

Thursday, February 20, 2025

# AUTOMOBILES



A blue and white Ferrari 166 F1 Formula 1 car, number 16, displayed in a museum. The car features a large white front wing with the number 16, a blue body with white accents, and a visible engine and chassis. A red Ferrari prancing horse logo is on the side. The car is shown from a front-three-quarter view.



The event will showcase some of motorsport's most iconic machinery, including multiple examples of the legendary Lola T70, the legendary Porsche 911 RSR in various specifications, and the thundering Chevrolet



The Lusail Classic will serve as a perfect complement to the main Qatar 1812 KM event, bridging the past and present of endurance racing. Spectators will have the opportunity to see these historic vehicles up close during open paddock sessions and witness the raw power and sound that defined motorsport's most acclaimed era.

The approximately 10-hour race will showcase an extraordinary lineup of motorsport talent, including Valentino Rossi and Kevin Magnussen, alongside the highly anticipated premiere of Aston Martin's Valkyrie program, as competitors battle from daylight into the dramatic backdrop of Lusail's illuminated circuit.

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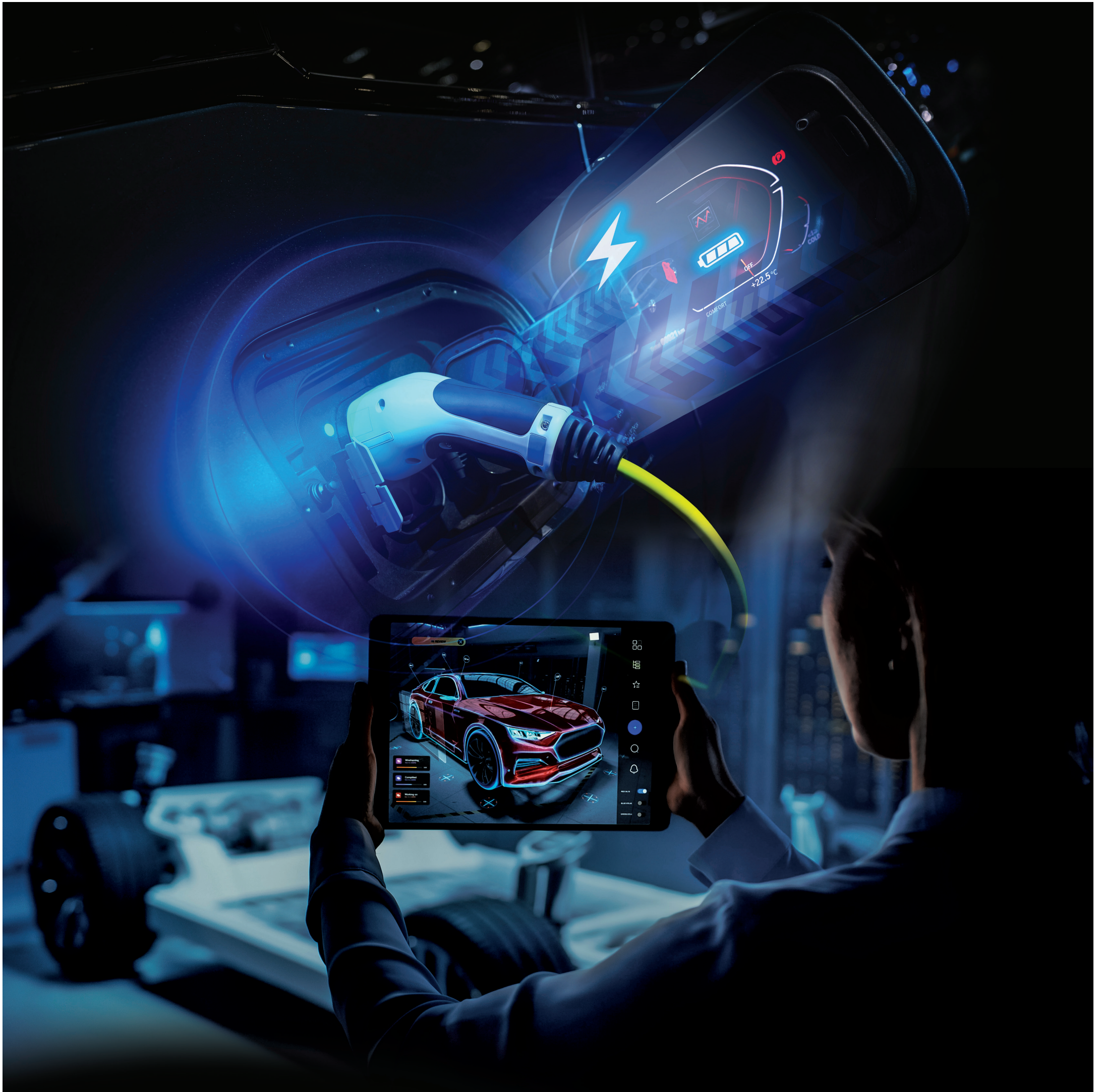
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# The future of global auto industry

## Key trends shaping the sector in 2025 and beyond

The global automobile industry is undergoing a transformative shift, driven by technological advancements, regulatory changes, and evolving consumer demands. As we move into 2025 and beyond, the industry is poised to embrace innovations that will redefine transportation, mobility, and sustainability. Here are the key trends shaping the future of the global auto sector.

The transition from internal combustion engines (ICEs) to electric vehicles (EVs) is accelerating at an unprecedented rate. Governments worldwide are pushing for stricter emissions regulations, leading automakers to invest heavily in EV production. Major car manufacturers such as Tesla, Volkswagen, and Toyota are expected to introduce a wider range of affordable and high-performance electric cars. Key developments in this area include the expansion of EV charging infrastructure to support growing adoption, advancements in battery technology leading to longer ranges and faster charging times, declining battery costs making EVs more affordable for the mass market, and governments offering incentives and subsidies to promote EV adoption.

