



Application database

February 2000

OEM	Niose shield	Underbody shields	Front-end	Bumperbeam	Instrument panel	Doors	Others
<u>Audi</u>	■	■	■				■
<u>BMW</u>	■	■					■
<u>Citroen</u>		■		■			■
<u>Fiat</u>			■	■			
<u>Ford</u>							■
<u>Mercedes</u>	■	■			■	■	■
<u>Opel</u>							■
<u>Peugeot</u>			■	■			■
<u>Renault</u>							■
<u>Seat</u>	■	■					
<u>Skoda</u>			■		■		
<u>Volvo</u>							■
<u>Volkswagen</u>	■		■		■		



Audi

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
A2	GMT						
A3	GMT		GMT				
A4	GMT	GMT					
A6	GMT	GMT	GMT				
A8	GMT	GMT					GMT
TT	GMT		GMT				GMT

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BMW

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
Mini			LFT				
3-Series	GMT	GMT					LFT GMT
5-Series	GMT	GMT					LFT GMT
7-Series	GMT	GMT					LFT GMT
Z3	GMT						
							HOME



Citroen

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
Saxo							
Xsara		LFT	LFT				
C5			LFT				
Xantia				LFT			GMT
Evasion				GMT			
Berlingo							HOME



Fiat

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
Punto							
Brava			LFT				
Marea							
Ducato							
Multipla							
Ulysse				GMT			HOME



Peugeot

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
106							
206			LFT				
307			LFT				LFT
406			LFT	GMT			
607							
806				GMT			

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Renault

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
Twingo							
Clio							
Megane							
Laguna							
Espace							
Traffic			GMT				HOME



Seat

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
Arosa	GMT		GMT				
Ibiza	GMT						
Cordoba	GMT						
Toledo							
Alhambra							
							HOME



Volvo

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
S40							
S70							GMT
S80							
							HOME



Volkswagen

	Noise shield	Underbody shields	Front-end Module	Bumperbeam	Intrument panel	Doors	Others
Lupo	GMT		GMT				
Polo	GMT		GMT				
Golf			GMT				
Passat			LFT				
Sharan							
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Case History: Spare Wheel Pan

February 2000

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Breakthrough in car design!

⇒ 20 % cost saving

⇒ 50 % weight saving



Vehicle:	DaimlerChrysler C-Class
Volume:	280.000/year
System-Supplier:	Rütgers Automotive
Weight:	4.7 kg
Material:	Hybride of 30% Random- and 40% UD-GMT
Advantages:	Cost reduction, weight saving, crash resistance, easy assembly by adhesive bonding, functional integration, no corrosion

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