

## Group 3E Recognition FORM

A) Vehicle seen from 3/4 front



B) Vehicle seen from 3/4 rear



### 1. GENERAL

101. Manufacturer **HYUNDAI**
102. Commercial name(s) - Model and type **VELOSTER SR TURBO**
103. Engine capacity **1591** cm<sup>3</sup> Corrected engine capacity **1591 x 1.7 = 2704** cm<sup>3</sup>
104. Type of car construction
- a) Type  separate chassis  monocoque
- b) Material of chassis / bodyshell **STEEL**
106. Number of seats **4**

### 2. DIMENSIONS, WEIGHT

- Tare Weight **1277** kg RVD CPA Number. **43553-976284**
- Minimum Racing Weight **1277** kg
202. Overall length **4250** mm ± 1 %
203. Maximum overall width **1805** mm ± 1 % Where measured **FRONT AXLE**
204. Width of bodywork
- a) At front axle **1805** mm ± 1 %
- b) At rear axle **1805** mm ± 1 %
206. Wheelbase **2650** mm ± 1 %
207. Maximum track

Make **HYUNDAI**

Model **VELOSTER SR TURBO**

a) Front **1557** mm      b) Rear **1570** mm

**3. ENGINE** (In case of rotary engine, see Art. 335 on additional form)

301. Location and position of the engine **FRONT EW**

302. Number of mounts **3**

Engine in its compartment



304. Supercharging

yes       no

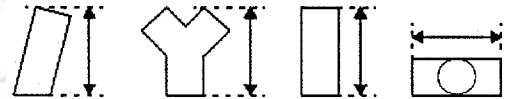
Maximum manifold pressure **1.2 BAR**

Type and number of compressors **1 TURBO CHARGER**

305. Number and layout of cylinders **4**

312. Cylinder block material **ALLOY**

310. Maximum compression ratio **9.5 : 1**



313. Sleeves

a)  yes       no

b) Material **CAST IRON**

c)  wet       dry

314. Bore **77** +/- 0.1 mm

316. Stroke **85** +/- 0.1 mm

321. Cylinderhead a) Number **1**

b) Material **ALLOY**

324. Fuel feed by injection : a) Make **HYUNDAI**

b) Model **TDGI**

f) Position of Injectors:

f1)  Manifold       Cylinderhead

325. Camshaft a) Number **2**  
c) Drive system **CHAIN**

b) Location **DOHC**  
f) Type of valve operation **DIRECT**

327. Intake

a) Material of manifold **PLASTIC**

b) Number of manifold elements **1**      c) Number of valves per cylinder **2**

Make **HYUNDAI**

Model **VELOSTER SR TURBO**

**328. Exhaust**

- a) Material of manifold **CAST IRON**  
 b) Number of manifold elements **1**  
 c) External Diameter of exhaust pipe between manifold and first silencer **75** mm ± 5%  
 d) Number of valves per cylinder **2**

**330. Ignition system**

- a) Type **ELECTRONIC/ECU**  
 b) Number of plugs per cylinder **1**  
 c) Number of distributors **NA**  
 d) Number of coils **4**

**331. Cooling system**

Capacity **8** L

**332. Cooling fan**

- a) Number **1**  
 b) Diameter of the fan **430** mm  
 c) Material of the fan **PLASTIC**  
 d) Number of blades **7**  
 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** L  
 e) Location of the cooler(s) **FRONT**  
 f) Type of the cooler(s) **VANE**

**4. FUEL CIRCUIT**

**401. Fuel tank**

- b) Location **UNDERFLOOR MID**  
 d) Total capacity **50** L

**402. Fuel pump(s)**

- a) 

<input checked="" type="checkbox"/> Eleectrical	<input type="checkbox"/> Mechanical
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 b) Number **2**  
 d) Location **FUEL TANK / ENGINE**  
 Fuel Pressure **275.79 KPA**

**5. ELECTRICAL EQUIPMENT**

**502. Alternator**

- a) Number **1**  
 b) Type **DC REGULATED**  
 c) Drive system **BELT**  
 d) Nominal power **130** Amp

**503. Retractable headlights**

- a) 

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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 b) Control system \_\_\_\_\_

**6. POWER TRAIN**

**601. Driven wheels**

- front 

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

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

Model VELOSTER SR TURBO

602. Clutch

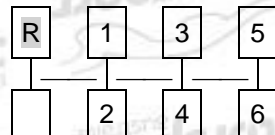
- a) Type **DRY SINGLE PLATE**
- b) Control system **HYDRAULIC**

