



Mushriqui Consulting LLC

## HUMMER H1 4-DOOR WAGON KSCS TACTICAL VEHICLE – TPU



### INTERIOR FEATURES

- **AIR CONDITIONING** Dual Zone with Environmentally-Friendly Refrigerant (R134a)
- **ASSIST HANDLES** Driver, Passenger and 2nd Row Passenger
- **CRUISE CONTROL** Electronic
- **GLASS EZ-Kool®** Glass Tinted Windows from Back Doors Rearward
- **LOCKS** Power Door
- **POWER OUTLET** Auxiliary in Instrument Panel
- **RADIO** AM/FM Stereo with Cassette and Mast Antenna
- **SEATS** Black Cloth Bucket Seats
- **SIDE WINDOWS** Sliding Rear Side Windows in Cargo Area
- **SPEEDOMETER/CLUSTER** Analog Speedometer with Tachometer and Gauges
- **VISORS** Lighted
- **WINDOWS** Power with Remote Power Lock

### EXTERIOR FEATURES

- **BODY PANELS** Aluminum Base Body With Steel Roof and Doors
- **HEADLIGHTS** Halogen
- **MIRRORS** Power (Heated when DO2 Option is Ordered)



## STANDARD EQUIPMENT SUMMARY (continued): CHASSIS FEATURES

- **ALTERNATOR** 124 amp
- **BATTERY** Dual 770 CCA
- **BRAKES** 4-wheel Power Disc Brakes with Anti-lock Braking System, Hydraulic-actuated, four-wheel Inboard-mounted Meritor-Wabco ABS Power Disc with Translucent Reservoir and Level Sensor
- **BRUSH GUARD** Tubular Constructed Front Brush Guard also Rocker Panel Protection and Driveline Protection
- **DIFFERENTIAL** Torque is delivered to the gear hubs from ZEXEL Torsen® II torque-biasing differentials
  - with inbound-mounted disc brakes. Since the brakes are inbound-mounted, the Hummer's 4-wheel power disc brakes provide exceptional stopping power without leaving the components vulnerable to damage when operating off-road.
- **DRIVE BELT** Serpentine
- **FORDING DEPTH** 30 inches (76.2 cm)
- **FRAME** Steel Box Section with 5 Cross Members
- **FUEL CAPACITY** 25 Gallons (95L) + 17-gallon (64L) Reserve
- **GEARED HUBS** Provides Additional 1.92:1 Reduction at Wheel Hub
- **STEERING** Power-assisted variable-ratio steering provides for a very responsive steering system. The power steering pump provides hydraulic oil pressure to operate the brake system.
- **SUSPENSION** The Hummer features a four-wheel, long travel double-A-arm coil spring suspension with large-diameter hydraulic shock absorbers inside the coils for added protection in harsh environments. The front suspension incorporates a large stabilizer bar for better handling and reducing sway in turns. Together with the wheel and tire assembly, the Hummer's suspension system provides a comfortable ride on even the roughest terrain.
- **TIRES/WHEELS** Highway Touring Goodyear® GSA 37 x 12.50R/17 with One-piece Aluminum Wheels
  - and Central Tire Inflation System (CT15)
- **TOW HOOKS** Two Front and Two Rear
- **TOWING** Trailer Towing
- **TRANSFER CASE** New Venture Gear Model 242. The transfer case permits setting the drivetrain configuration to match virtually any terrain. It features two gear ranges, high and low, with two differential conditions:
  - High: When operating in high range, the internal differential allows the front and rear tires to rotate independently for smooth cornering on hard surfaces.
  - High lock and low lock: The locked positions lock out the internal differential, transmitting torque equally to the front and rear axles. High lock is used primarily on slippery surfaces such as snow-covered roads or muddy trails, when extra traction is needed. Low lock provides an added gear reduction for increased torque. It is used under the most severe terrain conditions, when both traction and maximum torque is required.



