

IS F

OUTLINE OF NEW FEATURES

The following changes have been made for the new IS F.

1. Model Line-up

- The destination package for Taiwan has been added to LHD models for Europe.
- The following model has been added:

Destination	Engine	Transmission	Model Code
G.C.C. Countries	2UR-GSE	AA80E 8-Speed Sport Direct Shift	USE20L-FEZRHV

2. Exterior

The headlight design has been changed. For details, [see page 19](#).

3. Exterior Color

A total of 7 exterior colors; 6 carryover colors and 1 new color, are available for standard models.

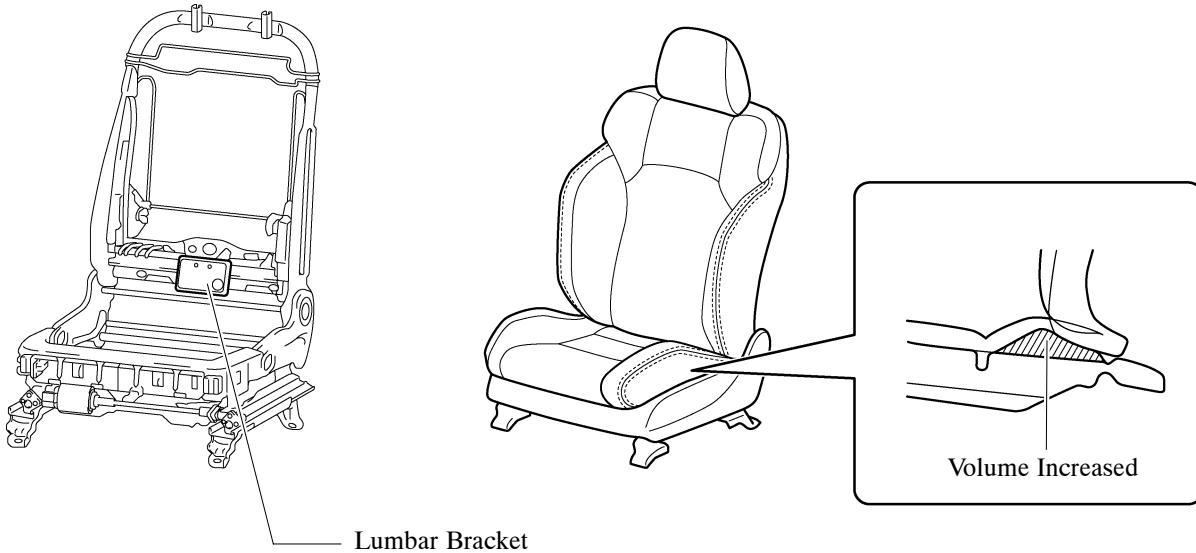
Color No.	Color Name	Note
077	White Pearl Crystal Shine	Carryover
1F2	Premium Silver	Carryover
1G0	Dark Gray Mica	Carryover
212	Black	Carryover
217	Starlight Black Glass Flake	New
3R1	Red Mica Crystal Shine	Carryover
8U1	Exceed Blue Metallic	Carryover

4. Interior

The interior has been changed. For details, [see page 8](#).

5. Seat

- Alcantara has been adopted for the upholstery of the seats to secure good seat grip characteristics on the destination package for Taiwan.
- A lumbar bracket has been adopted for the driver's seat frame to provide more support to the occupant during a rear end collision.
- The seat cushion volume has been increased to secure a good cushion fit feel.



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6. 2UR-GSE Engine

- The ECM software has been changed to conform to EURO 5 emission regulations.
- V bank cover sub-assembly color has been changed from pearl silver to dark metallic.
- A noise filter condenser is built into the igniter.

