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## Ford E 350



**Basic Chassis Technical Specs: All Technical Specs are before vehicle armoring**

### Engine

Standard Engine	5.4L V8 (2005 only) / 4.4L V8 (2004 only)
Standard Transmission	4 Speed Automatic
Cylinders	8
Horsepower @ RPM	255@4500
Fuel Economy Cty/Hwy	N/A / N/A
Combined Fuel Economy	N/A
EPA Class	Passenger Van
Number of Valves	16
Torque @ RPM	350@2500
Fuel Type/System	Gas Engine / Electronic Fuel Injected
Turbo (yes/no)	No
Overdrive Transmission	Yes
Battery Output	N/A
Compression	9.0
Displacement	5408 / 330
Bore X Stroke	3.55x4.10
Cruising Range	N/A
Final Drive Gear Ratio Opt	N/A
Power To Weight Ratio	24.6
Final Drive Ratio	3.73
Valves Configuration	Single Overhead Cam
Supercharged	No



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### Engine Continued

Electric HorsePower RPM	N/A
Electric Torque Feet Per Pound	N/A
Electric Torque RPM	N/A
Electric HorsePower BHP	N/A

### Capacity & Volume

Cargo Volume (EPA)	N/A
Cargo Volume (MFR)	Not Listed
Fuel Capacity	35.0
Passenger Volume (EPA)	N/A
Passenger Volume (MFR)	Not Listed
Box/Cargo Height	52.5
Box/Cargo Length	120.4
Box/Cargo Width (Wheel)	51.3
Box/Cargo Width (Wall)	66.4
GVWR Standard	8700
GVWR Maximum	8700
Payload Standard	2600
Payload Maximum	2600

### Brakes, Steering, Suspension & Tires

Brakes (Front)	Disc
Brakes (Rear)	Disc
Driveline	Rear Wheel Drive
Driveline (Opt)	N/A
Steering	Recirculating Ball
Steering Diameter Left	48.0
Steering Diameter Right	48.0
Suspension (Front)	Independent
Suspension (Rear)	Live
Tire Type	Light Truck
Tire Width	225
Tire Aspect Ratio	75
Tire Construction	Radial
Tire Wheel Diameter	16



**Interior Dimensions**

Seating (Standard)	7
Seating (Optional)	N/A
Tow Capacity (Standard)	7300
Tow Capacity (Maximum)	10000
Headroom (Front)	42.5
Headroom (Row 2)	40.2
Hiproom (Front)	65.6
Hiproom (Row 2)	66.5
Legroom (Front)	40.0
Legroom (Row 2)	36.9
Shoulder Room (Front)	68.4
Shoulder Room (Row 2)	70.5
Seating (Maximum)	7
Headroom (Row 3)	40.1
Hiproom (Row 3)	66.9
Legroom (Row 3)	41.4
Shoulder Room (Row 3)	71.2

**Exterior Dimensions & Weight**

Curb Weight MT	N/A
Curb Weight AT	6296
Ground Clearance	7.0
Height	83.4
Length	211.9
Top Type (Standard)	Hard Fixed
Top Type (Optional)	Not Applicable
Track (Front)	69.4
Track (Rear)	67.0
Weight Distribution AT (Front)	53
Weight Distribution AT (Rear)	47
Weight Distribution MT (Front)	N/A
Weight Distribution MT (Rear)	N/A
Wheelbase	138.0
Width	70.1
Doors (Standard)	3
Doors (Maximum)	3

**Origin**

Manufactured in	U.S.A.
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**Standard Features:**

**Transmission**

- 4-Speed Electronically Controlled Automatic Transmission With Overdrive

**Steering**

- Power Recirculating Ball Steering
- Tilt Steering Column

**Suspension**

- Twin I-Beam Independent Front Suspension With Coil Springs and Heavy Duty Shock Absorbers
- Semi-Floating Live Axle Rear Suspension With Leaf Springs and Heavy Duty Shock Absorbers
- Front Stabilizer Bar

**Electrical**

- Drive-By-Wire Control For Throttle
- Rear Seat Power Outlet
- Cigarette Lighter
- 72 AH, 650-CCA Battery
- Front Power Outlet

**Braking & Traction**

- 4-Wheel Anti-Lock Brakes
- Front Power Disc and Rear Power Disc Brakes

**Safety**

- Driver Airbag With Dual Stage Deployment
- Passenger Airbag With Dual Stage Deployment
- Automatic Locking Retractors
- Emergency Fuel Shut-Off Device
- Seatbelt Height Adjusters
- 3-Point Seatbelts For Outboard Seating Positions
- Side Guard Door Beams



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### Anti-Theft & Locks

- Power Door Locks
- SecuriLock(TM) Vehicle Anti-Theft Via Engine Immobilizer

### Remote Controls & Remote Releases

- Keyless Entry Operated Via Key Fob
- Multi-Function Remote Operates Door Lock/Unlock, Illuminated Entry and Panic Alarm
- Panic Alarm

### Seats

- Front Dual Reclining High Back Captains Chairs With Fold-Down Center Armrests
- Third Row 3-Passenger Bench Seat
- Second Row Captains Chairs
- Cloth Seats

### Storage

- Glovebox
- Covered Lower Console Storage Located On Dash
- Overhead Console Storage
- Coinholder
- 4 Front Cupholders; 4 Cupholders Total
- Front Dual Door Mounted Storage

### Instrumentation

- Cruise Control
- Steering Wheel Mounted Controls For Cruise Control
- Compass
- Exterior Temperature Gauge
- Digital Clock
- Tachometer

### Interior Lighting

- Interior Load Area Light
- Illuminated Entry
- Front Reading Light



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### **Exterior Lighting**

- Aerodynamic Halogen Headlights

### **Entertainment, Communication & Navigation**

- AM/FM Radio With 80-Watts, Seek/Scan, and 6 Speakers Total; CD Player
- Radio Antenna

### **Heating, Ventilation & Air Conditioning**

- High Capacity Rear Air Conditioning Unit Includes Auxiliary Heater
- Rear Air Conditioning Controls
- Front Manual High Capacity Air Conditioning
- Rear Heat and Air Conditioning Ducts

### **Interior, Design, Decor & Floor Covering**

- Front Carpeted Floor Mats
- Leather Steering Wheel
- Color-Keyed Carpet Located In Passenger Cabin and Cargo Area
- Color-Keyed Cloth Located On Headliner

### **Doors**

- Dual Rear Swing-Out Van Doors
- Passenger Side Swing-Out Van Door

### **Wheels & Tires**

- SBRLT225/75R16E BSW, All-Season Tires
- Underbody Tire Carrier
- Full-Size Spare Tire
- Steel Wheels, 16-In. X 7-In. With Full Sport Wheel Covers

### **Windows, Mirrors & Wipers**

- Privacy Glass
- Dual Power Adjustable Folding Exterior Rearview Mirrors
- Front Dual Illuminated Vanity Mirrors
- Power Windows
- Tinted Glass
- Dual Color-Keyed Cloth Sunvisors
- Intermittent Windshield Wipers



## **Exterior, Design, Paint & Finish**

- Front and Rear Chrome Bumpers
- Running Boards
- Multi-Color Paint
- Metallic Paint (If Selected)
- Front Grille

## **MAINTENANCE**

### **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.



## 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](http://www.mushriquiconsulting.com/armorlev.htm)

**B4** (for ATM Servicing & Cash Carrying) Armored Vehicles

### SPECIFICATION SHEET

<p>Certification</p>	<ul style="list-style-type: none"> <li>• H. P. WHITE LABORATORIES U.S.A</li> <li>• UNITED STATES LABORATORY</li> </ul> <p>THE COMPLETE TESTING STANDARDS SET OUT IN THE GUIDELINES REFERRED TO, AS WELL AS THE TEST PROTOCOL AND ALL CERTIFICATES, MAY BE VIEWED.</p>
<p>Suspension &amp; Braking System</p>	<p><b>REAR STABILISER BAR</b> UPGRADED TO A HEAVY DUTY MODEL</p> <p><b>BRAKING SYSTEM</b> IS FULLY MODIFIED TO PERFORM UNDER ADDITIONAL ARMoured VEHICLE BODY.</p> <p><b>TIRES AND RIMS</b> FITTED ARE FULLY APPROVED FOR THE HIGHER VEHICLE WEIGHT RATIO ACCORDING TO TÜV / MOT (DOT EQUIVALENT) TYPE RECOMMENDATIONS AND LEGAL REQUIREMENTS.</p> <p><b>MODIFICATIONS</b> ARE CARRIED OUT TO ASSURE THAT THE VEHICLE PASSES THE VERY EXACT GERMAN TYPE APPROVAL.</p>
<p>Extra Security Equipment Fitted as a Standard to Vehicle</p>	<p><b>REINFORCED HINGES:</b> SPECIALLY DESIGNED REINFORCED STRENGTHENED HEAVY DUTY DOOR HINGES A MINIMUM OF TWO EXTRA HINGES PER DOOR</p> <p><b>PROTECTED FUEL TANK:</b> COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS WITH LEVEL CEN B4.UTILIZING ARMORED STEEL</p> <p><b>PROTECTED VEHICLE MANAGEMENT SYSTEM</b></p>



