



Ford Excursion 2005



Technical Specs: All Technical Specs are before vehicle armoring

Engine

Standard Engine	6.8L V10 / 6.0L V8
Standard Transmission	4 Speed Automatic / 5 speed Automatic
Cylinders	10 / 8
Horsepower @ RPM	310@4250 / 325@3300
Fuel Economy Cty/Hwy	N/A / N/A
Combined Fuel Economy	N/A
EPA Class	Four Wheel Drive SUV
Number of Valves	20 / 32
Torque @ RPM	425@3250
Fuel Type/System	Gas Engine / Diesel Engine / Sequential Electronic Fuel Injected
Turbo (yes/no)	No
Overdrive Transmission	Yes



Engine Continued

Battery Output	N/A
Compression	9.0
Displacement	6751 / 415
Bore X Stroke	3.55x4.16
Cruising Range	N/A
Final Drive Gear Ratio Opt	4.30
Power To Weight Ratio	23.2
Final Drive Ratio	3.73
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)	48.0
Fuel Capacity	44.0
Passenger Volume (EPA)	N/A
Passenger Volume (MFR)	Not Listed
Box/Cargo Height	Not Listed
Box/Cargo Length	64.0
Box/Cargo Width (Wheel)	52.2
Box/Cargo Width (Wall)	55.8
GVWR Standard	8900
GVWR Maximum	8900
Payload Standard	1710
Payload Maximum	1710
Seating (Standard)	8
Seating (Optional)	N/A
Tow Capacity (Standard)	Not Listed
Tow Capacity (Maximum)	Not Listed
Headroom (Front)	41.0
Headroom (Row 2)	41.1
Hiproom (Front)	67.5
Hiproom (Row 2)	66.9



Capacity & Volume Continued

Legroom (Front)	42.3
Legroom (Row 2)	40.5
Shoulder Room (Front)	68.3
Shoulder Room (Row 2)	67.0
Seating (Maximum)	8
Headroom (Row 3)	38.6
Hiproom (Row 3)	52.5
Legroom (Row 3)	39.0
Shoulder Room (Row 3)	64.9

Exterior Dimensions & Weight

Curb Weight MT	N/A
Curb Weight AT	7190
Ground Clearance	8.1
Height	80.2
Length	226.7
Top Type (Standard)	Hard Fixed
Top Type (Optional)	Not Applicable
Track (Front)	68.4
Track (Rear)	68.1
Weight Distribution AT (Front)	50
Weight Distribution AT (Rear)	50
Weight Distribution MT (Front)	N/A
Weight Distribution MT (Rear)	N/A
Wheelbase	137.1
Width	79.9
Doors (Standard)	4
Doors (Maximum)	4



Standard Features: All Standard Features

Transmission

- 5-Speed TorqShift(TM) Automatic Transmission With Overdrive
- Adaptive Automatic Transmission

Steering

- Power Speed Sensitive Variable Assist Recirculating Ball Steering
- Tilt Steering Wheel

Suspension

- Live Mono Beam Front Suspension With Coil Springs
- Live Rear Suspension With Leaf Springs
- Front Stabilizer Bar

Electrical

- Audio Prewiring
- 6G Heavy Duty Alternator
- 2 Cargo Area Power Outlets
- Front Cigarette Lighter With Ashtray
- Dual 78-Amp/Hour, 750 Cold Cranking Amp Batteries
- Battery Saver
- 3 Front Power Outlets, 1 Power Outlet Integrated With Cigarette Lighter

Braking & Traction

- Electronic Shift-On-The-Fly Part-Time 4-Wheel Drive
- Automatic Locking Hubs With Manual Override
- 2-Speed Transfer Case
- 4-Wheel Anti-Lock Brakes
- Hydro-Boost Front Disc and Rear Disc Brakes
- Electronic Brake Assistance

Safety

- Reverse Sensing System Electronic Parking Aid
- Driver Airbag
- Front Passenger Airbag
- Automatic Locking Retractors
- Fuel Pump Shut-Off Switch
- L A T C H
- Front and Second Row Seatbelt Height Adjusters



