

LANCER

Evolution IX

CONFIDENTIAL



2006
Model Year

INFORMATION BULLETIN

General Export

ASEAN Office
Overseas Operations Group Headquarters

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Introducing the 2006 Mitsubishi LANCER EVOLUTION IX for Motor Sport

Mitsubishi Motors proudly announces the further evolved 06MY Lancer Evolution IX, a race-based vehicle primarily designed to compete in motor sports events throughout the world, including Europe where STEP-4 emissions regulations are strictly enforced. With the goal of elevating motor sports fans' already extremely high regard for this rally-inspired legend, enhancements for 2006 focus on "higher levels of performance and driving quality."

Among the new features that are now standard equipment are a high-performance BREMBO braking system featuring Sports ABS (Anti-lock Braking System) with EBD (Electronic Brake-force Distribution), power windows and power door mirrors, MOMO leather-wrapped steering wheel, a fully automatic air conditioner, and a full exterior redesign, all of which significantly elevate the Evo IX's premium value.

A simple yet aggressive new front-end design serves the dual purpose of improving body aerodynamics and enhancing cooling of the new MIVEC turbocharged engine. The new rear-end design re-enforces the aggressive overall image, while the rear carbon-fiber spoiler's new hollow horizontal

wing improves handling performance by lowering the center of gravity.

Driving performance has been significantly improved through adoption of a highly responsive new MIVEC (Mitsubishi Innovative Valve timing Electronic Control) turbocharged engine, which produces a flatter, smoother torque curve for refreshingly exhilarating driving enjoyment. The new MIVEC engine's turbo also features the world's first magnesium compressor and titanium turbine turbocharger for mass-produced vehicles, contributing to the engine's unequalled combination of high performance and fuel efficiency, yet ensuring full compliance with STEP-4 emissions regulations.

Sold exclusively through Ralliart Inc., the Lancer Evolution IX will be available in the competition oriented RS model configuration, in either left- or right-hand drive. Since the Lancer Evolution IX is geared for competition, it will neither be warranted nor homologated for general production. In order to participate in competitions, the vehicle needs to be warranted to meet FIA regulations.



Production will begin in October 2005, with shipment to follow in October 2005.

Exterior Design

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New front-end design

The new front bumper was designed to present an impression of strength and stability, while inspiring the same image as the rally machine. A new intercooler intake duct improves both cooling efficiency and overall design.

Halogen headlamps with black extensions are consistent with the high-quality design, solidifying the impression of fearless aggression.



*The front number plate will vary according to market.



New rear bumper design

Totally appropriate for the renowned Evo series, the new rear bumper's integrated diffuser improves rear aerodynamics while adding to the model's racer image.

*The photos shown are Japanese market models.
The rear fog lamp is installed in the left rear combination lamp for your market.



Large carbon-fiber rear spoiler

The large carbon-fiber rear spoiler forces the air-flow upwards, increasing down force for greater handling stability.

As the rear spoiler is constructed entirely of carbon-fiber composite, the following conditions may appear: wavy surface; contrasting dark and light knit pattern; inconsistent spacing; undulating fibers; partially cloudy-white; partially red or yellow due to light refraction; and/or air bubbles within fibers. Please be advised that the above are all normal conditions and do not denote any inferiority of materials used.



ENKEI light alloy wheels

ENKEI 17" x 8.0JJ light alloy wheels reduce unsprung weight. The sporty design and dark gray tone promote an image of driving strength and handling stability.



BBS forged alloy wheels (OPT B54)

Renowned BBS 17" x 8.0JJ forged alloy wheels appeal to driving purists while also helping to reduce unsprung weight.

Interior Design

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The redesigned cockpit features a MOMO leather-wrapped steering wheel and fully automatic air conditioner as standard equipment.



Newly standard interior features include one-touch anti-trapping power windows, color-keyed inner door handles, and central door-locking system.

