

RENAULT

0 Vehicle general information

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**MECHANICAL SPECIFICATIONS OF THE
VEHICLE**

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X84, and B84 or C84 or G84 or S84

77 11 318 002

FEBRUARY 2003

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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DRAINING - REFILLING

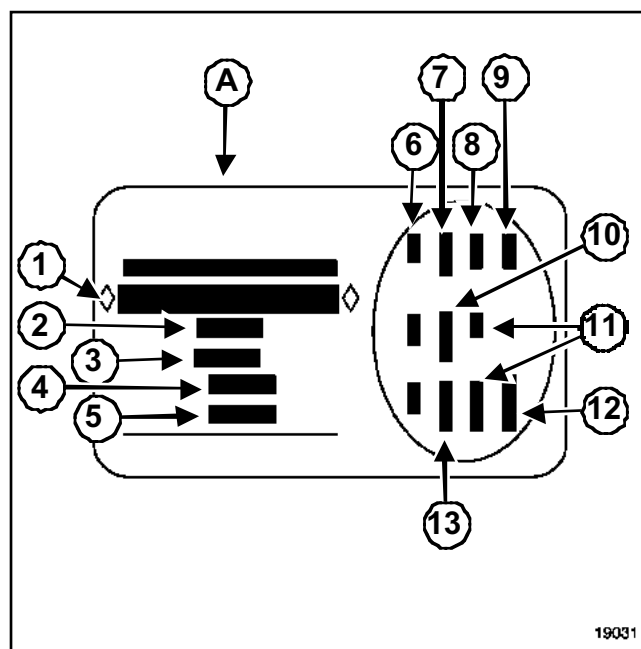
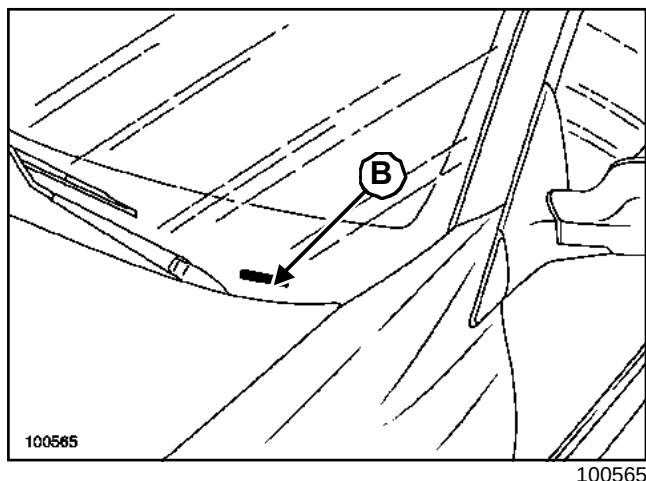
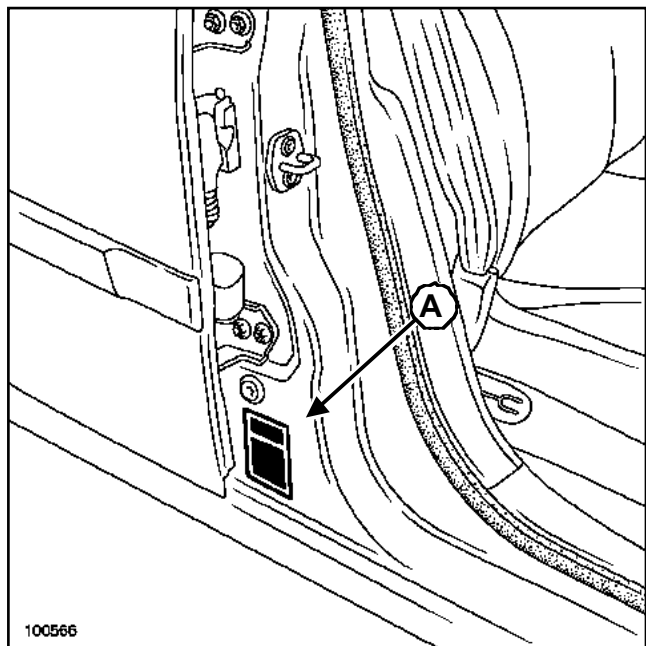
Engine	05A-1
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MECHANICAL SPECIFICATIONS OF THE VEHICLE

