

**DINAN E60 M5**

**2007-2008**



***Performance Without Sacrifice***

# DINAN SIGNATURE SERIES PACKAGES



## 4 Year / 50,000 Mile Warranty

Contact a Dinan Representative or visit [dinancars.com](http://dinancars.com) for information on the most extensive line of E60 M5 products available, all backed by the only guarantee that matches the new car warranty coverage up to 4 years or 50,000 miles.

*"...Dinan builds cars by examining each area of performance, applying sound engineering principles and executing them with a precision found only at the world's finest tuners. Then as now, I'm in awe."*

*- european car*

Inspired by 29 years of BMW performance tuning and racing experience, the Dinan Signature Series features carefully engineered, balanced high performance solutions for the M5 driver, backed by the only guarantee that matches the new car warranty coverage for up to 4 years/50,000 miles. The enhanced performance can be enjoyed without compromising warranty coverage or the reliability expected of a BMW M5.

Each Dinan Signature Series M5 is adorned with the handsome Dinan deck lid badge, as well as a serial numbered plaque, verifying authenticity and making the cars that much more exclusive. As a final touch, Dinan aluminum pedal pads are included, adding a tasteful performance look to the sumptuous interior.

*"Fact is, anyone with a breath of life would ache to motor one of Dinan's tuned and tweaked BMWs."*

*-Autoweek*

## Dinan S-M5 507 Horsepower @ 7500 rpm / 373 lb-ft Torque @ 6200 rpm

Includes: Free Flow Exhaust; Carbon Fiber Front Strut Brace; Stage 2 Suspension System; Dinan Pedal Pads; Deck Lid Badge; Serial Numbered Dinan-S Plaque

## Dinan S1-M5 527 Horsepower @ 7500 rpm / 387 lb-ft Torque @ 6400 rpm

Includes: Stage 3 Engine Software; Free Flow Exhaust; High Flow Air Mass Meter/Intake Assemblies; Stage 2 Suspension System; Carbon Fiber Front Strut Brace; Dinan Pedal Pads; Dinan Deck Lid Badge; Serial Numbered Dinan-S1 Plaque



## Dinan S2-M5 542 Horsepower @ 7500 rpm / 398 lb-ft Torque @ 6400 rpm

Includes: Stage 3 Engine Software; Free Flow Exhaust; Cold Air Intake; High Flow Air Mass Meter/Intake Assemblies; High Flow Throttle Bodies; Under-Drive Pulley; Stage 2 Suspension System; Carbon Fiber Front Strut and Rear Shock Braces; 3.91 Limited Slip Differential; Dinan Pedal Pads; Dinan Deck Lid Badge; Serial Numbered Dinan-S2 Plaque

## Dinan S3-M5 611 Horsepower @ 7500 rpm / 468 lb-ft Torque @ 6000 rpm

Includes: Dinan 5.7L V-10 Engine; Engine Management Software; Free Flow Exhaust; High Flow Air Mass Meter/Intake Assemblies; High Flow Throttle Bodies; Under Drive Pulley; Stage 3 Suspension System; Carbon Fiber Front Strut and Rear Shock Braces; Dinan/Brembo 4-Wheel Brake Conversion; Dinan Pedal Pads; Dinan Deck Lid Badge; Serial Numbered Dinan-S3 Plaque



# ENGINE PERFORMANCE

## Performance Engine Software

2 badge points

Dinan performance software recalibrates the M5 engine management system for snappier throttle response, increased power output and improved drivability. The rev-limit is increased by 150 to 8400 rpm and the factory top-speed governor has been removed. The software also provides re-calibration of the factory "torque limiting" programming, ensuring that maximum power is available under varying driving conditions. Additional stages of Dinan engine software are also available for use with specific combinations of Dinan products, ensuring the best possible performance and drivability.

+15 hp @ 8100 rpm / +15 lb-ft torque @ 3000 rpm\*

\*Dyno tested without factory hydrocarbon filters.

## Free Flow Rear Mufflers

3 badge points

Reduced weight, 100% 304-stainless steel construction, a great sporty exhaust note and superior flow make for the best performing M5 mufflers on the market. Four 3.5" polished stainless steel tips give the cars a tasteful high performance look unlike any other. The tips also feature a unique self-cooling design that reduces discoloration over time.

+9 hp @ 8000 rpm / +6 lb-ft torque @ 8000 rpm



## High Flow Air Mass Meter/Intake Assemblies

3 badge points

Taking full advantage of the factory ram-air ducting, Dinan has increased the volume of the air-boxes in order to accommodate large high-flow air filter elements, dramatically improving intake efficiency. The diameter of the integrated Air Mass Meters has also been increased, further improving the ability to deliver cool, oxygen rich air to the combustion chamber for maximum output. The air boxes are manufactured from plastic for effective resistance to power robbing under-hood heat. The enclosures also include activated carbon absorption material, providing the same function as the stock configuration without the significant restriction to air flow. The increase in air-flow is dramatic, with dyno tests measuring an additional 21 horsepower. Carbon fiber air box lids provide a tasteful high performance look as well. Matching Stage 3 engine software is recommended for optimum performance and drivability.

+21 hp @ 7500 rpm / +14 lb-ft torque @ 7500 rpm



## High Flow Throttle Bodies

2 badge points

The M5 stock throttle bodies are carefully bored to a larger internal diameter for further improvement in air-flow, increasing power output and providing more immediate throttle response. Matching Stage 2 Engine Software is highly recommended for optimum performance and drivability.

+13 hp @ 8100 rpm / +8 lb-ft torque @ 8100 rpm

## Racing Middle Exhaust

Substantial improvement in flow comes from a complete replacement of the nearly 8 foot mid-exhaust section that runs from the headers to the Dinan Free Flow Mufflers. The system dramatically improves flow for increased power as well as producing an unmistakably aggressive exhaust note. Several versions are available, offering two resonator options or no resonators at all for maximum power output. Each version produces a distinctly different exhaust note and volume level, enabling the driver to tune the exhaust system for personal preference. This is a "racing only" product that is not intended for use on pollution-controlled motor vehicles driven on the street.

+9 hp @ 7500 rpm / +6 lb-ft torque @ 7500 rpm



## 5.7 Liter High Performance V-10 Engine

10 badge points

For those seeking the ultimate driving experience, Dinan has redefined M5 performance with a bored and stroked 5.7 Liter version of BMW's V-10 engine, producing over 600 horsepower along with stump-pulling torque that's available at virtually any engine speed. The engine is supplied completely assembled and ready for installation, backed by Dinan's comprehensive matching new car warranty coverage. Carefully calibrated Dinan engine management software is included, ensuring optimum performance and drivability. The High Flow Air Mass Meter/Intake Assemblies are required in order to supply adequate intake air flow.

611 hp @ 7500 rpm / 468 lb-ft torque @ 6000 rpm\*

\*Tested with High Flow Air Mass Meter/Intake Assemblies, High Flow Throttle Bodies and Free Flow Rear Mufflers.



## Under-Drive Crank Pulleys

Dinan has developed two under-drive pulley options for further increases in power output. The street version represents a 12% reduction, increasing output by 5 horsepower. The racing-only version offers a 17% reduction, resulting in an additional 8 horsepower.



## Dinan Performance Brakes by Brembo

3 badge points

Dinan and Brembo have teamed up in order to offer ultimate stopping power for the M5 while maintaining the quiet operation, pedal feel and wear indicator systems that are appropriate for street applications. The systems feature massive 6-piston Mono-Block aluminum calipers in front with 4-piston units at the rear, available in black or red. The two-piece rotors measure 380mm front and rear, available slotted or drilled (stock rotors: 377mm front/370mm rear). Goodridge stainless steel brake lines are included.



# SUSPENSION AND CHASSIS

## Carbon Fiber Strut and Shock Tower Braces

Front: 2 badge points / Rear: 1 badge point

Strong yet incredibly lightweight tubular-carbon fiber front strut and rear shock tower braces effectively enhance chassis rigidity for improved handling and sharper steering response. Install with Dinan suspension systems or the stock components. The rear brace center section is easily removed when maximum trunk space is desired.



## Suspension Systems

5 badge points

Dinan suspension systems for the M5 offer the grip that enthusiasts demand while maintaining a comfortable, well-dampened ride. The systems maintain all of the factory EDC features, comprised of fully matched proprietary springs and bump-stops, a larger adjustable rear antiroll bar, and Dinan's unique Roll Control system in front. Camber/Caster plates provide even more grip up front, virtually eliminating understeer. The Mono Ball Control Arm Bearings improve steering response and overall stability for tight and predictable cornering. The systems provide comprehensive, pre-tuned suspension solutions that take the guesswork out of superior handling without compromising the civility expected of a BMW M5.

- Stage 1 Suspension: Performance Spring Set with Matching Bump Stops (maintains EDC struts/shocks).
- Stage 2 Suspension: Adds larger, adjustable rear antiroll bar and front Roll Control System to Stage 1.
- Stage 3 Suspension: Adds mono ball lower control arm bearings and Camber/Caster Plates to Stage 2.



## Mono-Ball Lower Control Arm Bearings

1 badge point

Mono Ball lower control arm bearings address the deflection associated with the stock bushings that negatively affect steering response as well as exacerbating the effects of brake shimmy, which can be particularly noticeable when larger brakes are installed. Ride quality is also improved as the mono ball bearings are actually more compliant. Featuring racing quality, spherical bearings in precision machined aluminum housings, the bearings are substantially larger than competing products for greater load handling capabilities and durability. A special Teflon lining ensures quiet operation. The Dinan mono ball kit provides the benefits of greatly reduced deflection without the annoying clanking that is common among lesser quality products.



## 19" Lightweight Forged Wheels

5 badge points – set of four

Dinan 19x10" rear wheels accommodate 295/30-19 tires with 275/30-19s on 19x9" wheels in the front, dramatically increasing overall grip as well as reducing understeer for razor sharp turn-in. At just 20 lbs. each, they are the lightest 19" wheels to be found, improving handling, braking and even ride quality.



# DRIVELINE & ACCESSORIES

## 3.91 Limited Slip Differential

2 badge points

Dinan lowers the stock 3.62 final drive gearing to a 3.91, taking full advantage of torque multiplication for a substantial 8% increase in torque delivered to the wheels. The lower ratio provides faster acceleration in every gear with only a minor increase in engine speed at cruise. There is no affect on top speed potential when used in conjunction with Dinan Engine Software, which raises the rev limiter.



## Dinan Pedal Pads

1 badge point

Stylish spun aluminum pedal pads with anti-slip rubber inserts feature the Dinan logo, adding a great high performance look to the interior of your M5. Available for Manual and SMG applications.

## Signature Floor Mats

Signature floor-mat sets featuring an embroidered Dinan logo are available for the M5 in your choice of carpet and logo colors.



## The Dinan Badge

The Dinan badge cannot be purchased but rather is provided at no charge when your Dinan performance selections total 10 points, making your Dinan enhanced BMW as exclusive as it is exciting to drive.



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