Note: This photo shown is Japanese market model. Actual interior will include cloth insert door trims, 2-DIN center panel, fully automatic air conditioner, and rear center 3-point ELR/ALR seatbelt.

The Lancer Evolution IX is a competition based vehicle, due to drastic reduction of noise insulation materials the interior noise and vibration level is inferior compared to normal vehicles.

Mechanical Features-1

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4G63 MIVEC engine

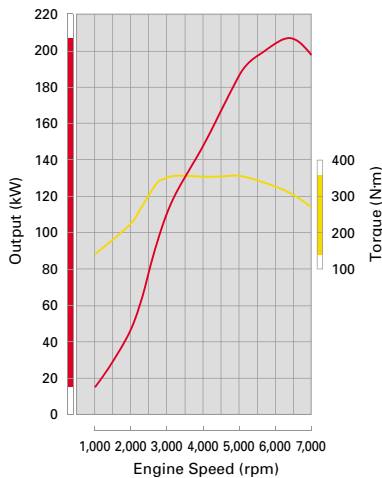


2.0-liter 16-valve DOHC MIVEC with intercooled turbocharged

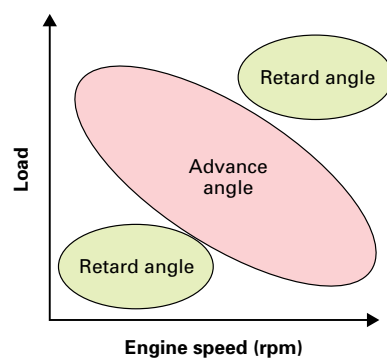
The powerful and highly efficient 4G63 MIVEC engine's adaptation of variable valve timing mated to the improved turbocharger enhances performance across the rpm range, from practical low-rev starts to dynamic high-rev racing. In addition to producing high response throughout a flat torque curve, MIVEC has additionally reduced fuel consumption by 3%.

Thanks to feedback from WRC competition, the turbocharger's diffuser section has been lengthened to improve torque in low- to mid-rpm ranges, ensuring quicker acceleration response as an added benefit. The world's first magnesium compressor and titanium turbine enhances the full range of turbo response, improving both starting and passing acceleration, while helping reduce overall weight. The new engine also complies with STEP-4 emissions regulations.

Engine performance curves



Intake valve timing



The opening and closing timings of the intake valve continuously vary according to the engine revolution and load. The efficiency of volumetric air intake, boosts torque at low and high speeds to improve fuel economy and minimizes exhaust emissions.

Improved turbocharger

Utilizing technologies proven in WRC competition, the Evolution IX's turbocharger allows the advanced MIVEC engine to pack even more air and fuel into the cylinders, significantly improving the engine's power-to-weight ratio for greater acceleration throughout the rpm range. Modification to the shape of the diffuser section further enhances supercharge response at low- to mid-range speeds.

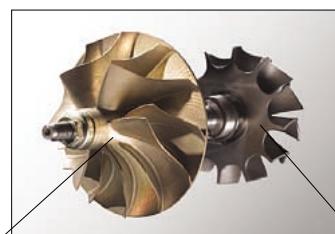
Altered the shape of the compressor cover



Increasing the diffuser section length improves response at low- to mid-range speeds

Magnesium compressor and titanium turbine

Adopting magnesium instead of aluminum for the compressor wheel dramatically improves the full range of supercharging response, while improving starting and passing acceleration and reducing overall weight.



Magnesium alloy utilized instead of aluminum alloy

Titanium alloy

Mechanical Features-2

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Weight reduction

Extensive research and development, added to feedback from WRC competition, has succeeded in significantly reducing overall weight. An all-aluminum roof plus aluminum side-door impact bars lower the center of gravity for more stable, accurate handling performance. An added benefit of the all-aluminum roof is increased overall rigidity. Other weight-reducing measures include the carbon-fiber rear spoiler, magnesium turbocharger, light alloy forged wheels (option) and aluminum hood.



