

**GS430/300****OUTLINE OF NEW FEATURES**

The GS430/300 is truly a driver's car of the highest dimension. Its combination of style and function give the car a nimble and solid form and impart a progressive and sophisticated image. The following changes have been made for the 2001 model year.

**1. Model Line-Up**

- UZS161L-BEAQKA has been added.
- UZS160L-BEAQKA has been discontinued.

**2. Exterior**

- The design of the radiator grille has been changed.
- The headlight extension color has been changed.
- The design of the 16-inch wheel and wheel ornament have been changed.
- The design of the rear combination lights have been changed.
- The design of the baffles in the muffler has been changed.
- The front door windows have adopted water-repellent type glass.
- A tether has been provided to prevent the fuel filler cap from being lost.

**3. Interior**

- The design of the meter cluster has been changed.
- The color of the center register has been changed.
- A chrome-plated hole bezel has been adopted for the automatic transmission shifter.
- The front panel of the ashtray receptacle has adopted genuine wood.
- The design of the steering wheel has been changed.
- An assist grip has been newly added to the driver's side.

**4. 2JZ-GE Engine**

- Iridium-tipped spark plugs have been adopted.
- A fuel cut control is adopted to stop the fuel pump when the airbag is deployed at the front or side collision.
- The method for detecting the evaporative emission leaks has been changed and the composition of the evaporative emission control system has been partially changed.

## 5. 3UZ-FE Engine

On '01 GS430, base on the 1UZ-FE engine adopted on '00 GS400, 3UZ-FE engine of V8, 4.3-liter, 32-valve DOHC with the enlarged boar has been adopted.

This engine has adopted the VVT-i (Variable Valve Timing-intelligent system), ACIS (Acoustic Control Induction System) and ETCS-i (Electronic Throttle Control System-intelligent), and these control functions have been optimized in order to realize the further improvement of the engine performance, fuel economy and to reduce exhaust emissions.

## 6. A650E Automatic Transmission

- The same A650E 5-speed automatic transmission [Super ECT (Electronically Controlled Transmission)] used on the previous model continues to be used on the GS300, and has been newly adopted on the new GS430. The internal construction of this transmission differs slightly between the GS430 and GS300 applications in accordance with the output characteristics of the respective engines.
- The E-shift is used on the GS300. The E-shift system, which has transmission shift switches located on the steering wheel, enables the driver to manually shift the ranges without having to release the hands off the steering wheel, provided that the floor shift lever is engaged in the M position. The GS430 discontinues to adopt the E-shift.

## 7. Differential

The '01 GS430/300 continues to use the same differential used on the '00 GS400/300. However, its gear ratio has been optimized in accordance with the output characteristics of the engine of the GS300. For details, see page 84.

## 8. Suspension

Low-pressure (N<sub>2</sub>) gas-sealed front shock absorbers with a linear control valve have been adopted on the GS430/300.

## 9. Brake

- On the '01 GS430, the shape of the dust covers of the front brakes has been changed in conjunction with the output characteristics of the engine in order to improve the cooling performance.
- The diameter of the master cylinder has been changed from 22.22 mm (0.87 in.) to 26.99 mm (1.06 in.) for the excellent brake feel and control performance.

## 10. Body

- The construction of the asphalt sheet has been optimized and its application areas have been expanded to reduce engine and road noise.
- A CRS anchor bracket and CRS lower anchorage have been provided to comply with the FMVSS 225 (regulation concerning anchoring devices designed exclusively for securing a child seat).
- Internal trunk release handle has been added.

## 11. Multiplex Communication System

- An airbag sensor assembly and a steering pad switch (only for the GS430) have been newly added to the BEAN (Body Electronics Area Network). Furthermore, on the models with the GPS (Global Positioning System) voice navigation system, a gateway ECU that provides the function to convert the transmission signals between the BEAN and the AVC-LAN (Audio Visual Communication - Local Area Network) has been added. Along with the addition of these items, new DTCs (Diagnosis Trouble Codes) have been added to the multiplex communication system.
- The multimedia ECU has been discontinued.

## 12. Air Conditioning

A deodorizing function that eliminates the exhaust gas smell that enters the cabin from the outside has been added to the conventional clean air filter. This clean air filter uses spreading type activated charcoal in the deodorizing layer to eliminate the exhaust gas smell.

## 13. Power Window System

In the power window system, the starting time of the transmitter-linked up-and-down function has been changed from approximately 1.5 seconds to approximately 2.5 seconds.

## 14. Door Lock Control System

“Automatic door lock,” “One-motion door unlock” and “Collision door lock release” functions have been added to the door lock control system.

## 15. Wireless Door Lock Remote Control System

In the all-door lock and unlock operation function of the wireless door lock remote control system, the following function has been added to inform the driver that the operation has been completed: the hazard light flashes once when locking, and flashes twice when unlocking.

## 16. SRS Airbag System

- A curtain shield airbag has been adopted as the SRS (Supplementary Restraint System) of the '01 GS430/300. This curtain shield airbag operates under the same condition as the side airbag.
- A function that detects whether or not the front passenger seat is occupied and prohibits the deployment of the front passenger airbags (front, side and curtain shield) if the seat is unoccupied, has been adopted in the SRS airbag system.
- The airbag sensor assembly has been added to the BEAN (Body Electronics Area Network).
- The '01 GS430/300 have adopted a fuel cut control that stops the fuel pump if the SRS driver's and front passenger's airbags have been deployed.

## 17. Multi Display

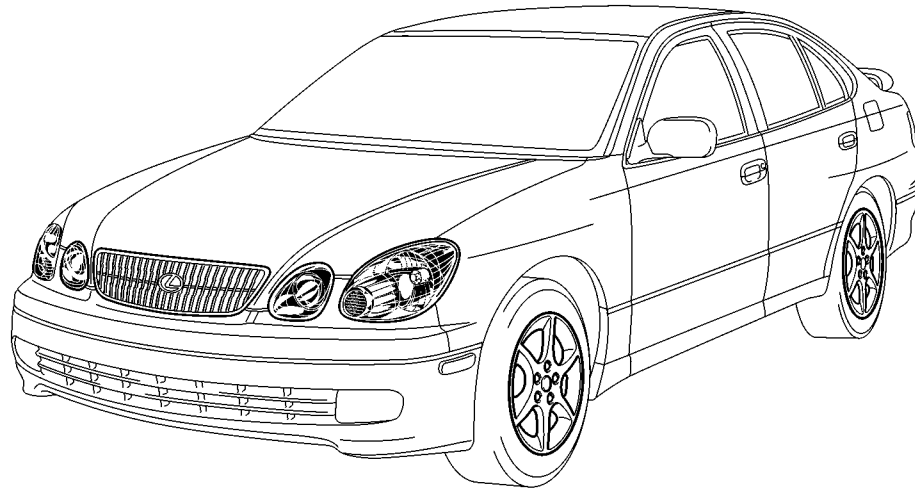
- The multi display size has been changed from usual 5.8-inch to 7-inch to improve the visibility and operational ability.
- Through the use of the GPS (Global Positioning System) and map data in a DVD (Digital Versatile Disc), this navigation system analyzes the position of the vehicle and indicates that position on the map that is displayed on the screen.

## 18. Audio

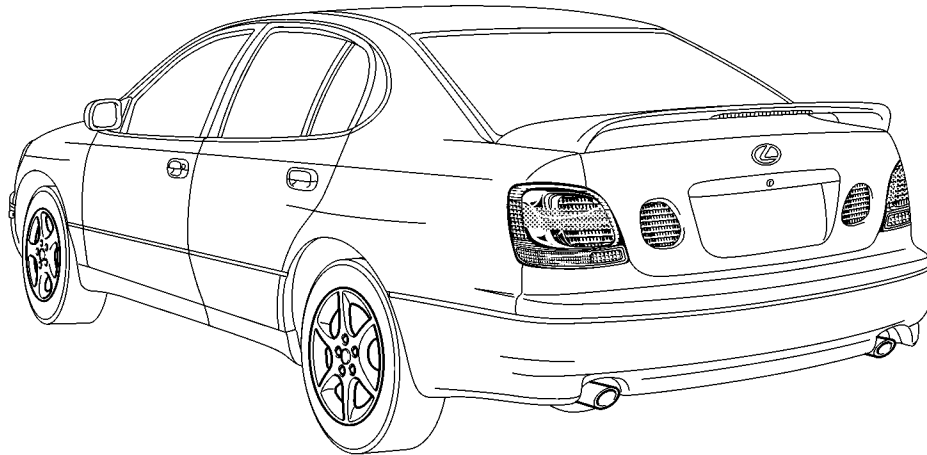
- A steering pad switch that operates the audio unit has been provided on the steering wheel of the '01 GS430. This steering pad switch, which contains frequently used audio switches, improves the ease of use of the audio unit.
- For LEXUS premium sound system, usual Nakamichi product has been discontinued and a new power amplifier and speaker of Mark Levinson products have been adopted.

## 19. Automatic Glare-Resistant EC Mirror and Compass

A compass display has been adopted to the usual automatic glare-resistant EC mirror (inner rear view mirror) on models without GPS (Global Positioning System) voice navigation as optional equipment. For details, see page 120.



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