

**Group 3E RECOGNITION DOCUMENT**

**Updated 24<sup>th</sup> June 2010**

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



**1. GENERAL**

101. Manufacturer **FORD MOTOR COMPANY**
102. Commercial name(s) - Model and type **BF / BF II XR8 Sedan**
103. Engine capacity **5408** cm<sup>3</sup> Corrected engine capacity **5408 x 1 = 5408** cm<sup>3</sup>
104. Type of car construction
- a) Type  separate chassis  **monocoque**

b) Material of chassis / bodyshell

**STEEL**

106. Number of seats **5**

**2. DIMENSIONS, WEIGHT**

- Minimum Racing Weight **1646** kg
202. Overall length **4936** mm ± 1 %
203. Maximum overall width **1864** mm ± 1 % Where measured **B-PILLAR**
204. Width of bodywork
- a) At front axle **1820** mm ± 1 %
- b) At rear axle **1860** mm ± 1 %
206. Wheelbase **2829** mm ± 1 %
207. Maximum track
- a) Front **1553** mm
- b) Rear **1571** mm

**Make** Ford

**Model**

BF/BFII XR8

SPC Recognition Document

**3-09-007**

**3. ENGINE** (In case of rotary engine, see Art. 335 on additional form)

301. Location and position of the engine **FRONT/ LONGITUDINAL**

302. Number of mounts **2**

Engine in its compartment

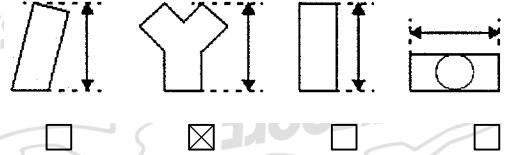


304. Supercharging  yes  no

Type and number of compressors

**N/A**

305. Number and layout of cylinders **8 @ 90-DEGREES**



312. Cylinder block material **CAST IRON**

310. Compression ratio **9.5: 1**

313. Sleeves a)  yes  no b) Material

c)  wet  dry

314. Bore **90.2+0/- 0.1 mm**

316. Stroke **105.8+0/- 0.1 mm**

321. Cylinderhead a) Number **2** b) Material **ALUMINIUM**

324. Fuel feed by injection : a) Make **VISTEON** b) Model **PCM**

f) Position of injectors

f1)  Manifold  Cylinderhead

325. Camshaft a) Number **4** b) Location

**CYLINDER HEADS**

c) Drive system **CHAIN** f) Type of valve operation

**ROLLER FINGER FOLLOWER**

327. Intake

a) Material of manifold **ALUMINIUM ALLOY**

b) Number of manifold elements **2** c) Number of valves per cylinder **2**

328. Exhaust

a) Material of manifold **TUBULAR STEEL**

b) Number of manifold elements **2**

d) Number of valves per cylinder **2**



**Make** Ford

**Model**

BF/BFII XR8

SPC Recognition Document

**3-09-007**

p) External Diameter of exhaust pipe between manifold and first silencer **60** mm ± 5%

**330. Ignition system**

a) Type

**COIL ON PLUG**

b) Number of plugs per cylinder **1**

c) Number of distributors

**N/A**

d) Number of coils

**8**

**331 Cooling system**

Capacity

**13.3** l

**332. Cooling fan**

a) Number

**2**

b) Diameter of the fan

**330/330** mm

c) Material of the fan

**PLASTIC**

d) Number of blades

**6 / 6**

e) Type of drive

**ELECTRIC**

f) Automatic cut in

yes  no

**333. Lubrication system**

a) Type

**WET SUMP**

c) Total capacity

**6.5** L

e) Location of the cooler(s)

**N/A**

f) Type of the cooler(s)

**N/A**

**4. FUEL CIRCUIT**

**401. Fuel tank**

b) Location

**UNDER LEFT REAR PASSENGER FLOOR**

d) Total capacity

**68** L

**402. Fuel pump(s)**

a)

