

RENAULT

0 General vehicle information

01A VEHICLE MECHANICAL SPECIFICATIONS

01C VEHICLE BODYWORK SPECIFICATIONS

02A LIFTING EQUIPMENT

03B COLLISION

04B CONSUMABLES - PRODUCTS

X79

NOVEMBER 2009

EDITION ANGLAISE

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

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

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DUSTER - Chapitre 0

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02A LIFTING EQUIPMENT

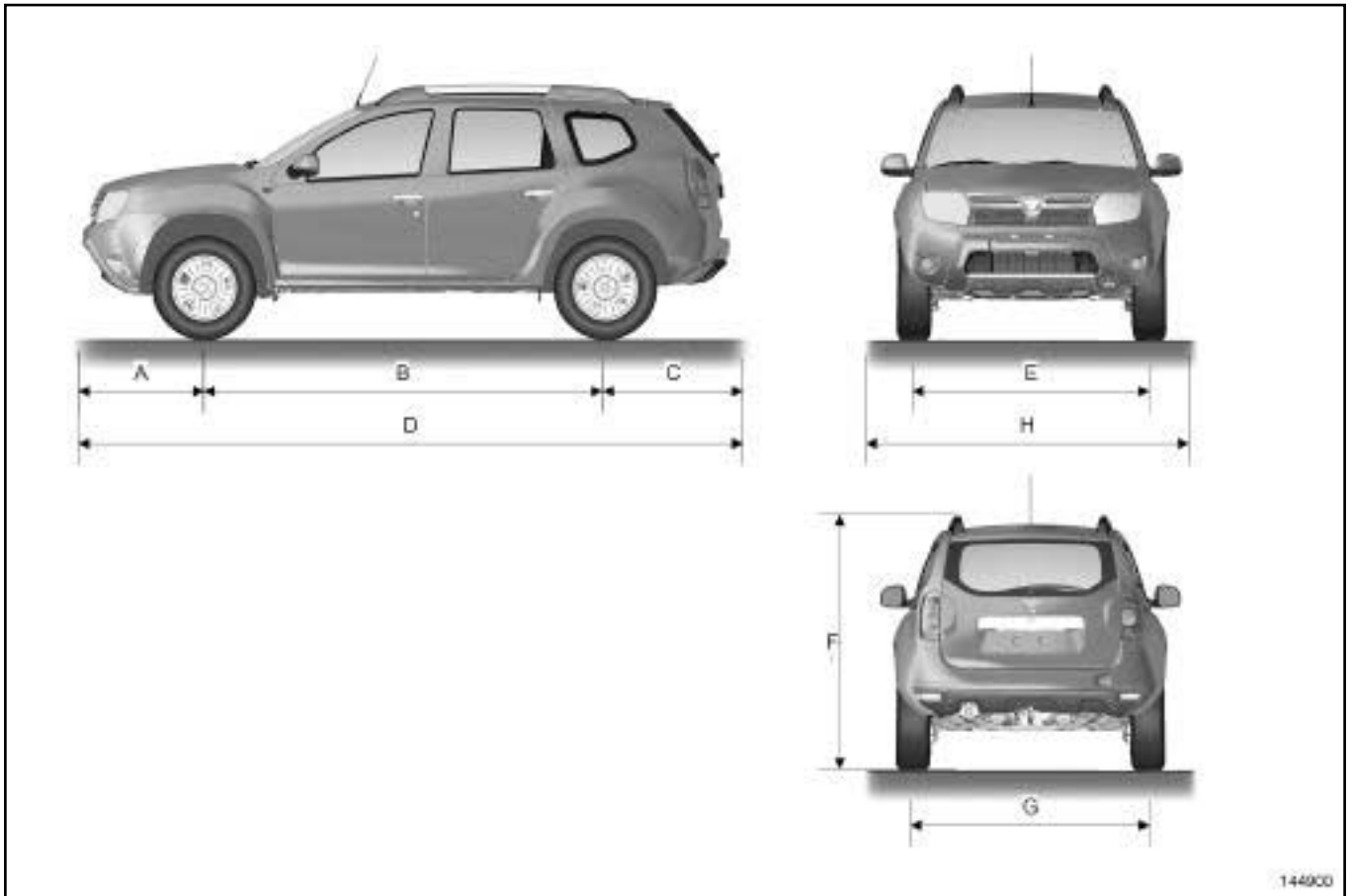
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144900

144900

4X2 TRANSMISSION

Dimensions in metres:

(A)	0.822
(B)	2.673
(C)	0.820
(D)	4.315
(E)	1.560
(F) (unladen)	1.690
(G)	1.567
(H)	1.822

VEHICLE MECHANICAL SPECIFICATIONS

Vehicle: Specifications

01A

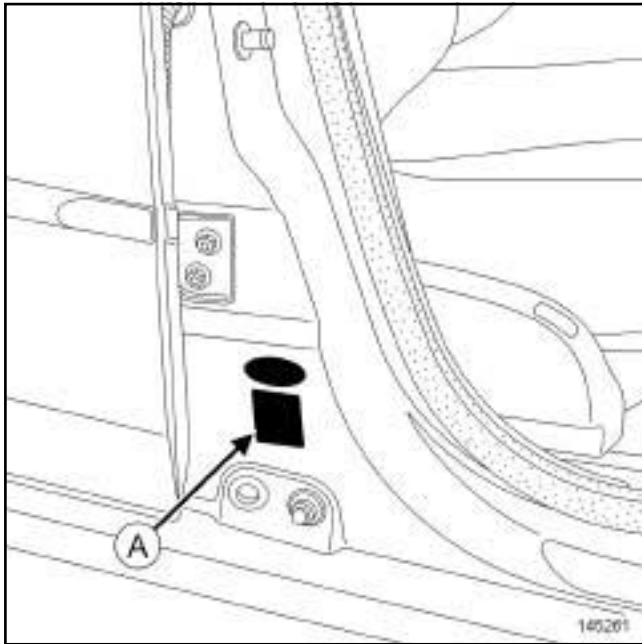
4X4 TRANSMISSION

Dimensions in metres:

(A)	0.822
(B)	2.671
(C)	0.822
(D)	4.315
(E)	1.560
(F) (unladen)	1.682
(G)	1.570
(H)	1.822

