



Mushriqui Consulting LLC

Chevrolet Express Prisoner Transport Van



STANDARD EQUIPMENT SUMMARY:

Model: CG33706

	INTERIOR FEATURES
AIR BAGS	Driver and Front passenger
AIR CONDITIONING	Front and Rear (Includes Rear Heater)
CRUISE CONTROL	Electronic With Set and Resume Speed
CUPHOLDERS	Three on Engine Console Cover
DEFOGGERS	Side Windows
GLASS	Solar-Ray, Light Tinted
INSTRUMENTATION	Analog Engine Temperature, Speedometer, Odometer, Fuel Level, Oil Pressure, Trip Odometer, Voltmeter, (Oil Life Monitor and Low Oil, Low Coolant, Low Fuel Warnings)
LIGHTING	Three Dome Lamps, with Defeat Switch and Door-activated Switches
POWER OUTLET	Two Covered
RADIO	AM/FM stereo, Seek-and-Scan, Digital Clock and 4 Speakers
STEERING COLUMN	Tilt
THEFT-DETERRENT SYSTEM	PassLock



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EXTERIOR FEATURES

BUMPERS	Front, Painted, Black and Rear, Painted, Black with Entry-assist Step
DOORS	Swing-out Side, 60/40 Split
GRILLE	Molded in Black
HEADLAMPS	Single Rectangular Halogen
MIRRORS	Outside, LH and RH, Manual, Foldaway, Black

INTERIOR TRIM

FLOOR COVERING	Vinyl Floormat, Full-width, Embossed, Black, Over Entire Floor Area and Front Wheel Housing
SEATS	Front Vinyl High-Back Buckets, Adjustable and Reclining with Bench Rear Seats in Vinyl Trim

EXTERIOR TRIM

LICENSE PLATE BRACKET	Front and Rear
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STANDARD EQUIPMENT SUMMARY (continued):

CHASSIS FEATURES

ALTERNATOR	145 amp
BATTERY	Heavy-duty, 600 CCA
BRAKES	Power-assisted 4-wheel Disc, with 4-wheel Anti-lock
ENGINE	Vortec 6000 V8
EXHAUST	Aluminized Stainless-steel Muffler and Tailpipe
FUEL TANK CAPACITY	31 Gallon
SPARE TIRE/WHEEL	Full-size, underbody-mounted
SUSPENSION - FRONT	Independent with Coil Spring and Stabilizer Bar
SUSPENSION - REAR	Two Stage, Semi-Elliptic Multi-Leaf Springs and Full Floating Rear Axle Shaft
TIRES	LT245/75R16E All-season, Steel-belted Radial, Blackwall with Full Size Spare
TRANSMISSION	4-speed Automatic Heavy Duty Electronically Controlled with Overdrive, Tow Haul Mode and External Transmission Oil Cooler
WHEELS	16" x 6.5" Steel



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ENGINE				TRANSMISSION		AXLE	
STANDARD	TYPE	DISPLACEMENT LITERS/CU. IN.	FUEL SYSTEM	STANDARD	TYPE	OPTION CODE	RATIO
LQ4	V8	6.0 (366) Gas	SFI	MT1	H/D 4- speed Auto w/OD	GT4 GT5(Opt.)	3.73 4.10

Note: When LQ4 engine is ordered you must specify emission type
FE9 - Federal YF5 - California NG1 - Northeast States

NOTE: This Vehicle is Not Designed Nor Intended for High Speed Emergency Vehicle Operation.

GENERAL

Model CG33706
Drive Rear Wheel

EXTERIOR (in/mm)

Wheelbase 155.0/3937
Overall Length 238.8/6066
Overall Width 79.5/2019
Overall Height 82.8/2103
Tread Front 67.8/1722
Tread Rear 67.2/1709
Turning Diameter curb to curb (ft.) 53.5/1631

FRONT COMPARTMENT (in/mm)

Head Room 40.6/1032
Shoulder Room 68.8/1748
Hip Room 63.9/1623
Leg Room (maximum) 41.2/1047

REAR COMPARTMENT (in/mm)

Head Room Varies
Shoulder Room Depending
Hip Room on Seating
Leg Room (minimum) Arrangement

CARGO CAPACITY (cu.ft.)

12 Passenger 57.0
15 Passenger N/A

ALTERNATOR

Type STD. With Rear AC
Amps AD244
Amps @ idle 145
59

TRANSMISSION

Automatic Electronic with Overdrive 4-speed

AXLE

Ratio - Standard 3.73
Ratio - Optional 4.10

BRAKES

ABS Hydra-Boost Disc/Disc
Front Size 12.40 x 1.55
Rear Size 13.0 x 3.937

TIRES

Type All-Season
Size LT245/75R16

WHEELS

Type Steel
Size 16" x 6.5"

CHASSIS

Frame Full Length Boxed Frame
Front Suspension Independent with Coil Spring
Rear Suspension Two-Stage Multi-Leaf Spring
Steering Type Speed Sensitive (EVO),
Variable Ratio, Integral Power
Steering Ratio (Center/Stop) 17.2:1

VEHICLE WEIGHT

GVWR (lbs.) 9600
Curb (lbs) 12 Passenger 6122
Payload (lbs.) 3378
Note: Payload and curb weight will vary with option content

BATTERY

Type Maintenance Free
BCI Group Size 78
Volts 12
Amp Hour Rating 69
Cold Cranking Amps @ 0°F (-18°C) 600
Reserve Capacity @ 80°F (27°C) 115
Features:

- Maintenance-Free Design
- Built-In Flame Arrester
- Built-In Hydrometer
- Side-Mounted Terminals
- Reinforced Polypropylene Case

