

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

separate chassis

monocoque

b) Material of chassis / bodyshell

STEEL

106. Number of seats

5

2. DIMENSIONS, WEIGHT

Tare Weight

1714 kg

RVD CPA Number. 44667-102355

Minimum Racing Weight

1644 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

1880 mm ± 1 %

b) At rear axle

1898 mm ± 1 %

206. Wheelbase **2915 mm ± 1%**

207. Maximum track

a) Front **1616 mm**

b) Rear **1590 mm**

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**

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**

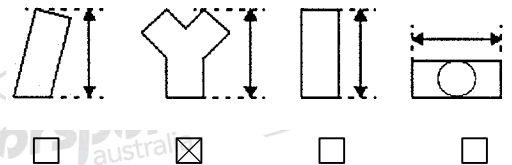
f) Position of Injectors:

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



Make **HSV** Model **Clubsport R8 VF MY16**

- a) Material of manifold **PLASTIC**
- b) Number of manifold elements **1**
- c) Number of valves per cylinder **1**

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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Make HSV

Model Clubsport R8 VF MY16

602. Clutch

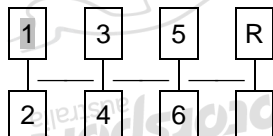
- a) Type **DIAPHRAM**
- b) Control system **HYDRAULIC**

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

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

a) Type of suspension

702. Helical springs

a) Material

705. Other type of suspension

See description on additional form

706. Stabiliser

Front		Rear	
26 mm		18 mm	
STEEL		STEEL	

b) Effective diameter

c) Material

707. Suspension Dampers

Front		Rear	
1		1	
TELESCOPIC		TELESCOPIC	
HYDRAULIC		HYDRAULIC	

a) Number per wheel

b) Type

c) Principle of operation

8. WHEELS

801. Wheels

Front		Rear	
20"		20"	
9"		10"	
+36 mm		+57 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

HOLDEN

	Front	Rear
e) Number of cylinders per wheel	<u>6</u>	<u>4</u>
g) Disc brakes		
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	Aluminium alloy	Aluminium alloy
g4) Thickness of new disc	<u>35.5 ± 1 mm</u>	<u>28 ± 1 mm</u>
g5) External diameter of the disc	<u>390 ± 1.5 mm</u>	<u>372 ± 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

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>	

b) Servo-assistance

Type of Assistance

9. BODYWORK

901. Interior

a) Ventilation

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

c) Air Conditioning

b) Heating

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

Make **HSV**

Model **Clubsport R8 VF MY16**

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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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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

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



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5	Spare Wheel Well	Plastic
6	Optional Rear Wing	Plastic



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Make HSV
australia

Model Clubsport R8 VF MY16

1. Front Facia



2. Rear Facia



3. 4. Rocker Panel (L/R)



5. Spare Wheel well



Make HSV
australia

Model Clubsport R8 VF MY16

Recognition N°

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6. Rear Wing



ERRATA:

Version 3-18-021

Added Tare Weight and RVD CPA Number

Updated Minimum Racing Weight