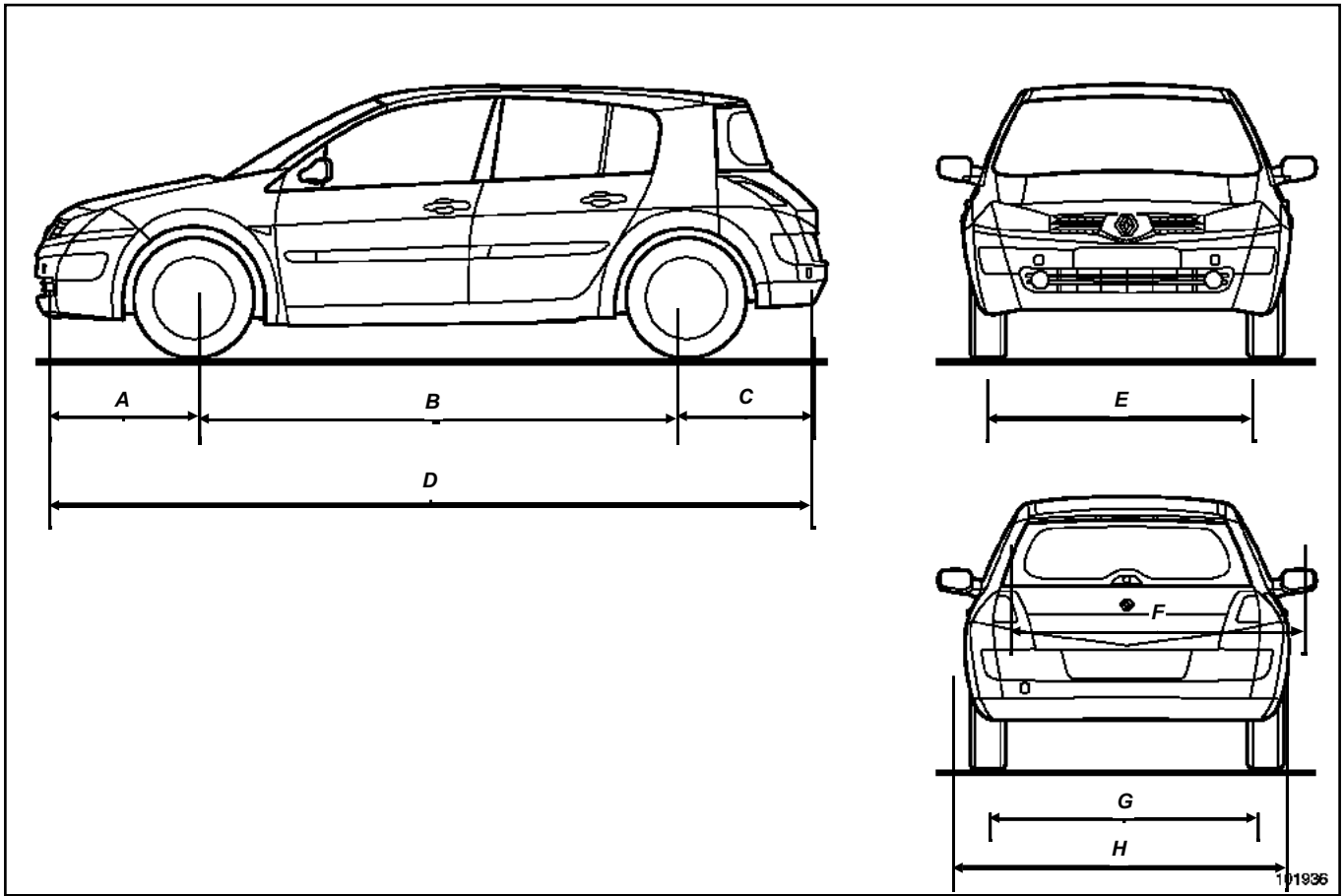
Vehicle identification

01A

LOCATION OF VEHICLE IDENTIFICATION PLATE



- (1) Vehicle type and chassis number; this information also appears on marking (B)
- (2) Maximum permitted all-up weight
- (3) Gross train weight (vehicle under load with trailer)
- (4) Maximum gross front axle load
- (5) Maximum gross 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



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

MECHANICAL SPECIFICATIONS OF THE VEHICLE

Engines - Gearboxes

01A

Vehicle type	Engine			Gearbox type
	Engine type	Engine suffix	Cubic capacity (cc)	
XM0B XM0H XM1A	K4J	730	1390	JH3
XM08		732		
XM0C XM0J XM1B	K4M	760	1598	JH3
		761		DP0
XM0Y		764		JH3
XM05 XM0U XM1M XM1N	F4R	770	1998	ND0
		771		DP0
XM0W		776		ND0
XM0F XM0T	K9K	722	1461	JR5
XM1F		724		
XM02 XM13		728		
XM02		729		DP0
XM1E		732		TL4
XM0G XM1G	F9Q	800	1870	ND0
XM0L XM1D		804		
XM00		808		
XM1K	M9R	700	1995	PK4