Self-driving technology is making strides, with companies like Waymo, Tesla, and General Motors leading the charge in autonomous vehicle (AV)

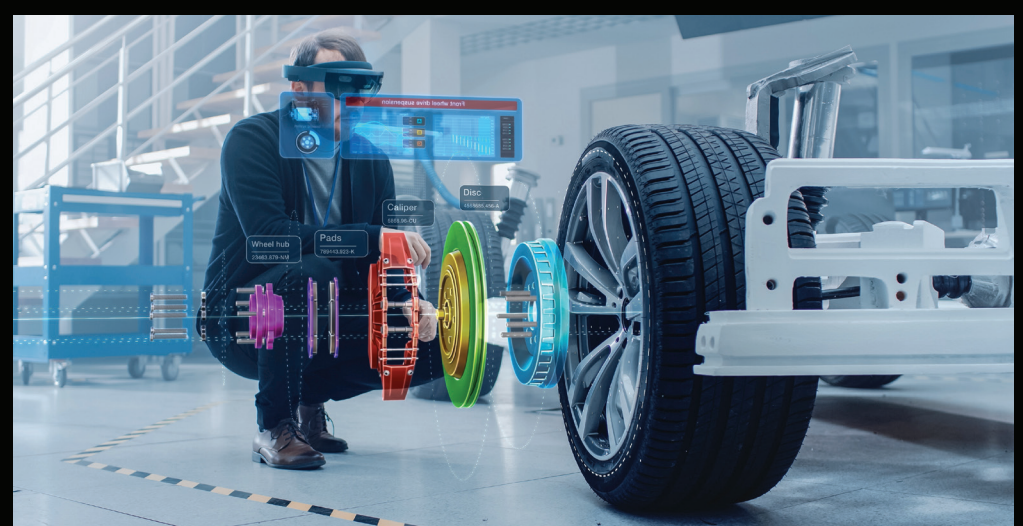


development. We can expect further testing and potential commercial applications of Level 3 and Level 4 autonomy, where vehicles can handle most driving tasks without human intervention. Key developments in this area include the integration of AI and machine learning to improve autonomous navigation, vehicle-to-everything (V2X) communication enhancing road safety and traffic efficiency, and regulatory progress defining safety standards and liability frameworks for AVs.

Environmental concerns are pushing automakers to adopt greener manufacturing practices. Beyond EVs, sustainability efforts include the use of recycled materials, carbon-neutral production facilities, and energy-efficient supply chains. Key developments in this area include automakers committing to carbon neutrality goals, increased use of lightweight materials and biodegradable components in car production, and the development of hydrogen fuel cell technology as an alternative to battery-electric vehicles.

Urbanization and shifting consumer preferences are reshaping how people access transportation. The traditional car ownership model is evolving into a shared, subscription-based ecosystem. Key developments in this area include the growth of car-sharing and ride-hailing platforms, the rise of subscription services offering flexible, all-inclusive vehicle access without long-term commitments, and the expansion of micro-mobility solutions like e-scooters and electric bikes for urban commuting.

The way consumers buy cars is changing. Online car sales and virtual showrooms are becoming more common, reducing the need for traditional dealerships. Key developments in this area include virtual reality (VR) and augmented reality (AR) used for immersive car-buying experiences, AI-driven customer service and personalized



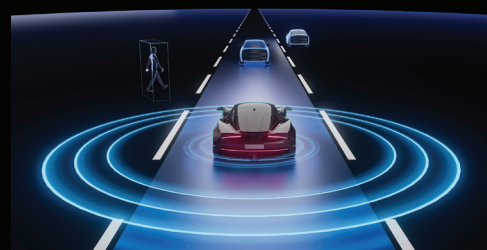
recommendations, and direct-to-consumer sales models gaining traction, led by companies like Tesla and Rivian.

Enhanced safety features are becoming a priority as automakers integrate more advanced driver-assistance systems (ADAS). Key developments in this area include AI-powered predictive safety systems preventing accidents before they occur, adaptive cruise control, lane-keeping assist, and automatic emergency braking becoming standard features, and real-time vehicle health

monitoring improving maintenance and longevity.

The expansion of 5G networks is set to revolutionize vehicle connectivity, improving navigation, entertainment, and overall driving experiences. Key developments in this area include faster and more reliable real-time data transmission for connected cars, over-the-air (OTA) software updates enhancing vehicle performance and security, and integration of smart traffic systems to reduce congestion and improve road efficiency.

The global auto industry is at a crossroads, with innovation, sustainability, and digital transformation guiding its evolution. As automakers, technology companies, and governments collaborate to shape the future of transportation, consumers will benefit from safer, smarter, and more efficient mobility solutions. The automotive sector will continue its rapid transformation, redefining the way we travel and interact with vehicles.





# ALL NEW 2025 MAZDA CX-60 MHEV

## NEW SKYACTIV PLATFORM DELIVERS EXCEPTIONAL DRIVING PLEASURE

The all-new Mazda CX-60, featuring a 3.3-litre inline 6-cylinder MHEV, has been introduced by National Car Company (NCC), the sole agent for Mazda vehicles in Qatar. This launch marks the celebration of 50 years of NCC's partnership in excellence with Mazda Corporation, Japan.

Now available at the state-of-the-art Mazda showroom in Al Nasr, the model has generated significant excitement among SUV buyers in Qatar, leading to exceptional sales momentum. The new model, which features a unique front-engine, rear-wheel-drive (FR) layout, marks the debut of the longitudinal version of Mazda's Skyactiv Multi-Solution Scalable Architecture platform. Besides the newly introduced 3.3 Litre inline 6-cylinder MHEV, 3 variants of Mazda CX-60 are available for sales in Qatar, equipped with a high performance 2.5-litre Skyactiv-G engine and 8 speed automatic transmission, all equipped with a whole range of new driver-centric technologies. All the models offer low emissions and excellent fuel efficiency with high levels of torque.



### CRAFTED IN JAPAN

The all-new Mazda CX-60 represents everything that Mazda has built into its DNA over the last one hundred years: from the great design, both inside and out, to Japanese craftsmanship and new technologies, all focused on creating a fantastic experience for the driver and co-passengers.

### Less is More

There is a pure grace to be found in the simplicity and sparse beauty of a traditional Japanese garden which exemplifies the design principle of "less is more." This principle was deftly applied to the new Mazda CX-60, imbuing the car with a subtle yet strong appearance. The car is in harmony with the surrounding nature, a value that is important in Japanese life, rather than attempting to dominate it as some of the contemporary SUVs often do.