Gas



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ENGINE

Type	V8
Displacement: Liters (cu. in.)	6.0 (366)
Horsepower/RPM	255 @ 4600
Torque/RPM	330 @ 2800
Fuel System	SFI
Compression Ratio	9.4:1
Exhaust	Single
Minimum Recommended Fuel	87
Fuel Tank Capacity (Gallons/Liters)	31

REGULAR PRODUCTION OPTIONS

DESCRIPTION

V10	COLD CLIMATE PACKAGE - Includes Engine Block Heater
C49	DEFOGGERS - Rear Window, Requires Tinted Glass
YA2	DOORS - Rearward Sliding Side
AJ1	GLASS - Solar-Ray, Deep Tinted
C36	HEATER - Rear (Included with C69 Rear Air Conditioning)
TR9	LIGHTING - Reading Lamps, Underhood Lamp and Stepwell Lights on Front and Side Doors
DE5	MIRRORS - Outside, LH and RH, Remote Control, Electric, Foldaway with Defog Feature (Requires ZQ2)
DE7	MIRRORS - Outside, LH and RH, Remote Control Electric, Foldaway with Defog Feature and Integrated Turn Signal Indicators, (Not Available in the Following States, MD, TX, VT, VA, NJ and WA)
ZQ2	CONVENIENCE GROUP - Power Door Locks and Windows
AS5	SEATS - Front, Buckets, Deluxe, Inboard Armrest, with Custom Cloth Trim* (Bench Rear Seat with Cloth Trim)
5T5	SEATS - Front, Buckets, Deluxe, Inboard Armrest, with Custom Cloth Trim* (Bench Rear Seats with Vinyl Trim)
ZP3	SEATS - 15-passenger Seating
U1C	SOUND SYSTEM - AM/FM Stereo, CD, Seek-and-scan, Digital Clock and Theftlock
Z82	TRAILERING SPECIAL EQUIPMENT - Heavy-duty, incl. Platform Trailer Hitch and 7-wire Harness



Prisoner Transport Vehicle Inserts

Bolted Together Inserts

- a. All Bolt-Together modules are pre-assembled in the factory to insure a proper fit. The unit may then be shipped to you for self-installation or installed at MC's facilities.
- b. All Aluminum Construction Durable Easily Cleaned Quickly Installed Transferable to a New Van.
- c. Units are available in either one, two, or three compartment models for standard or extended length cargo vans.
- d. The bolt-on flip-up rear step allows for ease of entrance into the prisoner compartment(s).
- e. The rear security doors are made of 3/8" aluminum. Locks provide added security and protection for the officers.
- f. Standard equipment includes recessed ceiling lights with protective grills, hand holds for the prisoners, and non-skid strips on the seats. A grab handle is installed at the side of the door to assist entry.
- g. The T models have a compartment that is accessible from the side cargo doors and is isolated from the rear compartments.
- h. A window made of 3/8" thick polycarbonate, allows for excellent visibility into the prisoner compartment. In case of emergency it can be quickly removed from the cab side to allow for escape from the prisoner compartment.





MAINTENANCE

<http://www.mushriquiconsulting.com/wwwservice.asp>

1.1 MAINTENANCE Package (Optional)

1.1.1 Maintenance Levels

The System Operators or Technical Personnel are responsible for the following Maintenance tasks and include the following:

- i. Preventive Maintenance such as Inspections.
- ii. Preventive Maintenance such as Cleaning.
- iii. Preventive Maintenance such as Services.
- iv. Corrective Maintenance such as Replacement of Items with a High Failure Rate or Wear-out Rate and which can be replaced with ease.
- v. Corrective Maintenance by Replacement of LRU's (Line Replaceable Units, Assemblies, Sub-assemblies etc.) with a High Failure Probability, High Criticality and which are within the Capability.
- vi. Recovery of Equipment from the Deployment or Units to a maintenance level for Corrective Maintenance.

1.1.2 Maintenance Equipment

Available at all repair facilities

- i. Operating Equipment and Accessories.
- ii. Maintenance Equipment. (Toolboxes)
- iii. Maintenance Items.(Service Packages)
- iv. Spares as required.
- v. Support Equipment as required.
- vi. Special Support and Test Equipment as required.
- vii. Common Support and Test Equipment as required.

1.2 MAINTENANCE ELEMENTS

1.2.1 Documentation

The following documentation is used for vehicle Maintenance:

- i. Operators Maintenance Manual (OMM) for the Operators Maintenance Tasks.



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- ii. Maintenance Schedule for the definition of all Preventive Maintenance.
- iii. Workshop Repair Manual (WRM) for Technical Maintenance Tasks.
- iv. Illustrated Parts Breakdown (IPB) to identify Spare Parts.
- v. Illustrated Stock List (ISL) to identify Support Equipment and Spares.

1.2.2 Support Equipment

The following types of support equipment are used for Maintenance:

- i. Support Equipment carried in the Equipment ETS Boxes including Operating Equipment, Accessories and Maintenance Equipment.
- ii. Support Equipment as required for Preventive and Corrective Maintenance.
- iii. Support Equipment required and consists of Special Tools and Common Equipment which are within the Capability.

1.2.3 Spares

The following types of spares are required for Maintenance:

- i. Spares kept in the Equipment ETS Boxes.
- ii. Preventive and Corrective Maintenance Spares.

1.2.4 Personnel

The following operating and or technical personnel are located at all repair facilities:

- i. Auto Electricians for Vehicle and PSU Electrical.
- ii. Auto Mechanics for diesel and petrol engines.

Armoring

Vehicle Armoring is available in all different levels depending on customer preferences. For more information on armoring levels please visit

www.mushriquiconsulting.com/armorlev.htm