VEHICLE IDENTIFICATION

Example: XM0F

X Bodywork type

- B: five-door

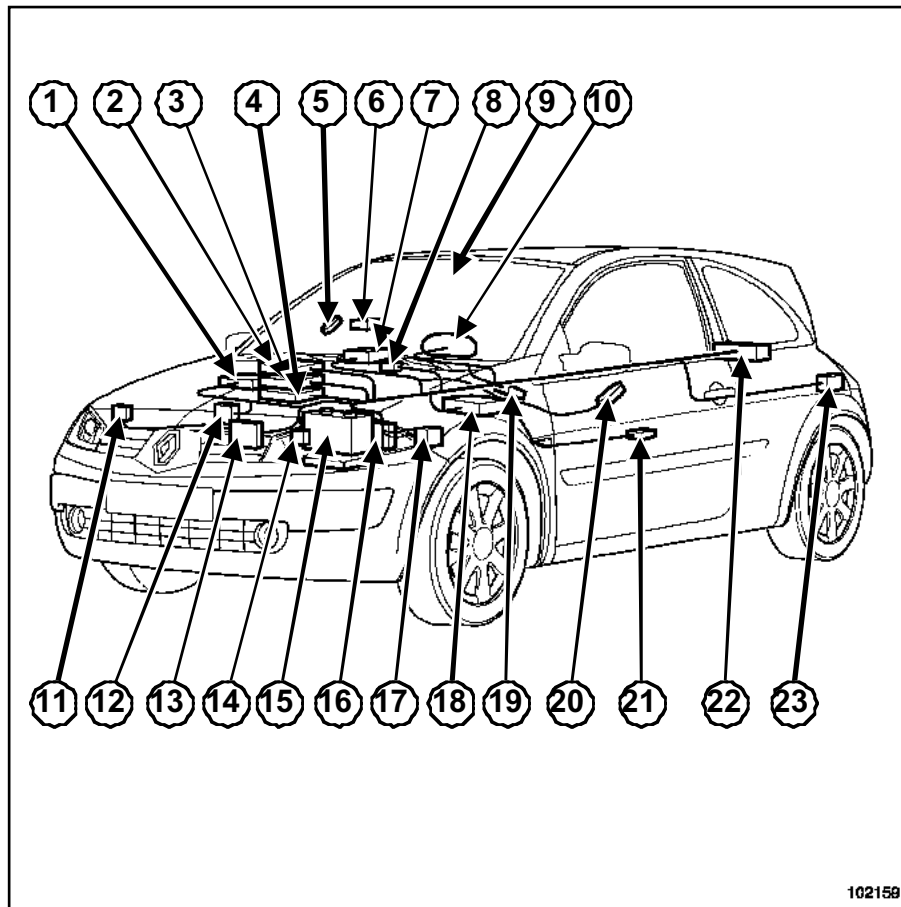
- C: three-door

- S: five-door utility vehicle

- G: three-door utility vehicle

M: Project code

0F: Engine code



102158

102159

(1)	Central Communication Unit	(17)	Protection and Switch Unit
(2)	Radio	(18)	UCH
(3)	Climate control	(19)	Power-assisted steering computer
(4)	Card reader	(20)	Left-hand electric window controls
(5)	Right-hand electric window controls	(21)	Left-hand side impact sensor
(6)	Right-hand side impact sensors	(22)	« Hands-free » opening aerial
(7)	Airbag computer	(23)	CD changer
(8)	Electric steering lock		
(9)	Rain and light sensors		
(10)	Instrument panel		
(11)	Right-hand side xenon bulb computer		
(12)	Anti-lock Braking System / Electronic Stability Program		
(13)	Automatic transmission computer		
(14)	Left-hand side xenon bulb computer		
(15)	Battery		
(16)	Engine management injection computer		

LIFTING

Trolley jack - Axle stand

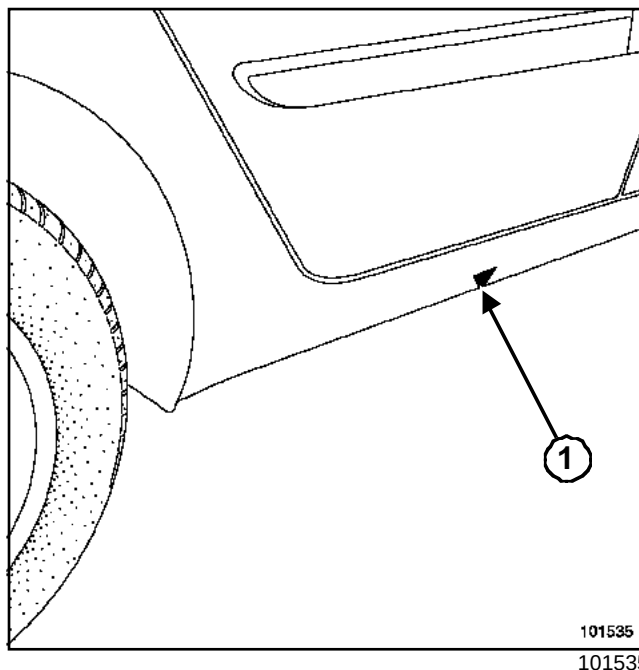
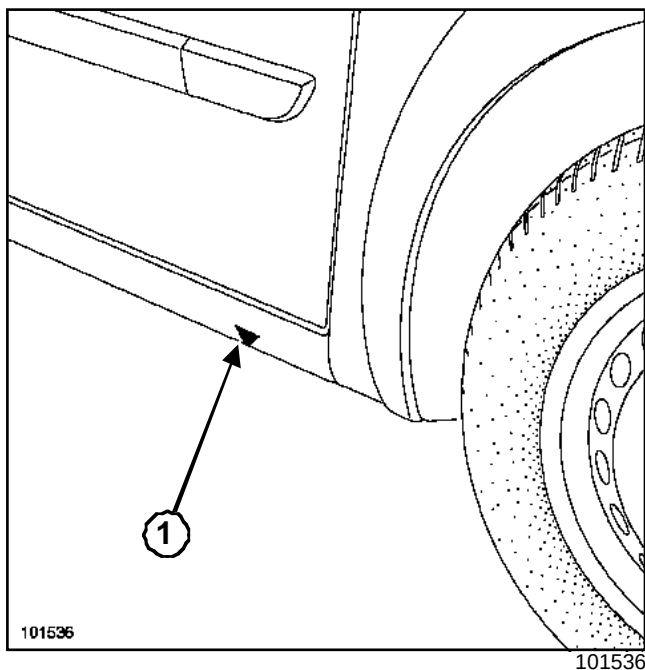
02A

IMPORTANT

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

WARNING

- The sub-frame of this vehicle is protected by products providing a 12-year anti-perforation warranty.
- Always use equipment which is fitted with rubber pads, to avoid the direct metal to metal contact which could damage the protection originally applied.
- The vehicle must not be raised by placing the jack beneath the front suspension arms or under the rear axle.
- To raise a front or rear wheel, use the jack at **(1)**.

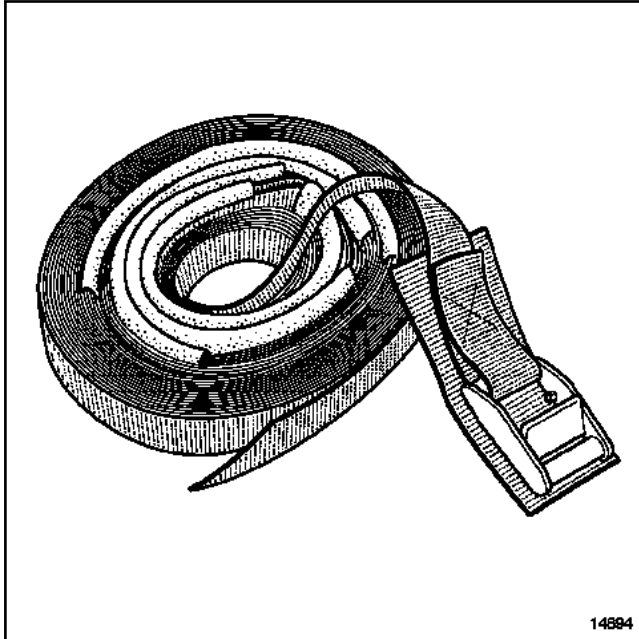


To mount the vehicle on axle stands, the entire vehicle must be lifted on one side and axle stands must be placed under the body flange reinforcements which are used as jacking points **(1)**.

Equipment required

safety belt

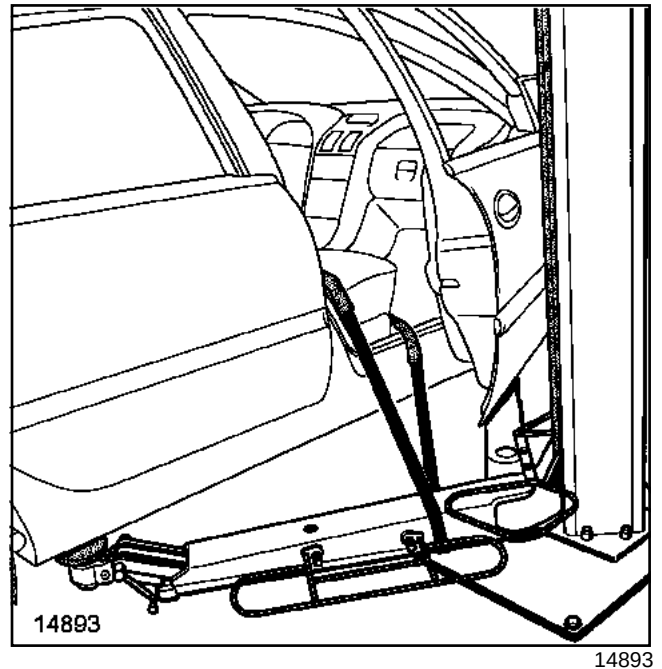
I - SAFETY ADVICE REMINDER



- If it is necessary to remove heavy components from the vehicle, it is preferable to use a four-post lift.
- On a two-post lift, once this type of component has been removed (example: engine / gearbox assembly, rear axle, fuel tank, etc.), there is the risk of the vehicle becoming unbalanced.
- When the vehicle is raised on an underbody two-post lift, fit **safety belt PART NUMBER 77 11 172 554** available from the Parts Stores.

II - FITTING STRAPS

Example of a a vehicle secured at the front



- For safety purposes, the straps must always be in perfect condition; replace them if they are damaged.
- When fitting the straps, check that the seats and fragile parts of the vehicle are properly protected.
- Thread the straps under the lift arms and loop them through the vehicle.
- Do not overtighten the straps.

