

Emergency Vehicles – Police

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POLICE SUPERBIKE

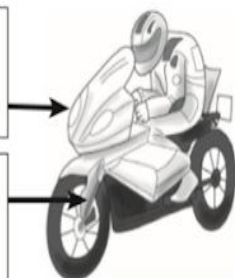
A POLICE SUPERBIKE is a super-fast road motorcycle. Nobody can escape a police officer riding one of these.

Superbikes are the fastest road motorcycles on the planet. They are lightweight but have hugely powerful engines,

and smooth, streamlined bodies that get them up to top speed in a flash! The lightning-fast *BMW S1000RR* (known as the 'RR') is BMW's fastest motorcycle. It is ridden by police traffic officers in the USA and the UK. The *BMW S1000RR* can go from 0–60 kilometres per hour in 2.6 seconds!

The first RR bikes were ridden by Rubén 'Spiderman' Xaus in the 2009 Superbike World Championships for the BMW Motorrad team.

The ABS (Anti-lock Braking System) helps a rider keep control when braking at high speed or in slippery conditions.



FACTFILE: *BMW S1000RR*

- **Length:** 2 metres
- **Weight:** 183 kilogrammes
- **Top speed:** Over 200 kilometres per hour
- **Engine power:** 193 horsepower
- **Engine size:** 1 litre

POLICE SQUAD SUPERCARS

Some police officers are very lucky. They get to drive the fastest police cars! The luckiest of all get to drive POLICE SQUAD SUPERCARS.

Police officers sometimes need to drive fast to chase speedy suspects trying to escape. This sleek squad car is

the incredible *LAMBORGHINI HURACÁN LP610-4 POLIZIA*. Lamborghini – one of Italy's most famous supercar makers – gave this one-off car to the Italian police force as a gift. The Italian police force once had a Lamborghini Gallardo, but an officer crashed it into a line of parked cars! The *Lamborghini Huracán LP610-4* replaced the Gallardo.

A warning light bar sits on the police car's roof. The warning lights have super-bright blue and red LEDs.

The car's streamlined body has a smooth shape. This allows it to cut through the air at top speed.



FACTFILE: *LAMBORGHINI HURACÁN LP610-4 POLIZIA*

- **Length:** 4.5 metres
- **Top speed:** 323 kilometres per hour
- **Engine power:** 602 horsepower
- **Width:** 1.9 metres
- **Engine size:** 5.2 litres

Challenge 2

- 1 Look at the first paragraph. **Find** and **copy one** word that means the same as *very*.

- 2 **Find** and **copy two** things that make the superbike so fast.

- 3 *"... that get them to top speed in a flash!"*

What do the words "*in a flash*" help the reader to understand?

- 4 Why do you think the police need to have ABS fitted on their superbikes?

- 5 *"Police officers sometimes need to drive fast"*

Find and **copy one** piece of evidence for this statement.

- 6 What happened to the Lamborghini Gallardo?

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Challenge 2

Write the question number and then answer the questions:

Answers: