

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 (HSV)

102. Commercial name(s) - Model and type

GTS - E SERIES

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
---	---

b) Material of chassis / bodyshell

STEEL

106. Number of seats

5

2. DIMENSIONS, WEIGHT

Minimum Racing Weight **1665 kg**

202. Overall length **4943 mm ± 1 %**

203. Maximum overall width **1899 mm ± 1 %** Where measured **LESS MIRRORS**

204. Width of bodywork

a) At front axle **1899 mm ± 1 %**

b) At rear axle **1899 mm ± 1 %**

206. Wheelbase **2915 mm ± 1 %**

207. Maximum track

a) Front **1592 mm**

b) Rear **1590 mm**

Make HSV **Model** GTS – E Series

SPC Recognition Document

3-11-007

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

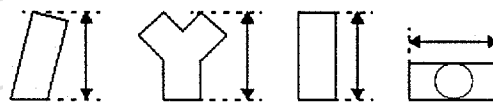
Maximum manifold pressure **N/A**

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

305. Number and layout of cylinders **V8**

312. Cylinder block material **ALUMINIUM ALLOY**

310. Maximum compression ratio **10.7 : 1**



313. Sleeves a) yes no

b) Material **N/A**

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 CASE**
 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**



Make HSV

Model GTS – E Series

SPC Recognition Document

3-11-007

328. Exhaust

- a) Material of manifold **STAINLESS STEEL**
- b) Number of manifold elements **1**
- d) Number of valves per cylinder **1**
- p) External Diameter of exhaust pipe between manifold and first silencer **78** 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 **11** L

332. Cooling fan

- a) Number **2**
- b) Diameter of the fan **350** mm
- c) Material of the fan **PLASTIC**
- d) Number of blades **9/7**
- e) Type of drive **ELECTRICAL**
- f) Automatic cut in

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

333. Lubrication system

- a) Type **WET SUMP**
- b) Number of oil pumps **1**
- c) Total capacity **8.3** L
- e) Location of the cooler(s) **N/A**
- f) Type of the cooler(s) **N/A**

4. FUEL CIRCUIT

401. Fuel tank

- b) Location **IN BOOT**
- d) Total capacity **73** L

402. Fuel pump(s)

- a)

<input checked="" type="checkbox"/> Elelectrical	<input type="checkbox"/> Mechanical
--	-------------------------------------
- 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
------------------------------	--
- b) Control system **N/A**

6. POWER TRAIN

601. Driven wheels

- front

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

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

602. Clutch

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



Make HSV

Model GTS – E Series

SPC Recognition Document

3-11-007

603. Gearbox

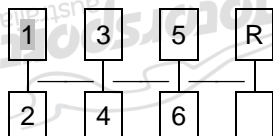
a) Location **MID CENTRAL** b) Make **TREMEC TR6060**

c) Type and location of control **H-PATTERN / FLOOR CENTRAL**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	3.01:1	_____	_____
2	_____	2.07:1	_____	_____
3	_____	1.43:1	_____	_____
4	_____	1.00:1	_____	_____
5	_____	0.84:1	_____	_____
6	_____	0.57:1	_____	_____
R	_____	_____	_____	_____
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

N/A

b) Ratio

N/A

f) Oil Cooler

yes

no

yes

no

g) Cooler Type

N/A

N/A

606. Shafts

a) Type of longitudinal shafts

2 PIECE HOLLOW

b) Material of longitudinal shafts

STEEL

c) Type of transversal half-shafts

SOLID

d) Material of transversal half-shafts

STEEL



Make **HSV**

Model **GTS – E Series**

SPC Recognition Document

3-11-007

7. SUSPENSION

701. General

	Front		Rear	
a) Type of suspension	MACPHERSON STRUT		MUTILINK IRS	
702. Helical springs	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	STEEL		STEEL	
703. Leaf springs	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	N/A		N/A	
704. Torsion bars	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	N/A		N/A	

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	26 mm	20 mm
c) Material	STEEL	STEEL

707. Suspension Dampers

	Front	Rear
a) Number per wheel	1	1
b) Type	TELESCOPIC	TELESCOPIC
c) Principle of operation	HYDRAULIC	HYDRAULIC

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	20"	20"
b) Width	8"	9.5"
c) Offset	+48 mm	+57 mm

803. Brakes

- a) Braking system
- b) Number of master cylinders

HYDRAULIC

1



Make HSV

Model GTS – E Series

SPC Recognition Document

3-11-007

c) Servo-brakes

yes no

c1) Make and type

PBR

	Front	Rear
e) Number of cylinders per wheel	<u>4</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 ALLOY</u>	<u>ALUMINIUM ALLOY</u>
g4) Thickness of new disc	<u>32 ± 1 mm</u>	<u>26 ± 1 mm</u>
g5) External diameter of the disc	<u>365 ± 1.5 mm</u>	<u>350 ± 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

CABLE

h2) Location of lever

CENTRE CONSOLE

Front Rear

804. Steering

a) Type

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

b) Servo-assistance

Type of Assistance

9. BODYWORK

901. Interior

a) Ventilation

yes no
 yes no

b) Heating

yes no

c) Air Conditioning

f) Optional sun roof

yes no

f1) Type

N/A

f2) Control system

N/A

g) Opening system for side windows

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



Make **HSV**

Model **GTS – E Series**

SPC Recognition Document

Recognition N°

3-11-007

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **4**

b) Tailgate

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

c) Door material

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

d) Front bonnet material

STEEL

e) Rear bootlid / tailgate material

STEEL

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
------------------------------	--

XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material

Drawing / photo required



COMPLEMENTARY INFORMATION



**Group 3E HOMOLOGATION FORM
PRODUCTION VARIANT**

102. Commercial name(s) - Model and type

GTS - E2 SERIES

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear

