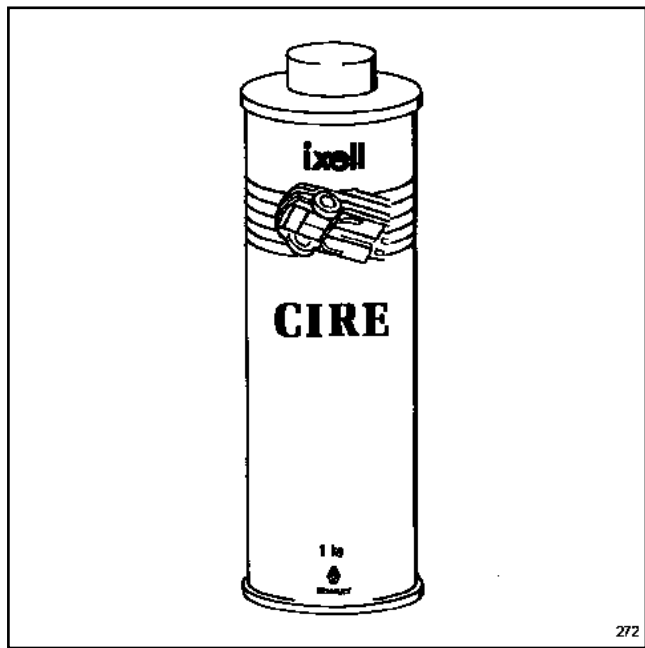
- | | |
|-----|--------------------------------|
| (A) | Wax flow control |
| (B) | Quick-release union end piece |
| (C) | Interchangeable injection hose |

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Note:

Choose the hose most suitable for the operation.

