



Mushriqui Consulting LLC

## Ford F-350 Crew Cab



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

### Engine

Standard Engine	6.8L V10 or 6.0L V8
Standard Transmission	6 Speed Manual or 5 Speed Automatic
Cylinders	10 or 8
Horsepower @ RPM	362@4750 // 325@3300
Fuel Economy Cty/Hwy	N/A / N/A
Combined Fuel Economy	N/A
EPA Class	Standard 4 Wheel Drive Pickup
Number of Valves	30
Torque @ RPM	457@3250
Fuel Type/System	Gas Engine / Sequential Electronic Fuel Injected
Turbo (yes/no)	No
Overdrive Transmission	Yes
Battery Output	N/A
Compression	9.0
Displacement	6802 / 415
Bore X Stroke	3.55x4.16



<b>Engine Continued</b>	
Cruising Range	N/A
Final Drive Gear Ratio Opt	4.30
Power To Weight Ratio	Not Listed
Final Drive Ratio	4.10
Valves Configuration	Single Overhead Cam
Supercharged	No
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)	N/A
Fuel Capacity	29.0
Passenger Volume (EPA)	N/A
Passenger Volume (MFR)	Not Listed
Box/Cargo Height	20.0
Box/Cargo Length	82.4
Box/Cargo Width (Wheel)	50.9
Box/Cargo Width (Wall)	63.9
GVWR Standard	11200
GVWR Maximum	11200
Payload Standard	Not Listed
Payload Maximum	Not Listed

**Brakes, Steering, Suspension & Tires**

Brakes (Front)	Disc
Brakes (Rear)	Disc
Driveline	Four Wheel Drive Part Time
Driveline (Opt)	N/A
Steering	Recirculating Ball
Steering Diameter Left	56.7
Steering Diameter Right	56.7
Suspension (Front)	Live
Suspension (Rear)	Live
Tire Type	Light Truck
Tire Width	245



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### Brakes Continued

Tire Aspect Ratio	75
Tire Construction	Radial
Tire Wheel Diameter	17

### Interior Dimensions

Seating (Standard)	6
Seating (Optional)	5/4
Tow Capacity (Standard)	Not Listed
Tow Capacity (Maximum)	Not Listed
Headroom (Front)	41.4
Headroom (Row 2)	41.0
Hiproom (Front)	67.4
Hiproom (Row 2)	67.3
Legroom (Front)	40.7
Legroom (Row 2)	41.3
Shoulder Room (Front)	68.0
Shoulder Room (Row 2)	68.0
Seating (Maximum)	6
Headroom (Row 3)	N/A
Hiproom (Row 3)	N/A
Legroom (Row 3)	N/A
Shoulder Room (Row 3)	N/A

### Exterior Dimensions & Weight

Curb Weight MT	Not Listed
Curb Weight AT	Not Listed
Ground Clearance	7.8
Height	80.1
Length	245.6
Top Type (Standard)	Hard Fixed
Top Type (Optional)	Not Applicable
Track (Front)	68.4
Track (Rear)	60.3
Weight Distribution AT (Front)	Not Listed
Weight Distribution AT (Rear)	Not Listed
Weight Distribution MT (Front)	Not Listed
Weight Distribution MT (Rear)	Not Listed
Wheelbase	156.2



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### Exterior Dimensions & Weight Continued

Width	95.5
Doors (Standard)	4
Doors (Maximum)	4

### Crash Test Ratings, Sales & Origin

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

#### Transmission

- 6-Speed Manual/Automatic Transmission or 5 Speed Manual/Automatic With Overdrive

#### Steering

- Power Recirculating Ball Steering
- Tilt Steering Column

#### Suspension

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

#### Electrical

- Audio Prewiring
- 130-Amp Alternator
- Cigarette Lighter and Ashtray
- 72-Amp/Hours Battery With 650 Cold Cranking Amps
- Delayed Power Retention Operates Power Windows
- 2 Front Power Outlets With One Integrated With Cigarette Lighter



### **Braking & Traction**

- 4-Wheel Anti-Lock Brakes
- Front Power 330-mm Disc Brakes and Rear Power 325-mm Disc Brakes With Vacuum Boost

