

IS350/250

OUTLINE OF NEW FEATURES

The following changes have been made for the 2009 model year.

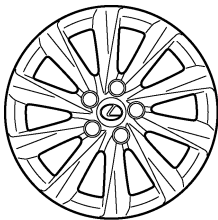
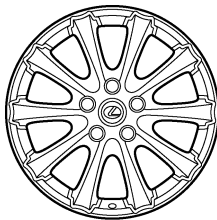
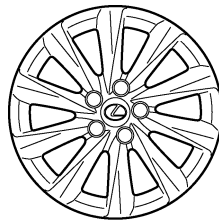
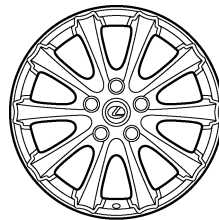
1. Exterior

- The exterior of the front and rear has been changed. For details, see page 11.
- A total of 10 exterior colors are available - 8 carryover colors and 2 new colors:

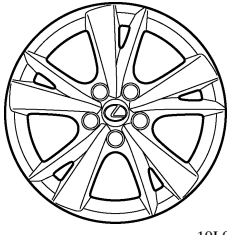
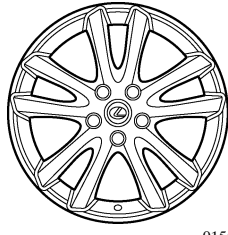
Color No.	Color Name	Note	Color No.	Color Name	Note
074	Bluish Pearl Crystal Shine	Carryover	3R1	Red Mica Crystal Shine	Carryover
077	White Pearl Crystal Shine	Carryover	4T0	Blond Mica Metallic	New
1G0	Dark Gray Mica	Carryover	4T5	Sable Mica Metallic	New
1G1	Silver Mica Metallic	Carryover	8U0	Dark Blue Mica Color Clear	Carryover
212	Black	Carryover	8R6	Light Blue Metallic	Carryover

2. Wheel

The 17-inch and 18-inch wheels have been changed.

Model		'09 Models	'08 Models	'09 Models	'08 Models
Tire Size	Front	225/45/R17		225/45/R17	
	Rear			245/45/R17	
Disc Wheel	Size	17 × 8 J	17 × 8JJ	17 × 8 J	17 × 8JJ
	Material	Aluminum		Aluminum	
P. C. D.*	mm (in.)	114.3 (4.5)		114.3 (4.5)	
Off Set	mm (in.)	45 (1.8)		45 (1.8)	
Wheel Design					
4GR-FSE	2WD	—		Option	
	AWD	Standard		—	
2GR-FSE		—		Standard	

*: P.C.D. (Pitch Circle Diameter)

Model			'09 Models	'08 Models
Tire Size	Front		225/40/R18	
	Rear		255/40/R18	
Wheel	Size	Front	18 × 8 J	
		Rear	18 × 8 1/2 J	
	Material		Aluminum	
P.C.D.*	mm (in.)		114.3 (4.5)	
Offset	Front	mm (in.)	45 (1.8)	
	Rear	mm (in.)	50 (2.0)	
Wheel Design			 10L0NF02C	 0155NF03C
4GR-FSE	2WD		Option	
	4WD		—	
2GR-FSE			Option	

*: P.C.D. (Pitch Circle Diameter)

3. Interior

The following interior parts have been changed. For details, see page 13.

- Front center register
- Heater control panel
- Audio head unit
- Mirror control switch
- Direction of the AUX adapter in the console box

4. 4GR-FSE/2GR-FSE Engine

The ECM software has been modified due to addition of D position (fixed range mode) which enables automatic transmission shift control.

5. A760E/A760H/A960E Automatic Transmission

D position (fixed range mode) has been added to the automatic transmissions for this model. Downshifting by operating the shift paddle switch while driving in D position will immediately cause the vehicle to enter fixed range mode, which is the same as the S mode. As a result, engine braking and downshifts necessary for acceleration are achieved even when driving with the shift lever in D position. For details, see page 16.

6. Differential

- The SD18B front differential is provided as standard on the AWD model.
- The FD20A rear differential is provided as standard on models with the 4GR-FSE engine.
- The FD21A rear differential is provided as standard on models with the 2GR-FSE engine.
- For details, see page 19.

