

■ Power play: The M3's new 3.2-liter, inline 6-cylinder engine also powers the M roadster and M coupe.



The 2001 M Lineup:

Five Powerful Ways to Express Your Passion for Driving

The most powerful and extensive M lineup ever is arriving at your BMW Center, just in time for the summer driving season. At the risk of making your decision somewhat difficult, yet immensely pleasant, you now can choose to express your passion for driving from a selection of M cars that includes the fastest sports sedan ever built, a 333-horsepower coupe, a gorgeous high-performance convertible, a classic roadster and a no-compromise, two-seater, grand touring coupe.

Based on its performance, it may not be fair to call the M5 a sedan. The 2001 M5, powered by a 5-liter V8 engine that develops 394 horsepower and 368 pounds foot of torque, has a fresh look with headlights featuring illuminated rings and round parking lights and turn signals under clear covers and clear taillight lenses. Inside the car that *Motor Trend* called "simply the greatest super-sedan ever produced" and *Car and Driver* concluded is "the most desirable sedan in the world," is a new M multi-function 3-spoke steering wheel with a new hub, thicker

Mbriefing

by Tom Salkowsky
M Brand Manager

Lately the pace of activity in the BMW M and Motorsport departments has been almost as fast as our cars. We are operating at full-throttle introducing new cars and engines and implementing significant changes in our racing programs.

As you'll read in this issue of *Mdriver*, we now have five M cars in

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Mlineup

rim and revised multi-function switches.

The BMW Onboard Navigation System monitor is now larger, a solar sensor has been added to the automatic climate control system and an elegant Alcantara headliner is standard with all upholstery and trim options. The M5's second-generation M Mobility System can seal punctures up to 4 millimeters in diameter. A new M audio system with upgraded speakers and enhanced bass is optional in place of the M5's standard super-premium audio system.

Learn more about these detail changes and more at the [M5](#) section of the BMW website. Did we mention it has four doors and a very comfortable back seat?

New M3 coupes are arriving now at BMW Centers. What is it like to drive the 333-horsepower coupe? *Road & Track's* Paul Hong said, "After a brief stint in the M3, I can already report that the car is dangerously addictive." Pete Lyons, writing in *Autoweek*, said, "there's no denying that the car is sensational, and very easy to drive fast." M3 convertibles, two words that when used together immediately get the undivided attention of open-air driving fans, will make their appearance about a month from now. Visit the [M3 coupe](#) or convertible pages on the BMW website to build your version of the M3, a car that makes even a drive to the mall a power trip.

Many M drivers and enthusiasts predicted that the [M roadster](#) and [M coupe](#) would also use the new M3's engine. They were right. The new classic roadsters and no-compromise GT coupes, each with a healthy 75-horsepower boost, will arrive at your BMW Center in late spring. (The reason the M coupe and roadster engines produce

slightly less horsepower than the M3 mainly due to air intake.) In addition, the [M roadster](#) and [M coupe](#) also feature an upgrad-

■ **The anxiously awaited M3 coupe is at your your BMW Center now.**



ed front and rear suspension, Dynamic Stability Control, a tire pressure monitoring system and an automatic-dimming interior mirror as standard equipment.

If you simply can't wait to see them at your BMW Center, all five M cars, along with the X coupe and the Z9 convertible concept cars, will be on display at the BMW exhibit during the 100th anniversary edition of the New York International Auto Show at the Jacob K. Javits Convention Center in Manhattan, April 13-22. For further informa-

■ **Open-air elegance with 333-horsepower, M style.**



tion, visit the show's website at www.autoshowny.com.

If you still can't decide which M car is best for you, there is another alternative. Call an architect and ask to see plans for a five-car garage.



■ **Were four-door sedans ever meant to be this much fun? They can be if their name begins with an "M."**

place to satisfy just about any driving enthusiast's taste. On the track, our Formula 1 and M3 racing efforts feature new cars, new engines and some new faces in their cockpits.

I've had some very good discussions with many of you at auto shows, races and BMW Car Club of America events over the past few months. One of the most frequently asked questions I hear concerns the delayed arrival of the new M3 coupe and convertible. Let me address that issue by explaining a decision we made in response to an unforeseen development.

