

LANCER *EVOLUTION*



ALL-NEW
2009
Model Year

INFORMATION BULLETIN



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Exterior Design

model year 2009 LANCER EVOLUTION

New front-end design

The exterior design uses aerodynamics to create a deep sensation of continuous movement combined with an image of stylish boldness. The new Lancer Evolution features an advanced and aggressive front face new to Mitsubishi Motors sedans, combining an inverted-slant nose with a trapezoidal front grill to achieve efficient engine cooling with aerodynamic performance.



New rear bumper design

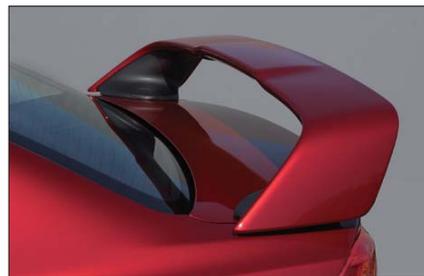
The lower part of the rear bumper uses a diffuser form to improve aerodynamics and give a stylish accent to the rear view. The rear combination lamps use a kick-form lens that promotes a smoother airflow.

2



ENKEI alloy wheels

The ENKEI 18-inch aluminum alloy wheels use a highly rigid design. After casting, the rims undergo a spinning process that makes them thinner and lighter while still increasing their strength.



Large rear spoiler

The large rear spoiler utilizes a unique design for optimal aerodynamic results. The curving form employs a varying shape, with different elevation angle between the center and the end sections, providing better airflow control and greater down-force. The rigid aluminum frame allows the upper and lower panels to adjust as needed, while the slim airfoil provides ideal stabilization.

Interior Design

model year 2009 LANCER EVOLUTION



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Standard interior features include one-touch anti-trapping power windows, leather wrapped steering/shift knob and multi information display.

Mechanical Features—1

model year 2009 LANCER EVOLUTION

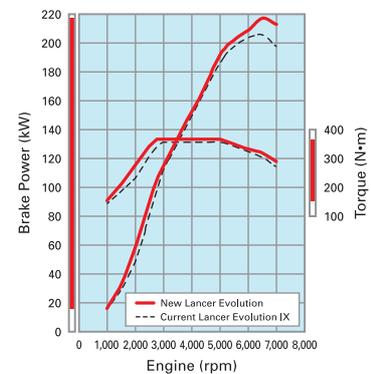
4B11 MIVEC engine



Mitsubishi Motors' Lancer Evolution IX received wide acclaim for its revolutionary 4G63 4-cylinder, 2.0-liter gasoline turbo engine, and now the New Lancer Evolution surpasses its predecessor with a 4B11 MIVEC twin scroll turbo engine. The new high-performance power plant has been developed to stand at the forefront of the motor sports field, yet also boasts improved fuel efficiency and emissions reduction.

Compared to the current 4G63 engine, the 4B11 MIVEC twin scroll turbo engine has the advantage of greatly enhanced responsiveness. With a maximum output of 217 kW (295 PS)/6,500 rpm and maximum torque of 366 N·m (37.3 kg·m)/3,500 rpm, it surpasses the torque capabilities of the 4G63, in addition to being tuned for greater torque across the low-rev range. This allows the transmission gear ratio to be adjusted for overall superior power efficiency.

The biggest difference in this engine is its cast aluminum cylinder block. Compared to the current model which uses a steel cylinder block, this engine is 12.5 kg lighter. Furthermore, the layout has been modified to place the air intake toward the front, and the exhaust toward the rear. Because the exhaust no longer needs to be run beneath the engine, the entire structure can be lowered by 10 mm, lowering the vehicle's overall center of gravity.



Aluminum compressor/Titanium-aluminum turbine turbocharger

In addition to being much lighter, the new compressor wheel design creates greater intake effectiveness for more torque at low- and mid-rev ranges, plus improved supercharger response.



Intake & exhaust system



The rear-oriented exhaust layout makes the exhaust piping shorter and more direct. In addition, output losses are reduced by the larger intake port, increased main muffler capacity and large-diameter dual tail pipe arrangement. The space saved by the new layout of the intake and rear exhaust, in addition to moving the battery to the trunk space, has made it possible to achieve a smoother airflow through the air filter and intercooler, with lower aerodynamic drag.

Mechanical Features—2

model year 2009 LANCER EVOLUTION

5-speed manual transmission

The 5-speed transmission has been optimized for the new Lancer Evolution's more efficient next-generation engine, delivering high torque performance even with its more compact design. The gearing from first to fourth gear is based on a cross-ratio that has been successful in motor sports, employing a large first gear ratio for better starts. Fifth gear ratio uses the same small size as the current model, delivering high cruising performance. A multi-synchro system for high-speed shifting has been adopted for first through third gears, as well as fourth and fifth gear, providing sporty shift control that's also highly durable. Shifting in the new Lancer Evolution is responsive and enjoyable, with a distinctively sporty sensation that makes the driver feel completely in control.



Light weight body



To reduce the overall vehicle weight, the roof panel, engine hood, front fenders and front and rear bumper beams have all been made with lightweight aluminum. In addition to increasing body rigidity while lowering weight, weight reduction has been focused on the upper part of the vehicle to improve control and performance.

brembo® ventilated disc brake

The diameter of the brakes has been increased to improve damping force and reduce the effects of brake fade. The 18-inch ventilated front disc brakes and 17-inch ventilated rear disc brakes were developed jointly with Brembo®.

Remarks:

These brakes do have a tendency to produce noise and brake dust, but this is a normal characteristic of high-performance brakes. After purchase the driver should try to avoid making emergency stops for the first 500 km.



SRS airbag

The driver's and front passenger's front dual-stage SRS airbags in the new Lancer Evolution inflate in two stages depending on the severity of the impact, minimizing the likelihood of injury. In addition,

the driver's knee airbag is included to safeguard the driver's legs and provide an even greater degree of full-body protection.

Standard Equipment - (1/2)

model year 2009 LANCER EVOLUTION

■ : Standard

CONTENTS			RS	
			LHD	RHD
			CZ4ASNDFZL	CZ4ASNDFZR
Drivetrain & Chassis				
Drivetrain		4WD	■	■
		Immobiliser	■	■
		Aluminium compressor + Titanium & Aluminium turbine turbocharger	■	■
		Intercooler with water spray	■	■
		Engine cover	■	■
		Active Centre Differential (with steering switch)	■	■
		Front LSD	■	■
		Rear LSD	■	■
Suspension	Front	MacPherson strut with coil spring & stabiliser bar	■	■
	Rear	Multi link & stabiliser bar	■	■
Tyre & Wheel	Fr & Rr	245/40R18 + 18" Alloy wheel <ENKEI>	■	■
	Spare	Tyre repair kit	■	■
Brake	Front	Disc 18" (Ventilated) 4pot <BREMBO>	■	■
	Rear	Disc 17" (Drum in) 2pot <BREMBO>	■	■
Others		Silence grade - Extra Low	■	■
		Front strut tower-bar	■	■
Exterior				
Bumper		Front & rear bumper (Colour-key)	■	■
Radiator Grill		Argent colour	■	■
Body		Aluminium roof, hood, fender, front & rear bumper beam	■	■
Door		Door outer handle (Black)	■	■
		Black door sashes	■	■
		Power window (Front & rear door) with safety function	■	■
Door mirror		Electronically controlled door mirror (Black)	■	■
		Manual folding function	■	■
Glass		Windshield - Laminated green	■	■
		Front & rear door window - Tempered green (UV-Cut)	■	■
		Rear window - Tempered green with hot wire (with timer)	■	■
Others		Chrome plated large muffler tail pipe (Dual type) with muffler cover	■	■
		Large side air dam	■	■
		Large rear spoiler	■	■
Ornament		"LANCER EVOLUTION" badge on rear left side	■	■
Interior				
Airbags		Driver, Passenger & Driver's knee (Dual stage)	■	■
Steering & Shift knob		Sport type leather-wrapped steering wheel	■	■
		Power steering	■	■
		Tilt column steering	■	■
		Leather-wrapped gearshift knob	■	■
		Parking Brake Lever urethane w/chrome plating button	■	■
Seats		Front faced fabric seats	■	■
	Front	Head restraint sewn type (height adjustable)	■	■
	Driver	Slide & reclining seats	■	■
	Pass	Slide & reclining seats with seatback pocket	■	■
Seatbelt	Front	Low-back type without headrest	■	■
		3P belt with ELR x 2	■	■
		Pretensioner with force limiter	■	■
		Belt anchor, adjustable type	■	■
Rear	3P belt with ELR x 3	■	■	
Door trim	Type	Formed type with cloth insert (Front & Rear door)	■	■
	Front	with moulded door pocket with bottle holder (both sides)	■	■
		with decorative ornament (material colour)	■	■
	Rear	with moulded door pocket (both sides)	■	■
Door		Door inner handle (material colour)	■	■
Locking system		Centre door locking system	■	■
		Multi mode keyless entry with 2 transmitters	■	■
		Child proof	■	■
		Trunk lid opener	■	■
		Fuel lid opener	■	■
		Ignition key cylinder with illumination	■	■

Standard Equipment - (2/2)

model year 2009 LANCER EVOLUTION

■ : Standard

CONTENTS		RS	
		LHD	RHD
		CZ4ASNDFZL	CZ4ASNDFZR
Interior (cont...)			
Roof	Non-woven fabric headlining	■	■
	Sunvisor (2 pcs)	■	■
	Vanity mirror with lid & ticket holder (both sides)	■	■
	Day & night rear view mirror	■	■
	Retractable assist grip (3 pcs)	■	■
	Coat hanger (1 pc)	■	■
Carpet	Carpets (Needle punch)	■	■
Meter	Combination meter cluster with rheostat & tachometer	■	■
	Multi information display	■	■
Instrument panel	Glovebox	■	■
	Ashtray	■	■
	with decorative ornament (material colour)	■	■
Floor console	Standard type with accessory socket & cup holder for front seat	■	■
Trunk	Cargo room trim	■	■
	Cargo floor mats	■	■
Others	Foot rest	■	■
	Simple tool set	■	■
	Jack set	■	■
A/C & Audio			
A/C	Air conditioner accommodation kit (minus A/C)	■	■
Audio system (& centre panel)	Audio accommodation kit with 2-DIN centre panel	■	■
	Speaker-less (Harness for 6 speakers & bracket)	■	■
	Roof antenna	■	■
Electrical			
Battery	65D26L (VRLA type)	■	■
Horn	Dual horn	■	■
Exterior lamps	Halogen headlamp (Clear lens) with auto off system	■	■
	Headlamp leveling device	■	■
	Rear fog lamp	■	■
	Hi-mount stop lamp on trunk lid	■	■
Interior lamps	Front room lamp with map lamp	■	■
	Rear room lamp	■	■
	Trunk room lamp	■	■
Wiper	Windshield intermittent (variable) with washer	■	■

Technical specifications

model year 2009 LANCER EVOLUTION

Engine		2.0 L
Price Class		RS
Transmission		5M/T
Emission level		Euro-4
Model code		CZ4ASNDFZL CZ4ASNDFZR
DIMENSIONS AND WEIGHTS		
Overall length	mm	4,495
Overall width	mm	1,810
Overall height	mm	1,480
Wheel base	mm	2,650
Track	Front	mm 1,545
	Rear	mm 1,545
Ground Clearance	mm	135
Curb weight	Front	kg 865
	Rear	kg 625
	Total	kg 1,490
Gross Vehicle Weight (GVW)	kg	2,040
Seating capacity	persons	5
PERFORMANCE		
Fuel consumption (L / 100km)	Combined	10.2
	Urban	13.6
	Extraurban	8.3
Max. speed	km/h	240
Min. turning radius	m	5.9
ENGINE		
Type	2.0-litre DOHC I/C T/C 16-valve MIVEC (4B11)	
Fuel type / Octane	Premium Unleaded / RON98	
Total displacement	cc	1998
Bore x stroke	mm	86.0 x 86.0
Compression ratio	9.0	
Max. output (EEC net)	kW (PS) / rpm 217 (295) / 6,500	
Max. torque (EEC net)	Nm (kgm) / rpm 366 (37.3) / 3,500	
FUEL SYSTEM		
Fuel supply equipment	ECI-MULTI	
Fuel tank capacity	lit.	55
ELECTRICAL SYSTEM		
Battery	65d26l	
Alternator	V-Ah	12-130
Starter	V-kW	12-1.4
TRANSMISSION		
Clutch type	Single, dry with diaphragm spring	
Clutch operating method	Hydraulic, pull-type	
Type	5-speed manual	
Gear Ratio	1st	2.857
	2nd	1.950
	3rd	1.444
	4th	1.096
	5th	0.761
	Reverse	2.892
Final	4.687	
STEERING		
Type	Rack & pinion with hydraulic power assist	
SUSPENSION		
Front	MacPherson strut, coil springs with stabiliser bar	
Rear	Multi link with stabiliser bar	
BRAKES		
Front	Disc 18" (Ventilated) 4pot <BREMBO>	
Rear	Disc 17" (Drum in) 2pot <BREMBO>	
Brake booster size	10" master vac	
TYRES		
Tyres (Front & Rear)	245/40R18	
Wheels (Front & Rear)	18" Alloy	
Spare tyre	Tyre repair kit	