ARIZONADRIVER

THE ENTHUSIAST'S GUIDE TO LIFE BEHIND THE WHEE

VOLUME 6 NUMBER 3 MAY-JUNE 2007

SHELBY GT500KR "King of the Road" Returns



F-150 Foose Edition Expedition Funkmaster Flex Edition Also...

Curves of Steel at Phoenix Art Museum



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THE ENTHUSIAST'S GUIDE TO LIFE BEHIND THE WHEEL

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MAY-JUNE 2007

VEHICLE INTRODUCTION

Ford Shelby GT500KR "King of the Road" Ford gets right to the point with the nickname of this high level performer. The ranks of the wildly popular Mustang expand again with this NY International Auto Show intro.

NEW VEHICLE

Ford Shelby GT500 Red Stripe Package .24 As its name implies, the GT500 Red Strip Appearance Package is just that: all about looks. However, these looks are applied to a top-selling top performer.

.28

.40

42

SPECIAL EVENT

Curves of Steel: Phoenix Art Museum Our friends at the Phoenix Art Museum have assembled an incredible display of streamlined automobile design from 1934 to 1994, prying the cream of the crop out of the carefully guarded garages of collectors worldwide.

DRIVING SKILLS

Video guarantees passing written MVD exam... Powell Productions' Digital Education division has an affordable training movie you can download or buy on DVD, with a money-back guarantee you'll pass the text.

CONCEPT VEHICLE

Audi Cross Coupé quattro concept. It seems like just the other day, Audi was committed to all-wheel-drive performance but no SUVs. In the wake of the Q7's introduction, they continue to brand out, in concept

EQUIPMENT

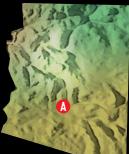
CONCEPT VEHICLES

DEPARTMENTS

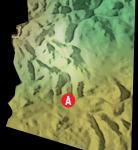
Two more NYIAS Fords

Pirelli P Zero the Hero for supercars.

At the same time Ford introduced the Shelby GT500KR, they also introduced two other s: the Expedition Funkmaster Flex Edition and the F-150 Foose Edition.



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COVER: Ford Shelby GT500KR "King of the Road." Photo courtesy Ford Motor Company

CURVES OF STEEL: Streamlined Automobile Design Photos: Michael Furman Courtesy of Phoenix Art Museum













START YOUR ENGINES : FROM THE PUBLISHER

ometimes you can get just as excited about a show you don't go to as one you do. We have plenty of news from a little of each this issue. We didn't go to the New York International Auto Show in early April, but we did get wind of the new Shelby GT500KR and other related machinery revealed at that show. Check out that one starting on page 18, as well as a new appearance package for the Shelby GT500 (page 24). We also have a feature on two other Fords revealed at the New York show, the F-150 Foose Edition and the Expedition Funkmaster Flex Edition.

Another show we didn't attend Shanghai, but Audi showed up at that one with a neat new idea of where they might be headed as they continue to aggressively develop both performance and SUV segments, and as the market itself blends some.

Later in April, we did go in person to the Phoenix Art Museum for their Curves of Steel exhibit of streamlined automotive design. We had noticed their ads in national publications, but hadn't really penciled it in, until it was integrated into a press association meeting. Tuesday nights are when the Museum is open late (till 9pm), and that was our meeting night, so it worked out great. So to downtown Phoenix we headed, with cameras in hand, only to find out that photography was not allowed. Too bad, as we were stunned by the machinery they'd rounded up, an effort worthy of the finest team of curators anywhere. Not to worry—their public relations staff was able to provide us with a great sampling, which is included here. But you very much will want to go in person, to see them from every angle, quite literally.

Enjoy the shows.



Joe Sage Publisher/ Executive Editor

ARIZONADRIVER

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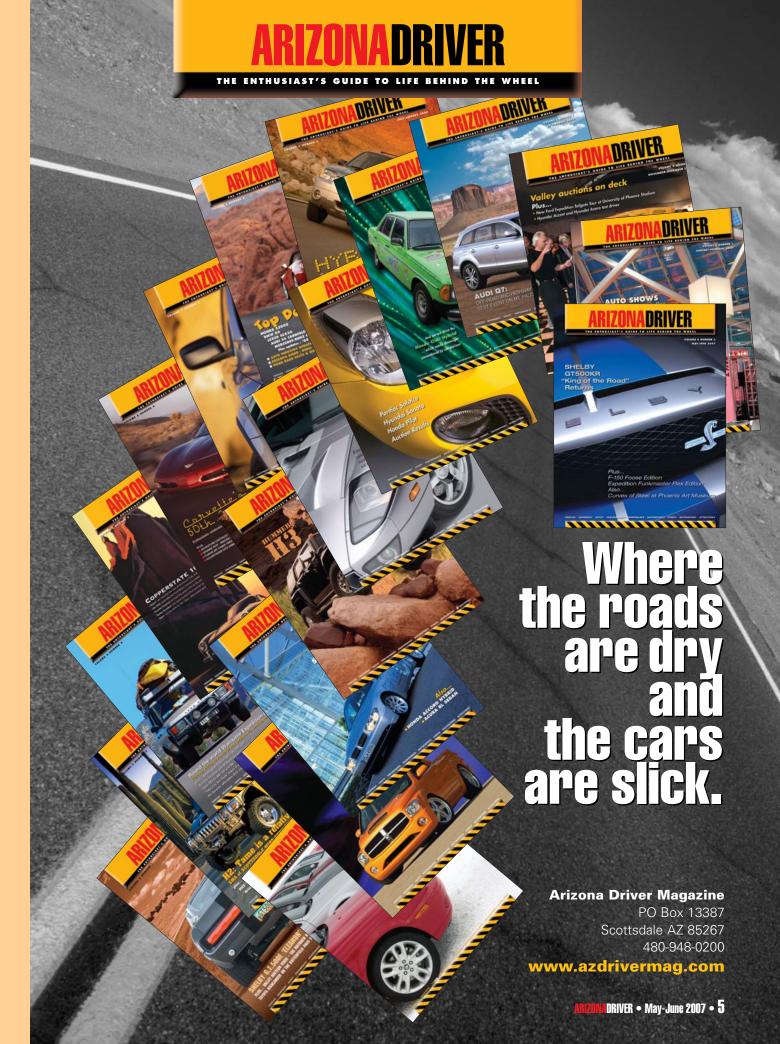
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AUTO NEWS UPDATE

AUDI COUPES AT DEALERSHIPS SOON

Walter de'Silva, Head of Volkswagen Group Design, says the new Audi A5 "is the most beautiful car I have ever designed." His creation arrives at dealerships in June with strong Audi styling cues, including a wide, low stance, short front overhang and long flowing transition from the C pillar to the tail end. As a full-size touring car, the A5 interior is fitted with four comfortable seats plus 16 cubic feet of cargo area with luggage room for longer trips or golf bags. Available features include items like an extra large panoramic tilting roof, rearview camera and infotainment system with navigation and digital radio and TV reception. The premium sound system is provided by Bang & Olufsen. The standard engine is Audi's 265-hp 3.2-liter V-6 with a choice of six-speed manual or automatic transmission and standard Quattro allwheel drive for the US models. A high-performance S5 will get a 354-hp, 4.2-liter V-8 engine and performance trimmings.



FT-HS: NEXT TOYOTA SPORTS CAR?

Audi S5

▲ Toyota has been out of the sports car business since 2005, or clear back to 1998, if you consider the Supra to be the last. The FT-HS could put Toyota back into the business in a big and unique way. The FT-HS is a hybrid sports car—with the name standing for Future Toyota Hybrid Sports. Its rear wheels are powered by a 3.5-liter V-6 engine integrated with Toyota's latest hybrid system combined producing about 400 horsepower. The

transmission is a planetary CVT (continuously variable transmission) with fixed ratios selected by wheel-mounted paddle shifters. Toyota is talking about 0-to-60 mph times in the four-second range and fuel economy at the mid-20 mpg level. FT-HS is designed as a 2 + 2, but when the opaque roof panel slides back and pivots down, the small rear seat disappears. The FT-HS is expected to target some big names like Porsche 911, Ferrari F430 and Chevrolet Corvette.

BMW'S SUPERCHARGED ALPINA

BMW is offering an aftermarket version

Stabilization, larger brakes and 20-spoke 21-inch wheels. Cosmetically there is a special Alpina blue metallic paint, luxury upgrades and badging. It is capable of 4.8-second 0 to 60 mph times and a top speed of 186 mph. The price tag will start at \$117,690 including destination charge and Gas Guzzler Tax.



CALTY DESIGN RESEARC

Our photo editor noted that the sketches looked a lot sharper than the current show car. We hope the production Toyota sports car is as sharp as this.

LAND ROVER REPLACES FREELANDER

Toyota FT-HS Concept

Land Rover is replacing the entry-level Freelander SUV with the all-new LR2. With design cues favoring the Freelander, more than its bigger brother the LR3, the LR2 has the feel, look and driving agility that the brand is known for. Powered by a transversely-mounted in-line six cylinder engine producing 230-hp, the LR2 is as comfortable on paved roads as it is in the mud. The drivetrain features Land Rover's Terrain Response system, which allows the driver to easily select the right configuration for grass, gravel, snow or sand. The LR2 went on sale in April.

of the 7 Series sedan called the Alpina B7. As the name implies, the extensive enhancements are being done by Alpina Burkard Bovensiepen GmbH + Co. KG, a family-held company located in Buchloe, Bavaria, Germany. The modified 750i is powered by 4.4-liter, 500-hp supercharged V-8 engine with BMW's unique Valvetronic system, which regulates power output by varying intake-valve lift rather than using a conventional throttle. The transmission is a six-speed automatic with Switch-Tronic sequential manual

CTS ADVANCES "ART & SCIENCE"

The CTS led Cadillac's charge in to a realm they called "Art & Science" when the sporty sedan debuted for the 2003 model year. The CTS was a great leap forward for GM's premium brand, offering world-class performance and handling, but not quite coming up to the luxury level such a car should display. As the second generation CTS waits patiently in the wings for the 2008 model year, the new version is staged to offer a new level of performance and handling along with the elegance the previous generation lacked. New features include







General Motors Chairman Rick Wagoner has been promising a very aggressive green future for GM, and soon. The Volt displays much of their direction.

>> AUTO NEWS UPDATE - cont'd

available all-wheel drive, hand-tailored interior appointments and a new 3.6-liter direct-injection V-6 (about 300-hp). The CTS is scheduled for a late-summer launch in the US.

PORSCHE PANAMERA GETTING CLOSER

As four Porsche Panamera prototypes are testing at the famous Nürburgring racetrack in Germany, the new four-door, fourseat front-engine Porsche gets closer to its 2009 debut. The Panamera is an entirely new concept for Porsche with its taller body, hatchback design, split rear seat backs and 16.8 cubic feet of cargo space. The rear wheel drive Panamera will be available with a choice of two 4.8-liter V-8 engines; the naturally aspired version producing about 400 hp and the twinturbo model that produces about 500 hp. The later is said to produce 0-to-62 mph times of about 4.2 seconds and a top speed of 188 mph. An entry-level V-6 model is likely by 2010 and a hybrid version capable of 175 mph may come a year later. A seven-speed dual-clutch

transmission, like the Audi DSG (Direct Shift Gearbox), is also rumored to be in the works. US pricing is expected to be in the \$75,000 to \$115,000 range.

