



FORD GLOBAL FLEET SALES

FG-P

LIGHT TACTICAL VEHICLE



JP8
CAPABILITY



BLACKOUT
SYSTEM



3.5T GVW

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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.



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Included Equipment

- JP8 Capability
- Blackout System
- 3.5T GVW
- Nato Green Paint
- Black Canvas Seat Covers
- Bull Bar
- Heavy-Duty Side Steps
- Side Protection Bar
- Rear Steel Bumper
- Underbody Protection
- Rear Tow Bar (ball/ball-pintle/pintle) with plug
- Fire Extinguisher 1kg

Optional Equipment

- Custom Paint & Decals
- Roof Rack with Cargo Net
- Remote Control Search Light
- PA & Siren
- Removable Mesh Protectors; Windscreen & Side Windows
- Electric Winch
- Emergency Light Bar
- Foldable Seat in Load Box
- 2-Way Radio System
- High Lift Jack with Mount

FG-P

Vehicle Details

Model	FG-P
Engine	2.0L Turbo Diesel
Power / Torque	170 PS / 405 Nm
Drivetrain	4X4
Transmission	6-Speed Manual / Automatic
Fuel Tank	80L
Wheels	17" Steel
Tires	265/70 R17
Base Kerb Weight (kg)	1964.8
Kerb Weight* (kg)	2198 (range 2500-2600)

Vehicle Dimensions

Length (mm)	5350
Width w/Mirrors (mm)	2208
Height (mm)	1884
Pin Height Front/Rear (mm)	320/660
Angle of Approach* (mm)	29.5
Angle of Departure* w/out Towing System (mm)	26.0
Wheelbase (mm)	3270
Track Width (mm)	1620
Ground Clearance (mm)	222
Turning Circle (m)	12



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 and maintains the ride and drive by stiffening the suspension system for increased ride and drive quality.

The hot rolled front coil with the uprated specification is 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 front and rear provide stability and control required for the extra weight, while heavy-duty bushes in rubber and polyurethane increase vehicle stability and lifespan.

The package is tuned in 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 ensures enhanced handling and long-term durability 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) cooler can develop acid build-up and will build corrosion.
- Water could enter the engine and worst case, result in a capital engine failure.
- Engine ECU will recognize EGR cooler corrosion and build-up, causing error codes advising to diagnose the error at a minimum and often other problems.
- Injector and high-pressure pump degradation.
- Fuel pressure deviation resulting in engine 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 recalibration of the engine control unit (ECU) to deactivate the EGR sensor and delete the error codes from appearing due to the EGR blockage with the plate.

Recalibration of the ECU allows the unit to manage operations while the vehicle runs on various fuels that do not meet the properties of Diesel, e.g., F63, JP8.

Updated calibration is loaded into the Ford aftersales systems so that it will be included in regular service updates conducted via the Ford network.

FG-P



Military Field Ambulance



Mobile Workshop



Light Tactical Vehicle



Police Patrol Vehicle



Light Utility Vehicle



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