

GUCV

Commercial Utility Cargo Vehicle



- U.S. Army Military Designation:
Tactical, 3/4-Ton, 4x4, M1009 Truck Utility
- Military Tasks:
Command, Control, and Transport of Personnel
- Fulfills U.S. Military Requirements
- Meets or Exceeds Technical and Engineering Standards Based on U.S. Military Testing
- Provides Commonality of Components, Repair Parts, and Vehicle Configurations for this Family of Military Vehicles

Truck & Bus Group



Military Vehicles from Commercial Designs . . .

A 14-month study, "Special Analysis of Wheeled Vehicles", commonly known as "Wheels", recommended that commercial vehicles could be substituted for military designed models, even those intended for field use in tactical units. The United States Army has awarded a contract to General Motors Corporation in its effort to replace a large portion of its lightweight truck fleet under the Commercial Utility Cargo Vehicle (CUCV) Program. Military add-on specifications were required to accommodate specific needs. GM's adaptations of their commercially proven vehicles are designed to meet a wide range of needs within the U.S. Armed Services into the 1990's. Type A, a derivative of GM Model K10516, has gained wide acceptance as a rugged, yet highly maneuverable vehicle capable of operating in highway and off-road environments to service both commercial and recreational users. Types B thru E are derivatives of GM's K-30 model line in a four wheel drive configuration. Over nine million of the popular C/K series of vehicles have been produced, the majority of which are being utilized in commercial operations.

5 CUCV Variants

TYPE C

Ambulance



TYPE A

Utility



TYPE D

Truck Chassis



TYPE B

Cargo



TYPE E

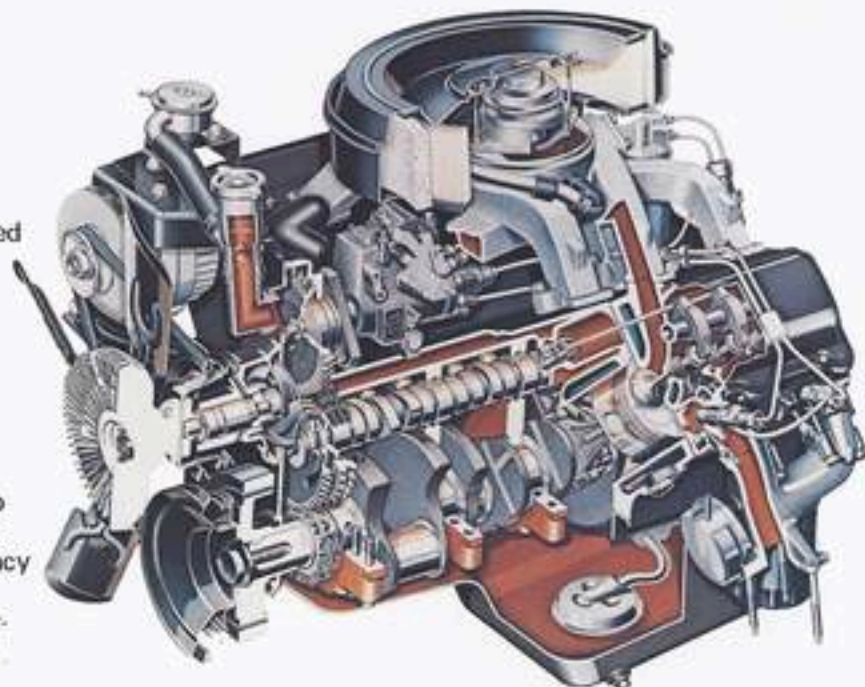
Cargo Shelter Carrier



General Motors new 6.2L diesel . . .

The new 6.2 liter V8 diesel is the first domestic diesel engine designed specifically for tough light-duty truck applications. Features include polywrap air cleaner, full-flow oil filter, pintle-type fuel injection nozzles, and electric glow plug for each cylinder.

The engine is naturally aspirated and incorporates a proven Ricardo Comet V precombustion chamber for impressive combustion efficiency and emissions control. It has passed the 400 hour NATO endurance test.



Other features:

- Cast iron alloy block is webbed for strength. Cylinder walls can be rebored.
- Cast iron cylinder head has hardened valve seats and large coolant passages.
- Five bolts are located around each cylinder.
- Heavy-duty nodular crankshaft has deep rolled fillets.
- Four-bolt main bearing caps for each of five main bearings provide strong support for the crankshaft.
- Forged steel camshaft is carburized and ground.
- Pistons are cast aluminum with Ni-Resist full top-ring groove insert, three piston rings (two compression and one oil control), and floating piston pin.
- Stanadyne gear driven fuel distribution meters fuel to each Bosch Pentle injector nozzle for impressive fuel control.

General Motors Truck Operations

Since its establishment in 1908, General Motors has developed into the world's largest engineering and manufacturing organization. It operates assembly, manufacturing, distribution, or warehousing facilities in 37 countries.

Recently, in response to the increasingly worldwide demand for quality commercial vehicle products, GM consolidated several independent product operations into a single group with international responsibility.

This major realignment accomplishes the inte-

gration of design, engineering, and manufacturing of commercial vehicle products and components under the umbrella of the new General Motors Truck & Bus Group. Product responsibilities include trucks, buses, diesel engines, automatic transmissions, gas turbines, and auxiliary power plants.

Responsibility for military application of commercial vehicles – both tactical and armored – has been assigned to a specialized staff headquartered at the General Motors Technical Center in Warren, Michigan.

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GUCV

versatility . . .

Light Cargo and Personnel Transport,
Ambulatory and Litter Evacuation,
Mounting for Special Bodies,
Communications Shelter, etc.