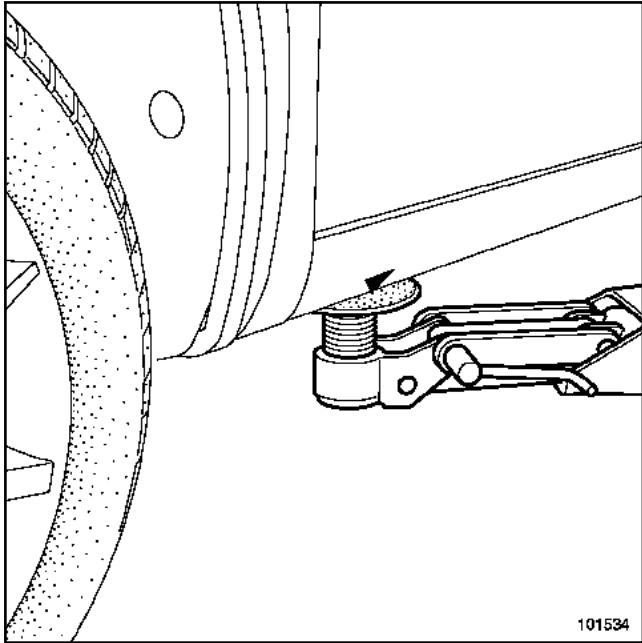
LIFTING

Underbody lift

02A

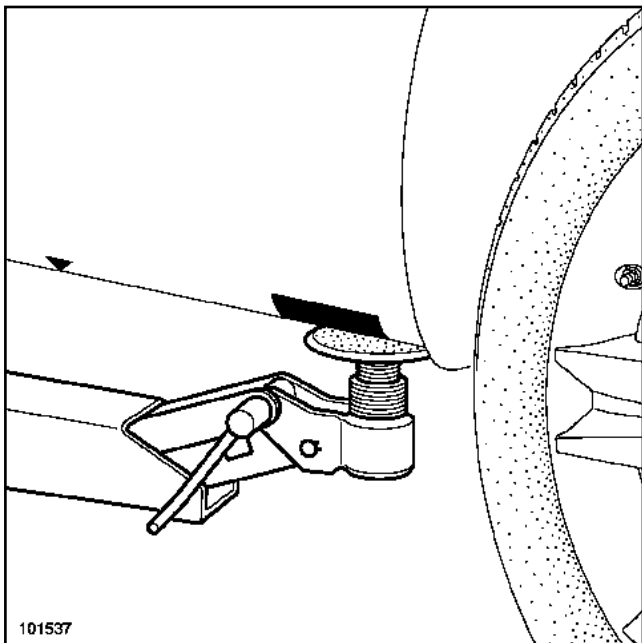
III - POSITIONING THE LIFTING ARMS

Front



101534

Rear



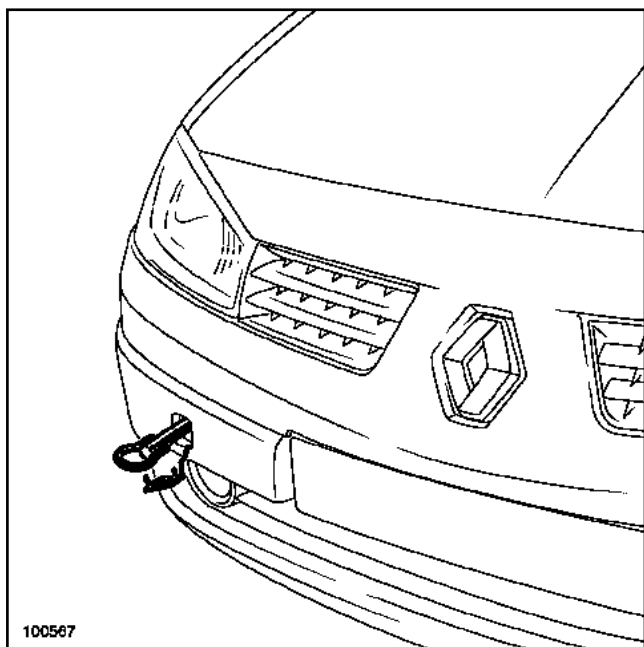
101537

Equipment required

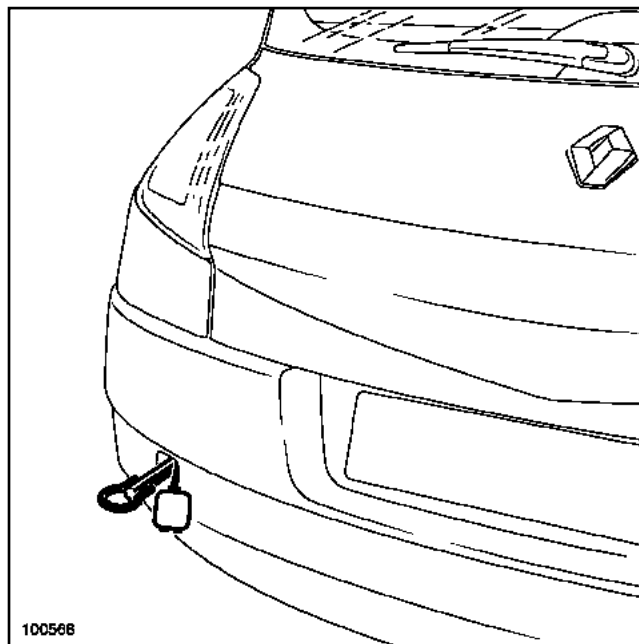
diagnostic tool

WARNING

- Observe the national regulations concerning 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 the road.
- Never use the towing points for removing the vehicle from a ditch or to lift the vehicle, either directly or indirectly.
- For vehicles fitted with an automatic gearbox: tow the vehicle using a towing plate or by lifting 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).
- If the vehicle battery is flat, the steering column remains locked. In this case, refit a battery or an electrical power source to lock the airbag computer using the **diagnostic tool** (see **88C, Airbag and Pretensioners**) which will unlock the steering column.
- If it is not possible to unlock the airbag computer, the front of the vehicle must be lifted.

I - FRONT

100567

II - REAR

100568

CONSUMABLES - PRODUCTS

Capacities - Grades

04B

Engine type	Average oil capacity (use dipstick to adjust level) (in litres)	
	Draining	Oil change and replacement of oil filter
K4J	4.7	4.8
K4M		
F4R	5.25	5.35
K9K	4.4	4.5

Engine type	Average oil capacity (use dipstick to adjust level) (in litres)	
	Draining	Oil change and replacement of oil filter
F9Q	4.5	4.6
	4.7 (1)	4.8 (1)
M9R	6.2	6.5

(1) Engine fitted with particle filter.

Components	Capacity (l)	Grade
Brake circuit	ABS: 1	SAE J 1703 and DOT 4 (low viscosity when cold)
Fuel tank	Approximately 60	Unleaded petrol Diesel

Note:

Brake fluids must be approved by the Technical Department.

DESCRIPTION	PACKAGING	PART NUMBER
MECHANICAL SEALANTS		
→ LOCTITE 518 For sealing the gearbox casing	24 ml syringe	77 01 421 162
→ Leak detector	Aerosol	77 11 143 071
ADHESIVES		
→ LOCTITE-FRENETANCH Prevents bolts from loosening and allows them to be released	24 cc bottle	77 01 394 070
→ LOCTITE-FRENBLOC For locking bolts	24 cc bottle	77 01 394 071
→ LOCTITE SCELBLOC For bonding bearings	24 cc bottle	77 01 394 072
LUBRICANT CLEANERS		
→ NETELEC Unseizing agent, lubricant	Aerosol 150 ml	77 11 171 287
→ Injector cleaner	355 ml can	77 01 423 189
→ Super-concentrated unseizing agent	500 ml aerosol	77 01 408 466
→ DECAPJOINT (FRAMET) For cleaning the aluminium cylinder head faces	Aerosol	77 01 405 952
→ Brake cleaning product	400 ml aerosol	77 11 171 911
GREASES		
→ MOLYKOTE « BR2 » For: - main bearing journal faces, - lower arm bearings, - torsion bar splines, - driveshaft splines.	1 kg tin	77 01 421 145
→ MOLYKOTE « 33 MEDIUM » For: - the tubular rear axle bushes, - the anti-roll bar bushes.	100 g tube	77 01 028 179

DESCRIPTION	PACKAGING	PART NUMBER
→ ANTI-SEIZE (high temperature grease) for turbochargers, etc.	80 ml tube	77 01 422 307
→ « MOBIL CVJ » 825 BLACK STAR OR MOBIL EXF57C For the driveshaft seals.	180 g sachet	77 01 366 100
→ MULTIFUNCTION GREASE Wheel sensor.	Aerosol	77 01 422 308
MECHANICAL SEALANTS		
→ MASTIC For sealing exhaust pipe unions.	1.5 kg tin	77 01 421 161
→ RHODORSEAL 5661	100 g tube	77 01 404 452
→ HARDENER KIT (RHODORSEAL 5661) For side sealing bearing caps.	Kit	77 01 421 080
LACQUER		
→ « CIRCUIT PLUS » Lacquer for repairing heated rear screens.	Bottle	77 01 421 135
BRAKE		
→ « Low viscosity » brake fluid.	DOT4 0.5 l bottle	77 11 218 589