### Human Centricity

While getting behind the steering wheel, comfortable seating position is extremely important



to enjoy the pleasure of driving. The optimum positioning of the driver has always been a key component in any Mazda vehicle's development. However, Mazda researchers recently discovered that less than half of drivers position themselves correctly for comfort, safety and control. The new Mazda CX-60 places strong emphasis on addressing this aspect.

### A Richer Life

Mazda believes that a car can truly enrich your life and has designed the interior of the new Mazda CX-60 for this very purpose. It is not just a stylish and comfortable place to enjoy every journey, but a mindful zone with a design that takes inspiration from nature and Japan's rich culture. Infused with modern techniques and principles, the design ensures a perfect balance of functionality and beauty.

### New Rhodium White Colour Exemplifies Simple Elegance

Mazda designers went to great lengths to create a new special paint called Rhodium White, which was crafted specifically to highlight the beauty of the CX-60's design. As light flows over the bodywork, the surrounding environment is reflected in its surfaces creating a sensation of the car being in harmony with the world. The vehicle does not simply look white, the light reflects onto it to give it a metallic look shows the contrasting light and shadow,"

### ALL-NEW SCALABLE PLATFORM WITH LONGITUDINAL ENGINE:

Engineered to give exhilarating responses that are also friendly to the environment, CX-60's front-engine rear-wheel-drive (FR) layout is the debut of the longitudinal version of our Skyactiv Multi-Solution Scalable Architecture platform. This all-new platform accommodates both four- and six-cylinder longitudinal engines of any capacity, as well as diverse electrification technologies such as our M Hybrid mild hybrid system. Designed in line with

unique Skyactiv-Vehicle Architecture concept, the CX-60 harmonizes with the human body's natural ability to maintain balance while in motion, ensuring you remain in full control of the enhanced power of the newly developed engine. This allows you to maintain a relaxed, well-balanced posture while experiencing the exhilaration of managing G-forces in various driving situations.

### i-ACTIV AWD:

CX-60's longitudinal powertrain layout allows i-Activ AWD to give you the best of both worlds: the neutral cornering characteristics of a rear-wheel-drive system combined with the reassuring stability of all-wheel drive. This full-time AWD system primarily delivers power to the rear wheels for the superior handling associated with the sports car's classic FR configuration, yet continuously monitors driving conditions to dynamically direct power to any of the four wheels as necessary. The result is a new level of high-speed, straight-line stability on highways, inspiring handling on winding roads, and reliably stable traction on snow or slippery surfaces.

### KINEMATIC POSTURE CONTROL (KPC)

At the front, a double-wishbone suspension system, optimally designed to take advantage of the extra space afforded by the longitudinal powertrain layout. At the rear, a multi-link setup. The newly developed Kinematic Posture Control (KPC) is introduced to leverage the inherent strengths of this suspension system to achieve smoother body movement in everyday driving and suppress body roll during high-speed cornering.

### MAZDA PROACTIVE SAFETY

True driving pleasure requires more than just vehicle response and performance. It also demands the peace of mind that comes with feeling safe, secure and in control. In line with our human-centered design philosophy, Mazda Proactive Safety is engineered around you, the driver, to support you in anticipating and assessing your driving environment moment by moment, helping you to recognize and

avoid danger beforehand rather than react after a hazardous situation has developed. i-Activsense with its full spectrum of remote sensing devices provides continuous 360° monitoring around the vehicle and alerts you to potential threats. And when necessary, its advanced autonomous control/brake systems assist in staying out of harm's way.

### Qi wireless charger\*

The center console tray includes a Qi wireless charger to enable charging of compatible smartphones and other devices placed on it when the engine is running.



### Panoramic Sunroof

The large panoramic sunroof provides an expansive top view and brings light to the entire cabin, delivering an open, airy feel to passengers in the front and rear alike.

### Handsfree Tailgate Function

With the advanced key in your pocket or bag, a quick kick beneath the sensor located under the rear bumper lets you open and close the rear power liftgate, a convenient feature when your hands are full or when you don't want to touch the car because it is wet or muddy.

### ADVANCED ACOUSTIC ENVIRONMENT

A supremely quiet cabin is the essential backdrop to top quality in-car audio. CX-60's rigid body structure helps achieve that, suppressing intrusion of unwanted noise and vibration through extensive sound insulation and NVH measures. With this as its foundation, the unique Mazda Harmonic Acoustics audio initiative creates a breathtaking audio experience for everybody in the vehicle. And Master Sound Revive Noise Reduction (MSR NR), making its debut in a car audio system, does exactly what the name says by drastically reducing the low-level noise that can muddy sound to bring you a high-quality audio experience closer to the artist's intention. In total, CX-60 provides unprecedented listening pleasure to everybody no matter where they are seated.

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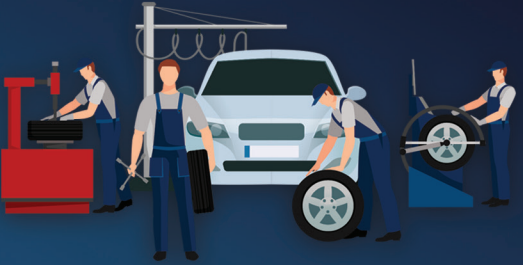
# TIRE CARE

## Rotation, Pressure, and Replacement

Proper tire maintenance is essential for vehicle safety, fuel efficiency, and overall performance. Neglecting tire care can lead to uneven wear, reduced traction, and even dangerous blowouts. Understanding how to maintain your tires through regular rotation, proper inflation, and timely replacement can help you get the most out of them while ensuring a safe driving experience.

Regular tire maintenance is a simple yet crucial part of vehicle care that enhances safety, improves performance, and saves money in the long run. By following proper rotation schedules, maintaining correct tire pressure, and replacing

worn-out tires on time, you can extend the life of your tires and enjoy a smoother, safer drive. Keeping an eye on these tire care essentials will help ensure optimal performance and prevent unexpected issues on the road.



### TIRE ROTATION

#### Ensuring Even Wear

Tire rotation is the process of periodically changing the position of each tire on your vehicle. This practice helps distribute wear evenly across all tires, prolonging their lifespan and maintaining balanced performance.