CHEVY BOLTS FORWARD WITH VOLT

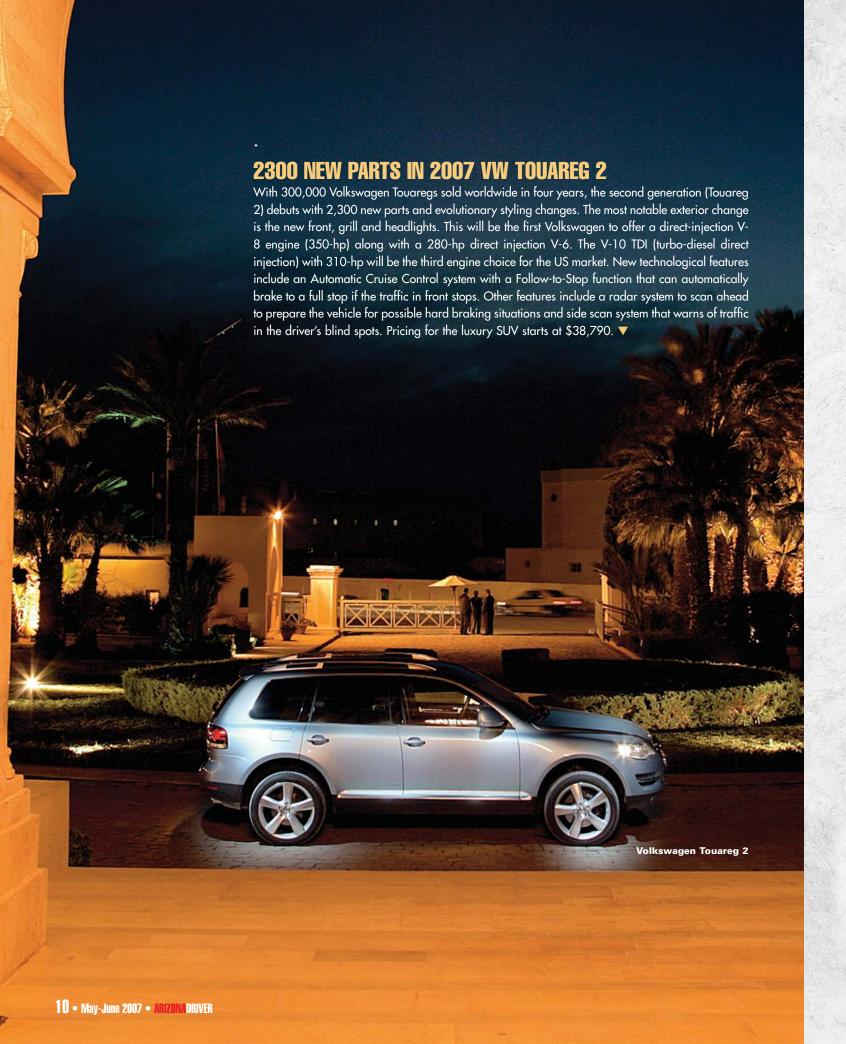
▲ Chevrolet's Volt concept, which debuted in Detroit in January, offers the most far-reaching application of energy saving technologies to date. The Volt is essentially an electric-powered car that plugs into a home or office 110-volt outlet to charge. A charge will give the Volt enough energy to drive 40 to 45 miles under normal conditions. As battery power diminishes, a turbocharged 1.0liter three-cylinder engine automatically starts and spins a generator to recharge the battery while delivering about 50 mpg and a city driving range of about 640 miles from a 12-gallon fuel tank. If the car is not driven more than about 40 miles a day, it may seldom need gasoline at all. The engine can also run on an E85 ethanol/gasoline mixture with a range of about 525 miles. The system, which General Motors calls E-flex, can be used with any powertrain from biodiesel to a

fuel cell to hydrogen internal combustion engine. The technology exists to build the Volt now, but GM engineers say the lithium-ion batteries cannot handle the workload over a long period. Once that hurdle is overcome, GM says the Volt could be produced as early as 2010.

WATCH FOR CHINESE AUTO INVASION

China America Cooperative Automotive Inc. (Chamco Auto) is looking for 150 new dealers in the United States to sell their SUVs and pickups starting in mid-2008. Their vehicles are expected to have a starting price of \$13,250. Miles Automotive Group wants to find up to 200 dealers to sell their speed-restricted ZX40S electric car, which is already in sale in the US for \$17,774. They also plan to offer another electric car, the Javlon XS500, late in 2008 for \$31,000 to \$32,000 and plans also call for an SUV at a future date. Both manufacturers have yet to be certified by the National Highway Traffic Safety Administration and the EPA.

KEEP RIGHT >>





Volvo is set to enter the hot hatch segment, ready or not. The Audi A3 has received raves, but the US has generally been lukewarm on such cars.

>> AUTO NEWS UPDATE - cont'd

VOLVO ADDS FUN C30 HATCHBACK

▲ With hints of the classic 1800ES from the early 1970's and the modern Volvo spirit, the C30 will take up the entry-level position in the growing Volvo lineup. The two-door hatchback has room enough for four adults, but with the rear seats down is a great car for two and a bunch (32 cubic feet) of things. However, like most two doors, rear seat access will require some bending skills. The C30 gets its power from a 218-hp turbocharged fivecylinder engine driving the front wheels through a five-speed manua-matic or sixspeed manual transmission. Look for 0to-60 mph times in the 6.6 second range and a top speed of 146 mph. Pricing is expected to be in the \$24,000 range when it goes on sale this spring.

AAA ONLINE MAPPING FREE TO PUBLIC

The 50-million member American Automobile Association (AAA) has opened up their online mapping tool to the public. The TripTik® Internet mapping utility combines full-color, high-resolution

graphics with user-friendly navigation and many other useful functions at no charge or no membership required. The system includes road condition information, fueling location addresses and fuel prices for local gas stations. TripTik also features 400,000 "points of interest" including lodgings, restaurants, events and attractions. Hotel and restaurant listings include AAA ratings, price levels and contact information. To use the AAA TripTik go to AAA.com on the Internet.

TOYOTA MATRIX TO BECOME BLADE

Toyota's Matrix hatchback will be replaced in 2008 with another similar format vehicle based on the Toyota Corolla and with a visual benchmark of the popular Mazda3. The replacement vehicle is already being sold in Europe as the Auris and in Japan as the Blade, but the US version will get its own sheetmetal including a different beltline. Toyota has registered the Blade name with the US Patent and Trademark Office. The Japanese version is powered by a 158-hp 2.4-liter four-cylinder engine. If that same engine comes to the

US, it will be a significant jump in power over the 1.8-liter 126-hp engine powering the current Matrix.

GEARBOX CUTS SHIFTING TIME IN HALF

ZF Friedrichshafen AG, has a new six-speed automatic transmission that cuts shift times in half and improves fuel efficiency by 3 to 6 percent. The transmission is currently being used in the BMW 335i and X5 4.8i, which both have an optional manual mode. To keep up with the competition, which is now going to seven- and eight-speed transmissions, ZF is also developing two seven-speed, dual clutch transmissions. ZF developed the first six-speed automatic in 2001.

2ND GENERATION TOYOTA HIGHLANDER

Toyota debuted a more powerful and upscale second generation Highlander at the recent Chicago Auto Show. Seven years after the first Toyota Highlander SUV arrived in showrooms, the second generation will give buyers a big step up from the original. With an emphasis on

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>> AUTO NEWS UPDATE - cont'd

ride, handling, quietness and comfort, the new Highlander is also significantly larger in almost all dimensions netting an increase of nearly 12 cubic feet of interior space. All three models are powered by a new 3.5-liter V-6 engine rated at 270 hp (55 more than the last generation) with virtually no fuel economy penalty. The second row captains' seats have a unique "Center Stow" folding seat that hides in a compartment under the front console until extra passenger space is needed. The Highlander is due at dealerships in July and will be followed by a hybrid version in September.

AUDI Q7 DIESEL THIS SUMMER

The Audi Q7 SUV will be available with a 326-hp and 561-lb.ft. of torque diesel V-8 this summer. Audi says the 4.2-liter TDI engine will average about 21 mpg and accelerate from 0-to-62 mph in 6.4 seconds. The top speed is listed at 145 mph. Like other Q7 models, it will use a six-speed automatic transmission and Audi's sport-tuned Quattro all wheel drive system. The sophisticated diesel engine uses a forged chrome-molybdenum forged steel crankshaft, low-friction roller cam followers for the 32 valves and electronically actuated flaps to swirl the intake air. The engine uses two turbochargers to provide high torque even at low engine speeds.

ONSTAR DIGITAL LOSES CUSTOMERS

The General Motors OnStar system will loose about 500,000 subscribers January 1, 2008 when their cell phone carrier completes its government mandated transition from analog to digital service. The change will affect pre-2003 GM vehicles. To encourage customers to switch to digital service, OnStar is offering a free year of service. The basic Safe & Sound subscription costs \$199 for a year. Some vehicles can be retrofitted with a new system for about \$15 for the upgrade, but others will require the customer to buy or lease a new GM vehicle. A downside of the digital system is coverage will be limited in some rural areas. The Lexus.Link system which uses OnStar services will have to discontinue service for some vehicles built between 2001 and 2004. Although unrelated, the

Mercedes-Benz Tele Aid system will have to deal with the same problem as the analog systems are phased out.

NISSAN GT-R UPDATE

GT-R information continues to seep from Nissan as the supercar gets closer to a late 2007 or early 2008 introduction. The GT-R will be powered by a new 3.7-liter version of Nissan's VO engine. With twin-turbochargers the V-6 should produce about 450 horsepower, but the magazine believes the engine will have room for more modifications. The transmission will be a Getrag six-speed manual or a paddle-shift sequential seven- or eight-speed automatic. Odds are the GT-R will be all-wheel drive. The car seen testing at the famous Nürburgring racetrack had massive sixpiston Brembo brakes. The GT-R is expected to sell for about \$70,000.

SATURN WANTS TO CHAT

As an industry first, Saturn has added a 24/7 chat room to their www.saturn.com website so customers can ask questions about all the new products. According to Saturn General Manager, Jill Lajdziak, "We have a big story to tell. We are using lots of different media to communicate our message." By fall, the oldest vehicle in the Saturn lineup will be the Sky roadster that debuted in 2006. In addition to chatting with knowledgeable product specialists, interested customers can even schedule a time to drive one of the new Saturn vehicles. Saturn's new lineup includes the Aura, which was picked at the North American Car of the Year in January 2007, the larger Outlook crossover and a redesigned Vue crossover goes on sale this summer. The Ion replacement, the European-built Astra, will be in showrooms by the end of the year.

