TECHNICAL INSTRUCTIONS

LIMITED SERVICE CAMPAIGN 22LD01

OPTIONAL BODY-COLORED REAR SPOILER DESIGNED FOR:

CERTAIN 2021 MODEL YEAR IS 300 VEHICLES

The repair quality of covered vehicles is extremely important to Lexus. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course "Safety Recall and Service Campaign Essentials". To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to currently have completed all of the following courses:

• L623 - Lexus Electrical Circuit Diagnosis

Always check which technicians can perform the repair by logging on to https://www.LCTPReports.com. It is the dealership's responsibility to select technicians with the above certification level or greater to perform this repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

- 1. CHECK VEHICLE FOR CAMPAIGN ELIGIBILITY
 - a. Compare the vehicle's VIN to the VIN listed on the Repair Order to ensure they match.
 - b. Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Campaign, and that it has not already been completed.

NOTE: TMNA warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were previously completed, even by another dealer.

III. BACKGROUND

The involved vehicles could be equipped with one of the 53 optional body-colored rear spoilers covered by this campaign which may allow water to leak into the trunk area of the vehicle through the holes used to fasten the spoiler onto the trunk lid. If this occurs, customers may notice water in the trunk area and some components in the vehicle could become damaged.

IV. PREPARATION

1. PARTS

Parts Look-Up and Warranty Op Code Look Up Website

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- 1. As you inspect components and inspect for organic growth, you will indicate your inspection results for each component in the parts website.
- 2. When finished with all inspections, the parts look up site will display the list of needed replacement parts, materials, and the warranty Op Code based on your inspection results.
- 2. TOOLS & EQUIPMENT
 - o **Techstream**
 - Standard Hand Tools
 - Flashlight
- OSHA-Approved Air Blower (air blow gun)
- Protective Eyewear
 - Other tools and materials may be needed based on inspection findings

INSPECT SPOLIER

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- 1. DETERMINE IF VEHICLE IS EQUIPPED WITH THE AFFECTED BODY-COLORED REAR SPOLIER
 - a. Look at the exterior aft edge of the deck lid (trunk) to determine if the vehicle is equipped with the affected body-colored rear spoiler covered by this Limited Service Campaign.

Note: the spoilers shown in the diagram below are Genuine Lexus Spoilers. After-market spoilers will not appear in the diagrams below and are not covered by this Limited Service Campaign.





NOTE: The vast majority of vehicles covered by this campaign <u>should not</u> be equipped with the affected body-colored rear spoiler.

VI. PERFORM CONNECTOR DRYING PROCESS





6. RECONNECT ALL THE CONNECTORS

a) Do not reinstall the luggage liner. It will need to stay off for spoiler replacement later.

VII. PERFORM COMPONENT INSPECTION



1. PERFORM COMPONENT INSPECTION

Inspect each of the following components for damage caused by potential water intrusion by following the instructions beginning on this page.

- 1. Audio Amplifier Assembly
- 2. Back-up Camera Assembly
- 3. Luggage Compartment Door Lock Assembly

2. ACCESS PARTS LOOK UP AND WARRANTY OPCODE LOOK UP WEBSITE

URL: https://22ld01-parts-warrantyopcode.imagespm.info/login
 User Name: dealer code (5-digits)
 Password: input the default password if accessing for the first time → "xxxxx"

3. NAVIGATE TO THE AUDIO AMPLIFIER ASSEMBLY PAGE SHOWN BELOW



4. FOLLOW THE INSTRUCTIONS ON NEXT PAGE TO BEGIN INSPECTING THE AUDIO AMPLIFIER

Audio Amplifier Assembly

1. COMPONENT INSPECTION #1 – AUDIO AMPLIFIER ASSEMBLY











2. COMPONENT INSPECTION #2 – BACK-UP CAMERA ASSEMBLY







3. COMPONENT INSPECTION #3 – LUGGAGE COMPARTMENT DOOR LOCK ASSEMBLY



CONFIRM PROPER FUNCTION

- **1.** Press the luggage lock button to actuate the luggage compartment door lock assembly
- Close the trunk and actuate the luggage compartment door lock assembly two (2) more times to confirm proper operation





1. INSPECT THE TRUNK AREA FOR SIGNS OF ORGANIC GROWTH CAUSED BY WATER INTRUSION





b) Remove the bolt and rope hook assembly

- c) Disengage the clipd) Disengage the 5 guides and remove the deck side trim box LH

7. REMOVE DECK SIDE TRIM BOX RH

e) Disengage the 2 claws and open the cover

f) Remove the bolt and rope hook assembly



- g) Disengage the clip
- h) Disengage the 5 guides and remove the deck side trim box RH

- 8. REMOVE FRONT LUGGAGE COMPARTMENT TRIM COVER
 - i) Remove the 3 clips
 - j) Disengage the 2 fasteners to remove the front luggage compartment trim cover
- 9. REMOVE THE SPARE TIRE FROM THE VEHICLE

10. VISUALLY INSPECT THE TRUNK FOR ORGANIC GROWTH

a) Visually inspect the areas, shown below, for signs of organic growth caused by water intrusion.

NOTE: The areas shown immediately below are the most prone to organic growth because they are coated in factory applied LASD (liquid applied sound deadening).



Examples of Organic Growth





11. VISUALLY INSPECT TRUNK FABRIC LINER COMPONENTS FOR ORGANIC GROWTH

a) Visually inspect the fabric liners, shown below, for signs of organic growth caused by water intrusion.





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- 12. VISUALLY INSPECT REMOVED TRIM COMPONENTS FOR SIGNS FOR ORGANIC GROWTH.
 - a) Visually inspect the trim components, removed in earlier steps, for signs of organic growth caused by water intrusion.



b) Organic growth is <u>most commonly</u> found on the jute padding. But you should inspect both sides of the panel







WEBSITE PROMT – ORGANIC GROWTH INSPECTION

Indicate on the website if you identified organic growth



IX. WEBSITE RESULTS

1. DISPLAY WEBSITE RESULTS FOR NEEDED REPLACEMENT PARTS, MATERIALS, AND WARRANTY OP CODE

- a. The website will display all needed parts, materials, and warranty op code
- b. Share this information to the relevant parts are warranty staff members. Note: the website saves the results once you finish the process so that the warranty and/or parts admin may look-up the results later if they wish.

VIN: JTHAA1D25M5109239					
P/N	Description	Quantity	Repair	Notes	
86280-53250	AMPLIFIER ASSY, STEREO COMPONENT	1	Audio Amplifier Assembly Replacement	Scroll down for	
867A0-53010	CAMERA ASSY, TELEVISION	1	Back-up Camera Assembly Replacement	OpCode and sublets	
64600-53100	LOCK ASSY, LUGGAGE COMPT DOOR W/MOTOR	1	Luggage Compartment Door Lock Assembly Replacement		
64277-53010-C0	COVER, ROOM PARTITION, NO. 2	1 as needed	Organic Growth Remediation		
64722-53170-C2	MAT, LUGGAGE COMPARTMENT FLOOR	1 as needed	Organic Growth Remediation		
64713-53040-C1	COVER, LUGGAGE COMPARTMENT TRIM,	1 as	Organic Growth		

X. REMEDIATE ORGANIC GROWTH (If Necessary)



1. INITIATE ORGANIC GROWTH REMEDATION PROCEDURES

Prepare the vehicle for organic growth remediation by following the instructions in L-SB 0004-22. Start with the disassembly procedure on Page 8 of 21. Key steps are shown below

- 1. Disassembly procedure guidelines for interior component removal
- 2. Liquid Applied Sound Deadener (LASD) Removal Procedure
- 3. Preparation for SERVPRO Remediation
- 4. SERVPRO Remediation Service Request

2. POST REMEDIATION STEPS

- 1. Application of Urethane Seam Sealer (If removed during LASD removal)
- 2. Installation of Floor Silencer Sheeting in place of LASD. Replacement Silencer Sheeting part number details below.

Part Number	Description	Maximum Quantity
58651-22H91	Silencer Sheeting (3.0 mm thickness)	2
58651-22H92	Silencer Sheeting (1.5 mm thickness)	1

3. Interior Reassembly Procedure A. Re-install vehicle interior, replacing organic growth damaged components as necessary.

XI. REPLACE COMPONENTS (If Necessary)

STOP	 If organic growth was detected during the organic growth inspection process starting on page 18, the organic growth remediation process (which is performed by SERVPRO[™]) must be completed <u>before</u> you replace any components. Do not replace components that don't need to be replaced. Only replace components that failed the component inspection procedures (starting on page 10). If no component replacement is required, skip this section and proceed to page 28 to begin spoiler replacement.
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1. ACCESS THE TIS REPAIR MANUAL FOR REPLACEMENT INSTUCTIONS

ONLY REPLACE COMPONENTS THAT FAILED THE COMPONENT INSPECTION

Audio Amplifier Assembly		
REMOVAL*	AUDIO / VIDEO: STEREO COMPONENT AMPLIFIER: REMOVAL; 2021 -	
	2022 MY IS300 IS350 IS500 [09/2020 -]	
	Doc ID: RM10000001TF5X	
INSTALLATION	AUDIO / VIDEO: STEREO COMPONENT AMPLIFIER: INSTALLATION;	
	2021 - 2022 MY IS300 IS350 IS500 [09/2020 -]	
	Doc ID: RM10000001TF5M	
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* There is no need to remove the rear seat to replace the audio amplifier assembly

Back-up Camera Assembly			
REMOVAL	PARK ASSIST / MONITORING: TELEVISION CAMERA (for Rear): REMOVAL: 2021 - 2022 MY IS300 IS350 IS500 [09/2020 -]		
	Doc ID: RM10000001S88Y		
INSTALLATION	PARK ASSIST / MONITORING: TELEVISION CAMERA (for Rear): INSTALLATION; 2021 - 2022 MY IS300 IS350 IS500 [09/2020 -]		
	Doc ID: RM10000001S88Z		

Luggage Compartment Door Lock Assembly		
REMOVAL	DOOR LOCK: LUGGAGE COMPARTMENT DOOR LOCK: REMOVAL;	
	2014 - 2022 MY IS200T IS250 IS300 IS350 IS500 [04/2013 -]	
	Doc ID: RM100000006IPD	
INSTALLATION	DOOR LOCK: LUGGAGE COMPARTMENT DOOR LOCK: INSTALLATION;	
	2014 - 2022 MY IS200T IS250 IS300 IS350 IS500 [04/2013 -]	
	Doc ID: RM100000006IPA	

Trunk Trim Components

If any trim components in the trunk require replacement because organic growth was present on them, refer to the applicable repair manual procedure on TIS.

XII. REPLACE SPOLIER (If Necessary)



Spoiler replacement is only necessary if the vehicle is equipped with the optional body colored rear spoiler. Refer to Section VII on page 6 for instructions on how to confirm if a vehicle is equipped with the body colored rear spoiler.

1. CONFIRM YOU HAVE THE NEEDED MATERIALS





2. PREPARE THE VEHICLE

- a) Remove new spoiler from packaging and inspect for damage.
 - b) Installation of the rear spoiler should not take place until the deck lid and rear spoiler are be between 60°F and 90 °F for proper adhesion of adhesive tape. Use a hot air blower to heat the surface if the temperature is below 60°F.
- c) Open the trunk and place blankets to protect the vehicle (Fig. 1-1).



3. REMOVE TRIM PANEL

- a) The deck lid liner panel should already be removed from the connector drying process. However, if the panel is still installed, use a trim removal tool to disengage and remove the 11 clips from the interior decklid panel. (Fig. 2-1).
- b) Remove the interior decklid panel to expose the inside area of the decklid (Fig. 2-2).

4. REMOVE EXISITING SPOILER

a) Remove four (4) M6 nuts from the existing spoiler inside deck lid.

NOTE: Carefully close trunk after nuts are removed

- b) Add protective tape / wrap guard to the Spoiler mating surface on the deck lid.
- c) Starting on outside corner, use a plastic pry tool to remove the exiting spoiler and any tape adhering to the surface (Fig. 3-2).



- a) Disengage the clips, and use the pry tool on opposite corner to remove existing spoiler (Fig. 3-3).
 - NOTE: The center clip on the spoiler should <u>break</u> during removal and make an audible noise. It is OK for this clip to break.
- b) Using surface cleaner, remove any adhesive residue and <u>thoroughly clean</u> the entire surface of any dirt and debris to maximum adhesion for the new spoiler. Wipe dry. (Fig. 3-4).

5. **NEW REAR SPOILER PREPERATION**





STOP Do not remove tape liner on new spoiler yet.

- Dry-Fit spoiler to decklid to confirm hole alignment. The deck lid and rear spoiler a) should be between 60°F and 90 °F for proper set-up of adhesive tape. Use a hot air blower to heat the surface if the temperature is below 60°F
- b) Apply auto body sealant to DECK LID: Apply a 5mm thick (minimum) continuous bead of auto body sealant to the perimeter of the holes in the deck lid indicated in the picture below.



NOTE: The diameter of the sealant nozzle = 5mm. Thus, the tube should automatically produce a 5mm bead



c) **Apply auto body sealant to <u>SPOILER</u>:** Apply a 5mm thick (minimum) continuous bead of auto body sealant to the three (3) areas on the spoiler shown below.





d) Remove two grommets from hardware pack and press into the two outermost holes in the decklid. Ensure the tabs are fully engaged under the sheet metal (Fig. 5-1)

- e) Remove the tape liner from the backside of the spoiler in all locations.
 - NOTE: Once the release liner is removed from the molding, the surface of the foam tape must not be touched

6. SPOILER INSTALLATION

a) Align the five (5) studs and one (1) clip in the spoiler to the holes in the decklid and install the spoiler to the vehicle.



- b) Apply pressure to the spoiler to ensure tape adhesion and clip engagement (Fig. 6-2)
 - NOTE: Do not put direct pressure on the far rear edge of the spoiler as this can rotate the spoiler and reduce wetout (Fig 6-2, the red area)
- c) Install the four (4) M6 nuts onto the studs inside the decklid and torque to 3.8 Nm (33.6 in.lb) using a torque wrench (Fig. 6-3)

Torque: 3.8 Nm (33.6 in.lb)

7. REINSTALL THE INNER PANEL

a) Align the decklid interior panel and reinstall by firmly pressing the 11 clips back into place (Fig. 7-1).

8. INSPECT THE REAR SPOLIER

- Ensure the rear spoiler is centered left to right
- Ensure all adhesive spray is proper adhered



9. REINSTALL ALL TRUNK TRIM PANELS

a) Reinstall all truck trim panels

◄ VERIFY REPAIR QUALITY ►

- Confirm no DTCs
- Confirm all fasteners toqured to specification

