

# **DINAN 335i (E90, E92, E93) 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 335 performance 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*

The BMW 335 has received its fair share of accolades from the automotive press and rightfully so. The 335 rewards the discriminating driver with a wonderful combination of luxury appointments, advanced safety features, eye-opening acceleration and superb handling. However for those of us who demand an even more exciting driving experience, the kind that comes from even faster acceleration and superior handling capabilities punctuated by the appearance and sound of a truly high performance BMW, Dinan has developed the Signature Series 335 programs.

Inspired by 29 years of BMW performance tuning and racing experience, the Dinan Signature Series features carefully engineered, balanced high performance solutions for the 335. 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 you expect from a BMW automobile.

Each Signature Series 335 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 subtle performance look to the interior.

For those seeking optimal performance along with the unmistakable Dinan Signature Series look, the optional 19" lightweight wheel and tire package is a must. At a mere 20 lbs. each, Dinan's handsome forged wheels are the lightest and strongest to be found, improving acceleration, cornering capabilities, stopping power and even ride quality. Each wheel has been designed to accommodate the largest tire possible for amazing cornering capabilities and even sharper reflexes.



## Dinan S- 335

Includes: Free Flow Exhaust; Stage 1 Suspension System; Dinan Pedal Pads; Dinan Deck-Lid Badge and Serial Numbered Dinan S Plaque. Recommended Option: Dinan 19x9" and 19x9.5" Lightweight Wheels with 255/30-19 and 265/30-19 tires.

*"It's a thoughtfully engineered package that feels as though it could have come from the factory." -Car and Driver*

## Dinan S1- 335

Includes: Performance Engine Software with Boost Upgrade; High Capacity Oil Cooler; Free Flow Exhaust; Stage 2 Suspension System; Dinan Pedal Pads; Dinan Deck-Lid Badge and Serial Numbered Dinan S1 Plaque. Recommended Option: Dinan 19x9" and 19x9.5" Lightweight Wheels with 255/30-19 and 265/30-19 tires.

Dinan S1 - 335: 384 HP @ 5700 rpm / 421 lb-ft torque @ 4300 rpm

*"...Dinan manages to add loads of extra power and performance while retaining the refinement, look, and feel of the original cars." -Car and Driver*

## Dinan S2-335

Includes: Performance Engine Software with Boost Upgrade; High Capacity Oil Cooler; Free Flow Exhaust; High Performance Intercooler; Stage 3 Suspension System; Dinan Pedal Pads; Dinan Deck Lid Badge; Serial Numbered S2 Plaque. Recommended Options: Dinan 19x9" and 19x9.5" Lightweight Wheels with 265/30-19 and 275/30-19 Tire Option; Dinan/Brembo Brake Upgrade.

The Dinan S2-335 is currently under development.

*Components available separately.*

Signature Series programs not available for 335xi and convertible models.

# ENGINE PERFORMANCE

## Performance Engine Software with Boost Upgrade

2 badge points

Dinan Performance Engine Software safely increases the 335's turbo boost pressure from 8.8 to 13.2 psi, along with carefully retuned fuel mixtures, ignition timing and full map rescaling. In fact, over 2000 engine management functions have been recalibrated, offering substantial increases in power output while maintaining the civility and reliability expected of a Dinan performance product. Some examples include remapped water pump speeds, providing greater control over oil and water temperatures that have been notably excessive, even at stock boost pressures. The Dinan software alters the electric water pump speeds as boost pressure increases, improving cooling. High boost levels can exceed the stock turbocharger design limitations at higher rpm, potentially shortening their lifespan. Dinan addresses this issue by tapering the boost gradually at higher engine speeds. This approach also addresses the fact that with increased boost at higher rpm the turbocharger temperatures would exceed the intercooler's ability to cool the intake charge, resulting in a loss of power and compromising the long-term durability of the engine. The tapered boost keeps temperatures within the design limitations so as to optimize output while ensuring engine reliability with the added boost pressure.