603. Gearbox

- a) Location **RH OF ENGINE**
- b) Make **HYUNDAI**
- c) Type and location of control **FLOOR SHIFT**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<b><u>3.615</u></b>	_____	<b><u>Y</u></b>
2	_____	<b><u>1.962</u></b>	_____	<b><u>Y</u></b>
3	_____	<b><u>1.294</u></b>	_____	<b><u>Y</u></b>
4	_____	<b><u>0.976</u></b>	_____	<b><u>Y</u></b>
5	_____	<b><u>0.778</u></b>	_____	<b><u>Y</u></b>
6	_____	<b><u>0.633</u></b>	_____	<b><u>Y</u></b>
R	_____	<b><u>3.583</u></b>	_____	_____
Constant	_____		_____	_____

f) Gear change gate



604. Transfer box / Centre differential

- a) Ratios **NA**
- c) Control system of transfer box **NA**
- d) Type of central differential **NA**

605. Final drive

a) Type of final drive

b) Ratio

f) Oil Cooler

g) Cooler Type

Front		Rear	
<b><u>TRANSAXLE</u></b>		<b><u>NA</u></b>	
<b><u>4.467</u></b>		<b><u>NA</u></b>	
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
_____		_____	

606. Shafts

- a) Type of longitudinal shafts **NA**
- b) Material of longitudinal shafts **NA**
- c) Type of transversal half-shafts **CONSTANT VELOCITY**

**Make** HYUNDAI

**Model** VELOSTER SR TURBO

d) Material of transversal half-shafts **STEEL**

**7. SUSPENSION**

**701. General**

a) Type of suspension

	Front		Rear	
	<b><u>MCPHERSON STRUT</u></b>		<b><u>COUPLED TORSION BEAM AXLE</u></b>	
<b>702. Helical springs</b>	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	<b><u>STEEL</u></b>		<b><u>STEEL</u></b>	
<b>703. Leaf springs</b>	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material	_____		_____	
<b>704. Torsion bars</b>	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	_____		<b><u>STEEL</u></b>	

**705. Other type of suspension**

*See description on additional form*

**706. Stabiliser**

b) Effective diameter

c) Material

	Front	Rear
	<b><u>23</u></b> mm	<b><u>NA</u></b> mm
	<b><u>STEEL</u></b>	<b><u>NA</u></b>

**707. Suspension Dampers**

a) Number per wheel

b) Type

c) Principle of operation

	Front	Rear
	<b><u>1</u></b>	<b><u>1</u></b>
	<b><u>TELESCOPIC</u></b>	<b><u>TELESCOPIC</u></b>
	<b><u>HYDRAULIC</u></b>	<b><u>HYDRAULIC</u></b>

**8. WHEELS**

**801. Wheels**

a) Diameter

b) Width

c) Offset

	Front	Rear
	<b><u>18"</u></b>	<b><u>18"</u></b>
	<b><u>7.5"</u></b>	<b><u>7.5"</u></b>
	<b><u>49</u></b> mm	<b><u>49</u></b> mm

**Make HYUNDAI**

**Model VELOSTER SR TURBO**

**803. Brakes**

- a) Braking system
- b) Number of master cylinders
- c) Servo-brakes

**HYDRAULIC**

**1**

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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c1) Make and type

**HYUNDAI**

	Front	Rear
e) Number of cylinders per wheel	<b>1</b>	<b>1</b>
f) <b>Drum brakes</b>	_____	_____
f1) Internal diameter	_____	_____
f2) Number of linings per wheel	_____	_____
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<b>2</b>	<b>2</b>
g2) Number of calipers per wheel	<b>1</b>	<b>1</b>
g3) Caliper material	<b>ALLOY</b>	<b>ALLOY</b>
g4) Thickness of new disc	<b>28 ± 1 mm</b>	<b>10 ± 1 mm</b>
g5) External diameter of the disc	<b>300 ± 1.5 mm</b>	<b>262 ± 1.5 mm</b>
g9) Ventilated discs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

h) Parking brake: h1) Control system

**MECHANICAL**

h2) Location of lever

**CENTRE CONSOLE**

h3) On

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

Effet sur roues

**804. Steering**

- a) Type
  - b) Servo-assistance
- Type of Assistance

Front		Rear	
<b>RACK AND PINION</b>			
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
<b>ELECTRIC</b>		_____	

**9. BODYWORK**

**901. Interior**

- a) Ventilation
- c) Air Conditioning

<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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f) Optional sun roof

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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f1) Type \_\_\_\_\_

f2) Control system \_\_\_\_\_

g) Opening system for side windows

Front	Rear
<b>ELECTRIC</b>	<b>ELECTRIC</b>

Make **HYUNDAI**

Model **VELOSTER SR TURBO**

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **3**

b) Tailgate

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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c) Door material

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

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

**GLASS**

**GLASS**

l) Material of bumper

**PLASTIC**

**PLASTIC**

n) Exterior Rear wiper

yes

no

**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
	Front Bumper	Plastic
	Rear Bumper	Plastic
	Mirror Covers	Plastic
	Side Skirt	Plastic





Make HYUNDAI

Model VELOSTER SR TURBO

## COMPLEMENTARY INFORMATION

### Hyundai Options

1. Front Splitter – 865252V510



2. Side Skirts – 877522V510 Right, 877512V510 Left