## STANDARD EQUIPMENT SUMMARY: (continued)

### CHASSIS FEATURES - continued

**TRANSMISSION** General Motors 4L80-E 4-speed automatic with maximum torque rating of 440 lb.-ft. This is widely regarded as the best and most durable four-speed transmission ever designed. The automatic transmission not only makes the Hummer easy to drive, but it also allows smooth transition of power for improved off-road mobility. Over time, it monitors your driving technique and adjusts to your driving style.

Gear Ratios: 1st - 2.48:1, 2nd - 1.48:1, 3rd - 1.00:1, 4th - 0.75:1

Reverse: 2.08:1, Torque Converter Ratio: 2.2:1

- **TRACTION CONTROL** Full-time 4WD System with TT4
- **TURBO DIESEL ENGINE** V8, 6.5L Diesel Turbocharged, Electronically-Controlled

**VENTILATION** Flow-through

- **STANDARD** Front Black Decontamative Cloth Bucket Seats (Driver Seat Has 8-way Manual Adjuster)
- Rear Black Decontamative Cloth Bucket Seats

## ENGINE TRANSMISSION AXLE GEAR

OPTION TYPE DISPLACEMENT FUEL OPTION TYPE OPTION RATIO HUBS RATIO  
CODE LITERS/CU. IN. SYSTEM CODE CODE

- 6.5 (396) 4L80-E Low-2.72:1
- STD. V8 Turbo Diesel SFI STD. 4-Speed STD. 2.56:1 1.92:1 High-1:1 Auto
- NOTE: Must specify FE9 Federal Emissions

## GENERAL

- Model 4 Door Wagon
- Drive 4-Wheel

## EXTERIOR (in/mm)

- Wheelbase 130/3302
- Overall Length 184.5/4686
- Overall Width 86.5/2197
- Overall Height 75.0/1905
- Tread Front 62.6/1590
- Tread Rear 63.6/1615
- Turning Diameter curb to curb (ft./m) 53/16.2

## FRONT COMPARTMENT (in/mm)

- Head Room 37.5/953
- Shoulder Room 78.8/2002
- Hip Room 50.6/1285
- Leg Room (maximum) 36.0/914

## REAR COMPARTMENT (in/mm)

- Head Room 36.7/932
- Shoulder Room 78.8/2002
- Hip Room 50.6/1285
- Leg Room (minimum) 36.0/914

## CARGO CAPACITY (cu.ft.)

- Behind 2nd Seat 57.85



## Mushriqui Consulting LLC

### EPA FUEL ECONOMY RATINGS CITY/HIGHWAY

- 6.5L Turbo Diesel 10/9
- Projected EPA label values, actual mileage will vary with options, driving conditions, driving habits and vehicles condition.

### ALTERNATOR

- Type CS-144
- Amps 124
- Amps @ idle 79

### ENGINE

- Type 6.5L Turbo Diesel
- Displacement: Liters (cu. in.) 6.5 (396)
- Horsepower/RPM 205 @ 3400
- Torque/RPM 440 @ 1800
- Induction System SFI
- Compression Ratio 20.2:1
- Exhaust Single
- Fuel Tank Capacity (Gallons/Liters) 42

### TRANSMISSION

Automatic Electronic with Overdrive 4-speed

### AXLE

Ratio with limited slip 2.56:1

### BRAKES

ABS Hydro Boost Disc

### CHASSIS

Frame Steel Box Section with 5 Cross Members  
Front Suspension Independent Double A Frame  
Rear Suspension Coil Springs and Shocks  
Steering Type Power Assisted  
Steering Ration (Center/Stop) 13/16:1

### VEHICLE WEIGHT

GVWR (lbs.) 10,300  
Curb (lbs) 7,608  
Payload (lbs.) 2,692  
Note: Payload and curb weight will vary with option content

### BATTERY

Type (Dual Batteries Std.) Maintenance Free  
BCI Group Size 78  
Volts 12  
Amp Hour Rating 69  
Cold Cranking Amps @ 0°F (-18°C) 770  
Reserve Capacity @ 80°F (27°C) 115  
Features:

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



## 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.
- 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.

**Note:** If you are interested in **ARMORING** this 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](http://www.mushriquiconsulting.com/armorlev.htm)