The results of the software tuning are nothing short of breathtaking, with the added boost and related recalibration producing maximum output of 384 horsepower at 5700 rpm and 421 lb-ft torque at 4300 rpm. All of this additional power is available from Dinan's software alone, which is easily downloaded by your Authorized Dinan Dealer in about an hour. The top speed governor has also been removed, enabling the cars to reach their natural top speed potential.

Further addressing the significant overheating issue, Dinan offers an optional oil cooler upgrade. Nearly twice the size of the stock unit, the Dinan system provides superior heat transfer and airflow through the cooler, keeping the engine and turbos well within temperature limits with the increased boost pressures.

In order to qualify for the matching new car warranty coverage with the Dinan engine software, which includes consequential damages, the vehicle must be equipped with either the factory oil cooler or Dinan's high capacity oil cooler. Please note that not all 335s were equipped from the factory with an oil cooler! Naturally the Dinan oil cooler is strongly recommended as it is far more effective than the stock unit, keeping temperatures in check even when the car is driven in more aggressive, high boost scenarios.

Performance Engine Software with Boost Upgrade: 384 HP @ 5700 rpm / 421 lb-ft torque @ 4300 rpm



## High Capacity Oil Cooler

3 badge points

Dinan's high capacity oil coolers effectively control the excessively high oil temperatures inherent with 335 models. The Dinan systems have been designed to mount in the original location, despite the fact that the Dinan coolers are twice the size of the stock units. Further cooling efficiency results from reconfigured inlet and outlet ducting for superior airflow through the cooler. The systems have been designed to connect to the original BMW thermostat housing with the supplied high performance lightweight hoses.

## High Flow Intake – Under Development

3 badge points

The 335's stock air filter inlet is very restrictive, necessitating a more efficient system for maximum output. The Dinan Cold Air Intake consists of a larger air filter lid for the stock air-box, increasing volume and accommodating the larger free-flow filter. The system features a secondary air inlet and high-flow filter that force-feeds additional cool air to the intake system in order to ensure maximum output.



## Free Flow Exhaust

3 badge points

Dinan's free flow exhaust for the 335 improves exhaust flow by reducing back pressure, resulting in increased power output and a great sporty sound that is civilized when you want it to be and pleasantly aggressive under harder acceleration. 100% stainless steel construction and exacting specifications ensure that the system fits correctly using the factory hangers and will resist corrosion for years to come. The design reduces overall weight as well and features 3.5" polished stainless tips for a tasteful high performance look.

+6 hp @ 6600 rpm / +5 lb-ft torque @ 6600 rpm

## Racing Middle Exhaust – Under Development

2 badge points

The Dinan middle exhaust is a racing product that eliminates the second stage catalyst and features larger tubing for improved flow. The system provides further enhancement with a high performance "X-pipe" that has been carefully located for optimum performance. When combined with the Dinan engine software and free flow exhaust, the package delivers 392 horsepower and 429 lb-ft torque, as well as an even more aggressive exhaust note. The front catalysts are maintained so that the cars will still pass the SCCA showroom stock emissions test and will not turn on the "check engine" warning light.

## High Performance Intercooler – Under Development

Greater power gains are achieved with a larger, high performance intercooler. The Dinan intercooler provides over a 93% increase in total volume, substantially reducing the pressure drop as well as providing more efficient heat exchange. The system has been engineered as a direct replacement for the stock unit, requiring only minor modifications for a clean, factory-like installation. The Dinan intercooler also features larger connector tubing, further improving airflow through the system.

# SUSPENSION AND CHASSIS

## Front Strut Tower Brace – Under Development

2 badge points

Strong yet lightweight strut tower braces effectively enhance chassis rigidity for improved handling and sharper steering response. Install with any Dinan suspension system or the stock components.



## 19" Lightweight Forged Wheels

5 badge points – set of four

Dinan 19x9" front and 19x9.5" rear wheels accommodate the largest tires possible, 265/30-19 in the rear and 255/30-19s up front, dramatically increasing overall grip as well as reducing under steer 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. The wheels will also accommodate 275/30 and 265/30-19 tires as an option, providing that front camber plates are installed for the necessary clearance. Some trimming of the fender lips may be required, depending upon the tire selected.

