

# RE41

## Knee Bolster

**Uniform  
Procedures For  
Collision Repair  
UPCR**



### 1. Description

This procedure describes methods for the replacement and inspection of knee bolsters.



### 2. Purpose

The purpose of this procedure is to provide industry-accepted requirements for performing high-quality repair of knee bolsters. This procedure is intended for use by professionals who are qualified through training and experience.



### 3. Referenced Documents

The following documents are considered part of this procedure by reference.

#### 3.1 Procedures

PS01 Personnel Safety  
RE21 Airbag Systems  
RF41 Finish Application

#### 3.2 Other Information

Vehicle-specific repair information



## 4. Equipment And Material Requirements

Does not apply.



## 5. Damage Analysis

### 5.1 General Damage

Inspect a knee bolster for these types of damage:

- visible damage
- misalignment to adjacent panels
- distortion
- damaged brackets
- loose or damaged mounting fasteners
- improper previous repairs

Determine whether the knee bolster should be replaced. Repairs may be limited to refinishing. Follow the vehicle maker's recommendations.



## 6. Personnel Safety

### 6.1 General Safety

General safety information is in **PS01**.

### 6.2 Passive Restraint System Safety

Passive restraint system safety information is in **RE21**.



## 7. Environmental Safety

Does not apply.



## 8. Vehicle Protection

Does not apply.



## 9. Repair Procedure

### 9.1 Removal

To remove a knee bolster:

- 1. Disarm the passive restraint system, following the vehicle maker's recommended procedure.
- 2. Remove or reposition the required parts to access the knee bolster mounting brackets.
- 3. Remove the knee bolster from the mounting brackets.
- 4. Remove the knee bolster from the vehicle.
- 5. Remove the knee bolster mounting brackets, if damaged.
- 6. Plan to replace any defective fasteners with the same type, size, and grade.

### 9.2 Installation

To install a knee bolster:

- 1. Attach the knee bolster to the mounting brackets.
- 2. Torque the fasteners to the vehicle maker's recommendations.
- 3. Continue vehicle reassembly.



## 10. Use Of Recycled (Salvage) Parts

### 10.1 Inspection Of Salvage Parts

Do not install a salvage knee bolster having any of these defects:

- visible damage
- improper previous repairs



## 11. Inspection And Testing

### 11.1 Inspection Of A Replaced Knee Bolster

Inspect a replaced knee bolster for these conditions:

- correct position
- proper tightening of all fasteners
- proper finish condition and appearance

Correct any defects.