

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 **HSV CLUBSPORT R8**

103. Engine capacity **6162** cm³ Corrected engine capacity **6162 x 1 = 6162** cm³

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 **1610** kg

202. Overall length **4991** mm ± 1 %

203. Maximum overall width **2099** mm ± 1 % Where measured **EXTERIOR SIDE MIRRORS**

204. Width of bodywork

a) At front axle	<u>1880</u> mm ± 1 %
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b) At rear axle	<u>1898</u> mm ± 1 %
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206. Wheelbase **2915** mm ± 1%

207. Maximum track

a) Front	<u>1616</u> mm	b) Rear	<u>1590</u> mm
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Make **HSV**

Model **Clubsport R8 VF MY16**

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 **10.7 : 1**

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

314. Bore **103.25** +/- 0.1 mm

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

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

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

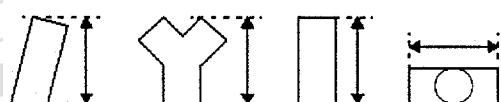
f) Position of Injectors:

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"/> Electrical	<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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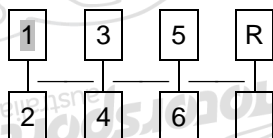
Model Clubsport R8 VF MY16

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	N/A	HYPLOID
b) Ratio	N/A	3.7:1
f) Oil Cooler	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
g) Cooler Type	N/A	N/A

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**



7. SUSPENSION

701. General

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

702. Helical springs

a) Material

705. Other type of suspension

See description on additional form

706. Stabiliser

Front	Rear
Effective diameter <u>26</u> mm	Effective diameter <u>18</u> mm
Material <u>STEEL</u>	Material <u>STEEL</u>

b) Effective diameter

c) Material

707. Suspension Dampers

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

a) Number per wheel

b) Type

c) Principle of operation

8. WHEELS

801. Wheels

Front	Rear
Diameter <u>20</u>"	Diameter <u>20</u>"
Width <u>9</u>"	Width <u>10</u>"
Offset <u>+36</u> mm	Offset <u>+57</u> mm

a) Diameter

b) Width

c) Offset

803. Brakes

a) Braking system

HYDRAULIC

b) Number of master cylinders

1

c) Servo-brakes

yes no

c1) Make and type

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	Front	Rear
e) Number of cylinders per wheel	6	4
g) Disc brakes		
g1) Number of pads per wheel	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	Aluminium alloy	Aluminium alloy
g4) Thickness of new disc	35.5 ± 1 mm	28 ± 1 mm
g5) External diameter of the disc	390 ± 1.5 mm	372 ± 1.5 mm
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	
<u>RACK AND PINION</u>		<u>N/A</u>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
<u>ELECTRIC</u>		<u>N/A</u>	

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
<u>ELECTRIC</u>	<u>ELECTRIC</u>

X) Dashboard

Y) Sunroof



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902. Exterior

a) Number of doors **4**

b) Tailgate

yes

no

c) Door material

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

d) Front bonnet material

ALUMINUM

e) Rear bootlid / tailgate material

ALUMINUM

f) Bodywork material

STEEL

h) Rear window material

GLASS

i) Rear quarter window material

GLASS

k) Side window material

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

l) Material of bumper

PLASTIC

PLASTIC

n) Exterior Rear wiper

yes

no

XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material
1	Front Facia	Plastic
2	Rear Facia	Plastic
3	LH Rocker Panel Molding	Plastic
4	RH Rocker Panel Molding	Plastic
5	Spare Wheel Well	Plastic
6	Optional Rear Wing	Plastic

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Model Clubsport R8 VF MY16

1. Front Facia



2. Rear Facia



3. 4. Rocker Panel (L/R)



5. Spare Wheel well



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Model Clubsport R8 VF MY16

6. Rear Wing

