

askST art

Going to the race this weekend?

Here's your one-stop guide

This year's Singapore Airlines Singapore Grand Prix promises to be a pivotal battle between Lewis Hamilton and Sebastian Vettel, with only three points separating the two rival drivers. What else can motor racing fans look out for?

F1 LINGO FOR BEGINNERS

- Apex:** The middle point of the inside line around a corner at which drivers aim their cars.
- Bottoming:** When a car's chassis hits the track surface as it runs through a sharp compression and reaches the bottom of its suspension travel.
- Chicane:** A tight sequence of corners in alternate directions. Usually inserted into the strip to slow the cars, often just before what had been a high-speed corner.
- Downforce:** The aerodynamic force that is applied in a downward direction as a car travels forwards. This is harnessed to improve a car's traction and its handling through corners.
- DRS:** Drag Reduction System, which allows the driver to adjust the rear wing to boost overtaking.
- ERS:** Energy Recovery System, which harnesses waste heat and kinetic energy that can subsequently be used to propel the car.
- Flat spot:** The spot on the tyre worn heavily by extreme braking or a spin. This ruins handling and causes vibration and may force a driver to the pit for tyre replacement.
- G-force:** A physical force involving gravity which drivers experience as they corner, accelerate and brake.
- Handling:** Car's responsiveness to driver's input and its ability to negotiate corners effectively.
- Installation lap:** A lap done on arrival at circuit, to test car's driving functions.
- Jump start:** When a driver moves off his grid position before the start signal. Earns penalty points.
- Kevlar:** Composite of synthetic fibre and epoxy resin for strong and lightweight car construction.
- Lollipop:** Sign on stick held in front of driver at pit stop as signal to apply brakes and gears.
- Marshal:** Course official who oversees safe running of the race.
- Nomex:** An artificial, fire-resistant fibre used to make drivers' overalls, underwear, gloves and boots.
- Oversteer/Understeer:** Oversteer is when the car's rear end tries to overtake the front end as the driver turns in towards the apex. Understeer is when the front end of the car does not want to turn into a corner and slides wide.
- Parc ferme:** A fenced-off area into which cars are driven after qualifying and the race, where no team members are allowed to touch them except under the strict supervision of race stewards.
- Ride height:** The height between track's surface and floor of car.
- Safety car:** The course vehicle that is called from the pits to run in front of the leading car in the race in the event of a problem that requires the cars to be slowed.
- Tyre compound:** The type of rubber mix used in the construction of a tyre, ranging from soft through medium to hard, with each offering a different performance and wear characteristic.
- Undertray:** A separate floor to the car that is bolted onto the underside of the monocoque.
- Visor strip:** The strip of carbon fibre-reinforced material that is fitted to the top edge of a driver's helmet for added protection.
- Zylon:** A synthetic material found in bulletproof vests which has strong anti-penetration properties and is used to strengthen helmets and the sides of the cockpit.

RACE DAY TIPS

Transport

It is highly recommended that you take public transport to the Marina Bay Street Circuit. Most gates are within walking distance of an MRT station.

Arriving at the Circuit Park

Gates open at 3pm today and tomorrow. Gates close at midnight daily.

What to wear

Wear light and comfortable clothing, footwear suitable for walking and consider wearing a hat and bring sunblock.

What to bring

Pack light, bring only the essentials - your phone, a spare battery for camera, etc. You may enter with one small plastic bottle of water.



What not to bring
Do not bring laser pointers, food and beverages, flying drones, unmanned aerial vehicles, scooters, pets, etc.

Children

Children are welcome, but prepare them for the crowds, long distances to walk, loud sounds and the general hustle and bustle of a large event.

Watching the race
The race is broadcast on superscreens across the Circuit Park. Bring along an FM receiver to tune in to the track commentary.



DRIVER STANDINGS

- LEWIS HAMILTON** (Mercedes)
TOTAL POINTS: 238
- SEBASTIAN VETTEL** (Ferrari)
TOTAL POINTS: 235
- VALTTERI BOTTAS** (Mercedes)
TOTAL POINTS: 197



SINGAPORE GP BY THE NUMBERS

- The inaugural race in 2008 was F1's first night race, the first street circuit in Asia.
- 14 Number of safety-car deployments in nine Singapore GP races so far.
- \$150m Cost of organising each race.
- 1:47.187 Lap record for the current layout of the Marina Bay Street Circuit, set by Red Bull's Daniel Ricciardo last year.
- 320kmh Fastest speed the F1 race car can reach at the circuit.
- 4 Winners of the race - Sebastian Vettel (4), Lewis Hamilton (2), Fernando Alonso (2) and Nico Rosberg (1).

- DANIEL RICCIARDO** (Red Bull)
TOTAL POINTS: 144
- KIMI RAIKKONEN** (Ferrari)
TOTAL POINTS: 138
- MAX VERSTAPPEN** (Red Bull)
TOTAL POINTS: 68
- SERGIO PEREZ** (Force India)
TOTAL POINTS: 58
- ESTEBAN OCON** (Force India)
TOTAL POINTS: 55
- CARLOS SAINZ** (Toro Rosso)
TOTAL POINTS: 36
- NICO HULKENBERG** (Renault)
TOTAL POINTS: 34

ENTERTAINMENT HIGHLIGHTS

- Village Stage**
DURAN DURAN (Above, today)
LIANNE LA HAVAS (today)
SEAL (Tomorrow)
- Downtown**
GEORGE THE POET (Tomorrow)
- Padang Stage**
ARIANA GRANDE (Left, tonight)
- Esplanade Outdoor Theatre**
GEORGE THE POET (Tomorrow)