7. Differential

The differential of models for G.C.C. countries is as follows:

Differential Type		FD21A
Differential Gear Ratio		2.937
Drive Pinion	Number of Teeth	16
Ring Gear	Size mm (in.)	208 (8.2)
	Number of Teeth	47
Number of Differential Pinions		10
Oil Viscosity		SAE 75W-85
Oil Type		Toyota Genuine Differential Gear Oil LX GL-5
Oil Capacity Liters (US qts, Imp. qts)		1.35 (1.42, 1.19)

8. Suspension

The wheel alignment specifications of models for G.C.C. countries are as follows:

Destination		G.C.C. Countries
Front Wheel Alignment	Type	Double-Wishbone
	Tread* mm (in.)	1560 (61.4)
	Caster* degrees	8.7_
	Camber* degrees	-0.87_
	Toe-in* mm (in.)	0
	King Pin Inclination* degrees	11.18_
Rear Wheel Alignment	Type	Multi-Link
	Tread* mm (in.)	1520 (59.8)
	Camber* degrees	-1.5_
	Toe-in* mm (in.)	3.0 (0.12)

*: Unloaded Vehicle Condition

9. Brake

- Buzzer sounding during VSC operation has been discontinued for all models. The skid control buzzer assembly of models without the pre-crash safety system has been discontinued. For details, [see page 9](#).
- The current multi-function mode switch has been separated into SPORT and SNOW switches. The SPORT switch is located on the steering wheel.
- The brake system specifications on models for G.C.C. countries are as follows:

Destination		G.C.C. Countries
Brake Master Cylinder Sub-assembly	Type	Tandem (Plunger Type)
	Diameter mm (in.)	22.22 (0.87) × 2
Brake Booster Assembly	Type	Single Diaphragm Type
	Size in.	10.0
Front Disc Brake Caliper Assembly	Caliper Type	M6.30/34/38
	Brake Wheel Cylinder Diameter mm (in.)	30 + 34 + 38 (1.18 + 1.34 + 1.50)
	Front Rotor Size (Diameter × Thickness) mm (in.)	360 × 30 (14.2 × 1.2)
	Pad Material	J655
Rear Disc Brake Caliper Assembly	Caliper Type	M36
	Brake Wheel Cylinder Diameter mm (in.)	36.0 (1.42)
	Rear Rotor Size (Diameter × Thickness) mm (in.)	345 × 28 (13.6 × 1.1)
	Pad Material	J655
Parking Brake	Operation Type	Pedal Type
	Type	Duo Servo Drum
	Drum Inner Diameter mm (in.)	190.0 (7.48)

10. Steering

The steering system specifications on models for G.C.C. countries are as follows:

Destination	G.C.C. Countries
Power Steering Type	Electric Power Steering (EPS)
Gear Ratio (Overall)	13.6
No. of Turns Lock to Lock	2.91
Rack Stroke mm (in.)	158 (6.22)

11. Multiplex Communication

In accordance with the discontinuance of the intelligent Adaptive Front-lighting System (AFS), the AFSECU has been discontinued. For details, [see page 18](#).

12. Lighting

The following lighting system items have been changed or discontinued.

Item	Changed/Discontinued
Exterior Light	The design of the headlights has been changed. For details, see page 19 .
Daytime Running Light System	The following point has been changed due to the LED type daytime running lights being adopted. For details, see page 20 . <ul style="list-style-type: none"> The system diagram has been changed.
Intelligent Adaptive Front-lighting System (AFS)	The intelligent Adaptive Front-lighting System (AFS) has been discontinued.
Automatic Headlight Beam Level Control System	The following points have been changed due to the intelligent Adaptive Front-lighting System (AFS) being discontinued. For details, see page 21 . <ul style="list-style-type: none"> The system diagram has been changed. The control ECU has been changed from the AFS ECU to the headlight leveling ECU.

13. Combination Meter Assembly

The design and function of the combination meter assembly have been changed. For details, [see page 24](#).

14. Air Conditioning

The A/C switch condition (on/off) has been added to the operating conditions for automatic recirculation control.

15. Multi Display

The DVD type navigation system is used on models for G.C.C. countries.