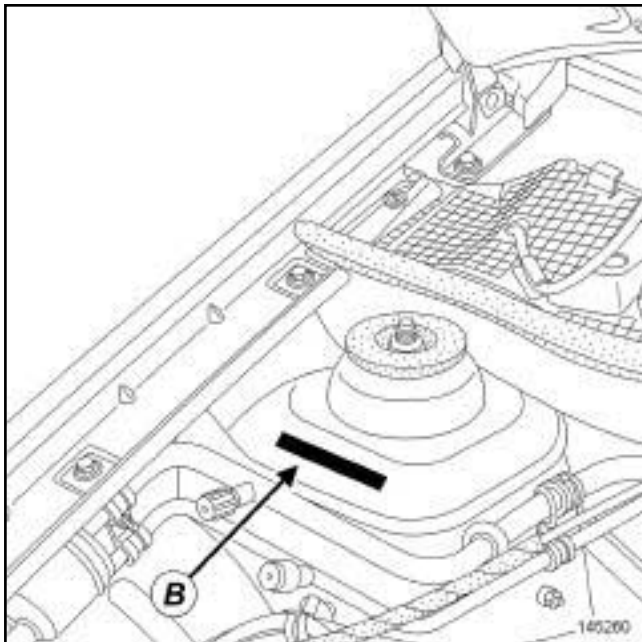
Engine			Gearbox			Emissions standard	
Engine type	Engine suffix	Cubic capacity(cc)	Gearbox type	Gearbox suffix	Transmission type		
K4M	606	1598	TL8	002	4x4	EURO 4	
	690		JR5	187	4x2	EURO 4	
K9K	796	1461	JR5	189	4x2	EURO 4	
	884		TL8	000	4x4	EURO 1	
							EURO 3
	898						EURO 4
						EURO 5	

I - LOCATION OF VEHICLE IDENTIFICATION PLATE (A)



145261

II - LOCATION OF THE VEHICLE IDENTIFICATION NUMBER (B)



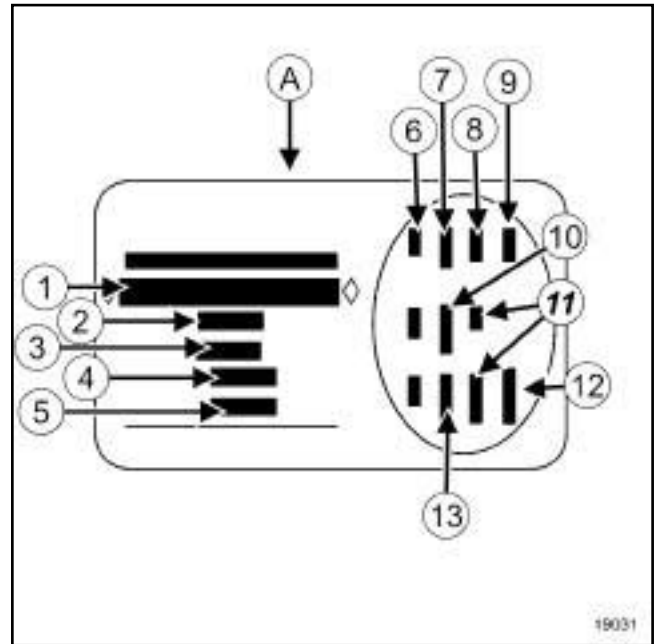
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Note:

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

III - DETAILED VIEW OF THE VEHICLE IDENTIFICATION PLATE

Plate (A)



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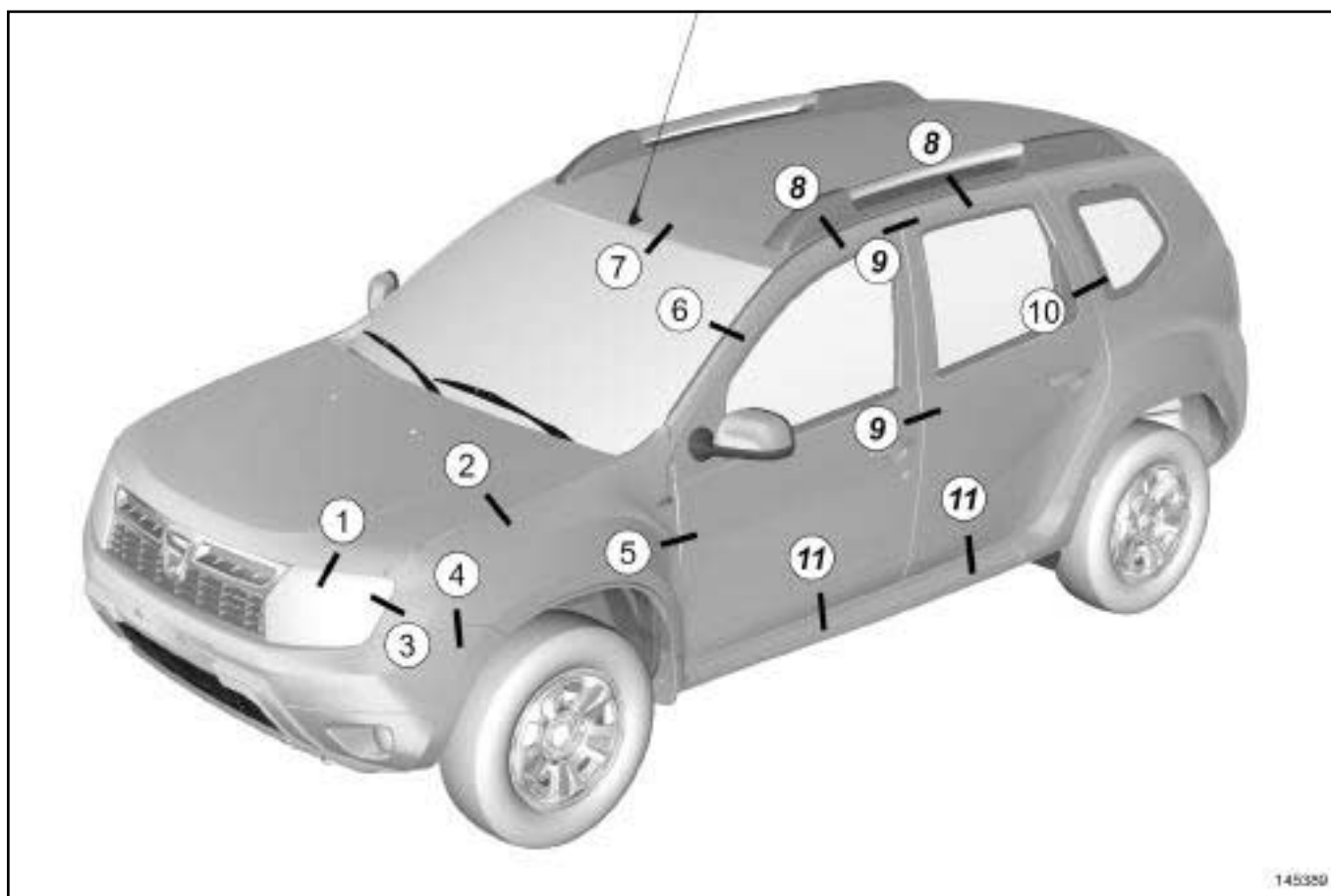
- (1) Vehicle type and type number; this information also appears on marking (B)
- (2) MGVW (Maximum Gross Vehicle Weight)
- (3) GTW (Gross train weight, vehicle under load with trailer)
- (4) Maximum permissible front axle load
- (5) Maximum permissible rear axle load
- (6) Vehicle technical specifications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

WARNING

The clearance values are given for information purposes.

