



Technical Service Information Bulletin

March 28, 2006

Title:

SEAT BELT EXTENDER

Models:

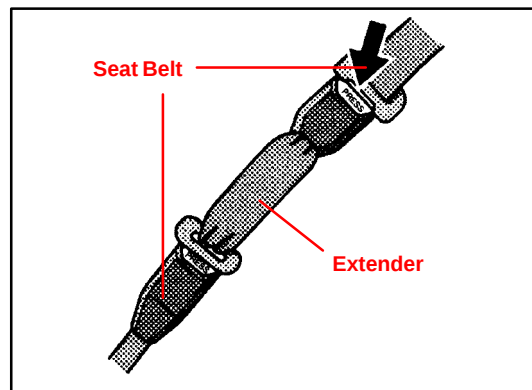
'07 ES 350, GS 450h, LX 470, & RX 350

BO008-06

BODY

Introduction Lexus customers who find it necessary to increase the length of their seat belts may obtain Seat Belt Extenders at **no cost** through their local Lexus dealer.

- The extender is available in 6 inch, 9 inch, 12 inch, 15 inch, and 18 inch lengths.
- The extender is available **only in black**.
- Owners are informed of the Seat Belt Extender availability through the Lexus Owner's Manual included in each vehicle.



The customer (individual requiring the extender) must visit a Lexus dealership to have the required measurements made and to complete the Seat Belt Extender Worksheet. The worksheet will allow the proper fitting and selection of a Seat Belt Extender for the customer. The dealership personnel should then determine the applicable part number and place an order through **Dealer Daily**.

The dealership service department should complete the affixed Seat Belt Extender Customer Information Label on the part and review the "Owner Instructions" (page 4) with the customer. The dealership should give a copy of the completed worksheet and Owner Instructions to the customer and keep the originals in the customer's file.

To assure utmost owner satisfaction, it is recommended that a dealership designate one person to coordinate all activities related to the Seat Belt Extender issue.

It is recommended that dealerships **do NOT stock** Seat Belt Extenders due to the need for proper fitting to individual customers.

This bulletin contains the following information:

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Part Number Information	Page 3
Owner Instructions	Page 4
Seat Belt Extender Worksheet	Page 5

Applicable Vehicles

- **2007** model year **ES 350, GS 450h, LX 470, and RX 350** vehicles.

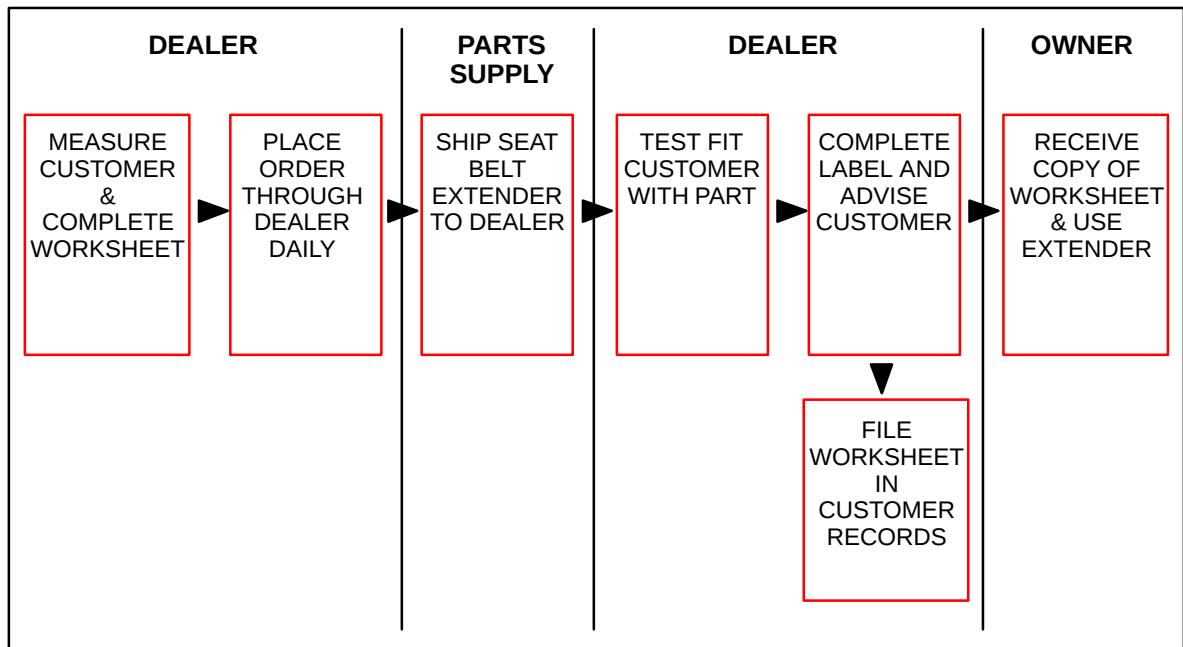
Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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- Procedure**
1. Customer requests a Seat Belt Extender from dealer.
 2. Dealer verifies the need for a Seat Belt Extender and obtains a current copy of this TSIB and copies the Worksheet.
 3. Dealer measures the customer and completes the Worksheet. Dealer determines the correct part number and places an order for the part through Dealer Daily.
 4. Dealer receives Seat Belt Extender and calls the customer to check the fit of the part.
 5. If the Seat Belt Extender fit is good, dealership personnel completes the Customer Information Label on the part, explains usage of the part, and gives the customer a copy of the completed Worksheet.
 6. Dealer places copy of the completed Worksheet in the customer's records.



Sample Seat
Belt Extender
Customer
Information
Label

CAUTION
THIS SEAT BELT EXTENDER IS TO BE USED ONLY BY: _____
ON VEHICLE: _____
VIN: _____
SEATING POSITION: _____
USE BY OTHERS, OR IN ANOTHER SEATING POSITION, OR IN ANOTHER VEHICLE COULD REDUCE SEAT BELT RESTRAINT IN AN ACCIDENT AND RESULT IN PERSONAL INJURY.

**Front Seat
Belt Extender
Applications**

FRONT SEAT — EXTENDER APPLICATION		
MODEL	TYPE	2007
ES 350	All Models	R-6
GS 450h		R-6
LX 470		K-6
RX 350		R-7

**Rear Seat
Belt Extender
Applications**

REAR SEAT — EXTENDER APPLICATION		
MODEL	TYPE	2007
ES 350	All Models	K-6
GS 450h		R-7
LX 470		K-5
RX 350		R-6 or Q-5

NOTE:

The extender must NOT be used for the center rear seat belt.

**Part Number
Information**

PART NUMBER PREFIX: 73399-					
SERIES	LENGTH				
	6 INCH	9 INCH	12 INCH	15 INCH	18 INCH
K-5	-35010	-35020	-35030	-35040	-35050
K-6	-35060	-35070	-35080	-35090	-35100
Q-5	-AE011	-AE021	-AE031	-AE041	-AE051
R-6	-35110	-35120	-35130	-35140	-35150
R-7	-48010	-48020	-48030	-48040	-48050

**Owner
Instructions**

Failure to follow the recommendations indicated below could result in reduced effectiveness of the seat belt restraint system in case of vehicle collision, causing personal injury.

If your seat belt cannot be fastened securely because it is not long enough, a personalized Seat Belt Extender is available from your Lexus dealer free of charge.

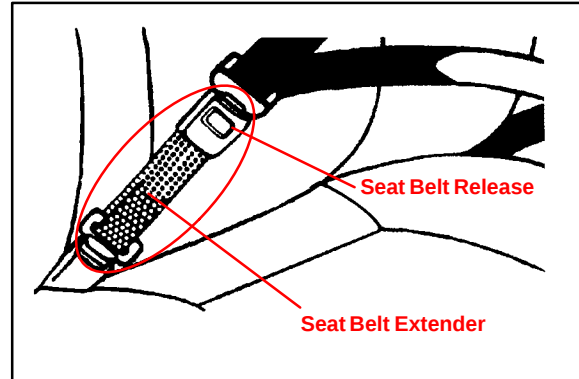
Please visit your local Lexus dealer so that the dealer can order the proper required length extender. Bring the heaviest coat you expect to wear for proper measurement and selection of length. Additional ordering information is available at your Lexus dealer.

When the Seat Belt Extender is provided for rear seat positions (with automatic locking retractor), make sure that the retractor is locked when in use.

To connect the extender to the seat belt, insert the tab into the seat belt buckle so that the buckle-release buttons of the extender and the seat belt are both facing outward as shown.

You will hear a click when the tab locks into the buckle.

When not in use, remove the extender and store in the vehicle for future use.

**CAUTION:**

On vehicles equipped with SRS – Occupant Classification System (OCS)*, it is critical that the extender tab be buckled into the buckle **AFTER** the occupant sits down in the seat.

Leaving extender installed in the buckle before sitting down will cause the OCS to be in the “airbag off” or disarmed state.

- * OCS will enable or disable the passenger front and side airbags based on passenger weight and seat belt latch position classifying the passenger as a child or adult.

CAUTION:

When using the Seat Belt Extender, observe the following. Failure to follow these instructions could result in reduced effectiveness of the seat belt restraint system in case of vehicle accident, increasing the chance of personal injury.

- **NEVER** use the Seat Belt Extender if you can **COMFORTABLY** fasten the seat belt without it.
- The Seat Belt Extender must **NEVER** be used with any child safety seats.
- Remember that the extender provided for you may not be safe when used on a different vehicle, for another person, or for a different seating position than the one originally intended.

SEAT BELT EXTENDER WORKSHEET

PLEASE COPY THIS ORIGINAL WORKSHEET FOR EACH EXTENDER NEEDED

CAUTIONS:

- To minimize the chance and/or severity of injury in an accident, the Seat Belt Extender must only be used:
 - By the person for whom it was provided.
 - In the seat position for which it was provided.
- The Seat Belt Extender must never be used with any child safety seats.
- When the Seat Belt Extender is provided for rear seat positions (with automatic locking retractor), make sure the retractor is locked when extender belt is in use.

DEALER		SEAT BELT EXTENDER APPLICATION		APPLICANT	
DEALER CODE	DEALER NAME	APPLICANT NAME			
ADDRESS		ADDRESS			
CITY & STATE		ZIP	CITY & STATE		PHONE
EMPLOYEE NAME	MODEL YEAR	BODY TYPE	SEATING POSITION	VEHICLE IDENTIFICATION NUMBER	

DIRECTIONS FOR DETERMINING PROPER EXTENDER LENGTH

- Place the seat in the position the applicant normally uses.
- With the applicant in the seat, wearing the thickest coat expected to be worn, pull belt all the way out and try to buckle belt.
 - If belt latches into buckle and feels comfortable against upper chest area, an extender is not needed.
 - If belt does not buckle, continue with Step 3.
 - If buckle latches but belt has no slack remaining, continue with Step 3.
- Measure distance between applicant's navel and seat belt buckle (Dimension A) and enter on Worksheet.
- With belt all the way out, measure distance between latch tip and buckle tip (Dimension B) and enter on Worksheet.

NOTE: If belt latches but there is no slack enter zero as Dimension B.
- Subtract Dimension B from Dimension A and record number in Check Number box on Worksheet.
- Seat Belt Extender length is Dimension B rounded up to next extender length (without exceeding Check Number).

NOTE: If extender length exceeds Check Number, an extender cannot be provided to the customer.

CAUTION:

On vehicles equipped with SRS — Occupant Classification System (OCS), it is critical that the extender tab be buckled into the buckle AFTER the occupant sits down in the seat.

Leaving extender installed in the buckle before sitting down will cause the OCS to be in the "airbag off" or disarmed state.

Dimension A: NAVEL TO BUCKLE	Dimension B: LATCH TO BUCKLE
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SEAT BELT EXTENDER CALCULATION

DIMENSION A:	DIMENSION B:	CHECK NUMBER:
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SEAT BELT EXTENDER AUTHORIZATION

- The same Seat Belt Extender can be used for right and left seating applications. Each Seat Belt Extender will have a label identifying the owner, VIN and seating position.
- Applicant's Signature: _____ Date: _____
(Actual user of Seat Belt Extender)



**Technical Service
Information Bulletin**

June 28, 2006

Title:

EXCESSIVE ENGINE NOISE AFTER TRANSAXLE REMOVAL

Models:

'07 ES 350

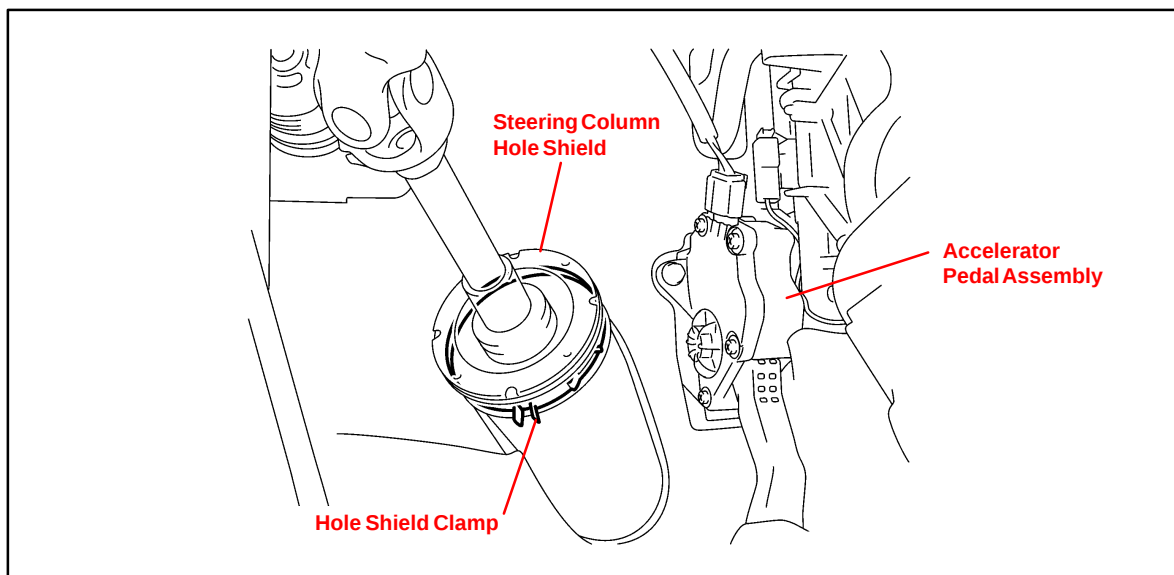
ENGINE
EG016-06

Introduction Some 2007 model year ES 350 vehicles may exhibit engine noise after the transaxle is removed and reinstalled. This noise may be caused by a dislodged steering column hole shield at the base of the steering column.

Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Inspection Procedure Inspect the steering column hole shield to ensure that it is properly seated and that the clamp is securely fastened.



**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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**Technical Service
Information Bulletin**

July 25, 2006

Title:

**VOICE COMMANDS FOR CLIMATE
CONTROL ARE INOPERATIVE**

Models:

'07 ES 350

**ELECTRICAL
EL008-06**

Introduction On 2007 model year ES 350 vehicles equipped with the Lexus Navigation System, some customers may experience a condition where the climate control voice recognition commands are inoperative. An updated multi-display has been developed to resolve this condition.

- Applicable Vehicles**
- **2007** model year **ES 350** vehicles equipped with the **Lexus Navigation System** produced **BEFORE** the Production Change Effective VIN shown below.

**Production
Change
Information**

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
ES 350	JTHBJ46G#72022076

**Parts
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
86430-33010	Same	Multi-display Assembly	1

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
866101	R & R Multi-display Assembly	0.6	86430-33010	72	74

Applicable Warranty*:

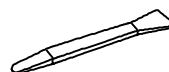
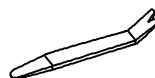
This repair is covered under the Lexus Comprehensive Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



Required
SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Plastic Pry Tool Set*	00002-06000-01	1	20
COMPONENT(S) OF KIT/SET	NOTE: • All components from this kit/set are required. • Plastic Panel Clip Removal Tool (P/N 00002-06001-01) • Plastic Emblem Removal Tool (P/N 00002-06002-01)			



* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Repair
Procedure

1. Order a replacement multi-display through the Fujitsu-Ten exchange program.

NOTE:

Refer to the Lexus Customer Services Web site on Dealer Daily for ordering information for the exchange program.

2. Replace the multi-display.
Refer to the Technical Information System (TIS), 2007 model year ES 350 Repair Manual: *Navigation: Multi-display: Removal, Installation*.
3. Start the engine and wait 10 seconds.
4. Turn the ignition OFF and wait 1 minute.
5. Start the engine again.
6. Confirm the climate control voice commands are functional.



Technical Service Information Bulletin

August 28, 2006

Title:

VANITY MIRROR LIGHT FLICKER

Models:

'07 ES 350

ELECTRICAL
EL009-06

Introduction Customers may experience the vanity mirror light flicker during movement of the visor assembly. The visor assembly has been changed to improve the condition.

Applicable Vehicles

- **2007** model year **ES 350** vehicles produced **BEFORE** the Production Change Effective VIN shown below.

**Production
Change
Information**

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
ES 350	JTHBJ46G#72012509

**Parts
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
74310-33A50-A0	Same	Visor Assembly, RH	1
74310-33A50-B0			1
74320-33A40-A0		Visor Assembly, LH	1
74320-33A40-B0			1

**Repair
Procedure**

Replace the visor assembly.

Refer to the Technical Information System (TIS), 2007 model year ES 350 Repair Manual: *Interior: Roof Headlining: Removal*.

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
752101	R & R Left and/or Right Visor Assembly	0.2	74310-33A50-## 74320-33A40-##	82	73

Applicable Warranty*:

This repair is covered under the Lexus Comprehensive Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



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Technical Service Information Bulletin

March 2, 2006

Title:

INSTALLATION OF BODY PLUGS DURING PDS

Models:

'07 ES 350

PD010-06

PRE-DELIVERY SERVICE

Introduction The ES 350 is equipped with front and rear torque box holes to tie down the vehicle during transportation. Rubber body plugs need to be installed during Pre-Delivery Service (PDS).

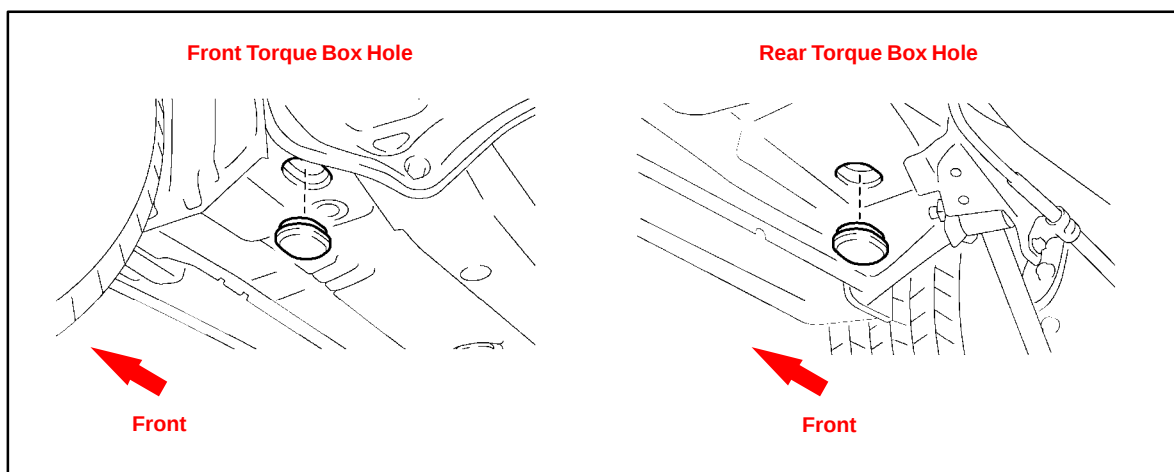
Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Installation Procedure Four (4) rubber body plugs are included in the glove compartment at the assembly plant. Install them into the two (2) front and two (2) rear torque box holes located under the vehicle on both sides.

NOTE:

If the rubber body plugs are NOT securely installed, road (tire) noise may transfer to the vehicle interior through the torque box holes.



Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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Technical Service Information Bulletin

March 6, 2006

Title:

SHORT PIN INSTALLATION DURING PDS

Models:

'07 ES 350

PD019-06

PRE-DELIVERY SERVICE

Introduction To minimize battery discharge during transportation and storage, the Short Pin has been removed at the assembly plant and temporarily stored in the blank space of the Fuse Block in the engine compartment.

During Pre-Delivery Service (PDS), reinstall the Short Pin into its original location.

Applicable Vehicles

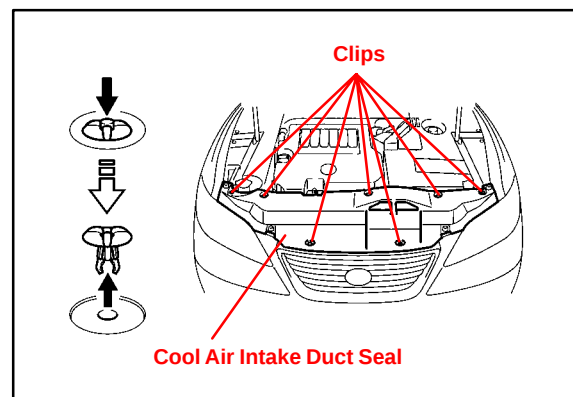
- 2007 model year **ES 350** vehicles.

Warranty Information

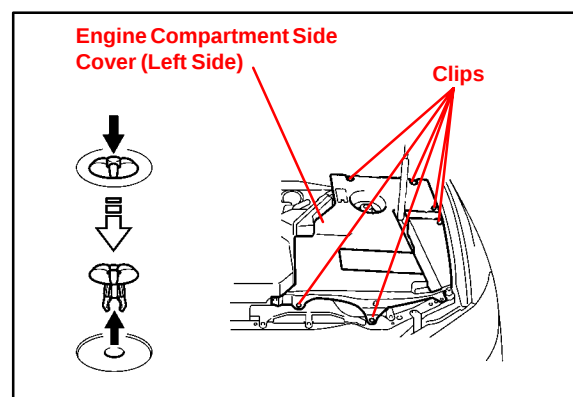
OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—

Installation Procedure

1. Push the core of the clips of the cool air intake duct seal and remove the clips. Remove the cool air intake duct seal.