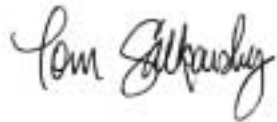
Near the end of the M3's engine-testing program, M engineers discovered a component that did not meet their specifications under extreme testing. Rather than press ahead to meet announced delivery dates, a decision was made to correct the issue. That pushed M3 coupe deliveries back about 12 weeks. The rationale is simple. We want our vehicles to be perfect so they meet your expectations. We are confident that you would rather wait a few weeks and take delivery of the best car we can give you. That is why the cars are just now arriving.

The second-most-asked question I hear also has to do with an M3 engine – the V8 in the new M3 GTR race car competing in the American Le Mans Series. As many of you know, Team BMW Motorsport debuted the GTR and its 4-liter, 400+-horsepower V8 at Sebring a few weeks ago where it finished third in the GT class. BMW of North America supported Prototype Technology Group (PTG), who successfully campaigned M3s for six years, will have its pair of GTRs ready, at the next U.S. race at Sears Point Raceway in Sonoma, Calif., July 22. The GTR is designed specifically to help BMW in the battle against Porsche on the race track. A street version of the V8-powered M3 is scheduled to be built to comply with ACO regulations. However, due to the impossibility of meeting U.S. safety and emissions standards, we will not be able to offer the car for sale in North America.

Feedback from participants in the M5 owner program and the other driving schools at the BMW Performance Center in Spartanburg, S.C., has been extremely positive. That's why we're adding an M driving school to our curriculum. The intensive two-day program will feature instruction in many of the new M cars and utilize the center's 1.7-mile safety course, water wall, skid pad and a second location for high-performance driving instruction. Watch future issues of *Mdriver* for details.

Finally, if you are not already a member, I encourage you to join the BMW Car Club of America. The club boasts over 55,000 members in local chapters across the country. In addition to its superb monthly magazine, *Roundel*, and numerous social events, the club offers members an opportunity to participate in a wide variety of driving events, designed to let you experience your M car's capabilities in a safe environment, such as high-performance driving schools, autocrosses, rallies and even a racing program. If you are an M driver you should be a BMW CCA member.

Enjoy your M car,




BMW Motorsport 2001: Strength in Every Respect

BMW Motorsport begins the 2001 racing season with an impressive armada of teams, drivers and cars. The major focus this year is the Formula 1 World Championship and the American Le Mans Series.

This is the second season for the enormously successful BMW.WilliamsF1 team. In this season's first three races, the combination of the Williams FW23 chassis and the second-generation BMW V10 engine has proved very competitive. In the Brazilian Grand Prix, Ralf Schumacher qualified second-fastest and Juan Pablo Montoya led the race until he was sidelined by an accident.

After winning the 1999 CART FedEx Championship and the 2000 Indianapolis 500, Juan Pablo Montoya joins

Schumacher to make one of the strongest driver pairings on the Formula 1 grid. Jenson Button, who began his F1 career last year with BMW.WilliamsF1, has moved to the Benetton team.

F1 comes to North America on June 10 for the Canadian Grand Prix in Montreal and the United States Grand Prix September 30 at the Indianapolis Motor Speedway.

■ **Sunshine State debut: JJ Lehto drives the Team BMW Motorsport M3 GTR to third place in its debut at this year's 12 Hours of Sebring. The GTR is powered by a 4-liter, 400-horsepower V8 engine. Both M3 teams will field a pair of M3 GTRs at the Sears Point ALMS race in July.**

Mmotorsport

BMW is fielding two teams in the hotly contested American Le Mans Series for sports and grand touring cars. Team BMW Motorsport, run by the Schnitzer team that successfully campaigned the BMW V12 LMR sports cars in 1999 and 2000, and BMW Team PTG will each field a pair of M3

coupes in the fight for GT class honors. The Motorsport team debuted the sensational M3 GTR at Sebring a few weeks ago. Driven by JJ Lehto and Jörg Müller, the 4-liter, 400+-horsepower, V8-engined M3 finished third in the GT class.

