



GLOBAL FLEET SALES

FG-SERIES

DEFENSE VEHICLES



TOUGH. RELIABLE. READY TO SERVE.

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FG-P

The FG-P is a light tactical vehicle built on a Ford Ranger 1-ton Pickup designed for defense and security operations. Ford Global Fleet Sales offers customized applications and equipment to suit customers' needs.



JP8 Capability

The JP8 fuel conversion allows the FG-P to run on all grades of diesel fuel and even jet fuel.



Blackout System

Black Out Function Switches off all light emitting sources with the flick of a switch.



3.5T GVW

The FGFS suspension upgrade ensures enhanced handling and long-term durability under heavy loads and extreme conditions.



Suspension Upgrade To 3,500kg

Sometimes, the biggest load capacity is not enough to meet operational needs. FGFS provides a GVM upgrade of 3,500kg for better control and load distribution. It is proven and validated against the Australian Design Rules, the strictest GVM upgrade regulations.

A GVM upgrade is essential to prevent fading and aging of the damping system in heavy operating conditions. It stabilizes and levels the vehicle, maintaining a smooth ride and drive by stiffening the suspension system for enhanced ride and drive quality.

The hot rolled front coil with an uprated specification was designed for high load and long life. Rear leaves in heavy-duty multi-leaf construction are designed for high load and minimum stress. An optional military wrap is available.

The twin tube foam cell dampers, located at the front and rear, provide stability and control required for the extra weight, while heavy duty bushes made of rubber and polyurethane enhance vehicle stability and lifespan.

The package underwent extensive testing to meet or exceed the OEM dynamics. ABS and ESP are both tested and validated to maintain their function in the new GVM setup.

In conclusion, the FGFS suspension upgrade provides enhanced handling and long-term durability, especially under heavy loads and extreme driving conditions.

Jet Fuel Compatibility

The JP8 fuel conversion allows the FG-P to run on all grades of diesel fuel and even jet fuel.

What happens when a standard Euro 4+ engine runs on high sulfur or non-diesel fuel?

- The catalytic converters can become cloaked with contaminants.
- Exhaust Gas Recirculation (EGR) coolers can develop acid build up, leading to corrosion.
- Water could enter the engine and, in the worst case, result in a capital engine failure.
- The Engine Control Unit (ECU) will recognize EGR cooler corrosion and build-up, causing error codes that advise diagnosing the error at a minimum and often other problems.
- Injector and high-pressure pump degradation.
- Fuel pressure deviation resulting in a 'limp home' (reduced performance) condition.

What does the conversion consist of?

The catalytic converter is replaced with a non-catalytic muffler system. The EGR valve is blocked with a plate to prevent return exhaust from entering the EGR cooler. The cooler itself remains in place.

A hot climate option is an extra HD fuel cooler to operate F63, JP8, or similar low-viscosity fuels.

Software updates include recalibrating the engine control unit (ECU) to deactivate the EGR sensor and delete error codes that appear due to EGR blockage with the plate.

Recalibration of the ECU allows the unit to manage operations. At the same time, the vehicle can run on various fuels that do not meet the properties of Diesel, e.g., F63, JP8.

The updated calibration is loaded into the Ford after sales systems, ensuring it is included in regular service updates conducted via the Ford network.



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Blackout System

At the flick of a switch, all vehicle lights and sound sources are turned off. This system is designed for stationary observation or active surveillance.

How does it work?

When the operator turns on "Black Out," a series of control modules activate and instruct all smart modules to turn off their light sources or enter sleep mode. All passive systems are also switched off to prevent any light illumination.

Sound emitting sources such as the horn and warning beepers are also switched off.

Convoy lights and infrared lights can be installed for military customers.

The primary vehicle functionality remains. The HVAC system operates normally, as do the engine and transmission. Power steering and all vehicle safety systems, such as ABS/ESP/Air-bag, remain activated and function normally.

Exterior Blackout Features



Vehicle Silent Mode

On many missions, it is critical to avoid being noticed. The silent mode gives the operator just that. With no combustion engine running, the vehicle has a minimum sound and heat signature to help avoid early detection.

How does it work?

