

**Group 3E Recognition Document**

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



**1. GENERAL**

101. Manufacturer

**HOLDEN LTD**

102. Commercial name(s) - Model and type

**COMMODORE VF SSV, SSV REDLINE, SSV CL EDITION**

103. Engine capacity

**5967 cm<sup>3</sup>** Corrected engine capacity **5967 x 1 = 5967 cm<sup>3</sup>**

104. Type of car construction

a) Type

<input type="checkbox"/> separate chassis	<input checked="" type="checkbox"/> monocoque
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b) Material of chassis / bodyshell

**STEEL**

106. Number of seats

**5**

**2. DIMENSIONS, WEIGHT**

Minimum Racing Weight

**1626 kg**

202. Overall length

**4966 mm ± 1 %**

203. Maximum overall width

**2100 mm ± 1 %** Where measured **EXTERIOR SIDE MIRRORS**

204. Width of bodywork

a) At front axle **1880 mm ± 1 %**

b) At rear axle **1898 mm ± 1 %**

206. Wheelbase **2915 mm ± 1 %**

207. Maximum track

a) Front **1590 mm**

b) Rear **1584 mm**

Make **Holden** Model **Commodore VF SSV, SSV Redline, SSV CL Edition**

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

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

302. Number of mounts **2**

Engine in its compartment



304. Supercharging  yes  no

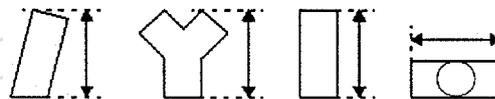
Maximum manifold pressure **N/A**

Type and number of compressors **N/A**

305. Number and layout of cylinders **8 / 90° V**

312. Cylinder block material **ALUMINIUM ALLOY**

310. Maximum compression ratio **10.4 : 1**



313. Sleeves a)  yes  no b) Material **STEEL** c)  wet  dry

314. Bore **101.6** +0/- 0.1 mm

316. Stroke **92** +0/- 0.1 mm

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

324. Fuel feed by injection : a) Make **GM** b) Model **DELPHI**

f) Position of Injectors:

f1)  Manifold  Cylinderhead

325. Camshaft a) Number **1** b) Location **CYLINDER BLOCK**

c) Drive system **CHAIN** f) Type of valve operation **PUSHROD AND ROCKER**

327. Intake

a) Material of manifold **PLASTIC**

b) Number of manifold elements **1** c) Number of valves per cylinder **1**



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**328. Exhaust**

- a) Material of manifold **CAST IRON**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder **1**
- p) External Diameter of exhaust pipe between manifold and first silencer **58.7** mm ± 5%

**330. Ignition system**

- a) Type **ELECTRONIC**
- b) Number of plugs per cylinder **1**
- c) Number of distributors **0**
- d) Number of coils **8**

**331. Cooling system**

Capacity **11** L

**332. Cooling fan**

- a) Number **2**
- b) Diameter of the fan \_\_\_\_\_ mm
- c) Material of the fan **PLASTIC**
- d) Number of blades \_\_\_\_\_
- e) Type of drive **ELECTRIC**
- f) Automatic cut in 

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**333. Lubrication system**

- a) Type **WET SUMP**
- b) Number of oil pumps **1**
- c) Total capacity **8.2** L
- e) Location of the cooler(s) **NA**
- f) Type of the cooler(s) **NA**

**4. FUEL CIRCUIT**

**401. Fuel tank**

- b) Location **UNDER REAR PASSENGER FLOOR**
- d) Total capacity **73** L

**402. Fuel pump(s)**

- a) 

<input checked="" type="checkbox"/> Eleectrical	<input type="checkbox"/> Mechanical
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- b) Number **1**
- d) Location **FUEL TANK**

Fuel Pressure

**5. ELECTRICAL EQUIPMENT**

**502. Alternator**

- a) Number **1**
- b) Type **SC2**
- c) Drive system **BELT**
- d) Nominal power **155** Amp

**503. Retractable headlights**

- a) 

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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- b) Control system **N/A**

**6. POWER TRAIN**

**601. Driven wheels**

- front 

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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- rear 

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**602. Clutch**

- a) Type **DIAPHRAM**
- b) Control system **HYDRAULIC**



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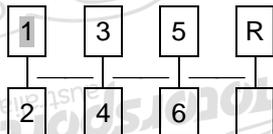
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**603. Gearbox**

- a) Location **MID CENTRAL**      b) Make **TREMEC**  
 c) Type and location of control **H PATTERN FLOOR SHIFT**  
 e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>3.01</u>	_____	<u>Y</u>
2	_____	<u>2.07</u>	_____	<u>Y</u>
3	_____	<u>1.43</u>	_____	<u>Y</u>
4	_____	<u>1.00</u>	_____	<u>Y</u>
5	_____	<u>0.84</u>	_____	<u>Y</u>
6	_____	<u>0.57</u>	_____	<u>Y</u>
R	_____	_____	_____	<u>Y</u>
Constant	_____	_____	_____	_____

f) Gear change gate



**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>HYPOLID</b>
b) Ratio	<b>N/A</b>	<b>3.45:1</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 **HOLLOW 2 PIECE**  
 b) Material of longitudinal shafts **STEEL**  
 c) Type of transversal half-shafts **SOLID**  
 d) Material of transversal half-shafts **STEEL**



