

## SECTION 10-8

# BODY REAR END

**CAUTION:** This vehicle is equipped with Supplemental Inflatable Restraint (SIR), refer to CAUTIONS in SECTION 9J under "ON-VEHICLE SERVICE" and the SIR Component and Wiring Location view in SECTION 9J before performing service on or around SIR components or wiring. Failure to follow CAUTIONS could result in possible air bag deployment, personal injury or otherwise unneeded SIR system repairs.

**NOTICE:** Always use the correct fastener in the proper location. When you replace a fastener, use ONLY the exact part number for that application. General Motors will call out those fasteners that require a replacement after removal. General Motors will also call out the fasteners that require thread lockers or thread sealant. UNLESS OTHERWISE SPECIFIED, do not use supplemental coatings (paints, greases, or other corrosion inhibitors) on threaded fasteners or fastener joint interfaces. Generally, such coatings adversely affect the fastener torque and joint clamping force, and may damage the fastener. When you install fasteners, use the correct sequence and tightening specifications. Following these instructions can help you avoid damage to parts and systems.

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### ON-VEHICLE SERVICE

#### REAR DOOR

**Figures 1 through 5**

#### Remove or Disconnect

1. Negative (-) battery cable.
2. Spare tire cover.
3. Tire lock, three wheel nuts and spare tire from rear door.
4. Open rear door and remove fourteen plastic retaining clips and rear door interior trim panel from rear door (Figure 1).
5. Pull water deflector away from rear door.
6. Rear defogger electrical connector (Four - Door Models).
7. Rear wiper motor electrical connector (Four - Door Models, if equipped).
8. License plate lamp and center high-mounted stoplamp electrical connectors.

9. Feed wiring harness through rear door, remove grommet and wiring harness from rear door.
10. One nut attaching rear door support to rear door (Four -Door Models) (Figure 2).

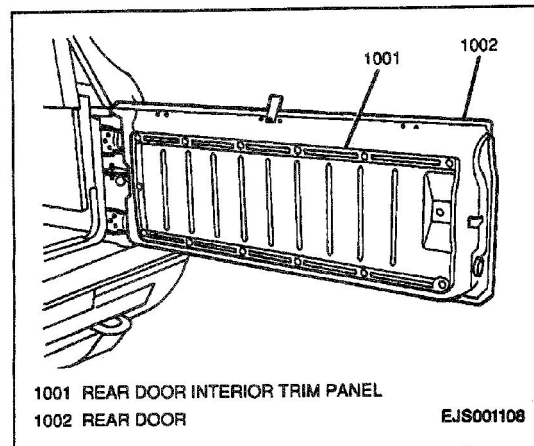


Figure 1—Rear Door Interior Trim Panel

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11. One nut attaching rear door support to rear door opening and remove support from vehicle (Four - Door Models).
12. Place a piece of wood between a floor jack and the rear door to support the door.
13. Rear door open stop pin from rear door open stop (Figure 3).
14. Four bolts securing the lower hinge to the rear door (Figure 4).
15. Two bolts securing the upper hinge to the rear door and rear door from vehicle (Figure 5).

### Install or Connect

1. Rear door to vehicle; secure to upper hinge with two bolts and to lower hinge with four bolts.

### Tighten

- Rear door hinge-to-rear door bolts to 34 N.m (25 lb. ft.).
2. Rear door open stop pin to rear door open stop (Figure 3).
  3. Rear door support to vehicle; secure with two nuts (connect to rear door opening first, Four - Door Models, Figure 2).