DRAINING - REFILLING

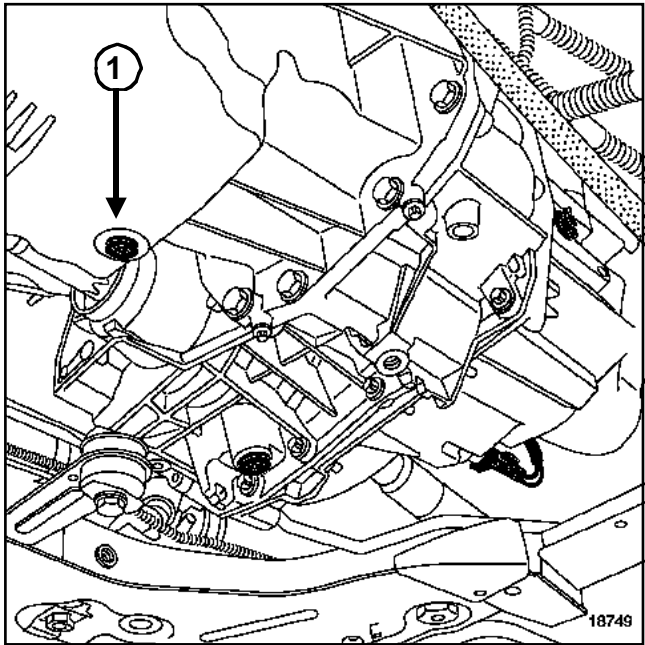
Engine

05A

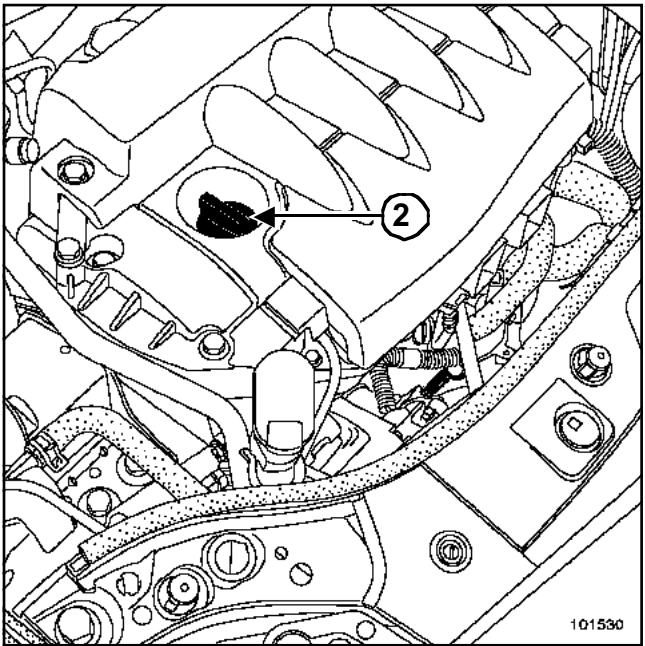
Equipment required
oil draining wrench

Essential equipment
8 mm sump plug tool

K4J or K4M

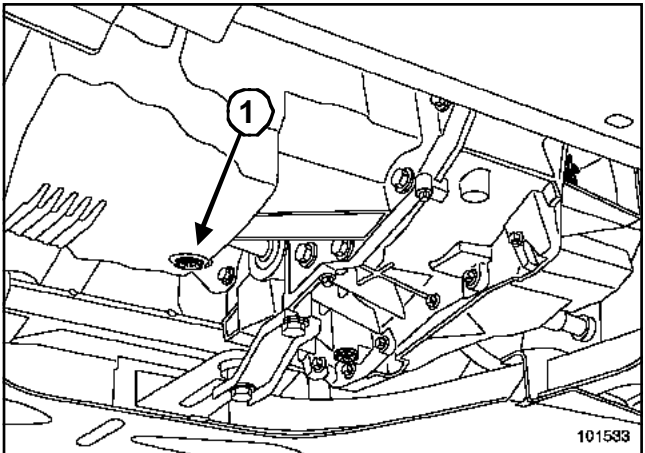


Use an **8 mm oil draining wrench** square drain plug spanner.

