## 2011 LEXUS TECHNOLOGY SUMMARY

	PASSENGER CARS											SUVs				
FEATURES	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011		
	HS 250h	IS 250	IS 350	ISF	ES 350	GS 350	GS 460	GS 450h	LS 460/460L	LS 600h L	RX 350	RX 450h	GX 460	LX 570		
ENGINE																
Size in Liters	2.4	2.5	3.5	5.0	3.5	3.5	4.6	3.5	4.6	5.0	3.5	3.5	4.6	5.7		
Configuration	L4	V6	V6	V8	V6	V6	V8	V6	V8	V8	V6	V6	V8	V8		
Number of Cams/Valves	4/16	4/24	4/24	4/32	4/24	4/24	4/32	4/24	4/32	4/32	4/24	4/24	4/32	4/32		
Variable Valve Timing w/intelligence (VVT-i)												S				
Dual VVT-i w/Electronically controlled intake (VVT-iE)	1			S			S			S						
Dual Variable Valve Timing w/intelligence (VVT-i)	S	S	S	S	S	S		S	S		S	S	S	S		
Acoustic Control Induction System (ACIS)	S	S	S	S	S	S	S		S	S	S		S	S		
Active Control Engine Mount					S						S					
Direct-to-Cylinder Fuel Injection		S	S	S		S	S	S	S	S	_					
Electronic Throttle Control System w/intelligence (ETCS-i)	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
Roller Rocker Arms	S	S	S	S	S	S	J	J	, and the second	J	S	J	J	J		
Secondary Port Injectors		J	S	S		J					Ü					
Sequential multiport Fuel Injection (SFI)	S		J	J	S		S	S	S	S	S	S	S	S		
Torque-Activated Powertrain Control	3				3		3	S	S	3	3	J	3	3		
Emissions Certification	SULEV (3)	ULEV-II	ULEV-II	ULEV-II	ULEV-II	ULEV-II	ULEV-II	SULEV (3)	ULEV-II	SULEV (3)	ULEV-II	SULEV (3)	ULEV-II	ULEV-II		
TRANSMISSION / DRIVELINE	30LL V (3)	OLL V-II	OLL V-II	JOLE V (J)	OLL V-II	30LL ¥ (3)	OLL V-II	30LL V (3)	OLL V-II	OLL V-II						
All-Wheel/Four-Wheel Drive		0	0			0			0	S	0	0	S	S		
Automatic Transmission/Number of Speeds		0/6	S/6	S/8	S/6	S/6	S/8		S/8	3	S/6	U	S/6	S/6		
· · · · · · · · · · · · · · · · · · ·	S	0/0	3/0	3/0	3/0	3/0	3/0	S	3/0	S	3/0	S	3/0	3/0		
Electronically controlled Continuously Variable Transmission (ECVT) Sequential-Shift Automatic	3	O(1)	S	S	S	S	S	S (4)	S	S (4)	0	5		S		
Manual Transmission/Number of Speeds	4	S/6	5	3	3	3	3	3 (4)	3	3 (4)	U			3		
,	C	S/6	S	S	C	S	_	C	S	C						
Snow Mode Throttle Delay	S	5	5	5	S	5	S	S	5	S	S		_	S		
Snow Mode/2nd-Gear Start		0 (1)		C					0		5		S	2		
Steering-Wheel-Mounted Paddle Shifters	4	O (1)	S	S					0	_						
Torsen <sup>®</sup> -Limited Slip Center Differential				S						S			S	S		
Transfer Case w/Limited Slip Differential		O(2)	O(2)			O(2)										
Transfer Case w/Locking Center Differential			·										S			
Viscous Limited Slip Differential (AWD only)											S					
STEERING																
Engine Speed Sensing Assist			<u> </u>		S						S		S	S		
Manual Tilt/Telescope	S	S	S													
Power Tilt/Telescope	0	O(6)	O(6)	S	S	S	S	S	S	S	S	S	S	S		
Rack & Pinion Electric Power Steering (EPS)	S	S	S	S		S	S	S	S	S	S	S	S	S		
Rack & Pinion Hydraulic Power Assisted Steering			<u> </u>		S											
Variable Gear Ratio Steering (VGRS)						S	S	S		S				S		
Vehicle Speed Sensing Assist	S	S	S	S		S	S	S	S	S	S	S				
SUSPENSION																
MacPherson Strut Type (front and rear)					S						S	S				
Double Wishbone (front)	S	S	S	S		S	S	S	S				S	S		
Double Wishbone (rear)	S								S							
Live Axle (rear)													S	S		
Multilink (rear)	S	S	S	S	S	S	S	S	S							
Multilink (front)									S							
Active Stabilizer Suspension System							0	S								
Adaptive Variable Air Suspension (AVS)						S	S	S		S				S		
Air Suspension w/Height Control									0	S						
Auto Height Control													S (rear)	S (rear)		
Kinetic Dynamic Suspension System (KDSS)													S	, ( )		
Sport Suspension	O(5)	0	0													
apara and an area and a second	S - Standard					O - Optional										

