They’re two simple words that ground a whole philosophy. And drive an entire car company. They mean resolutely refusing, at every turn, to ever be satisfied with the status quo. They declare that, in every category in which we compete, Buick is determined to take on the benchmark and to go it one better. To make the leather softer. The engine more powerful. The cabin quieter. The tolerances tighter. One better. Those two simple words are much more than a mere motto. They’re a deeply held belief in a better way to build. Now see the power of those words come to life in the 2005 Rainier.
Six or eight cylinder power... smooth controlled ride... Buick's QuietTuning™
There are myriad SUVs on the market these days — many trumpeting their stump-pulling power, or their off-road capability, or their colossal size. Buick has quietly chosen another path. So, while Rainier is a full-frame utility vehicle with impressive power, strength and room, it is also a highly evolved vehicle with a level of craftsmanship and refinement uncommon in its class. Buick’s amazing QuietTuning creates an extraordinarily peaceful interior for Rainier. Its leather-appointed seats cradle passengers in comfort. Its rear air suspension smooths the ride. Yet there is commanding power for all the things you expect of an SUV. Peaceful. Powerful. Rainier. It will leave you very quietly impressed.
Rainier CXL leather-appointed interior in Cashmere.
Despite all the efforts to deny its entry into the passenger compartment of Rainier, some noise manages to sneak in. Our engineers have an acoustic welcoming party waiting. Special acoustic absorbers are strategically positioned under carpeting and behind interior trim to help absorb noise before it ever reaches the ears of Rainier’s driver and passengers. The final result of Buick’s QuietTuning is a peaceful calm that pervades the cabin of Rainier. You’ll be amazed by what you don’t hear.

B. BLOCK THE NOISE PATH
Much of the noise that can’t be eliminated at its source can be denied entry into the passenger compartment. To that end, our engineers studied the noise entering the interior through the windows of Rainier and found a way to make a real difference. An acoustic laminate windshield is specified for every Rainier. Essentially two layers of glass with a thin film of plastic laminated in between, it is this layered construction, as well as glass layers of different thicknesses, that helps block sound from entering the passenger compartment. Laminated front side-door glass is installed for the same reason, particularly because this glass is in such close proximity to the ears of the driver and front-seat passenger. Our engineers also carefully analyzed the body and doors of Rainier to identify other potential noise paths. They then sought out special materials to apply to those paths. As a result, the body and doors of Rainier are treated with over 26 strategically positioned acoustic seals to help block outside noise from ever reaching the cabin.

QUIET TUNING—PIONEERED BY BUICK. FIRST DEVELOPED FOR RAINIER
From its inception, Rainier was designed to achieve impressive levels of interior quietness. But our engineers wanted more. They developed QuietTuning, a Buick-pioneered process that employs the following three strategies to transform Rainier’s cabin into a sanctuary from the outside world.

A. REDUCE NOISE AT ITS SOURCE
Obviously, noise that isn’t generated is noise that can’t enter a vehicle and disturb its passengers. That is where our engineers began. They analyzed powertrain noise coming from Rainier’s engines and exhaust systems, and found ways to make significant reductions. They then studied wind noise caused by the aerodynamic details of Rainier, and tweaked some of those details to further reduce noise. Finally, they measured road noise generated by the simple act of tires rolling over pavement, and specified special quiet-tread tires for Rainier. These tires have a unique tread pattern designed not only to provide good grip, but also to produce very little tread noise.

A. BLOCK THE NOISE PATH

B. ABSORB NOISE IN THE CABIN

C. ABSORB NOISE AT ITS SOURCE

Rainier’s interior—a quiet sanctuary.
A. 5.3L V8 ENGINE

A masterwork of modern engineering, Rainier’s available V8 engine is filled with innovations. Its large displacement cast aluminum block and cylinder heads save weight while they also help provide the strength to generate class-leading power.

300 hp and 335 lb-ft torque:**

That kind of power and torque gives you the freedom to haul or tow heavy loads and still have enough power in reserve to pass and maneuver with confidence.

Electronic throttle control:

Often seen on premium automobiles but new to SUVs, electronic throttle control is the stuff of the future. There is no cable link between the accelerator and the engine. A sensor at the gas pedal measures pedal angle and sends a signal to the engine control computer to deliver fuel at the correct rate. The result is quick, precise throttle response and improved reliability.

*Polk Medium Utility segment.

**Preliminary figures.

B. UNIQUE PAN-AXLE OIL PAN

All-wheel drive vehicles require an extra differential to transmit power to the front wheels. This can force designers to mount the engine higher than they would prefer, resulting in compromised sightlines and a higher center of gravity. Rainier all-wheel drive models have a pan-axle oil pan. The front axle runs right through this unique oil pan, allowing our engineers and designers to keep the engine mounted low in the chassis. That allows better sightlines from the driver seat. It also lowers Rainier’s center of gravity and aids in increased stability on the road.

C. 4.2L I-6 ENGINE

Rainier’s standard power comes from a state-of-the-art engine that incorporates advanced design and technology virtually everywhere you look.

24 valves, dual overhead cams: The more intake and exhaust valves an engine has, the easier it can breathe. That is to say, the easier it can draw the fuel/air mixture into the combustion chambers, and the easier it can expel the spent gases of combustion. With dual overhead cams controlling four valves per cylinder and variable exhaust valve timing, this engine breathes very well indeed. All of which results in better efficiency, better fuel economy* and more power.

275 hp/275 lb-ft torque – it outperforms many V8s:

See what deep breathing can do? It gives our 4.2L I-6 the kind of power and torque many V8s will envy. But as important as having power is, it’s even more important to have that power over a broad range of engine speeds and driving scenarios. Natural balance:

Of all the wonders of Rainier’s remarkable 4.2L engine, this is a quality you’ll probably appreciate every single day. This inline six-cylinder engine has a natural balance that virtually eliminates shaking and roughness at idle or any speed.

*EPA estimated mpg, 15 city/21 hwy (AWD); 16 city/21 hwy (RWD) —preliminary figures.
A. FULL LADDER FRAME WITH HYDROFORMED SIDE RAILS

Some SUVs have unibody construction – where the body itself must provide much of the strength of the vehicle. Our engineers think that’s fine for some SUV applications, but not for the Rainer. So Rainer has a tough body-on-frame structure – a body firmly mounted to a full frame. Rainer gives its drivers world-class comfort, handling and high standards in every column. Rainer’s chassis design also incorporates fully hydro-formed side rails along the entire length of the frame. Hydroforming uses the power of pressurized fluid sealed in a hollow round steel frame rail to help form the shape of the rail for consistent wall thicknesses and dimensional control.

B. ALL-WHEEL DRIVE WITH LOCKING DIFFERENTIAL

Rainer’s available on-demand all-wheel drive system is intuitive. Thanks to its technological sophistication, no driver ever has to think about pushing buttons or pulling levers. The system constantly monitors road conditions. If it senses slippage, it reacts in 1/4 of a second and sends the right amount of power to the wheel or wheels with the most traction. Under normal conditions, Rainer’s active all-wheel drive system sends 100% of the power to the rear wheels. Above 20 mph, a small amount (about 15%) of the power is sent to the front wheels, even when no slippage is detected. This speed-sensitive system allows for up to 100% of torque to be transferred to the front axle in a slip condition, maximizing available wheel traction. When slippage is no longer detected, the system automatically returns to its predominantly rear-wheel drive mode. It’s a fully automatic system drivers will love.

C. TRACTION ASSIST AND LOCKING REAR DIFFERENTIAL

Rear-wheel drive models have wheel-speed sensors that constantly monitor each drive wheel for signs of slipping. If they detect a slip event, they instantly send a signal to the power control computer which reduces the amount of fuel going to the engine. That slows the engine, reducing power to the slipping wheel until it regains traction once again. At lower speeds, the differential notices the slippage and locks the rear axle, sending power to both rear wheels. Together, these technologies can help the driver maintain control and regain traction through ice and snow.