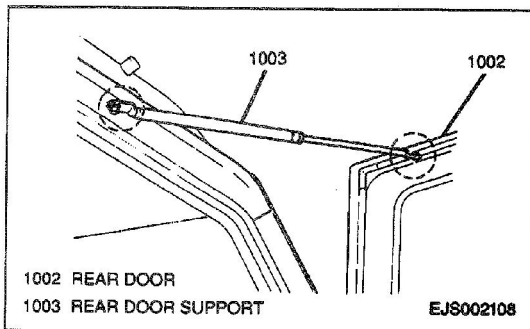


Figure 2—Rear Door Support- Four - Door Models

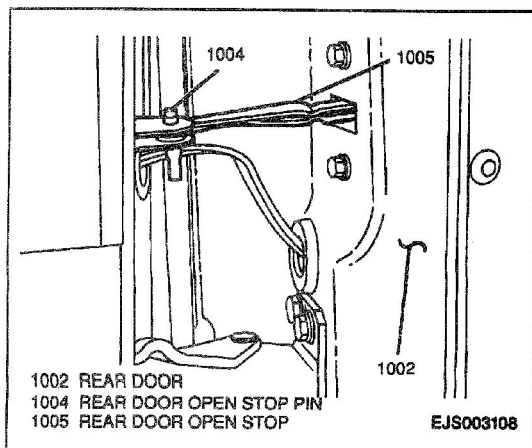


Figure 3—Rear Door Open Stop Pin

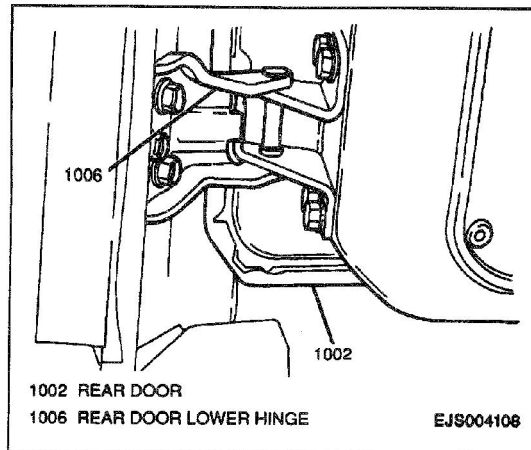


Figure 4—Rear Door Lower Hinge

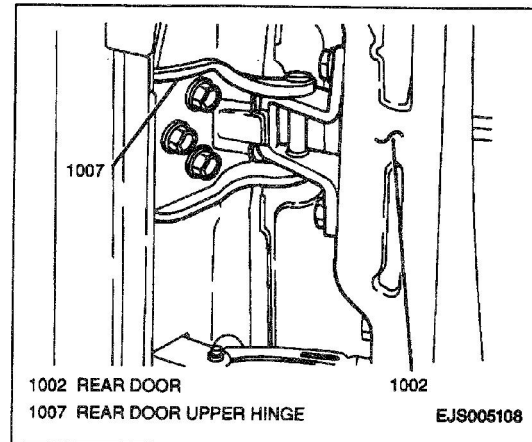


Figure 5—Rear Door Upper Hinge

### Tighten

- Rear door support nuts to 15 N.m (11 lb. ft.).
4. Feed wiring harness through rear door and install grommet.
  5. License plate lamp and center high-mounted electrical connectors.
  6. Rear wiper motor electrical connector (Four - Door Models).
  7. Rear defogger electrical connector (Four - Door Models).

### Inspect

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.
8. Apply adhesive to the back of the water deflector.
  9. Water deflector to door.
  10. Rear door interior trim panel to rear door; secure with fourteen plastic retaining clips (Figure 1).

11. Close rear door and position spare tire on rear door; secure with three wheel nuts and one tire lock.

**Tighten**

- Spare tire wheel nuts to 54 N.m (40 lb. ft.).
12. Spare tire cover.
  13. Negative (-) battery cable.

**Tighten**

- Negative (-) battery cable-to-negative (-) battery terminal retainer to 15 N.m (11 lb. ft.).

**Rear Door Interior Trim Panel**

**Figure 1**

**Remove or Disconnect**

- Open rear door and remove fourteen plastic retaining clips and rear door interior trim panel from rear door (Figure 1).

**Install or Connect**

- Rear door interior trim panel to rear door; secure with fourteen plastic retaining clips and close rear door (Figure 1).