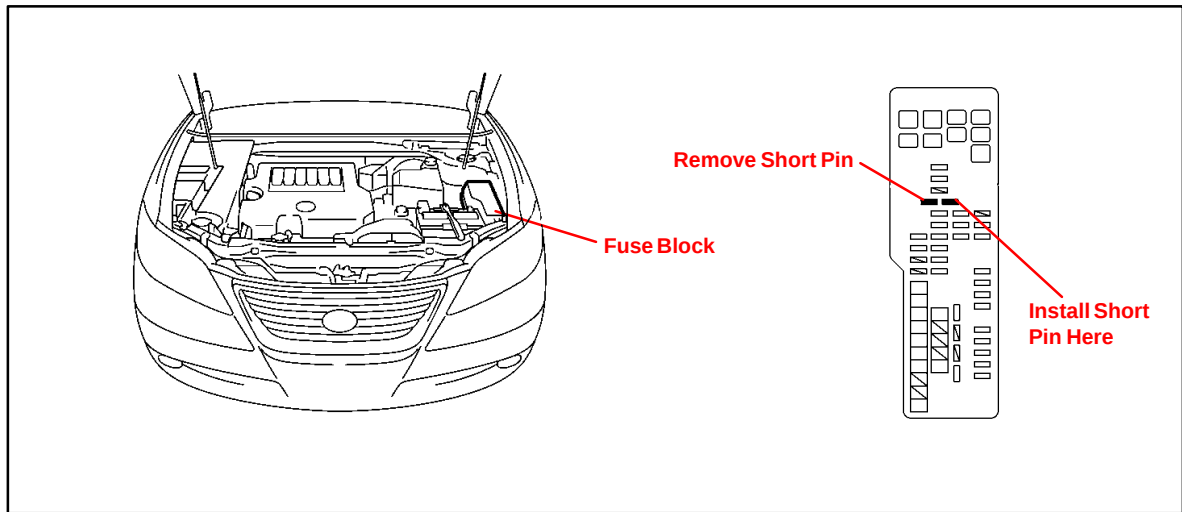
2. Remove the hood hinge cover and push the core of the clips of the engine compartment side cover (left side) and remove the clips. Remove the engine compartment side cover (left side).



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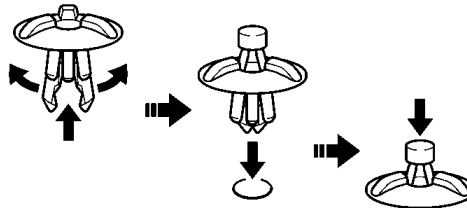
**Installation
Procedure**
(Continued)

3. With the engine switch in the “OFF” mode, install the Short Pin in the Fuse Block of the engine compartment.

**NOTE:**

- The Short Pin does NOT function as a fuse, so install it only in the position shown.
- If the vehicle is stored at the dealership after PDS, disconnect the negative (-) battery terminal to prevent battery discharge.
- If the battery is disconnected, systems requiring initialization may need to be re-initialized.

Installation is the reverse order of removal. When inserting clips, refer to the illustration below.

Installation of Clips



Technical Service Information Bulletin

March 6, 2006

Title:

INITIAL CALIBRATION OF COMPASS DURING PDS

Models:

'07 ES 350

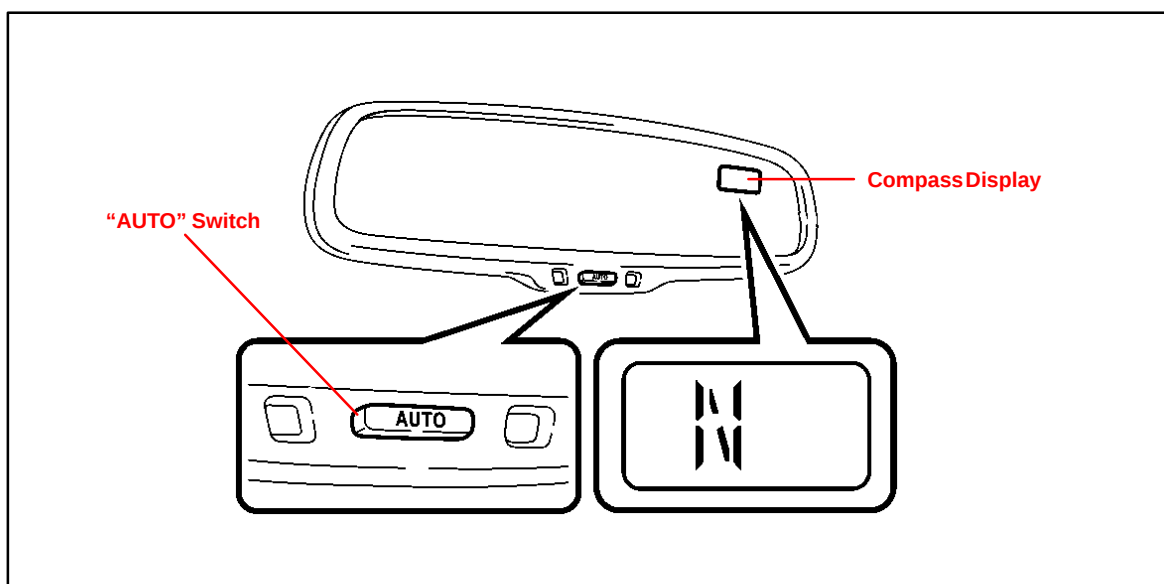
PD020-06

PRE-DELIVERY SERVICE

Introduction The compass indicates the direction that the vehicle is heading by detecting the direction and strength of the Earth's magnetic field and processing this data using the compass sensor and microcomputer.

Detection of the direction and strength of the Earth's magnetic field varies according to the area in which the vehicle is used and is affected by the residual magnetism of the vehicle. For this reason, the geographic direction displayed may also deviate from the direction determined by the Earth's magnetic field according to the area in which the vehicle is used.

Perform the initial calibration of the compass in your dealership prior to delivery to customers.



Applicable Vehicles

- 2007 model year ES 350 vehicles.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



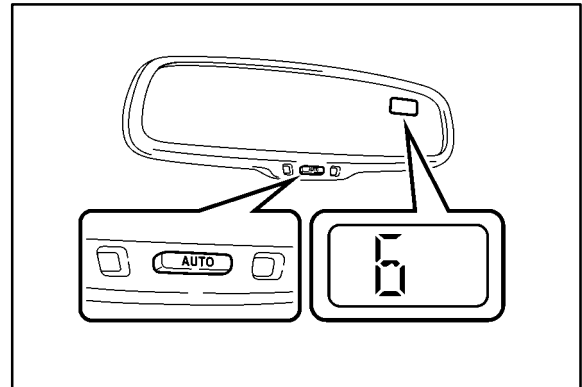
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Compass Calibration Procedure

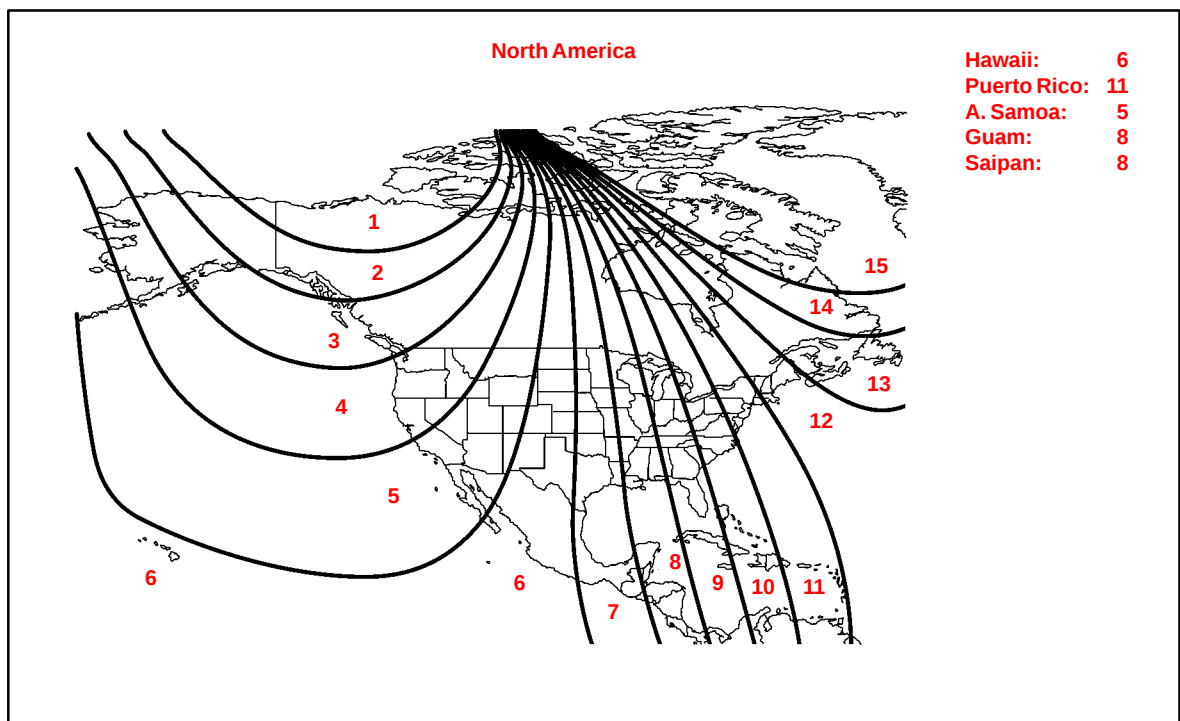
1. Turn the engine switch to the "IG-ON" mode, and push and hold the "AUTO" switch for 6 seconds until the zone number (1 – 15) appears on the display. Then push the switch to select the number of the zone where the vehicle is located.

NOTE:

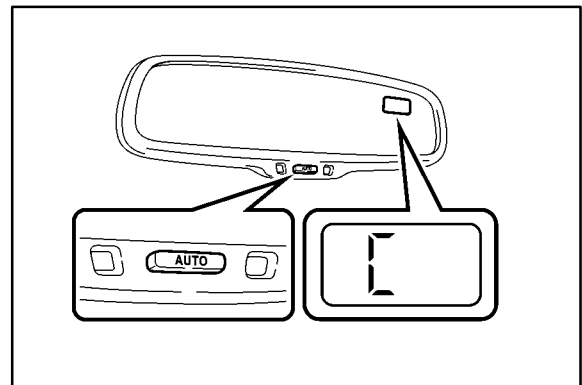
Pushing the "AUTO" switch for 3 seconds turns the compass display ON or OFF.



See the map below for zone reference.



2. Start the engine, and push and hold the "AUTO" switch for 9 seconds until "C" appears on the display.



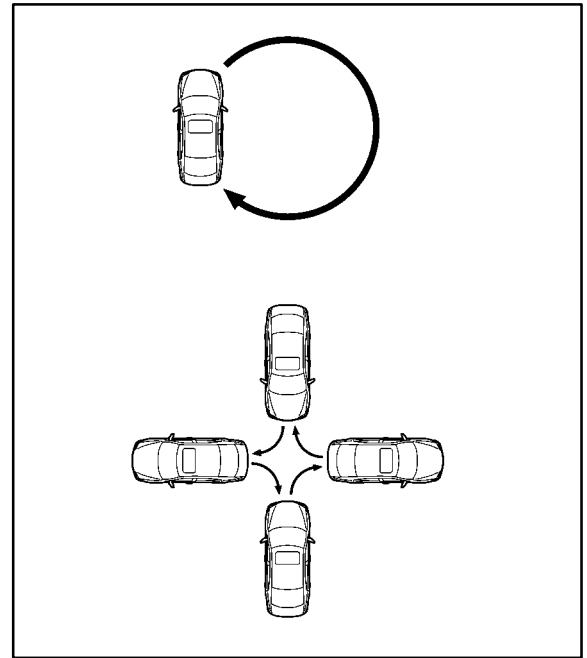
**Compass
Calibration
Procedure**
(Continued)

3. Drive the vehicle slowly at 5 mph (8 km/hr), or less, in a circle until the direction is displayed. If there is not enough space to drive in a circle, drive around the block (doing 2 three-point turns in succession) until the direction is displayed.

After driving in 1 to 3 circles, calibration is complete when the direction is shown on the display.

NOTE:

- Do NOT perform calibration of the compass in a place where the Earth's magnetic field is subject to interference by artificial magnetic fields (underground parking, under a steel tower, between buildings, roof parking, near a railroad crossing, near a large vehicle, etc.)
- During calibration, do NOT operate electric systems (moon roof, power windows, etc.) as they may interfere with the calibration.





Technical Service Information Bulletin

March 8, 2006

Title:

FRONT WHEEL OPENING EXTENSION PAD INSTALLATION DURING PDS

Models:

'07 ES 350

PD021-06

PRE-DELIVERY SERVICE

Introduction The front wheel opening extension pad set (right and left front wheel opening extension pads, 6 tapping screws) is loaded in the luggage compartment at the assembly plant to avoid damage in transit. Install the front wheel opening extension pads to the vehicle during Pre-Delivery Service (PDS) at the dealership prior to delivery to the customer.

Applicable Vehicles

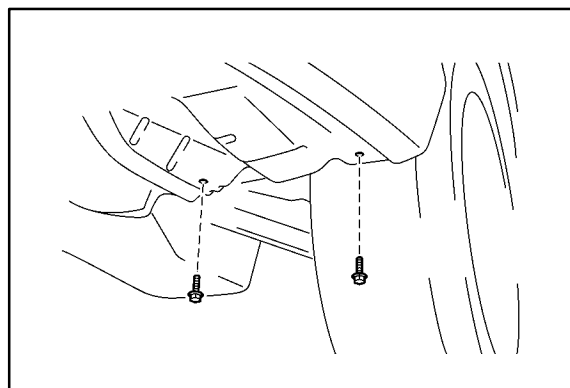
- 2007 model year **ES 350** vehicles.

Installation Procedure

1. Remove the two (2) self-tapping screws from the engine under cover.

NOTE:

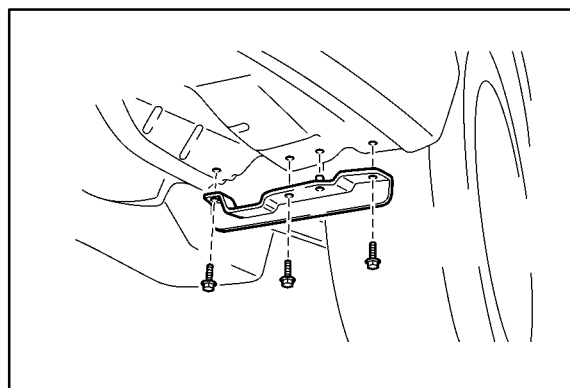
Discard the two (2) self-tapping screws. They will NOT be reused.



2. Place the left front wheel opening extension pad on the installation position and temporarily tighten the three (3) self-tapping screws.
3. Tighten the three (3) self-tapping screws.

NOTE:

- There is a distinguishable mark on each pad.
- Be sure to install the extension pads with the self-tapping screws supplied with the pads.



4. Repeat steps 2 – 3 to install the right front wheel opening extension pad.

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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Technical Service Information Bulletin

March 8, 2006

Title:

FRONT LICENSE PLATE MOUNTING BRACKET & LICENSE PLATE INSTALLATION

Models:

'07 ES 350

PD022-06

PRE-DELIVERY SERVICE

Introduction The front license plate mounting bracket and two self-tapping screws for the 2007 model year ES 350 are stored in the luggage compartment of the vehicle.

Install the license plate mounting bracket during Pre-Delivery Service (PDS).

Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—

Installation Procedure

1. Align holes "A" of the mounting bracket with the dimples on the front bumper cover. Mark the location of holes "B" on the front bumper cover.

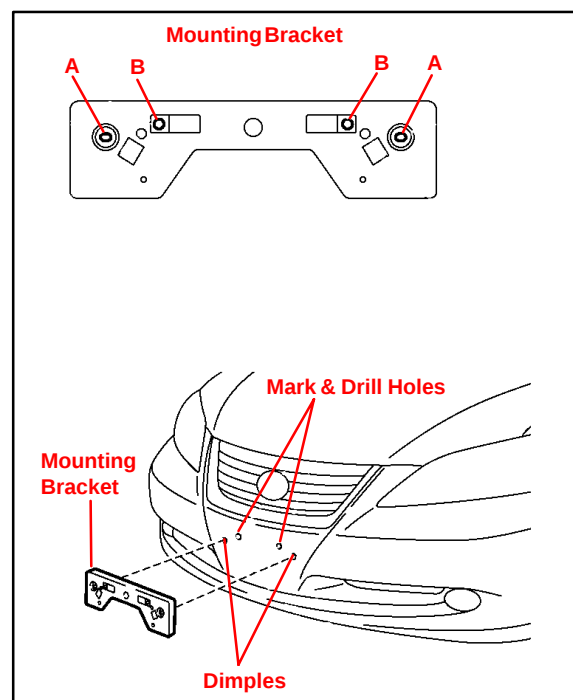
NOTE:

- Holes "A" are used to install the mounting bracket to the bumper cover.
- Holes "B" are used to install the front license plate to the mounting bracket.

2. Drill two (2) relief holes with a diameter of 11 mm (0.43 in.) at the marks on the front bumper cover (holes "B" location) to prevent the license plate retaining bolt ends from contacting the cover.

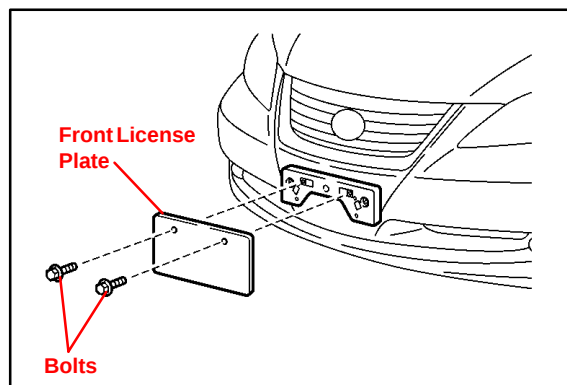
NOTE:

Do NOT drill into the dimples on the front bumper cover.



**Installation
Procedure**
(Continued)

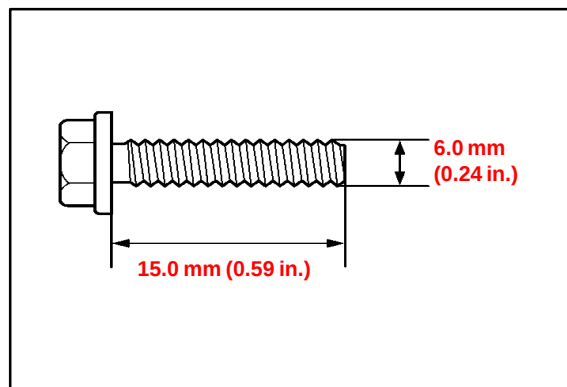
3. Install the mounting bracket to the front bumper cover (holes “A” location) using the two (2) supplied self-tapping screws.
4. Install the front license plate to the mounting bracket using two (2) bolts.



Use bolts of a non-corroding type with the following dimensions to install the front license plate:

Nominal Length: 15.0 mm (0.59 in.)

Diameter: 6.0 mm (0.24 in.)





Technical Service Information Bulletin

March 10, 2006

Title:

TIRE PRESSURE SENSING TRANSMITTER ACTIVATION PROCEDURE

Models:

'07 ES 350

PD024-06

PRE-DELIVERY SERVICE

Introduction The 2007 model year ES 350 is equipped with a direct type Tire Pressure Warning System (TPWS). A tire pressure sensing transmitter is built into each tire valve, and the measured tire pressure data is transmitted through a Tire Pressure Warning System antenna to the tire pressure monitoring system receiver.

During Pre-Delivery Service (PDS), the tire pressure sensing transmitters must be activated according to the procedure in this bulletin.

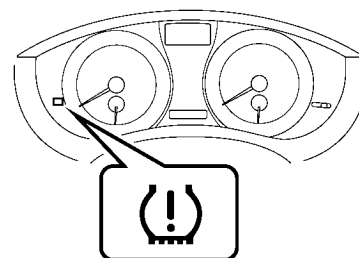
Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Reference Information

NOTE:

- After all the tire pressure sensing transmitters are activated, the flashing Low Tire Pressure Warning Light goes OFF.
- The Diagnostic Trouble Codes (DTCs) listed below may be stored in the system until the tire pressure sensing transmitters are activated.
- The codes will automatically clear when the tire pressure sensing transmitters are activated.



Low Tire Pressure Warning Light

DTC *1	DTC *2	DTC
11	C2111	Transmitter ID1 Inactive (Sleep Mode)
12	C2112	Transmitter ID2 Inactive (Sleep Mode)
13	C2113	Transmitter ID3 Inactive (Sleep Mode)
14	C2114	Transmitter ID4 Inactive (Sleep Mode)
15*	C2115	Transmitter ID5 Inactive (Sleep Mode)

DTC *1: Indicated by flashing of the Low Tire Pressure Warning Light.

DTC *2: Indicated on the Lexus Diagnostic Tester.

* Except compact spare.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



Lexus Supports ASE Certification

**Required
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Lexus Diagnostic Tester Kit* NOTE: - All components from this kit/set are required 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.3a Software (or later) is required 	LEX220036	1	8
2	CAN Interface Module Kit* NOTE: All components from this kit/set are required 	01002744	1	8

* Essential SSTs.

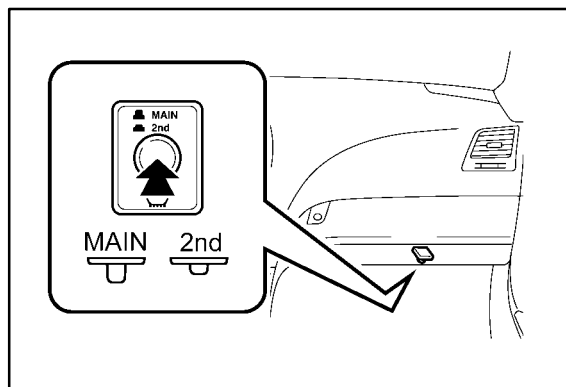
** Refers to drawer number in SST Storage System.