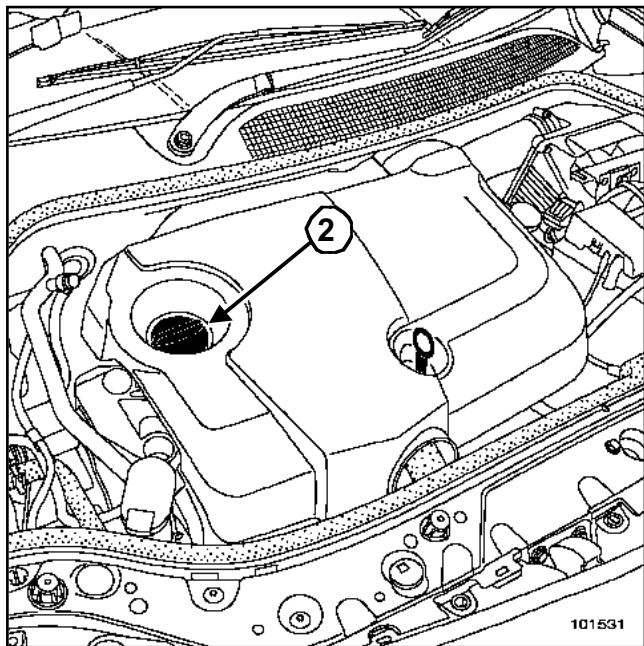


- (1) Drain plug
- (2) Filler plug

K9K

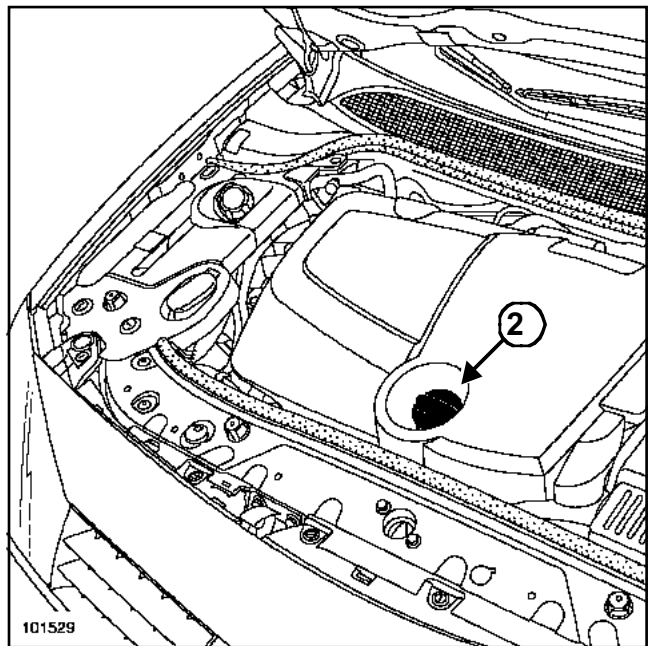


Use an **8 mm oil draining wrench** square drain plug spanner.



101531

- (1) Drain plug
- (2) Filler plug

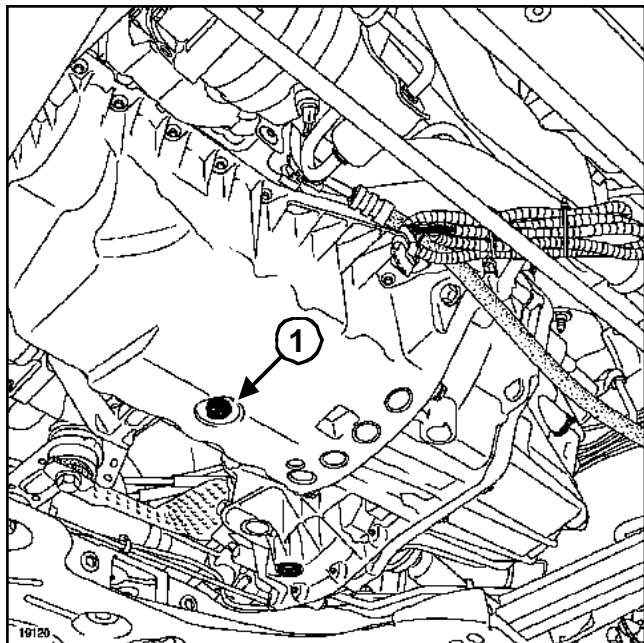


101529

101529

- (1) Drain plug
- (2) Filler plug

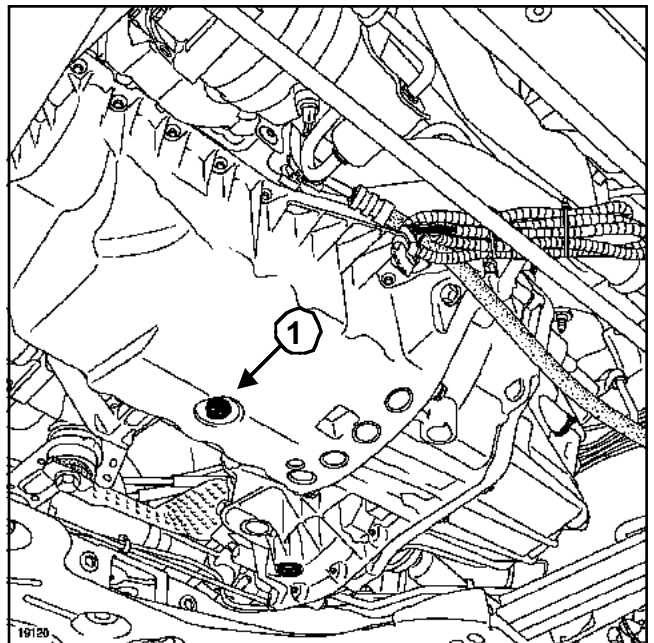
F9Q



19120

Use an **8 mm oil draining wrench** square drain plug spanner.

F4R



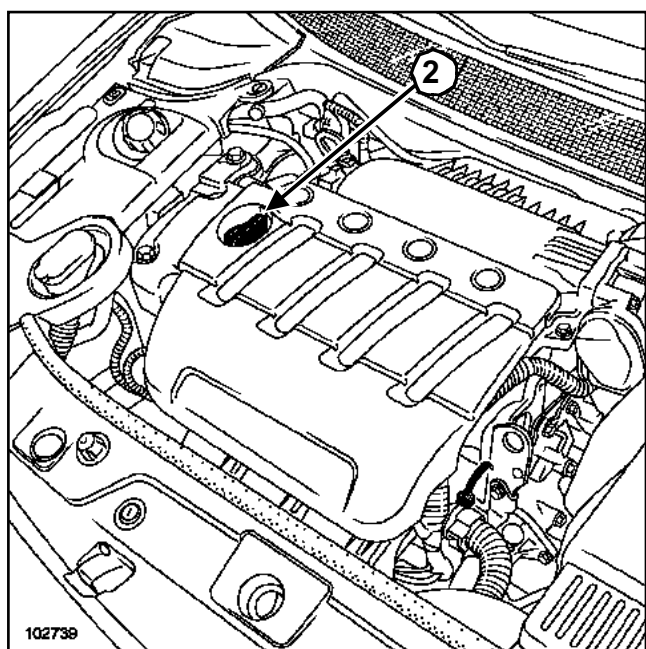
19120

Use an **8 mm oil draining wrench** square drain plug spanner.

