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Title: INTRODUCTION: FEATURES: EQUIPMENT; 2024 MY Land Cruiser [02/2024 -]		

EQUIPMENT

OUTLINE

(a) Tire Pressure Warning System

- (1) The tire pressure warning system is provided.
- (2) The direct-sensing type tire pressure warning system directly detects the tire pressure via tire pressure warning valve and transmitters installed in each disc wheel, and warns the driver about drops in tire pressure by illuminating the tire pressure warning light when the tire pressure drops below the threshold to reduce CO₂ emissions and improve safety.

(b) Audio and Visual System

- (1) The Audio and visual system is provided.
- (2) The following audio and visual system are available:

AUDIO AND VISUAL SYSTEM	AUDIO HEAD UNIT	MULTI-DISPLAY	SPEAKER
Multimedia System (Standard Model)	Radio and Display Receiver Assembly	8-inch	6 Speakers
		12.3-inch	10 Speakers
Multimedia System (JBL Premium Model)		12.3-inch	14 Speakers

(c) Active Noise Control System

- (1) An active noise control system is used. The active noise control system consists of the Active Noise Control (ANC) function.
- (2) An active noise control system is used to reduce muffled sounds from the engine and propeller shaft, ensuring high levels of quietness in the cabin.
- (3) The active noise control system uses a microphone to detect the muffled sounds emitted in synchronization with the speed of the engine and propeller shaft, and then outputs electronic control sounds with an inverted phase to the muffled sounds through the audio speakers, reducing the muffled sounds.

(d) Telematics System

- (1) The telematics system is provided.
- (2) The telematics system provides communication between the driver and call center, and links the audio head unit to data received from various content providers or servers. Received data (e.g. recent map data, data from content providers, etc.) is utilized by the audio head unit and displayed on the multi-display.

(e) Garage Door Opener System

- (1) The garage door opener system is provided.
- (2) The garage door opener system enables a garage door to be opened or closed from inside the vehicle by operating one of the garage door opener switches that is provided in the inner rear view mirror assembly.

(f) Safety Connect System

- (1) The safety connect system is provided.
- (2) Safety Connect is a subscription-based telematics service* that uses the Global Positioning System (GPS) and cellular service (telephone function).

- (3) Safety Connect is a service that offers emergency assistance in the event of vehicle theft or an accident that causes the airbag sensor assembly to send an airbag deployment signal, or door lock release signal. In accordance with the situation, the call center quickly calls the police or an ambulance via a Public Safety Answering Point (PSAP) and contacts Roadside Assistance services.

HINT:

*: The areas serviced by Safety Connect are subject to limitations. For details on the coverage area, refer to the Navigation System Owner's Manual.

(g) Intuitive Parking Assist System

- (1) The intuitive parking assist system is provided.
- (2) The intuitive parking assist uses ultrasonic sensors to detect stationary objects in front of, at the corners or to the rear of the vehicle.

(h) Parking Support Brake System

- (1) The parking support brake system is provided.
- (2) The parking support brake system reduces the risk of damage during accidents by warning the driver, suppressing the drive force and controlling the brakes when there is a possibility of contact with forward or rearward stationary objects, vehicles approaching from the rear or pedestrians behind the vehicle when moving forward or backwards.

(i) Rear View Monitor System

- (1) The rear view monitor system is provided.
- (2) To assist the driver in parking the vehicle by monitoring the area behind it, the rear view monitor system has a television camera assembly mounted on the back door.

(j) Blind Spot Monitor System

- (1) The blind spot monitor system is provided.
- (2) The following functions and systems are controlled using 2 blind spot monitor sensors.
 - BSM (Blind Spot Monitor) Function
 - RCTA (Rear Cross Traffic Alert) Function
 - SEA (Safe Exit Assist) Function
- (3) The BSM function uses sensors to detect vehicles that are in or rapidly approaching the vehicle's blind spot, helping the driver to confirm safety when changing lanes.
- (4) The blind spot monitor function is a function that detects vehicles in the blind spot area or vehicles that are rapidly approaching the blind spot from the rear. When any vehicle is detected, the respective outer rear view mirror indicator light illuminates, and when the turn signal switch is operated, the outer rear view mirror indicator light flashes to remind the driver to confirm that conditions are safe when changing lanes.
- (5) If the RCTA function detects a vehicle approaching from the right or left at the rear of the vehicle while the driver is reversing in a parking lot, the function alerts the driver by sounding the meter buzzer and flashing the outer rear view mirror indicator light to provide information for the driver, supporting decision making.
- (6) The SEA function detects vehicles (including bicycles) approaching from the rear when the vehicle is stopped. If the system determines that a collision is possible, it illuminates the outer rear view mirror indicator light. If an attempt is made to open a door that could result in a collision, it blinks the outer rear view mirror indicator light. The system also displays a warning on the multi-information display, sounds the meter buzzer and outputs the voice notification to warn passengers, in order to help avoid collisions and reduce damage.