Aluminum side impact bars



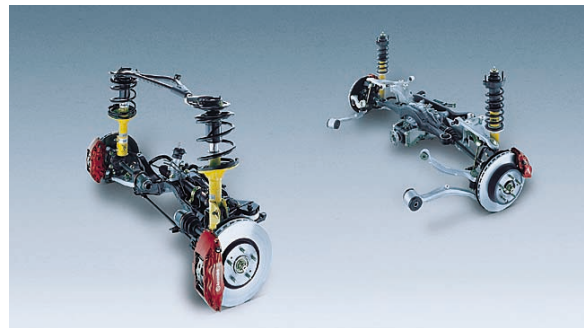
Aluminum roof panel

Suspension system with new BILSTEIN shock absorbers

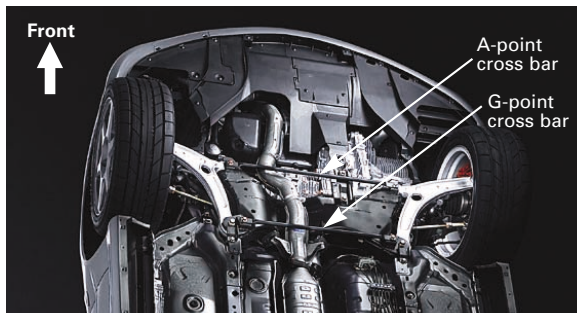
Developed in the grueling conditions of the WRC, the Evo IX's high-performance suspension featuring front McPherson struts with coil springs and stabilizer bar, backed by multi-links plus stabilizer bar in the rear, can handle any and all types of driving conditions. Weight reduction is achieved through the use of forged aluminum arms.

A high-performance BREMBO braking system ensures fade-free stopping power.

BILSTEIN shock absorbers were selected to improve road-holding performance across a wider range of road surfaces. These high-performance shock absorbers ensure that tires transfer engine power and stick to the road, while increasing high-speed cornering stability and reducing braking nose-dives.



BILSTEIN shock absorbers (OPT AK1)



Front A-point cross bar and rear G-point cross bar enhance overall suspension performance



Front

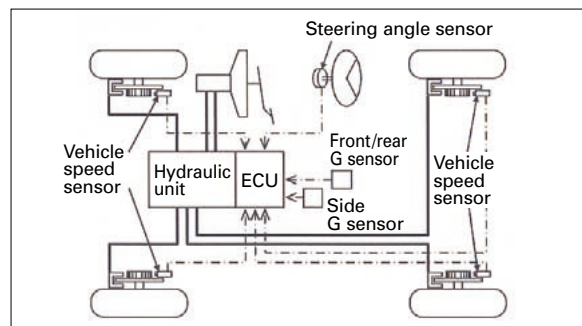


Rear

Sports ABS with EBD

The Evolution IX's Sports ABS controls each wheel independently, optimizing braking force as well as braking stability. Cornering performance is also enhanced, thanks to a steering wheel-angle sensor that constantly detects steering status while varying braking force during cornering.

Optimized ABS braking performance is the result of using steering wheel-angle sensors, plus front/rear/side G-force sensors, to precisely detect and compensate for actual driving conditions.



ABS system structure diagram

Model Line-up and Color Chart

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Model Line-up

Model Code		Price Class	Engine	Transmission
LHD	RHD			
CT9ASNDFZL	CT9ASNDFZR	RS	1,997 cc 16-valve DOHC MIVEC Intercooled Turbocharged ECI-MULTI (4G63)	5M/T (W5M51)

Bold: New

Color Chart

Price Class	RS	
Model Code	CT9ASNDFZL/R	
Interior Trim Code (Basic Color)	Normal seats	
	21X (Black)	
Exterior Color and Color Code	P23 Red Solid <P23>	○
	W37 White Solid <W37>	○
Seat Covering	Fabric (Black)	
Door Trim	Cloth Insert (Dark Gray)	
Headlining	Non-woven Fabric (Light Gray)	
Floor Carpet	Needle Punch Velour (Gray)	

