

PRAXIS

Advanced Suspensions

BRIDGESTONE®

*Adjust your suspension for
the daily commute, your favorite
mountain road or the race track ...
without ever picking up a tool.*



www.praxissystems.com

BRIDGESTONE

Three Fully-Tuned Operating Modes

The Praxis System allows the driver to select the height, spring-rate and damping for whatever driving adventure lies ahead. There are no coil-springs to change and no spanners to carry because the spring-rate and ride-height are controlled by air. It's as easy as touching a button and turning a knob. Select one of three programmed ride-heights and spring-rate levels with the push of a cockpit mounted button. Then adjust damping by turning an adjuster located at the base of each damper. Touring mode, Sport mode or Track mode ... You control the level of performance.

TOURING



Touring mode provides ride and handling comparable to the factory delivered vehicle. Ride-height, spring-rate and damping are engineered to provide a balance that is perfect for daily commutes or highway touring. Maintains factory ride-height for use in inclement weather or on secondary roads.

SPORT



Sport Mode dramatically steps up handling responsiveness. Ride-height is lowered 25mm. Spring-rate and damping are increased to reduce body motions and sharpen steering response. Your car is now ready for that favorite canyon road or an enthusiastic jaunt to work.

TRACK



The ultimate performance setting, **Track Mode** lowers the vehicle 37mm, increases spring-rates 80% and provides the firmest damping setting. A no-nonsense setup for the most aggressive amateur motor-sports activities. Tuned at the Nürburgring, track mode is not recommended for street driving or for the faint of heart.

Praxis Spring Rates (lb/in)

| Mode | Touring | Sport | Track |
|-------|---------|-------|-------|
| Front | 250 | 325 | 460 |
| Rear | 440 | 680 | 770 |

Specific, performance air-suspension system with a limited warranty*

Air-Suspension For The Performance Enthusiast

The Praxis system is an air suspension designed for the performance enthusiast. An on-board air compressor supplies a trunk-mounted reservoir to ensure that compressed air is available on demand. The proprietary Intelliride™ electronic control system is used to adjust vehicle height and spring-rate. A trunk-mounted ECU monitors height sensors at each suspension corner. The ECU interprets suspension data and commands the valve-block to direct airflow to individual air-struts in order to maintain desired ride-height and spring-rate.

System Components



- 2 Front strut assemblies (air-springs with anodized 6061 T-6 billet aluminum caps/pistons, performance-tuned rubber-isolated strut mounts, externally-adjustable H&R inverted-monotube dampers)
- 2 Rear air-springs with anodized 6061 T-6 billet aluminum caps/pistons
- 2 Rear dampers (externally-adjustable H&R inverted-monotube dampers)
- Air handling unit (integrated: compressor, air-dryer, valve-block)
- ECU (Electronic Control Unit with BMW specific software)
- Cockpit mounted User Interface
- Accelerometer
- Air storage reservoir (7.6 liters)
- 4 Electronic height sensors
- 4 Height sensor linkages
- BMW specific mounting brackets (no cutting or welding required)
- BMW specific wiring harness
- Complete installation hardware package
- Comprehensive, illustrated installation manual

Spare Tire Well



Front



Rear



Praxis systems are application specific, so there is no cutting or welding. A high degree of pre-assembly and a thoroughly illustrated installation manual guide the seasoned amateur mechanic through the installation process in an average of eight to ten hours.

3/32" THK CUTTER
ERNAL VOLUME



Praxis is the first aftermarket suspension that has been professionally engineered to consider all tuneable elements of the suspension system. Springs, dampers, bushings, tires, suspension alignment and suspension geometry have been concurrently engineered to optimize performance over a wide range of operating environments. Praxis leverages Bridgestone technology to bring design and development tools, previously available only to automobile manufacturers, to produce a revolutionary air suspension for the performance minded enthusiast. Long gone are the days of trial-and-error parts matching and aftermarket modifications that compromise every-day driveability.

***Limited Warranty**

Air-struts warranted for 2-years (unlimited mileage), all other components warranted for 1-year (unlimited mileage). All items are warranted for use in sanctioned, amateur motorsports applications. See Limited Warranty for complete details.

Applications:



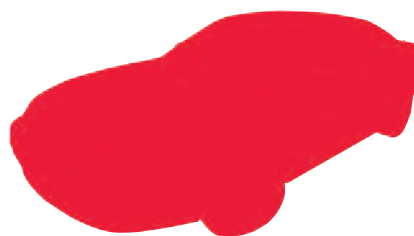
1999 – 2004 BMW 3-Series (E-46)

- Coupe (323, 325, 328, 330)
- Sedan (323, 325, 328, 330)
- Convertible (323, 325, 328, 330)**
- Wagon (323, 325, 328, 330)**
- M3



2002 - 2004 Subaru Impreza WRX

- WRX STi
- WRX Sedan & Wagon
- Impreza 2.5 RS Sedan
- Impreza 2.5 TS Wagon



Additional Applications Available 2005

****Installer must determine air tank mounting location and method.**