

 **LEXUS**  
THE PURSUIT OF PERFECTION

IS F





# The Vision



“The IS F is incredibly fun to drive and I challenge anyone to drive it and not start smiling. It’s designed to allow drivers to safely realise their passion for high-performance driving, whether for circuit racing or in everyday use.”

Yukihiko Yaguchi, IS F Chief Engineer

For the 30 years Yukihiko Yaguchi has been a designer at Lexus, he’s wanted to build a car he’d love to own. He got tired of waiting and went ahead and built it.

Yaguchi cherry picked the very best people to form a team of speed crazy rogue engineers who, working in their spare time, developed their own vision for a Lexus performance vehicle.

The result is an engineering marvel. A five litre V8, 8 speed Sport Direct-Shift transmission with paddle shifters, Brembo disc brakes, leather sports seats, 19 inch forged BBS wheels and specially tuned suspension and aerodynamics.

To be certain they got the IS F exactly right, they heavily tested the IS F at the world’s most demanding racetracks:

Germany’s legendary Nurburgring Nordschleife;

Circuit Paul Ricard in the South of France;

Zolder in Belgium;


Laguna Seca Raceway in California;

Fuji Speedway in Japan.

In fact, Fuji Speedway is the IS F’s home circuit and its many turns are the inspiration for the F-logo design.

The vehicle’s technological innovations, exhilarating response, blistering performance and handling characteristics generated so much enthusiasm; the project was immediately given the green light. **The Lexus IS F was born.**



An aerial photograph of the Fuji Speedway racetrack, showing the track's layout with various curves and a long straight section. The track is surrounded by green hills and a large white building. In the background, the snow-capped peak of Mount Fuji rises against a clear blue sky.

## Our home straight (and corners)

'F' is the name of a new breed of Lexus vehicles delivering ultra high performance. It stands for Fuji Speedway, the proving ground for the IS F, but what it means has far reaching consequences.

The racetrack lies in the foothills of Mount Fuji, and is the home of the Japanese Grand Prix. It was first opened as a road circuit in 1966, then in 1976 hosted Japan's first ever Formula One event. The circuit boasts the longest straight

(1.5km) in the Formula One world championship and 16 of the most demanding corners where extremely high speeds can be obtained.

The symbol 'F' in the name acknowledges the role of Fuji Speedway in developing the full performance potential of the IS F and to recognise the important role of the Fuji Speedway in the IS F project, the new 'F' logo integrates the most demanding corners from the racetrack in its design.

Drive the IS F and you'll discover the full impact that Fuji Speedway has had in forging an entirely new breed of Lexus.





## Sculpted for speed

The bodywork was fine tuned through extensive wind tunnel testing followed by high speed development on some of the fastest race tracks in the world. The result is a vehicle that generates maximum downforce without compromising its highly competitive drag coefficient. For you, the driver, it means new levels of exhilarating performance both on and off the track.

The IS F displays an aggressive stance. Its looks are muscular and every contour has been shaped with high performance in mind. And while speed combined with exceptional handling was the Lexus engineers' overriding goal, the process of aerodynamic refinement has produced a vehicle with strong lines and arresting beauty.

## Poised to perform

In developing the IS F, Lexus engineers pursued ultimate high speed performance delivered through a formidable package of advanced racetrack technology.

Advanced aerodynamics ensure minimal air resistance at racetrack speeds and help reduce wind noise. For maximum high speed stability, an underbody package which includes Formula One inspired composite farings, helps suck the vehicle onto the track for optimum downforce.

Massive air intakes feed and cool the high output V8 engine while side air outlet gills help extract heat from the engine bay. At the rear, quadruple tail pipes ensure rapid removal of exhaust gases to enhance engine breathing and also contribute to a very aggressive exhaust pitch.



## A remarkable engine in a refined package

Under the bulging bonnet is a 311kW, 505Nm, quad-cam aluminium 5.0 litre V8, providing face flattening acceleration. It has titanium intake valves, direct and port fuel injection, dual VVT-i including motor-driven variable intake valve timing (VVT-iE) and a special oil scavenging pump for extended high-G cornering.



In Japan, gifts of great importance and value are presented in special envelopes. The engine cover is one such envelope, as beneath this outer wrapper lies a 32 valve, quad cam 5.0 litre V8 engine incorporating many advanced high performance technologies.

On Fuji Speedway, it can accelerate the IS F from 0-100kmh in a brief 4.8 seconds enroute to a speed-limited 270 kmh. Fuel consumption of just 11.4L/100km\* and combined CO<sub>2</sub> emissions of 270gm/km\* are equally impressive.

Then, once you slip into the driver's seat of the IS F, you'll discover that this is one engine that lifts the performance envelope unlike any Lexus engine before. Despite its massive power output, the engine is remarkably smooth and flexible during the rigours of daily driving on city streets.

Equally refined is the bodywork that neatly packages all this performance. Even at rest the vehicle displays a strong sense of movement. The extensive aerodynamic development work has contributed to a body design with flowing lines and seductive looks.



\*Fuel consumption & CO<sub>2</sub> information will vary depending on driving conditions/style, vehicle condition and options/accessories fitted - ADR81/01 combined cycle.

# The world's most advanced 8 speed transmission

To help you manage this massive power output efficiently, Lexus engineers developed the world's first Sports Direct Shift (SPDS) 8 speed transmission.

You have the option of paddle shifting in both 'Automatic' and 'Manual' modes. Select 'Manual' and the paddle shifters give you the exhilaration of ultra fast shifting performance. Here you'll appreciate how Lexus engineers have built a transmission capable of shifting gears as fast as a manual in the hands of a top racing driver. So not only does the massive power of the engine ensure rapid acceleration, the transmission maximises power delivery, for an exhilarating driving experience.

In manual mode torque converter lock-up from second to eighth gear delivers a direct gear shift like a manual



transmission. When downshifting, you'll experience the sensation of the throttle automatically 'blipping' for faster and smoother synchronisation.

With eight gears, you've got the optimum combination of close ratios for higher performance motoring. The low first gear gives you improved acceleration, while a high eighth gear improves fuel efficiency at highway speeds. Having a wide range of ratios allows the engine to operate within its optimum speed for longer, improving fuel efficiency and power.

Switch to 'Automatic' mode and the personality of the vehicle shifts as well. You'll enjoy gear shifts of immaculate precision, with all the smoothness and refinement you've come to expect in a Lexus.

## Sports steering wheel

The leather covered steering wheel gives you optimum control of the vehicle and delivers instantaneous feedback to your fingertips. Power operated tilt and telescopic adjustment with memory lets you tailor the steering position to your preference. Racing gear changes are made via the steering wheel-mounted shifter paddles, so your hands need never leave the steering wheel.





### **Formula One inspired paddle shifters**

A special kind of power demands a special kind of transmission. Race inspired paddle shifters offer you fingertip control of the world's first production 8 speed Sports Direct Shift (SPDS) transmission. Upshifts occur in a rapid 0.1 seconds, so gear engagement and throttle response feel virtually instantaneous throughout the rev range.

### **Sport shifting mode, a Lexus first**

You can tailor shift characteristics to your preference via another Lexus first, the F-Sport mode. In this mode you can select Sport, Normal or Snow shift modes. It fine tunes the Artificial Intelligence (AI-shift) Shift Control in accordance with throttle opening and road conditions. With the transmission in D position, the Sport mode results in crisper shifting, Normal is for more relaxed situations while Snow mode allows gentler shifting, optimising control in slippery conditions.

# A new breed of Lexus

After a day of high energy excitement on the track you can drive the IS F home enjoying the best of both worlds. A hallmark of Lexus vehicles has always been to create cars with impeccable standards of luxury. Superb equipment and refined materials allows you to enjoy IS F as a truly refined luxury car.

As you approach the vehicle with your Smart Key Card still tucked in your pocket, you have the convenience of Smart Entry. A sequenced illuminated entry system welcomes you aboard followed by the ease of push button start. Climate control maintains comfort levels accompanied by heated front seats. Come nightfall, High Intensity Discharge (HID) front headlamps with an Adaptive Front-lighting System (AFS) lets you see around corners.





## Explore your limits

As you push the IS F into a corner, it almost feels as if the vehicle is anticipating your commands through its responsive chassis and suspension. Development work at the world's fastest racetracks has resulted in race tuned settings designed to feel athletically firm while providing superior stability at racetrack speeds.

At the front, the sports tuned springs and anti-roll bar reduce body roll on high speed corners and resist nose-diving during hard braking. At the rear, the sports dampers and springs ensure optimum composure when braking and accelerating. During quick manoeuvring, Electric Power Steering (EPS) delivers a linear feel, giving you instant feedback and offers you a choice of 'Sports' and 'Normal' power assistance settings.

Multilink suspension front and rear adapts willingly to changes in road contours, ensuring maximum tyre contact for superior grip and ride comfort. When the engineers first drove the IS sedan, they took note of the characteristics required for high speed race circuit driving, even as far as recording the suspension movements relative to the bushings. As a result, they tailored the suspension settings to make the vehicle easier to handle and much more fun to drive.



# The exhilaration of total control

## Vehicle Dynamics Integrated Management (VDIM)

An adjustable Sports version of Lexus' Vehicle Dynamics Integrated Management system puts ultimate control in your hands. VDIM ensures that the enormous power of the IS F can be enjoyed smoothly, even when cornering in slippery conditions. By integrating the braking, steering, stability and traction control systems within one intelligent network, VDIM provides a level of intervention that's much smoother and more proactive than if each system worked independently.

Three levels of VDIM ('Sports', 'Normal' and 'Off') are available to you at the flick of a switch on the dash.

For everyday driving on standard roads, 'Normal' VDIM improves the overall dynamic performance of the IS F and provides smoother vehicle behaviour at higher speeds.

On the racetrack, you can take the vehicle closer to its dynamic limits without compromising stability. When you select 'Sports' VDIM mode, it tailors the throttle, steering and transmission to provide crisper sports performance. It also expands the permissible range of lateral acceleration before the VDIM system intervenes, giving you more input to corner more aggressively on the racetrack. You can also switch VDIM off completely when you're ready to take the IS F to its full performance limits.

## Pre Crash safety System (PCS)

Safety is a priority, and the IS F's comprehensive package of high technology features includes a Pre Crash safety System (PCS)<sup>1</sup>. This advanced system helps maximise your safety. A millimetre wave radar sensor mounted in the front grille monitors the road ahead. Evaluating inputs from sensors that monitor the vehicle speed, yaw and steering angle, if the PCS system determines that a collision with a vehicle or object ahead is unavoidable it tightens the seatbelts and pre-arms the brakes.

## Dynamic Radar Cruise Control

Also utilising the millimetre wave radar sensor, Dynamic Radar Cruise Control<sup>2</sup> monitors your following distance at cruising speeds. If a vehicle should cross your path, Dynamic Radar Cruise Control slows down the IS F to maintain a safe following distance, even using the brakes if necessary. Then when the vehicle moves away, your preset cruising speed is resumed.

<sup>1</sup> PCS is a driver assist technology and should not be used in place of safe driving practices. The driver should continue to monitor the road ahead.

<sup>2</sup> Dynamic Radar Cruise Control is a driver assist technology and should not be used in place of safe driving practices. The driver should continue to monitor the road ahead.



IS F

IS F





## Pipe quartet

The sound of an IS F at full speed around a racing circuit is unmistakable. With the engine revving over 3600rpm, the race tuned V8 sucks air through a second and much larger intake, and the engine sound modulates into a thrilling roar. The free flowing exhaust system not only sounds powerful, its reduced back pressure enhances engine breathing and increases performance.

As you change down in manual mode, you'll experience the awesome sound as the transmission shifts and automatically 'blips' the throttle through the gears.

The distinctive exhaust note was carefully tuned to achieve a powerful sound both inside and outside the vehicle. It roars through every bone in your body. At the rear, the stirring exhaust note of the IS F sound emanates from quadruple tail pipes that are seamlessly integrated into the rear bumper.

# Race engineered technology

## **Brembo brakes**

The corner at the end of the world's longest Formula One straight at Fuji Speedway was the perfect place to test the brakes on the IS F.

For sheer braking power up front, large 360mm diameter ventilated discs were fitted with 6-piston opposed aluminium callipers made by Brembo, one of the world's leaders in high performance braking technology. In the rear, 345mm ventilated discs with Brembo two piston opposed callipers were fitted. All callipers are fitted with high friction brake pads which further boost stopping performance.

High performance brakes need to withstand extremely high temperatures. For this reason, special air ducts in the bumper supply the front braking system with cooling air, while the discs incorporate special pillar type cooling fins. As a result, the braking system is capable of repeatedly applying massive stopping power and resisting brake fade. So while the IS F can accelerate very quickly, it can stop extremely quickly too.

## **19" BBS forged alloy wheels**

To reduce the unsprung mass of the IS F, Lexus engineers demanded wheels which were light in weight yet strong enough to withstand the forces of high speed driving.