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**7. SUSPENSION**

**701. General**

Front		Rear	
<b>INDEPENDENT MCPHERSON STRUT</b>		<b>DOUBLE A</b>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<b>STEEL</b>		<b>STEEL</b>	

a) Type of suspension

**702. Helical springs**

a) Material

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

b) Effective diameter

c) Material

Front	Rear
<b>26 mm</b>	<b>18 mm</b>
<b>STEEL</b>	<b>STEEL</b>

**707. Suspension Dampers**

a) Number per wheel

b) Type

c) Principle of operation

Front	Rear
<b>1</b>	<b>1</b>
<b>TELESCOPIC</b>	<b>TELESCOPIC</b>
<b>HYDRAULIC</b>	<b>HYDRAULIC</b>

**8. WHEELS**

**801. Wheels**

a) Diameter

b) Width

c) Offset

Front	Rear
<b>18"</b>	<b>18"</b>
<b>8"</b>	<b>8"</b>
<b>+48 mm</b>	<b>+48 mm</b>

**803. Brakes**

a) Braking system

b) Number of master cylinders

c) Servo-brakes

**HYDRAULIC**

**1**

yes  no

c1) Make and type

**HOLDEN**



**Make** Holden **Model** Commodore VF SSV, SSV Redline, SSV CL Edition

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	Front	Rear
e) Number of cylinders per wheel	<u>2</u>	<u>1</u>
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<u>2</u>	<u>2</u>
g2) Number of calipers per wheel	<u>1</u>	<u>1</u>
g3) Caliper material	<u>Aluminium alloy</u>	<u>Aluminium alloy</u>
g4) Thickness of new disc	<u>30 ± 1 mm</u>	<u>22 ± 1 mm</u>
g5) External diameter of the disc	<u>321 ± 1.5 mm</u>	<u>324 ± 1.5 mm</u>
g9) Ventilated discs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no

h) Parking brake: h1) Control system **ELECTRIC**

h2) Location of lever **CENTER CONSOLE**

h3) On which wheels

<input type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear
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**804. Steering**

a) Type

b) Servo-assistance

Type of Assistance

Front		Rear	
<b><u>RACK AND PINION</u></b>		<b><u>N/A</u></b>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<b><u>ELECTRIC</u></b>		<b><u>N/A</u></b>	

**9. BODYWORK**

**901. Interior**

a) Ventilation

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no

b) Heating

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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c) Air Conditioning

f) Optional sun roof

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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f1) Type **YES**

f2) Control system **ELECTRIC**

g) Opening system for side windows

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

X) Dashboard

Y) Sunroof



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902. Exterior

a) Number of doors **4**

b) Tailgate

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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Front	Rear
<u>STEEL</u>	<u>STEEL</u>

c) Door material

d) Front bonnet material STEEL

f) Bodywork material STEEL

i) Rear quarter window material GLASS

e) Rear bootlid / tailgate material STEEL

h) Rear window material GLASS

Front	Rear
<u>GLASS</u>	<u>GLASS</u>
<u>PLASTIC</u>	<u>PLASTIC</u>

k) Side window material

l) Material of bumper

n) Exterior Rear wiper

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
92293841	Front Facia	Plastic
92280816	Rear Facia	Plastic
92162071	LH Rocker Panel Molding	Plastic
92162072	RH Rocker Panel Molding	Plastic





**GROUP 3E**  
**Series Production Cars**  
**Recognition Documents**

**OPTION VARIANT EXTENSION FORM**

The use of components shown on this form is optional, unless further restrictions are noted in the Form.

This form is applicable to the homologated vehicle only when competing in the Group/Field as listed above

Where a discrepancy exists between the components/information shown on the present form and that shown on the basic Homologation Document, the information on the present form shall take precedence

Vehicle Manufacturer : **Holden**

Model and type : **COMMODORE VF SSV, SSV REDLINE, SSV CL EDITION**

Homologation valid as from : 11 April 2017

**803. Brakes**

a) Braking system

**HYDRAULIC**

b) Number of master cylinders

**1**

c) Servo-brakes

yes  no

c1) Make and type

**BREMBO / HOLDEN**

**SSV Redline**

	Front	Rear
e) Number of cylinders per wheel	<b>4</b>	<b>1</b>
g) Disc brakes	<b>2</b>	<b>2</b>
g1) Number of pads per wheel	<b>1</b>	<b>1</b>
g2) Number of calipers per wheel	<b>Aluminium alloy</b>	<b>Aluminium alloy</b>
g3) Caliper material	<b>30 ± 1 mm</b>	<b>22 ± 1 mm</b>
g4) Thickness of new disc	<b>321 ± 1.5 mm</b>	<b>324 ± 1.5 mm</b>
g5) External diameter of the disc	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g9) Ventilated discs		

**SSV CL EDITION**

	Front	Rear
e) Number of cylinders per wheel	<b>4</b>	<b>4</b>
g) Disc brakes	<b>2</b>	<b>2</b>
g1) Number of pads per wheel	<b>1</b>	<b>1</b>
g2) Number of calipers per wheel	<b>Aluminium alloy</b>	<b>Aluminium alloy</b>
g3) Caliper material	<b>30 ± 1 mm</b>	<b>22 ± 1 mm</b>
g4) Thickness of new disc	<b>355 ± 1.5 mm</b>	<b>360 ± 1.5 mm</b>
g5) External diameter of the disc		

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g9) Ventilated discs	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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**8. WHEELS**

**OPTIONS FOR VF COMMODORE SSV, SSV-REDLINE, SSV CL EDITION**

**801. Wheels**

a) Diameter

Front	Rear
<b>19"</b>	<b>19"</b>

b) Width

<b>8.5"</b>	<b>9"</b>
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c) Offset

<b>+48 mm</b>	<b>+57 mm</b>
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**801. Wheels**

a) Diameter

Front	Rear
<b>20"</b>	<b>20"</b>

b) Width

<b>8.5"</b>	<b>9"</b>
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c) Offset

<b>+48 mm</b>	<b>+57 mm</b>
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