**Rear Door Water Deflector**

**Figure 1**

**Remove or Disconnect**

1. Fourteen plastic retaining clips and rear door interior trim panel from rear door (Figure 1).
2. Pull water deflector away from rear door.

**Inspect**

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.

**Install or Connect**

1. Apply adhesive to the back of the water deflector.
2. Water deflector to door.
3. Rear door interior trim panel to vehicle; secure with fourteen plastic retaining clips (Figure 1).

**Rear Door Handle**

**Figures 1, 6 and 7**

**Remove or Disconnect**

1. Negative (-) battery cable.
2. Fourteen plastic retaining clips and rear door interior trim panel from vehicle (Figure 1).
3. Pull water deflector away from door.

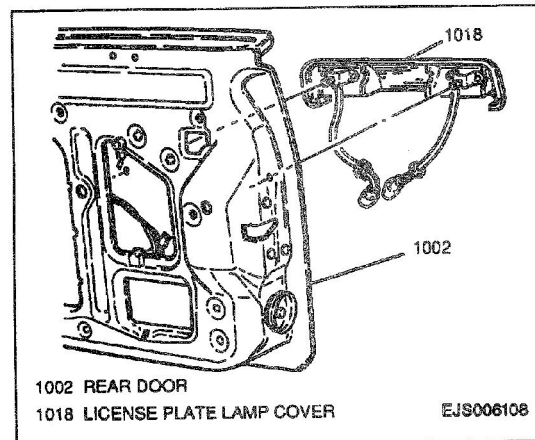
4. Two license plate lamp electrical connectors.
5. Two mounting nuts and pull license plate lamp cover away from rear door (Figure 6).
6. Two grommets from rear door, pull license plate lamp wiring through holes and remove license plate lamp cover from rear door.
7. Rear door handle rod from handle.
8. Two mounting nuts and rear door handle from rear door (Figure 7).

**Install or Connect**

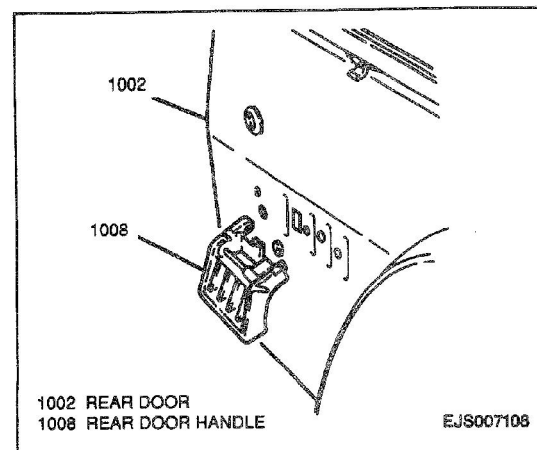
1. Rear door handle to rear door; secure with two mounting nuts (Figure 7).

**Tighten**

- Rear door handle mounting nuts to 10 N.m (89 lb. in.).
2. Rear door handle rod to handle.
  3. Feed license plate lamp wiring through two holes in rear door and install two grommets.



**Figure 6—License Plate Lamp Cover**



**Figure 7—Rear Door Handle**

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4. License plate lamp cover to rear door; secure with two mounting nuts (Figure 6).



### Tighten

- License plate lamp cover mounting nuts to 10 N.m (89 lb. in.).

5. Two license plate lamp electrical connectors.



### Inspect

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.

6. Apply adhesive to the back of the water deflector.
7. Water deflector to rear door.
8. Rear door interior trim panel to vehicle; secure with fourteen plastic retaining clips (Figure 1).
9. Negative (-) battery cable.



### Tighten

- Negative (-) battery cable-to-negative (-) battery terminal retainer to 15 N.m (11 lb. ft.).