Drive Type	Engine Type	Front Differential Type	Rear Differential Type	Equipment	
				'09 Models	'08Models
2WD	4GR-FSE	—	F20SX	—	Standard
			F20TX (TORSEN* LSD)	—	Option (A/T Model only)
			FD20A	Standard	—
	2GR-FSE	—	F21SF	—	Standard
FD21A			Standard	—	
AWD	4GR-FSE	S18SSF	F19SX	—	Standard
		SD18B	FD20A	Standard	—

*: TORSEN is ZEXEL's registered trade mark.

7. Suspension

Rear wheel alignment specifications have been changed.

Model	IS250					
	'09 Models	'08 Models	'09 Models	'08 Models	'09 Models	'08 Models
Drive Type	2WD				AWD	
Package	Normal		Sport Package		Normal	
Tread*1 mm (in.)	1535 (60.4)*2 1535 (60.4)*3 1525 (60.0)*4	1535 (60.4)*2 1535 (60.4)*3 1525 (60.0)*4	1525 (60.0)	1525 (60.0)	1535 (60.4)	1535 (60.4)
Camber*1 degrees	-0° 57' *2 -1° 10' *3 -1° 10' *4	-1° 01' *2 -1° 14' *3 -1° 14' *4	-1° 10'	-1° 14'	-0° 45'	-0° 50'
Toe-in*1 mm (in.)	3.0 (0.12)					

Model	IS350			
	'09 Models	'08 Models	'09 Models	'08 Models
Package	Normal		Sport Package	
Tread*1 mm (in.)	1535 (60.4)*3 1525 (60.0)*4	1535 (60.4)*3 1525 (60.0)*4	1525 (60.0)	1525 (60.0)
Camber*1 degrees	-1° 10'	-1° 14'	-1° 10'	-1° 14'
Toe-in*1 mm (in.)	3.0 (0.12)			

*1: Unloaded Vehicle Condition





*2: Tire Size: 205/55R16 *3: Tire Size: 245/45R17 *4: Tire Size: 255/40R18

8. Brake

- VDIM is provided as standard on all models.

Engine Type		'09 Models		'08 Models	
		4GR-FSE	2GR-FSE	4GR-FSE	2GR-FSE
Brake Control System	ABS with EBD, Brake Assist, TRAC VSC and Hill-start Assist Control	—		Standard	—
	Vehicle Dynamics Integrated Management (VDIM)	Standard		—	Standard

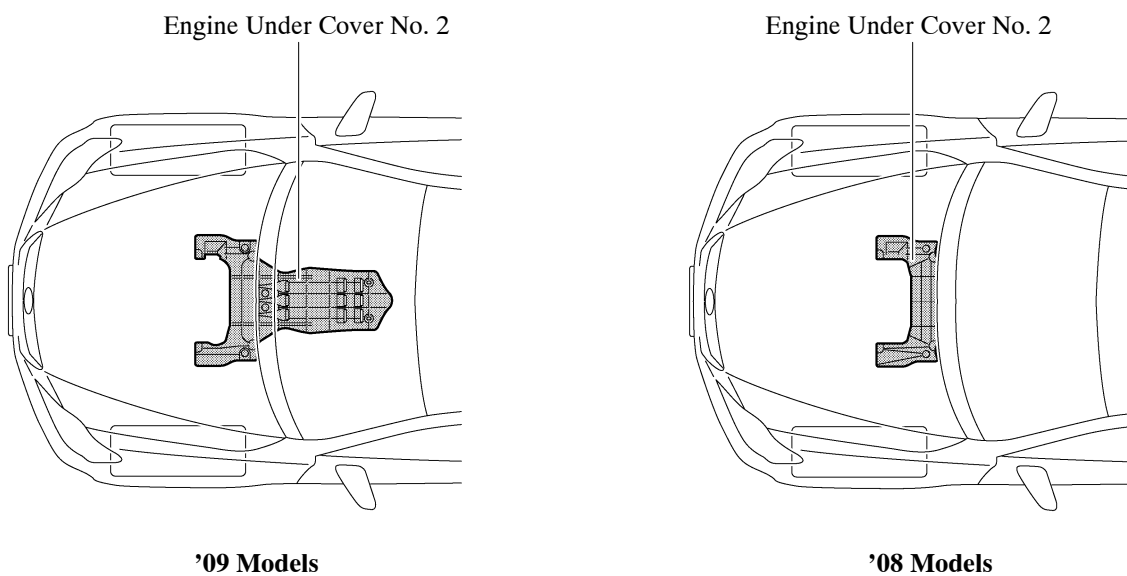
- The operation of the indicators when TRAC or VSC is off have been changed.

Function	Brake Control Function		'09 Models		'08 Models	
	TRAC	VSC	Multi-information Display	VSC OFF Indicator Light	Slip Indicator Light	VSC OFF Indicator Light
			 10L0NF04C	 10L0NF19C	 03NCH005Y	 08SCH054Y
Normal Mode	○	○	—	—	—	—
TRAC OFF Mode	×	○	Display	—	Illuminate	—
VSC OFF Mode	×	×	Display	Illuminate	Illuminate	Illuminate

9. Body

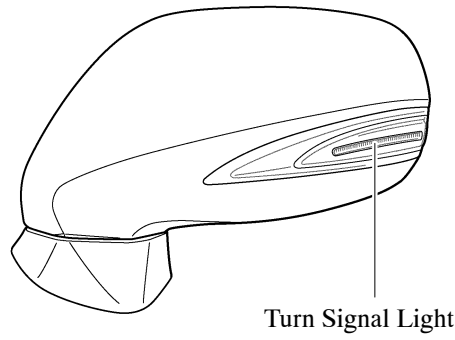
To ensure aerodynamic performance, the following has been changed.

- Engine under cover No. 2 on 2WD models.



10. Lighting

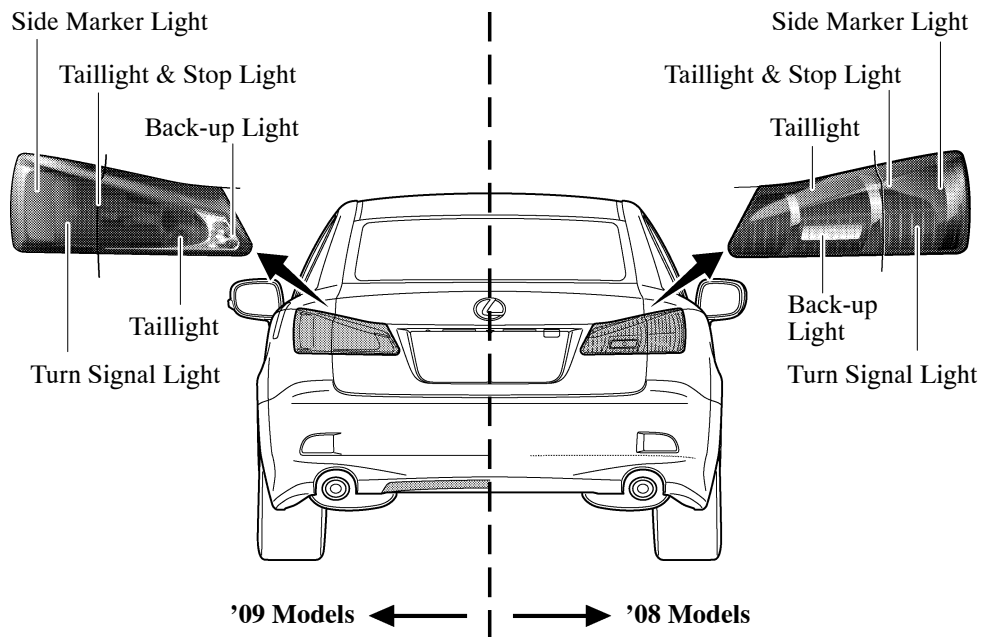
- Side turn signal lights have been built into the outer mirrors.



10L0NF07Z

Light	Type	W
Side Turn Signal Light	LED (2)	1.0

- The configuration of the exterior lights has been changed.





10L0NF25C

Light	'09 Models		'08 Models		
	Type	W	Type	W	
Combination Lens	Taillight & Stop Light	LED (2)	0.3/4.0	LED (2)	0.4/4.0
	Taillight	LED (18)	0.7	LED (16)	1.3
	Turn Signal Light	Wedge Base Bulb (Clear)	21	Wedge Base Bulb (Clear)	21
	Rear Side Marker Light	LED (3)	0.3	LED (4)	0.3
	Back-up Light	Wedge Base Bulb (Clear)	16	Wedge Base Bulb (Clear)	16


11. Combination Meter Assembly

The '09 models have been modified from the '08 models, as shown below:

- The design of the VSC OFF indicator light has been changed.

