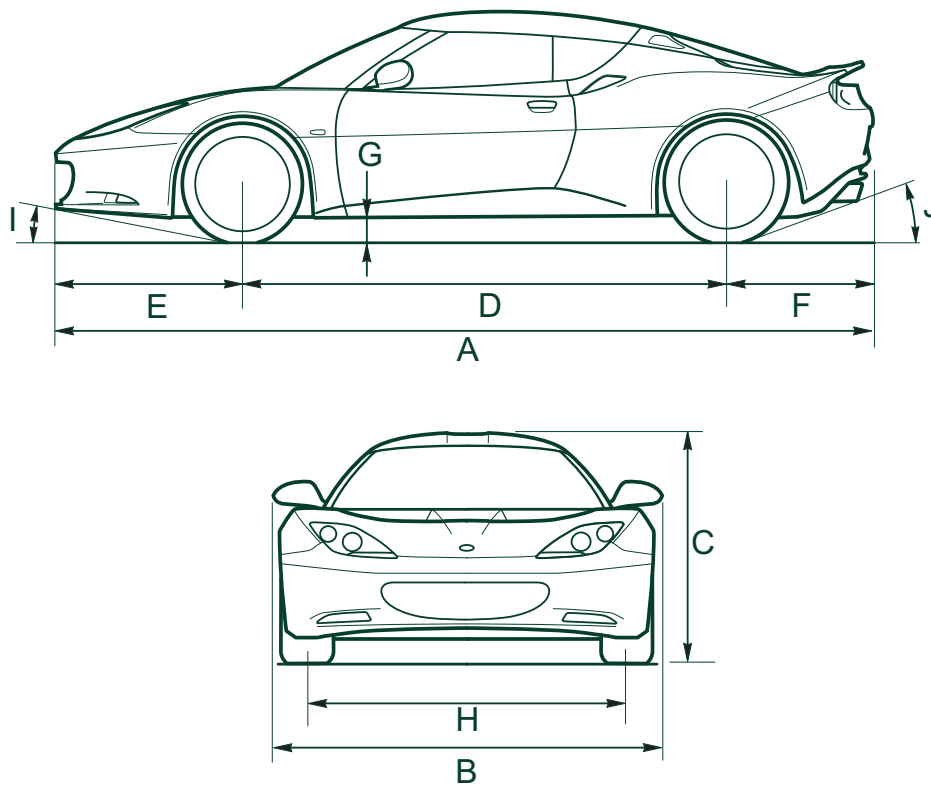




TECHNICAL DATA - VEHICLE

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DIMENSIONS

	Evora / Evora IPS	Evora S / Evora S-IPS
A. Overall length	4350 mm	4361 mm
B. Overall width	- excl. mirrors 1884 mm - incl. mirrors 1972 mm	
C. Overall height (mid-unladen)	1229 mm	
D. Wheelbase	2575 mm	
E. Front overhang	1000 mm	
F. Rear overhang	776 mm	786 mm
G. Ground clearance (mid-laden)	140 mm	
H. Track	- front 1564 mm - rear 1557 mm	
I. Approach (ramp) angle front	11.5°	
J. Approach (ramp) angle rear	22°	18.5°
Turning circle (between kerbs)	10.7 m	

Dimensions listed where different from base Evora

	Evora	Evora S	Evora IPS	Evora S-IPS		
Unladen weight						
Total	1382 kg	1436 kg	1436 kg	1442kg	>	inc. full
Front	526 kg	558 kg	555 kg	557kg	>	fuel tank
Rear	856 kg	878 kg	881 kg	885kg	>	
Max. weight						
Total	1782 kg	1836kg	1836kg	1842kg	>	incl.
Front	659 kg	679 kg	679 kg	718kg	>	occupants
Rear	1123 kg	1157 kg	1157 kg	1124kg		& luggage

Trailer towing Not permissible

**CAPACITIES, STANDARDS & APPROVED PRODUCTS**

Please see service notes section OK for information on fluid change intervals as well as track use conditions.

