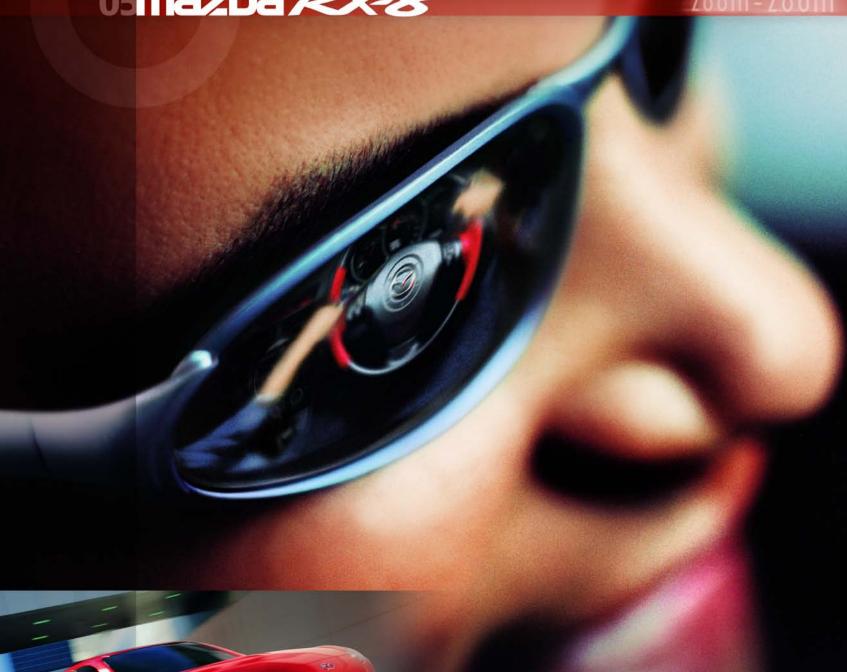


'05mazda RXS

200m - 200m



REDISCOVER THE ENGLOSSION OF MOTION.

It starts with a feeling. One that children instinctively know, and grown-ups want to recapture. It calls to mind words like exhilaration, liberation and joy. But we like the way children put it better: "Zoom-Zoom." It's what moves us to build the kind of vehicles we do. And why you'll find the soul of a sports car engineered into everything we make—including the world's only rotary-powered, 4-seat sports car. The ingenious Mazda RX-8.



"THE CAR'S REAL PROMISE IS SPORTS-CAR SATISFACTION COMBINED WITH GENUINE FOUR-SEAT PRACTICALITY. AND THE ICING ON THE CAKE IS A BARGAIN WINDOW STICKER."—CAR AND DRIVER (4/03)



Like most revolutions, this one's fueled by innovation. Because the Mazda RX-8 is a sports car like no other. From the way it looks and feels to how it's powered and performs, it's an original. With an award-winning 238-hp RENESIS rotary engine that redlines at 9,000 rpm* and rockets from 0 to 60 mph in 5.9 seconds.† A race-proven, sport-calibrated suspension. And a "Freestyle" door system that offers easy access to seating for 4 adults. Five fast minutes behind the wheel and the way you think about sports cars will never be the same.

*A 197-hp (7,500-rpm) paired with a 4-speed Sport AT automatic is also available. † Road & Track (4/03)

Today, the same award-winning RENESIS rotary engine found in the Mazda RX-8 also powers all competitors in the Star Mazda Racing Series. And many of the RX-8's rotary-powered predecessors continue to be raced in SCCA-sanctioned events. Still others amassed over 100 IMSA victories. Equally impressive, in 1991 a rotary-powered Mazda became the first and only Japanese entry to ever win the legendary 24 Hours of Le Mans, outrunning names like Porsche, Ferrari and Mercedes-Benz

THE ROTARY ENGINE also makes key contributions to the RX-8's stellar handling. Lighter and more compact than piston engines of comparable power, the RX-8's rotary powerplant produces an impressive power-to-weight ratio for spirited acceleration. And its compact design allows it to be placed lower and well-behind the front axle, which helps maintain an approximate 50:50 weight balance, lowers the center of gravity and enhances the RX-8's overall agility and stability.





V6 ENGINE

RENESIS ROTARY





RENESIS ROTARY

Low Polar Moment

EXEMPLARY HANDLING is promoted by positioning much of the RX-8's mass, including its powertrain and fuel tank, near the car's center point—its yaw axis. ("Yaw" is movement to the left or right.) This gives the RX-8 a "low-polar-moment-of-yaw" inertia, and makes it highly responsive to a change in direction. Cars with widely distributed masses have a "high-polar-moment-of-yaw" inertia and tend to be less responsive and harder to control.

