



GURKHA MPV

Issued to:
Margate Police Department
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Margate, FL
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No of pages: 7

BASE VEHICLE SPECIFICATIONS**Ballistic Protection**

Opaque Armor	NIJ IV: 30-06 M2 Armor Piercing multi-hit (2,850 fps)
(Occupant Area & Includes Firewall)	CEN-B7: 7.62 x 51 M61 Armor Piercing multi-hit (2,690 fps)
	VPAM VR10: 7.62 x 54 B32 Armor Piercing Incendiary (2,820 fps)
	UL752 Level 10: 50 Caliber M33 (2,900 fps)
	50 Caliber M33 (2650 fps) multi-hit
	20mm Fragment Simulating Projectile (2,480 fps)
	Obliquity angle: Verticals at 0° / roof at 30°
Transparent Armor	NIJ IV: 30-06 M2 Armor Piercing (2,850 fps)
	UL 752 Level 10: 50 Caliber M33 (2,800 fps)
	Obliquity angle: 0°
	Glass thickness: 2.5 inches / 63 mm
Fuel Tank	NIJ III

Performance

Base Chassis	2021 Ford F550 4x4
Engine Options	7.3L V8 Gas 350 HP / 468 lb.-ft. Torque
	6.7L V8 turbo diesel 330 HP / 825 lb.-ft. Torque <i>OPTIONAL</i>
Transmission	10-speed automatic with tow/haul mode
Transfer Case	2-speed with electronic shift on the fly 4x4
Rear Differential	4.88 ratio with limited slip
Brakes	Four-wheel disc anti-lock brakes (ABS)
Suspension	Custom tuned shocks with external reservoir. Upgraded HD steering damper
Front Springs	Upgraded coils
Rear Springs	Multi-leaf springs
Wheels	Four (4) Hutchinson Defense WA-1090 forged aluminum 20" x 11"
Run Flats	Rodgard run flats
Tires	335/80R20 Continental MPT 81

Capability

Approach Angle	42°
Departure Angle	25°
Ground Clearance	11.5 inches (292 mm) - ground to rear differential case
	22 inches (558 mm) - ground to side step
Turning Radius	Outside: 22 feet (6,705 mm)
	Inside: 10'2" (3,225 mm)
Track Width	82 inches (2,082 mm)
Slope Gradient	60%
Side Slope	40%
Water Fording	41 inches (1,041 mm)
Vertical Step	18 inches (457 mm)
Trench	27 inches (685 mm)
Top Speed	70 mph (110 km/h)
Fuel Range	425 miles (680 km)

Capacities & Dimensions

GVWR	19,500 lbs (8,845 kg)
GAWR Rear	14,706 lbs (6,670 kg)
GAWR Front	7,500 lbs (3,401 kg)
Curb Weight	16,800 lbs (7,620 kg) - Base model
Payload	2,700 lbs (1,224 kg) - Base model
Fuel Tank	40 gallons (151 liters)
Length	256 inches (6,500 mm)
Width	102 inches (2,571 mm)
Height	102 inches (2,571 mm) - roof hatch
	115 inches (2,921 mm) - cupola
Wheelbase	145 inches (3,683 mm) - unaltered chassis with valid Ford OEM warranty

Interior

Front Seats	Driver & passenger front seats with arm rest
Rear Seats	Two (2) side facing bench seats for three (3) occupants per bench Three (3) 2-point seat belts at each bench Bench seats lift up to access storage area on both sides
Flip Seats	Two (2) rear facing flip seats with 3-point seatbelts mounted behind front seats <i>OPTIONAL</i>
Air Conditioning	Factory AC & heat in front cab Ceiling mounted AC & heater for rear occupants <i>OPTIONAL</i>
Insulation	Insulation in walls, ceiling and floor
Center Console	Full size console with backlit accessory switches, two (2) cup holders and cell phone storage pockets
Ceiling Console	Ceiling mounted console with white map lights and spare upfitter switches
Headliner	Heavy duty automotive grade fabric upholstered headliner
Lighting	White / red LED lights in the occupant area
Console	Center console with backlit switches and two (2) cup holders
Audio	AM/FM radio with two (2) speakers
Windows	One-piece full size windshield Large full view glass at both front doors Four (4) portal glass at each side and two (2) portal glass at back doors Larger glass size available to replace portal glass <i>OPTIONAL</i>
Grab Handles	Grab handle at each door and six (6) grab handles mounted to the rear ceiling
Tie-Downs	Multi-positional rail tie-down system mounted to both bench seats
Ventilation	Smoke extraction fan mounted at the driver side rear area