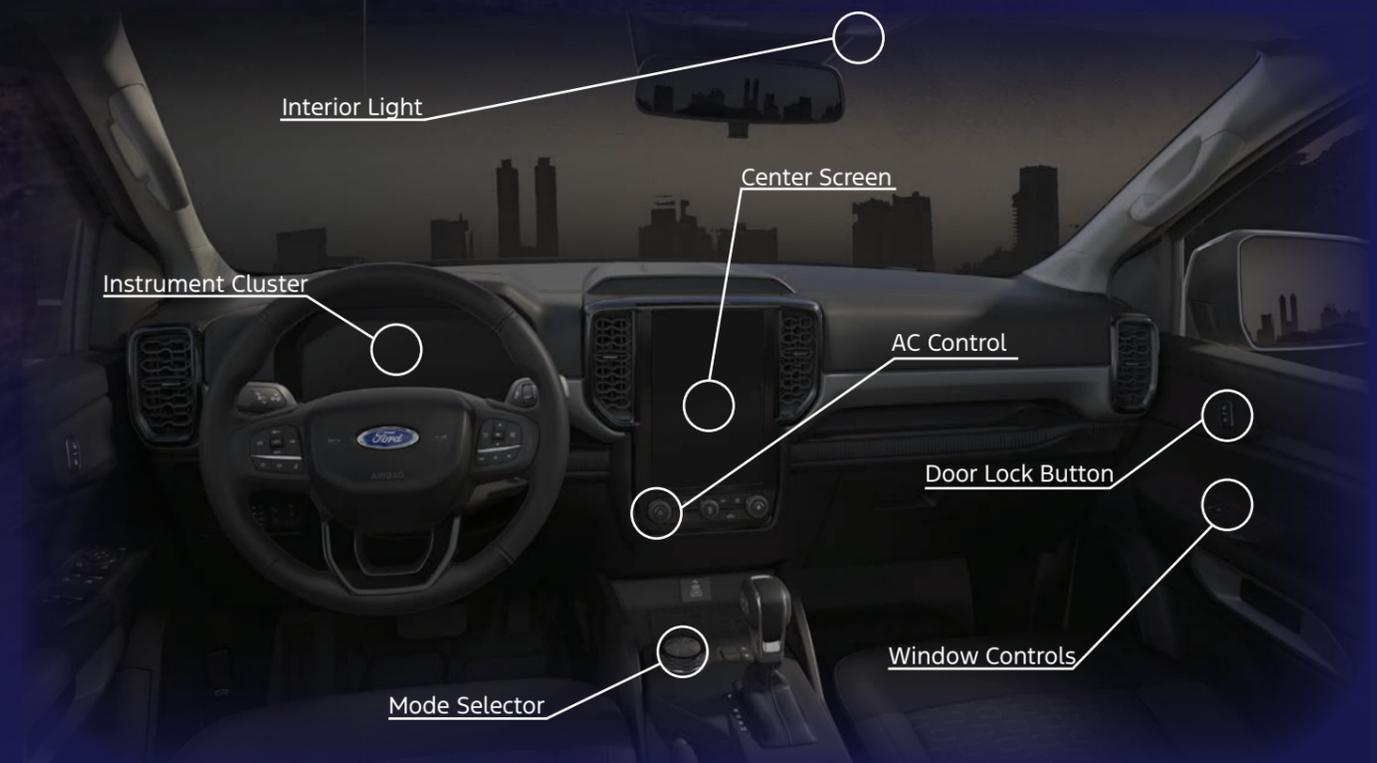
The FG-P is equipped with an electric motor on the rear drive-line and a drive battery.

To activate it, the vehicle must be at a complete stop with the transmission in neutral. Then, the silent mode can be activated, and the engine shuts down. An interlock system prevents accidental engine operation.

The electric motor propels the vehicle at speeds up to 20km/h. Higher speeds are possible on request, and the range is scalable by various battery sizes and ranges from 2km to 30km.

In Silent Mode, the vehicle emits no engine sounds and eliminates all engine heat. This does not impact the engine's operation, and if needed, the engine can be quickly restarted.

Interior Blackout Features



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FG-P

The new FG-P is built on the Next-Generation Ford Ranger Pickup. Tough, smart, and versatile, this Next-Generation Ranger is packed with new features and advanced technology.