Manufacturers generally recommend rotating tires every 5,000 to 8,000 miles, though it's best to consult your vehicle's owner manual for specific guidelines. The rotation pattern depends on the type of vehicle and drivetrain:

- **Front-Wheel Drive (FWD):** Front tires wear out faster due to steering and power distribution. A common pattern is to move the front tires to the back and the rear tires to the front diagonally.
- **Rear-Wheel Drive (RWD):** Since the rear tires receive more power, they tend to wear faster. The front tires are typically moved straight to the rear, while the rear tires are moved forward diagonally.
- **All-Wheel Drive (AWD) and Four-Wheel Drive (4WD):** These vehicles require an even distribution of wear to maintain stability. A common practice is a crisscross pattern to ensure uniform wear.

Skipping tire rotation can lead to uneven tread wear, reduced traction, and shorter tire lifespan. Regular rotations not only extend tire durability but also improve handling and ride comfort.



### TIRE PRESSURE

#### The Key to Safety and Performance

Maintaining the correct tire pressure is critical for fuel efficiency, safety, and tire longevity. Underinflated tires increase rolling resistance, causing excess heat buildup and premature wear, while overinflated tires can lead to reduced traction and a harsher ride.

To ensure optimal pressure:

- Check tire pressure at least once a month using a reliable pressure gauge.
- Always measure pressure when tires are cold, as heat from driving can give an inaccurate reading.
- Refer to your vehicle's manual or the sticker inside the driver's door for the recommended PSI (pounds per square inch).
- Adjust pressure accordingly, especially before long trips or when carrying heavy loads.

Proper tire inflation enhances fuel economy, improves braking performance, and reduces the risk of blowouts. Regular checks can prevent unnecessary wear and keep your vehicle running smoothly.



### TIRE REPLACEMENT

No matter how well you maintain your tires, they will eventually need to be replaced. Worn-out tires can compromise vehicle control, leading to dangerous driving conditions. Here are key signs that indicate it's time for new tires:



- **Tread Depth:** A simple way to check tread wear is the "penny test." Insert a penny into the tread with Lincoln's head down. If you can see the top of his head, the tread is too shallow, and the tire needs replacing.
- **Visible Damage:** Look for cracks, bulges, or cuts on the tire sidewalls, which can indicate structural weakness and increase the risk of blowouts.
- **Frequent Loss of Air Pressure:** If a tire constantly loses air despite proper inflation, it may have an internal issue or an unnoticed puncture.
- **Age of the Tire:** Even if the tread appears fine, tires should generally be replaced every six to ten years, as rubber degrades over time.

When replacing tires, always opt for high-quality, manufacturer-recommended models. If replacing only two tires, place the new ones on the rear axle to maintain stability and reduce the risk of skidding in wet conditions.

## Understanding warning lights on your dashboard

Warning Light	Engine Warning Light	Oil Pressure Warning Light	Battery Alert Light	Low Fuel Indicator Light	BRAKE Brake Warning Light	Anti-lock Braking System (ABS) Warning Light
Tire Pressure Warning Light	Engine Temperature Warning Light	Power Steering malfunction Warning Light	Auto Transmission Warning Light	AWD Warning Light	Airbag/Front Seat Belt Pretensioner System Warning Light	Seat Belt Reminder Light

Modern vehicles are equipped with a variety of dashboard warning lights designed to alert drivers to potential issues. Understanding these warning indicators is crucial for maintaining vehicle performance, safety, and preventing costly repairs. Below is a breakdown of the most common dashboard warning lights, what they mean, and how to respond to them.

#### 1. Check engine light

The check engine light, often depicted as an engine icon, can indicate a range of issues from minor to severe. It may be triggered by a loose gas cap, faulty oxygen sensor, or more serious engine problems. If the light is steady, schedule a diagnostic check soon. If it's flashing, it signals an urgent problem that requires immediate attention.

#### 2. Battery warning light

This light, shaped like a battery, signifies issues with the charging system. Possible causes include a failing alternator, corroded battery terminals, or an old battery nearing the end of its lifespan. If this light appears, avoid using electrical accessories and have your battery and alternator checked as soon as possible.

#### 3. Oil pressure warning light

An oil can symbol indicates low oil pressure, which can lead to severe engine damage if ignored. Low oil levels, a clogged oil filter, or an oil pump failure could be the cause. If this light appears, stop driving immediately, check the oil level, and seek professional assistance.

#### 4. Tire pressure warning light

This exclamation mark inside a horseshoe-shaped icon warns of low tire pressure. Driving with underinflated tires can reduce fuel efficiency and compromise safety. Check and adjust tire pressure to the recommended levels and inspect for punctures.

#### 5. Brake system warning light

A red exclamation mark inside a circle or the word "BRAKE" signals issues with the braking

system. Low brake fluid, worn-out brake pads, or a malfunctioning ABS system could be the culprit. If the light remains on after releasing the parking brake, get the brakes inspected immediately.

#### 6. Coolant temperature warning light

A thermometer icon over wavy lines indicates the engine is overheating. Low coolant levels, a malfunctioning thermostat, or a broken radiator fan may be responsible. If this light comes on, pull over, allow the engine to cool, and check the coolant level. Avoid driving if overheating persists.

#### 7. Airbag warning light

This light, often depicted as a person with an airbag deployed, signifies a fault in the airbag system. This could mean airbags might not deploy in an accident. Have the system checked by a professional to ensure safety.

#### 8. ABS warning light

The ABS (Anti-lock Braking System) light indicates an issue with the ABS, which helps maintain control during emergency braking. While the car's regular brakes may still work, the ABS function could be impaired, requiring an inspection.

#### 9. Fuel warning light

A small gas pump icon warns that fuel is low. Refill the tank soon to avoid running out of gas. Running on low fuel frequently can damage the fuel pump.

#### 10. Transmission temperature warning light

This gear-shaped symbol with a thermometer warns of an overheated transmission. Causes include low transmission fluid or extreme driving conditions. Allow the vehicle to cool and check transmission fluid levels.