### **Safety**

- Driver Airbag
- Passenger Airbag
- Automatic Locking Retractors On Passenger Seatbelt
- Emergency Fuel Shut-Off Device
- Blockerbeam®
- Front Seatbelt Height Adjusters
- Front Dual 3-Point Seatbelts
- Side Guard Door Beams

### **Anti-Theft & Locks**

- Power Door Locks
- Locking Pickup Truck Tailgate
- Lock For Spare Tire

### **Seats**

- Front Dual Manual Lumbar Support
- Front 40/20/40 Reclining Split Bench Seat With Fold-Down Center Armrest and Integral Headrests
- Cloth Seats
- FlexFold™ Rear Folding Bench Seat With Fold-Down Center Armrest

### **Storage**

- Glovebox
- Lower Console Storage Located On Dash
- Front Dual Seatback Storage Compartments
- Front Row Armrest Storage
- Interior Storage Trays
- Cargo Area Tiedown Hooks
- Coinholder
- 5 Cupholders Total
- Front and Rear Door Mounted Storage



### **Instrumentation**

- Cruise Control
- Steering Wheel Mounted Controls For Cruise Control
- Oil Pressure Gauge
- Battery Gauge
- Digital Clock
- Engine Hour Meter
- Tachometer

### **Interior Lighting**

- Engine Compartment Light
- Delayed Courtesy Light
- Front and Rear Map Lights

### **Exterior Lighting**

- Pickup Truck Cargo Box Light
- Jewel Effect Halogen Headlights

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

- Premium AM/FM Radio With 4 Speakers Total; Single Disc CD Player Integrated With Radio
- Radio Antenna

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

- Manual Air Conditioning

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

- Rear Carpeted Floor Mats
- Front Carpeted Floor Mats
- Carpet Located In Passenger Cabin
- Gray Fabric Back Panel Cover

### **Doors**

- Fold-Down Tailgate
- Four Doors
- Removable Tailgate



## **Wheels & Tires**

- SBRLT275/65R18 BSW, All-Season Tires
- Underbody Tire Carrier
- Full-Size Spare Tire
- Chrome Steel Wheels, 18-In.

## **Windows, Mirrors & Wipers**

- Dual Black Power Adjustable Folding Exterior Rearview Mirrors
- Front Passenger Vanity Mirror
- Power Windows With Driver One-Touch Down
- Tinted Glass
- Front Dual Cloth Sunvisors
- Fixed Intermittent Windshield Wipers

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

- Chrome Front and Rear Bumpers
- Rear Step Bumper
- Front Air Dam
- Metallic Paint (If Selected)
- Crew Cab

## **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.



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- 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)

NIJ Level III/B6 Armored Vehicles

### **SPECIFICATION SHEET**

Protection System	NATO CLASS / HIGH LEVEL
Glass Areas	44 MM BULLET-RESISTANT TRANSPARENT ARMOR, MULTI-LAYER GLASS AND POLYCARBONATE INNER LAYER
Glass Appearance	GLASS IS CURVED AND CONTOURED TO RETAIN THE APPEARANCE OF THE ORIGINAL GLASS. ALL TRANSPARENT AREAS IS ARMORED TO LEVEL B6 WITH 44MM BALLISTIC AUTO GLASS.
Front Side Driver Window	OPERABLE TO 6 INCHES



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Body Doors	PILLAR POSTS, SIDE PANELS, KICK-PANELS, FIREWALL, AND HEADERS (LATERALS) ARE ARMORED WITH BALLISTIC COMPOSITE MATERIAL EQUIVALENT MATERIAL OR AIR HARDENED HEAT TREATED BALLISTIC STEEL (NIJ LEVEL III AND EN 1063 B6 PROTECTION )
Roof	ARMORED WITH BALLISTIC COMPOSITE MATERIAL
Floor	FLOOR AREAS ARE ARMORED WITH MULTI-PLY RIGID BALLISTIC FRAGMENTATION MATERIAL COMBINED WITH KEVLAR MOLDED TO FORM FIT CONTOURS OF FLOOR BOARDS AND PANELS. DESIGNED TO DEFEAT THE FOLLOWING HAND GRENADES AND ALL LESSER EXPLOSIVES. TWO DM 51 (GERMAN NORM) HAND GRENADES PER SQ.M. DETONATED SIMULTANEOUSLY
Opaque Areas	<p>PROTECTS AGAINST SOFT CORE PROJECTILES FIRED WITH THE FOLLOWING AND ALL LESSER WEAPONS AT 90° AND 45° (ROOF) IMPACT ANGLE IN ACCORDANCE WITH CEN.</p> <ol style="list-style-type: none"> <li>1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS</li> <li>2. CALIBRE 5.45 X 39.5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74</li> <li>3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855</li> <li>4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, "FAL" / "LAR" NATO RIFLE</li> </ol>
Transparent Areas	<p>PROTECTES AGAINST SOFT CORE PROJECTILES FIRED WITH THE FOLLOWING AND ALL LESSER WEAPONS AT 90° IMPACT ANGLE IN ACCORDANCE WITH CEN.</p> <ol style="list-style-type: none"> <li>1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS</li> <li>2. CALIBRE 5.45 X 39,5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74</li> <li>3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855</li> <li>4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, (FN) "FAL" / "LAR" NATO RIFLE</li> </ol>