○: Available **Bold:** New exterior trim code

Standard and Optional Equipment

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Standard Equipment

DRIVETRAIN/CHASSIS	Rear
Engine 2.0-liter 16-valve DOHC MIVEC intercooled turbocharged ECI-MULTI engine (4G63) (complies with STEP-4 emissions regulations) Water spray for intercooler Magnesium compressor and titanium turbine turbocharger Engine oil cooler (air cooler)	Roof antenna Large-type full carbon rear spoiler Rear window defoggers New design color-keyed rear bumper with integrated diffuser Rear fog lamp High-mount stop lamp on rear shelf Rear combination lamp extensions (black) Large tail pipe
Transmission 5-speed manual transmission (closed ratio type)	INTERIOR
Suspensions Front McPherson strut suspension with —Aluminum front lower arms —Inverted-type shock absorbers —Stabilizer bar — A and G point cross bars Rear multi-link suspension with —Aluminum rear suspension arms —Stabilizer bar Front strut tower bar Front cross-member	Cockpit Black-colored instrument panel MOMO leather-wrapped steering wheel Dual horn Driver's and front passenger's SRS front airbags Leather-wrapped gearshift knob with dark titanium-painted panel mph and km/h speedometer (270 km/h) Tachometer Digital trip/odometer Headlamp leveling device Digital quartz clock Fuel empty warning lamp Rear fog lamp indicator Seatbelt warning lamp Cigarette lighter Ashtray Fully automatic air conditioner Air filter Standard floor console box Cup holders Personal pocket Audio accommodation kit (harness, 2 speaker garnish)
BREMBO braking system Front 17" ventilated disc brakes with 4-pot calipers Rear 16" ventilated drum-in-disc brakes with 2-pot calipers 8" + 9" master vac brake booster Sports ABS with EBD	Doors Central door locking system Child-protection rear door locks Anti-trapping power windows One touch power window operation (driver's side only) Formed-type door trims Color-keyed inner door handles Front door pockets
Steering Rack-and-pinion steering Power steering Tilt-steering column	Seats Front-faced fabric seats Front seat sliding and reclining adjusters Front 3-point ELR seatbelt with pre-tensioner and force limiter × 2 Front height-adjustable seatbelt anchors Fixed low-back rear seat Rear 3-point ELR/ALR seatbelt × 3
Tires and wheels T35/45R17 tires T125/70D17 high-pressure spare tire 17" × 8.0JJ ENKEI M.A.T processed light alloy wheels	Headlining Sunvisors (2 pcs) with vanity mirror and lid/ticket holder Room lamp Map lamps Day-and-night rearview mirror Front passenger's retractable assist grip (1 pc)
Others Electronic immobilizer Full-time 4WD Front limited-slip differential (helical type) Active center differential Rear limited-slip differential (mechanical type) Rear end cross bar	Flooring Trunk lid opener Fuel lid opener Foot rest Fire-retardant materials
EXTERIOR	Trunk room Trunk room lamp Needle punch floor mat Trunk room trim
Front Aluminum hood with air outlet Multi-lensed halogen headlamps with clear outer lenses Headlamp extensions (dark argent) Amber turn signals New design color-keyed front bumper with integrated intercooler air intake duct Front bumper extension Green laminated windshield Fixed intermittent windshield wipers and washers with mist function Aluminum front blistered fenders Front large-type under cover with brake cooling air guide Aluminum roof	
Sides Aluminum side impact bars Side airdams Blacked-out door sashes Black electronically controlled door mirrors Black outer door handles	