Can of wax

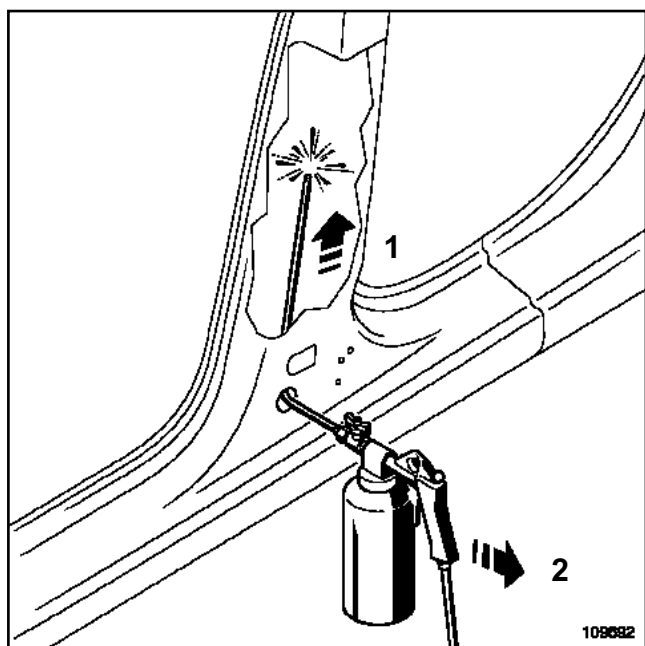


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Part no.: 77 11 172 672

2 - Method of use

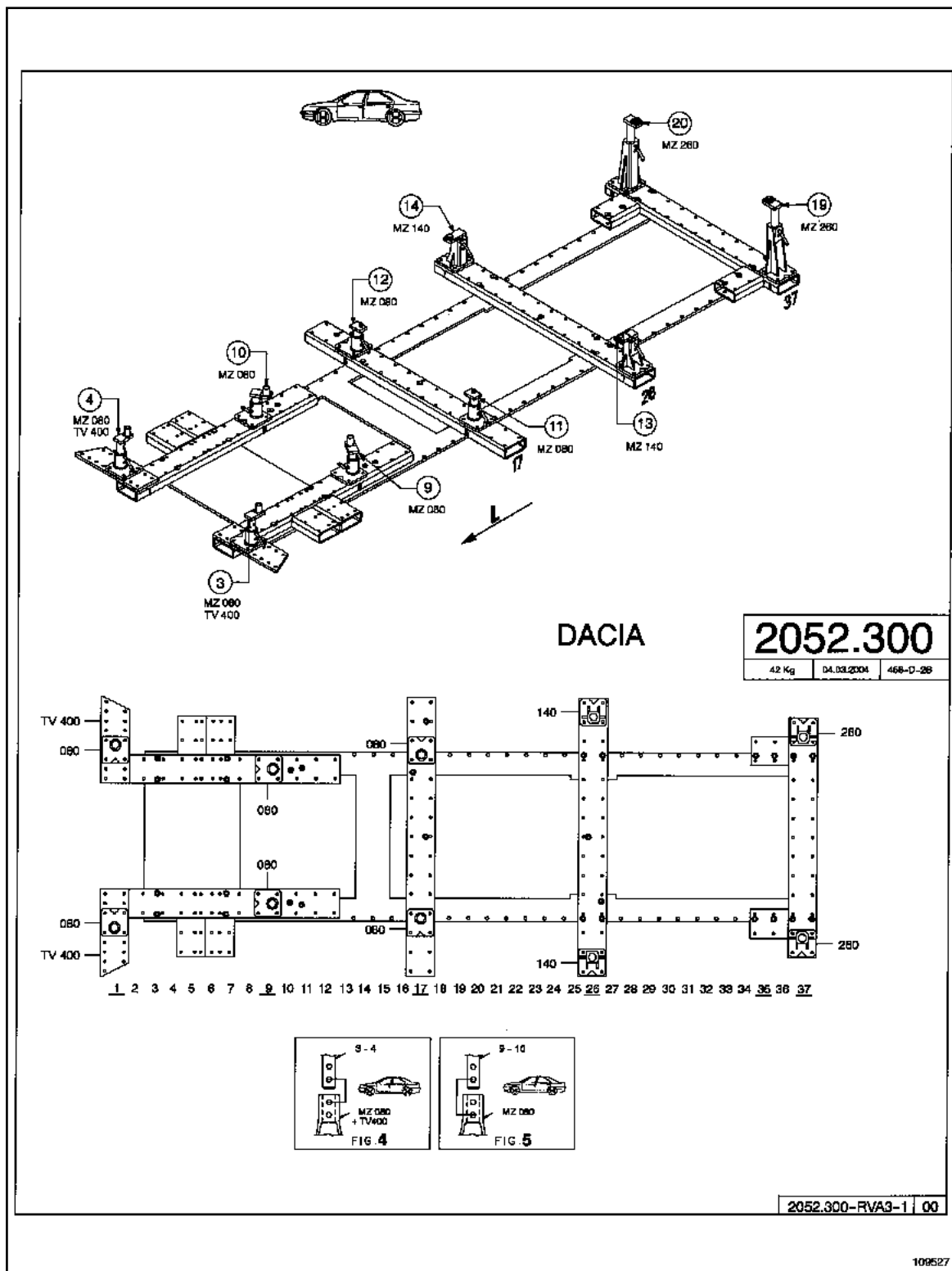


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- (1) Insert the nozzle tip until it reaches the end of the hollow section
- (2) Inject the wax whilst retracting the nozzle tip