## Rear Door Lock

Figures 1, 8 and 9



### Remove or Disconnect

1. Fourteen plastic retaining clips and rear door interior trim panel from vehicle (Figure 1).
2. Pull water deflector away from rear door.
3. Lock cylinder control rod from rear door lock.
4. Rear door handle rod from rear door lock.
5. Three mounting screws and rear door lock from rear door (Figure 9).



### Install or Connect

1. Rear door lock to rear door; secure with three mounting screws.
2. Rear door handle rod to rear door lock.
3. Lock cylinder control rod to rear door lock.

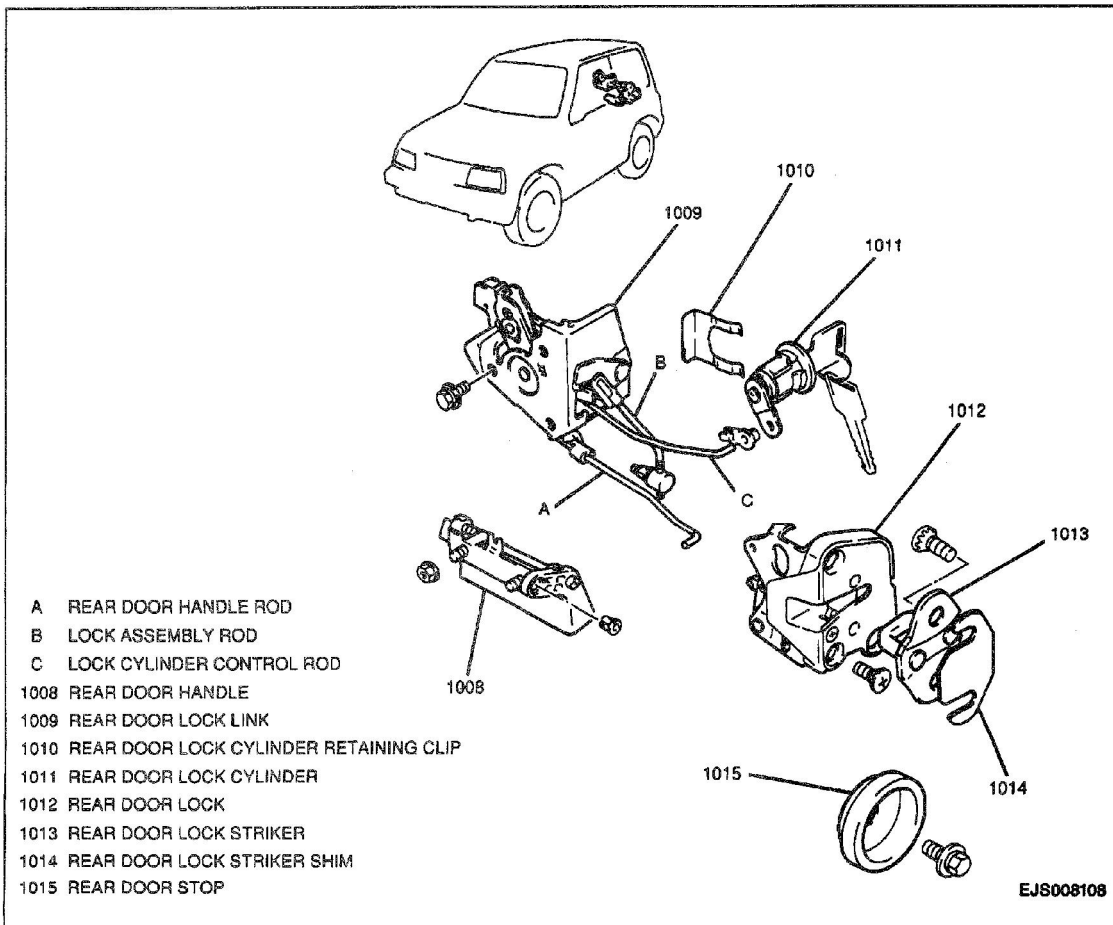


Figure 8—Rear Door Lock Components

### Inspect

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.
- 4. Apply adhesive to the back of the water deflector.
- 5. Water deflector to rear door.
- 6. Rear door interior trim panel to vehicle; secure with fourteen plastic retaining clips (Figure 1).