Engine oil**Evora**

Engine oil	- dry	- with heat exchanger	7.1 litre
		- w/o heat exchanger	6.8 litre
	- refill inc. filter, with/w/o heat exchanger		6.1 litre
	High/low dipstick mark difference		1.5 litre

Evora s

Engine oil	- dry	10.1 litre
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**Engine oil capacity is 6.1 litres but supercharged cars fitted with front mounted oil coolers contain an additional 4 litres of oil. This oil is not drained during routine servicing.*

Viscosity: ambient above -20°C
Quality Standard

SAE 5W/40 (Fully synthetic)
API SL/CF; ACEA A3/B3-04

High/low dipstick mark difference	1.5 litre
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Transmission oil (manual non supercharged)

Viscosity	SAE 75W/80
Quality standard	API GL-4
Approved product	Havoline Multigear MTF 75W-80 (semi-synthetic)

Transmission oil (manual supercharged)

Viscosity	SAE 75W/80
Quality Standard	API GL-4
Approved product	Havoline Multigear MTF HD 75W-80 (semi-synthetic)

Transmission oil (automatic IPS)

8.6 litre*

**Transmission and torque converter oil capacity is 5.3 litres, IPS non-supercharged cars are also fitted with front mounted oil coolers and hoses containing an additional 3.3 litres of oil. Not all of this oil can be drained during a routine transmission fluid change.*

Approved products
Toyota Genuine ATF WS Transmission oil
Exxon Mobil JWS 3324 Transmission oil

Brake system hydraulic fluid

Type	450 cc
Specification	Non-mineral (non-petroleum) hydraulic fluid DOT 4
Approved product	PETRONAS Tutela Top 4 brake fluid

Clutch system hydraulic fluid

Type	130 cc
Specification	Non-mineral (non-petroleum) hydraulic fluid DOT 4
Approved product	PETRONAS Tutela Top 4 brake fluid

Coolant

Antifreeze Type	17 litre (including 50% concentration of 8.5 litres of antifreeze) Ethylene glycol antifreeze with OAT corrosion inhibitors
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Colour
Approved product

Red
PETRONAS Paraflu Up

Power Steering System (PAS)

Type
Specification

1.5 litre
PAS or Automatic Transmission Fluid (ATF)
Dexron III

Refrigerant

Type

0.625 kg
R134a

Washer bottle

Approved product:

7 litre
PETRONAS Tutela SC35 windscreen washer fluid
Mixed as per the manufacturers recommendations as an insufficient concentration may result in the vehicles windscreen washers freezing in severe conditions.

Fuel tank

60 litre

WHEELS & TYRES**Tyres - Std**

Type
Size - front
- rear
Pressure (cold) - front
- rear

Pirelli P-Zero
225/40 ZR18
255/35 ZR19 96Y
2.3 bar (33.5 psi)
2.5 bar (36 psi)

Tyres - Optional

Type
Size - front
- rear
Pressure (cold) - front
- rear

Pirelli P-Zero Corsa
235/35 ZR19
275/30 ZR 20
2.4 bar (35 psi)
2.6 bar (38 psi)

Winter Tyres

Type
Size - front
- rear
Pressure (cold) - front
- rear

Yokohama W.drive V902 'LTS'
215/40 R18
245/35 R19
2.3 bar (33 lb/in²)
2.5 bar (36 lb/in²)

Tyre studding

Not permitted

Tyre chains
rear,

RUD-matic DISC snow chains, fitted only on the
and only on the approved winter tyres.