Exterior

Paint	Client to specify color
Tow Hooks	Two towing hooks mounted at front and rear
Mirrors	Two power adjustable side mirrors
Fuel Access	Fuel tank access door with key lock
Side Steps	Full length side steps coated in black Line-X positive grip coating Full width rear step coated in black Line-X positive grip coating Secondary rear step hinged for departure angle breaches
Hand Rails	Roof mounted handrails on driver and passenger side upper body line Roof mounted handrail on rear upper body line
Roof	Grip tape strips added to roof for positive grip
Bumpers	Heavy duty integrated front bumper Full width rear step
Side Doors	Two (2) side doors (seating for 2 + 10) Four (4) side doors (seating for 2+6) <i>OPTIONAL</i>
Rear Doors	Two (2) rear entry doors – 50/50
Door Locks	Internal dead bolt locks on all doors Hold-open locks on all doors Manual lock at each door Remote power door locks integrated with OEM Ford key fob <i>OPTIONAL</i>
Exterior Lights	5-1/2 inch round LED headlights with integrated signal lights LED tail lights and license plate light Five (5) amber clearance LED lights mounted at the front roof Two (2) amber marker LED lights mounted at front corners Five (5) red clearance LED lights mounted at the rear roof Two (2) red marker LED lights mounted at rear corners

OPTIONAL UPGRADES**Tactical Options**

<input type="checkbox"/>	1	Low profile sliding hatch with height adjustable operator stand	\$10,000
<input checked="" type="checkbox"/>	2	Manual rotating roof hatch with gun port and height adjustable operator stand	\$10,000
<input type="checkbox"/>	3	Manual rotating cupola with height adjustable operator stand	\$20,000
<input checked="" type="checkbox"/>	4	Gun ports: 4 per side / 2 at rear door	\$5,000
<input type="checkbox"/>	5	Manual battering ram with external or internal storage	\$4,500
<input checked="" type="checkbox"/>	6	Power operable battering ram with 3 breaching heads and hood mounted camera	\$9,500
<input type="checkbox"/>	6P	Provision for power ram. Includes front mounts, wiring and external storage racks	\$1,500
<input checked="" type="checkbox"/>	7	Automated gas delivery breaching head (CTS & Deftech compatible)	\$13,500
<input type="checkbox"/>	8	Ram cam breaching head with four (4) multi-position cameras	\$6,500
<input checked="" type="checkbox"/>	9	Power operable ballistic skip shield – NIJ III armor	\$3,500
<input type="checkbox"/>	10	Fire suppression system at all wheels	\$6,000
<input type="checkbox"/>	11	Fire suppression system at engine	\$6,000
<input type="checkbox"/>	12	Breathing air tank with quick release connector at each seat - masks not included	\$6,000
<input type="checkbox"/>	13	Protective steel mesh on all windows (removable)	\$3,000
<input type="checkbox"/>	14	Explosive gas detection system	\$6,000
<input type="checkbox"/>	15	Radiation detection system	\$6,000
<input checked="" type="checkbox"/>	16	Four (4) side door configuration	\$2,000
<input checked="" type="checkbox"/>	17	Transparent armor upgrade: 30-06 M2 AP - NIJ IV / 7.62 x 51 M61 AP multi-hit - CEN B7 / 50 Cal M33 / 20 mm FSP at 0° obliquity (Glass thickness: 3 inches / 78 mm)	\$5,000
<input type="checkbox"/>	18	LRAD 100X with magnetic roof mount (optional upgrades available)	\$14,000
<input type="checkbox"/>	18P	Provision for LRAD 450XL. Includes LRAD wiring harnesses and roof mount	\$4,050
<input type="checkbox"/>	19	LRAD 450XL roof mounted with standalone MP3 controller (optional upgrades available)	\$27,000
<input type="checkbox"/>	20	LRAD 450XL roof mounted with integrated MP3 controller (optional upgrades available)	\$31,050
<input type="checkbox"/>	21	Roof mounted water monitor with joystick	\$38,000
<input type="checkbox"/>	22	Two (2) floor mounted gun racks	\$1,170
<input type="checkbox"/>	23	Patriot 3 Liberator HX or ARC elevated tactics system	Please contact
<input type="checkbox"/>	24	5-piece ammunition and first aid magnetic storage kit	\$700