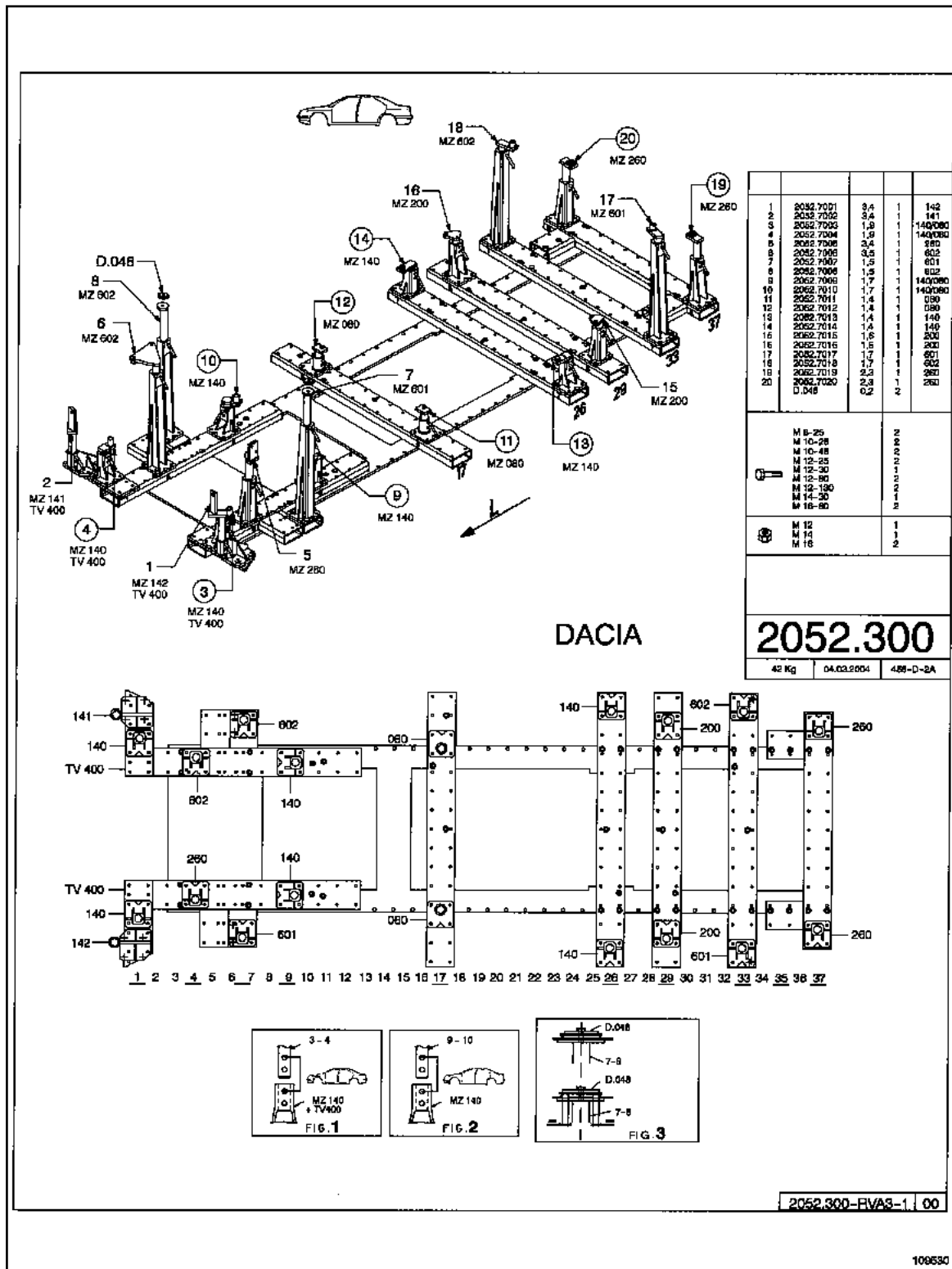
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Body jig bench: Description

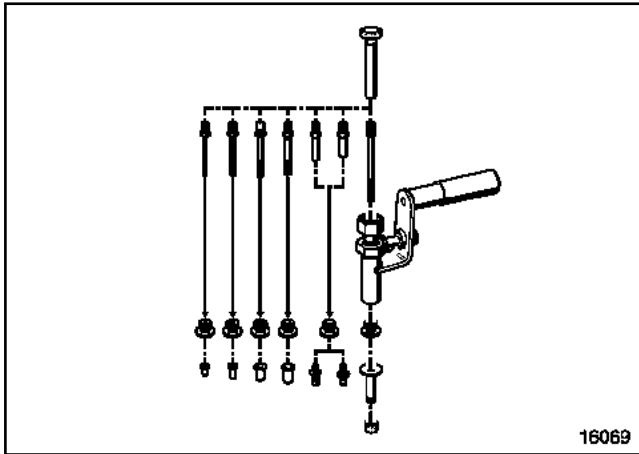
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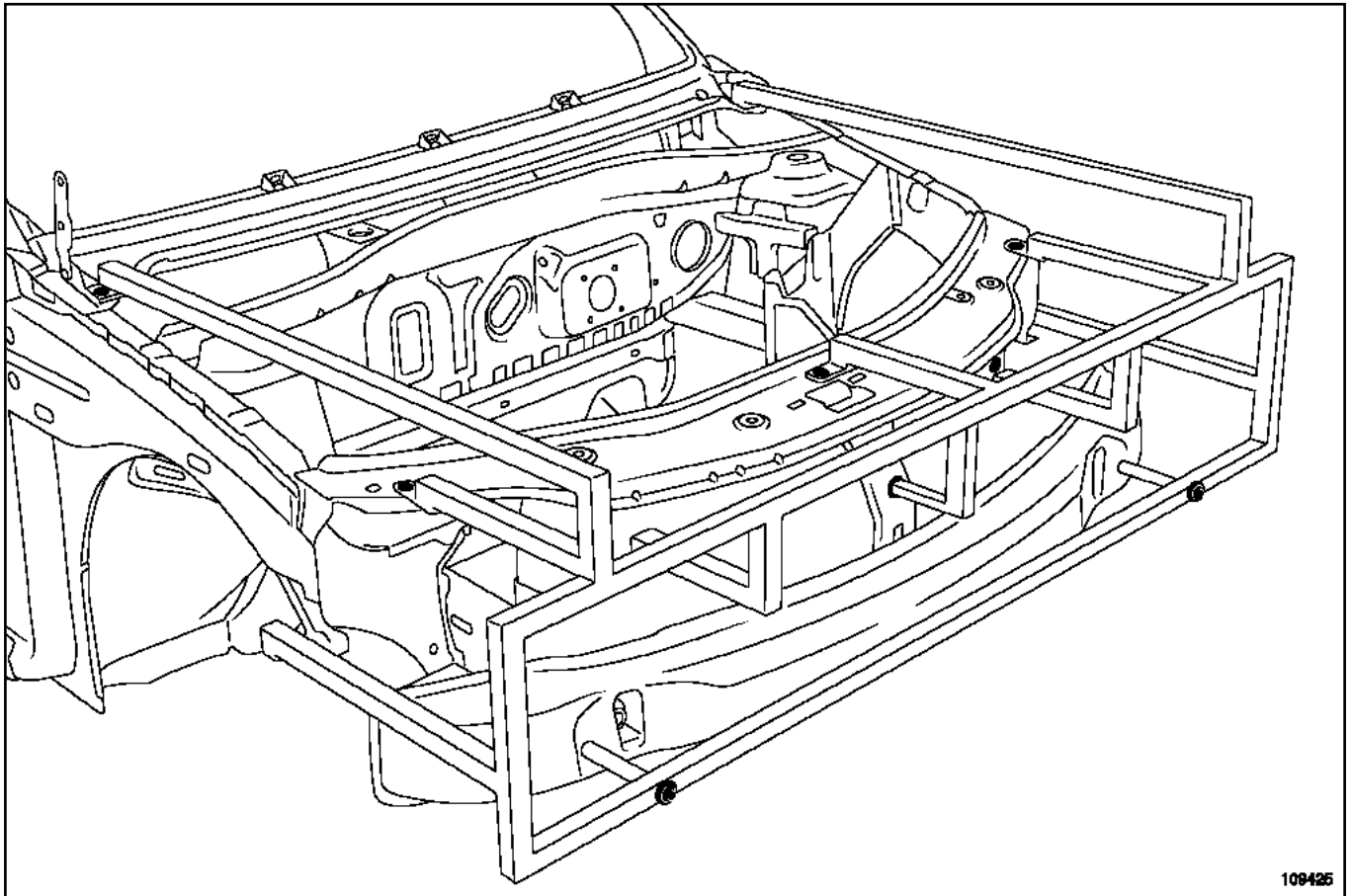
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I -FRONT PANEL JIG



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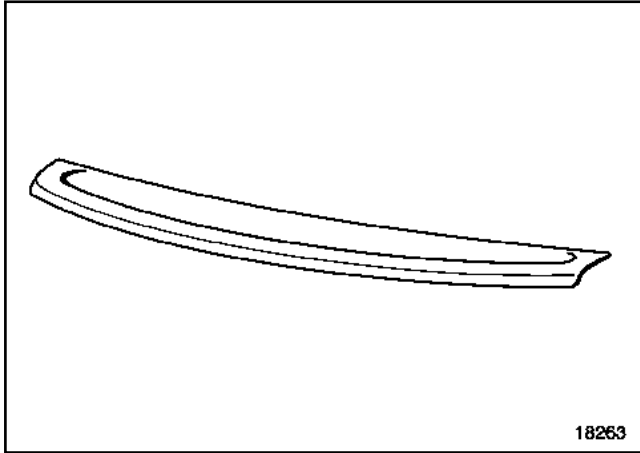
EQUIPMENT AND TOOLS - BODYWORK

Special tooling

05B

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II - INSTRUMENT PANEL GUARD



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EQUIPMENT AND TOOLS - BODYWORK

Structural bodywork material: Specifications

05B

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THREAD REPAIR KIT

Part no.: **HC TYPE 41 86 000 000**

Specific to **RENAULT**

Supplier: **BOLLHOFF - OTALU-SA**

Certification no.: 100900



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