Wheels

Type - std
Size - front
- rear
Inset - front
- rear

Cast alloy or forged, 5-bolt fixing
8.0J x 18H2 ET52
9.5J x 19H2 ET69
+ 52 mm
+ 69 mm

Type - Optional
Size - front
- rear
Inset - front
- rear

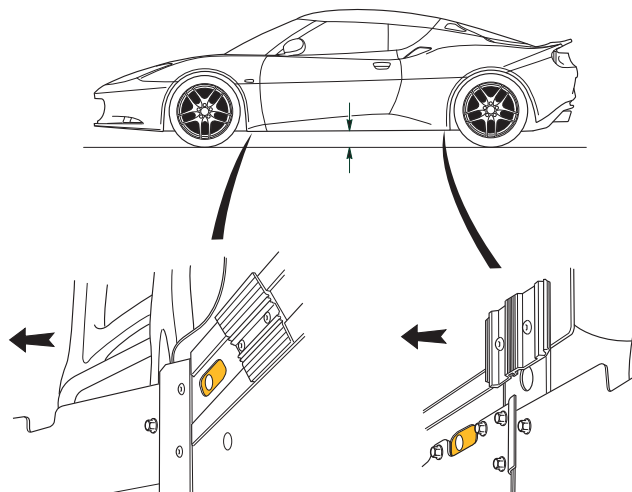
forged, 5-bolt fixing
8.0J x 19H2 ET55
9.5J x 20H2 ET69
+ 55 mm
+ 69 mm

Wheel bolt torque

105 Nm (77 lbf.ft)



Chassis ride height points



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FRONT SUSPENSION

Type

Independent. Upper and lower lightweight forged alloy wishbones; co-axial coil spring/telescopic damper unit; tubular anti-roll bar

Geometry

Mid-laden ride height (2 x 75 kg occupants + full fuel tank)

- set car to this height before measuring geometry:

- front 125 mm below front end of chassis siderail
- rear 147 mm below rear end of chassis siderail

Applicable vehicles Base Models: <i>From start of production to September 2010 fitted with 'B' level front upper wishbone assemblies. (See Section CK.7 for further information).</i>	Castor	- optimum	+ 5.3°
		- tolerance range	+ 5.05° to + 5.55°; max. side/side 0.3°
	Camber	- optimum	- 0.2°
		- tolerance range	- 0.05° to - 0.35°; max. side/side 0.2°
	Alignment	- optimum	Zero
	- tolerance range	±0.063°; max. side/side 0.038°	
	Steering axis inclination		9.4° nominal

Applicable vehicles Evora S: <i>From start of production</i> Evora IPS & S-IPS: <i>From start of production</i> Base Models: <i>Built from September 2010 onwards fitted with 'C' level front upper wishbone assemblies. (See Section CK.7 for further information).</i>	Castor	- optimum	+ 5.5°
		- tolerance range	+ 5.25°; max. side/side 0.2°
	Camber	- optimum	- 0.2°
		- tolerance range	±0.15°; max. side/side 0.2°
	Alignment	- optimum	Zero
	- tolerance range	±0.063°; max. side/side 0.038°	
	Steering axis inclination		9.4° nominal



REAR SUSPENSION

Type Independent. Upper and lower lightweight forged alloy wishbones; co-axial coil spring/telescopic damper unit; tubular anti-roll bar

Geometry

Mid-laden ride height (2 x 75 kg occupants + full fuel tank)

- set car to this height before measuring geometry:
 - front 125 mm below front end of chassis siderail
 - rear 147 mm below rear end of chassis siderail

Applicable vehicles Base Models: <i>From start of production to September 2010 fitted with 'B' level front upper wishbone assemblies. (See Section CK.7 & DJ.7 for further information).</i>	Camber	- optimum	- 1.55°
		- tolerance range	- 1.4° to - 1.7°; max. side/side 0.2°
	Alignment	- optimum	+ 0.36°
		- tolerance range	+ 0.336° to + 0.432°; max. side/side 0.036°
	Thrust angle	- optimum	Zero
		- tolerance	0.05°