TWO C-CLASS VERSIONS FOR 2008

The Sport version of the all new 2008 Mercedes-Benz C-Class is distinguished by the large star centered in the grille, while the luxury version get the traditional smaller star mounted on the hood. Three models are offered: the C300 Sport, C350 Sport and C300 Luxury. The 300 versions are powered by a 3.0-liter V-6 that is rated 231 hp, while the 350 gets a 272-hp 3.5-liter V-6. A six-speed manual transmission is standard on the



The ZENN factory is churning these little guys out in volume. Falling somewhere between a Prius and a golf cart, we'll see if the market defines itself.

C300 Sport, but the other models have a seven-speed automatic. The sleek, wedge-shaped sedan, which looks like a scaled-down version of the S-Class, is the world's first production vehicle designed and developed on a digital prototype, which means the first ready-to-drive prototypes are much closer to production levels. A 500-hp plus C63 AMG and Bluetec diesel will be offered in 2008.

ZENN—NEIGHBORHOOD ELECTRIC CAR

▲ ZENN Motor Company of Toronto, Canada has started marketing zero emission, no noise, full-featured electric cars. The three-door hatchback seats two and has 13 cubic feet of cargo space with all the normal features expected in a traditional car like a heater, air conditioning, wipers, power windows, power locks with remote keyless entry and even a sunroof. Designed strictly for urban use the 100% battery-powered vehicle is charged using a standard 120 volt outlet. The ZENN has a maximum speed of 25 mph and a range of about 35 miles on a full charge. An 80 percent charge takes four hours, while a full charge to the six 12-volt heavy-duty batteries takes eight hours. Two ZENN models, the 2.2 and 2.2LX are available for \$12,750 and \$14,700 respectively. For more information and a list of US dealerships go to www.ZENNcars.com.

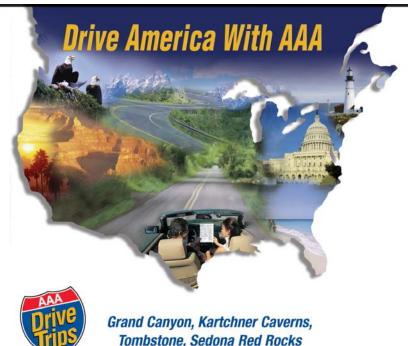
CADILLAC GETS A POWERFUL V-6

General Motors is planning to use a new 300-hp, 3.6-liter V-6 engine in the CTS and STS sedans. The new engine will be the most powerful V-6 ever in a GM

vehicle, even including the turbocharged 3.8-liter V-6 used in the legendary Buick GNX coupe. The new engine uses direct fuel injection and high compression ratio to develop the power. Special pistons were developed to ensure smooth starts in cold weather. According to Automotive News the engine uses a collar between the injectors and the cylinder heads to absorb shocks and reduce the clicking noise as the injectors shoot fuel into the cylinders. The engine is also expected to earn an 18 mpg city and 27 mpg highway EPA fuel economy rating when it debuts this summer.

Auto News Update includes news compiled for Arizona Driver by BILL & BARBARA SCHAFFER of Auto Digest





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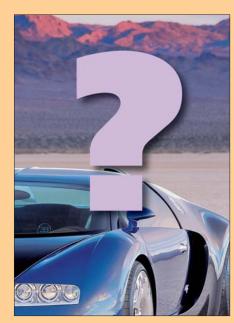
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- 1. Which top on the new hardtop convertibles lowers (and raises) the fastest?
- a. Volvo C70
- b. BMW 3 Series
- c. Mazda MX-5 Miata
- d. Mercedes-Benz SLK
- 2. How much has the towing capacity of the new 2007 Toyota Tundra increased from the previous generation Tundra?
- a. 0 percent
- b. 38 percent d. 71 percent
- c. 55 percent
- 3. Who makes the V-6 and V-8 engines used in the Avanti?
- c. Chrysler
- a. General Motors b. Ford
- 4. When were the first six-cylinder Chevrolet Corvettes built?
- a. 1951 c. 1955
- h 1953 d. 1957
- 5. Which city has the oldest auto show in the world?
- a. Detroit c. Chicago
- b. Geneva d. Los Angeles
- 6. What is the median age of a Scion owner? a. 24 years old b. 30 years old
- c. 35 years old
- d. 39 years old
- 7. Which manufacturer added a new aftermarket version of one of their cars called the Alpina B7?
- a. Audi
- h RMW
- c. MINI Cooper d. Subaru
- 8. What percentage of new cars sold are to "baby boomers" (people born 1946-1964)?
- a. 25 percent
- b. 39 percent
- c. 55 percent
- d. 70 percent

- 9. Which car has Ford rebadged to sell as the new Taurus?
- a. Ford Fusion
- Mazda 6
- c. Ford Five Hundred
- d. Ford Mondeo
- 10. What car was listed as the "Greenest Vehicle of 2007" in the ACEEE Green Book® Online?
- a. Honda Civic GX
- b. Toyota Prius Hybrid
- c. Honda Civic Hybrid
- d. Nissan Altima Hybrid
- 11. Since the National Maximum Speed Limit was repealed in 1995, how may states have raised their speed limits to 70 mph or higher?
- a. 18 states c. 31 states
- b. 26 states d. 39 states
- 12. What percentage of drivers keep a flashlight in their vehicle?
- a. 41 percent
- b. 63 percent

d. 82 percent

- c. 70 percent
- 13. What percentage of Audis sold in the US are equipped with quattro all-wheel drive?
- a. 33 percent
- b. 51 percent
- d. 85 percent c. 69 percent
- 14. What did Carroll Shelby's personal 1966 Cobra 427 Supersnake sell for at the annual Barrett-Jackson auction in Scottsdale in January?
- a. \$2.5 million
- b. \$3.5 million
- c. \$4.5 million
- d. \$5.5 million
- 15. What percentage of Ford's total vehicle sales for 2006 were F-150 pickups?
- a. 18 percent
- b. 26 percent

b. Cadillac

d. Jaguar

d. 41 percent

- c. 33 percent
- 16. What cars were used in the television commercial where one man asked the man in car next to him, "Pardon me, do you have any Grey Poupon?'
- a. Bentley
- c. Rolls-Royce
- 17. What car made its first public appearance in the latest James Bond movie, Casino Royale?
- a. Ford Mondeo
- b. Jaguar XKR
- c. Aston Martin DBS
- d. BMW 645i convertible
- 18. Where are the Spyker sports cars built?
- a Italy
- b. Germany
- c. Netherlands
- d. United States

- 19. Which automobile manufacturer was ranked highest in the Business Week list of companies providing the best customer service?
- a. Cadillac
- d. Buick c. Porsche
- 20. What is the maximum towing capacity of the new Ford F-450 crew cab truck?
- a. 20,500 lbs b. 24,500 lbs
- c. 28,500 lbs d. 32,500 lbs
- 21. Which car company has the "Most Useful Automaker New-Vehicle Site" on the Internet?
- a. Kia
- b. Hummer

b. Lexus

- c. Mazda d. Honda
- 22. How many pounds per square inch (PSI) of air pressure does a typical tire lose each month?
- a. 0.25 pound c. 1 pound
- b. 0.5 pound d. 1.5 pounds
- 23. What was the first Toyota car to be imported into the United States in 1957?
- a. Corona
- b. Corolla
- c. Crown d. Celica
- 24. Which Chevrolet car was the brand's hestseller in 2006?
- a. Aveo
- b. Cobalt
- d. Malibu c. Impala 25. Which manufacturer is sending
- replicas of a recent award to some owners of the award winning car?
- a. Ford
- b. Chevrolet
- c. Saturn d. Honda
- 26. The head of which automotive company was recently knighted by the Queen of England?
- a. Dieter Zetsche of DaimlerChrysler
- b. Carlos Ghosn of Renault/Nissan

d. Ferdinand Piech of Volkswagen

- c. Helmut Panke of BMW
- 27. Which of the following was the best selling vehicle in China in 2006?
- a. Buick Excelle b. Hyundai Elantra
- c. Volkswagen Jetta d. Honda Accord
- 28. What percentage of women shoppers take a man along to a new car dealer?
- a. 17 percent
- b. 29 percent d. 66 percent

b. Toyota

- c. 48 percent
- a. Suzuki
 - d. Subaru

29. Who made a pickup called the Stout?

ANSWERS ON NEXT PAGE >>

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CAR SMARTS: ANSWERS

>ANSWERS (quiz on previous page)



- Answer: c. At 12 seconds to completely open or close, the Mazda MX-5 Miata is the fastest retractable hardtop.
- Answer: c. The maximum towing capacity of the new 2007 Toyota Tundra has been increased from 6,500pounds to 10,100-pounds, or about 55 percent. The total payload has only increased by five pounds.
- 3. Answer: b. The Avanti coupe and convertible are powered by Ford V-6 and V-8 engines.
- Answer: b. The first Corvettes built had six-cylinder engines with two-speed automatic transmissions when they rolled off the assembly line in Flint, Mich. in 1953.
 These cars were essentially hand-made pilot cars.

- Answer: c. The first Chicago auto show was in 1901 making it the first and oldest auto show in the world.
- 6. Answer: b. According to Scion VP Mark Templin, the median age of a Scion owner is 30 years old.
- Answer: b. BMW introduced the Alpina B7 version of the 7 Series Sedan at the Chicago Auto Show. It's powered by a 500-hp supercharged version of the 4.4liter BMW V-8 engine.
- 8. Answer: d. According to Ford Executive Vice President Mark Fields, 70 percent of the new car purchases are made by "baby boomers".
- Answer: c. In February, Ford rebadged the slow-selling Five Hundred sedan as the new Taurus. The Freestyle crossover became the Taurus X and the Mercury Montego became the Sable.
- 10. Answer: a. According to the ACEEE (American Council for an Energy Efficient Economy) Green Book® online, the compressed natural gas (CNG) powered Honda Civic GX is the "Greenest Vehicle of 2007" with a top score of 57 on their index. Prius 55. Civic Hybrid 53. Altima hybrid 48.
- 11. Answer: c. According to Business Week magazine, 31 states have raised their speed limits to 70 mph on some portion of their roadway systems since Congress repealed the National Maximum Speed Limit in 1995.
- 12. Answer: b. According to the National Safety Council, 63 percent of drivers keep a flashlight in their cars.
- 13. Answer: d. According to Audi, about 85 percent of the vehicles sold in the United States are equipped with quattro all-wheel drive. Worldwide about 33 percent of the Audi vehicles have quattro.