Dashboard warning lights serve as an essential communication tool between the driver and the vehicle. Ignoring these signals can lead to costly repairs and unsafe driving conditions. Understanding their meanings and responding appropriately ensures vehicle longevity and on-road safety. Always consult your owner's manual for specific guidance on your vehicle's warning indicators.

## Brake maintenance and safety

Your vehicle's braking system is one of its most critical safety components. Proper maintenance ensures that your brakes function efficiently, preventing accidents and costly repairs. Understanding signs of brake wear, knowing when to replace brake pads, and following best practices for brake maintenance can significantly improve your vehicle's safety and performance.



### Signs of brake wear

Recognizing the early warning signs of brake wear can help prevent more severe damage and ensure your safety on the road. Here are some common indicators that your brakes may need attention:

- **Squeaking or Squealing Sounds:** High-pitched noises when braking are often caused by worn brake pads. Many modern brake pads include built-in wear indicators that produce this sound when the pads need replacing.
- **Grinding Noise:** A grinding sound when braking can indicate that the brake pads are completely worn down, allowing metal components to rub against each other. This can cause severe damage to the brake rotors and should be addressed immediately.
- **Vibrations or Pulsations:** If you feel vibrations through the brake pedal or steering wheel when braking, it may indicate warped brake rotors. This can reduce braking efficiency and should be inspected by a professional.
- **Soft or Spongy Brake Pedal:** If the brake pedal feels unusually soft or sinks to the floor when pressed, there may be air in the brake lines or a fluid leak. This requires immediate attention.
- **Car Pulling to One Side:** If your car veers to one side when braking, it could be due to uneven brake pad wear, a stuck caliper, or issues with the brake fluid.



### When to replace brake pads

Brake pads don't last forever, and their lifespan depends on driving habits, road conditions, and

vehicle type. As a general guideline, brake pads should be inspected every 10,000 to 15,000 miles and replaced every 25,000 to 70,000 miles. Here are some key factors to consider:

- **Tread Thickness:** If the brake pads are less than 3mm thick, it's time to replace them.
- **Driving Conditions:** Frequent stop-and-go traffic, hilly terrain, or aggressive braking can wear out brake pads more quickly.
- **Dashboard Warning Light:** Some modern vehicles have brake pad wear sensors that trigger a warning light when pads need replacement.

### Brake system maintenance tips

Regular maintenance is essential to keeping your braking system in peak condition. Follow these best practices to ensure optimal performance:

- **Check Brake Fluid Regularly:** Brake fluid is crucial for transmitting force in the braking system. Low or contaminated fluid can cause braking issues. Check the brake fluid reservoir every few months and replace the fluid every two to three years.
- **Inspect Brake Pads and Rotors:** Routine inspections can catch wear and tear before it becomes a major issue. If you notice deep grooves or scoring on the rotors, they may need to be resurfaced or replaced.
- **Bleed the Brakes:** Air in the brake lines can lead to a spongy brake pedal. Bleeding the brakes removes trapped air and ensures proper hydraulic pressure.
- **Keep an Eye on the Brake Lines:** Inspect the brake lines and hoses for leaks or cracks that could lead to fluid loss and reduced braking performance.
- **Avoid Overloading Your Vehicle:** Carrying excessive weight puts additional strain on the braking system and can lead to faster wear.

Proper brake maintenance is essential for ensuring a safe and reliable driving experience. By recognizing signs of brake wear, replacing pads when necessary, and performing regular maintenance, you can enhance the performance and longevity of your braking system. Make brake checks a part of your routine vehicle maintenance, and don't ignore any warning signs to ensure your safety on the road.



# The Isuzu D-Max Modified Pickup Truck

## Off-Road Performance Redefined



In the world of off-road adventures, few names command respect quite like the Isuzu D-Max. Renowned for its rugged durability, reliability, and sheer toughness, this pickup truck has long been a staple for drivers who demand power and resilience. But now, Isuzu has taken things a step further with its Off-Road Performance Modified version, designed specifically for tackling the most challenging dunes and terrains with ease.

This next-generation modified truck isn't just about aesthetics; it is about delivering the highest level of performance, safety, and comfort in the off-road segment. From its reinforced suspension system to its built-in digital tire inflation system, every detail is meticulously engineered to ensure that no landscape is too tough to conquer.



### Built for the toughest terrains

The Off-Road Performance Modified Isuzu D-Max has been designed to excel where conventional trucks fall short. With its off-road tires and 1.5-inch lift kit, this vehicle is more than capable of handling rocky landscapes, loose sand, and steep dunes. The increased ride height enhances ground clearance, reducing the risk of undercarriage damage while navigating uneven trails.

Furthermore, its tailor-made roll-bar and optional canopy ensure enhanced stability and protection, providing the perfect combination of function and style. Whether you are embarking on a weekend adventure or a professional off-road expedition, this D-Max modification guarantees a commanding presence.

### Advanced off-road engineering

One of the most revolutionary features of the modified D-Max is its built-in compressor with a digital control unit, allowing drivers to autonomously inflate and deflate their tires without the hassle of manual adjustments. Unlike conventional methods that require stopping at a tire shop or using a portable compressor under the hood, this state-of-the-art system provides an effortless way to adjust tire pressure for maximum grip off-road and optimal safety on paved roads.

Additionally, the four-wheel simultaneous inflation system ensures time efficiency and precision,

making it an indispensable tool for serious off-roaders.

### Power meets precision

At the heart of this off-road beast is the Torque Diesel Engine, offering unparalleled power and efficiency within the one-ton truck category. Unlike its competitors, the Isuzu D-Max provides class-leading torque, ensuring superior acceleration and pulling capability without compromising fuel efficiency. This combination makes it an ideal choice for those seeking high performance without unnecessary bulk.



Despite its robust capabilities, the D-Max remains significantly lighter than comparable off-roaders, providing superior agility and control. This lightweight yet sturdy construction allows for easier maneuverability over challenging terrains, making it the perfect companion for off-road enthusiasts.

### Strength, safety, and style

Safety and durability are at the core of the Isuzu D-Max, and this modified version takes it a notch higher with front and rear metal bumpers, specifically designed for the desert environment. These bumpers enhance approach and departure angles, allowing for smoother transitions when climbing dunes or descending steep slopes. They also add a bold and rugged aesthetic that complements the vehicle's off-road prowess.