NOTE:

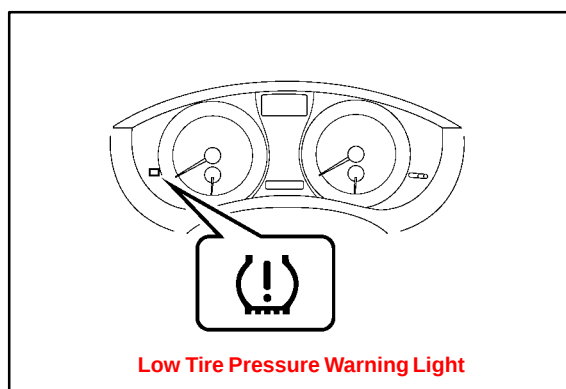
Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

**Activation
Procedure**

1. Check that the tire pressure warning switch is in the “MAIN” position.



2. Turn the engine switch to the “IG-ON” mode and check that the Low Tire Pressure Warning Light blinks.

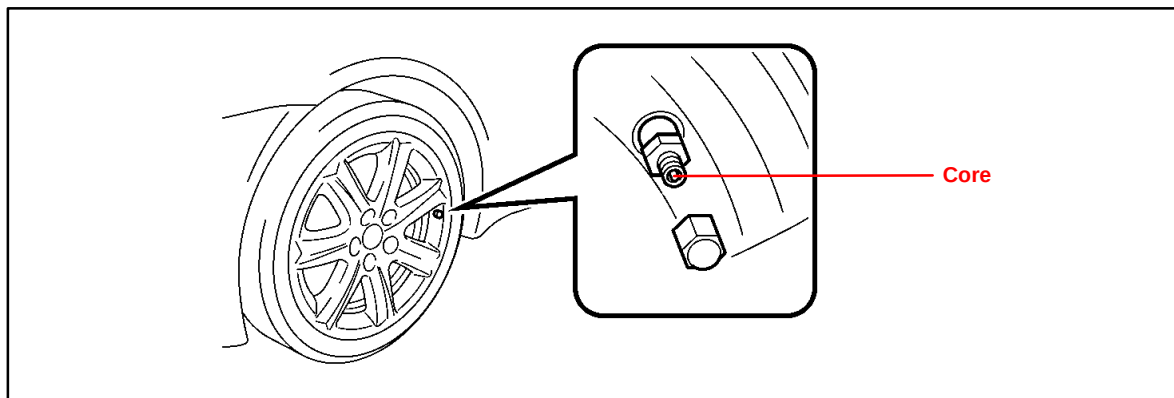


**Activation
Procedure**
(Continued)

3. Rapidly reduce the tire pressure by 6.0 psi (0.4 kgf/cm², 40 kPa) or more within 30 seconds.

This operation is required for the system to be activated and must be performed for each tire, one at a time.

Check that the Low Tire Pressure Warning Light goes OFF after all the tire pressure sensing transmitters are activated.

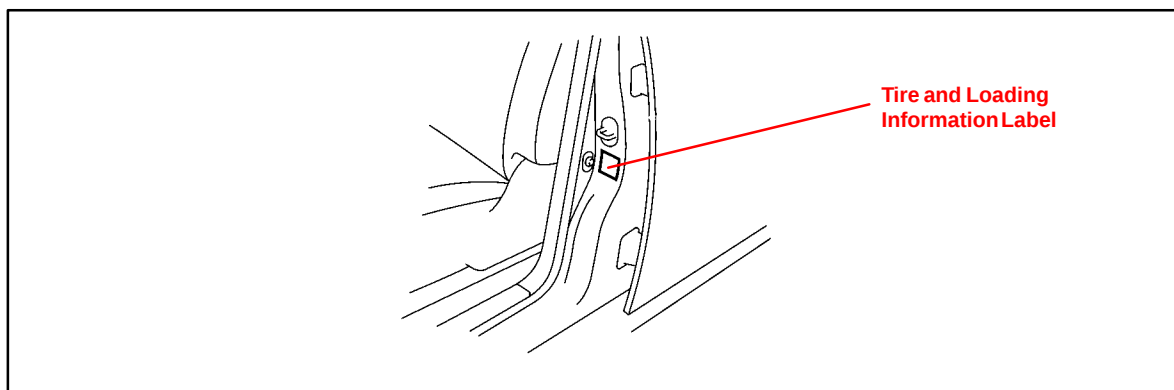
**NOTE:**

- This operation is required for the system to be activated and must be performed for each tire **(except the compact spare tire)**, one at a time.

4. Check that the sleep mode DTCs are NOT stored in the system. If the sleep mode DTCs are stored, increase the tire inflation pressure of all 5 tires to 44 psi (3.0 kgf/cm², 300 kPa) and repeat steps 1 – 3.
5. Adjust the tire pressure to the specified level as indicated on the Tire and Loading Information label on the vehicle.

NOTE:

- If there is great difference between the current temperature of the tire and wheel (for example: shop temperature) and expected temperature (for example: outdoor temperature), this needs to be considered when adjusting the tire pressure.
- Adjust the tire pressure when the tires are cold.
- The tire pressure must be checked COLD, meaning that the car must NOT have been driven at highway speeds for AT LEAST 3 hours.



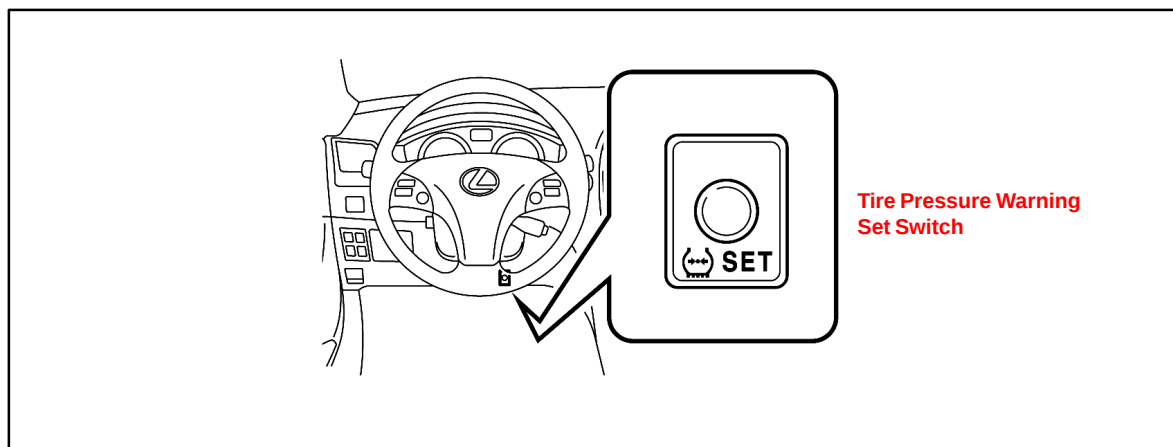
6. Check that the Low Tire Pressure Warning Light is OFF.

**Activation
Procedure**
(Continued)

7. Push and hold the Tire Pressure Warning Set Switch for 3 seconds until the Low Tire Pressure Warning Light blinks 3 times. Ensure the Low Tire Pressure Warning Light goes OFF. When the Low Tire Pressure Warning light goes OFF, it is necessary to leave the power switch in the "IG-ON" mode for 5 minutes to allow the TPWS ECU to initialize with the current tire pressure.

NOTE:

- Do NOT turn the power switch OFF until initialization is complete. If initialization has NOT been completed, it is NOT possible to enter TPWS test mode.
- It is necessary to wait for up to 5 minutes until initialization completes correctly.





Technical Service Information Bulletin

March 22, 2006

Title:

CLEARING BODY ECU DTCs DURING PDS

Models:

'07 ES 350

PD027-06

PRE-DELIVERY SERVICE

Introduction To minimize battery discharge during transportation and storage, the Short Pin is removed at the assembly plant. When the engine switch is in the "IG-OFF" mode for more than 10 seconds with the Short Pin disconnected, the Main Body ECU detects that communication between the Main Body ECU and other ECUs/switches has failed. Several Diagnostic Trouble Codes (DTCs) may be set in memory.

Clear the stored DTCs using the Diagnostic Tester after the Short Pin is installed to its original position during Pre-Delivery Service (PDS).

NOTE:

For Short Pin installation, refer to TSIB No. PD019-06, "Short Pin Installation During PDS."

Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Reference Information

The following DTCs are stored in the Main Body ECU as Past DTCs.

DTC NUMBER	DTC
B1201	Mayday ECU
B1206	Power Window Master Switch
B1213	Tilt and Telescopic ECU
B1272	Position Control ECU and Switch (Front LH Seat)
B1273	Sliding Roof Control ECU
B1276	Mirror Control ECU
B1289	Position Control ECU and Switch (Front RH Seat)
B1297	Clearance Warning ECU
B2321	Power Window ECU (Front LH)
B2322	Power Window ECU (Front RH)
B2323	Power Window ECU (Rear RH)
B2324	Power Window ECU (Rear LH)
B2325	Door Bus Line Abnormal

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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**Required
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Lexus Diagnostic Tester Kit* NOTE: • All components from this kit/set are required • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.3a Software (or later) is required 	LEX220036	1	8
2	CAN Interface Module Kit* NOTE: • All components from this kit/set are required 	01002744	1	8

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

**Erasing DTC
Procedure**

1. Connect the Diagnostic Tester.
2. Turn the engine switch to the "IG-ON" mode.
3. Using the Diagnostic Tester, check for any other DTCs being output.

HINT:

If any DTCs set other than those listed in the table in this TSIB, repair the relevant systems according to the Repair Manual.

4. Clear all current, history, and pending DTCs for the main body ECU.



Technical Service Information Bulletin

August 8, 2006

Title:

RESETTING MAINTENANCE LIGHT AFTER OIL CHANGE

Models:

'07 ES 350

PG004-06

PRODUCT GENERAL INFORMATION

Introduction After performing an oil change, follow the procedure outlined below to reset the maintenance light.

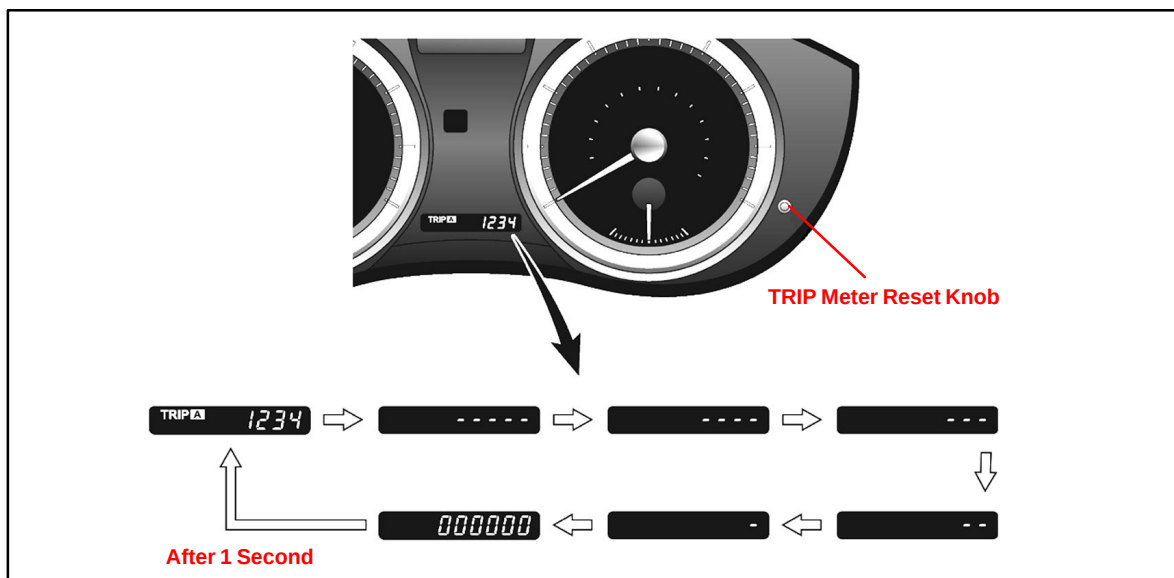
Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Reset Procedure

1. Press the engine switch to the "IG-ON" mode and make sure that the odometer is set to "TRIP A".
2. Press the engine switch to OFF.
3. While pushing the "TRIP" meter reset knob, press the engine switch to "IG-ON" mode.
4. With the engine switch in the "IG-ON" mode, keep holding the "TRIP" meter reset knob (for at least 5 seconds) with the LCD counting down as shown in the illustration. Release the "TRIP" meter reset knob when the reset is complete.