When adjusting clearances, 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.



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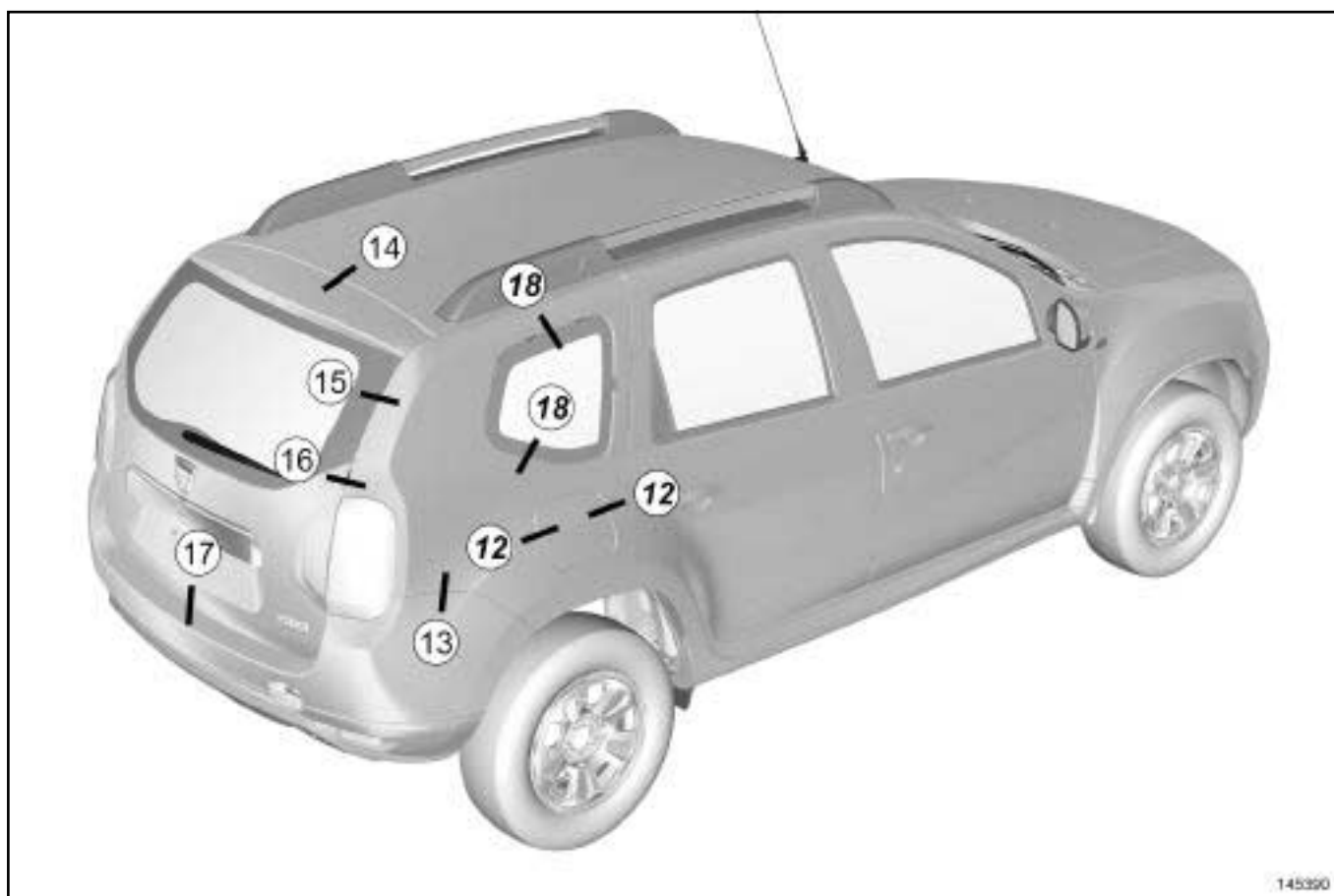
No.	Location	Clearances (mm)
(1)	bonnet / headlight	5 ± 2
(2)	bonnet / front wing	4 ± 1.5
(3)	headlight / front wing	2 ± 1.5
(4)	front bumper / front wing	0.5
(5)	front side door / front wing	4.5 ± 1
(6)	front side door / windscreen pillar	18 ± 1

VEHICLE BODYWORK SPECIFICATIONS

Vehicle panel gaps: Adjustment value

01C

No.	Location	Clearances (mm)
(7)	windscreen / roof	4.5 ± 1
(8)	side doors / roof	18 ± 1
(9)	front side door / rear side door	4.5 ± 1
(10)	rear side door / rear wing panel	4.5 ± 1
(11)	side doors / sill panel	6 ± 2



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No.	Location	Clearances (mm)
(12)	rear wing panel / fuel filler flap cover	3 ± 1.5
(13)	rear wing panel / rear bumper	0.5
(14)	roof / tailgate	5 ± 1
(15)	tailgate rear screen / rear wing panel	4.5 ± 2
(16)	tailgate / rear wing panel	4.5 ± 1.5
(17)	tailgate / rear bumper	7 ± 2
(18)	rear quarter panel window / rear wing panel	3 ± 1

LIFTING EQUIPMENT

Vehicle: Towing and lifting

02A

Equipment required

safety strap(s)

I - TOWING

WARNING

See the current towing regulations in each country.

Never use the driveshafts, axle assembly components or suspension components as attachment points.

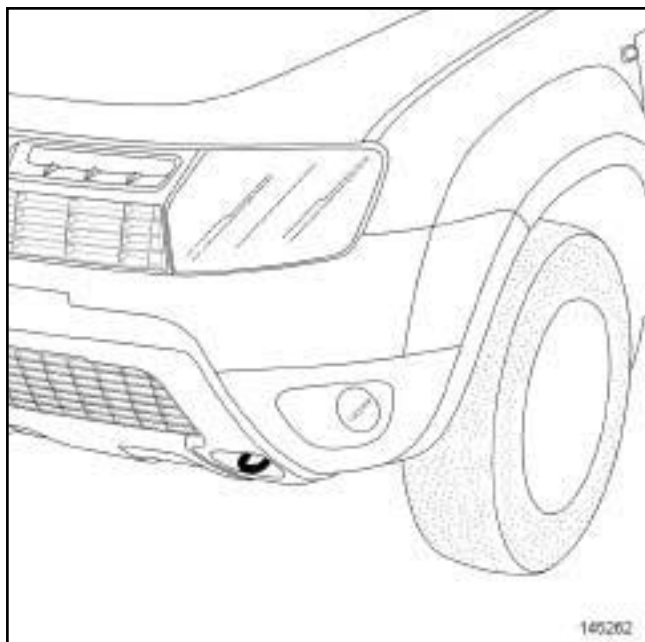
Tighten and lock the towing ring before use.