### Additional enhancements include:

- **4x4 with differential lock** – Ensures better traction and control in extreme conditions.
- **Front fog lights and additional LED light bar** – Enhances visibility in low-light or dusty environments.
- **Side steps with rugged underbody protection** – Facilitates easier access while protecting the vehicle's sides.
- **Safety towing hooks (front and rear)** – Essential for vehicle recovery in challenging situations.



- **Roof rack with aluminum ladder** – Provides extra storage for overland adventures, allowing more cargo capacity.

### The ultimate off-road investment

Unlike other modified pickups, the Isuzu D-Max Off-Road Performance Model is unique in that all modifications are carried out with OEM-level installation quality, ensuring a flawless finish that does not void the vehicle's warranty. This is a game-changer for off-road enthusiasts, as it offers peace of mind knowing that these modifications are manufacturer-approved and built to last.

Furthermore, its design sticker decal set adds a personalized touch, allowing owners to showcase their unique style while enjoying the unmatched performance of the highest-spec D-Max truck available.

### Conquering the roads less traveled

The Isuzu D-Max Modified Pickup Truck is not just a vehicle; it's a statement. It embodies the perfect balance between power, durability, and cutting-edge technology, setting new standards in the off-road world. Whether you are navigating treacherous mountain trails, desert dunes, or muddy backroads, this truck ensures a seamless, exhilarating driving experience with every adventure.

No other dealer offers this level of modification without compromising warranty or quality. If you're looking for a true off-road champion, look no further than the Isuzu D-Max Off-Road Performance Modified Truck—built to take you where others won't dare.

This exclusive Isuzu D-Max Modified Pickup Truck is available only at Jaidah, the exclusive dealer for Isuzu in Qatar. Customers can also conveniently service their Isuzu trucks at one of two locations, Industrial Area and Al Khor.

Welcome to the next generation of tough.



Redefine Off-Road Dominance  
**The Isuzu D-Max Modified Edition.**





# FUEL EFFICIENCY TIPS

In an era of fluctuating gas prices and growing environmental concerns, improving fuel efficiency has become a priority for many drivers. Not only can adopting smarter driving habits and maintaining your vehicle properly save you money at the pump, but it can also reduce your carbon footprint. Below, we explore key strategies for maximizing fuel economy, including driving habits and maintenance tips that will keep costs down.

### 1. Adopt efficient driving habits

Your driving style directly impacts fuel efficiency. Small adjustments can make a significant difference in reducing fuel consumption. First, smooth driving is key. Avoid rapid acceleration and sudden braking, as aggressive driving can waste gas and reduce fuel efficiency. Instead, accelerate gradually and brake smoothly. On highways, maintaining a consistent speed using cruise control can also help, as fluctuating speeds force the engine to work harder and consume more fuel. Additionally, driving above 50 miles per hour (80 km/h) can increase fuel consumption, so it's best to adhere to speed limits.

Another way to boost fuel efficiency is to reduce idle time. Idling burns fuel without moving your

vehicle, so turning off the engine when you're stopped for more than a minute, such as at long lights or waiting in traffic, is a good practice. Air conditioning can also lower fuel economy by up to 20%, so it's worth using it sparingly. When possible, try driving with the windows down or using the vehicle's ventilation system instead.

Lastly, planning your routes ahead of time can save you both time and fuel. Avoiding traffic congestion and reducing stop-and-go driving are crucial. Using GPS apps to find the fastest routes and combining errands into a single trip can prevent unnecessary fuel waste.

### 2. Maintain your vehicle

Routine maintenance is vital for ensuring your vehicle runs efficiently. Start with tire maintenance, as under-inflated tires can increase rolling resistance and reduce fuel efficiency by up to 3%. Check tire

pressure regularly—ideally once a month—and before long trips. Always refer to the vehicle's manual for the correct pressure level.

Replacing clogged air filters is another simple yet effective way to maintain fuel economy. A clean air filter ensures that your engine gets enough air for combustion, which can improve fuel efficiency by as much as 10%. Similarly, using the recommended motor oil helps reduce friction within the engine, allowing it to run more smoothly and efficiently. Always follow the manufacturer's recommendations for oil type and change intervals.

### 5. Consider your vehicle's efficiency features

Modern vehicles come equipped with features designed to improve fuel economy. If you're in the market for a new car, consider opting for a hybrid or electric vehicle. These cars are designed to maximize fuel efficiency, and electric vehicles completely eliminate the need for gasoline.

For existing vehicles, investing in low rolling resistance tires can also help improve fuel efficiency. These tires are designed to reduce the amount of energy required to keep the car moving, ultimately saving you money on fuel.



### 6. Maximize fuel savings during long trips

On long road trips, you can take additional steps to maximize fuel savings. For example, keeping your speed at a moderate level can significantly reduce fuel consumption. Driving at high speeds forces the engine to work harder, reducing fuel efficiency. Also, instead of stopping frequently for fuel, plan your trip to refuel only once, ideally at a gas station offering competitive prices. Using apps to find the cheapest fuel along your route can help you save even more.

Fuel efficiency isn't just about saving money at the pump—it's also about reducing your carbon footprint and contributing to environmental sustainability. By adopting efficient driving habits, performing regular vehicle maintenance, and making small adjustments to your routine, you can significantly improve fuel economy. Whether it's through maintaining tire pressure, removing excess weight, or planning your routes, each step can help you save money on gas while extending the life of your vehicle.



A well-maintained engine is key to long-term fuel efficiency. Regularly check spark plugs, fuel filters, and wires to ensure your engine is running at its best. Replacing a misfiring spark plug, for example, can improve fuel efficiency by up to 30%.

### 3. Reduce vehicle weight

Excess weight in your vehicle demands more energy to move, which leads to greater fuel consumption. It's important to regularly clean out your car, removing unnecessary items that add weight, especially heavy ones. For instance, every 100 pounds of extra weight can reduce fuel efficiency by about 1%.

Roof racks and carriers also create extra drag, which reduces fuel efficiency. If you're not using them, take them off your vehicle to minimize wind resistance and improve fuel economy.

### 4. Choose the right fuel

The type of fuel you use can also influence how much you spend at the pump. It's important to stick to the type of gasoline your car manufacturer recommends. If your car doesn't require premium fuel, there's no benefit in using it, as most vehicles perform just as well on regular unleaded gasoline.

If your vehicle is compatible, you may also want to consider ethanol-free fuel, as ethanol can reduce fuel efficiency in some cars. Be sure to consult your vehicle's manual for compatibility.



## Battery Maintenance How to Avoid Unexpected Breakdowns

The car battery is the heart of your vehicle's electrical system, providing the initial power necessary to start the engine and running essential components like lights, air conditioning, and entertainment systems. A well-maintained battery can last several years, but if neglected, it may fail unexpectedly, leaving you stranded or causing unnecessary repairs. Knowing how to check the health of your battery, clean the terminals, and recognize signs of a failing battery is key to avoiding breakdowns.

### 1. Understanding your car battery

Car batteries are typically lead-acid or AGM (Absorbent Glass Mat) types. They work by converting chemical energy into electrical power to start the engine and keep the electrical systems functioning. Over time, factors such as temperature extremes, frequent short trips, and even how often the car is used can degrade the battery's performance.



### 2. How to check battery health

Monitoring your battery's health is essential for avoiding unexpected breakdowns. Regular checks help determine if the battery is still in good shape or showing signs of wear. Here's how you can check the health of your car battery:

- **Voltage Test:** The most effective way to check the health of your battery is by testing its voltage. A fully charged, healthy car battery should read about 12.6 volts or more when the car is off. If the voltage drops to around 12.4 volts or lower, it could indicate the battery is underperforming. If it's under 12 volts, it's time to replace the battery.
- You can use a multimeter to measure the voltage. Simply place the red probe on the positive terminal and the black probe on the negative terminal. A reading of around 12.6 volts is ideal.

- **Load Test:** This test determines the battery's ability to perform under stress. While many auto repair shops offer this service, you can also perform it with a special tester or ask your mechanic to conduct one. A failing battery will often show a significant voltage drop under load.
- **Check for Corrosion:** Look for signs of corrosion around the battery terminals. White, ashy buildup indicates the presence of sulfuric acid, which can affect the performance and longevity of your battery. Clean this corrosion immediately.



### 3. Cleaning battery terminals

Dirty, corroded battery terminals are a common cause of battery problems. Corrosion creates resistance, which can prevent the battery from charging fully and even cause poor performance. Here's how to clean your battery terminals:

- **Safety First:** Always wear gloves and eye protection, as battery acid can be harmful. Make sure the car is turned off, and remove the keys from the ignition.
- **Disconnect the Battery:** Start by disconnecting the negative terminal first (marked with a minus sign) to prevent electrical shorts. Then, disconnect the positive terminal.
- **Cleaning Solution:** Mix a solution of baking soda and water. For stubborn corrosion, you can use a commercial battery cleaner. Apply this solution to the terminals and cable ends. You'll notice bubbling as the acid neutralizes the corrosion.
- **Scrub the Terminals:** Use a wire brush or an old toothbrush to scrub away the corrosion. Be gentle but thorough.
- **Rinse and Dry:** After cleaning, rinse the terminals with clean water and dry them with a cloth.
- **Reconnect the Battery:** Reattach the positive

terminal first, followed by the negative one. Ensure the terminals are tightly secured.



### 4. Recognizing signs of a failing battery

There are a few telltale signs that your battery is nearing the end of its life:

- **Slow Engine Crank:** If your engine takes longer than usual to start, or you hear a sluggish, labored cranking sound, it's a common sign that your battery's charge is weakening.
- **Dimming Lights:** Flickering headlights or interior lights can signal a dying battery. A healthy battery should provide steady voltage to all electrical components.
- **Check Engine Light:** If the battery light on your dashboard is on, or the "Check Engine" light flickers intermittently, it could mean that the battery is no longer able to supply the necessary power for the engine control unit (ECU).
- **Swollen Battery Case:** A bloated, swollen battery case is an indication of overcharging or extreme temperature conditions. If you notice this, the battery may be faulty and in need of replacement.
- **Foul Smell or Leaking:** If you detect a rotten egg smell (sulfur) or notice the battery leaking, it's a clear sign of a failure. Leaking can lead to acid damage, so it's essential to replace the battery immediately.

### 5. General tips for prolonging battery life

To ensure your battery lasts longer and performs well, consider these tips:

- **Keep the Battery Secure:** Make sure the battery is properly secured in its compartment. A loose battery can lead to vibrations that can shorten its lifespan.
- **Avoid Short Trips:** Batteries don't fully charge on short trips. If possible, take longer drives to allow the alternator to recharge the battery completely.
- **Turn Off Unnecessary Electrical Devices:** When your car is off, avoid leaving electrical devices like lights, radios, or USB chargers running. These can drain the battery, especially if it's older.
- **Park in a Garage:** Extreme temperatures (both hot and cold) can damage your battery. Parking your car in a garage can protect it from these conditions.
- **Regular Battery Inspections:** Schedule regular inspections with your mechanic. They can check for any signs of deterioration and replace the battery before it fails.

### 6. When to replace the battery

Even with regular maintenance, car batteries eventually wear out and need replacing. Most car batteries last between 3 to 5 years, but this can vary depending on the climate and driving habits. If your battery shows signs of severe wear, it's best to replace it before it completely dies and leaves you stranded.

Proper car battery maintenance is essential for avoiding the inconvenience and stress of unexpected breakdowns. By regularly checking the health of your battery, cleaning the terminals, and staying alert to the signs of a failing battery, you can keep your vehicle running smoothly. Whether you're doing the maintenance yourself or having it done by a professional, taking these simple steps will save you time, money, and the hassle of being stranded due to battery failure.





# Mannai Celebrates 75 Year of Excellence this Ramadan with JAC Exceptional Offers starting from QAR 750/month

In celebration of Mannai 75th anniversary, JAC is delighted to unveil its exceptional Ramadan offers on JAC models during the upcoming weeks. Over the past 75 Years Mannai grew to become one of the leading automotive groups in Qatar with JAC being one of the latest brands acquired to the group. Today, JAC celebrates with an extensive range of offerings, aiming to cater to every customer's unique requirements and preferences.