S - Standard
(1) With automatic transmission
(2) Available with all-wheel drive

O - Optional
(3) SULEV (California); Tier 2 - Bin 3 (all other states)
(4) With Sequential Engine Braking w/ ECVT

(5) With Touring Package (6) Standard on convertible

	PASSENGER CARS SUVs													
FEATURES	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011
	HS 250h	IS 250	IS 350	ISF	ES 350	GS 350	GS 460	GS 450h	LS 460/460L	LS 600h L	RX 350	RX 450h	GX 460	LX 570
WHEELS														
17" Wheel Size	S	S	S		S	S					S	S		S
18" Wheel Size	0	0	0		_	0	S	S	S	0	0	0	S	_
19" Wheel Size	_	O(6)	O(6)	S		_	-	_	0	S	_	_	-	
20" Wheel Size		0 (0)	0 (0)	J					, and the second	J				S
Run-Flat Tires						O (1)	0	0						3
BRAKES						O (I)		Ŭ						
Front Ventilated Disc	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Rear Solid Disc	S	S	3	3	S	3	3	3	3	3	S	S	3	3
Rear Ventilated Disc	3	3	S	S	3	S	S	S	S	S	3	3	S	S
Electronically Controlled Brakes (ECB)			3	3		3	S	S	S	S		S	3	3
. ,							3	5				3		
Electronic Parking Brake and Brake Hold								C	S	S		C		
Regenerative Brakes								S		S		S		
SAFETY						_	_		_					
Dual-stage Front Airbags						S	S		S				S	S
Advanced Front Airbags	S	S	S	S	S			S		S	S	S		
Front Knee Airbag - Driver	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Front Knee Airbag - Passenger	S	S	S	S	S	S	S	S	S	S			S	
Front & Rear Side Curtain Airbags	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Front Seat-Mounted Side Airbags	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Rear Seat-Mounted Side Airbags	S				S				0	0	S	S	S (9)	S
Front-passenger seat occupant classification system	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Pre-Collision System (PCS) w/Dynamic Radar Cruise Control	0				0	0	0	0	0	0	0	0	0	0
Advanced Pre-Collision System (APCS)									0	0				
Front Seatbelt Pretensioners w/Force Limiters	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Rear Outbound Seatbelt Pretensioners w/Force Limiters	S	S	S	S	S	S	S	S	S	S	S	S		S
Impact Detecting Door Unlock	S	S	S	S	S	S	S	S	S	S	S	S		
Vehicle Dynamics Integrated Management (VDIM)		S	S	S			S	S	S	S	0	S		
Vehicle Stability Control (VSC)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Traction Control (TRAC)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Brake Assist (BA)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Anti-lock Braking System (ABS)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Electronic Brakeforce Distribution (EBD)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Hill-start Assist Control (HAC)	S (2)	S(2)	S	S	J	J	J	3	3	3	J	J	S	S
Downhill Assist Control (DAC)	3 (2)	3(2)	J	3									S	S
Tire Pressure Monitor System	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Crumple Zones, Door Beams	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Impact Dissipating Interior Trim	S	S	S	S	S	S	S	S	S	S	S	S	S	S
		S	S	S						S	S	S	S	S
Child Seat Lower & Top Tether Anchors	S	S S	S S	S S	S S	S	S S	S S	S S	S S	S S	S S	S	S S
Brake Override	3	3	3	3	3	3	3	3	5	3	3	3	3	3
SECURITY														
Card Key for SmartAccess										S	_			
Inner Groove Key w/Remote Entry, Panic Alarm Button											S	S	S	
Release Handle Inside Trunk	S	S	S	S	S	S	S	S	S	S				
SmartAccess Keyless Entry and Engine Start System	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Safety Connect	S	S	S	S	S	S	S	S	S	S				
Theft-Deterrent System w/Engine Immobilizer	S	S	S	S	S	S	S	S	S	S	S	S	S	S
EXTERIOR LIGHTING														
Adaptive Front lighting System (AFS)					O (3,4)	0	S	S	S (3)	S (3)	O(4)	O (4)	0	S
Daytime Running Lights (DRL)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Foglights	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Headlight Washer		O(5)	S	0		0	0	S	S	S	0	0		S
High-Intensity Discharge (HID) Headlamps	0	0	S	S	0	S	S	S	S	S (7)	0	0	0	
LED Brakelights	S	S	S	S		S	S	S	S	S	S	S	S	S
LED Headlights	0									S	0	0		
LED Taillights	S					S	S	S	S		S	S	S	S
Smart Beam						-	-	-	S (8)	0	0	-	0	-
***************************************	C Ctdd			L	L	0 0-4			5 (5)	Ŭ				