Always pull in the direction of the rod's length in order to avoid breaking it.

Vehicles fitted with automatic transmission:

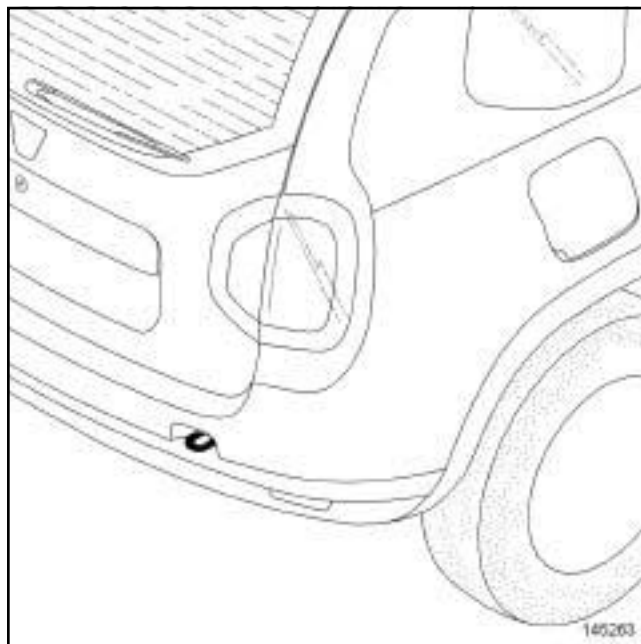
- It is preferable to transport the vehicle on a flatbed or to tow it by lifting the front wheels; as an exception, the vehicle can be towed with the wheels on the ground, but at a speed of less than 12 mph (20 km/h) over a maximum distance of **18 miles (30 km)** (with the gear lever in neutral).

1 - Position of front attachment point



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2 - Position of rear attachment point



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II - LIFTING BY TROLLEY JACK

IMPORTANT

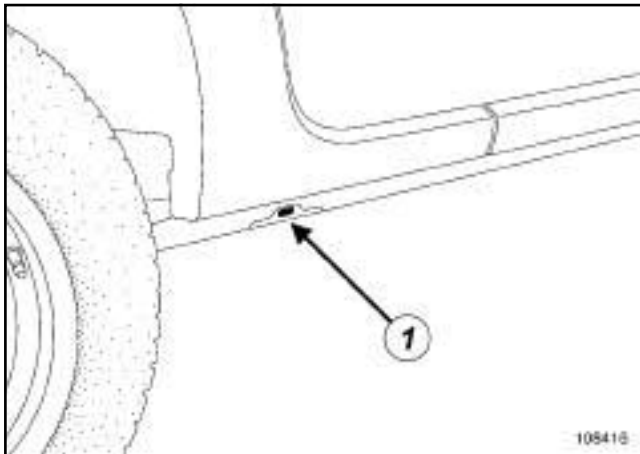
Appropriate axle stands must be used if a trolley jack is used.

WARNING

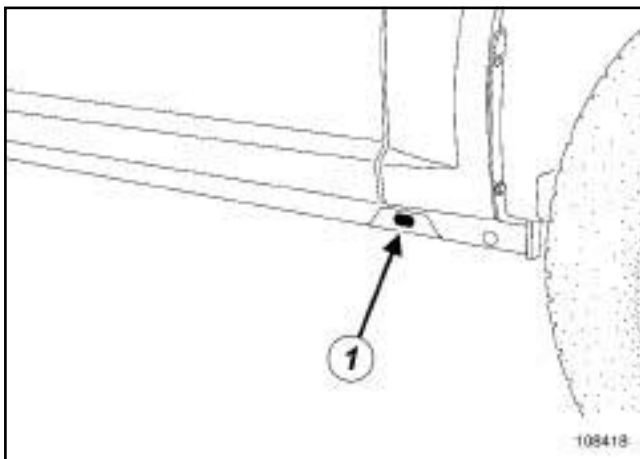
The subframe of this vehicle is protected by products providing a **6-year** anti-corrosion warranty.

Never use equipment not fitted with rubber pads, to avoid direct metal to metal contact which could damage the original protection.

The vehicle must not be raised by support points under the front suspension arms or under the rear axle.



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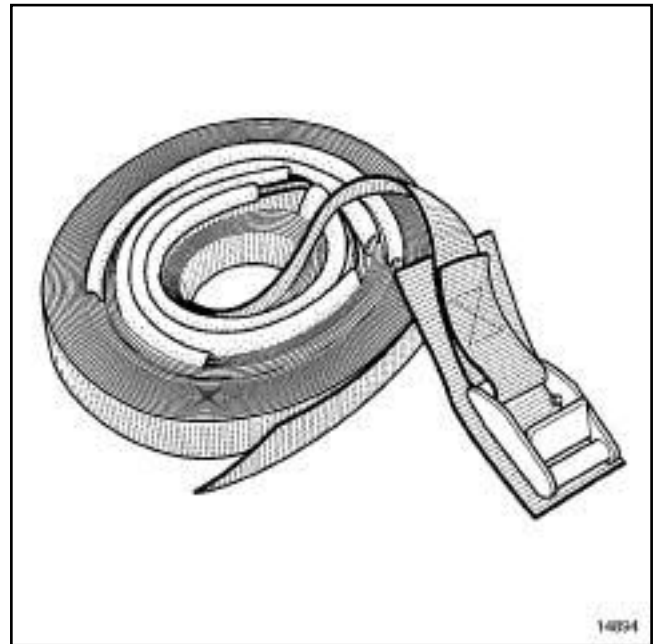
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108418

To raise a front or rear wheel, use (1) as the support point.

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).

III - LIFTING ON A LIFT

1 - Safety advice reminder



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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 tip on a two post lift.

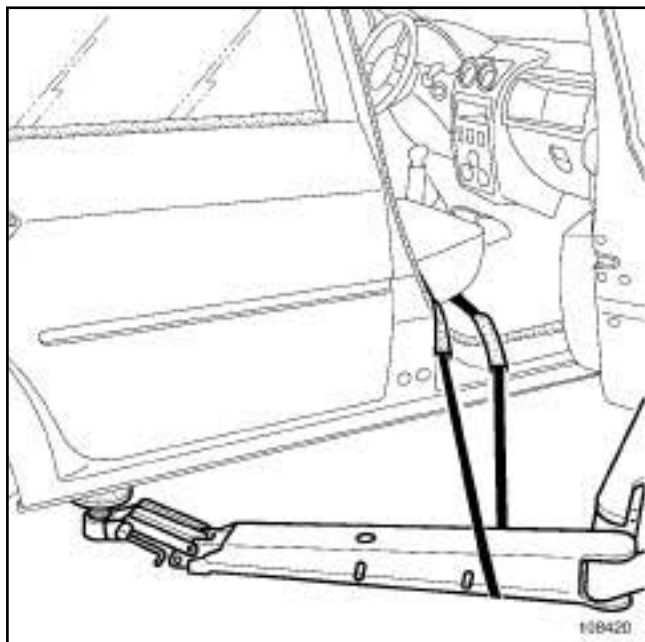
When the vehicle is raised on an underbody two post lift, fit **safety strap(s)**, part no. **77 11 172 554** available from the Parts Department.