(k) Multi-terrain Monitor System

- (1) The multi-terrain monitor system is provided.

- (2) The multi-terrain monitor system is equipped with two functions. The multi-terrain monitor function helps the driver to check for obstacles around the vehicle or tires during off-road driving, by displaying images from under the vehicle and around the vehicle on the multidisplay. The panoramic view monitor function helps the driver to check around the vehicle and to drive at low speed or park, by displaying a seamless overhead image (panoramic view) composed of images taken by the high resolution camera.

(l) Power Door Lock Control System

- (1) The power door lock control system is provided.

(m) Wireless Door Lock Control System

- (1) The wireless door lock control system is provided.

(n) Smart Key System

- (1) The smart key system is provided.

(o) Digital Key System

- (1) The digital key system is provided.

- (2) The digital key system enables a smart device to be used instead of the electrical key for operations such as locking and unlocking the vehicle by installing the digital key application onto the smart device. Also, if the smart device is placed near the console box after getting into the vehicle, the hybrid system can be started with the push start switch.

(p) Theft Deterrent System

- (1) The theft deterrent system is provided.

- (2) The theft deterrent system will operate when an attempt is made to forcibly enter the vehicle, open the engine hood, or unlock any door without the electrical key, when the auxiliary battery terminals are removed and reconnected.

(q) My Settings System

- (1) The my settings system is provided.

- (2) My Settings system is used to offer tailored service and comfortable interior space for each driver. Using the driver identification device, the driver is identified and the stored vehicle settings for the driver will be recalled collectively.

(r) Illuminated Entry System

- (1) The illuminated entry system is provided.

- (2) The illuminated entry system turns the lights on and off in conjunction with the opening and closing or locking and unlocking of the doors, ensuring nighttime usability.

(s) Collision-linked Interior Light Control

- (1) The collision-linked interior light control is provided.

- (2) Collision-linked interior light control is used to automatically turn the interior lights on when an impact causes the SRS airbags to deploy.

(t) Combination Meter Assembly

- (1) A 7-inch or 12.3-inch color TFT type combination meter assembly is used.

(u) Supplemental Restraint System

- (1) The dual-stage Supplemental Restraint System (SRS) driver and front passenger airbag supplement the seat belts to help reduce shock to the head and chest of the driver and front passenger in the event of a frontal collision.

- (2) The SRS driver knee airbag and front passenger knee airbag supplement the seat belts to help restrain the occupant's lower body (mainly knees) of the driver and front passenger in the event of a frontal collision, enhancing the effectiveness of occupant protection.

- (3) The SRS front seat cushion airbag supplements the seat belt to prevent the front passenger from sliding forward in the event of a frontal collision.
 - (4) The SRS driver and front passenger side airbags are used to help reduce shock to the chest of the driver and front passenger in the event of a side collision.
 - (5) The SRS curtain shield airbag assemblies are used to help reduce shock to the head of the driver, front passenger and rear passengers in the event of a frontal, side collision.
 - (6) The Roll Sensing Curtain shield Airbags (RSCA) help to reduce the impact applied to the occupants by operating the seat belt pretensioners for the driver, front passenger and rear outer passengers and the SRS curtain shield airbag assemblies LH and RH.
- (v) Occupant Classification System
- (1) The occupant classification system is provided.
 - (2) The occupant classification system judges whether the front passenger seat is occupied by an adult or child (with a child seat) or is unoccupied, in accordance with the load that is applied to the front passenger seat and whether the seat belt is fastened.
- (w) Seat Variation
- (1) Depending on the specifications of the vehicle, an 8-way power seat or 6-way manual seat is provided for the driver seat.
 - (2) Depending on the specifications of the vehicle, an 8-way power seat or 4-way manual seat is provided for the front passenger seat.
 - (3) 60/40 split folding tumble seats are provided for the rear No. 1 seat.
 - (4) Manual retractable 50/50 split folding seats are provided for the rear No. 2 seat.
- (x) Air Conditioning System
- (1) The automatic air conditioning system uses left and right independent temperature control or multi-zone (3-ZONE) climate control and neural network control is provided.
- (y) Rear Window Defogger System
- (1) The rear window defogger system is provided.
 - (2) The rear window defogger system uses the heater wires on the back door glass to defog the back window glass.
- (z) Windshield Deicer System
- (1) The windshield deicer system is provided.
 - (2) The windshield deicer system uses a heater element in the windshield glass to help reduce the formation of ice where the front wipers park.
- (aa) Power Back Door System
- (1) The power back door system is provided.
 - (2) The power back door system enables the back door to be opened and closed automatically by a motor in accordance with signals from the power back door control switch, No. 1 power back door control switch , back door control switch, back door opener switch or power back door button on an electrical key transmitter sub-assembly.
 - (3) The hands free power back door function which enables the back door to be opened by performing a kick operation (foot moved within proximity of kick door control sensor assembly of rear bumper and then withdrawn) is used.
- (ab) Mirror System
- (1) The outer rear view mirror which has the position memory system, automatically-retractable function, reverse-linked function and mirror heater function is provided in accordance with the specification.

(ac) Wiper and Washer System

- (1) A wiper system with a rain sensing function or vehicle speed-sensing, adjustable interval function is available.

(ad) Light Emitting Diode (LED) Headlight System

- (1) The LED headlight system use LEDs as its light source. This system consists of LEDs and headlight computer.

(ae) Daytime Running Light System

- (1) The daytime running light system is provided.
- (2) The daytime running light system is designed to automatically illuminate the Light Emitting Diode (LED) lights during the daytime to keep the vehicle highly visible to other vehicles.

(af) Light Auto Turn-off System

- (1) The light auto turn-off system is provided.
- (2) The light auto turn-off system is used to prevent the driver from leaving the vehicle with the headlights, parking lights, front fog lights, front side marker lights, taillights, rear side marker lights or license plate lights on.

(ag) Automatic Headlight Beam Level Control System

- (1) The automatic headlight beam level control system is provided.
- (2) When the vehicle is stopped with the hybrid system and headlights on, the automatic headlight beam level control system operates the headlight leveling motors in accordance with movement of the vehicle.

(ah) Automatic Light Control System

- (1) The automatic light control system is provided.
- (2) When the light control switch is in the AUTO position, the automatic light control sensor detects the ambient light level and automatically turns the headlights, parking lights, front fog lights, front side marker lights, taillights, rear side marker lights and license plate lights on or off accordingly.

(ai) Welcome Light Illumination System

- (1) The welcome light illumination system is provided.
- (2) The welcome light illumination system operates the parking lights and front side marker lights in conjunction with the locking and unlocking of the doors, ensuring nighttime usability.

(aj) Headlight On/Off Reminder Control System

- (1) The headlight on/off reminder control system is provided.
- (2) When the user forgets to turn the headlights on or off, a warning message is displayed on the multi-information display in the combination meter assembly.

(ak) Wiper-linked Low Beam Headlight Control System

- (1) The wiper-linked low beam headlight control system is provided.
- (2) Wiper-linked low beam headlight control is designed to automatically illuminate the low beam headlights when it is raining to make the vehicle more visible to other vehicles.

(al) Collision-linked Control System

- (1) The collision-linked control system is provided.
- (2) When a collision occurs where the SRS airbags are deployed, the turn signal lights are flashed to inform people near the vehicle of its location.

(am) Lane Change Flasher System

- (1) The lane change flasher system is provided.

(2) The lane change flasher system flashes the turn signal light a certain number of times when the turn signal switch is moved to the lane change position. By using the lane change flasher system when changing lanes, it is no longer necessary to hold the turn signal switch in the lane change position.

(an) Acoustic Vehicle Alerting System

- (1) The acoustic vehicle alerting system is provided.
- (2) When the vehicle is being driven quietly using the motor only, the acoustic vehicle alerting system outputs a warning sound from the vehicle approaching speaker assembly to inform pedestrians, cyclists etc., of the approach of the vehicle.

(ao) Toyota Safety Sense

- (1) The preventive safety package "Toyota Safety Sense" has been adopted to support the safe driving.
- (2) The Toyota Safety Sense consists of the driving assist systems and contributes to a safe and comfortable driving experience:
 - PCS (Pre-Collision System)
 - FCTA (Front Cross Traffic Alert)
 - Dynamic Radar Cruise Control
 - LTA (Lane Tracing Assist)
 - LDA (Lane Departure Alert)
 - LCA (Lane Change Assist)
 - EDSS (Emergency Driving Stop System)
 - RSA (Road Sign Assist)
 - AHB (Automatic High Beam System)
 - PDA (Proactive Driving Assist)
 - Traffic Jam Assist

(ap) Exterior Colors and Interior Colors

Exterior Color

COLOR NO.		COLOR NAME
040		Super White II
089		Platinum White Pearl Mica
1L7		Dark Gray
202		Black
218		Attitude Black Mica
2ZC	5C8	Sand
	1M4	Light Gray
2ZD	8X0	Smoky Blue
	1M4	Light Gray
4V8		Avant-garde Bronze Metallic
5C8		Sand
8X0		Smoky Blue

Interior Color

COLOR NO.	COLOR NAME
20	Black
21	1st Edition Black
40	Dark Chestnut
41	1st Edition Dark Chestnut