Exterior Lighting Options

<input checked="" type="checkbox"/>	25	Two (2) front roof mounted LED search lights - remote control	\$2,500
<input checked="" type="checkbox"/>	26	Two (2) rear roof mounted LED search lights - remote control	\$2,500
<input type="checkbox"/>	27	10 inch LED scene lights - left & right side mount	\$2,000
<input type="checkbox"/>	28	6 inch LED flood lights – left & right side mount	\$1,200
<input type="checkbox"/>	29	Two (2) 4 inch infrared lights mounted on front bumper	\$1,500
<input type="checkbox"/>	30	Two (2) 6 inch LED fog lights mounted on front bumper (DOT compliant)	\$1,200
<input type="checkbox"/>	31	Standard Emergency Light Package (Alternate configurations available): Red/Blue Roof mounted light sticks: Front & rear Red/Blue Perimeter Lighting: 4 @ front, 4 @ rear, 2 @ both sides Public Address System: 200W siren with two (2) x 100W speakers Wigwag flashers in headlights and tail lights	\$5,000
<input checked="" type="checkbox"/>	32	Premium bluePRINT Emergency Light Package Four (4) roof mounted LED traffic controller/take down/scene lights LED perimeter flashers/scene lights: 6 @ front / 4 @ rear / 3 @ both sides Public Address System: 200W siren with two (2) x 100W speakers Blackout switch to disable exterior lighting	\$9,500
<input type="checkbox"/>	33	Roof mounted traffic light pre-emption strobe	\$3,000
<input type="checkbox"/>	34	Low frequency siren with 2 x external speakers	\$2,500
<input type="checkbox"/>	35	7 inch round LED headlights – blacked out housing	\$1,250
<input checked="" type="checkbox"/>	36	Install customer supplied police radio, 25' coax cable thick mount / antenna	\$750
<input type="checkbox"/>	37	Install customer supplied emergency lighting	\$1,000

Electronic Options		
☐	38	Intercom system – inside / outside \$1,500
☐	39	Battery charger with auto eject receptacle \$2,900
☐	40	Roof Mounted Pan / Tilt / Zoom Color Camera: \$9,800
		CCD PTZ camera, 30x zoom, search light, IR light, lens wiper, joystick controller, dash mounted 9 inch touch screen monitor with 256 GB DVR, 15 inch rear monitor
☐	41	Roof Mounted Pan / Tilt Thermal Sensor: \$9,800
		320 x 240 thermal sensor with remote control, audible and visual alerts for person & vehicle detection, 9 inch dash mounted touch screen monitor with 256 GB DVR, 15 inch rear monitor
☐	42	Roof mounted Pan/Tilt/30x Zoom CCD color camera, thermal sensor (640x480), controller, 9 inch touch screen monitor with 256 GB DVR, 15 inch rear monitor \$26,000
☐	43	Roof mounted Rvision PTZ color camera with 35mm thermal sensor, 9 inch touch screen monitor with 256 GB DVR, 15 inch rear monitor, Look contoler with monitor \$48,000
☐	44	TAV-4GLTEWIFI Cellular Modem/WiFi/Video Server Assembly \$4,800
☐	45	Reverse camera with 7 inch dash monitor \$800
☐	46	Reverse camera with 9 inch monitor \$1,000
☐	47	Four (4) reverse proximity sensors with audible / visual alert \$800
☐	48	15 inch ceiling mounted monitor for rear occupants \$800
☐	49	Front bumper mounted view camera \$750
☐	50	In-dash GPS navigation head unit \$2,500
☐	51	1,000W AC/DC power inverter \$1,000
☐	52	2,000W AC/DC power inverter \$1,500
☐	53	Blackout switch to disable all exterior vehicle and emergency lighting \$1,000
☐	54	6 USB charging ports - 2 in cab / 4 in rear \$500
☐	55	Heated windshield \$1,500
☐	56	Remote power door locks integrated with key fobs \$1,000
Interior Options		
☐	57	4-way power adjustable driver and front passenger seats (\$1,250 each) \$2,500
☐	58	Two (2) rear facing jump seats \$2,500
☐	59	Ceiling mounted AC & heat for rear occupants (engine driven) \$4,000
☐	60	Independent AC (operates with engine off) \$6,000
☐	61	Independent heater (operates with engine off) \$6,000
Medic Layout Package		
☐	62	Work station with storage drawers and backlit shelving \$18,900
		Widened driver side bench seat with dual straps to secure tactical litter
		Dual straps to secure tactical litter at passenger bench seat
		Two (2) Jumbo D oxygen bottles with independent dispensing spouts
		Two (2) USB charge ports & 12V power ports
		Four (4) IV hooks
		Six (6) Ceiling mounted Whelen red/white LED trauma lights
		Four (4) Ceiling mounted directional white lights
Offroad Options		
☐	63	Front bumper mounted Warn 16,500 lb capacity winch \$3,500
☐	64	Warn 16,500 lb winch with front & rear receivers \$5,000
☐	65	External mount high output air compressor with two quick release couplers \$5,000
☐	66	Front differential lock (**Recommended**) \$3,000
Exterior Options		
☐	67	Towing package with class IV rear hitch \$1,500
☐	68	Spare wheel assembly packaged loose (includes runflat) \$4,000
☐	69	Paint upgrade from matte/satin finish to base clear finish (clear coat) \$2,000
☐	70	Line-X coating on rear fenders, bottom half of vertical sides & all exterior grab rails \$6,500
☐	71	Dual exterior storage compartments with locking handles \$3,500
☐	72	Painted wheels - select color from color option list \$2,000
Training		
☐	73	Integrated Tactical Concepts - California POST approved ARV training for 25 students \$15,000
Ford F550 Chassis		
☐	74	6.7L V8 turbo diesel 330HP / 825 lb-ft torque \$9,300

PRICE & TERMS**Vehicle Description:** GURKHA MPV**Chassis:** 2021 Ford F550 4x4 (U.S. specification & title)**Market Zone:** United States**Quantity:** One (1)**Price Code:** Law Enforcement**Base Vehicle:** \$235,000**Optional Upgrades:** \$136,050**Subtotal:** \$371,050**Total Cost (USD)** \$371,050

Basis: Ex-works Factory Newmarket Ontario Canada and free of all Canadian duties and/or taxes. (state taxes are the responsibility of the end user)

Lead time: 24-26 weeks from receipt of F550 chassis delivered to Terradyne**Shipping:** Client to specify shipping preference**Payment Terms:** 50% Deposit due at order and the balance due prior to shipping**Validity:** 30 Days

TERRADYNE LIMITED WARRANTY

Terradyne warrants any items installed, and conversion related to custom workmanship for three (3) years. Any suspected warranty related work must be first be confirmed as being necessary by means of a technical consultation with a representative of TERRADYNE ARMORED VEHICLES INC. Technical consultation regarding any deficiency repairs or malfunctions is available by telephone during our normal business hours Eastern Standard time at 905-895-1010.

Ballistic transparencies are warranted for three (3) years; however the Warranty excludes damage to bullet resistant glass caused by stones, malicious damage, projectiles or other flying objects.

Warranty work to be directly covered by TERRADYNE may be performed locally only after assessment and authorization by TERRADYNE. TERRADYNE shall, upon consultation and approval, make payment for any/all repairs deemed to be of a reasonable nature by the Company.

TERRADYNE does not cover any OEM vehicle parts and components that we have not been modified no performed work on, during the armoring process. Such parts and components are the sole responsibility of the client and the vehicle's Original Equipment Manufacturer.

TERRADYNE assumes no responsibility for damages incurred through vehicle misuse or abuse, negligence, accidental damage, or any unauthorized modifications or alterations made to the vehicle following delivery of the vehicle to the client. Under the terms of this limited warranty, TERRADYNE shall in no way be held liable for any incidental or consequential damages arising from loss of use or loss of time, inconvenience, or commercial loss resulting from the need for warranty work. This warranty covers the repair and/or replacement of warranty related items only, and any non-warranty related additional costs incurred remain the responsibility of the client.

Accessories not directly related to the armoring process (winches, lighting, antenna, shields, turrets etc.) shall be covered by the warranties of their respective manufacturers and are not included in the warranty coverage provided by this agreement. However, although TERRADYNE does not warrant these items directly in any way, we do agree to offer all reasonable assistance in obtaining service from their companies of origin. Should there be any undue difficulties with obtaining servicing of these accessories; TERRADYNE will also agree to replace them for the client at our current wholesale cost price. The client shall remain responsible for any/all shipping and handling fees or incidental costs associated with the replacement of such items, as well as the aforementioned replacement costs.

Terradyne optional limited warranty extension available: 1 year / 20,000 miles

Ford Motor Company Warranty Coverage:

Powertrain: 5 years / 60,000 miles

Gas engine: 5 years / 60,000 miles

Diesel engine: 5 years / 100,000 miles



TERRADYNE ARMORED VEHICLES INC.

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February 7, 2022

To whom it may concern,

This letter is to confirm that the MPV armored rescue vehicle is a sole source product that is manufactured, sold and distributed exclusively by Terradyne Armored Vehicles Inc. No division of Terradyne Armored Vehicles Inc. nor any other company makes a similar or competing product. Unique features of the MPV include:

1. Unaltered OEM truck chassis for proven reliability and OEM warranty support
2. Demonstrated FMVSS compliance
3. NIJ IV ballistic resistance compliance at zero degrees obliquity at the top end of the specified velocity range. The competition advertises NIJ IV ballistic protection at 30 degrees obliquity. The NIJ standard specifies ballistic resistance at zero degrees obliquity.
4. On board power deployable skip shield
5. Power door lock actuators
6. Superior interior space and head protection when situated on outboard rails compared to other products

This product must be purchased directly by government agencies from Terradyne Armored Vehicles Inc. at the address listed above. If you require additional information, don't hesitate to contact me at 905-895-1010 Extension 710 or visit our website at www.terradyneinc.com.

Thank you for your interest in our products.

Lucus Witzke, Sales Manager