Aluminium was the obvious choice of material for its lightness, yet how could they ensure superior strength?

The wheels of the IS F are forged, (rather than cast like other alloy wheels) in a manufacturing process that emulates the blows of a blacksmith's hammer, combining strength with lightness. The distinctive styling of the wheels pays tribute to the Samurai sword, the source of the inspiration.

The IS F's wheels were developed together with BBS, a supplier of wheels used in Formula One, and manufactured in one of the world's most advanced motorsport wheel production facilities.



“The core of Lexus’ design philosophy is to be technologically advanced yet humanised, to create striking design but still be artistic.”

YUKIHIKO YAGUCHI, IS F CHIEF ENGINEER.



# Ergonomic refinement

## Precision built cockpit

The IS F anticipates your desire for a vehicle of breathtaking performance, but it also recognises that you will want to travel in style and comfort. So the same thoughtful attention to detail that has been applied to the vehicle's race-tuned engineering is also evident throughout the cabin.

There are storage compartments that open and close with immaculate precision. For a distinctive sense of style, silver carbon fibre like inlays have been carefully sanded and varnished by hand for an exquisite sheen.



The leatherwork in the cabin of the IS F is perforated to enhance comfort. The seats are all carefully stitched in a distinctive coloured thread and feature the "F" logo signifying the vehicle's origins on Fuji Speedway.

## Supportive sports seats

The front sports seats have been sculpted to provide excellent lateral support, helping you to remain confidently positioned when in control of the IS F despite the increased lateral G-forces of high speed cornering. Front seats are 8-way power adjustable and have a memory function for instant recall of your preferred seating position. They're also heated for comfort in cooler conditions. In the rear, two passengers can enjoy exceptional comfort and support, separated by a centre console that doubles as a hatch for skis and longer items.



# Reward your senses

## **Optitron instrumentation**

You can read vital information with optimum clarity in all light conditions, day or night, with Optitron instrumentation.

This advanced display is designed to provide you with clear information at a glance, allowing you to maintain concentration on the road ahead. When you start the engine, the needles go through an intriguingly choreographed routine.

A Multi-Information Display between the dials first greets you with the distinctive 'F' logo. Then throughout your journey, it provides information including gear selection and transmission mode.

## **Navigation System**

Lexus' state-of-the-art satellite navigation system features a touch screen, visual and voice guidance so you just tell it where you want to go, and you're assisted there in a flash. The system covers 99% of New Zealand roads, 90,000 points of interest and over 76,000 kilometres of roads, which means if there's a place you want to go and Lexus satellite navigation doesn't have it, it's probably not worth going there.

## **Touch screen EMV display**

The highly intuitive Electro Multi Vision (EMV) display on the console is your primary information resource. While extremely advanced it is very simple to use with touch screen controls.

The 7 inch colour display gives you control over many of the IS F's advanced systems, such as the DVD-based satellite navigation and inbuilt Bluetooth wireless communication.

## **Mark Levinson surround sound**

As standard equipment, a 14 speaker audio system with a powerful 300 watt 10 channel amplifier has been custom engineered by world renowned audiophile designer Mark Levinson. This surround sound system features an in-dash 6-disc CD/DVD player. You can enjoy DVD movies while stationary, and enjoy music performance comparable to that delivered by the very best of home theatre entertainment systems.

## **Bluetooth/MP3 player compatible**

The inbuilt Bluetooth system connects with your compatible Bluetooth phone enabling hands-free mobile phone calls to be made and received by operating the EMV touch screen display, the steering wheel-mounted switches, or through voice commands. For maximum clarity, phone calls are channelled through the audio system's speakers, automatically muting the audio when an incoming call is detected. The audio system also has a socket that enables the connection of MP3/WMA compatible portable media players.







# Lexus Care



## LEXUS WARRANTY

An important part of the peace of mind that comes with owning a Lexus is the built-in warranty on your vehicle. Each Lexus vehicle carries a manufacturer's New Vehicle Warranty of 3 years or 100,000 kilometres\*. This is supplemented by Lexus New Zealand's Lexus Care Warranty which consists of an additional 1 year or 40,000 kilometres\* cover. This total package of cover is offered to the first owner and subsequent owners within a 4 year or 140,000 kilometre\* period and is supplemented by a 6 year corrosion perforation warranty.