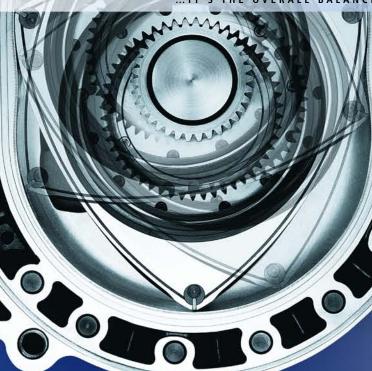


WEIGHT DISTRIBUTION significantly impacts a sports car's stability and handling. So the Mazda RX-8 is engineered to maintain an approximate 50:50 weight distribution, front to rear, regardless of passenger load. The end result is a remarkably agile, well-balanced design.



MORE THAN 40 YEARS of extensive research, development, racing and refinement went into the development of the RX-8's advanced RENESIS rotary engine. In fact, since 1961, Mazda has designed and built more than 80 different rotary engines in 2-, 3-, and even 4-rotor configurations. Better still, worldwide, Mazda has sold more than 1.8 million rotary-powered vehicles—including three generations of the RX-8's immediate sports-car predecessor, the legendary RX-7.

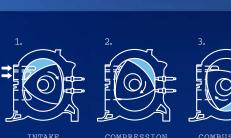
"...IT'S THE OVERALL BALANCE AND COORDINATION OF THIS CHASSIS COUPLED WITH THE RENESIS' INIMITABLE DELIVERY OF POWER THAT MAKES THE RX-8 SO REWARDING TO DRIVE."—ROAD & TRACK (4/03)

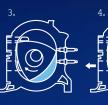


MAZDA'S INNOVATIVE RENESIS rotary engine was named "Best in Class, International Engine of the Year Awards 2004" by UK & International Press Automotive Magazines.

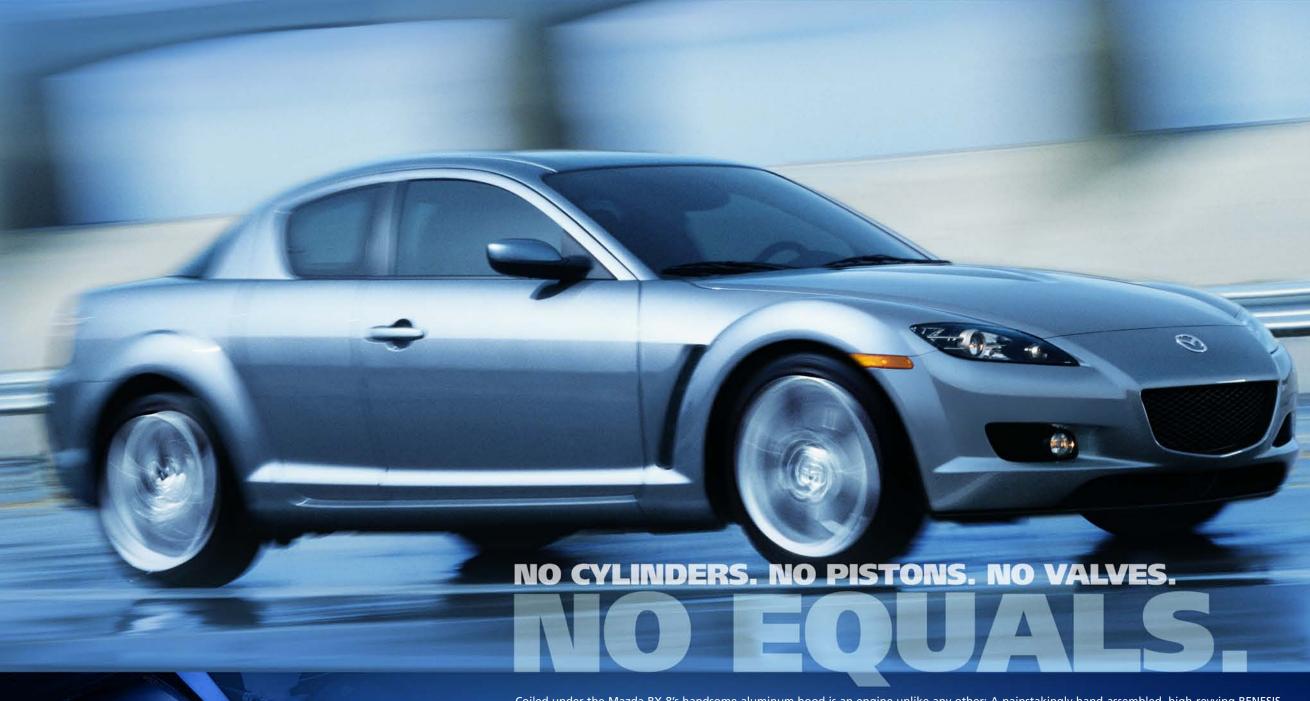
HOW A ROTARY WORKS: Unlike a conventional piston engine, the RX-8's rotary engine has no cylinders, pistons or valves. Instead, two triangular rotors, spinning within their own oval housings and around a common output shaft, smoothly generate all power. In a rotary, each of an internal combustion engine's four basic cycles occurs in a different section of the oval housing.