Applicable vehicles Evora S: <i>From start of production</i> Evora IPS & S-IPS: <i>From start of production</i> Base Models: <i>Built from September 2010 onwards fitted with 'C' level front upper wishbone assemblies. (See Section CK.7 & DJ.7 for further information).</i>	Camber	- optimum	- 1.8°
		- tolerance range	- 1.6°; max. side/side 0.2°
	Alignment	- optimum	+ 0.6°
		- tolerance range	+ 0.4°; max. side/side 0.038°
	Thrust angle	- optimum	Zero
		- tolerance	0.05°

ELECTRICAL

<i>Light Bulbs</i>	<i>Wattage</i>	<i>Type</i>
Headlamps	35	D1S electronic igniter/burner unit
Rear turn indicators	21	P21W
Licence plate lamps	5	C5W
Interior lamp	5	W5W

Note that other lamps are likely to be long life LED type, serviced only by lamp replacement.

System voltage/polarity	12V negative earth
Alternator	100A
Battery (service replacement) - type	Varta L3B (T6) 572409068
- rating	72 Ah



TRANSMISSION

Type - Manual

Designation 6 speed manual type EA60
Differential Open bevel gear

Gear ratio table ('opt' refers to alternative Sport ratio set)

Gear	Internal ratio	Final drive	mph/1000rpm	km/h/1000rpm
1	3.54	3.78	5.6	9.1
2	1.91	3.78	10.4	16.7
3	1.22	3.78	16.3	26.3
3 opt	1.41	3.78	14.1	22.8
4	0.86	3.78	23.1	37.2
4 opt	1.09	3.78	18.2	29.4
5	0.79	3.24	29.4	47.3
5 opt	0.97	3.24	23.9	38.5
6	0.64	3.24	36.3	58.4
6 opt	0.86	3.24	27	43.5
Rev	3.83	3.24		

Type - Automatic IPS

Designation 6 speed automatic type U660E
Differential Open bevel gear

Gear ratios:

Gear	Internal Ratio	Final Drive
First	3.300:1	3.685:1
Second	1.900:1	3.685:1
Third	1.420:1	3.685:1
Fourth	1.000:1	3.685:1
Fifth	0.713:1	3.685:1
Sixth	0.608:1	3.685:1
Reverse	4.148:1	3.685:1

CLUTCH

Type Single dry plate. Diaphragm spring cover.
Hydraulic release, self adjusting

Friction plate diameter 228 mm

Friction plate clamped thickness - new 8.0 mm

Damper springs 4 off

Hub material Sintered steel

Clamp load - new 8350N



BRAKES

Brake discs		Cast iron, curved vane ventilated, cross-drilled Rear discs incorporate parking drums
Disc dimensions	- front	350 x 32 mm
	- rear	332 x 26 mm. 185 mm drum
Callipers		A.P. Racing, aluminium alloy body, 4 pistons in opposed pairs. Common casting front/rear
Piston size	- front	Leading; 38.1 mm. Trailing; 41.3 mm
	- rear	Leading; 38.2 mm. Trailing; 36.0 mm
Operation		Tandem master cylinder with dual diaphragm vacuum servo and Bosch Anti-lock system
Parking brake		Cable operated drum brakes incorporated into rear discs

STEERING

Type	Power assisted rack and pinion
Turns, lock to lock	2.86
Gear ratio	47mm rack movement/steering wheel revolution

FUEL CONSUMPTION

			<i>Std. gear ratios</i>	<i>Opt. close ratios</i>
Evora	1999/100/EC	- urban	12.4 l/100km	13.4 l/100km
		- extra urban	6.5 l/100km	7.2 l/100km
		- combined	8.7 l/100km	9.5 l/100km
EvoraS		- urban	14.2 l/100km	
		- extra urban	7.5 l/100km	
		- combined	9.9 l/100km	
Evora IPS		- urban	13.3 l/100km	
		- extra urban	6.6 l/100km	
		- combined	9.0 l/100km	
EvoraS-IPS		- urban	14.4 l/100km	
		- extra urban	6.9 l/100km	
		- combined	9.7 l/100km	