Bold: New item

Optional Equipment

Option Code	Item	Remarks
AK1	BILSTEIN® shock absorbers	
B54	17" BBS forged alloy wheels	
BG9	Tire repair kit (spare tireless)	Please collect the empty sealant bottles from your dealers and/or customers after usage due to national regulations of chemical waste disposal

Bold: New item

Major Specifications and Dimensional Views

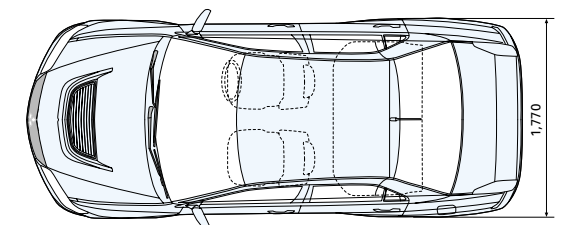
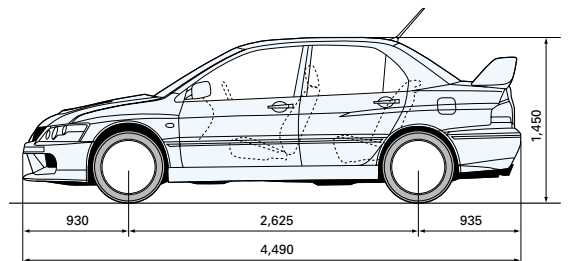
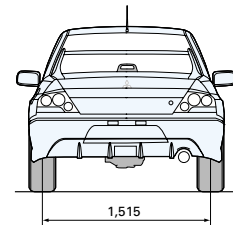
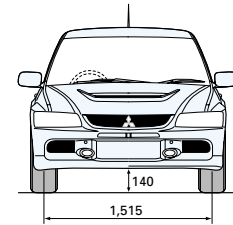
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Major Specifications

Model		RS	
Model code	LHD/RHD	CT9ASNDFZL	CT9ASNDFZR
Drive system	Full-time 4WD		
DIMENSIONS AND WEIGHT			
Overall length	mm	4,490	
Overall width	mm	1,770	
Overall height	mm	1,450	
Wheelbase	mm	2,625	
Track	Front	mm	1,515
	Rear	mm	1,515
Ground clearance	mm	140	
Cabin length	mm	1,880	
Cabin width	mm	1,425	
Cabin height	mm	1,185	
Curb weight	kg	1,380	
Seating capacity	5		
PERFORMANCE			
Minimum turning radius	m	5.9	
ENGINE			
Type	1,997 cc 16-valve DOHC MIVEC intercooled with magnesium compressor and titanium turbine turbocharger		
Total displacement	cc	1,997	
Bore × stroke	mm	85.0 × 88.0	
Compression ratio	8.8:1		
Max. output (EEC net)	kW(PS)/rpm	206 (280)/6,500	
Max. torque (EEC net)	N·m(kg-m)/rpm	355 (36.2)/3,500	
Fuel supply system	ECI-MULTI (Electronically controlled multi-point fuel injection)		
Fuel type/tank capacity (liters)	Unleaded premium/55		
TRANSMISSION			
Type	5-speed manual		
Gear ratio	1st	2.785	
	2nd	1.950	
	3rd	1.444	
	4th	1.096	
	5th	0.761	
	Reverse	3.416	
	Final	4.529	
STEERING			
Type	Rack-and-pinion (power-assisted)		
SUSPENSIONS			
Front	McPherson strut with inverted-type shock absorbers; stabilizer bar and aluminum lower arms, A and G point cross bars		
Rear	Multi-link with stabilizer bar; aluminum suspension arms		
BRAKES			
Front	BREMBO 17" ventilated discs (4-pot)		
Rear	BREMBO 16" ventilated drum-in discs (2-pot)		
TIRES AND WHEELS			
Tires (front and rear)	235/45R17		
Wheels (front and rear)	ENKEI 17" alloy wheels (8JJ)		

Note: These specifications are subject to change without notice. **Bold:** Revised

Dimensional Views



mm