

Specifications/Requirements

Non Armored Pickup Truck

1.0 The contractor shall provide all resources necessary to provide non armored vehicles, provide and install upgrade suspension components, breaking system and driveline (i.e., drive shaft) IAW the specifications/ requirements as described in below.

2.0 The vehicles shall comply with the following U.S. specifications/requirements:

- a. 2013 PICK-UP 4X4 Truck 3.0 Liter DOHC 16-Valve V4 Model Year 2013 (less than 100 miles). Original equipment, light pickup truck similar or equal to a Toyota Hilux. or similar.
- b. 3.0 liter DOHC 16 Valve with Dual Overhead Cam (DOHC) 160 hp @ 3400 rpm; 160 lb.-ft. @ 1,400-3,200 rpm
- c. Auxiliary engine/transmission cooler
- d. Heavy duty automatic transmission 5-speed Electronically Controlled Automatic Transmission (ECT-i) and sequential shift mode
- e. Full time 4WD with Active Traction Control (A-TRAC) and Torsen limited-slip center differential with locking feature
- f. Ignition System – Electronic
- g. Emission Rating – Low Emission Vehicle (LEV-II)
- h. High-capacity air conditioning
- i. Heavy-duty suspension – coil-spring independent double-wishbone front suspension with stabilizer bar; coil-spring 4-link with lateral rod rear suspension with stabilizer bar (upgraded front and rear springs, sway bars, heavy-duty shock absorbers, etc).
- j. Trailer towing package
- k. Power windows and locks, capable of being operated from the driver's station
- l. Seating Capacity: 5
- m. Fuel Tank Capacity: 21 Gallons minimum
- n. Color: light color (Gray, White, Beige)
- o. US and Metric speedometer (desired measurement units, however not required)
- p. Brakes – Power assisted ventilated front disc brakes; drum rear brakes
- q. Minimum four (4) doors
- r. Tilt steering
- s. AM/FM radio, CD (Colombian frequency)
- t. Set of the OEM standard owner's and repair manuals in English and Spanish

- u. Step bumpers
- u. Floor mats for front and rear passenger areas
- v. One ABC type fire extinguisher and mounting bracket shall be provided, with the extinguisher having a minimum 2.5 pound (1 kg) capacity. The fire extinguisher shall be located in the cargo area.
- w. Tool box or storage area with tire changing tools and lifting jack minimum capacity of 50% of the heaviest axle load rating at Gross Vehicle Weight (GVW) shall be provided.

3.0 Performance Design Objectives

- a. Acceleration:
 - Required: 0 to 60 mph in under 20 seconds
 - Desired: 0 to 60 mph in less than 15 seconds
- b. Top Speed:
 - Minimum Required: 90 mph
 - Desired: 100 mph.
- c. Suspension and Handling. Handling with a lateral G force of 65% or greater. Drive train and coupling (attached points) and related infrastructure components shall be reinforced, if necessary, to accommodate increased vibration/stress due to additional weight of the armor mass.
- d. Braking. Below is the required braking distance for each vehicle class.
 - (1) 2013 Pickup Truck 4X4 4.0L V4: From 60 mph to full stop in less than 155 feet.
 - (2) Brake system shall accommodate after-armor mass of vehicle and be of such design as to ensure against failure, to include failure at top speed and/or repeated use. Each vehicle type will be tested for the performance criteria stated above without a payload, except for an operator weighing approximately 200 lbs.
 - (3) The contractor shall provide and install all necessary materials, components, accessories and/or mounting hardware for protection package, and each specified optional feature, and make any/all compensatory adjustments to the vehicle, in accordance with the requirements set forth within this contract.
 - (4) Mounting hardware should be hardened/tempered steel, and should not become a secondary projectile if hit or penetrated.

4.0 Warranty and Inspection:

4.1 All vehicles under this agreement shall carry the standard commercial warranty of a minimum three (3) year warranty on parts, labor, and workmanship on ballistic glass and a minimum three (3) year warranty on parts, labor, and workmanship on opaque armor, from date of acceptance. The contractor shall provide warranty coverage at the vehicle's location (which might be outside of the Bogotá metropolitan area) at no additional cost to the government (i.e., parts, labor, shipment and travel).

4.2 Contractor shall assign to the Government any remaining OEM warranty protection.

5.0 Data Requirements. Contractor shall provide the following vehicle information.

- (a) Make and Model
- (b) VIN Number
- (c) Registration Number
- (d) National Stock Number (if applicable)
- (e) Manufacturer
- (f) MFG Serial Number
- (i) Vehicle Curb Weight (Lbs/Kg)
- (j) Payload. Maximum (Lbs/Kg)
- (k) Gross vehicle weight rating (Lbs/Kg)
- (m) Warranty (months/miles)
- (n) Vehicles shall be marked as: U.S. Property
- (o) Required Tire Pressure