1. INTAKE STROKE: As an apex of the rotor passes the intake port, fuel-air mixture is drawn in. 2. COMPRESSION STROKE: The intake port is blocked and the fuel-air mixture is compressed. 3. COMBUSTION STROKE: The compressed fuel-mixture is ignited by two spark plugs. The force created by this combustion spins both rotor and shaft. 4. EXHAUST STROKE: The rotor's continuing orbit forces exhaust gases out the exhaust port. The cycle is then repeated.









Coiled under the Mazda RX-8's handsome aluminum hood is an engine unlike any other: A painstakingly hand-assembled, high-revving RENESIS rotary powerplant that's lighter and more compact than any piston engine of comparable power. An engine so advanced, it has no cylinders, pistons or valves—just three major moving parts and an outrageously broad powerband. Fact is, its many inherent advantages—including size, weight, reliability and power-to-weight ratio—make it the ideal sports-car engine. Which is why Mazda engineers literally designed the RX-8 around it.



WHEN IT COMES TO GETTING IT IN GEAR, IT DOESN'T MISS A TRIC

With two available engine/transmission choices, there's a Mazda RX-8 tailor-made for your driving style. For undiluted exhilaration, a highrevving 238-hp engine is offered with a short-throw 6-speed manual gearbox and lightweight, carbon-fiber driveshaft. For both convenience and fun, a spirited 197-hp version, with a 7,500-rpm redline, is paired with a 4-speed Sport AT automatic. Both choices include an integral Power Plant Frame (PPF) that marries engine, transmission and differential into a single, super-rigid unit, to minimize powertrain twisting and wasted power. A. A SHORT-THROW 6-SPEED manual gearbox is standard on the RX-8 in its 238-hp form, as are a Tochigi-Fuji torque-sensing limited-slip differential, carbon-fiber driveshaft, sport-tuned suspension and 18-inch alloys. B. & C. STEERING-WHEEL-MOUNTED PADDLE SHIFTERS, similar to those found on some race cars, accompany the 4-speed Sport AT automatic transmission/197-hp powertrain combination. The RX-8's Sport AT delivers the convenience of an automatic plus the fun of a manual mode that allows sequential shifting.





rear seatback. Unshackled from a traditional 2-seater's trade-offs, the Mazda RX-8 redefines the sports car—for a new generation.

IT'S GOT MOVES
/EN A RADAR GUN
CAN'T CATCH.







"THE RX-8 EXHIBITS PRECISION, EFFICIENCY, AND IMAGINATION. MAYBE IT'S BECAUSE THE MAZDA PEOPLE ARE REAL ENGINEERS."—AUTOMOBILE MAGAZINE (4/03)

EVERY BEHOLDER.





AT MAZDA, SAFETY NEVER TAKES A BACKSEAT TO PERFORMANCE

While the RX-8's styling and performance offer an exceptional value, the peace of mind provided by its matrix of safety features is priceless. Heading the list: Precise rack-and-pinion steering. Four-wheel disc brakes with ABS and Electronic Brakeforce Distribution (EBD). Even a Tire-Pressure Monitoring System (TPMS). Horizontal and vertical side reinforcement beams, special rear-door latches, plus a full array of air bags* and side-impact air curtains are also standard. A sophisticated Dynamic Stability Control (DSC) system with an integral Traction Control System (TCS) is available. As is a Tochigi-Fuji torque-sensing limited-slip differential (standard on 6-speed models). All of which proves safety is a beautiful thing.