S - Standard

O - Optional

(6) RWD only

(7) High beams only

<sup>(1)</sup> With automatic transmission; STD w/ AWD

<sup>(2)</sup> With automatic transmission only

<sup>(3)</sup> Dual swivel Intelligent AFS

				SUVs										
FEATURES	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011
	HS 250h	IS 250	IS 350	IS F	ES 350	GS 350	GS 460	GS 450h	LS 460/460L	LS 600h L	RX 350	RX 450h	GX 460	LX 570
WINDOWS/MIRRORS/GAUGES														
Acoustic Glass Windshield (for noise reduction)	S	S	S	S	S			S	S	S	S	S		
Auto Up/Down Windows (with jam protection)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Electronic Chromatic Device (ECD) Meter Glass						S	S	S						
Inside Electrochromic Auto-Dimming Mirror	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Laminated Side Glass									S	S				S
Outside Defogging Mirrors	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Outside Electrochromic Auto-Dimming Mirrors	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Privacy Glass											S	S	S	S
Remote Down Windows	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Reverse Tilt-Down Mirrors	S	S	S	S	S	S	S	S	S	S	S	S	S	S
TFT Multi-information Display									S	S				
UV & IR-Reducing Glass	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Water-Repellent Driver/Front-Passenger Door Glass	S	S	S	S	S	S	S	S	S	S	S	S	S	S
CLIMATE CONTROL														
Dual Zone Front AC Control	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Dual-Zone Rear Automatic Climate Control w/overhead diffusers	_				-					0	_			
Interior Air Filter	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Rear Air Conditioning	_				-					_	_		0	S
Rear Air Purifier and Optical Air Deodorizer									0	0			- C	J
Smog Sensor	S		S	S		S	S	S	S	S			S	
AUDIO								_	-					
Lexus Premium Sound System	S	S	S	S	S	S	S	S	S		S	S	S	S
Mark Levinson® Premium Sound System	0	0	0	0	0	0	0	0		S	0	0	0	0
Acoustic Sun Visor (for noise reduction)	S	S	S	S	Ü	Ü	Ü	Ü		J	Ü		- C	, i
Automatic Sound Levelizer	S	S	S	S	S	S	S	S	S	S	S	S	S	S
AUX Jack for MP3/WMA Compatibility	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Hard Disc Drive (HDD) w/ 2,000-song capacity	3	3	3	3	3	3	3	3	Ö	S	3	3	3	J
In-Dash 6-Disc Auto-Changer	S	S	S	S	S	S	S	S	S	S	S	S	S	S
In-Glovebox 6-Disc Auto-Changer	3	J	3	3	3	3	3	3	3	3	3	3	3	J
Rear Audio Controls (not RSA)									0	0				
Rear Seat Audio (RSA)									Ü	Ü	0	0		S
Rear Seat Entertainment System									0	0	0	0	0	0
Steering Wheel Controls	S	S	S	S	S	S	S	S	S	S	S	S	S	S
XM/Sirius Satellite Radio Compatible	S	S	S	S	S	S	S	S	S	S	S	S	S	S
TELEMATICS			3		3				3	3				
HDD-based GPS Navigation w/ Compass	0	0	0	0	0	0	0	0	0	S	0	0	0	0
Back-up Camera (with Navigation System)	0	0	0	0	0	0	0	S	0	S	0	0	S	S
Certified Bluetooth® Phone Handset Compatible		S		S	S	_				S	S	S	S	S
HomeLink® Universal Transmitter	S		S			S	S	S	S					
	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Lexus Enform®	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XM Radio Reciever (XM subscription required for service)	S	S	S	S	S	S	S	S	S	S	S	S	S	S
XM NavTraffic, Sports and Stocks	0	0	0	0	0	0	0	0	0	0	0	0	0	0

S - Standard O - Optional

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				SUVs										
FEATURES	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011
	HS 250h	IS 250	IS 350	IS F	ES 350	GS 350	GS 460	GS 450h	LS 460/460L	LS 600h L	RX 350	RX 450h	GX 460	LX 570
LUXURY														
Advanced Parking Guidance System									0	0				
Climate Control Heated/Cooled Front and Rear Seats										0				
Climate Control Heated/Cooled Front Seats									0	S				S
Compass	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Cruise Control	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Dynamic Laser Cruise Control														
Dynamic Radar Cruise Control	0	O (1)	0	0	0	0	0	0	0	0	0	0		0
EV Mode	S									S		S		
Fold-away Table										O(3)				
Heated & Ventilated Front Seats	0	0	0	0	0	0	S	S		S			0	S
Heated Front & Rear Seats									0	0			0	
Heated Front Seats	S	S(2)				S	S	S	S	S	0	0	S	
Heated Steering Wheel									S	S			0	0
Heads Up Display	0										0	0		
Infrared Rear Seat Body Heat Sensor										O(3)				
Intuitive Parking Assist	0	0	0	0	0	0	0	S	S (4)	S	0	0	0	0
Leather-trimmed Instrument Panel										S				
Panorama Glass Roof (requires Ultra-Luxury Package)					0									
Power Door Closers									0	S				
Power Rear Door Sunshades										0				
Power Rear Sunshade	0	0	0	0	0	0	0	0	0	S				
Power Remote Cargo Door											S	S		S
Power RSES Screen										O(3)				
Power Trunk Closer						S	S	S	S	S				
Power-Tilt/Slide moonroof	S	0	0	S	S	S	S	S	S	S	0	0	S	S
Rain-Sensing Windshield Wipers	0	0	0	0	S	0	0	S	S	S	0	0	S	S
Rear Cool Box (w/ Exec. Class Seating Pkg.)										0				
Rear Seat Vanity Mirrors									S	S				
Rear Seat w/Recline, Multi-function Massage										0				
Trunk Pass-Through	S	S	S	S	S	S	S		S					
Number of 12-Volt Powerports (in addition to lighter)	1	1	1	1	1	1	1	1	2	2	2	2	1	1
115-Volt Powerport											0	0	S	S
TOWING														
Towing Capacity - lbs. (when equipped with the appropriate hitch)											3,500	3,500	6,500	6,500

S - Standard

(1) on automatic only (2) IS 250 AWD only O - Optional

(3) With Exec. Class Seating Pkg. II (4) LWB only