

GROUP 3E RECOGNITION DOCUMENT

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

HOLDEN SPECIAL VEHICLES

102. Commercial name(s) - Model and type

VF COMMODORE GTS

103. Engine capacity

6162 cm³ Corrected engine capacity **10.325 x 9.20 = 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

Tare Weight **1830** kg

RVD CPA Number. 44667-103356

Minimum Racing Weight **1750** kg

202. Overall length **4988** mm ± 1 %

203. Maximum overall width **1898** mm ± 1 % Where measured **REAR AXLE CENTRELINE**

204. Width of bodywork

a) At front axle **1873** 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 (incl 5mm tolerance)

Make **Holden Special Vehicle**

Model **VF Commodore GTS**

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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

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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Maximum manifold pressure **0.92 BAR**

Type and number of compressors **ROOTS TYPE, 4 LOBE, EATON X 1 (1.9L/REV)**

305. Number and layout of cylinders **8 VEE**

312. Cylinder block material **ALUMINIUM (CAST)**

310. Maximum compression ratio **9.1 : 1**



<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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313. Sleeves

a) <input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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b) Material **CAST IRON**

c) <input type="checkbox"/> wet	<input checked="" type="checkbox"/> dry
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314. Bore **103.25** +/- 0.1 mm

316. Stroke **92.0** +/- 0.1 mm

321. Cylinder head

a) Number **2** b) Material **ALUMINIUM**

324. Fuel feed by injection : a) Make **BOSCH** b) Model **0280158187**

f) Position of Injectors:

f1) Manifold Cylinder head

325. Camshaft

a) Number **1** b) Location **ENGINE BLOCK**
 c) Drive system **SPROCKET/CHAIN** f) Type of valve operation **PUSHROD/ROCKER**

327. Intake

a) Material of manifold **ALUMINIUM**
 b) Number of manifold elements **2 (COUNTING INTERCOOLER TOP COVER)**
 c) Number of valves per cylinder **1**



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328. Exhaust

- a) Material of manifold **STAINLESS STEEL**
- b) Number of manifold elements **2**
- d) Number of valves per cylinder **1**
- p) External Diameter of exhaust pipe between manifold and first silencer **63.5 mm ± 5%**

330. Ignition system

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

331. Cooling system

Capacity **10.2 L**

332. Cooling fan

- a) Number **2**
- b) Diameter of the fan **340 mm**
- c) Material of the fan **PLASTIC**
- d) Number of blades **5**
- e) Type of drive **ELECTRIC MOTOR**
- f) Automatic cut in yes no

333. Lubrication system

- a) Type **WET SUMP**
- b) Number of oil pumps **1**
- c) Total capacity **7.6 L**
- e) Location of the cooler(s) **SIDE OF BLOCK**
- f) Type of the cooler(s) **OIL TO WATER (ENGINE)**

4. FUEL CIRCUIT

401. Fuel tank

- b) Location **UNDER FLOOR (REAR SEAT)**
- d) Total capacity **71 L**

402. Fuel pump(s)

- a) Eleectrical Mechanical
- b) Number **1 (PRESSURE PUMP)**
- d) Location **IN TANK**
- Fuel Pressure **400 KPA**

5. ELECTRICAL EQUIPMENT

502. Alternator

- a) Number **1**
- b) Type **ROTOR/STATOR ELECTRO MAGNET**
- c) Drive system **BELT**
- d) Nominal power **140 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 **TWIN PLATE**
- b) Control system **HYDRAULIC**



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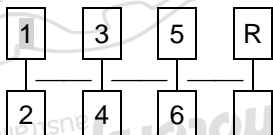
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603. Gearbox

- a) Location **BEHIND ENGINE**
- b) Make **TREMEC**
- c) Type and location of control **LEVEL, CABIN FLOOR**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>2.66</u>	y	y
2	_____	<u>1.78</u>	y	y
3	_____	<u>1.30</u>	y	y
4	_____	<u>1.00</u>	y	y
5	_____	<u>0.80</u>	y	y
6	_____	<u>0.63</u>	y	y
R	_____	<u>2.90</u>	y	y
Constant	_____	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

f) Gear change gate



604. Transfer box / Centre differential

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

605. Final drive

	Front	Rear
a) Type of final drive	<u>N/A</u>	<u>LSD</u>
b) Ratio	_____	<u>3.73:1</u>
f) Oil Cooler	<input type="checkbox"/> yes	<input type="checkbox"/> no
	<input type="checkbox"/> yes	<input type="checkbox"/> no
g) Cooler Type	_____	<u>OIL TO OIL HEAT EXCHANGER</u>

606. Shafts

- a) Type of longitudinal shafts **2PIECE PROP SHAFT WITH CENTRAL BEARING**
- b) Material of longitudinal shafts **STEEL**
- c) Type of transversal half-shafts **SOLID WITH CV JOINTS**
- d) Material of transversal half-shafts **STEEL**



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7. SUSPENSION

701. General

a) Type of suspension

Front	Rear
<u>MCPHERSONSTRUT</u>	<u>MULTI LINK</u>
<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
<u>SPRING STEEL</u>	<u>SPRING STEEL</u>
<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
_____	_____

702. Helical springs

a) Material

703. Leaf springs

a) Material

704. Torsion bars

a) Material

705. Other type of suspension

See description on additional form

706. Stabiliser

b) Effective diameter

c) Material

Front	Rear
<u>26</u> mm	<u>22</u> mm
<u>SPRING STEEL</u>	<u>SPRING STEEL</u>

707. Suspension Dampers

a) Number per wheel

b) Type

c) Principle of operation

Front	Rear
<u>1</u>	<u>1</u>
<u>MONOTUBE</u>	<u>MONOTUBE</u>
<u>ELECTRONIC CONTROL</u>	<u>ELECTRONIC CONTROL</u>

8. WHEELS

801. Wheels

a) Diameter

b) Width

c) Offset

Front	Rear
<u>20"</u>	<u>20"</u>
<u>8.5"</u>	<u>9.5"</u>
<u>36</u> mm	<u>57</u> mm

803. Brakes

a) Braking system

b) Number of master cylinders

c) Servo-brakes

c1) Make and type

HYDRAULIC
2
 yes no
TRW DIAGONAL SPLIT 27MM M/C



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	Front	Rear
e) Number of cylinders per wheel	<u>6</u>	<u>4</u>
f) Drum brakes		
f1) Internal diameter	<u>N/A</u>	<u>N/A</u>
f2) Number of linings per wheel	<u>N/A</u>	<u>N/A</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	<u>ALUMINIUM</u>	<u>ALUMINIUM</u>
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 **ELEC (EPB)**

h2) Location of lever **CENTRE CONSOLE (SWITCH)**

<input type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear
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h3) On which wheels

Effet sur roues

804. Steering

a) Type

Front		Rear	
<u>ELEC</u>		<u>N/A</u>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
<u>ELEC MOTOR</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

SLIDING GLASS

f2)

Control system

ELEC MOTOR

g) Opening system for side windows

Front	Rear
<u>ELEC</u>	<u>ELEC</u>



X) Dashboard



Y) Sunroof



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

ALUMINIUM

e) Rear boot lid / tailgate material

ALUMINIUM

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>POLYPROPYLENE</u>	<u>POLYPROPYLENE</u>

