

GROUP 3E
Series Production Cars
Recognition Document

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

separate chassis

monocoque

b) Material of chassis / bodyshell

STEEL

106. Number of seats

5
2. DIMENSIONS, WEIGHT

 Minimum Racing Weight **1723** 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

Make **Holden Special Vehicle**

Model **VF Commodore GTS**

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a) Front **1616** mm b) Rear **1590** mm (incl 5mm tolerance)

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

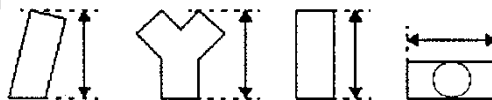
Maximum manifold pressure **0.92 BAR**

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**



313. Sleeves

a) yes no

b) Material **CAST IRON**

c) wet dry

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**

Make Holden Special Vehicle

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327. Intake

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

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

<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 **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)

<input checked="" type="checkbox"/> Eleectrical	<input type="checkbox"/> Mechanical
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- 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)

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

6. POWER TRAIN



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601. Driven wheels

front

yes no

rear

yes no

602. Clutch

a) Type

TWIN PLATE

b) Control system

HYDRAULIC

603. Gearbox

a) Location

BEHIND ENGINE

b)

Make

TREMEC

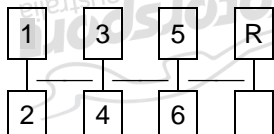
c) Type and location of control

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

a) Type of final drive

N/A

b) Ratio

f) Oil Cooler

yes

no

yes

no

g) Cooler Type

OIL TO OIL HEAT EXCHANGER

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



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d) Material of transversal half-shafts

STEEL

7. SUSPENSION

701. General

	Front	Rear
a) Type of suspension	<u>MCPHERSONSTRUT</u>	<u>MULTI LINK</u>
702. Helical springs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<u>SPRING STEEL</u>	<u>SPRING STEEL</u>
703. Leaf springs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	_____	_____
704. Torsion bars	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	_____	_____

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	<u>26</u> mm	<u>22</u> mm
c) Material	<u>SPRING STEEL</u>	<u>SPRING STEEL</u>

707. Suspension Dampers

	Front	Rear
a) Number per wheel	<u>1</u>	<u>1</u>
b) Type	<u>MONOTUBE</u>	<u>MONOTUBE</u>
c) Principle of operation	<u>ELECTRONIC CONTROL</u>	<u>ELECTRONIC CONTROL</u>

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	<u>20"</u>	<u>20"</u>
b) Width	<u>8.5"</u>	<u>9.5"</u>
c) Offset	<u>36</u> mm	<u>57</u> mm

803. Brakes

a) Braking system

HYDRAULIC

b) Number of master cylinders

2

c) Servo-brakes

yes no

c1) Make and type

TRW DIAGONAL SPLIT 27MM M/C



	Front	Rear
e) Number of cylinders per wheel	6	4
f) Drum brakes		
f1) Internal diameter	N/A	N/A
f2) Number of linings per wheel	N/A	N/A
g) Disc brakes		
g1) Number of pads per wheel	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	ALUMINIUM	ALUMINIUM
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 **ELEC (EPB)**