DRAINING - REFILLING

Engine

05A



102739

102739

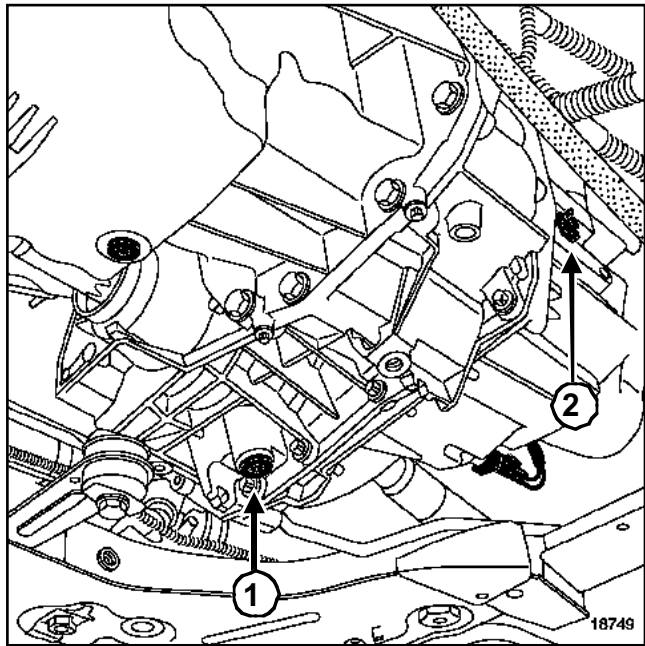
- (1) Drain plug
- (2) Filler plug

DRAINING - REFILLING

Gearbox

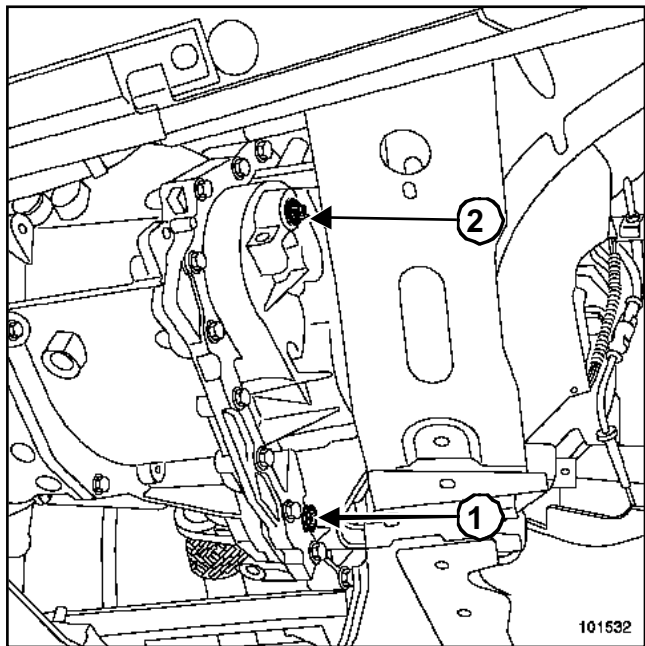
05A

JH3 or JR5



- (1) Drain plug
- (2) Filler plug

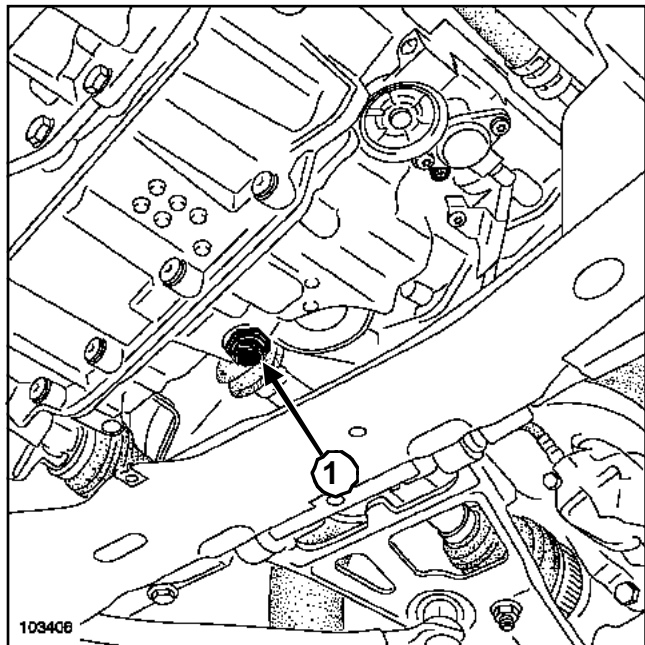
ND0



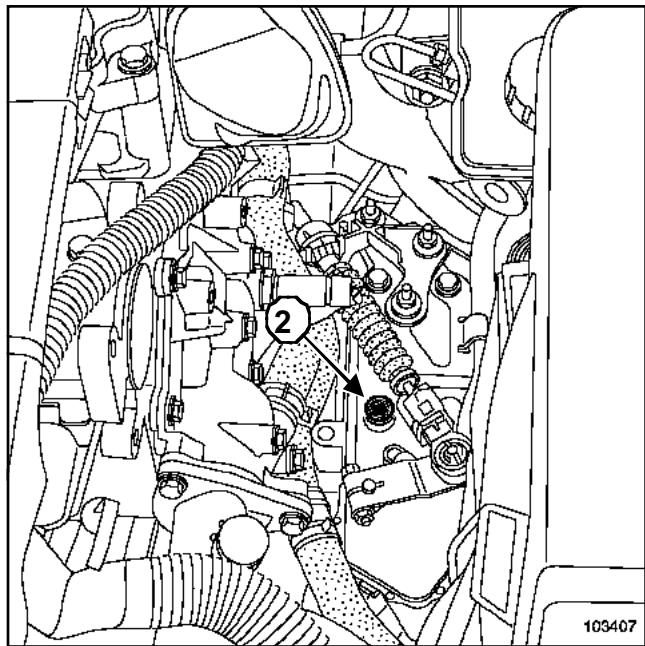
101532

- (1) Drain plug
- (2) Filler plug

DP0



103406



103407

DRAINING - REFILLING

Gearbox

05A

- (1) Drain plug
- (2) Filler plug