Ford's global design DNA is reflected in the C-clamp Matrix LED headlamps and strong horizontal upper grille bar with a wider front end. Engines are available in Single-Turbo inline four-cylinder diesel engines and a 2.3L EcoBoost petrol engine. There is a new 3.0-liter turbo-diesel V6 with 184kW and 600 Nm of torque.

The cargo area includes a molded plastic bed liner, an integrated side-step, a wider bed, 360-degree zone lighting, a cargo management system, cargo tie-downs and more.

Depending on the model, a six-speed automatic or Ford's efficient 10-speed SelectShift automatic is available.



Police Patrol Vehicle

Military Field Ambulance



Light Utility Vehicle

Mobile Workshop

FG-S



Military Field Ambulance

The FG-S is a truck-based SUV developed by FGFS and designed for field operations in the most challenging terrains.

The FG-S is fitted with Blackout and Silent Function, and a suspension upgrade to 3500kg. The diesel engine has been recalibrated to run on all fuel, including jet fuel (JP8).

Based on Ford's next-generation Everest, the FG-S is available in 4X2 and 4X4 with Hi and Low range and a 2.0L Single Turbo four-cylinder diesel engine.

The Ford Everest is a highly capable off-road vehicle with a wide track, high ground clearance, 800mm water wading, and is equipped with Ford's very latest engineering technology.

Water wading is 800mm (2.6ft), while the roof can hold static loads of 350kg (772 lbs) or dynamic loads as heavy as 100kg (220 lbs).



Patrol Vehicle



Light Tactical Vehicle



Cash-In-Transit



Light Utility Vehicle

FG-V

The FG-V is a Transit 4X4 Conversion that transforms a rear wheel drive Ford Transit through a series of expertly engineered steps into a true off-roader with a 4-Hi and 4-Low drivetrain.

Externally, the Transit 4X4 looks formidable with its increased height and large off-road tires. The body has been raised by 100mm to accommodate the larger tires and extensive underbody modifications.

A new engine cradle, uprights, heavy-duty tower control arms, and a brand-new off-road suspension package deliver the most capable 4X4 in its class. Engineers have added a new front differential, prop shaft, and 4X4 transfer case. The rear is fitted with a new driveshaft and differential.

The front suspension is an independent MacPherson Struts layout, with upgraded coil springs and an upsized stabilizer bar. The rear suspension uses a new multi-leaf spring with an eon, providing maximum durability and load capacity.



Military Field Ambulance

Military Transport



Mobile Clinic

Cargo Transport



Dropside

Fire Rescue

Dangerous duties require equipment you can count on. Ford Global Fleet Sales works closely with Ford and its dealers globally to provide critical vehicle deliveries and after-sales support that ensure fleets are up to whatever task is demanded of them and operate at maximum efficiency throughout their lifecycle.

FORD MILITARY HISTORY

Ford's roots as a trusted military supplier date back to U.S. involvement in WWII, when it began producing Jeeps for the U.S. military in 1941. The vehicles were nicknamed for their "GP," or general-purpose designation. By 1942, Ford halted all civilian auto production in the United States to produce military equipment. Through its manufacturing expertise, Ford facilities built numerous automobiles, planes, tanks, aircraft engines, and other materials for the war effort. By the end of WWII, Ford produced more than 8,000 B-24 Liberator bombers.

FORMATION OF FORD GLOBAL FLEET SALES

Fast forward to 2002, Ford Global Fleet Sales (FGFS) was formed out of a requirement to stand up to a fleet of Light Tactical Vehicles (LTVs) for the Afghan National Security Forces (ANSF) at the request of the U.S. Army's Tank and Automotive Command (TACOM). Initially, the ANSF ordered 265 vehicles from FGFS. However, over the next decade, FGFS's support for the ANSF grew significantly, with over 43,000 vehicles supplied, including customized modifications, logistical assistance, and ongoing fleet analysis. FGFS has also provided more than \$100 million in spare parts to support the fleet and has trained local nationals with critical skills to achieve long-term self-sufficiency.

Now the leading Ford distributor to militaries, police forces, and other organizations involved in security and counter-terrorism operations globally, FGFS has provided purpose-built Ford vehicles to nearly 100 countries worldwide.



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