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Transparent Areas Ballistic Properties	<table border="1"> <thead> <tr> <th data-bbox="711 310 862 373">TYPE OF WEAPON</th> <th data-bbox="878 310 1029 373">CALIBER</th> <th data-bbox="1045 310 1235 373">BULLET</th> <th data-bbox="1252 310 1385 373">IMPACT SPEED</th> </tr> </thead> <tbody> <tr> <td data-bbox="711 373 862 594">RIFLE (E.G.: FAL G1)</td> <td data-bbox="878 373 1029 594">7.62 X 51, 305 MM LAY</td> <td data-bbox="1045 373 1235 594">STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD</td> <td data-bbox="1252 373 1385 594">830 + 10 M/S</td> </tr> <tr> <td data-bbox="711 594 862 951">RIFLE (E.G.: US M16)</td> <td data-bbox="878 594 1029 951">5.56 X 45, 178 MM LAY</td> <td data-bbox="1045 594 1235 951">COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109</td> <td data-bbox="1252 594 1385 951">950 + 10 M/S</td> </tr> </tbody> </table>	TYPE OF WEAPON	CALIBER	BULLET	IMPACT SPEED	RIFLE (E.G.: FAL G1)	7.62 X 51, 305 MM LAY	STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD	830 + 10 M/S	RIFLE (E.G.: US M16)	5.56 X 45, 178 MM LAY	COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109	950 + 10 M/S
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Certification	<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>												
Suspension & Braking System	<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>												
Extra Security Equipment Fitted as	<b>REINFORCED HINGES:</b> SPECIALLY DESIGNED REINFORCED STRENGTHENED HEAVY DUTY												



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<p>a Standard to Vehicle</p>	<p>DOOR HINGES A MINIMUM OF TWO EXTRA HINGES PER DOOR  <b>PROTECTED FUEL TANK:</b> COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS WITH LEVEL CEN B6.UTILIZING ARMORED STEEL  <b>PROTECTED VEHICLE MANAGEMENT SYSTEM (BLACK BOX):</b> COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS UTILIZING LEVEL CEN B6. WITH ARMORED STEEL  <b>RUN-FLAT TIRE SYSTEM:</b> 50 KM DISTANCE AT 50 Km/H SPEED.  <b>REAR CARGO:</b> 100% PROTECTION AGAINST FOREIGN PROJECTILES AND SPLINTERS. THE TRANSPARENT ARMOUR AREA PROVIDES REAR VIEW VISION WITH MINIMAL OBSTRUCTION.  <b>VEHICLE SUSPENSION STABILISING BARS:</b> ROBUST HEAVY DUTY HARD WEARING COIL SYSTEM. OEM COMFORT STANDARDS ARE MAINTAINED WITH THIS FEATURE.</p>
<p>Optional Security Extras</p>	<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>
<p>Service Package</p>	<p>Local Service Provided in Iraq (Baghdad, at Camp Victory &amp; Camp Brooklyn and for all other</p>



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	locations in Iraq like Mosul, Tikrit, Basrah and Balad a team of engineers & 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 & service for ballistic and non ballistic needs
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.



**SAMPLE (Pictures doesn't reflect car type)**

		
REAR HATCH DOOR	BATTERY COMPARTMENT	DOORS
		
ROOF	FRONT COMPARTMENT	RUNFLATS