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

h3) On which wheels

Effet sur roues

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

9. BODYWORK

901. Interior

a) Ventilation

c) Air Conditioning

b) Heating

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

<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
ELEC	ELEC

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>

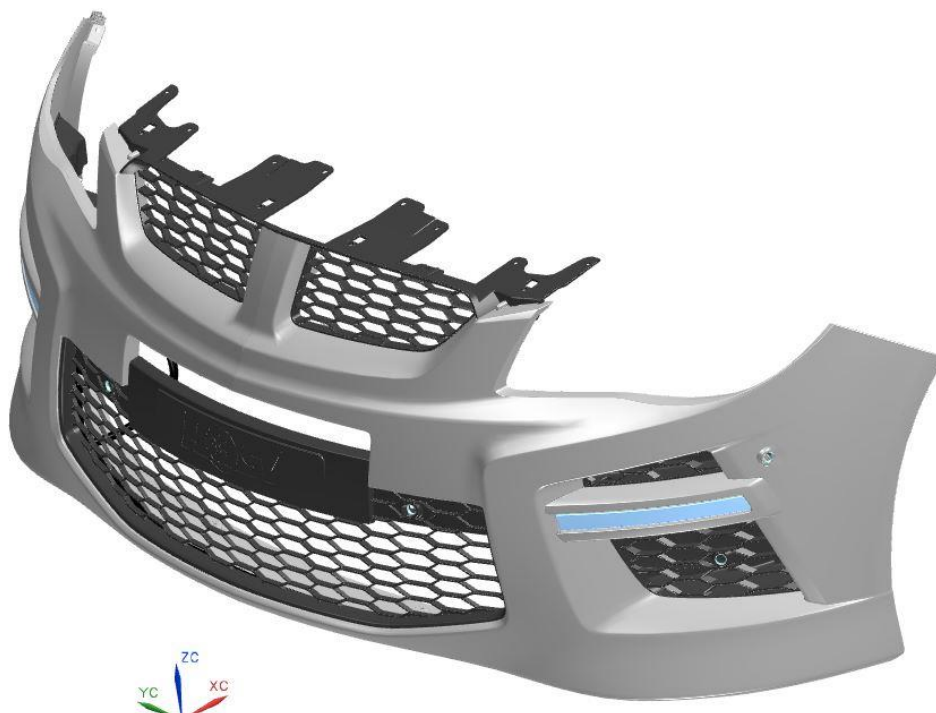
l) Material of bumper

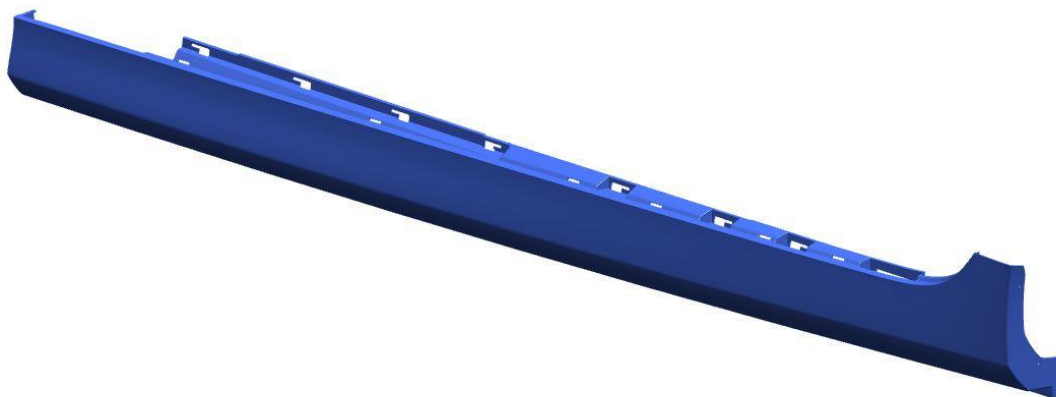
n) Exterior Rear wiper

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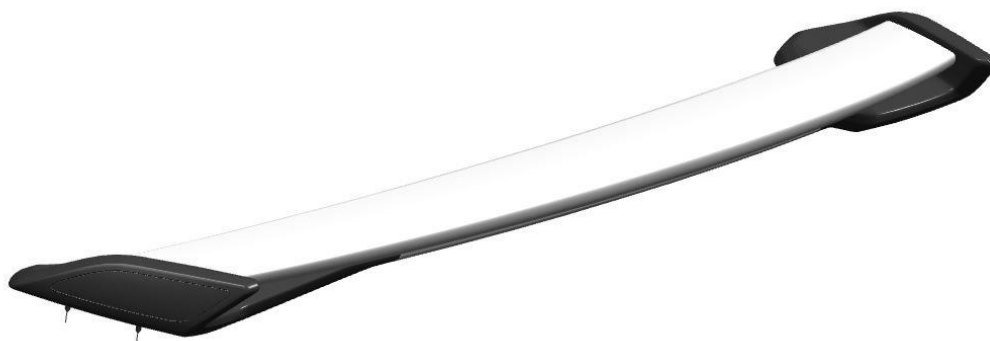
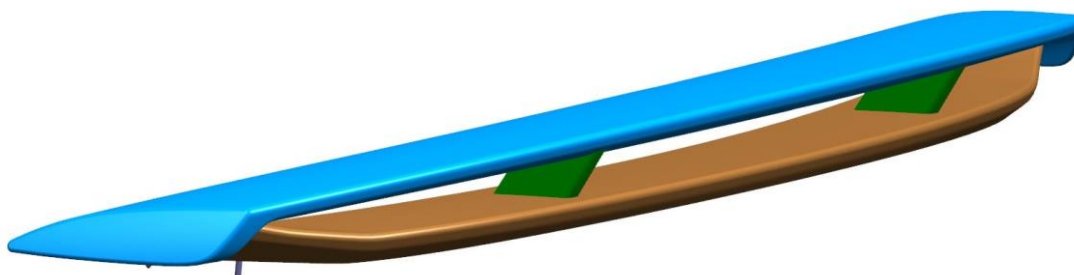
XIII) NON METALLIC PARTS OF THE BODY

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.**



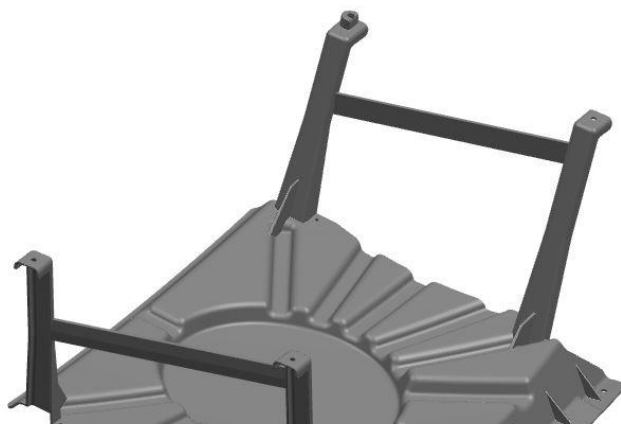
Tail Lamp

Part Number: HSV- 12E-130602

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



**Re
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Drawing / photo required



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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