## Suspension Systems 335i Coupe and Sedan

5 badge points

Dinan suspension systems offer the grip that enthusiasts demand while maintaining a comfortable, well-dampened ride. Comprised of fully matched proprietary springs, Koni adjustable shocks/struts, larger anti-roll bars and front camber plates, the systems provide comprehensive, pre-tuned suspension solutions that take the guesswork out of superior handling from the 335 without compromising the civility expected of a BMW.



**Stage 1 Suspension:** Performance Spring Set, Adjustable Koni Struts/Shocks, Matching Bump Stops

**Stage 2 Suspension:** Adds Larger 28mm Front and 15mm Rear Antiroll Bars to Stage 1 Spring and Shock Package.

**Stage 3 Suspension:** Adds Front Camber Plates to the Stage 2 Springs, Shocks and Antiroll Bars.

*Suspension systems are not available for 335xi and convertible models.*

## Front Camber Plates

For further reduction of understeer, Dinan Camber Plates can be added to the front suspension and are included in the Stage 3 package. While the cars are now provided from the factory with a significant range of camber adjustment, the Dinan camber plates shift the range of the adjuster by 1/2 degree, providing for a more aggressive negative camber setting that dramatically improves grip in the turns. There's really no reason to install an adjustable type camber plate as adjustment is already provided by BMW and subsequently enhanced by Dinan. The Dinan camber plates retain the factory bushings, eliminating negative effects on ride quality or the introduction of annoying noises that are common with adjustable camber plates.



## DRIVELINE

### Dinan Performance Brakes by Brembo

3 badge points



Dinan and Brembo, the world leader in high performance brake systems, offer ultimate stopping power while maintaining the quiet operation, pedal feel and wear indicator systems that are appropriate for street applications. The front brakes feature massive 6-piston aluminum calipers with 380mm two-piece rotors (stock rotors: 348mm). The rear brakes feature 4-piston calipers with 345mm two-piece rotors (stock rotors: 336mm). The systems also include Goodridge stainless steel brake lines. Kits are available for all four wheels or the front only in your choice of black or red calipers and slotted or drilled rotors.



### Lightweight Flywheel (Manual & SMG Transmissions) 2 badge points

Lightened dual-mass flywheel improves driveline efficiency for faster acceleration and more immediate throttle response. The Dinan flywheel reduces rotational inertia by a substantial 32%, while retaining the quiet operation of the heavier stock flywheel.

## ACCESSORIES

### 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 335. Available for manual and automatic applications.

### Signature Floor Mats

Signature floor-mat sets featuring an embroidered Dinan logo are available for the 335 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.





## Dinan Engineering, North America's BMW Tuner

Founded in 1979, Dinan is well established as North America's premiere BMW tuner. Dinan develops and manufactures the most comprehensive line of BMW high performance products and systems for the street as well as the track, most recently powering Daytona Prototypes to victory in the Grand American Road Racing Series.

Dinan's products are distributed through a substantial network of Authorized Dinan BMW dealerships throughout the US and Canada. Dinan's industry leading warranty program, quality products and solid engineering have helped to make Dinan a household word among BMW driving enthusiasts. Road tests conducted by major automotive enthusiast publications over the last 29 years place Dinan enhanced BMWs on a performance level with some of the most exotic sports cars in the world. At the same time, Dinan BMWs are widely renowned for being civilized and reliable, providing a high performance BMW-like driving experience without equal.

Dinan offers the means to make your BMW driving experience even more exciting, without sacrificing warranty coverage or the civility you expect from a BMW automobile. Your Authorized Dinan BMW dealership is fully prepared to help you begin driving the high performance BMW of your dreams today.



865 Jarvis Dr. • Morgan Hill, CA 95037 • 800-341-5480 • [www.dinancars.com](http://www.dinancars.com)

Some products not legal for sale or use in California. Contact Dinan directly or visit [dinancars.com](http://dinancars.com) for the current emissions status of each product.