- Answer: d. Carroll Shelby's personal 1966 Cobra 427
 Supersnake sold for \$5.5 million at the January 2007
 Barrett-Jackson auto action in Scottsdale, Ariz.
- Answer: c. According to Automotive News's Data Center, 33 percent of Ford's 2006 sales in were F-150s.
- 16. Answer: c. The man who asked the man in the backseat of the car next to him if he had any Grey Poupon mustard was riding in the back seat of a Rolls-Royce. The man he asked also was in a Rolls-Royce.
- 17. Answer: a. Ford used the James Bond Casino Royale movie to first show a hand-built version of its upcoming European Mondeo five-door hatchback. It's the first car to appear in the film as Bond drives to a hotel after arriving in the Bahamas on the trail of a terrorist cell.
- 18. Answer: c. The Spyker high performance sports cars are built in the Netherlands.
- Answer: a. Cadillac was ranked 3rd on the Business Week Customer Service Elite list. Lexus 7th. Porsche 17th. Buick 24th. The only other carmaker in the list of 25 was Lincoln at 25th.
- 20. Answer: b. The new Ford F-450 truck has a towing capacity of 24,500 pounds. It's the only truck of its size to come with a complete crew cab body. Prices of the big truck range from \$51,280, including delivery, to \$62,000 for the King Ranch model.
- 21. Answer: a. According to the J.D. Power and Associates survey of new-vehicle shoppers, Kia received the highest rating of 868 points on a 1,000-point scale for their consumer web site. Hummer 865. Mazda 864. Honda 859. The industry average was 834.
- 22. Answer: c. According to Bridgestone, the average tire loses about 1 pound per square inch (psi) of tire pressure per month. Check your tire pressure monthly.
- 23. Answer: c. The Toyota Toyopet Crown was the first car Toyota imported to the United States.
- Answer: c. The top selling Chevrolet car for 2006 was its largest, the Impala, with total sales of 289,868.
 Cobalt 211,449. Malibu 163,853. Aveo 58,244.
- 25. Answer: c. To promote winning the North American Car of the Year award and to thank their customers, Saturn is circulating five replicas of the coveted crystal award to 100 owners of the Saturn Aura who requested it. The Aura owners keep the award a few days and then send it back so it can be sent to the next owner.
- 26. Answer: b. In February, Nissan CEO Carlos Ghosn was named a Knight Commander of the Order of the British Empire. That position does not allow him to be called "Sir Carlos", but it does allow him to include the initials "KBE" after his name.
- 27. Answer: c. The Volkswagen Jetta was the best selling vehicle in China for 2006 with total sales of 176,844. Hyundai Elantra was second at 169,716. Third and fourth best selling models were the Chinese Cherry QQ (132,019) and Faw N3 (129,258), followed by the Buick Excelle (127,923) and Honda Accord (123,853).
- 28. Answer: d. According to a Harris Interactive® survey, 66 percent of women new car shoppers, took a man to the dealership with them.
- 29. Answer: b. In 1964, Toyota's first truck in America was called the Stout. The 4x2 compact pickup was powered by an 85-hp 1.9-liter four-cylinder engine. Only four were sold the first year.

The Car Smarts quiz includes news and trivia from industry sources, trade journals and consumer magazines compiled for *Arizona Driver* by **BILL & BARBARA SCHAFFER** of *Auto Digest*.



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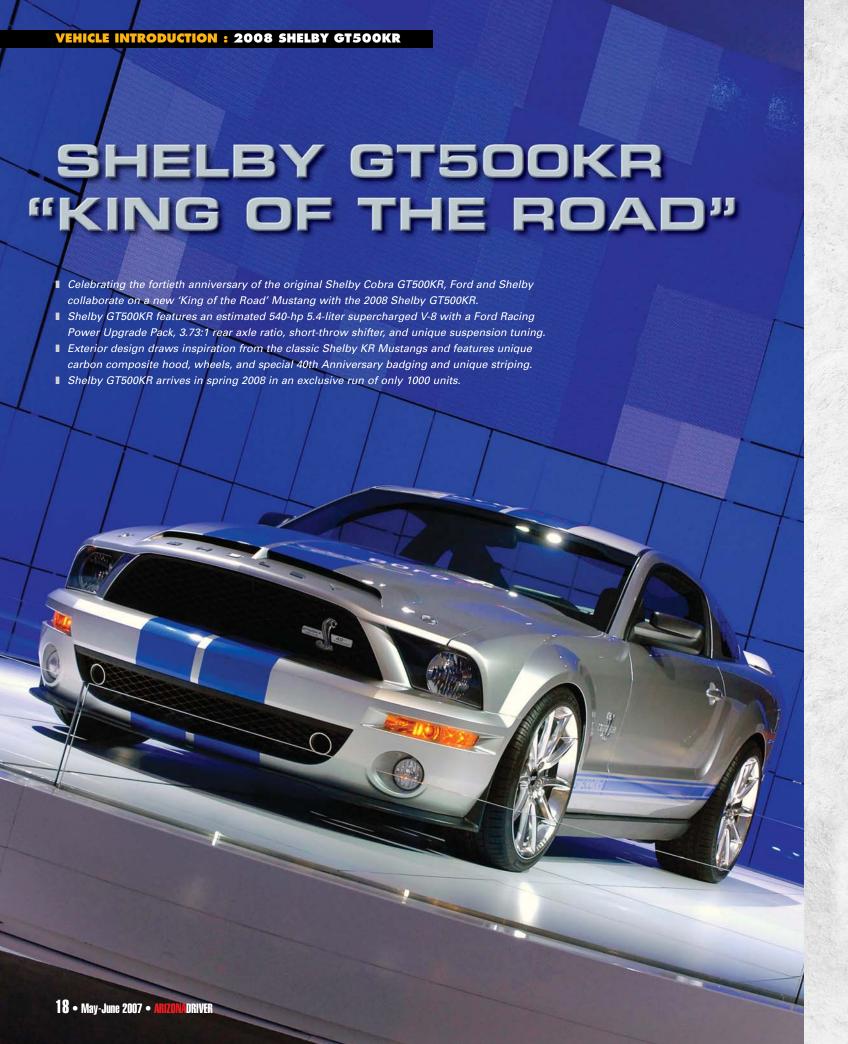
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ord and Shelby Automobiles are at it again, this time in celebration of the fortieth anniversary of the 1968 Shelby Cobra GT500KR. Unveiled at the 2007 New York International Auto Show, the 2008 Shelby GT500KR—the most powerful Mustang to date—will once again mark Mustang as "King of the Road."

"I'm proud to once again be a part of an historical moment, bringing back the 'King of the Road' Mustang, and collaborating with Ford SVT and Ford Racing" said Carroll Shelby. "I'm committed to continuously upping the ante when it comes to performance, and it's great to be doing it with Ford."

Forty years ago, at the 1967 New York Auto Show, Ford introduced the most powerful Shelby Mustang ever. Like every Mustang that bore the name "Shelby," the GT500KR carries its own unique story.

The 1968 Shelby Cobra GT500KR was a mid-year introduction, based on the 1968 Shelby GT500. Ford added "Cobra" to the Shelby's moniker to help usher in the beginning of a new performance era at the company. The Cobra name referred to the new 428 Cobra Jet V-8 that was planted under the KR's custom fiberglass

hood. It was the engine that once again vaulted Mustang to the head of the pack.

Ford conservatively rated the 428 CJ at 335 horsepower, but in reality it made more than 400 horsepower and 440 pounds-feet of torque. The KR model was also equipped with a modified suspension and was offered both in fastback and convertible models. Ford dealers sold 1,570 GT500KR models in 1968, 1053 fastbacks and 517 convertibles.

While "King of the Road" may have been the perfect name for the world's most powerful Mustang, it also provided Shelby the chance to steal the thunder from cross-town rival General Motors. As the legend goes, Shelby learned that GM was planning a high-performance model called "King of the Road." Since he had always wanted to use the name, and as one to never miss an opportunity, Shelby set his organization in gear, registering the name and designing new badging for the Cobra Jet-powered Mustang, christening it the GT500KR, and bringing Ford's "King of the Road" to market before GM ever got a chance to use the name.









THOROUGHBRED PEDIGREE

Just like its 1968 namesake, the 2008 Ford Shelby GT500KR builds on the strong foundation of the Shelby GT500. Packing 40 more horses under its custom-designed carbon composite hood, the GT500KR is the most powerful production Ford Mustang ever produced.

The modern Shelby Mustang line-up started with the 2007 Shelby GT500 coupe and convertible. With the recent launch of the 2007 Shelby GT, the 2008 Shelby GT500KR becomes the third production high-performance Mustang brought to market through the relationship between Shelby Automobiles and Ford. They also partnered with Hertz to produce a special limited run of 500 Shelby GT-H "rent-a-racer" Mustangs available only for rent.

The 2007 Shelby GT500 has been one of the most successful vehicle programs in the 14-year history of Ford Special Vehicle Team (SVT), and that success has opened the door for more performance collaborations between Shelby Automobiles and Ford Racing. Working together, these three performance powerhouses are driving Mustang momentum on the street and on the racetrack. Dealers cannot keep the cars on their lots, customers are clamoring for more, and racers are bringing home championships.

The first 2007 Shelby GT500 available to the public sold for \$600,000 at the 2006 Barrett-Jackson Collector Car Auction in Scottsdale, benefiting the Carroll Shelby Children's Foundation. 2007 Shelby GT VIN#1 also went for \$600,000 at charity auction, this time at the 2007 Barrett-Jackson auction (and the winning bidder also purchased VIN#2 at MSRP). Shelby GT-H coupes auctioned off to Ford dealers after completion of Hertz rental duty consistently average \$50,000, with high auction bids of \$90,000.

The Shelby GT500KR will be produced in an exclusive run of 1000 units and will arrive at Ford dealers in spring 2008.

CROWNING THE "KING"

Ford SVT chief designer Doug Gaffka and his team worked closely with Carroll Shelby and the Shelby team to make certain the new KR was crafted in the spirit of the original Shelby muscle car.

Gary Davis, VP of production and product development for Shelby, played a key role in defining the look of the custom designed carbon composite hood for the GT500KR. His knowledge of the original GT500KR helped sculpt a modern interpretation of the original's bulging hood scoop, a visual indication of the extra horsepower packed beneath it. The hood is secured by a pair of stainless steel, twist-down hood pins. The composite front valance houses a pair of chrome-trimmed, functional brake ducts to cool the large 14-inch, vented Brembo front brakes.

Side stripes are true to the original KR right down to the font used for the 'GT500KR' lettering, while the classic LeMans-style striping that races down the center of the car has been deleted between the leading forward edge of the hood scoops and the front of the hood,

accenting the scoops and giving the KR its distinctive face. "That was Shelby's idea," said Gaffka. "It's a special touch that adds some down-the-road differentiation. There will be no doubt that it's a "King of the Road" Mustang that's filling up your rearview mirrors."

Each KR model is identified by special 40th Anniversary KR badges on the fenders and grille, distinctive body colored mirror caps and Shelby lettering stretching across the front of the hood and along the rear portion of the deck lid. A special Shelby VIN tag is mounted in the engine compartment of each vehicle.

The all-leather interior features Carroll Shelby signature embroidered headrests and an official Shelby CSM 40th Anniversary GT500KR dash plate mounted at the top of the center stack.

5.4-LITER V-8 GETS THE ROYAL TREATMENT

Just like its namesake, the 2008 "King of the Road" packs a walloping dose of performance power under its massive composite hood scoops. The Ford SVT-engineered 5.4-liter supercharged V-8 is treated to a Ford Racing Power Upgrade Pack that boosts horsepower to an estimated 540 and torque to 510 ft.-lbs., thanks to revised ignition and throttle calibration and a cold air intake system that replaces the stock unit.

Calibration modifications include advancing the ignition timing as well as re-mapping of the electronic throttle settings to provide quicker throttle response for better off-line and mid-range



2008 Ford Shelby GT500KR Racing Legend Carroll Shelby (right) joins J Mays, Ford's Group Vice President, Design, at the 2007 New York International Auto Show to debut the most powerful Mustang ever—the 2008 Ford Shelby GT500KR, created to celebrate the 40th Anniversary of the original 1968 GT500KR "King of the Road". Photo: Sam VarnHagen/Ford.

acceleration. Increased throttle response will be met with a sharper roar from the Ford Racing-inspired exhaust system.

Power is delivered to the rear wheels through a Tremec TR6060 six-speed manual transmission and 3.73:1 rear axle ratio, upgraded from the standard GT500's 3.31:1. Gear selection is courtesy of an allnew Ford Racing short-throw shifter making its debut on the KR. Topped with a white ball, the new shifter is 25 percent shorter than the unit on the GT500 providing for crisper, sharper shifts.

Ford SVT, Ford Racing and Team Shelby worked together to develop the KR's suspension tuning. Based on initial work by Ford Racing and the team at Shelby, often at Shelby's own facility on the grounds of Las Vegas Motor Speedway, Ford SVT chassis engineers will apply fine tuning techniques to prepare it for the streets. Chassis engineers worked closely with the engine department in a holistic approach to the development of the KR, tuning the suspension to best optimize the engine enhancements. The

show car wears exclusive Shelby-designed 20-inch forged, polished aluminum wheels with special custom center caps, mounted on Pirelli rubber. Production models will arrive with an 18-inch version of the design.

"We aren't fixing our attention on one or two attributes, but working on the vehicle as a whole," stated Gary Patterson, vice president of operations for Shelby Automobiles. "The throttle response, power delivery, exhaust note, and handling should all gel together to deliver a total driving experience."

The show car wears exclusive Shelby-designed 20-inch forged, polished aluminum wheels with special custom center caps, mounted on Pirelli rubber. Production models will arrive with an 18-inch version of the design. The GT500KR will feature unique spring rates, dampers, stabilizer bars, and strut tower brace, all designed specifically for the KR, to deliver the precision handling package.









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MUSTANG MOMENTUM

Unwilling to wait for the impending pony car war to heat up, Ford is feeding enthusiast demand for more models, features, parts, and special editions. Ford has committed to at least one new Mustang "feature" vehicle per year. For 2007, it is the Shelby GT, and for 2008, there will be at least two, including the Shelby GT500KR and the previously announced Mustang Bullitt. Ford has also introduced several special packages on Mustang further increasing its unique offerings, including the Pony Package and the California

Special. In addition, Ford Racing offers a complete catalog of performance parts for Mustang fans, from custom wheels and exhausts to the complete, turn-key Ford Racing Mustang FR500C race car. As a result, Ford offers Mustang enthusiasts the ability to buy, modify and drive the steed that perfectly fits their need. (See our feature on the new Red Stripe Appearance Package, page 24.) There are currently four horsepower options for Mustang, with pricing from \$19,995 for a 240-hp V-6 Mustang coupe to \$46,500 for a 500-hp Shelby GT500 convertible.



GT500KR SPECIFICATIONS & DESIGN HIGHLIGHTS

- 5.4-liter supercharged V-8 producing an estimated 540-hp and 510 ft.-lbs. of torque
- Ford Racing Power Upgrade Pack featuring revised calibration and cold air intake system
- 6-speed manual transmission with 3.73:1 rear axle ratio
- Ford Racing performance exhaust system
- Unique performance suspension tuning: springs, dampers, and stabilizer bars
- Shelby-designed 'GT500KR' 20-inch wheels (18-inch version for production)
- Ford Racing short-throw shifter and front strut tower brace
- Unique carbon composite hood featuring classic Shelby 'KR' design
- Front brake cooling ducts
- "Shelby" lettering across the front edge of hood and rear decklid
- 40th Anniversary badges on the front quarter panels
- Carroll Shelby signature embroidered headrests and floor mats
- Official Shelby CSM 40th Anniversary GT500KR dash plate









NEW LIMITED-EDITION 2007 FORD SHELBY GT500 OFFERS MUSTANG ENTHUSIASTS A CHANCE TO HIT THE REDLINE

2007 Ford Shelby GT500

Red Stripe Appearance Package

ven with demand for the most muscular Mustang ever—the Ford Shelby GT500—at a record high, Ford is cranking things up with a new limited-edition package. Enter the "Red Stripe Appearance Package," available beginning in May.

The Ford Shelby GT500 is the most powerful Mustang on the road prior to the GT500KR (see cover story, page 18) and one of the most successful projects from Ford's Special Vehicle Team (SVT) in terms of performance and, importantly, quality.

In fact, early indicators show the Shelby GT500 is a quality standout. In the most recent Global Quality Research System (GQRS) study from RDA Group, an



independent research company based in Bloomfield Hills, Michigan, the Shelby GT500 was the highest-quality Mustang model, with the fewest things gone wrong in the first three months of ownership.

The Mustang line scores above the segment average in quality, according to the GQRS study, and the Shelby GT500 specifically scored the top result in the

"sports car" segment.

The Red Stripe Appearance Package will be available on any new 2007 Shelby GT500 Coupe in either white or black. Included in the package are bright red overbody and bodyside stripes, a red and black leather interior, unique red-accent exterior badges, including red-tinted Cobra emblems in the grille, fenders, and in the

faux gas cap on the rear panel. Even the "SHELBY" letters on the decklid feature red accents.

The Red Stripe package also adds premium floor mats with a Red and Silver embroidered "Cobra Snake" logo, plus a fitted Shelby GT500-branded car cover.

The appearance package carries an MSRP of \$1,650 and will be available from early May through late June, marking the end of the 2007 model run. So don't delay.

Enthusiasm doesn't begin to describe the ongoing demand for the Ford Shelby GT500. In the hyper-competitive auto market where supply routinely surpasses demand, the Shelby GT500 still has a long waiting list of buyers.

The Shelby GT500 was created by racing legend Carroll Shelby and Ford SVT and is a modern interpretation of the classic Shelby Mustang of the 1960s. Beneath the hood of every GT500—including the new Red model—is a 5.4-liter supercharged V-8 engine officially rated at 500 hp. A 6-speed manual gearbox features evenly spaced gears that help provide a sharp, lively driving experience on both road and track. In addition to the engine upgrades,

features include wide upper and lower fascia openings with a functional air splitter. On either side, slanting headlamp openings add to the dramatic front

The basic GT500's unique design



Ford's SVT engineers retuned and upgraded key Mustang chassis components. Improvements include revised shocks, spring rates and upgraded stabilizer bars.

appearance. This makes the car look much more like the original Mustang concept, than standard production Mustangs do. The carefully tailored hood has heat extractors protruding near the leading edge, combining to provide improved airflow and aerodynamics.

MSRP of a 2007 Ford Shelby GT500 starts at \$41,675. ■

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Petersen Automotive Museum (see Calif.)

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Phoenix Art Museum mounts first-of-its-kind 20th century automobile design exhibition

Curves of Steel: Streamlined Automobile Design Features many one-of-kind cars - through June 3, 2007

hroughout the 20th century, the automobile was revered in American culture; thus, many of the world's greatest designers have worked in the field, creating and combining extreme beauty of line and the science of streamlining and aerodynamics.

Phoenix Art Museum is proud to have organized and to be presenting the first exhibition in an art museum to explore the impact and influence of streamlining and aerodynamics on American and European automobile design in the 20th century. *Curves of Steel: Streamlined Automobile Design*, on view at Phoenix Art Museum April 1 – June 3, 2007, is an expression of cars and designs that changed the face and shape of the automobile. It features 22 of some of the

rarest and most stunning cars ever to be presented in one show—many are the only existing examples of their kind.

Assembled are such names as Auburn, Alfa Romeo, Lincoln-Zephyr, Hispano-Suiza, Bugatti, Delage and Delahaye—including the elusive 1937 Delahaye 145 "Million Franc Prize" Grand Prix winner.

Streamlining is an expression of architecture and cultural design as a manifestation of aerodynamic science. Phoenix Art Museum has assembled an array of some of the great chassis and designs that pioneered the science of airflow and aerodynamics. Some of North America's most discerning collectors have opened their garage doors to share their prizes of automotive grace and form.

Included in the exhibition are:

1934 Chrysler Imperial Airflow

1935 Auburn 851 Speedster

1936 Stout Scarab

1936 Bugatti Type 57SC Atlantic Coupe

1936 Peugeot 402 Darl'mat Coupe

1937 Cord 812 Sportsman

1937 Delahaye 145 "Million Franc Prize" Grand Prix race car

1937 Dubonnet Hispano-Suiza H-6c Xenia by Saoutchik

1938 Embiricos Bentley

1938 Talbot-Lago T150C "Teardrop" Figoni et Falaschi coupe

1938 Alfa Romeo 8C 2900

1938 Darracq-Talbot Lago T-150 c by Figoni et Falaschi

1938 Delage D8-120 S Pourtout Aréo Coupé

1939 Delahaye 165 Cabriolet by Figoni et Falaschi

1939 Lincoln Zephyr

1941 Chrysler Thunderbolt

1948 Tatra T87

1948 Tucker

1952 SoCal Belly Tank

1957 Ferrari 625/250 Testa Rossa TRC

1986 Oldsmobile Aerotech

1994 McLaren F1

From its earliest years, the automobile adopted the designs of the horse-drawn age. Gradually automotive design evolved and the engine moved forward. By the 1920s, European designers were beginning to adapt the science of airflow from aircraft to the automobile. At first these new designs were focused on experimental prototypes and speed record cars.

In the 1930s, automobile culture exploded with art deco and streamline forms applied to the automobile. Streamline designs or influences were applied to luxury vehicles such as Auburn, Cord and Lincoln-Zephyr in the United States. General Motors used many streamline motifs, but was late to jump fully into the style, while Chrysler was an early proponent of aerodynamic design with the Airflow and the experimental Newport and Thunderbolt. In Europe, the

KEEP RIGHT >>

French Bugatti Atlantic Coupe, and many coachbuilt Delage and Delahaye automobiles featured striking and modern designs influenced more by style than aerodynamic function.

Other, often smaller, manufacturers were more concerned with function and used design to reduce aerodynamic drag and increase stability. Tatra found that a modestly-powered vehicle could attain and maintain relatively high speeds if it was shaped properly. Many of the same principles were also applied to William Stout's exquisitely-detailed Scarabs.