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	<p><b>(BLACK BOX):</b> COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS UTILIZING LEVEL CEN B4. WITH ARMORED STEEL</p> <p><b>RUN-FLAT TIRE SYSTEM:</b> 50 KM DISTANCE AT 50 Km/H SPEED.</p> <p><b>REAR CARGO:</b> 100% PROTECTION AGAINST FOREIGN PROJECTILES AND SPLINTERS. THE TRANSPARENT ARMOUR AREA PROVIDES REAR VIEW VISION WITH MINIMAL OBSTRUCTION.</p> <p><b>VEHICLE SUSPENSION STABILISING BARS:</b> ROBUST HEAVY DUTY HARD WEARING COIL SYSTEM. OEM COMFORT STANDARDS ARE MAINTAINED WITH THIS FEATURE.</p>
Optional Security Extras	<ul style="list-style-type: none"> <li>• ALARM SIREN</li> <li>• BATTERY PROTECTION</li> <li>• BEACON CONNECTOR</li> <li>• BULL BAR</li> <li>• CENTRAL DOOR LOCKING</li> <li>• FIRE EXTINGUISHER SYSTEM</li> <li>• FLAG POLES</li> <li>• FOG LAMPS</li> <li>• HEAVY DUTY CAR JACK</li> <li>• 10 TON WRENCH</li> <li>• 4 WINDOW OPERABLE LIFTERS</li> <li>• INTERCOM / PUBLIC ADDRESSING SYSTEM</li> <li>• MAGNETIC BEACON             <ul style="list-style-type: none"> <li>• RADIO/CD COMBINATION</li> <li>• STALK MOUNTED MAP READING LAMP</li> </ul> </li> </ul>
Service Package	<p>Local Service Provided in Iraq (Baghdad, at Camp Victory &amp; Camp Brooklyn and for all other locations in Iraq like Mosul, Tikrit, Basrah and Balad a team of engineers &amp; technicians will be sent on a secure military base) Kuwait , Jordan, Egypt, U.A.E. , U.S.A. , Canada, Russia, Brazil, Mexico, Turkey, Sweden, France, Italy, Afghanistan, and Germany. All other countries are available upon request, All the above have the ability to conduct full warranty, maintenance &amp; service for ballistic and non ballistic needs</p>



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Strobe Lights	BLUE OR RED LIGHTS VISIBLE OR NON-VISIBLE EXCEPT WHEN TURNED ON CAN BE MOUNTED TO THE VEHICLE TO DRAW ATTENTION IN STANDARD TRAFFIC SITUATIONS.
Telephone / Radio Cable Preparation	PRE-WIRING HAS BEEN LAID THROUGHOUT THE VEHICLE TO ASSIST FURTHER INSTALLMENT OF COMMUNICATION EQUIPMENT FOR ON BOARD TELEPHONE.
Toolbox	Standard Tools included for emergency situations

### Warranty

- 3 YEARS OR 60,000 KM WHICHEVER COMES FIRST
- WARRANTY FOR DEFECTS IN MATERIALS AND WORKMANSHIP AFTER TRANSFER OF RISK.
- SERVICES UNDER THE WARRANTY SHALL ONLY BE PROVIDED FREE OF CHARGE IF THE DEFECTS ARE PROVEN IN DESIGN, MATERIALS OR WORKMANSHIP.
- THE WARRANTY IS EXTENDED TO ANY PARTS INSTALLED WHEN REMEDYING THE DEFECTS UNTIL EXPIRE OF THE WARRANTY PERIOD.