By the Sears Point, Calif., race in July, all

four M3s will be V8 GTRs. In compliance with ALMS regulations established by France's Automobile Club de l'Ouest (A.C.O.), which also organizes the 24 Hours of Le Mans, BMW Motorsport will offer the cars for sale and supply is based primarily on demand. The cars will be intended primarily for

customer racing. Road-going GTRs will not be sold in the North American market due to extensive U.S. safety and emissions standards. Information about these special M3s will be released at a later date.

Our M3 race drivers are among the best in the business. Motorsport drivers

include Le Mans winners JJ Lehto and Jörg Müller along with Fredrik Ekblom and former Porsche driver Dirk Müller. Driving for PTG are veterans Hans Stuck, Bill Auberlen, Boris Said and Niclas Jonsson.

Complete F1 and ALMS schedules and television information are included in this issue of *Mdriver*.



■ A lot happens in an F1 car in the blink of an eye.

M Race Garage

The BMW.WilliamsF1 team began the 2001 season with an all-new V10 engine. BMW Motorsport Director Dr. Mario Theissen said last year's engine "was ideal for our 'apprentice year,'" but in order to capitalize on the numerous lessons learned, a new engine was necessary.

Although most engine details are closely guarded secrets, Theissen allowed that the new power plant is lighter, more powerful and has a lower center of gravity than its predecessor, thanks primarily to its 90-degree

2001 BMW V10 FORMULA 1 ENGINE

Specifications

Engine design	10-cylinder V-configuration
Induction	Normally aspirated
Cylinder angle	90 degrees
Displacement	2998 cc
Valves	Four per cylinder
Valve drive	Pneumatic
Engine block	Aluminum
Cylinder heads	Aluminum
Crankshaft	Steel
Oil system	Dry-sump lubrication
Engine management	BMW

Mfactoid:

One Second in Formula 1

Here's what happens in a Formula 1 car moving at 223 mph in the time it takes you to blink your eye:

- 300 engine revolutions
- 1,500 ignitions
- 50 wheel rotations
- Pistons travel 82 feet
- 118 gallons of air are ingested
- 150,000 pieces of engine and car data are gathered and processed
- 40 kb of data are transmitted by telemetry and processed

cylinder angle, compared with last year's 70-degree arrangement.

To keep up with Formula 1's relentless pace, development of the new engine began before last year's first Grand Prix. The new engine initially ran on a dynamometer at Motorsport's engine facility in Munich on September 25 and had its first outing in a car on October 11.

Frank Williams

Frank Williams personifies courage and determination. Williams, 59, is the managing director of BMW.WilliamsF1 Team. He began his career in motorsports management in the mid-1960s, fielding cars in the European Formula 2 championship.

In 1969, Williams moved to Formula 1, running the Italian de Tomaso team with his close friend Piers Courage driving. Courage was killed in the 1970 Dutch Grand

Prix, a devastating personal loss to Williams. Overcoming that tragedy, he formed Williams Grand Prix Engineering in 1977 with Patrick Head, who became its technical director. The talented combination produced the most successful F1 team of the 1980s and 1990s, winning its first constructor and driver championships in only its third season.

Tragedy struck again in 1986, this time to Williams himself. Driving from a

pre-season test session at France's Paul Ricard circuit to an airport, his car went off the road and overturned in a farm field. Williams suffered injuries that left him confined to a wheelchair. Calling on his resolve again, he led his team to additional titles. In all, Williams has won 103 Grand Prix victories, nine FIA Formula 1 World Constructors' Championships (1980, '81, '86 '87, '92, '93, '94, '96 and '97) and seven FIA World Drivers' Championships with drivers Alan Jones

(1980), Keke Rosberg (1982), Nelson Piquet (1987), Nigel Mansell (1992), Alain Prost (1993), Damon Hill (1996) and Jacques Villeneuve (1997). The team was twice honored with the Queen's Award for Export Achievement in 1981 and 1994. Queen Elizabeth

awarded Williams a knighthood in 1999.

"I think with Ralf [Schumacher] and Juan Pablo [Montoya], the team is well balanced in terms of talent and potential performance," Williams said of his drivers for this year. When asked how he selects drivers, he responded, "A driver must be sensationally quick, must be intelligent and willing to work terribly hard, mentally and physically."



■ Frank Williams, managing director of BMW.WilliamsF1

Visit BMW Motorsport Online

BMW Motorsport recently launched a new website www.bmw-motorsport.com. The site chronicles the philosophy and history of BMW's successful racing subsidiary, including a virtual tour of BMW Mobile Tradition's sensational museum in Munich. The site provides an inside look at today's Formula 1 racing technology, including a three-dimensional model of last year's F1 engine and up-to-the-minute information on this year's Grand Prix season. You'll also find a wide selection of BMW.WilliamsF1 merchandise at the Pit Shop.



2001 FORMULA 1 WORLD DRIVERS' CHAMPIONSHIP

Driver/Finish	Australia	Malaysia	Brazil	Place
Ralf Schumacher	DNF	5th	DNF	7th
Juan Pablo Montoya	DNF *	DNF	DNF	0

2001 FORMULA 1 WORLD CONSTRUCTORS' CHAMPIONSHIP

Team/Points	Australia	Malaysia	Brazil	Place
BMW.WilliamsF1	0	2	0	6th

* DNF = Did Not Finish

2001 AMERICAN LE MANS SERIES TEAM BMW MOTORSPORT & TEAM BMW PTG

BMW M3 COUPE/M3 GTR

Driver/Finish	Texas	Sebring	Place
Boris Said	3rd	4th	5th (tie)
Hans Stuck	3rd	4th	5th
Jörg Müller	5th	3rd	6th
JJ Lehto	5th	3rd	7th
Bill Auberlen	7th	DNF	19th (tie)
Niclas Jonsson	7th	DNF	19th
Fredrik Ekblom	DNS	8th	20th (tie)
Dirk Müller	DNS	8th	20th

* DNS = Did Not Start

2001 AMERICAN LE MANS SERIES TEAM CHAMPIONSHIP

Team/Points	Texas	Sebring	Place
Team BMW PTG	21	22	2nd
Team BMW Motorsport	17	24	3rd

Mcalendar

2001 FIA FORMULA 1 WORLD CHAMPIONSHIP

Speedvision televises all Formula 1 races live. Check www.speedvision.com for time.

DATE	GRAND PRIX	LOCATION
April 1	Brazil	Sao Paulo
April 15	San Marino	Imola
April 29	Spain	Barcelona
May 13	Austria	Spielberg
May 27	Monaco	Monaco
June 10	Canada	Montreal
June 24	Europe	Nürburgring
July 1	France	Magny-Cours
July 15	Great Britain	Silverstone
July 29	Germany	Hockenheim
Aug. 19	Hungary	Budapest
Sept. 2	Belgium	Spa-Francorchamps
Sept. 16	Italy	Monza
Sept. 30	United States	Indianapolis
Oct. 14	Japan	Suzuka

2001 AMERICAN LE MANS SERIES

DATE	LOCATION	TELEVISION COVERAGE
July 22	Sears Point Raceway, Sonoma, CA	NBC Sports
Aug. 5	Portland International Raceway, Portland, OR	Speedvision/Fox Sports
Aug. 19	Mosport International Raceway, Bomanville, ONT	NBC Sports
Aug. 26	TBA	TBA
Sept. 9	Laguna Seca Raceway, Monterey, CA	NBC Sports
Oct. 6	Road Atlanta, Braselton, GA	Speedvision/Fox Sports (delayed)
Oct. 21	Lowe's Motor Speedway, Charlotte, NC	Speedvision/Fox Sports (delayed)

BMW CAR CLUB OF AMERICA HIGH-PERFORMANCE DRIVING SCHOOLS

For information about BMW CCA high-performance driving schools conducted throughout the country, contact the club's office at 617-492-2500.

HOT LINK:

Click on text in bold face and you will linked to the appropriate Web Site.

Click here for information about the [BMW CCA Club Racing](#) program.

BMW M OPPORTUNITIES:

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Fax: 011-49-89-3 29 03 3 62

Internet: www.bmw.de/fahrertraining

BMW PERFORMANCE CENTER

For information about safety driving schools at the BMW Performance Center in Spartanburg, S.C., visit the Center's website www.bmwusa.com or call 1-888-345-4BMW (4269).

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