LIFTING EQUIPMENT

Vehicle: Towing and lifting

02A

2 - Fitting the straps



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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 correctly protected.

a - Tilting towards the front

Pass 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 belt through the inside of the vehicle again.

Tighten the strap.

b - Tilting towards the rear

Pass 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 belt through the inside of the vehicle again.

Tighten the strap.

3 - Permitted jacking points

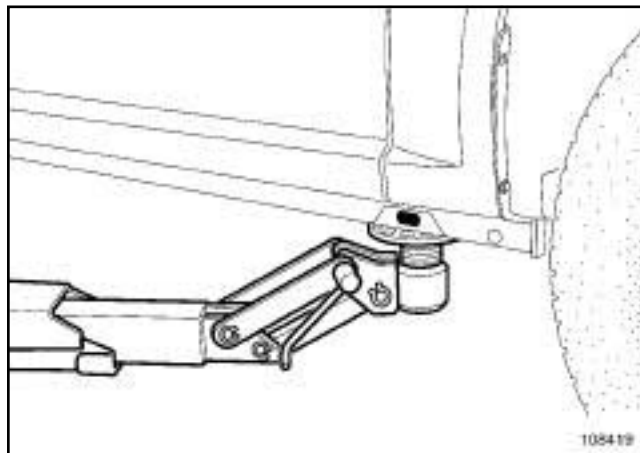
To raise the vehicle, position the pads of the lift arms as indicated below taking care not to damage the end of the front wing or the underside of the sill panel.

IMPORTANT

Only the jacking 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.

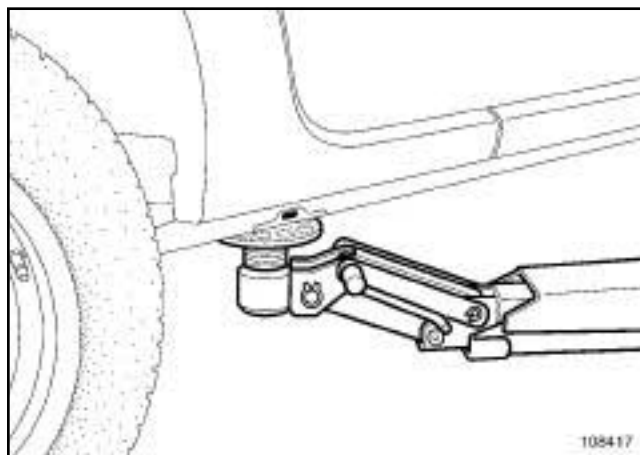
At the front



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Position the lift arms under the end of the sill panel body flanges.

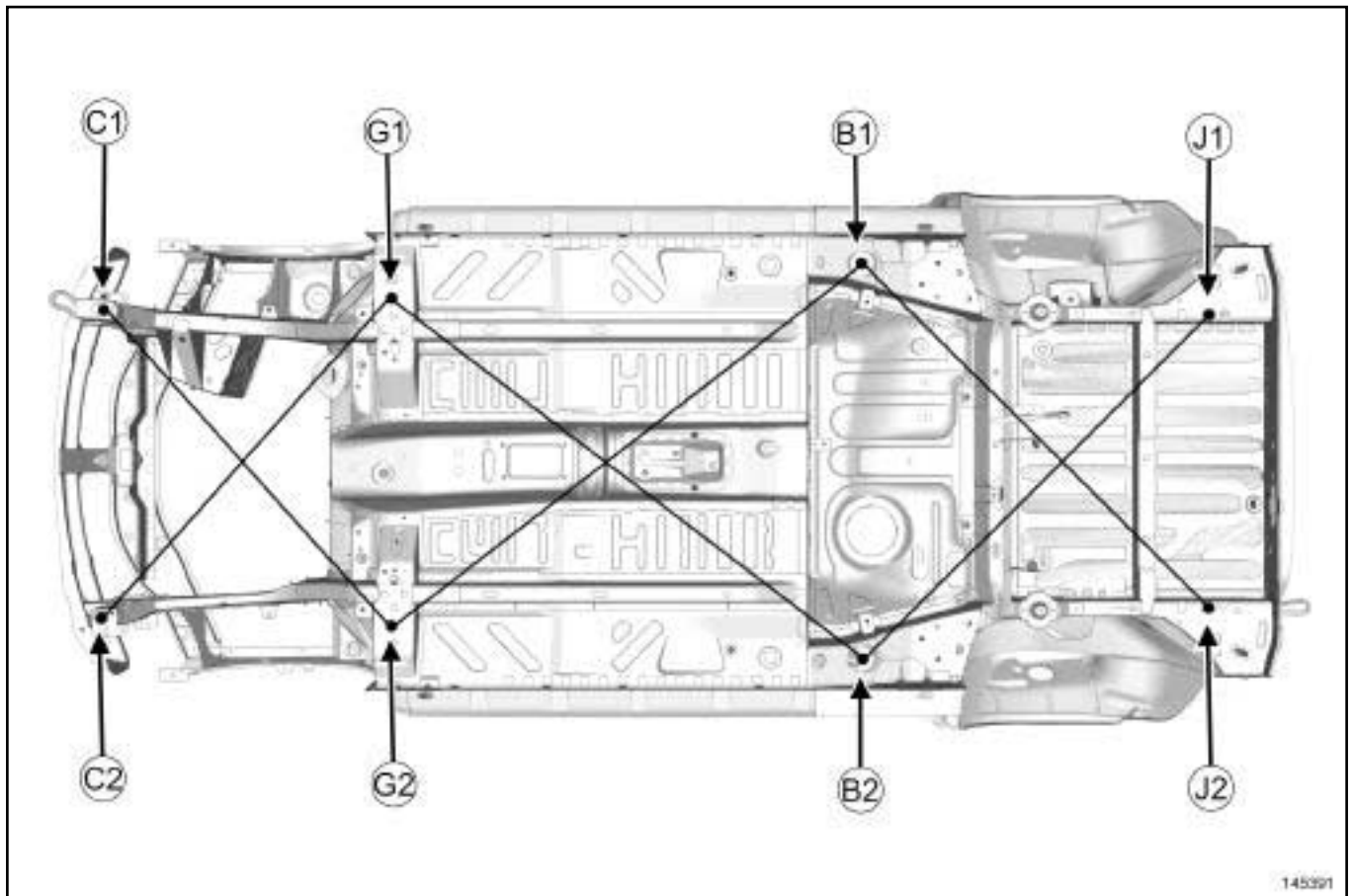
At the rear



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Position the lift arms under the end of the sill panel body flanges.

Vehicle involved in an impact: Impact fault finding



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□

I - CHECKING THE SUBFRAME**Chronological order of checks**

□ FRONT impact

Compare the following distances between diagonally opposite points:

-1: $B1 - G2 = B2 - G1$

-2: $G1 - C2 = G2 - C1$

□ REAR impact

Compare the following distances between diagonally opposite points

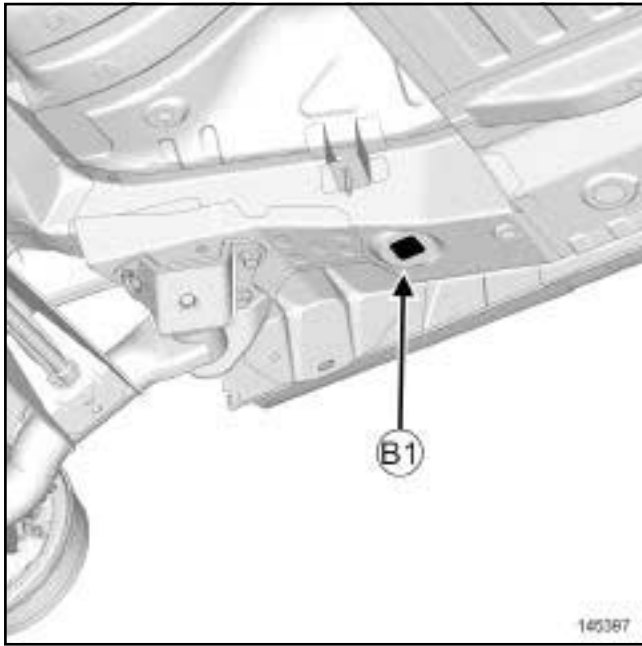
-1: $G2 - B1 = G1 - B2$

-2: $B1 - J2 = B2 - J1$

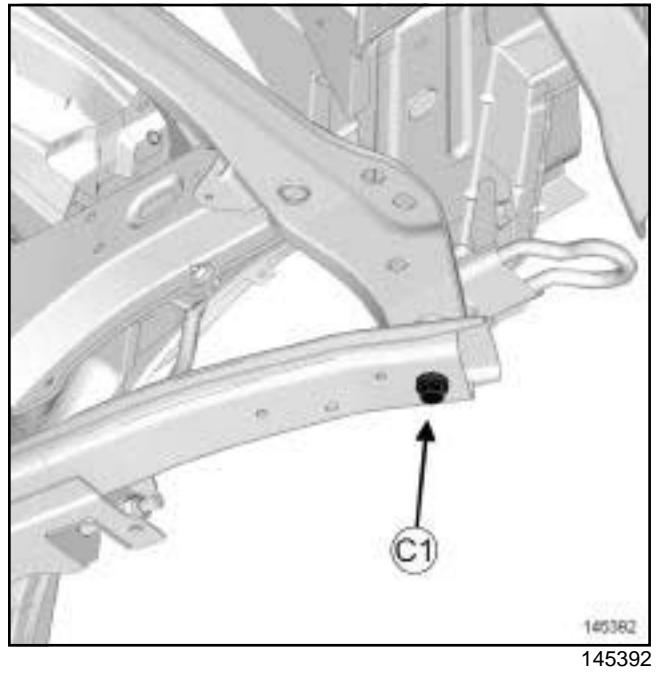
Vehicle involved in an impact: Impact fault finding

II - DETAILED VIEW OF INSPECTION POINTS

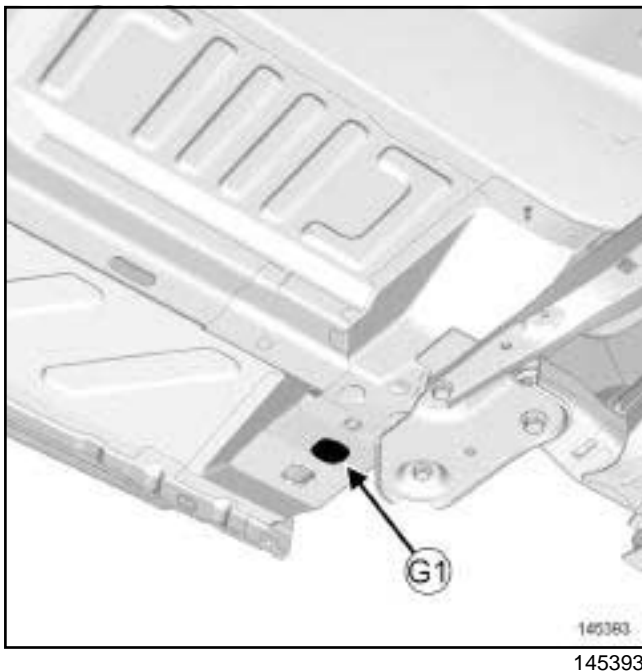
Point B1 - B2



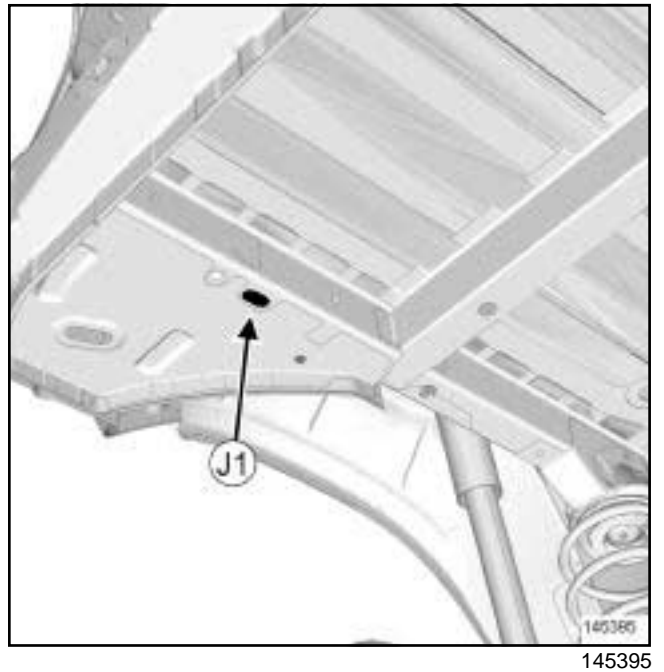
Point C1 - C2



Point G1 - G2



Point J1 - J2



□

CONSUMABLES - PRODUCTS

Vehicle: Parts and consumables for the repair

04B

Consumables for mechanical repair:

DEFINITION	PACKAGING	PART NUMBER
MECHANICAL SEALANTS		
SILICOR sealing paste	85 g tube	77 11 236 470
MASTIXO Joint face seal	100 g tube	77 11 236 172
BEARING SEALING KIT For crankshaft bearing cap side sealing	Kit	77 11 237 896
SILICONE ADHESIVE SEAL Engine and gearbox sealing paste	100 g cartridge	77 11 227 484
TRANSPARENT SEALING MASTIC	45 g tube	77 11 223 369
SILICOJOINT	90 g tube	77 11 236 469
LOCTITE ADHESIVE 597 Sealing paste for PXX gearboxes	Cartridge	77 11 219 705
RESIN ADHESIVE or SEALING RESIN Sealing resin for engine and gearbox covers	25 ml tube	77 11 237 640
EXHAUST MASTIC For exhaust pipe union seals	1.5 kg tin	77 01 421 161
LEAK DETECTOR	400 ml aerosol	77 11 236 176
ADHESIVES		
FRENETANCHE Sealing the threading at low and medium pressure	50 ml bottle	77 11 236 471
HIGH-STRENGTH THREADLOCK For locking bolts	50 ml bottle	77 11 230 112
SEALING RESIN For locking the bearings	50 ml bottle	77 11 236 472
LUBRICANT CLEANERS		
NÉTELEC Avoid bad contacts in electrical circuits	150 ml aerosol	77 11 225 871

CONSUMABLES - PRODUCTS

04B

Vehicle: Parts and consumables for the repair

INJECTOR CLEANER	355 ml container	77 11 224 188 or 77 11 225 539
CLOTH FOR INJECTION SYSTEM		77 11 211 707
SUPER RELEASING AGENT	500 ml aerosol	77 11 236 166
SUPER RELEASING AGENT	250 ml aerosol	77 11 420 439
SUPER CLEANER FOR JOINT FACES For cleaning joint faces	300 ml aerosol	77 11 238 181
SURFACE CLEANER	5 L container	77 01 404 178
SILICONE LUBRICANT	500 ml aerosol	77 11 236 168
SILICONE-FREE LUBRICANT	500 ml aerosol	77 11 236 167
BRAKE CLEANER	600 ml aerosol	77 11 422 413
	150 ml aerosol	77 11 422 414
BIO BRAKE CLEANER	750 ml spray bottle	77 11 427 217
AIR CONDITIONING CLEANER	250 ml aerosol	77 11 230 498
CARBURETTOR CLEANER	Aerosol	77 11 236 177
IXTAR ENGINE CLEANER	400 ml can	77 11 229 365
GREASE		
BR2+ GREASE For: - the lower arm bearings, - the anti-roll bar grooves, - the driveshaft splines.	1 kg pack	77 01 421 145
SILICONE GREASE For: - the tubular rear axle bushes, - the anti-roll bar bushes.	100 g tube	77 11 419 216
COPPER ANTI-SEIZE GREASE Grease for turbochargers (high temperature)	85 g tube	77 11 236 173
COPPER-ALUMINIUM LUBRICANT Grease for turbochargers (high temperature)	500 ml aerosol	77 11 236 169
GREASE For driveshaft seals	180 g sachets	77 11 420 011

CONSUMABLES - PRODUCTS

04B

Vehicle: Parts and consumables for the repair

WHITE GREASE For wheel sensors	400 ml aerosol	77 11 236 174
MULTIPURPOSE GREASE	500 ml aerosol	77 11 236 170
	250 ml aerosol	77 11 236 171
FLUORSTAR 2L Silicone-free electric sealing grease	100 g tube	82 00 168 855
LACQUER		
JELT ARGENT Varnish for repairing heated rear screens	5 g bottle	77 11 230 111
BRAKE		
DOT 4, ISO CLASS 6, RENAULT STANDARD: 03-50-006, For vehicles with and without electronic stability program (ESP)	0.5 L container	77 11 218 589
	5 L container	77 11 238 318
	25 L container	77 11 238 319
DOT 4, ISO CLASS 4, RENAULT STANDARD: 03-50-005 Authorised for vehicles without ESP	0.5 L container	77 11 172 381
	5 L container	77 01 395 503
	25 L container	77 11 171 926
DOT 4 Authorised for vehicles without ESP, without clutch with hydraulic tappet	0.5 L container	86 71 000 000
	5 L container	86 71 014 277
	25 L container	86 71 014 278
COOLING SYSTEM		
ANTIFREEZE (TYPE D)	1 L container	77 11 170 548
COOLANT (TYPE D)	1 L container	77 11 171 589
	2 L container	77 11 170 545
	5 L container	77 11 170 546
OIL		
ENGINE OIL	(see Engine oil: Specifications) (Technical Note 6013A, 04A, Lubricants)	
GEARBOX OIL	(see Manual gearbox oil: Specifications) (Technical Note 6012A, 04A, Lubricants)	
	(see Automatic gearbox oil: Specifications) (Technical Note 6012A, 04A, Lubricants)	
	(see Sequential gearbox oil: Specifications) (Technical Note 6012A, 04A, Lubricants)	

CONSUMABLES - PRODUCTS

04B

Vehicle: Parts and consumables for the repair

AXLE OIL	(see Rear axle oil: Specifications) (Technical Note 6012A, 04A, Lubricants)	
ELF RENAULT MATIC D2 Oil for power-assisted steering: Pump connected, pump assembly (except Laguna III)	2 L container	77 01 402 037
TOTAL POWER-ASSISTED STEERING FLUID Oil for power-assisted steering: Pump assembly (Laguna III)	1 L container	no part number
PLANETELF PAG 488		77 11 172 668
SANDEN SP 10 Oil for air conditioning compressor	250 ml container	77 01 419 313
UNIVIS J26 Oil for retractable roof hydraulic system	250 ml container	77 11 172 160
TYRES		
TYRE PASTE	1 kg pack	77 11 223 052
	5 kg pack	77 11 223 053
TYRE REPAIR AGENT	400 ml tube	77 11 221 296
	300 ml tube	77 11 222 802
BLANKING PLUG		
Engine type	Injection type	Part no.
F5R		77 01 206 382
F8Q		77 01 206 340
F9Q		77 01 208 229
G9T AND G9U		77 01 208 229
K9K	DELPHI	77 01 206 804
K9K	SIEMENS	77 01 476 857
M9R		77 01 209 062
P9X		77 01 474 730
ZD3		77 01 208 229
MISCELLANEOUS		
GREY ABRASIVE PAD		77 01 405 943

CONSUMABLES - PRODUCTS

Vehicle: Parts and consumables for the repair

04B

Consumables for bodywork repair:

HOLLOW SECTION WAX		
SPR CC	1 L container	77 11 172 672
SPR CC SPRAY	500 ml aerosol	77 11 211 654
STRUCTURAL ADHESIVE		
STRUCTURAL ADHESIVE	Kit =2 80 ml cartridges	77 11 219 885
HIGH PERFORMANCE STRUCTURAL ADHESIVE	1 195 ml cartridge	77 11 419 113
GLAZING PRODUCTS AND ADHESIVES		
MONOPAC EVOLUTION ADHESIVE KIT	310 ml cartridge	77 11 421 430
MONOPAC EVOLUTION ADDITIONAL CARTRIDGE + NOZZLE	310 ml cartridge	77 11 421 431
S-P KIT ADHESIVE KIT	310 ml cartridge	77 11 421 432
ADDITIONAL S-P KIT CARTRIDGE + NOZZLE	310 ml cartridge	77 11 421 433
BIPAC EVOLUTION ADHESIVE KIT	2 225 ml cartridges	77 11 421 434
LINT-FREE CLOTH	Box of 340 cloths	77 11 237 262
WINDOW SEALING MASTIC	310 ml cartridge	77 11 170 222
SPECIAL ADHESIVE FOR WINDOWS		77 11 425 759
ADHESION PROMOTER For bonding double-sided adhesive tape	Cloth	77 11 423 222
MISCELLANEOUS		
DOUBLE-SIDED ADHESIVE	18 mm wide	77 11 226 308
DOUBLE-SIDED ADHESIVE	8 mm wide	77 11 427 869
FRENETANCHE	50 ml bottle	77 11 236 471
ADHESIVE PATCH		82 00 043 181
ADHESIVE PAD		77 05 042 163
SEALS		
BLACK MJ PRO (Electroweldable)	310 ml cartridge	77 11 172 676
WHITE MJ PRO II (Electroweldable)	310 ml cartridge	77 11 426 951

CONSUMABLES - PRODUCTS

Vehicle: Parts and consumables for the repair

04B

PREFORMED SEALING MASTIC BEAD	2.6 m roll	77 01 423 330
BRUSH MASTIC	1 kg pack	77 11 228 113
FILLER MASTIC	60 beads Ø 6 mm by 0.3 m	77 11 170 230
GREASE		
WHITE GREASE	400 ml aerosol	77 11 236 174
OPENING ELEMENT MECHANISM GREASE	20 g sachets	77 11 419 865
SILICONE LUBRICANT	500 ml aerosol	77 11 236 168
SILICONE-FREE LUBRICANT	500 ml aerosol	77 11 236 167
SOUNDPROOFING		
SPR GREY EVOLUTION	1 l cartridge	77 11 419 114
SPR GREY EVOLUTION SPRAY	400 ml aerosol	77 11 419 116
SPR BLACK EVOLUTION II	1 l cartridge	77 11 419 115
SOUNDPROOFING PAD (3.5 Kg/m²)	Pack of 10	77 01 423 546
SOUNDPROOFING PAD (6.5 Kg/m²)	Pack of 5	77 01 423 269
POLISHING		
POLISHING LIQUID	1 L container	77 11 420 288
FINISHING LIQUID	1 L container	77 11 420 289
MASTIC		
Universal mastic		
GALAXI	2.5 kg pack	77 11 172 238
OPTIMAX	1.23 l cartridge	77 11 172 239
EXCELLENCE +	960 g cartridge	77 11 423 539
For finishing plastic repair	1 kg pack	77 11 423 540
Plugging mastic		
XFIBRE FIBREGLASS MASTIC	975 kg pack	77 11 172 235
STANDARD BASIX POLYESTER MASTIC	1.975 kg pack	77 11 172 234
ALUX ALUMINIUM MASTIC	975 kg pack	77 11 172 236
Sprayable mastic		

CONSUMABLES - PRODUCTS

04B

Vehicle: Parts and consumables for the repair

PIXTO SPRAYABLE POLYESTER MASTIC	1.5 kg tin	77 11 172 237
Finishing mastic		
IXTRA POLYESTER MASTIC	1.625 kg pack	77 11 172 233
Anti-grit mastic		
MAG PRO 1	310 ml cartridge	77 11 172 679
MAG PRO 3 (Dual component)	1.5 kg tin	77 11 218 364
SURFACE CLEANER		
HEPTANE	500 ml container	77 11 170 064
SOLVENT SURFACE CLEANER	5 L container	77 01 404 178
WATER-BASED SURFACE CLEANER	5 L container	77 11 421 337
ANTISTATIC THINNER (for plastic materials)	400 ml aerosol	77 01 408 493
COMPOSITE MATERIAL REPAIR BY BONDING		
PLASTIC REPAIR KIT		77 11 170 064
NOZZLE FOR PLASTIC REPAIR KIT		77 11 423 523
PLASTIC REPAIR CLEANER	1 L container	77 11 423 517
PLASTIC REPAIR PRIMER	150 ml bottle	77 11 423 518
PLASTIC REPAIR ADHESIVE	2 x 25 ml bicomponent cartridge	77 11 423 519
PLASTIC REPAIR CLOTH	90 m roller	77 11 423 520
PLASTIC REPAIR NOZZLES	12 nozzles	77 11 423 522
COMPOSITE MATERIAL REPAIR BY WELDING		
PLASTIC WELD REPAIR SET		77 11 425 742
PROTECTIVE STRIPS	Bag of 10 protective strips	77 11 425 744
STAINLESS STEEL MESH	Bag of 2 meshes	77 11 425 743
COOLER	400 ml aerosol	77 11 425 745
BRUSH	Box of 10 brushes	77 11 237 793
WINDOW MASKING TAPE		
10 MM WINDSCREEN TAPE		77 11 171 708
20 MM WINDSCREEN TAPE		77 11 171 709
PROTECTIVE WELDING		

Vehicle: Parts and consumables for the repair

ANTI-SPLASH SPRAY	400 ml aerosol	77 11 218 270
SPECIFIED UNDERCOAT		
PRE-TREATMENT PRIMER WITHOUT ZINC CHROMATE (I-Alpha) + THINNER	1 L container	77 11 420 027 (Primer)
		77 11 420 028 (Thinner)
I-PREMIA REACTIVE PRIMER (do not use on aluminium)	3.5 l container	77 11 239 243 (Primer)
		77 11 228 654 (Thinner)
I-PREMIA REACTIVE PRIMER (do not use on aluminium)	400 ml aerosol	77 11 419 416
ADHÉRA SPRAY (adhesion promoter for thermoplastics)	400 ml aerosol	77 11 423 734
PRIMARA BLACK (adhesion promoter/primer for thermoplastics)	1 L container	77 11 423 735
		77 11 171 514 (Activator)
PRIMARA (adhesion promoter/primer for thermoplastics)	1 L container	77 11 171 513
		77 11 171 514 (Activator)
UNDERCOAT		
LEVIA	3.5 l container	77 11 228 651
FORTIA	3.5 l container	77 11 228 650