When the reset is complete, the display will show "000000" for 1 second. Then the odometer will be displayed.



Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



Lexus Supports ASE Certification



Technical Service Information Bulletin

June 9, 2006

Title:

U660E AUTOMATIC TRANSAXLE COMPENSATION CODE INPUT PROCESS

Models:

'07 ES 350

TC002-06

TRANSMISSION & CLUTCH

Introduction 2007 model year ES 350 vehicles are equipped with a U660E (6-speed) transaxle. These transaxles are tested and marked with an automatic transaxle compensation value to improve drivability and reduce the amount of time needed to complete the Transmission Control Module (TCM) "Learning" process.

CAUTION:

The transaxle compensation value registration process **MUST** be performed anytime one of the following components are replaced:

- Transaxle
- Transmission Control Module (TCM)

Failure to follow the procedure below may lengthen the time to complete the TCM "Learning" process, potentially resulting in performance concerns.

Applicable Vehicles

- 2007 model year **ES 350** vehicles equipped with the **U660E (6-speed)** automatic transaxle.

Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Lexus Diagnostic Tester Kit* NOTE: • All components from this kit/set are required • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 13.3a Software (or later) is required 	LEX220036	1	8
2	CAN Interface Module Kit* NOTE: • All components from this kit/set are required 	01002744	1	8

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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Registration Procedure

Refer to the Technical Information System (TIS), 2007 model year ES 350 Repair Manual: *U660E Automatic Transaxle: Automatic Transaxle System: Manual Shifting Test, Registration.*

NOTE:

If the transaxle is installed in the vehicle and the QR Code Label cannot be read, it may be necessary to remove the battery and battery tray to access the QR Code Label.

Letter Input Chart

Use the 0–9 keys on the Diagnostic Tester to input numeric values. Letters A–F are input by pressing the (*) key and numbers 0–5 simultaneously.

1	4	F	F	0	1	1	B	3	A	1	1	2	2	0
0	0	D	E	D	C	0	0	0	3	3	4	4	0	A
0	0	0	1	1	3	3	0	0	0	0	0	3	A	

*0 = A

*1 = B

*2 = C

*3 = D

*4 = E

*5 = F



**Technical Service
Information Bulletin**

June 20, 2006

Title:

U660E 6-SPEED TORQUE CONVERTER

Models:

'07 ES 350 (6-Speed ATM)

TC003-06

TRANSMISSION & CLUTCH

Introduction Proper torque converter installation procedures must be followed when replacing the U660E 6-speed transaxle. A growling noise and/or ATF leak may result if the torque converter is improperly installed. This TSB highlights the measurement procedure for proper torque converter installation.

- Applicable Vehicles**
- **2007** model year **ES 350** vehicles equipped with **6-speed automatic transmission**.

**Required
Tools &
Material**

TOOLS & MATERIAL	QUANTITY
Miscellaneous Hand Tools	As Needed

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



**Repair
Procedure**

Using vernier calipers and a straightedge, measure the depth of the torque converter from the bell housing mounting surface as shown to the torque converter mounting lugs.

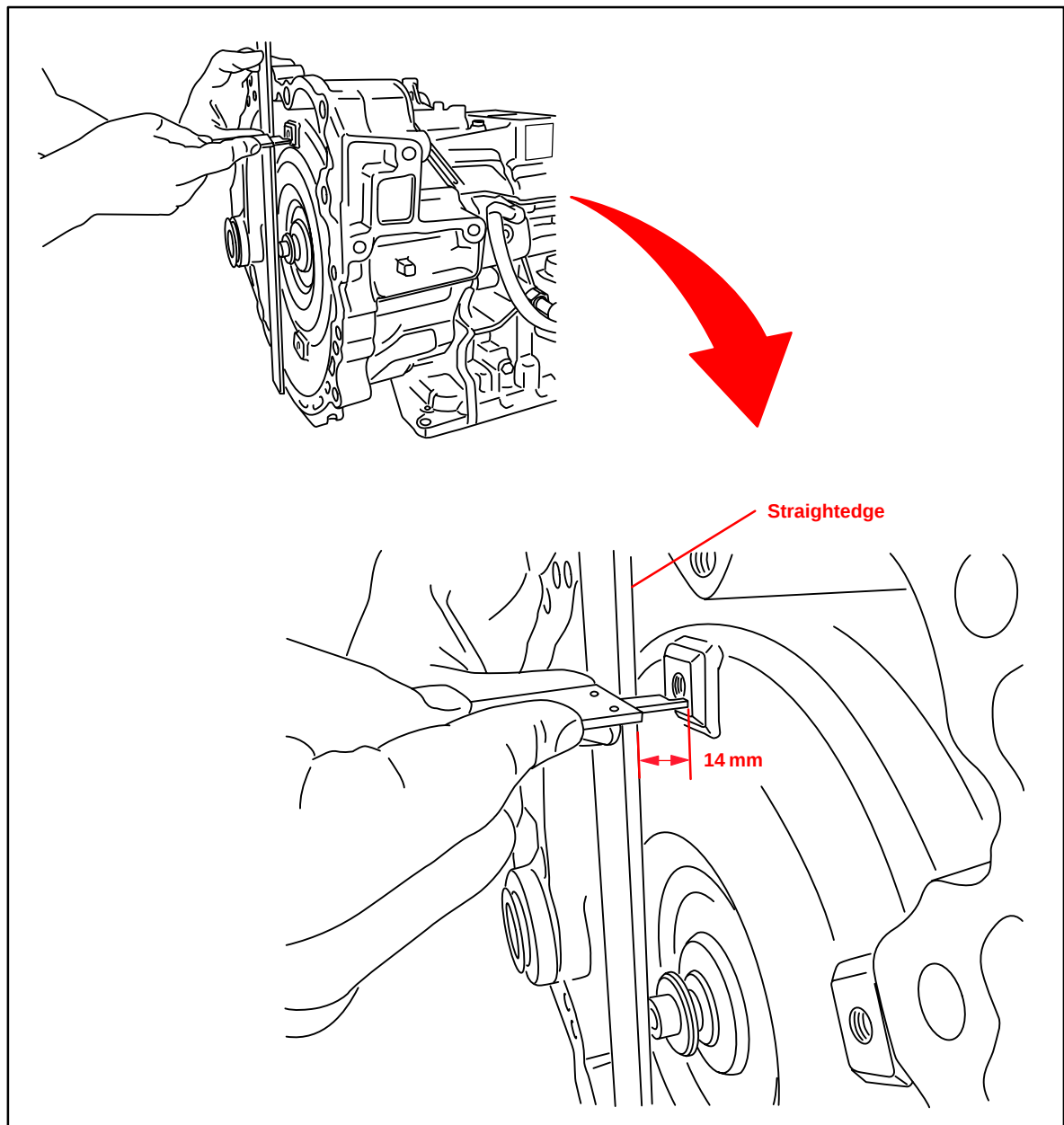
Standard measurement: 14 mm (0.55 in.)

HINT:

- Be sure to deduct the thickness of the straightedge.
- For easier torque converter installation, tip the top slightly inward while rotating and applying inward pressure.

NOTE:

Internal damage may occur if the torque converter is NOT fully engaged to the oil pump drive gear.





Technical Service Information Bulletin

August 2, 2006

Title:

3RD - 4TH GEAR SHIFT FLARE

Models:

'07 ES 350

TRANSMISSION & CLUTCH
TC004-06
REVISED

TSIB REVISION NOTICE:

- August 7, 2006: The OFP has been updated in Warranty Information. Applicable Warranty has been changed from Comprehensive to Powertrain. Previous versions of this TSIB should be discarded.

Introduction Some customers may experience a sharp increase in RPM between the 3rd to 4th gear shift point during the first ten minutes of operation after a cold start. A revised transmission valve body has been developed to address this concern.

NOTE:

This TSIB **ONLY** applies to vehicles that have been confirmed to have the customer concerns listed above.

- Applicable Vehicles**
- 2007 model year **ES 350** vehicles.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
35410-33170	Same	Body Assembly, Transmission Valve	1
90301-27010	Same	O-ring, Oil Strainer	1
35168-33080	Same	Gasket, Transmission Oil Pan	1
08886-02305	Same	ATF WS	3.4 qts (3.2 liters, 2.8 Imp. qts)
90430-12008	Same	Gasket, Overflow Plug	1

Required Tools & Material

TOOLS & MATERIAL	QUANTITY
Toyota Genuine Adhesive 1344, Three Bond 1344, or equivalent	As Needed

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
369251	R & R Valve Body Assembly	2.2	35410-33170	91	99

Applicable Warranty*:

This repair is covered under the Lexus Powertrain Warranty. This warranty is in effect for 72 months or 70,000 miles, whichever occurs first, from the vehicle's in-service date.

* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



**Required
SSTs**

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Lexus Diagnostic Tester Kit* NOTE: • All components from this kit/set are required. • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593–005) with version 13.3a Software (or later) is required. 	LEX220036	1	8
2	CAN Interface Module Kit* NOTE: • All components from this kit/set are required. 	01002744	1	8

* Essential SSTs.

** Refers to drawer number in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

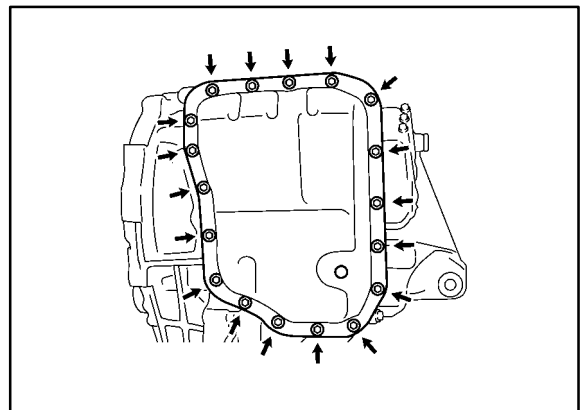
**Repair
Procedure**

1. Allow the vehicle to cold soak for a minimum of 4 hours.
2. Connect the Diagnostic Tester to DLC3.
3. Turn the engine switch ON.
4. Turn the Diagnostic Tester ON.
5. Enter the following menus on the tester:
DIAGNOSIS / OBD–MOBD / ECT / DATA LIST.
6. Start the engine.
7. Monitor SHIFT position and ENGINE SPD while driving the vehicle with light throttle application (under 40% throttle angle).
8. If shift flare is experienced when shifting from 3rd to 4th gear, remove and replace the transmission valve body.
 - A. Remove the automatic transaxle oil pan sub–assembly.
 - a. Remove the 18 bolts and oil pan from the transaxle.