The vehicles comprising this exhibition are among the rarest collector cars in the world and come to Phoenix from across North America. Meticulously restored to their original elegance inside and out, their cultural content will be explored in the exhibition through additional drawings, photographs and posters. Phoenix Art Museum also will present a wide-ranging line-up of public programs and events surrounding the show. The exhibition is intended to be a total experience celebrating some of the finest automobile designs of the last century.

The Bank

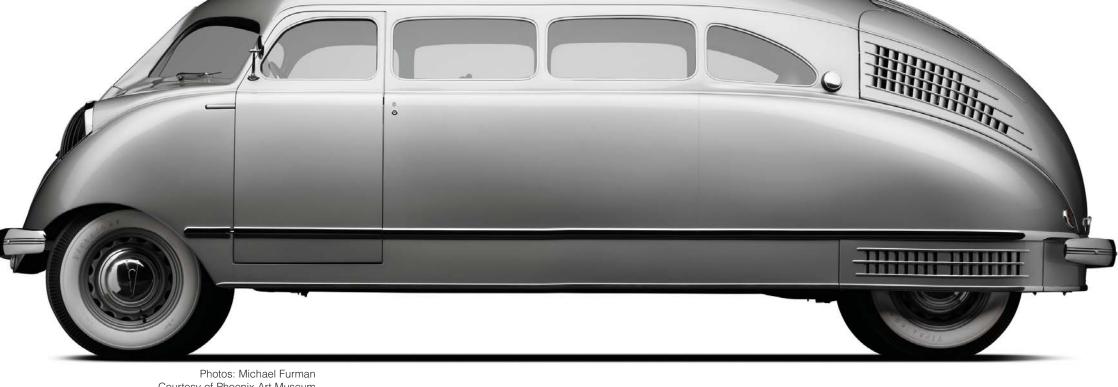
A 192-page accompanying book has been published, guided and written by a select team of automotive historians, writers and designers, including Ken Gross, Beverly Rae Kimes, Richard Adatto, Jonathan A. Stein, Phil Patton and Geoff Wardle, with more than 200 color photographs by world renowned automotive photographer Michael Furman. It is available for purchase in The Museum Store.

Exhibition Organizers and Advisors

The exhibition is organized by Phoenix Art Museum with the assistance of an advisory group consisting of Phil Patton, Geoff Wardle, Ken Gross, Michael Furman, Jonathan A. Stein and Richard Adatto. Patton is a design and art historian who frequently assists museums, such as the Museum of Modern Art, and is a frequent contributor to The New York Times. Wardle is associate chair of transportation design and director of advanced mobility research at Art Center College of Design, Pasadena, California. Gross is the former director of the Peterson Automobile Museum in Los Angeles and currently is contributing auto editor for Playboy and the Robb Report, and works with the Speed Channel. Furman is considered one of the finest automobile photographers in the world, with an expertise in pre-war coachbuilt cars. Director of publications for Hagerty Insurance and the former publishing director of *Automobile Quarterly*, Stein is a long-time automobile historian and the author of several books and hundreds of articles. Adatto is a member of the car selection committee and chief class judge at the Pebble Beach Concours d'Élegance and is a noted author and authority on coachbuilt French automobiles.

Phoenix Art Museum

The classically progressive design of the 203,000 sq. ft. Phoenix Art Museum integrates art and architecture with the Southwestern landscape, accommodating large traveling exhibitions and a collection of over 17,000 works in American, Asian, modern & con-



1936 Stout Scarah

Photos: Michael Furman Courtesy of Phoenix Art Museum Curves of Steel: Streamlined Automobile Design



KEEP RIGHT >>

temporary, European, Latin American and Western American art, and fashion design. Visitors also enjoy the Sculpture Garden, the Thorne Miniature Rooms of historic interiors, PhxArtKids interactive space for children, Art Museum Café and The Museum Store. Visitors can learn more about the Museum's collection through its bilingual, random access MP3 audioguide, available at the admissions desk. The Museum recently opened its \$50 million expansion project, which included the addition of a new glass-enclosed lobby and entry plaza, 4-level gallery wing, sculpture garden and expanded store.

Curves of Steel

Exhibition Admission: \$14 adults; \$6 children ages 6-17, free for Museum members (some restrictions apply) and children under age 6. Tickets are not for timed entry, but will be available for advance purchase. Includes Museum general admission.

- Exhibition Hours: Open during regular Museum hours (see below).
- Purchase Tickets: In person at the Museum, online at PhxArt.org, or by phone at (602) 307-2090 or (800) 452-0314.

Rembrandt and the Gulden Age of Dutch Art

Exhibition Admission: \$18 adults; \$8 children ages 6-17, free for children under age 6, and free for Museum members (some restrictions apply). Tickets are for dated and timed entry, and include the exhibition audioguide and general admission to the Museum.

- Exhibition Hours: Tuesday, 11:30am 9pm (last entry 7:30pm);
 Wednesday-Friday, 11:30am 5pm (last entry 3:30pm);
 Saturday & Sunday, 10am 5pm (last entry 3:30pm).
- Purchase Tickets: In person at the Museum, online at PhxArt.org, or by phone at (602) 307-2090 or (800) 452-0314.

Combined Admission

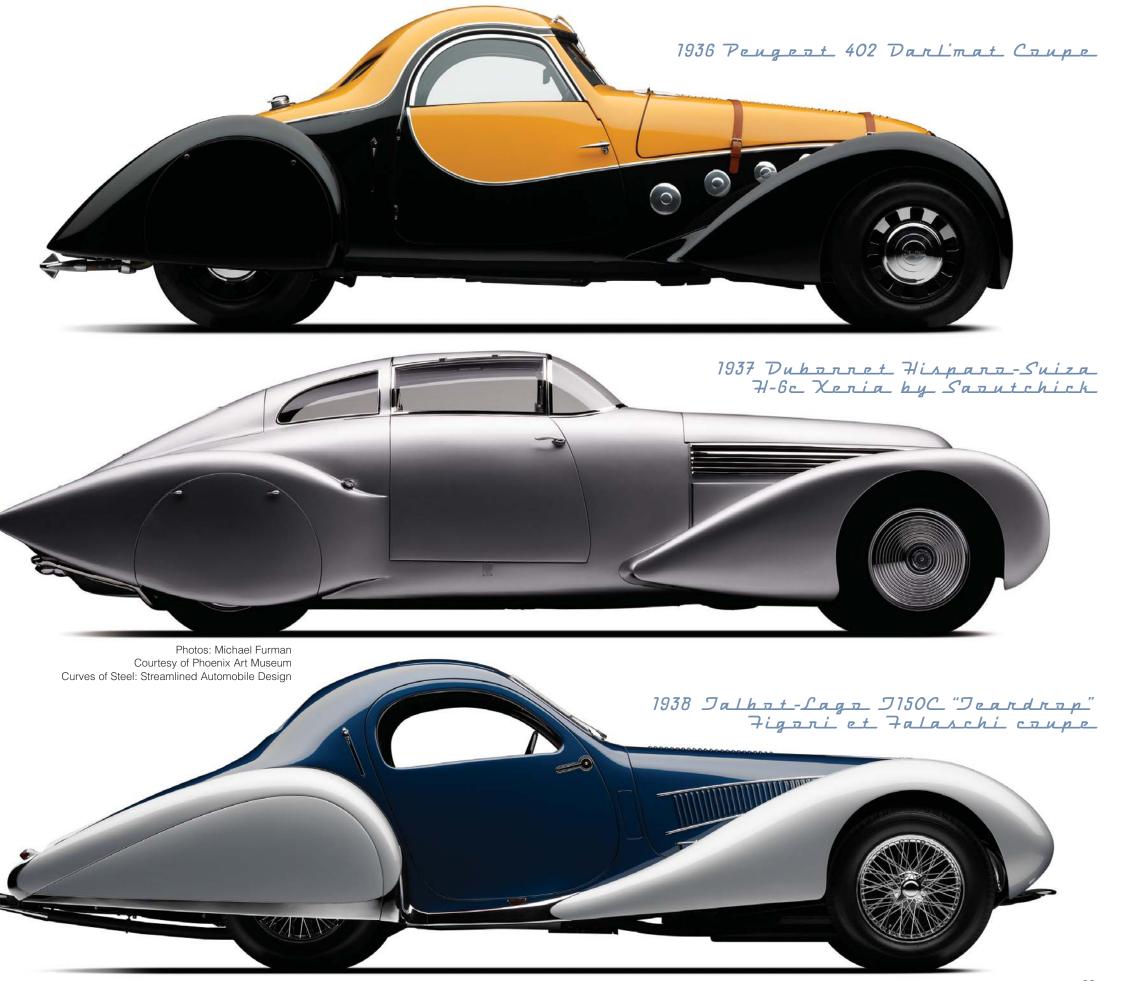
Combined Admission for Curves of Steel and Rembrandt and the Golden Age (April 1-May 6)

- Admission (same day only): \$20 adults; \$8 children ages 6-17; free for Museum members (some restrictions apply) and children under age 6. Purchasers must still choose date and entry time for Rembrandt and the Golden Age. Includes the Rembrandt audioguide and general admission to the Museum.
- Purchase Tickets: In person at the Museum, online at PhxArt.org, or by phone at (602) 307-2090 or (800) 452-0314.

General Admission & Hours

- Admission: \$10 adults; \$8 senior citizens (65+) and full-time students w/ID; \$4 children 6-17; and, free for Museum members and children under age 6. The Museum general admission is free to all on Tuesday evenings, 3-9pm. Some exhibitions have special admission fees. Hours: Tuesday, 10am-9pm; Wednesday-Sunday, 10am-5pm. Some exhibitions have special hours. The Museum is closed Mondays and major holidays. The Museum Store is open during Museum hours; Art Museum Café by Arcadia Farms is open 10am-5pm.
- For Phoenix Art Museum information, visit online at PhxArt.org, or call the 24-hour recorded information line at (602) 257-1222.

KEEP RIGHT >>



OUR VISIT

It's unfortunate that cameras aren't allowed at this exhibit, even at a media event (though we understand the various reasons why). The stunning photos here will whet your appetite for this show, but you really need to go in person, to see them all from every angle, including from the second level, where windows given an open view of much of this display. Whether elements of aerodynamic, style or whimsy, these vehicles contain surprises wherever you look.

There was quite a bit of discussion of relativity within our group, as we'd sometimes have to remind ourselves just how many decades ago some of these masterpieces were produced, considering they were just on the heels of the first Model T, or not far behind. Some were derived from aircraft design cues and theory, of course, but that's another industrial design field that was in its youth at the same time.

The show runs through June 3, so make a point of getting down there before it's too late. What it took to put this show together is remarkable, and all the more remarkable for having been done by our friends and neighbors at the Phoenix Art Museum (who also rounded up a lot of the highest caliber assistance available anywhere).