Electrical  Mechanical

b) Number

**1**

d) Location

**IN TANK**

Fuel Pressure \_\_\_\_\_

**5. ELECTRICAL EQUIPMENT**

**502. Alternator**

a) Number

**1**

b) Type

**VISTEON**

c) Drive system

**RUBBER BELT**

d) Nominal max current

**130** Amp

**503. Retractable headlights**

a)

yes  no

b) Control system

**N/A**

**6. POWER TRAIN**

**601. Driven wheels**

front

yes  no

rear

yes  no

**602. Clutch**

a) Type

**SELF ADJUSTING DIAPHRAM SPRING**

b) Control system

**HYDRAULIC / PEDAL ACTUATION**





**Make** **Ford**

**Model**

**BF/BFII XR8**

**SPC Recognition Document**

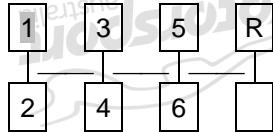
**3-09-007**

**603. Gearbox**

- a) Location **REAR ENGINE**      b) Make **TREMEC**  
 c) Type and location of control **H-PATTERN / CABIN FLOOR**  
 e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	—	<u>2.97:1</u>	—	—
2	—	<u>1.78:1</u>	—	—
3	—	<u>1.30:1</u>	—	—
4	—	<u>1.00:1</u>	—	—
5	—	<u>0.80:1</u>	—	—
6	—	<u>0.63:1</u>	—	—
R	—	<u>2.90:1</u>	—	—
Constant	—	—	—	—

f) Gear change gate



g) Type of lubrication **Splash**

**604. Transfer box / Centre differential**

- a) Ratios **N/A**  
 c) Control system of transfer box **N/A**      d) Type of central differential **N/A**

**605. Final drive**

a) Type of final drive

b) Ratio

f) Oil Cooler

g) Cooler Type

	Front	Rear
a) Type of final drive	<b>N/A</b>	<b>IRS / HYPOID - LSD</b>
b) Ratio	<b>N/A</b>	<b>3.46:1</b>
f) Oil Cooler	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
g) Cooler Type	<b>N/A</b>	<b>N/A</b>

**606. Shafts**

- a) Type of longitudinal shafts **2-PIECE**  
 b) Material of longitudinal shafts **STEEL**  
 c) Type of transversal half-shafts **SOLID SHAFT / CV-JOINT**  
 d) Material of transversal half-shafts **STEEL**



**Make** **Ford**

**Model**

**BF/BFII XR8**

**SPC Recognition Document**

**3-09-007**

**7. SUSPENSION**

**701. General**

	Front	Rear
a) Type of suspension	<b><u>INDEPENDENT</u></b>	<b><u>INDEPENDENT</u></b>
702. Helical springs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>
703. Leaf springs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b><u>N/A</u></b>	<b><u>N/A</u></b>
704. Torsion bars	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	<b><u>N/A</u></b>	<b><u>N/A</u></b>

**705. Other type of suspension**

*See description on additional form*

**706. Stabiliser**

	Front	Rear
b) Effective diameter	<b><u>25</u></b> ±0.2 mm	<b><u>19</u></b> ±0.2mm
c) Material	<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

**707. Suspension Dampers**

	Front	Rear
a) Number per wheel	<b><u>1</u></b>	<b><u>1</u></b>
b) Type	<b><u>TELESCOPIC</u></b>	<b><u>TELESCOPIC</u></b>
c) Principle of operation	<b><u>HYDRAULIC</u></b>	<b><u>HYDRAULIC</u></b>

**8. WHEELS**

**801. Wheels**

	Front	Rear
a) Diameter	<b><u>18"</u></b>	<b><u>18"</u></b>
b) Width	<b><u>8"</u></b>	<b><u>8"</u></b>
c) Offset	<b><u>+36</u></b> mm	<b><u>+36</u></b> mm



**Make** **Ford**

**Model**

**BF/BFII XR8** SPC Recognition Document

**3-09-007**

**803. Brakes**

- a) Braking system
- b) Number of master cylinders
- c) Servo-brakes

**HYDRAULIC**

**1**

yes  no

c1) Make and type **PBR**

	Front	Rear
e) Number of cylinders per wheel	<b>2</b>	<b>1</b>
f) <b>Drum brakes</b>		
f1) Internal diameter	<b>N/A</b> ± 1.5 mm	<b>N/A</b> ± 1.5 mm
f2) Number of linings per wheel	<b>N/A</b>	<b>N/A</b>
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<b>2</b>	<b>2</b>
g2) Number of calipers per wheel	<b>1</b>	<b>1</b>
g3) Caliper material	<b>Aluminium Alloy</b>	<b>Aluminium Alloy</b>
g4) Thickness of new disc	<b>32</b> ± 1 mm	<b>28</b> ± 1 mm
g5) External diameter of the disc	<b>366</b> ± 1.5 mm	<b>329</b> ± 1.5 mm
g9) Ventilated discs	X yes <input type="checkbox"/> no	X yes <input type="checkbox"/> no

h) Parking brake

h1) Control system

**HAND OPERATED LEVER**

h2) Location of lever

**CENTRE INTERIOR**

h3) On which wheels

Front  Rear

**804. Steering**

- a) Type
- b) Servo-assistance

	Front	Rear
a) Type	<b>RACK &amp; PINION</b>	<b>N/A</b>
b) Servo-assistance	X yes <input type="checkbox"/> no	<input type="checkbox"/> yes X no
Type of Assistance	<b>HYDRAULIC</b>	<b>N/A</b>