NOTE:

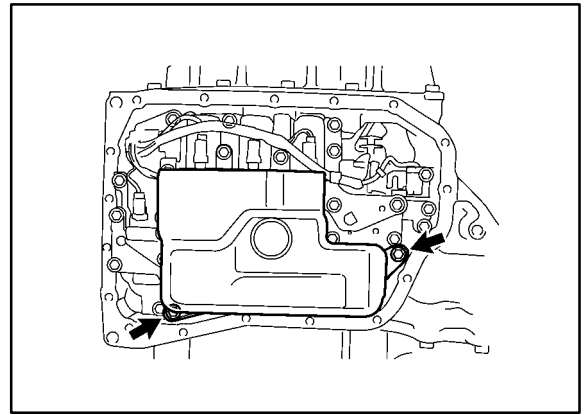
Some fluid will remain in the oil pan. Remove all the pan bolts, and carefully remove the oil pan assembly.

- b. Remove the gasket from the oil pan.

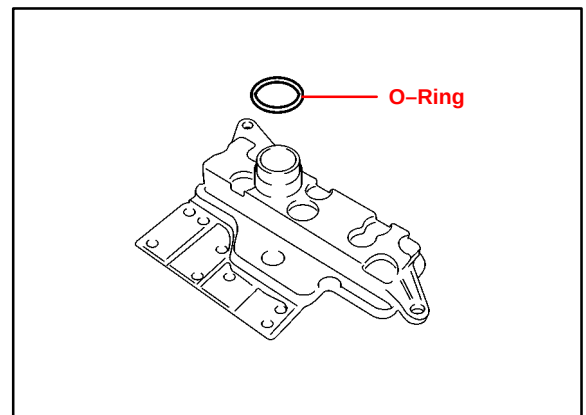


**Repair
Procedure**
(Continued)

- B. Remove the valve body oil strainer assembly.
- a. Remove the 2 bolts and oil strainer from the valve body.



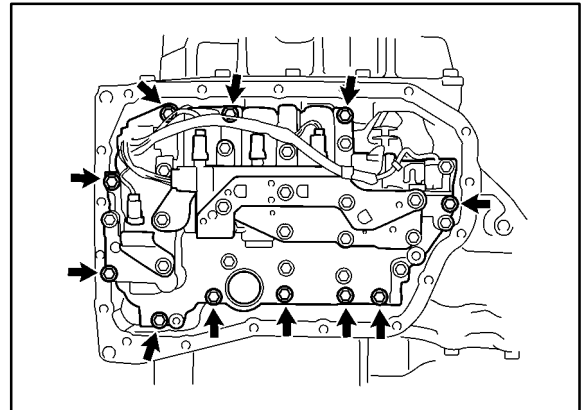
- b. Remove the O-ring from the oil strainer.



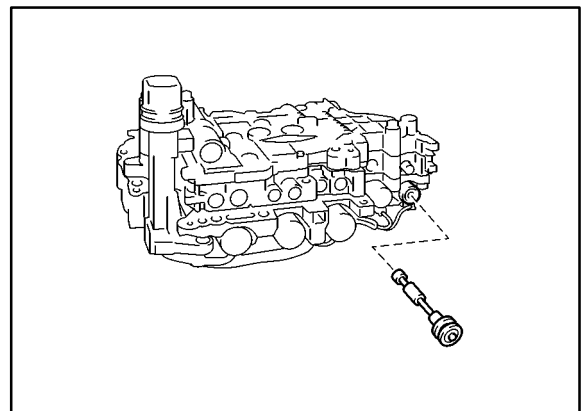
- C. Remove the transmission valve body assembly.
- Remove the 11 bolts and valve body from the transaxle.

NOTE:

When removing the transmission valve body assembly, be careful NOT to allow the transmission revolution sensor and the transaxle case to interfere with each other.



- D. Remove the manual valve from the valve body.
- E. Coat the manual valve with ATF and install it into the NEW valve body.
- F. Install the transmission valve body assembly.
- a. Coat the O-ring of the transmission wire with ATF.



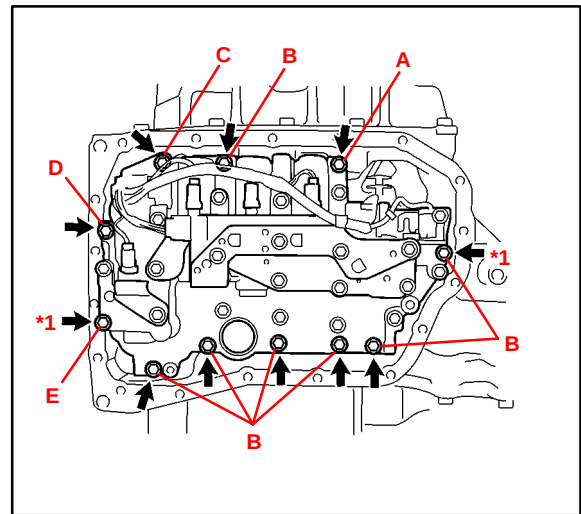
Repair Procedure (Continued)

- b. Confirm that the manual valve lever is positioned as shown in the illustration and install the valve body assembly to the transaxle case with the 11 bolts.

Torque: 11 N•m
(112 kgf•cm, 8 ft•lbf)

Bolt length:

Bolt A: 25 mm (0.98 in.)
Bolt B: 30 mm (1.18 in.)
Bolt C: 35 mm (1.38 in.)
Bolt D: 45 mm (1.77 in.)
Bolt E: 55 mm (2.17 in.)



NOTE:

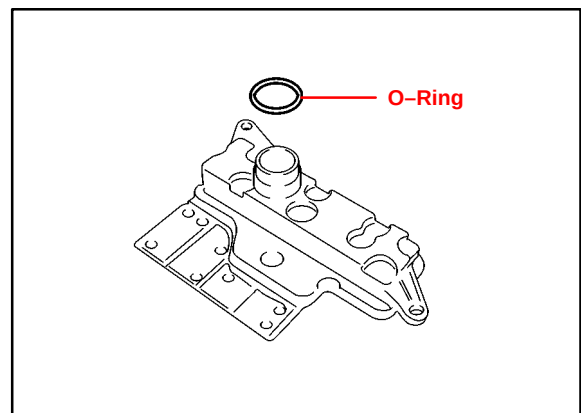
- First, temporarily tighten the bolts marked by (*1) in the illustration because they are positioning bolts.
- When installing the transmission valve body assembly, be careful NOT to allow the transmission revolution sensor and transaxle case to interfere with each other.
- Be sure to insert the pin of the manual valve lever into the groove on the end of the manual valve.

- G. Install the valve body oil strainer assembly.

- a. Coat a NEW O-ring with ATF and install it to the oil strainer.

NOTE:

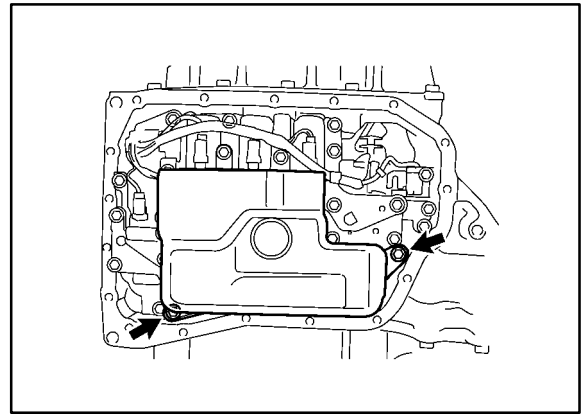
Ensure that the O-ring is NOT twisted or pinched.



**Repair
Procedure**
(Continued)

- b. Install the oil strainer to the valve body with the 2 bolts.

**Torque: 11 N•m
(112 kgf•cm, 8 ft•lbf)**



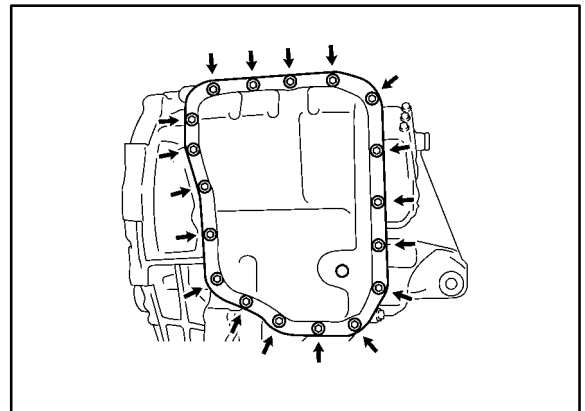
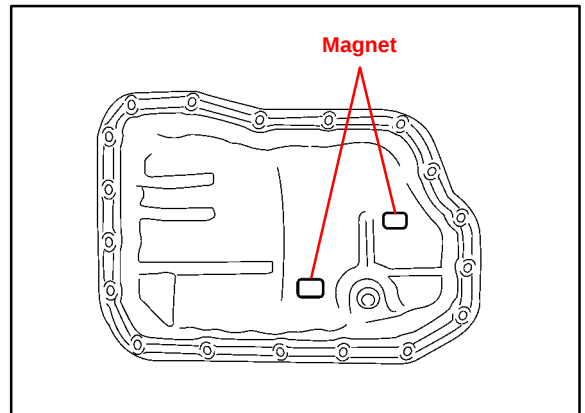
- H. Install the automatic transaxle oil pan sub-assembly.

- Confirm the position of the 2 magnets in the oil pan.
- Install a NEW gasket to the oil pan.
- Apply adhesive to the 18 bolts.

Adhesive:
Toyota Genuine Adhesive 1344,
Three Bond 1344, or equivalent

- Install the oil pan to the automatic transaxle with the 18 bolts.

**Torque: 7.5 N•m
(76 kgf•cm, 66 in.•lbf)**



NOTE:

- In order to ensure proper sealing of the transmission oil pan bolts, apply adhesive to the bolts and install them within 10 minutes of adhesive application.
- Completely remove any oil or grease from the contact surface of the transaxle case and oil pan sub-assembly with the gasket before installation.

- I. Fill transaxle with automatic transaxle fluid.

Automatic Transaxle Fluid: Genuine ATF WS Transmission Fluid

Refer to the Technical Information System (TIS), 2007 model year ES 350 Repair Manual: *U660E Automatic Transaxle: Automatic Transaxle Assembly: Installation.*

**Repair
Procedure**
(Continued)

9. After replacement of the transmission valve body:
 - A. Connect the Diagnostic Tester to DLC3.
 - B. Turn the engine switch ON and turn the Diagnostic Tester ON.
 - C. Enter the following menus on the tester:
DIAGNOSIS / OBD–MOBD / ECT / AT CODE UTILITY.
 - D. Select “AT CODE RESET” on the tester.
 - E. Press “ENTER.”
10. Perform a road test to allow the TCM to learn.

NOTE:

Perform the following procedures while strictly observing all traffic laws and speed limits.

- A. Warm up the engine.
- B. From a standstill, achieve the highest possible speed with the accelerator pedal opened 15% or less. Keep the accelerator pedal angle steady while driving the vehicle.
- C. Repeat the previous step until shift shock no longer occurs.
- D. From a standstill, achieve the highest possible speed with the accelerator pedal opened 25% or more. Keep the accelerator pedal angle steady while driving the vehicle.
- E. Repeat the previous step until shift shock no longer occurs.