The Museum is open Wednesday through Sunday 10am-5pm and on Tuesdays from 10am-9pm (we went on a Tuesday night). The Museum is closed Mondays and major holidays. The Museum Store is open during Museum hours; Art Museum Café by Arcadia Farms is open 10am-5pm.

Exhibition admission is \$14 for adults, \$6 for children ages 6-17, and free for Museum members (some restrictions apply) and children under the age of 6. Tickets are not for timespecific entry, and are available for advance purchase online at PhxArt.org or by phone at (602) 307-2090 or (800) 452-0314. We encourage you to catch this show. You'll be wowed from the moment you walk in the door.



Photos: Michael Furman Courtesy of Phoenix Art Museum Curves of Steel: Streamlined Automobile Design



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DRIVING SKILLS: WRITTEN EXAM ASSISTANCE

New 40-minute driving video guarantees viewers pass the MVD written exam the first time

Passing

the Written

Step-by-Step Guide to Passing the Test!

Learn the Answers to the

100 Toughest Questions!

or many, reading a drivers manual is not enough to comprehend the rules of the road. That's why Powell Productions, an Emmy award-winning firm in Southern California, produced "Passing the Written DMV Test," a video-based learning tool that translates all the information found in the sometimes cumbersome Motor Vehicle Division handbook into an easy 40-minute program that guarantees viewers will pass the written exam the first time they take it, or their money back.

The program can eliminate the frustration that comes with reading

the driver's manual, which normally takes both teenagers and seniors several days to read. By incorporating audio, visual and verbal cues throughout the program, viewers learn the information found in the MVD's manual in half the time and retain it for much longer. Viewers can watch the main program for driving rules that are pertinent nationwide, and then click on their state to learn the driving regulations that are specific to their home state. This makes the program suitable for all 50 states and Washington DC. "There are several programs that help students understand the vehicle code. But in my 53 years in driver training, I believe this is the best product on the market," said George Hensel PhD, former president of Driving Schools of America.

Producer Charles Powell be-

 lieves the program is so comprehensive, he guarantees viewers who buy the video through his website www.passingthedmvtest.com will pass the test the first time they take it, or he will refund the cost of the video. Since being produced earlier this year, the video has sold 5,000 copies, yet despite its distribution, there have been no money-back requests to date, Powell adds. "The beauty of the DVD is that instead of reading the over 100 page driver's manual, you just watch a 40 minute video program and you are guaranteed to pass the test," Powell says. "Overall, the video makes passing the MVD test more achievable, less confusing and definitely less intimidating."

ENGLISH

SPANISH

The video, available in English or Spanish, can be downloaded through www.passingthedmvtest.com for \$6.95 or purchased on DVD for \$19.95. It is also available through Amazon.com or at large national retailers such as Target.

About Powell Productions: Since its inception in 1986, Powell Productions has specialized in producing videos for consumers and corporations to facilitate education and training. Corporate clients include Porsche, Pioneer Electronics, Pacific Bell, Vons and Safeway. In 2002, the company won an Emmy for its child-development production "Transitions Throughout a Lifespan," which was aired on KOCE, a public broadcasting channel.

Powell Productions launched its Digital Education division in 2006. The goal of the new division is to provide digital education videos for consumers that encourage learning in a fast, fun and friendly manner.



Audi Compact Performance SUV Concept

t the Shanghai Motor Show, Audi presented the Audi Cross Coupé quattro, intended to combine the design and dynamism of a compact premium sports car with the spaciousness and versatility of a four-seat sport utility vehicle. The rough terrain. Ceramic brake discs silhouette is typical Audi. The concept is painted in Liquid Silver, reminiscent of the sportiest models produced by the Ingolstadt brand. The proportions and large 20" wheels point clearly toward offroad potential. A new element is the fabric folding roof, for optimum headroom and fresh air. The hood is opened and closed electrically.

A transversely installed fourcylinder inline TDI diesel engine with common-rail fuel injection and piezo injectors is a completely new development. With power output of 204 bhp and 295 ft.-lbs. of torque, it gives sporty performance and surprising efficiency. The ultra-modern 2.0 TDI needs just 5.9 litres of diesel fuel per 100 km average. A diesel particulate

executes gearshifts in milliseconds.

Running gear features McPhersonstrut front and four-link rear suspension for agile handling with a high degree of stability. The running gear gives near-luxury-class handling and comfort on all types of road and in claim non-fading deceleration. 20" wheels give the car style and plenty of ground clearance.

An electronic drive select system has three configurations for the engine, gearbox, steering and adaptive shock absorbers: standard "dynamic" mode, a "sport" setting, and an "efficiency" program that modifies the engine map and shift points for fuel economy; it also deactivates energy-hungry components such as the air conditioning compressor.

The MMI control panel is operated by a touch pad and has dual-view technology, producing different images for the driver and front-seat passenger, visible only when viewed from a specific angle. This allows the driver to read data from the on-board computer while the front passenger watches a TV program, listening to the sound through headphones.



P ZERO THE HERO

Pirelli LAUNCHES A NEW TIRE FOR SUPERCARS aking its worldwide premiere on the track in Dubai, with a brand new tread pattern, futuristic compounds and an innovative structure, aking its worldwide premiere on the track in Duban, with a planta that it a planta is a new product, the fruit of 24 months of development and testing, protected by five patents, is "P ZERO THE HERO" from Pirelli. This new ultra-high-performance tire was developed for the hottest and most extreme supercars and directly derived from experience Pirelli has accumulated in a hundred years of competition (2007 marks Pirelli's motor sport centenary).

P Zero the Hero is protected by five exclusive patents. The brand new tread pattern, futuristic compounds and innovative structure are already making P Zero the Hero the tire chosen by the manufacturers of the most sporting and extreme cars. ■ The new P 2 - Ferrari Challenge -Zero has obtained 15 homologations for use as original equipment on the most recent and most prestigious supercars. It is already being fitted to the Ferrari 599 GTB Fiorano, Lamborghini Murcielago and Gallardo, Audi R8 and S8, Aston Martin DB9, Maserati Quattroporte, Jaguar XK, Mercedes AMG, and will shortly appear on the Alfa Romeo 8C Competizione and the hottest Porsche and BMW models. ■ The principal feature of P Zero the Hero is that it guarantees optimum performance in wet or dry conditions throughout the lifetime of the tire, while combining sports handling with comfort, with special nano-composites in the compounds of the tread and bead that guarantee a comfortable ride with sports performance. Thanks specifically to the tread compound; optimum performance is even provided during the first few 股件人 kilometers when the tire is still cold. The innovative tread pattern also permits the highest standards of grip in wet conditions and enhanced acoustic comfort, while the asymmetric profile ensures even wear with a consistent footprint at all speeds. ■ P Zero the Hero has been designed with respect for the environment, using compounds that contain no aromatic oils, anticipating by three full years the European directive regulating this issue. ■ Thanks to the Hy.Co (Hybrid Cord) system, the carcass allows deformation of the tire profile to be controlled through to the highest speeds (230mph), increasing durability of the tire, not simply in terms of outright mileage, but in the consistency of performance throughout its life. ■ Together with P Zero comes the return of the Pirelli Wheel. Pirelli is aiming to respond to the demands of the most sophisticated motorists, interested in both performance and styling, by reintroducing the Pirelli Wheel. Manufactured in ultralightweight aluminum alloy, the Pirelli 5P wheel features five spokes reproducing the company's elongated P logo. The new Pirelli Wheel, produced in collaboration with Antera, a market leader in its sector, will also be available fitted with P Zero.







2008 Ford Expedition
Funkmaster Flex Edition to
launch in fall 2007

Two more NYIAS Fords

wo new limited-edition vehicles developed with hip hop guru Funkmaster Flex and hot rodder Chip Foose joined the 2008 Ford Shelby GT500KR—the most powerful Mustang ever (see cover story, page 18)—at the 2007 New York International Auto Show.

Ford unveiled three new limited-edition models at the New York show—the Shelby GT500KR, the F-150 Foose Edition and the Ford Expedition Funkmaster Flex Edition. The trio of vehicles, including the most powerful pickup and most powerful Mustang ever from Ford, demonstrates how the company is leveraging key partnerships to create exciting new products.

"Marrying great Ford products like Mustang, F-150 and Expedition to strong partners like Shelby, Foose and Flex creates vehicles that are irresistible to customers who want to make the boldest statement they can," said Cisco Codina, group Vice President of North America Marketing, Sales and Service. "We are seeing more demand for special wheels and accessories and, of course, from-the-factory packages like the new Eddie Bauer Taurus X and Harley F-150s."

Ford research indicates that 62 percent of full-size pickup truck buyers purchase accessories for their vehicles, and 73 percent buy parts through their dealer. Truck buyers spend an average of \$1700 in accessories. Roughly 30 percent of crossover utility vehicle buyers purchase accessories, and they are more likely to make accessory purchases at the dealership.

Ford's overall customization business grew 50 percent in 2006 and could potentially double its business again in the next two years, driven by factory-customized products and a hard focus on wheels, appearance packages and electronics such as DVD players and navigation systems.

"This is really a fashion industry," says Peter MacGillivray, vice president, Marketing and Communications for the Specialty Equipment Market Association (SEMA). "Consumers want to put their personal stamps on everything they buy—from personalized rings to build-ateddy-bear—and everybody knows that 'you are what you drive.'"



3.0

Coming to dealer showrooms this fall, the 2008 Ford Expedition Funkmaster Flex Edition turns the hot Expedition concept vehicle created by hip hop DJ Funkmaster Flex into a limited-production, short wheelbase SUV.

The Expedition FMF will sport its own two-tone Colorado Red-and-Black paint scheme with Orange pinstriping and special chrome badging, a custom front fascia with integrated fog lamps, side skirts, rear fascia and 20-inch chrome-clad aluminum wheels.

Inside, a matching Colorado Red instrument panel, console bezel, shifter and switch bezels blend with four leather captains' chairs with red stitching, FMF red logo headrests, and a red-stitched steering wheel. Rounding out the package is an exclusive numbered dash plaque signed by Funkmaster Flex and SIRIUS satellite Radio.

The Expedition FMF Edition also sports a 340-watt Audiophile™ Sound System, MP3 player audio jack, Powerfold™ thirdrow seating, heated and cooled front seats and an optional navigation system, power liftgate and rear-seat DVD entertainment system.



Hitting the streets in early 2008 is one tough boulevard cruiser—the 2008 Ford F-150 Foose Edition styled by custom street rod designer Chip Foose.

Lowered, but looking even more hunkered down thanks to its big 22-inch wheels, the special Foose F-150 sports bold racing stripes that start at the edge of the hood and then thin out over the front fenders to run the length of the vehicle only to widen again at the tailgate.

Planned for an initial run of 500 units, Foose gave the F-150 a new grille with horizontal bars as well as rocker moldings to further help lower the vehicle visually while the cab is accented by Chip Foose signature headrests and floor mats, a unique leather-wrapped center console and a Foose-designed serialization plate showing the VIN and build-sequence numbers.