## LEXUS SERVICE PLAN

The Lexus Full Maintenance Service Plan that accompanies every new Lexus covers all parts and labour costs associated with the Lexus recommended service schedule for a period of 4 years or 140,000 kilometres\* from the date of first registration and may include a replacement set of four tyres if required. It combines an exacting standard of maintenance with a high level of customer convenience and ensures your Lexus is serviced, as it should be – by specially trained Lexus technicians. \* whichever occurs first under normal operating conditions.

## LEXUS ON CALL

With Lexus On Call we've made sure the service that makes Lexus unique will always be as close as your phone or computer. This way, you can summon assistance whenever

### LEXUS OF NORTH SHORE

Corner of Link Drive and Target Road  
Wairau Park, NORTH SHORE CITY  
P O Box 100550, NORTH SHORE MAIL CENTRE,  
NORTH SHORE CITY  
Phone: 09 442-3670

### LEXUS OF AUCKLAND CITY

101 Great North Road, Grey Lynn, AUCKLAND  
P O Box 8947, Symonds Street, AUCKLAND  
Phone: 09 523-1841

required. In the event of an emergency or breakdown we like to take special care of you and your Lexus. Your comments are also important to us, so you're most welcome to contact us anytime and talk to us about your Lexus experience.

Lexus On Call is your direct link to Lexus support.

Freephone: 0800 4 LEXUS (0800 453 987) 24 hours

Web: [www.lexus.co.nz](http://www.lexus.co.nz)

Email: [oncall@lexus.co.nz](mailto:oncall@lexus.co.nz)

### LEXUS PLUS

We know that a helping hand can be invaluable in an emergency. Lexus Plus, in conjunction with the New Zealand Automobile Association (AA), provides a special nationwide emergency service for Lexus owners. The Lexus Plus programme provides extended protection against the possibility of being stranded away from home because of a vehicle breakdown. It gives you constant access to immediate help 24 hours a day, seven days a week.

Lexus Plus offers a wide range of services whether you require roadside assistance to recover your vehicle, emergency windscreen replacement, alternative transport home or even assistance with changing travel plans if you are unexpectedly delayed. Lexus will also arrange any accommodation and rental car requirements that may arise if

breakdown repairs cannot be completed on the day of the emergency. The service even extends to transporting replacement clothing to you, or to passing on urgent messages to family, friends or colleagues.

### LEXUS FINANCIAL SERVICES

There is an extensive range of tailored finance solutions available through your Lexus dealer designed to make acquiring a Lexus as effortless as driving one. Whether you require a fleet or personal finance plan, there are a wide range of options for leasing or purchasing a vehicle to suit your individual needs.



#### LEXUS OF HAWKE'S BAY

505 North Karamu Road, HASTINGS

P O Box 165, NAPIER

Free Phone: 0800 425-3987 (0800 HB LEXUS)

Phone: 06 872-8222

#### LEXUS OF WELLINGTON

54 Kent Terrace, WELLINGTON

P O Box 9541, Marion Square, WELLINGTON

Phone: 04 802-0610

For further dealer information visit:

[www.lexus.co.nz/mylexusdealer](http://www.lexus.co.nz/mylexusdealer)

#### LEXUS OF CHRISTCHURCH

227 Montreal Street, CHRISTCHURCH

P O Box 22482, High Street, CHRISTCHURCH

Free Phone: 0800 466-453

Phone: 03 363-8748

For service agents throughout New Zealand visit:

[www.lexus.co.nz/partsandservice](http://www.lexus.co.nz/partsandservice)

# Specifications IS F

## FACTS & FIGURES:

Overall length:	4600mm
Overall width:	1815mm
Overall height:	1415mm
Wheelbase:	2730mm
Front track:	1560mm
Rear track:	1515mm
Minimum ground clearance:	120mm
Seating capacity:	4
Luggage capacity:	378L
Gross vehicle weight:	2120kg
Kerb weight:	1700kg
0-100kmh:	4.8sec
Maximum speed:	270kmh

## MECHANICAL FEATURES:

5.0 litre quad cam 32 valve V8 engine with dual VVT-i (VVT-iE for intake) develops 311kW of power @ 6600rpm and 505Nm of torque @ 5200rpm.

95 octane or higher is recommended. Tank capacity is 64 litres.

Fuel consumption - 11.4L/100km\*; CO<sub>2</sub> emissions - 270g/km\*

Fully independent double wishbone front and multi-link rear suspension.

Electronic power steering (EPS).