**9. BODYWORK**

**901. Interior**

- a) Ventilation
- c) Air Conditioning

yes  no  
 yes  no

b) Heating

yes  no

f) Optional sun roof

yes  no

f1) Type

**N/A**

f2) Control system

**N/A**

g) Opening system for side windows

Front	Rear
<b>ELECTRIC</b>	<b>ELECTRIC</b>



Make **Ford**

Model

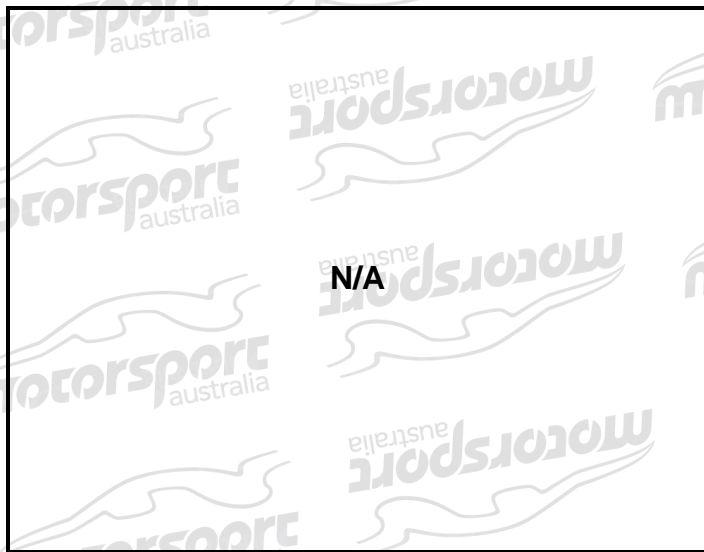
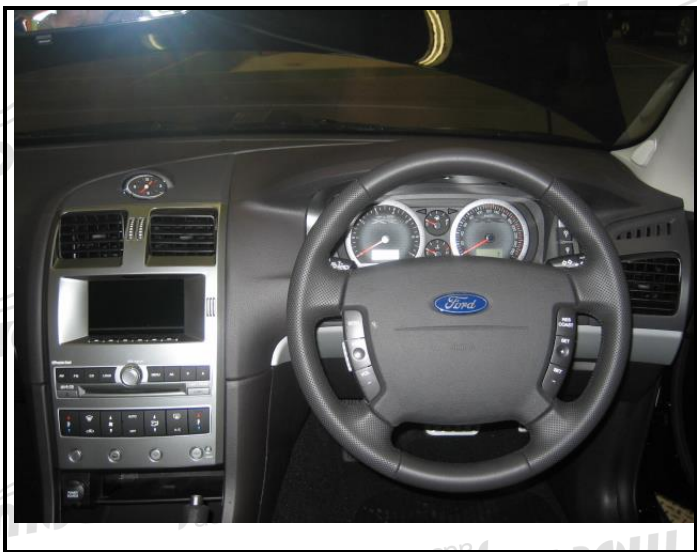
BF/BFII XR8 SPC Recognition Document

Recognition N°

3-09-007

X) Dashboard

Y) Sunroof



902. Exterior

a) Number of doors **4**

b) Tailgate  yes  no

Front	Rear
<b><u>STEEL</u></b>	<b><u>STEEL</u></b>

c) Door material

d) Front bonnet material **STEEL**

e) Rear bootlid / tailgate material **STEEL**

f) Bodywork material **STEEL**

h) Rear window material **GLASS**

i) Rear quarter window material **GLASS**

Front	Rear
<b><u>GLASS</u></b>	<b><u>GLASS</u></b>
<b><u>PLASTIC</u></b>	<b><u>PLASTIC</u></b>
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

k) Side window material

l) Material of bumper

n) Exterior Rear wiper





**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
1	Sill Skirt extension – LHS & RHS	Plastic
2	Rear Skirt Sill extension – LHS & RHS	Plastic
3	Rear Bumper	Plastic
4	Front Bumper	Plastic
5	External Side Mirror – LHS & RHS	Plastic
6	Front & Rear Door Handles – LHS & RHS	Plastic
7	Rear / Boot Spoiler	Plastic





**COMPLEMENTARY INFORMATION**

