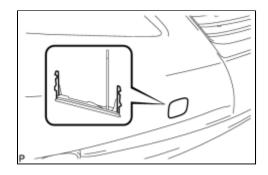
Last Modified: 7-13-2007		1.6 A
Service Category: Vehicle Exterior	Section: Exterior Panels/Trim	
Model Year: 2008	Model: ES350	Doc ID: RM000002DEC002X
Title: EXTERIOR: FRONT BUMPER: DISASSEMBLY (2008 ES350)		

# **DISASSEMBLY**

- 1. REMOVE NO. 1 ULTRASONIC SENSOR (w/Intuitive Parking Assist System)
- 2. REMOVE NO. 1 ULTRASONIC SENSOR RETAINER (w/Intuitive Parking Assist System)

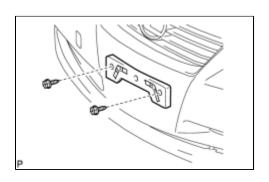


3. REMOVE FRONT BUMPER HOLE COVER



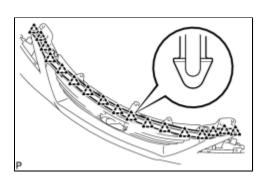
(a) Disengage the 2 claws and remove the front bumper hole cover.

### 4. REMOVE FRONT BUMPER EXTENSION MOUNTING BRACKET



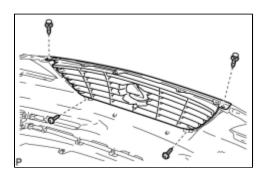
(a) Remove the 2 screws and front bumper extension mounting bracket.

# 5. REMOVE RADIATOR GRILLE SEAL

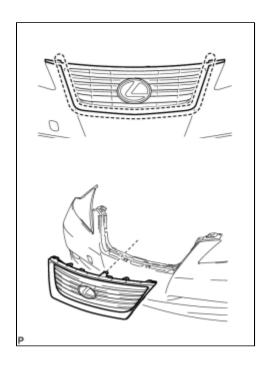


(a) Disengage the 17 clips and remove the radiator grille seal.

# 6. REMOVE RADIATOR GRILLE

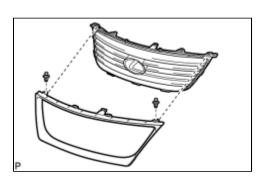


(a) Remove the 2 screws and 2 clips.



(b) Disengage each claw and remove the radiator grille and radiator grille moulding.

# 7. REMOVE RADIATOR GRILLE MOULDING



(a) Remove the 2 clips.

(b) Disengage each claw and remove the radiator grille moulding.

# 8. REMOVE RADIATOR GRILLE EMBLEM (w/o Dynamic Radar Cruise Control System)

## **HINT**:

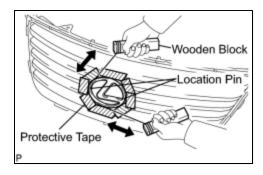
When removing the emblem, heat the radiator grille and emblem using a heat light.

Heating temperature:

ITEM	TEMPERATURE	
Radiator Grille	40 to 60°C (104 to 140°F)	
Emblem	20 to 30°C (68 to 86°F)	

#### NOTICE:

Do not heat the radiator grille and emblem excessively.



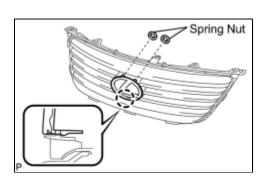
(a) Put protective tape around the radiator grille emblem.

- (b) Insert a piano wire between the radiator grille and radiator grille emblem.
- (c) Tie objects that can serve as handles (for example, wooden blocks) to both wire ends.
- (d) Pull the piano wire and scrape off the double-sided tape that holds the moulding to the radiator grille.

#### **NOTICE:**

- If reusing the radiator grille emblem, take care not to damage the radiator grille emblem.
- Be careful not to damage the radiator grille.
- (e) Remove the radiator grille emblem.

## 9. REMOVE RADIATOR GRILLE EMBLEM (w/ Dynamic Radar Cruise Control System)

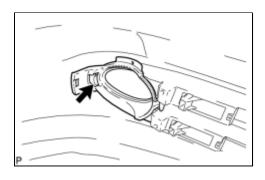


(a) Remove the 2 spring nuts.

- (b) Disengage the claw and remove the radiator grille emblem.
- 10. REMOVE FOG LIGHT ASSEMBLY LH



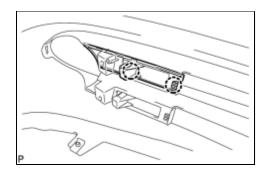
- 11. REMOVE FOG LIGHT ASSEMBLY RH
- 12. REMOVE FOG LIGHT BRACKET LH



(a) Disengage the claw and remove the fog light bracket LH.

#### 13. REMOVE FOG LIGHT BRACKET RH

### 14. REMOVE RADIATOR GRILLE GARNISH

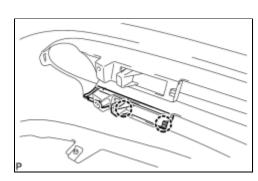


(a) Disengage the 2 claws and radiator grille garnish.

### HINT:

Use the same procedures for the RH side and LH side.

### 15. REMOVE NO. 2 RADIATOR GRILLE GARNISH

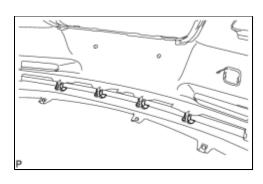


(a) Disengage the 2 claws and No. 2 radiator grille garnish.

### **HINT**:

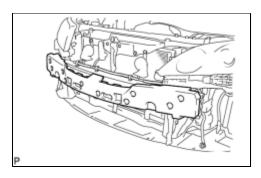
Use the same procedures for the RH side and LH side.

### 16. REMOVE NO. 3 RADIATOR GRILLE GARNISH



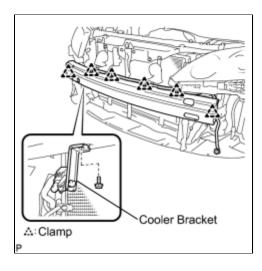
(a) Remove the 4 No. 3 radiator grille garnishes.

# 17. REMOVE FRONT BUMPER ENERGY ABSORBER



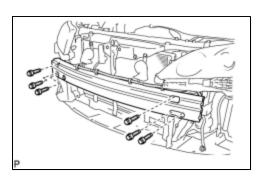
(a) Remove the front bumper energy absorber from the front bumper reinforcement.

### 18. REMOVE FRONT BUMPER REINFORCEMENT



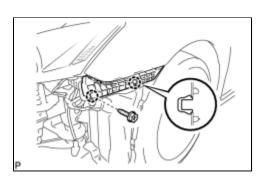
(a) Disengage each clamp.

(b) Remove the bolt and separate the cooler bracket.



(c) Remove the 6 bolts and front bumper reinforcement.

## 19. REMOVE FRONT BUMPER STAY LH



(a) Remove the screw.

(b) Disengage the 2 claws and remove the front bumper stay LH.

# 20. REMOVE FRONT BUMPER STAY RH