16. Lexus Parking Assist-sensor System

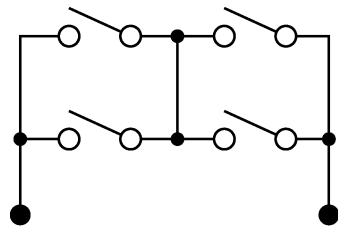
The detection area at the front corners has been changed due to reduction in ultrasonic sensor size.

: Changed

Detection Area		Detection Distance [cm (in.)]	
		New	Previous
Front Corner	Long	50 +/- 5 to 40 +/- 5 (19.7 +/- 2 to 15.7 +/- 2)	50 +/- 5 to 37.5 +/- 5 (19.7 +/- 2 to 14.8 +/- 2)
	Middle	40 +/- 5 to 30 +/- 5 (15.7 +/- 2 to 11.8 +/- 2)	37.5 +/- 5 to 25 +/- 5 (14.8 +/- 2 to 9.8 +/- 2)
	Short	30 +/- 5 or less (11.8 +/- 2 or less)	25 +/- 5 or less (9.8 +/- 2 or less)
Rear Corner	Long	50 +/- 5 to 37.5 +/- 5 (19.7 +/- 2 to 14.8 +/- 2)	
	Middle	37.5 +/- 5 to 25 +/- 5 (14.8 +/- 2 to 9.8 +/- 2)	
	Short	25 +/- 5 or less (9.8 +/- 2 or less)	
Rear Center	Longest	150 +/- 15 to 60 +/- 6 (59 +/- 5.9 to 23.6 +/- 2.4)	
	Long	60 +/- 6 to 45 +/- 5 (23.6 +/- 2.4 to 17.7 +/- 2)	
	Middle	45 +/- 5 to 35 +/- 5 (17.7 +/- 2 to 13.8 +/- 2)	
	Short	35 +/- 5 or less (13.8 +/- 2 or less)	

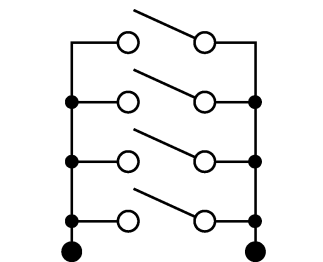
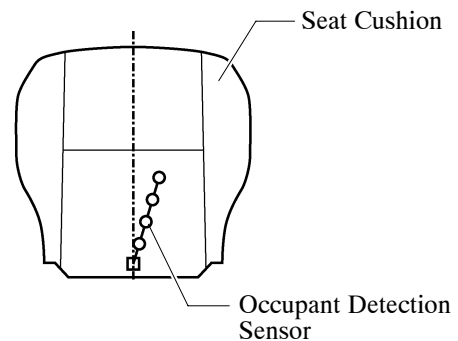
17. Seat Belt Warning System

- A seat belt warning buzzer on/off display function has been added to the multi-information display. For details, [see page 24](#).
- The occupant detection sensor has been changed from a 4 cell parallel circuit type to a 2 cell series circuit type to secure occupant detection.



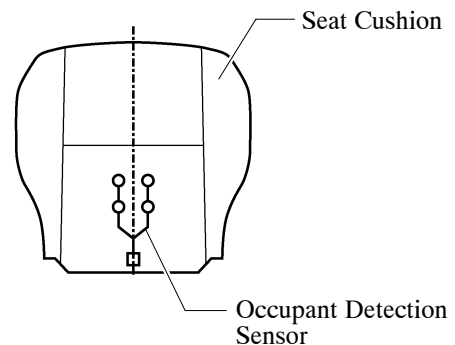
2 Cell Series Circuit Type

New



4 Cell Parallel Circuit Type

Previous



18. Pre-crash Safety System

Pre-crash brake control has been adopted on the destination package for Australia.

19. Dynamic Radar Cruise Control System

The distance control switch has been moved to the instrument panel lower panel in accordance with the relocation of the SPORT switch.

