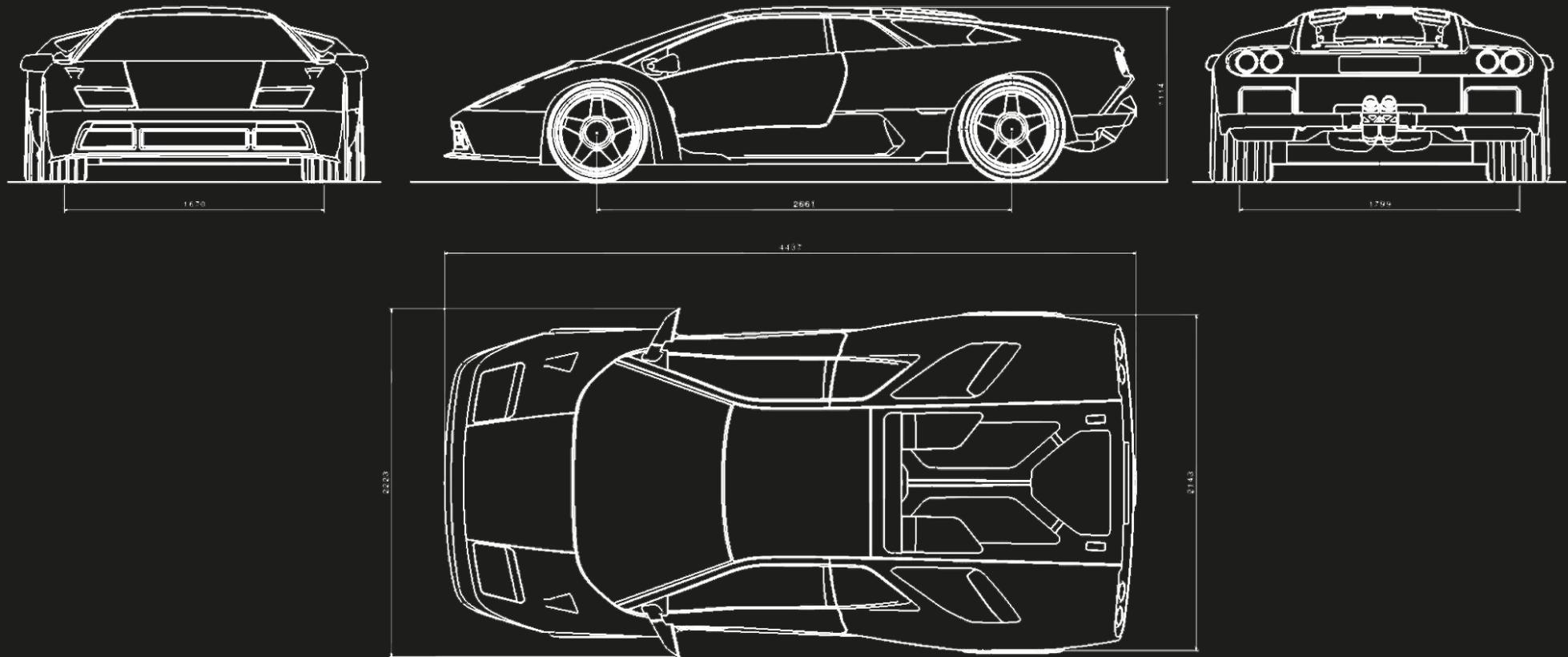


ECJENTRICA
Unchained Car Design

VEHICLE TECHNICAL SPECIFICATIONS



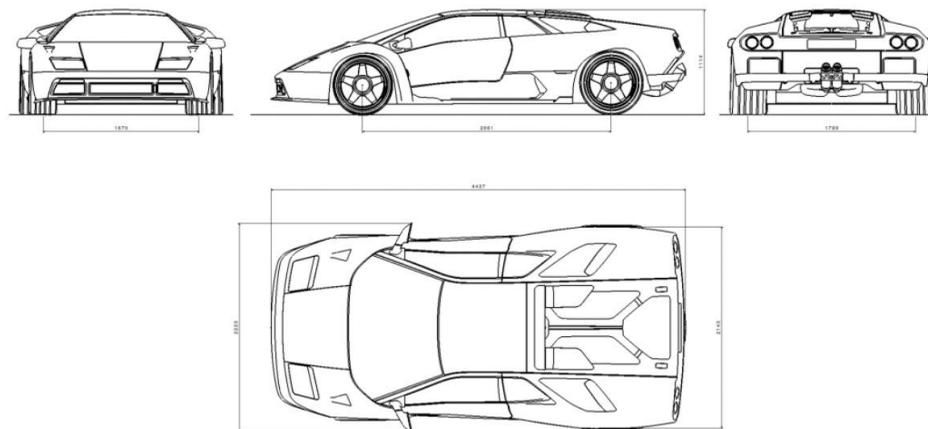
DONOR CAR: LAMBORGHINI DIABLO FIRST EDITION (1990-1994)

VEHICLE TECHNICAL SPECIFICATIONS



GENERAL INFORMATION DONOR CAR

Brand	Lamborghini
Model	DIABLO first edition
Production period	1990 – 1994
Total vehicles produced	900
Body type	Coupé 2 seats, 2 doors
Engine	V12 60° Mid-rear longitudinal
Traction	Rear 2WD



MAIN DIMENSIONS AND WEIGHT

	Units	DIABLO	DIABLO Eccentrica
Length	mm	4460	4437 (-23)
Width	mm	2040	2143 (+103)
Height	mm	1105	1114 (+9)
Wheelbase	mm	2650	2665 (+15)
Front track	mm	1540	1670 (+130)
Rear Track	mm	1640	1800 (+160)
Curb Weight	kg	1625	<i>Target less than donor</i>
Weight distribution front/rear	%	41 / 59	41 / 59
Minimum Ground Clearance	mm	115	125

PERFORMANCES

	Units	DIABLO	DIABLO Eccentrica
Maximum Speed	kph	325	335*
Rate Mass/Power	kg/Hp	3.30	2.89*
Acceleration 0 - 100 kph	s	4.1	3.8*
Acceleration 0- 1000 m	s	20.7	19.6*
Lateral acceleration (estimated)	g	1.1	1.2*
Braking 100 – 0 kph	m	40	34*
Cd aerodynamic coefficient		0.31	0.31

*Estimate

Subject to final homologation, as per regulations.

ENGINE

	Units	DIABLO	DIABLO Eccentrica	Notes
Max Power	Hp @ rpm	492 @ 6.800	550 @ 7.000	
Max Torque	Nm @ rpm	580 @ 6.800	600 @ 6.500	Estimate
N° Cylinder and architecture		V12 60°	V12 60°	
Ignition sequence		1-7-4-10-2-8-6-12-3-9-5-11	1-7-4-10-2-8-6-12-3-9-5-11	
Engine displacement	Cm ³	5707	5707	
Bore x Stroke	mm	87 x 80	87 x 80	
Distribution		DOHC, 48 valves	DOHC, 48 valves	New distribution and cam shafts
Fuel injection		I.E. Multipoint	I.E. Multipoint	New coils and fuel injectors
ECU			New with completely customized calibrations	
Fuel tank capacity	l	100	100	

TRANSMISSION

	Units	DIABLO	DIABLO Eccentrica	Notes
Gearbox		Manual, 5 speed + Reverse	Manual, 6 speed + Reverse Close gears ratio	
Clutch		Dry single disc, hydraulic	Dry single disc, hydraulic	
Differential		ZF Limited slip	Limited slip	

CHASSIS

	Units	DIABLO	DIABLO Eccentrica	Notes
Disc brakes in steel	mm (diameter)	Front 330 mm / Rear 284 mm	Front 380 mm / Rear 345 mm	BREMBO System
Brake Callipers	N° pistons	Front 4 / Rear 2	Front 6 / Rear 4 – Radial fixing	BREMBO System
Steering box		Rack and pinion, not assisted	Rack and pinion, hydraulically assisted	
Front Suspension		Double Wishbone, welded steel arms, Knuckle in casted Al alloy Single spring/damper strut Anti roll bar	Double Wishbone scheme, Control arms and Upright CNC milled Semi-Active dampers with lifter option Anti roll bar	
Rear Suspension		Double Wishbone, welded steel arms, Knuckle in casted Al alloy Double spring/damper strut Anti roll bar	Double Wishbone scheme Control arms and Upright CNC milled Semi-active dampers with lifter option Anti roll bar	
Body structure		Space Frame in steel welded square tubes	Space Frame in steel welded square tubes – Reinforced and stiffened with carbon fibre and sandwich panels	