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- Front and Rear Outboard 3-Point Seatbelts
- Front Pretensioners
- Side Guard Door Beams

Anti-Theft & Locks

- Child Safety Door Locks Located On Rear Doors
- Power Door Locks With Automatic Locking
- SecuriLock(TM) Vehicle Anti-Theft Via Engine Immobilizer

Remote Controls & Remote Releases

- Keyless Entry Operated Via Key Fob or Door Keypad
- Multi-Function Remote Operates Door Lock/Unlock and Illuminated Entry

Seats

- Front Driver Power Seat Adjusts 6 Ways Total
- Premium Leather Seats
- Front Dual Power Reclining Captains Chairs With Adjustable Seat Height, Integral Headrests and Fold-Down Armrests
- Third Row Removable Folding Bench Seat
- Front Dual Manual Lumbar Support
- Front Power Passenger Seat Adjusts 6 Ways Total
- Second Row 60/40 Reclining Split Bench Seat With Tip/Slide Feature, Center Fold-Down Armrest and Outboard Headrests

Storage

- Lockable and Illuminated Glovebox
- Lower Console Storage Located On Floor With Woodgrain Top
- Roof Rack
- Overhead Console Storage
- Cargo Area Tiedowns
- Up To 8 Cupholders Total
- Door Mounted Storage

Instrumentation

- Cruise Control
- Steering Wheel Mounted Controls For Cruise Control
- Compass
- Trip Computer
- Oil Pressure Gauge
- Battery Gauge
- Digital Clock



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- Belt-Minder(TM)
- Tachometer

Interior Lighting

- Interior Load Area Light
- Illuminated Entry
- Front and Second Row Map Lights

Exterior Lighting

- Automatic Headlights
- Front Foglights
- Halogen Headlights

Entertainment, Communication & Navigation

- Radio Antenna
- AM/FM Radio With 80-Watts and 6 Speakers Total; Cassette Player With Dolby(R) B Noise Reduction; Single Disc CD Player
- Second Row Sound Controls For Audio

Heating, Ventilation & Air Conditioning

- Rear Air Conditioning Unit
- Rear Air Conditioning Controls
- Automatic Climate Control
- Rear Heating and Air Conditioning Ducts

Interior, Design, Decor & Floor Covering

- Second Row Carpeted Floor Mats
- Leather Steering Wheel
- Power Adjustable Foot Pedals
- Two-Tone Instrument Panel
- Interior Spare Tire Cover
- Front Carpeted Floor Mats
- Carpet Located In Passenger Cabin and Cargo Area
- Door Trim Panels Include Soft Armrests, Upper Woodgrain Insert, Carpet On Lower

Doors

- Tri-Panel Door(R) Dutch Doors



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Wheels & Tires

- Premium Alloy Wheels, 16-In. X 7-In.
- SBRLT265/75ER16 OWL, All-Terrain Tires
- Full-Size Spare Tire
- Cargo Area Mounted Spare Tire

Windows, Mirrors & Wipers

- Privacy Glass
- Electrochromic Interior Rearview Mirror
- Power Side Vent Windows
- Dual Power Adjustable Heated Signaling Folding Exterior Rearview Mirrors
- Flip-Up Liftgate Window
- Front Dual Illuminated Vanity Mirrors
- Power Windows With Driver Side One-Touch Down
- Rear Window Defroster
- Front Dual Cloth Sunvisors
- Front Intermittent Vehicle Speed Sensitive Windshield Wipers
- Rear Intermittent Windshield Wiper/Washer

Exterior, Design, Paint & Finish

- Painted Arizona Beige Front Bumper With Arizona Beige Top Cap
- Illuminated Arizona Beige Running Boards
- Rear Step Up Bumper
- Painted Arizona Beige Rear Bumper With Arizona Beige Step Pad
- Metallic Paint (If Selected)
- Paint Stripe

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.



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- 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.



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- 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

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
Body Doors	PILLAR POSTS, SIDE PANELS, KICK-PANELS, FIREWALL, AND HEADERS (LATERALS) ARE ARMORED WITH BALLISTIC COMPOSITE



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	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"> 1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS 2. CALIBRE 5.45 X 39.5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74 3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855 4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, "FAL" / "LAR" NATO RIFLE
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"> 1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS 2. CALIBRE 5.45 X 39,5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74 3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855 4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, (FN) "FAL" / "LAR" NATO RIFLE



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<p>Transparent Areas Ballistic Properties</p>	<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 1382 373">IMPACT SPEED</th> </tr> </thead> <tbody> <tr> <td data-bbox="711 384 862 594">RIFLE (E.G.: FAL G1)</td> <td data-bbox="878 384 1029 594">7.62 X 51, 305 MM LAY</td> <td data-bbox="1045 384 1235 594">STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD</td> <td data-bbox="1252 384 1382 594">830 + 10 M/S</td> </tr> <tr> <td data-bbox="711 604 862 953">RIFLE (E.G.: US M16)</td> <td data-bbox="878 604 1029 953">5.56 X 45, 178 MM LAY</td> <td data-bbox="1045 604 1235 953">COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109</td> <td data-bbox="1252 604 1382 953">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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<p>Certification</p>	<ul style="list-style-type: none"> • H. P. WHITE LABORATORIES U.S.A • UNITED STATES LABORATORY <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 & Braking System</p>	<p>REAR STABILISER BAR UPGRADED TO A HEAVY DUTY MODEL</p> <p>BRAKING SYSTEM IS FULLY MODIFIED TO PERFORM UNDER ADDITIONAL ARMoured VEHICLE BODY.</p> <p>TIRES AND RIMS FITTED ARE FULLY APPROVED FOR THE HIGHER VEHICLE WEIGHT RATIO ACCORDING TO TÜV / MOT (DOT EQUIVALENT) TYPE RECOMMENDATIONS AND LEGAL REQUIREMENTS.</p> <p>MODIFICATIONS ARE CARRIED OUT TO ASSURE THAT THE VEHICLE PASSES THE VERY EXACT GERMAN TYPE APPROVAL.</p>												



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<p>Extra Security Equipment Fitted as a Standard to Vehicle</p>	<p>REINFORCED HINGES: SPECIALLY DESIGNED REINFORCED STRENGTHENED HEAVY DUTY DOOR HINGES A MINIMUM OF TWO EXTRA HINGES PER DOOR</p> <p>PROTECTED FUEL TANK: COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS WITH LEVEL CEN B6.UTILIZING ARMORED STEEL</p> <p>PROTECTED VEHICLE MANAGEMENT SYSTEM (BLACK BOX): COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS UTILIZING LEVEL CEN B6. WITH ARMORED STEEL</p> <p>RUN-FLAT TIRE SYSTEM: 50 KM DISTANCE AT 50 Km/H SPEED.</p> <p>REAR CARGO: 100% PROTECTION AGAINST FOREIGN PROJECTILES AND SPLINTERS. THE TRANSPARENT ARMOUR AREA PROVIDES REAR VIEW VISION WITH MINIMAL OBSTRUCTION.</p> <p>VEHICLE SUSPENSION STABILISING BARS: 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"> • ALARM SIREN • BATTERY PROTECTION • BEACON CONNECTOR • BULL BAR • CENTRAL DOOR LOCKING • FIRE EXTINGUISHER SYSTEM • FLAG POLES • FOG LAMPS • HEAVY DUTY CAR JACK • 10 TON WRENCH • 4 WINDOW OPERABLE LIFTERS • INTERCOM / PUBLIC ADDRESSING SYSTEM • MAGNETIC BEACON <ul style="list-style-type: none"> • RADIO/CD COMBINATION • STALK MOUNTED MAP READING LAMP
<p>Service Package</p>	<p>Local Service Provided in Baghdad, at Camp Victory & Camp Brooklyn,For all other locations in Iraq like Mosul, Tikrit, Basrah and Balad a team of engineers & technicians will be sent on secure military bases, All the above have the ability to conduct full warranty, maintenance & service for</p>



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	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	