Power-assisted ventilated front and rear disc brakes. Anti-lock Braking System (ABS), Electronic Brake-force Distribution (EBD) and Brake Assist (BA). Pedal type mechanical parking brake.

Sports-type Vehicle Dynamics Integrated Management (VDIM).

Vehicle Stability Control (VSC) and Traction Control (TRC).

8-speed Electronically Controlled Automatic Transmission (ECT) with lock-up torque converter, Driving Response and Acceleration Management System (DRAMS) and Sequential manual operation with paddle shift controls.

Rear wheel drive.

8.0J x 19" front alloy wheels fitted with 225/40 R19 steel belted radial ply tyres; 9.0J x 19" rear alloy wheels fitted with 255/35 R19 steel belted radial ply tyres. Temporary type spare tyre.

## FEATURES:

High Intensity Discharge (HID) Xenon headlights with auto levelling and Adaptive Front-lighting System (AFS), headlight cleaners. Front and rear fog lights.

Rain sensing windscreen wipers.

Smart Key System; electronic card key remote central door locking with answer back and panic functions; remote boot release with lock-out function; engine immobiliser and security alarm with intrusion sensor.

Illuminated entry system; chrome door scuff plates.

Driver and passenger front, front side, front and rear curtain shield and front knee airbags.

2x3-point ELR front seat belts with pre-tensioners and force limiters; 2x3-point ALR/ELR outer rear seat belts with pre-tensioners and force limiters. Child restraint tether anchors with ISO fixing points; child proof rear door locks.

Pre-Crash Safety system.

Leather seats, door trim; front seat heaters; silver carbon fibre-type centre console and interior accents; dimpled leather and chrome gear lever.

Sports type seats with driver and front passenger power slide, recline, height, tilt, lumbar adjustment and three position memory system.

Climate control air conditioning with independent driver and passenger controls.

3-spoke leather steering wheel with gear shift, cruise control, audio and multi-information display controls; power tilt and telescopic steering with memory.

Dynamic radar cruise control.

Mark Levinson Audio - AM/FM radio with 6 disc MP3/WMA compatible CD/DVD changer, 14 speakers, auxiliary input jack.

Optitron instrument panel; outside temperature display.

Automatic glare-resistant electrochromic interior and exterior rear view mirrors.

Electronic Multi Vision (EMV) display with DVD navigation, trip information, Bluetooth telephone information, setup, calendar, maintenance, climate control air conditioning, and audio functions.

Reversing camera with parking guide, front and rear parking sensors.

## OPTIONAL EQUIPMENT:

Power glass sunroof.

\*Fuel consumption & CO<sub>2</sub> information will vary depending on driving conditions/style, vehicle condition and options/accessories fitted - ADR81/01 combined cycle.





White Pearl (Crystal Shine)



Platinum



Graphite (Mica)



Onyx



Burgundy (Mica Crystal Shine)

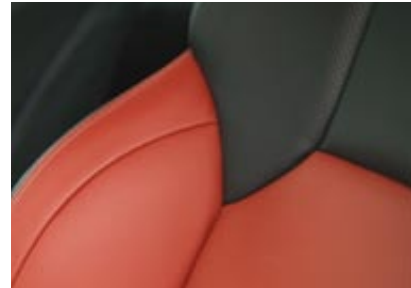


Ultrasonic Blue (Metallic)

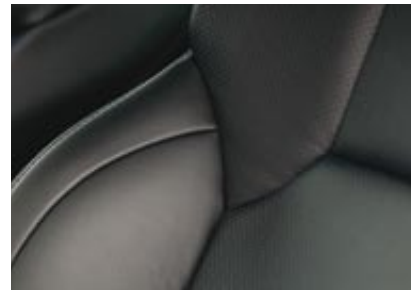
## Colours



**White with Black** (smooth leather) - available with all exterior colours



**Terra Cotta with Black** (smooth leather) - available with all exterior colours



**Black with Black** (semi-aniline leather) - available with all exterior colours

Every endeavour has been made to ensure text details and specifications contained in this publication were accurate as at 10 November 2008. Lexus New Zealand reserves the right at any time to introduce any changes deemed necessary to improve the models shown or for any other reason. Paint and upholstery colours shown in this brochure may differ from actual colours due to variations in printing processes. Some models shown in this brochure may have optional accessories fitted. For further information contact your nearest Authorised Lexus Dealer. They will be glad to assist. 250 • LEXUS IS F1 • November 2008