BODY EXTERIOR

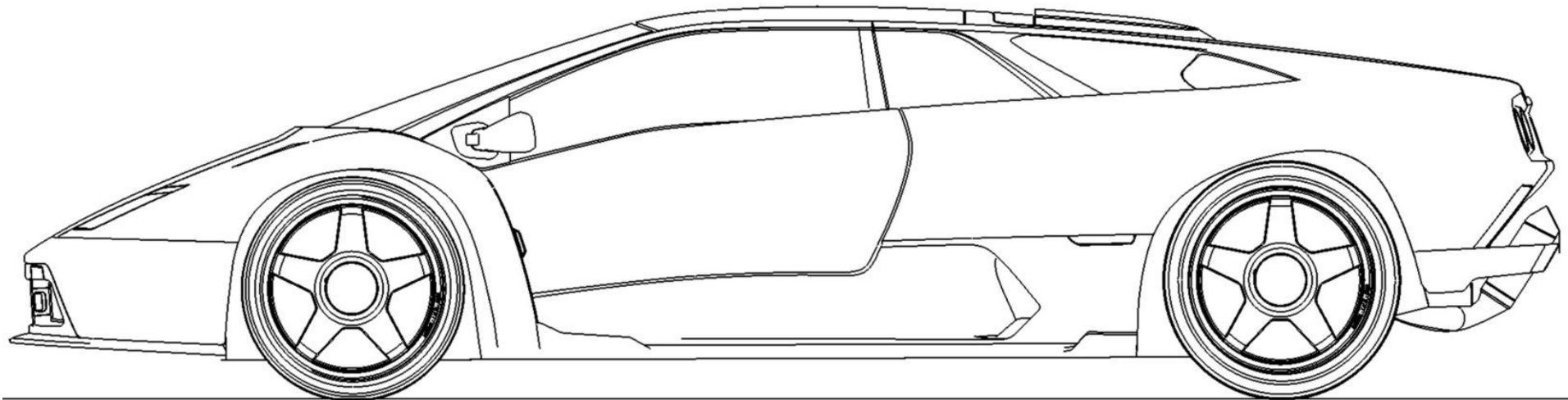
	Units	DIABLO	DIABLO Eccentrica	Notes
Exterior panels		Aluminium alloy sheet panels and composite panels	New panels in Pre-Preg Carbon fibre cured in Autoclave	Includes: front and rear bumper, front fender, body side rear, sill cover, front lid, rear engine lid, air scoops
Exterior grilles and details		In steel and Aluminium welded grille	New specific in Aluminium	
Front headlights		High/Low beam group pop-up type (normally hidden)	High/Low beam group protected by lids automatically operated with linear electric actuators (normally hidden)	

INTERIORS

	Units	DIABLO	DIABLO Eccentrica	Notes
Interior trim structure		Aluminium and composite panels	Pre-Preg carbon fibre structures cured at high temperature in autoclave	
Interiors upholstery		Leather	Combination of special leather / alcantara tailor made on Customer specifications	Details CNC milled or realized with PBF-L (Powder Bed Fusion-Laser) technology in Aluminium or Titanium alloy
Audio Hi-Fi System			High-end Marantz System	Audio partner

WHEELS AND TYRES

	Units	DIABLO	DIABLO Eccentrica	Notes
Tires Front / Rear		245/40 R17 / 335/35 R17	255/30 R19 / 325/30 R19	Tires PIRELLI TROFEO Race
Rims Front / Rear		Aluminium alloy Dimensions: R17 x 8.5J / R17 x 13J	Forged Aluminium alloy Dimensions: R19 x 9.5J / R19 x 12J	



↑
255/30-19
 D 635,6–L255
 Tyre shoulder 76,5

↑
325/30-19
 D 677,6–L325
 Tyre shoulder 97,5

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