Powering the Foose Edition F-150 is a 450-horsepower supercharged Triton V8 that puts out 500 foot-pounds of torque at 4,000 rpm, making it the most powerful Ford F-150 since the 2004 Ford SVT Lightning. When it hits the streets, it will be the most powerful half-ton pickup on the market.





THE INSIDE TRACK: BRIEFS & RIMORS

Mitsubishi confirmed it will offer clean diesel engines in its Lancer sedan and Outlander crossover by 2010. A year ago Mitsubishi said they would offer the diesels in Europe by the same date. The engines will be turbocharged in-line four-cylinder models developed by Mitsubishi Heavy Industries. There is plan to bring an electric car to the US, too, but no timeline was announced.



Kia is making up some great new words to describe their new Rondo crossover in their new advertising campaign.. For example, the Rondo has "Giddyupidness"—more power or horsepower. It also has "Huge cabinocity" or interior room. The "safety all overness" is airbags,

electronic stability control and antilock brakes. The "MPG happiness" is good fuel economy. "Precision steerology" is another way of saying it handles well.

Chrysler is considering the production of diesel-powered minivans for the North American market. Chrysler's sister company, Mercedes-Benz, is developing a diesel engine that will be more fuel-efficient, cleaner and more powerful, especially when using the new low-sulphur diesel

fuels that went on sale in the US late last year. Diesel versions of the Jeep Grand Cherokee are scheduled to go on sale in the US in March. MG is still planning to sell sports cars in North America next year. According Automotive News, MG spokesman, Kim Custer said two preproduction MGTF cars were built in January and production should start in March on cars to be sold in Europe and Asia. MG is owned by Nanjing Automotive Group Corp., which brought the brand when it

collapsed in 2005. Nanjing plans to build the

cars in two plants—one in China and the other in Birmingham, England.

With Porsche now owning nearly 30 percent of **Volkswagen** stock there is a rumor that Porsche's ultimate goal is to get VW to separate Audi from the group so that Porsche can buy the luxury brand.

General Motors is rumored to be working on a new overhead cam V-8 engine to replace the current Northstar V-8 that is used in the Cadillacs. Motor Trend magazine said the Northstar engine is physically too big and costly and is limited to only 5.2-liters. The magazine believes the secret replacement engine could be a



big 6.0-liter to enable it to compete with the big-bore Mercedes-Benz V-8 engines. The new engine is expected to have GM's latest variable valve timing technology.



six-speed manual transmission on the dramatic high-performance M5 sedan. In 2006, the 500-horsepower super sedan was only available with the fast shifting seven-speed SMG (sequential manual gearbox). But as fast shifting as the SMG was, it had a long list of critics that didn't care for its intimidating and often unpredictable shift patterns that often made the driver look like a novice. The six-speed manual may be slow and less efficient, but at least the driver will appear to be in control. Thank you, BMW.

Audi has confirmed it will build a smaller (than the Q7) crossover in 2008 as a 2009 model. The name will be Q5 and it will bring into production some the features of the Roadjet Concept like

"dynamic steering" which adjusts the steering ratios as a function of the vehicle speed, "driver select" that allows the driver to select from three distinctive performance and handling setups and a car-to-car communications system. The Q5 will have engine choices similar to those in the A4 and A6 Audis.

Ford says the next generation F-150 will have a six-speed automatic transmission. They did not indicate if the trans-

mission would be standard equipment or an option. The GMC Sierra, Chevrolet Silverado and Toyota Tundra already have a six-speed automatic. **Dodge** showed a rear-wheel drive roadster concept called Demon at the Geneva Auto Show in March. Chrysler group officials refer to it as a compact, affordable "roadster with an attitude".



Design features include the signature Dodge cross hair grill, 19-inch brushed aluminum wheels and storage space behind the seats.

Volkswagen will get a low-roofed wagon version of the Passat in 2009. With its short windows, rear sloping roofline and wider stance, the upscale VW wagon has a look similar to the Dodge Magnum wagon. Engines will be the 200-hp 2.0-liter, four-cylinder turbo and a 3.6-liter V-6 with up to 300 hp. A new seven-speed double clutch transmission is also likely.

The **BMW** 1 Series will be imported to the US starting in 2008. Plans call for a coupe and convertible version of the

subcompact to be offered in the US, while Europe will also get a three-door and five-door hatchback version. No launch dates, specifications or pricing have been announced.

According to insiders, **Audi** is developing a small sports car to compete with the Porsche Boxster. Bearing the name R4, the mid-engine sports car should arrive in showrooms by 2010. This is an interesting move considering Porsche is one of the

largest stockholders of Volkswagen/Audi and there have been other rumors that Porsche had its eyes on spinning off the Audi brand from Volkswagen so they (Porsche) could buy Audi. **Suzuki** will go back into the mid-size sedan business by 2009. The last mid-size Suzuki was the Verona, which was built by Daewoo starting in 2003. The car never reached sales projections, so it was

discontinued after the 2006 model year. No details were released about the new model other than it will likely have a V-6 engine and five-speed automatic transmission.

According to industry sources, German transmission builder, **ZF Friedrichshafen** is developing an eight-speed automatic transmission for use in the next generation BMW 7

Series. ZF started the escalation of transmission speeds in 2001 when it developed the world's first six-speed

automatic transmission for the BMW 7 Series. Mercedes-Benz responded with a sevenspeed automatic, and then Lexus upped the ante with an eight-speed last year.

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to motorcycles, ATVs and golf carts. HomeLink can be programmed to control garage doors, electric gates, home



lighting, security systems and nearly all radio-frequency controlled devices. The three-button system sells for \$149.95. For more information go to www.OpenDoors AndMore.com.

If you're thinking the **Smart** might be your next car, it's now possible to reserve a 2008 ForTwo for \$99 later this spring. Smart President David Schembri says, the fee doesn't guarantee rights to by the Smart's first US bound car, but it will give the company a better idea of packages and colors popular by potential buyers. The program is designed for Smart enthusiasts, so brokers and dealers are excluded from participating. For more information and to register as a Smart "Insider," go to their website at www.smartusa.com.

Porsche's next generation 911 engines will be about 10 percent more powerful and 4 to 5 percent more fuel efficient. The engines will still be the horizontally-opposed cylinders (boxer) configuration but will get a new directinjection system. The lighter-weight



engines will have an all-new block along with lighter components like the alternator, water pump and exhaust system. The Tiptronic automatic transmission will be replaced by a new dual-clutch automatic shifting manual transmission.

In an effort to improve the styling, quality, fit and finish of **Chrysler** vehicles, the group has created a separate design studio. Critics have complained about the textures, tones and unattractive plastic trim on past vehicles, so Chrysler will be attempting to change that with a new dedicated group of about 25 working out of Chrysler's Auburn Hills, Mich. Headquarters. Changes will start appearing on 2011 model Chrysler, Dodge and Jeep vehicles.

Briefs & Rumors is a summary of auto news from industry sources, trade journals and consumer magazines compiled for *Arizona Driver Magazine* by **BILL & BARBARA SCHAFFER** of *Auto Digest*.

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UPCOMING FEATURES

Kia Rondo and www.kiamatch.com





It's taken just a few years for the Korean carmakers to reach mainstream levels in the US marketplace, and Kia's lineup and marketing—show they're ready to match your desires.

Gadget Guide





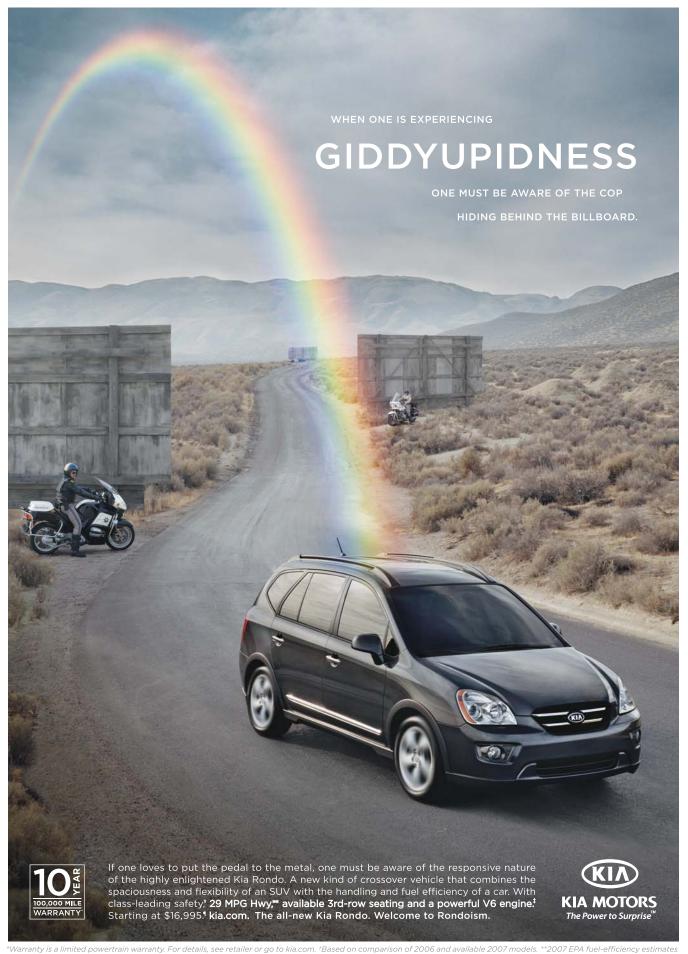
We're rounding up a good handful of must-have electronic (or related) items you can pick up tomorrow for any vehicle, including audio, navigational and tricked-out safety gear.

Buick Riviera Concept





Buick is big in China. Revealed at the 2007 Shanghai Auto Show, this Chinese-designed concept coupe displays GM's new global design direction and brings back a heritage name.



warranty is a limited powertrain warranty. For details, see retailer or go to kia.com. Based on comparison or 2006 and available 2007 models. "2007 EPA rule-efficiency estimates are 21 MPG/city and 29 MPG/hwy for 4-cylinder. Actual mileage may vary. ‡Available. MSRP includes freight; excludes taxes, title, license, options and retailer charges. EX model shown with optional features, which cost extra. Actual prices set by retailer.

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Chassis number #5096 is the ninth-from-last Miura built. #5096 has spent only three of its 28-year life on the road having only clocked 5200 documented KM. Most of its life has been spent in various warehouses and garages around the world. It was the very last Production # supplied to Lamborghini Great Britain, ordered new in left hand drive by Lebanese trader Kamal (for temporary use in England and subsequent exportation to Lebanon). In late 1973, #5096 was exported to Beirut, Lebanon, but was subsequently exported again this time to the United Arab Emirates, to escape the constant shelling of the Beirut war. It was imported to the U.S. in 1983 and was stored for 15 years until it underwent a two year concourse restoration by noted expert Gary Bobileff. This is very likely the lowest mileage Mura SV in existence and is truly one of finest examples.



1970 FERRARI 365 GT 2+2



1965 SHELBY GT350 "R" MODEL



1969 LAMBORGHINI ISLERO

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