Item	'09 Models	'08 Models
VSC OFF Indicator Light	 10L0NF19C	 08SCH054Y

- The following warning message has been added on the multi-information display.

Warning	Detail
 10L0NF04C	TRAC OFF mode

12. Power Window System

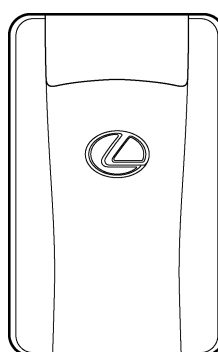
- The power window regulator motor assembly has been changed which is including ECU and Hall IC.
- Variable speed control has been added to the power window system. For details, see page 21.

Function	Outline
Variable Speed Control	This control minimizes the occurrence of noise during the power window open/close operation by changing the operating speed of the power window motor.

13. Smart Access System with Push-button Start

A card key is available as optional equipment for all models. Using the card key, the following functions can be performed:

- Door unlock/lock (Entry Unlock/Entry Lock Functions)
- The engine can be started by simply pressing the engine switch while depressing the brake pedal (Start Function)
- The trunk can be opened (Trunk Open Function)

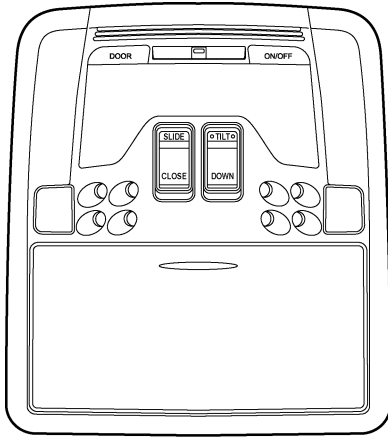


10L0NF11C

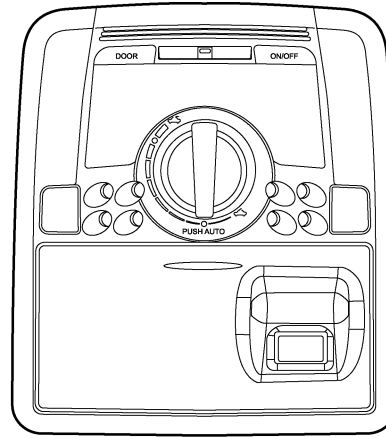
14. Sliding Roof System

The '09 models have been modified from the '08 models, as shown below:

- The sliding roof control switch has been changed from the dial/push type to a momentary type.



'09 Models



'08 Models

10L0NF05C

- The following functions have been changed.

Function	'09 Models	'08 Models
Manual open-and-close	This function causes the sliding roof to open/close while the SLIDE OPEN/CLOSE switch is momentarily pressed. The sliding roof stops as soon as the switch is released.	This function opens or closes the sliding roof in 7 stages according to the sliding roof dial switch position.
One touch auto open-and-close	This function enables the sliding roof to be fully opened/closed by pressing the SLIDE OPEN/CLOSE switch for 0.3 sec. or longer.	Pushing the sliding roof dial switch once enables the sliding roof to be fully opened or closed. If the dial switch is pushed again during the sliding roof open or close operation, the sliding roof will stop the operation.
Manual tilt up-and-down	This function causes the sliding roof to tilt up/down while the TILT UP/DOWN switch is momentarily pressed. The sliding roof stops as soon as the switch is released.	—
One touch auto tilt up-and-down	This function enables the sliding roof to be fully tilt up/down by pressing the TILT UP/DOWN switch for 0.3 sec. or longer.	Turning the sliding roof dial switch to the TILT UP or DOWN position enables the sliding roof to be fully tilted up or down.

15. Pre-collision System

The method used for communication between the seat belt control ECU and DLC3 has been changed from serial communication to Controller Area Network (CAN).

16. Cruise Control System and Dynamic Radar Type Cruise Control System

The following has been added as a condition necessary for manual cancel control on models with automatic transmission.

Control	Outline
Manual Cancel Control	If any of the following signals is sent to the ECM, the cruise control is cancelled accordingly. <ul style="list-style-type: none">• When 1st, 2nd or 3rd range is selected in D position by shift paddle switch operation.