Customers will enjoy a number of benefits for each model that caters to JAC customers' needs. The campaign features attractive EMI's starting from 750 QAR, up to 7,500 QAR

gift vouchers, 0% down payment option and unmatched 6-year unlimited mileage warranty coverage.

Mannai – JAC is committed to providing customers with the best deals on its line-up of new cars, helping them find the perfect vehicle for their needs and preferences. During the holy month, JAC team welcomes you to the showroom to test drive the cars and experience an exciting drive. For more information and to experience the latest JAC model line-up, customers can visit JACQATAR.com, dial (8001808), or step into JAC showroom at Mannai Complex.



# The timeless appeal of classic cars

Classic cars have long been a symbol of elegance, craftsmanship, and history. For car enthusiasts and collectors, these vehicles represent more than just a mode of transportation—they are a passion, a lifestyle, and a way to connect with the past. The timeless appeal of classic cars continues to captivate collectors, and their love for these vintage machines can be attributed to a variety of factors ranging from their historical significance to their unique design and craftsmanship.

One of the most compelling reasons collectors are drawn to classic cars is their historical significance. Each classic car represents a snapshot of a particular era, offering insight into the technological advancements, societal trends, and cultural values of the time. Owning and preserving a classic car allows collectors to connect with history on a personal level, providing a tangible link to the past.

Classic cars often reflect pivotal moments in automotive history, from the post-World War II boom that introduced mass production to the groundbreaking designs of the 1960s and 1970s. Vehicles like the Ford Mustang, Chevrolet Corvette, and Porsche 911 have become iconic not only for their design but for their role in shaping the automotive landscape. These cars offer a glimpse into the innovations and changes that defined the 20th century and beyond.

Classic cars are often admired for their craftsmanship and design, which were often hand-built or produced with a level of attention to detail that is hard to find in today's mass-produced vehicles. The materials used, the fit and finish, and the unique styling of classic cars evoke a sense of artistry that resonates with collectors. Many classic cars were produced with design principles that prioritized form as much as function, resulting in timeless aesthetics that still turn heads today.

From the sleek lines of a 1960s Jaguar E-Type to the bold, muscular stance of a 1970 Dodge Charger, the design of classic cars speaks to an era when automobile manufacturers prioritized style, performance, and individuality. For collectors, these cars are not just transportation—they are rolling works of art.

For many collectors, classic cars evoke a deep sense of nostalgia. These vehicles often remind them of their youth or of a time when cars represented freedom and adventure. Whether it's the first car they ever owned, a model that was popular during their formative years, or a vehicle associated with fond memories, classic cars have an emotional pull that transcends their mechanical qualities.

This emotional connection is a significant part of why collectors are so passionate about these vehicles. Classic cars allow owners to relive memories, share experiences with others, and pass down a piece of history to future generations. For many, collecting classic cars is not just a hobby—it's a way to preserve and celebrate their personal history.

The rarity of classic cars is another reason why they are so highly coveted by collectors. As time passes, certain models become harder to find, and their value increases due to limited production or preservation. Some classic cars were only produced in small quantities, making them even more rare and desirable. For example, cars like the Ferrari 250 GTO or the Mercedes-Benz 300SL Gullwing are now incredibly sought after, not just for their beauty but for their scarcity.

Owning a rare classic car is not just about having a beautiful machine—it's about possessing something that few others can own. The exclusivity of these cars gives collectors a sense of pride and accomplishment, as they are often part of a select group who have managed to acquire and preserve these rare gems.



While passion and nostalgia are significant drivers of classic car collecting, the financial aspect also plays a role. Many classic cars have proven to be sound investments over time, with values appreciating significantly as the years go by. Some models have seen their prices increase exponentially, making them not only a pleasure to own but also a potential asset.

High-end classic cars, especially those from renowned manufacturers like Ferrari, Porsche, and Rolls-Royce, can fetch astronomical prices at auctions. Even less rare models can appreciate in value if well-maintained and kept in good condition. For collectors, this combination of enjoyment and investment potential adds an extra layer of allure to the world of classic cars.

Another aspect of classic car collecting that many enthusiasts find rewarding is the process of restoration and preservation. Restoring a classic car to its former glory requires skill, patience, and a deep understanding of the vehicle's history and mechanics. For some collectors, the act of bringing a classic car back to life is an immensely satisfying project, one that allows them to preserve automotive history while also showcasing their own craftsmanship.

The restoration process also offers a sense of accomplishment, as collectors take pride in restoring every detail, from the engine to the paintwork. Some collectors choose to keep their vehicles as original as possible, while others may make modifications or improvements to enhance performance or appearance. The variety of approaches to restoration ensures that every classic car collection is unique.

Collecting classic cars also fosters a sense of community. Enthusiasts often come together at car shows, auctions, and rallies, where they can

share their passion and knowledge with like-minded individuals. These events provide opportunities to learn from other collectors, network, and showcase their prized possessions. The camaraderie among collectors is a key part of the appeal, as it creates a shared sense of belonging and appreciation for the art of collecting classic cars.

Finally, the driving experience of a classic car is unlike any other. For many collectors, the pleasure of getting behind the wheel of a vintage car and feeling the connection to the road is one of the greatest joys of owning a classic. The sound of the engine, the feel of the steering wheel, and the mechanical nature of the vehicle create a driving experience that modern cars simply can't replicate.

Classic cars often require more attention and skill to drive than modern vehicles, as they may not have the same conveniences or technological advancements. This challenge adds to the excitement and satisfaction of driving a classic, as it allows owners to experience a more raw and engaging connection with the vehicle.

The timeless appeal of classic cars is multifaceted, encompassing history, craftsmanship, nostalgia, rarity, investment potential, and the joy of restoration. For collectors, these vehicles represent much more than just machines—they are symbols of an era, a connection to the past, and a personal passion. Whether for the pleasure of driving, the pride of ownership, or the sense of community that comes with being part of the classic car world, the love for these timeless vehicles shows no signs of fading. As long as there are enthusiasts willing to appreciate and preserve these iconic machines, the legacy of classic cars will continue to thrive.



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