A. SIDE REINFORCEMENT BEAMS in all four doors help deflect side-impact energy. The RX-8's unique "Freestyle" rear doors also utilize vertical reinforcement beams with special top-and-bottom latch mechanisms to eliminate the need for conventional center pillars and provide excellent side-impact protection.



B. ADDITIONAL SAFETY FEATURES include: Dual 2nd-generation, 2-stage front air bags;* front seat-mounted side-impact air bags;* plus side-impact air curtains with coverage for front and rear seats. C. AN ADVANCED DYNAMIC STABILITY CONTROL (DSC) system that monitors both throttle and brake functions, and also incorporates a Traction Control System (TCS), is available. It further enhances the RX-8's safety engineering, handling and performance under quick-changing driving conditions.

*Always wear your safety belt and secure children in the rear seat.

MECHANICAL FEATURES	RX-8 (6-speed)	RX-8 (automatic)	INTERIOR FEATURES	RX-8 (6-speed)	RX-8 (automatic)
Engine-oil cooler	S (Dual)	S	Dual 2nd-generation 2-stage front air bags*	S	S
Lightweight carbon-fiber driveshaft	S	_	■ Front seat-mounted side-impact air bags*	S	S
Tochigi-Fuji torque-sensing limited-slip differential	S	Р	Side-impact air curtains with coverage for front and rear seats	S	S
Rack-and-pinion steering with electric variable assist	S	S	3-point safety belts for all seating positions	S	S
■ Power-assisted 4-wheel disc brakes	S	S	Rear-seat LATCH and tether child-seat anchors	S	S
Anti-lock Brake System (ABS) with Electronic Brakeforce Distribution (EBD)	S	S	Reclining front bucket seats	S	S
■ Upgraded brake system with larger front brake discs	S	Р	4-passenger seating with rear bucket seats and trunk pass-through	S	S
Double-wishbone front suspension with light-alloy upper and lower arms,	S	S	Cloth-trimmed upholstery; carpet floor mats	S	S
suspension-tower brace, coil springs and stabilizer bar			Center console with covered storage, dual cup holders and 12-volt power point	S	S
Multilink rear suspension with low-mounted coil springs and stabilizer bar	S	S	Rear console with covered storage and dual cup holders	S	S
Sport-tuned suspension	S	Р	Overhead console with sunglasses holder and front map lights	S	S
Tire-Pressure Monitoring System (TPMS)	S	S	Power windows with driver's 1-touch-down feature	S	S
			Power door locks with 2-stage unlocking (driver's door; all doors)	S	S
EXTERIOR FEATURES			Remote keyless entry system with two transmitters	S	S
Twin bright-tipped exhaust outlets	S	S	Cruise control	S	S
16-inch alloy wheels with 225/55R16 high-performance tires	_	S	Tri-mode gauge lighting: blue (entry); white-on-black (daytime); red-on-black (nighttime)	S	S
18-inch alloy wheels with 225/45R18 high-performance tires	S	Р	Digital speedometer with dual trip odometers	S	S
"Freestyle" door system	S	S	Center instrument-panel display for clock, audio system, climate control	S	S
Aluminum hood and rear doors	S	S	and outside ambient temperature		
Flip-out rear quarter windows	S	S	Leather-wrapped 3-spoke tilt steering wheel with audio and cruise control switches	S	S
In-glass radio antenna; rear window defogger	S	S	Steering-wheel-mounted paddle shifters for Sport AT automatic transmission	_	S
Dual body-color power remote mirrors	S	5	Leather-wrapped gearshift knob	S	S
2-speed variable intermittent windshield wipers	ς	ς	Heater/defroster with CFC-free air conditioning and dust/pollen filter	S	S
Clear-lens halogen headlights with projector-type low beams	5	S	■ 100-watt AM/FM/CD stereo with 6 speakers, including 2 tweeters	S	S
cleariens halogen headilights with projector-type low beaffts	3	3	Antitheft alarm system with engine immobilizer	S	S