l) Material of bumper

n) Exterior Rear wiper

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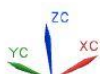
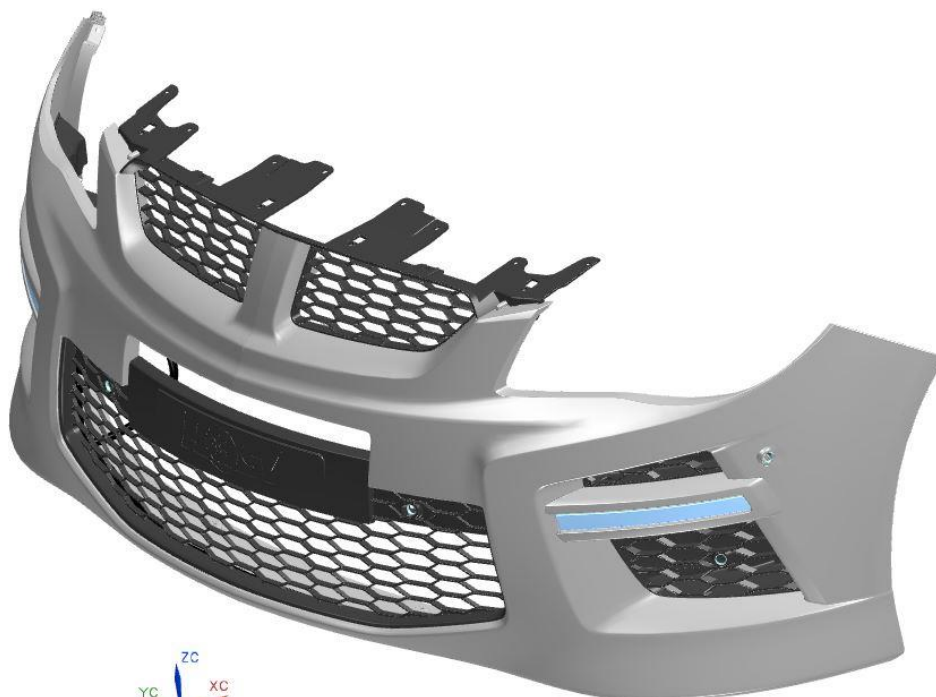
XIII) NON METALLIC PARTS OF THE BODY

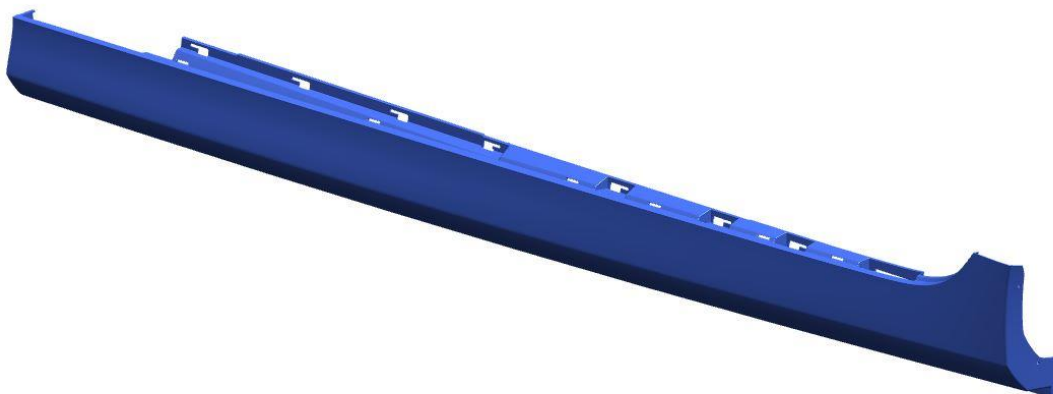
Number	Part	Material
HSV -14A-113060	Front Fascia Assembly	Polypropylene
HSV-14A-2130602	Rear Fascia Assembly	Polypropylene
HSV-A08-060601	Side Skirts	Polypropylene
HSV-92254993	Exterior Rear View Mirror	Polypropylene
HSV-E08-130701	Front Fender Vent	Polypropylene
HSV-E08-130702	Rear Spoiler	Polypropylene
HSV-E08-149901	Rear Spoiler - Optional	Polypropylene
HSV-92263268	Panel - Flat Floor	Polypropylene
HSV-12E-130602	Tail Lamp	Polypropylene
HSV-14A-2130701	Rear Undertray	Polypropylene

Front Fascia Assembly

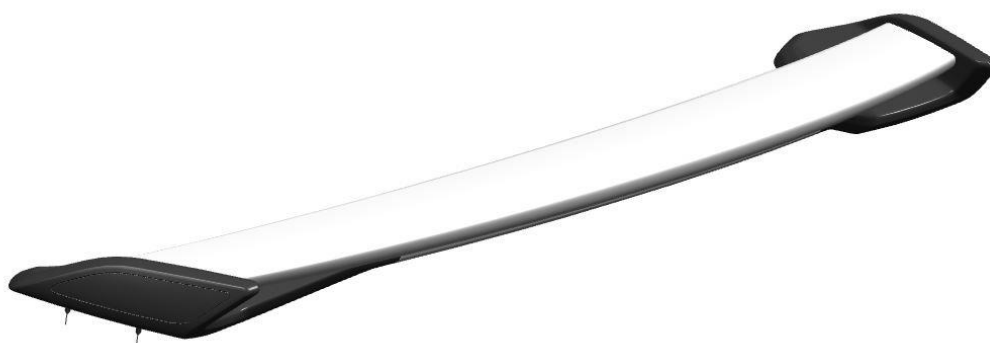
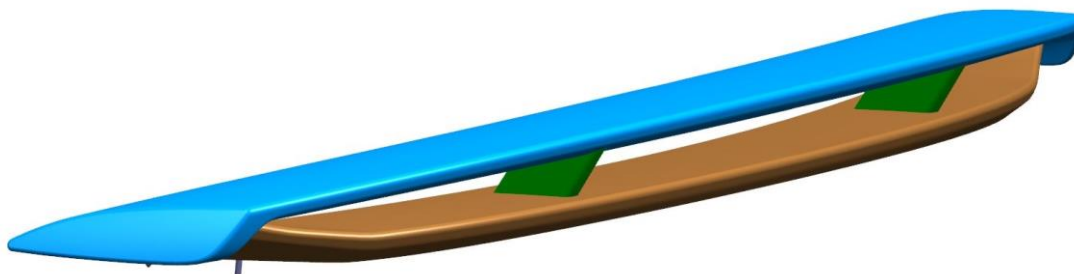
Part Number: HSV -14A-113060

Material: Polypropylene - PP.



Rear Fascia Assembly**Part Number : HSV-14A-2130602****Material: Polypropylene – PP.****Side Skirts****Part Number: HSV-A08-060601****Material: Polypropylene – PP.**

Exterior Rear View Mirror**Part Number:** 92254993 LH and 92254994 RH**Material:** Polycarbonate / Acrylonitrile Butadiene Styrene – PC/ABS.**Front Fender Vent****Part Number:** HSV-E08-130701**Material:** Polypropylene + Ethylene Propylene Diene Monomer - PP+EPDM

Rear Spoiler**Part Number:** HSV-E08-130702**Material:** Polycarbonate / Acrylonitrile Butadiene Styrene – PC/ABS.**Rear Spoiler - Optional****Part Number:** HSV-E08-149901**Material:** Polycarbonate / Acrylonitrile Butadiene Styrene – PC/ABS.**Panel - Flat Floor****Part Number:** HSV - 92263268**Material:** Sheet Moulding Compound – SMC.



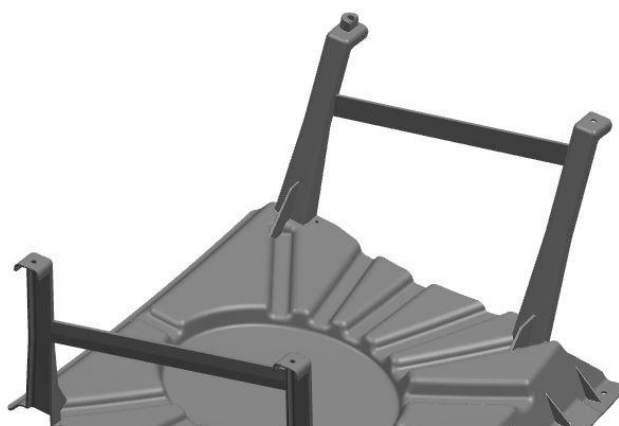
Tail Lamp

Part Number: HSV- 12E-130602

Material: Polycarbonate / Acrylonitrile Butadiene Styrene – PC/ABS.



**Re
Pa
Ma**



Drawing / photo required



COMPLEMENTARY INFORMATION



AMC Variant Option

Approved Substitute Component

8. WHEELS

801. Wheels

a) Diameter

Front	Rear
18"	18"

b) Width

10"	10"
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c) Offset

TBA mm	TBA mm
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d) Manufacturer

RIM STOCK
PRO FORGED

e) Model

Substitute Wheel



ERRATA:

Version 3-14-006B

Added Tare Weight and RVD CPA Number
Updated Minium Racing Weight