- SUPPORT ACTS**
- Aarika Lee & The Next Movement
 - Alysha Brilla
 - Bloxxed Beats
 - Cale and the Gravity Well
 - DrumCat
 - Holy Roller & The Smoking Guns
 - Kyoto Protocol
 - MCappella
 - Sam Rui
 - Shigga Shay
 - Stopgap
 - Tabitha Nauser
 - THELIONCITYBOY
 - Vandetta
 - Zouk DJs

THE CHAINSMOKERS

(Above, today)
DURAN DURAN (Tomorrow)
CALVIN HARRIS (Left, tomorrow)

- FELIPE MASSA** (Williams)
TOTAL POINTS: 31
- LANCE STROLL** (Williams)
TOTAL POINTS: 24
- ROMAIN GROSJEAN** (Haas)
TOTAL POINTS: 24
- KEVIN MAGNUSSEN** (Haas)
TOTAL POINTS: 11
- FERNANDO ALONSO** (McLaren)
TOTAL POINTS: 10
- PASCAL WEHRLEIN** (Sauber)
TOTAL POINTS: 5
- DANIIL KVIAT** (Toro Rosso)
TOTAL POINTS: 4

RACE SCHEDULE

Today

3:15-3:45pm

Porsche Carrera Cup Asia (Qualifying)

4:40-5:10pm

Ferrari Challenge (First race: 10 laps or 25mins)

6-7pm

Formula One (Third practice session)

7:20-7:55pm

Porsche Carrera Cup Asia (First race: 12 laps or 30mins)

9-10pm

Formula One (Qualifying)

Tomorrow

3:15-3:45pm

Ferrari Challenge (Second race: 10 laps or 25mins)

4:30-5:05pm

Porsche Carrera Cup Asia (Second race: 12 laps or 30mins)

6:30pm

Formula One (Drivers' track parade)

8-10pm

Formula One (2017 Formula One Singapore Airlines Singapore Grand Prix: 61 laps or 120mins)

AERODYNAMICS

Front wings are wider, to 1,800mm from a previous 1,650mm. Rear wings are also wider but lower, helping to give the cars a more aggressive look. Cars are wider, longer and heavier. The total width has been expanded to 2,000mm, a return to pre-1988 dimensions. They are also 20kg heavier at 722kg and 'shark fins' have appeared on most of them, leading off the airbox behind the driver's head.

- STOFFEL VANDOOORNE** (McLaren)
TOTAL POINTS: 1
- JOLYON PALMER** (Renault)
TOTAL POINTS: 0
- MARCUS ERICSSON** (Sauber)
TOTAL POINTS: 0
- ANTONIO GIOVINAZZI** (Sauber)
TOTAL POINTS: 0

CAR CHANGES

FUEL

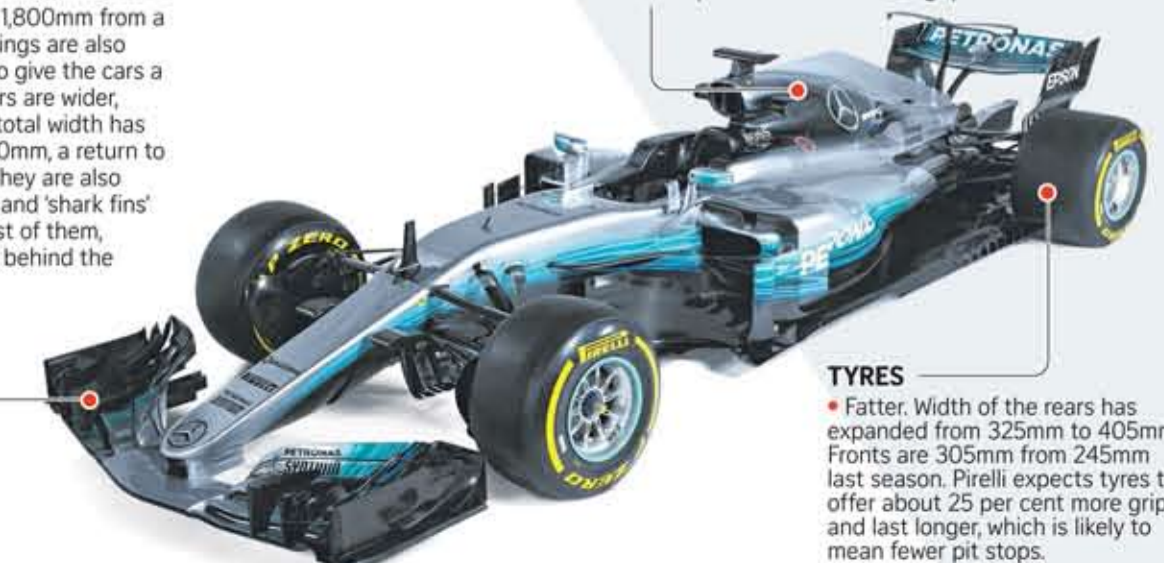
The fuel allowance has been raised by 5kg to 105kg to compensate for increased consumption due to the extra grip.

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TYRES

Fatter. Width of the rears has expanded from 325mm to 405mm. Fronts are 305mm from 245mm last season. Pirelli expects tyres to offer about 25 per cent more grip and last longer, which is likely to mean fewer pit stops.



Sources: AFP, FORMULA1.COM, SINGAPOREGP.SG
PHOTOS: AFP, REUTERS, MERCEDES, SINGAPORE GP, LUSHINGTON ENTERTAINMENT
STRAITS TIMES GRAPHICS: CEL GULAPA, MARLONE RUBIO