SPECIFICATIONS	RX-8 (6-speed)	RX-8 (automatic)
Engine size and type	1.3-liter RENESIS 2-rotor rotary	1.3-liter RENESIS 2-rotor rotary
Compression ratio	10.0:1	10.0:1
Engine intake configuration	6-port	4-port
Horsepower, SAE Net	238 @ 8500 rpm	197 @ 7200 rpm
Torque, SAE Net lb-ft	159 @ 5500	164 @ 5000
Transmission	6-speed manual	4-speed Sport AT automatic
Drivetrain/layout	Front mid-engine/rear-wheel drive with Power Plant Frame	Front mid-engine/rear-wheel drive with Power Plant Frame
Steering ratio	16.4:1 (3.0 turns, lock-to-lock)	16.4:1 (3.0 turns, lock-to-lock)
Turning circle	34.8 feet, curb-to-curb	34.8 feet, curb-to-curb
Front brakes	12.7-inch ventilated discs	11.9-inch ventilated discs (std.) 12.7-inch ventilated discs (avail.)
Rear brakes	11.9-inch ventilated discs	11.9-inch ventilated discs
Fuel capacity/recommended fuel	15.9 U.S. gallons/premium unleaded gasoline	15.9 U.S. gallons/premium unleaded gasoline
EPA estimated fuel economy, mpg	18 city/24 highway	18 city/24 highway
Curb weight with popular options (lbs)	3029	3053
DIMENSIONS (inches)	RX-8 (6-speed)	RX-8 (automatic)
Wheelbase/overall length	106.4/174.3	106.4/174.3
Overall width/height	69.7/52.8	69.7/52.8
Track, front/rear	58.9/59.3	58.9/59.3
Front headroom/legroom/shoulder room	38.2/42.7/54.9	38.2/42.7/54.9
Front headroom with moonroof	36.7	36.7
Rear headroom/legroom/shoulder room	36.8/32.2/54.9	36.8/32.2/54.9
Rear headroom with moonroof	36.5	36.5
Trunk volume, cubic feet	7.6	7.6

WHEEL OPTIONS



16-INCH ALLOY



18-INCH ALLOY

OPTIONS	RX-8
Navigation system:	0
DVD-based with retractable 7-inch LCD screen	
Rear wing spoiler	O/A
Front and rear splash guards (not available with Appearance Package)	O/A
In-dash 6-disc CD changer	O/A
Cassette player	O/A
Spare tire kit (trunk-mounted; includes wheel, tire and mounting hardware)	0
All-weather floor mats	O/A
Alarm shock sensor upgrade	O/A
Cargo tray	O/A
Collapsible cargo carrier	O/A
Cargo net	O/A
Door edge guards	O/A
Moonroof wind deflector (requires Touring or Grand Touring Package)	O/A

INTERIOR FABRICS



BLACK CLOTH



BLACK LEATHER



BLACK/RED LEATHER



BLACK/CHAPARRAL LEATHER

OPTION PACKAGES	RX-8
SPORT PACKAGE: Self-leveling Xenon HID low-beam headlights; fog lights; Dynamic Stability Control with traction control; limited-slip differential (standard on 6-speed); 18-inch wheels and tires (standard on 6-speed); larger front brakes (standard on 6-speed); sport-tuned suspension (standard on 6-speed)	
TOURING PACKAGE: Sport Package items plus 300-watt Bose® 9-speaker audio system with AUDIOPILOT automatic noise compensation technology; power sliding-glass moonroof; auto-dimming mirror with HomeLink® system	
GRAND TOURING PACKAGE: Touring Package items plus leather-trimmed seats; 8-way power driver's seat and lumbar support; heated front seats; heated mirrors	0
APPEARANCE PACKAGE: Front air dam, side and rear aero flares (not available with front and rear splash guards)	
ROTARY ACCENT PACKAGE: Polished front and rear rotary accents	

S: Standard O: Optional P: Package option A: Dealer-available accessory —: Not available * Always wear your safety belt and secure children in the rear seat.

PRODUCT CHANGES AND OPTIONS AVAILABILITY: Following publication of this brochure, certain changes in standard equipment, options, prices and the like, or product delays may have occurred which would not be included in these pages. Your Mazda dealer is your best source for up-to-date information. Mazda reserves the right to change product specifications at any time without incurring obligations. Options shown or described in this brochure are available at extra cost and may be offered only in combination with other options or subject to additional ordering requirements or limitations.

EXTERIOR COLORS



BRILLIANT BLACK CLEARCOAT Black Cloth, Black Leather, Black/Red Leather, Black/Chaparral Leather



WHITEWATER PEARL MICA
Black Cloth, Black Leather, Black/Red Leather



NORDIC GREEN MICA Black Cloth, Black Leather, Black/Chaparral Leather



VELOCITY RED MICA Black Cloth, Black Leather, Black/Red Leather, Black/Chaparral Leather



SUNLIGHT SILVER METALLIC
Black Cloth, Black Leather, Black/Red Leather



WINNING BLUE METALLIC Black Cloth, Black Leather



TITANIUM GRAY METALLIC
Black Cloth, Black Leather, Black/Red Leather,
Black/Chaparral Leather

MAKING YOUR MAZDA YOURS ALONE

Part of the joy of owning a new Mazda RX-8 is personalizing it. And the best way to enhance its appearance or performance is with Genuine Mazda Accessories. In fact, all Genuine Mazda Accessories installed by your Mazda dealer prior to or at initial vehicle retail delivery, carry the same new-vehicle limited warranty as your new Mazda. See your dealer for details.