NOTE:

If valve body replacement does NOT correct the condition, continue diagnosis following the Repair Manual Problem Symptoms Table. If necessary, contact Technical Assistance for further support.



Technical Service Information Bulletin

August 8, 2006

Title:

U660E TRANSMISSION SOLENOID IDENTIFICATION

Models:

'07 ES 350

TC005-06

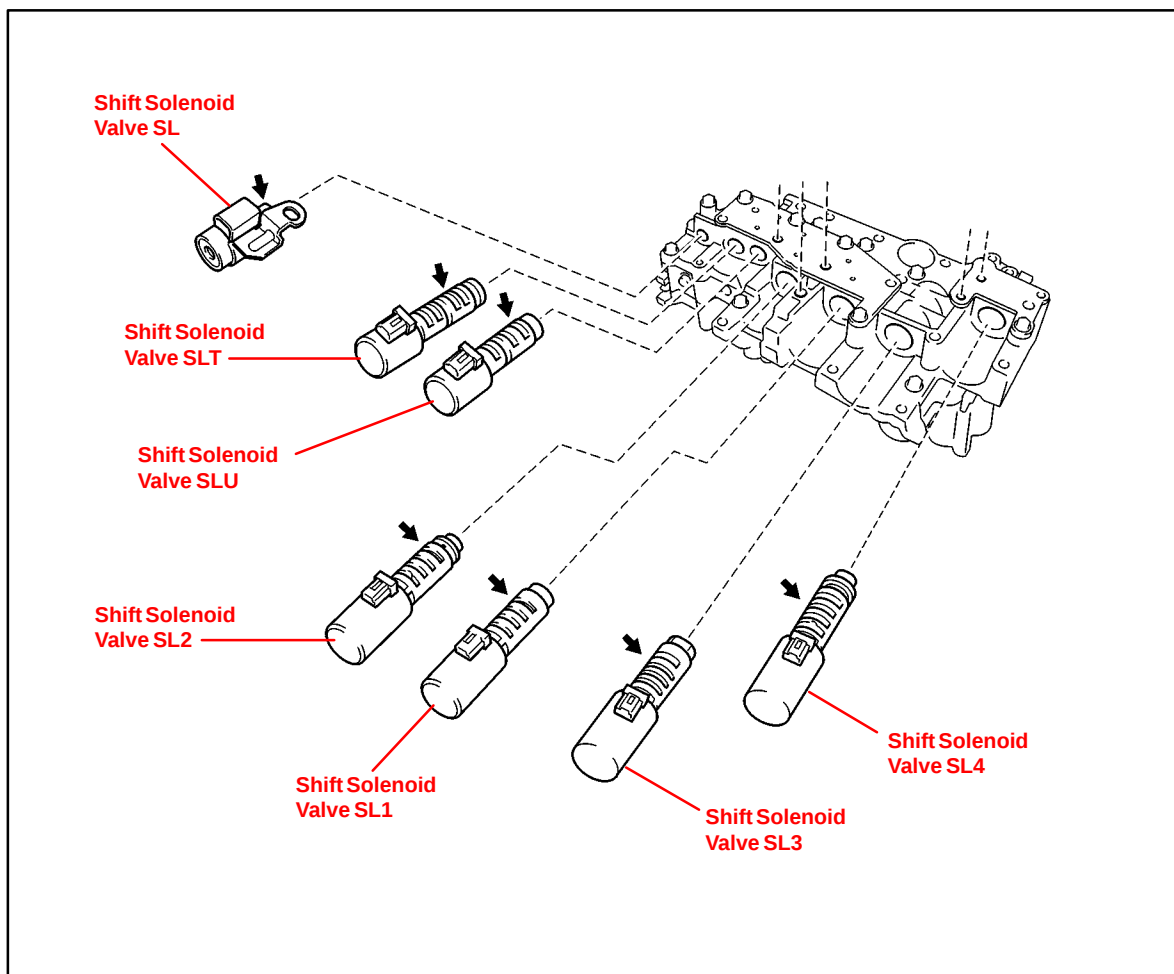
TRANSMISSION & CLUTCH

Introduction This service bulletin provides information on the proper identification of the 7 solenoids used in the U660E transmission.

Applicable Vehicles

- 2007 model year **ES 350** vehicles.

Transmission Solenoid Identification



Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



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**Parts
Information**

Provided below is a chart listing the Repair Manual name of each solenoid used in the U660E transmission as well as the part name description provided in the electronic parts catalog.

REPAIR MANUAL SOLENOID NAME	PARTS CATALOG DESCRIPTION
SL	Solenoid Assembly, Automatic Transmission 3–Way
SLT	Solenoid Assembly, Line Pressure Control
SLU	Solenoid Assembly, Lock–up Control
SL1	Solenoid Assembly, Clutch Control No. 1
SL2	Solenoid Assembly, Clutch Control No. 2
SL3	Solenoid Assembly, Clutch Control No. 1
SL4	Solenoid Assembly, Clutch Control No. 2



Technical Service Information Bulletin

August 22, 2006

Title:

U660E 6-SPEED FLUID LEVEL INSPECTION

Models:

'07 ES 350

TC006-06

TRANSMISSION & CLUTCH

Introduction This bulletin provides information on the proper A/T fluid fill procedure for the U660E automatic transmission.

Applicable Vehicles

- 2007 model year **ES 350** vehicles.

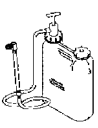
Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
00289-ATFWS	Same	ATF WS	As Needed

Required Tools & Material

TOOLS & MATERIAL	QUANTITY
Miscellaneous Hand Tools	As Needed

Required SSTs

ITEM NO.	SPECIAL SERVICE TOOLS (SSTs)	PART NUMBER	QTY	DRW**
1	Lexus Diagnostic Tester Kit* NOTE: • All components from this kit/set are required. • 12 Megabyte Diagnostic Tester Program Card (P/N 01002593-005) with version 13.4a Software (or later) is required. 	LEX220036	1	8
2	CAN Interface Module Kit* NOTE: • All components from this kit/set are required. 	01002744	1	8
3	Transmission Fill System* NOTE: • All components from this kit/set are required. 	00002-11100-02	1	***

* Essential SSTs.

** Drawer number in SST Storage System.

*** This essential SST is NOT located in SST Storage System.

NOTE:

Additional Diagnostic Tester Kits, CAN Interface Modules, Program Cards, or other SSTs may be ordered by calling SPX/OTC at 1-800-933-8335.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
N/A	Not Applicable to Warranty	—	—	—	—



Lexus Supports ASE Certification

**Repair
Procedure**

1. Connect the Diagnostic Tester to the DLC3 connector.
2. Enter the following menus on the tester:
OBD/MOBD / ENGINE / DATA LIST / A/T OIL TEMP

NOTE:

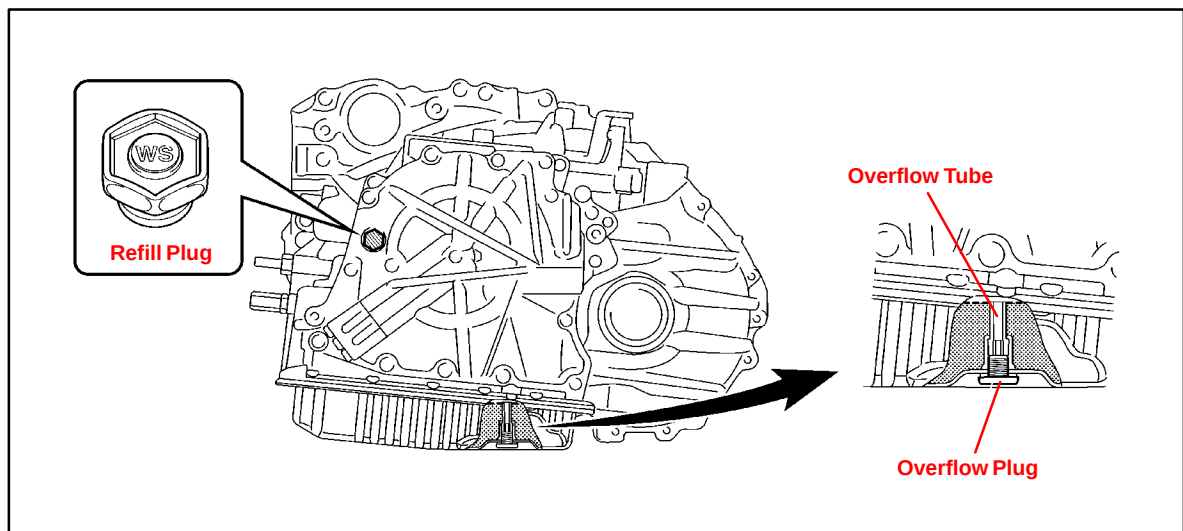
The A/T fluid temperature should be less than 104°F (40°C) before beginning the fluid temperature check.

3. Circulate the A/T fluid.
 - A. Start the engine in Park.
 - B. Move the gear selector from Park to Reverse.
 - C. Move the gear selector from Reverse to Neutral.
 - D. Move the gear selector from Neutral to Drive.
 - E. Return the gear selector to the Park position.

NOTE:

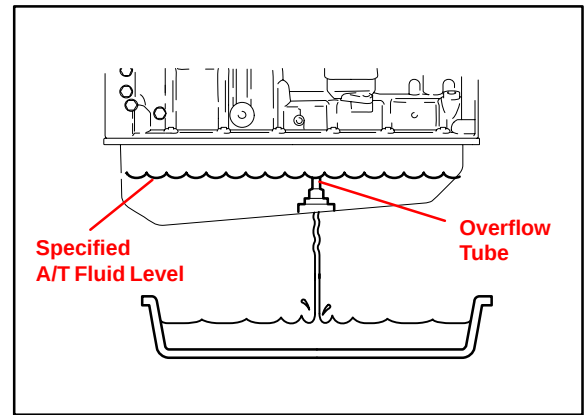
- Allow each gear to engage fully when performing this step.
- The A/T fluid temperature **MUST** be between 104°F (40°C) and 113°F (45°C) to accurately check the fluid level.

4. Check the A/T fluid level.
 - A. Allow the engine to idle until the A/T fluid temperature reaches 102°F (39°C).
 - B. Remove the overflow plug with the engine idling.



**Repair
Procedure**
(Continued)

- C. Check that fluid comes out of the overflow tube while the A/T fluid temperature is in the range of 104 – 113°F (40 – 45°C).
- If fluid does NOT come out while in the temperature range of 104 – 113°F (40 – 45°C), proceed to step 5.
 - If fluid comes out, reinstall the overflow plug.



NOTE:

A small amount of A/T fluid will come out as the overflow plug is removed. Do NOT confuse this for proper fluid level. A/T fluid should come out of the overflow tube at a consistent rate.

5. Add A/T fluid.

Automatic Transaxle Fluid: Genuine ATF WS Transmission Fluid

- A. Remove the refill plug.
- B. Add fluid until it comes out of the overflow tube.
- C. After A/T fluid temperature drops below 102°F (39°C), recheck A/T fluid level as described in step 4.
- D. Install the overflow plug.
- E. Install the refill plug.