D. ELECTRONICALLY CONTROLLED AIR SUSPENSION

Rainer’s electronically controlled air suspension incorporates a cold spring rear shock absorber design with a double-A arm configuration for both two-wheel and four-wheel drive systems. So you can enjoy the precision and SQE suspension Rainer’s electronically controlled air suspension features. Wear and tear are continually monitored by sensors that feed data to a computer/ control unit. The computer calculates or determines the air suspension’s necessary movement to give you the same soft ride as on regular suspension systems. This system works to continually maintain the proper ride height of Rainer, as it’s located on the suspension. So it’s possible to go over rough roads. The air suspension maintains a comfortable ride, even on rough roads. The air suspension maintains a comfortable ride. It also helps to reduce noise levels. The air suspension is used to provide an improved ride. It’s used to improve the ride quality. It’s used to improve the ride quality. It’s used to improve the ride quality.
E. XM® SATELLITE RADIO

Two satellites (one named “Rock,” the other “Roll”) hover in geosynchronous earth orbit beaming down CD-quality digital sound into your Rainier. Over 800 terrestrial repeaters fill in the signal whenever the line of sight with a satellite is lost. The digital signal delivers 100 percent commercial-free music with over 120 channels of the best in music, news, sports, talk, comedy and XM Instant Traffic & Weather. And you can receive the signal in all 48 coast-to-coast states. That’s the attraction of XM. And that’s why it’s available on Rainier.

XM is available only in the 48 contiguous United States, activation and service fees apply. Visit gm.xmradio.com for details.

B. BOSE ® PREMIUM SOUND SYSTEM

This available Bose system is probably a better stereo than you’ll find in most homes. Six Bose speakers are driven by six Bose amplifiers that have been equalized and optimized especially for the acoustic environment found in Rainier’s interior. The amps deliver a total of 375 watts. There’s an available six-disc CD changer integrated into the instrument panel. Pop-out controls. Multi-media capability. You can even select optimum performance for the driver, optimum performance for the rear-seat passengers, or balanced performance for all passengers.

D. DVD ENTERTAINMENT SYSTEM

Mounted in the headliner between the front and second row of seats, this available DVD entertainment system has the capability of playing studio quality audio/video in both CD-audio and DVD format. There’s a flip-down screen to tote the DVD audio or video. There’s an available six-disc CD changer integrated into the instrument panel. Pop-out controls. Video and audio RCA jacks for camcorder playback; ports for complete gaming capability; and even a parental switch on the front of the unit for stopping play and muting sound. Use it occasionally just to make sure the kids are still capable of human conversation.

OnStar relies on existing emergency service providers as well as wireless and satellite technologies and is subject to their limitations. Please refer to specifications in the back for details. Stolen vehicle recovery success varies by condition. Existing OnStar service contract and prepaid calling minutes required for Personal Calling feature. Personal Calling is the hands-free in-vehicle wireless phone mentioned previously. Available in most markets. OnStar voice recognition system may not work with all voices. Visit onstar.com for system limitations and details.

A. GPS/DVD NAVIGATION SYSTEM

Imagine your Rainier reading the signals coming from at least three global positioning satellites in high earth orbit, and using those signals to compute your exact position on the planet, give or take a few feet. Now imagine that data being fed into a sophisticated DVD-based navigation program that can show you exactly where you are on a virtual map sent to a screen on the instrument panel, and watch your position on the map move as you move down the road. That’s what Rainier’s available GPS/DVD navigation program can do. The system can also suggest new routes to your destination, as well as the locations of gas stations, restaurants and points of interest along the way.
folding maps is a thing of the past.

Elegant chrome door handle surrounded by the warm look of dark burled walnut.

Craftsmanship in every detail – Rainier doorsill plate.
Rainier CXL in Platinum Metallic. Shown with dealer-installed chrome-accented assist steps and other available equipment.
BUICK: meet the new family

Terraza, LeSabre, Rainier, Park Avenue, Rendezvous, and LaCrosse. That's the new Buick family for 2005. And while there are new models, new features and new excitement in our lineup this year, you can be sure that one thing has not changed. That is Buick's commitment to bring you beautifully designed, expertly crafted vehicles that will deliver exceptional satisfaction with every mile you drive.

Buick is the Official Car of the PGA TOUR. Tiger Woods is the most acclaimed player in the game today. That's why we're so proud to be partnered with him. After all, Tiger delivers power, style and finesse every time he hits the course. And Buick is ready to deliver those very same qualities every time you hit the road.
We have tried to make this brochure comprehensive and factual. We reserve the right, however, to make changes at any time to vehicles are approximates based upon design and engineering of printing, please check with your Buick dealer for complete details. Buick reserves the right to lengthen or shorten the model year for any product for any reason, or to start and end model years at different times.

**S Standard**

**A Available**

— Not available

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### ENGINE

- **Horsepower** . . . . . . . . . . . . . . . . . . . . . . . . . 275 @ 6000 rpm

- **Battery**
  - all-wheel drive  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 15/21

- **Differential**
  - Type  . . . . . . . . . . . . . . . . . . . . . . . . 5.3-liter Vortec 5300 V8

- **Drive type**
  - Overhead console — includes storage for sunglasses, and aft adjustment A

- **Air conditioning**
  - dual-zone automatic climate control S

- **Remote keyless entry**
  - delayed locking and memory feature S

- **Steering wheel**
  - includes speed-compensated volume and six speakers S

- **Auxiliary power outlets**
  - includes covered storage with padded armrest, transmission shift lever and two cup holders S

- **Child seat anchors**
  - upper and lower LATCH system

- **Child security door locks**
  - rear doors S

- **Cruise control**
  - includes trip computer S

- **Child seat anchors**
  - upper and lower LATCH system

- **Child security door locks**
  - rear doors S

- **Cruise control**
  - includes trip computer S

- **Driver Information Center**
  - includes trip computer S

- **Steering wheel**
  - includes speed-compensated volume and six speakers S

- **OnStar**
  - includes one-year Safe & Sound service agreement* A

- **Intelligent Mannerlight**
  - black side rails S

- **Auxiliary power outlets**
  - includes covered storage with padded armrest, transmission shift lever and two cup holders S

- **Cargo storage well**
  - includes covered storage with padded armrest, transmission shift lever and two cup holders S

- **Tires**
  - P235/65R17 all-season blackwall steel-belted

- **Towing to your nearest Buick dealership**
  - Cosmetic corrosion resulting from defects most warranty repairs

- **Rearview camera**
  - includes speed-compensated volume and six speakers (requires Bose® premium volume and six speakers A

- **RDS display, Theftlock, touchscreen navigation**

- **Safety belts**
  - includes alarm, starter interrupt

- **Visibility**
  - includes sunshade, wind deflector

- **Lights**
  - includes day-time running lamps

- **EXTERIOR FEATURES**

- **EXTERIOR DIMENSIONS**
  - **Base curb weight (lbs.)**
    - rear-wheel drive  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4,417
    - AWD/3.73  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 6,500
  - **Fuel tank (approx. gal.)**
    - 22
  - **Carpet savers**
    - front and rear S
  - **Child seat anchors**
    - upper and lower LATCH system
  - **Child security door locks**
    - rear doors S
  - **Cruise control**
    - includes trip computer S
  - **Rear seat folded**
    - 80.1
  - **Engine**
    - Type  . . . . . . . . . . . . . . . . . . . . . . . . 5.3-liter Vortec 5300 V8
  - **Battery**
    - all-wheel drive  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 15/21
  - **Differential**
    - Type  . . . . . . . . . . . . . . . . . . . . . . . . 5.3-liter Vortec 5300 V8
  - **Drive type**
    - Overhead console — includes storage for sunglasses, and aft adjustment A
  - **Air conditioning**
    - dual-zone automatic climate control S
  - **Remote keyless entry**
    - delayed locking and memory feature S
  - **Steering wheel**
    - includes speed-compensated volume and six speakers S
  - **Auxiliary power outlets**
    - includes covered storage with padded armrest, transmission shift lever and two cup holders S
  - **Cargo storage well**
    - includes covered storage with padded armrest, transmission shift lever and two cup holders S
  - **Tires**
    - P235/65R17 all-season blackwall steel-belted
  - **Towing to your nearest Buick dealership**
    - Cosmetic corrosion resulting from defects most warranty repairs
  - **Rearview camera**
    - includes speed-compensated volume and six speakers (requires Bose® premium volume and six speakers A
  - **RDS display, Theftlock, touchscreen navigation**
  - **Safety belts**
    - includes alarm, starter interrupt
  - **Visibility**
    - includes sunshade, wind deflector
  - **Lights**
    - includes day-time running lamps
  - **EXTERIOR FEATURES**

- **EXTERIOR DIMENSIONS**

- **Base curb weight (lbs.)**
  - rear-wheel drive  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4,417
  - AWD/3.73  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 6,500
  - **Fuel tank (approx. gal.)**
    - 22
  - **Carpet savers**
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  - **Child seat anchors**
    - upper and lower LATCH system
  - **Child security door locks**
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  - **Cruise control**
    - includes trip computer S
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  - **Lights**
    - includes day-time running lamps

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Ident. No. 05-RA-001                              Printed in U.S.A.