- Grille trim ring
- Fog lights ²
- Front air dam ³
- Polished front rotary accent
- Polished rear rotary accent
- Full front maskFront splash guards
- Polished aluminum fender strakes
- Door edge guards
- Side aero flares
- 18-inch polished aluminum wheels
- Rotor-shaped valve stem caps
- Wheel centers ⁶
- Rear splash guards 5
- Rear aero flares 4
- Rear wing spoiler
- Moonroof wind deflector

- Car cover 9
- Car cover cable lock
- B-pillar appliqué
- Exhaust finishersAldehvde filter
- Windshield sunscreen
- Cassette player
- In-dash 6-disc CD changer
- CD/MP3 player
- MiniDisc player
- PhatNoise[™] car audio system
- Leather parking-brake lever
- Leather gearshift knob with rotary emblem

• SIRIUS Satellite Radio receiver kit*

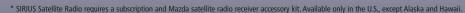
- Leather year
- Night lights ⁷
 Aluminum accelerator pedal ⁸
- Aluminum brake pedal ⁸

- Aluminum foot rest ⁸
 - Aluminum door sill trim plates
 - Aluminum air vent bezels
 - Aluminum-tone power window switches
 - Carpet floor mats
 - Premium carpet floor mats
 - All-weather floor mats
 - Rear door trim protectors
 - Spare tire mounting kit 10
 - Cargo tray
- audio system Cargo organizer
 - Collapsible cargo carrier
 - Cargo net
 - First aid kit
 - Roadside assistance kit
 - Wheel locks
 - Touch-up paint



PHATNOISE™ CAR AUDIO SYSTEM. Listen to the equivalent of up to 500 CDs on your Mazda's stereo system with a PhatNoise™ 20GB digital media cartridge and trunk-mounted digital media player. Plays MP3, WMA, FLAC, and Audible formats. Complete with USB Desktop Cradle, software and mounting hardware.

1: cannot be used with front air dam and automatic transmission 2: blue-tint, clear, or multi-tint 3: cannot be used with grille trim ring and automatic transmission 4: cannot be used with rear splash guards 5: cannot be used with rear aero flares 6: polished with Mazda emblem or black with rotary emblem 7: driver/passenger 8: with automatic transmission 9: available in 4 color combinations 10: includes mounting hardware and wheel; tire sold separately



WITH 10 EXHILARATING MODELS, Mazda makes it easier than ever to satisfy your practical needs. And your emotional ones. So treat yourself to the Mazda Test-Drive Experience. Put the Mazda RX-8 of your choice through its paces. Down local streets, on-ramps, highways, and off-ramps. Through straightaways, S-curves and corners. Discover the responsive acceleration and steering, superb braking and surefooted handling that set every Mazda apart. And in the process, rediscover that elusive emotion of motion—that fun, connected-to-the-road feeling—that we like to call "Zoom-Zoom."

Peace of mind is another feeling that comes standard on a Mazda. Because every new Mazda is covered by the 2005 Mazda Driver's Assurance Plan, one of the industry's most comprehensive new-vehicle warranties. It includes a 48-month/50,000-mile, "bumper-to-bumper" Limited Warranty plus 24/7 Emergency Roadside Assistance. And should your Mazda RX-8 require a warranty repair, the Mazda Service Transportation Solution can typically provide another vehicle to drive. After all, we want your new Mazda to be a source of pride and exhilaration, for years to come. See your Mazda dealer for details.



MazdaUSA.com

Bring yourself up to speed. For more motorized fun of the virtual variety, park your Web browser at MazdaUSA.com. It's the perfect place to scope out all the 2005 Mazdas. Score seasonal incentives or special service offers. Pick up handy maintenance tips. And get updates on driving technology, tuning and motorsports at Mazda's MAZDASPEED Section. You can even "build" the Mazda RX-8 of your dreams. Request a quote. And locate a Mazda dealer. So remember to add MazdaUSA.com to your Web browser's list of "Favorites."