### Rear Door Lock Cylinder

Figures 1 and 8

#### Remove or Disconnect

1. Fourteen plastic retaining clips and rear door interior trim panel from rear door (Figure 1).
2. Pull water deflector away from rear door.
3. Lock cylinder control rod from lock cylinder (Figure 8).
4. Retaining clip and lock cylinder from rear door.

#### Install or Connect

1. Lock cylinder to rear door; secure with retaining clip.
2. Lock cylinder control rod to lock cylinder.

### Inspect

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.
- 3. Apply adhesive to the back of the water deflector.
- 4. Water deflector to rear door.
- 5. Rear door interior trim panel to rear door; secure with fourteen plastic retaining clips (Figure 1).

### Rear Door Lock Striker

Figures 8, 10 and 11

#### Remove or Disconnect

1. Mark position of lock striker on rear door jamb.
2. Two screws and lock striker from rear door jamb (Figure 10).

#### Install or Connect

1. Lock striker to rear door jamb; secure with two screws (Figure 10).

### Adjust

- A. Striker vertical measurement so that the striker shaft aligns with the center of the rear door lock assembly (Figure 11).
- B. Keeping striker level, move striker sideways to adjust rear door flushness with quarter panel as necessary. Refer to SECTION 10-1 for rear door flushness specifications.

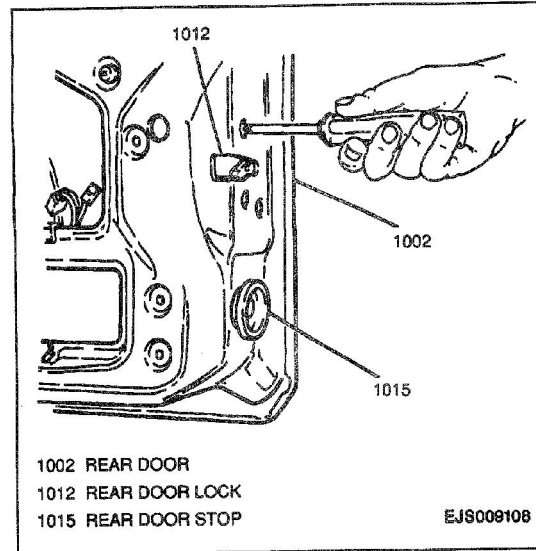


Figure 9—Removing Rear Door Lock Mounting Screws

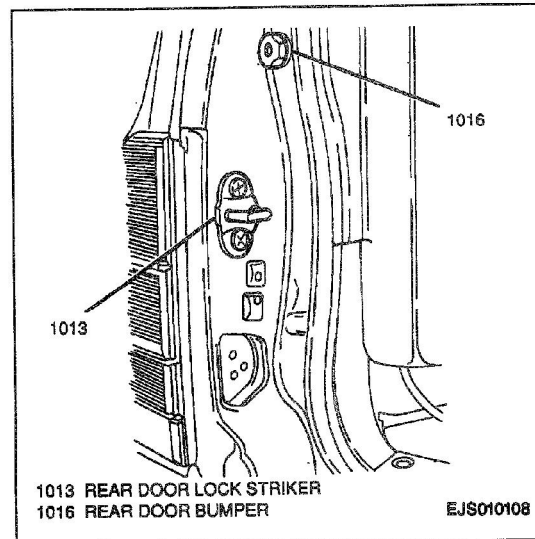


Figure 10—Rear Door Lock Striker

### Rear Door Lock Link

Figures 1 and 8

#### Remove or Disconnect

1. Open rear door and remove fourteen plastic retaining clips and rear door interior trim panel from rear door (Figure 1).
2. Pull water deflector away from rear door.
3. Rear door handle rod, lock cylinder control rod and lock assembly rod from rear door lock link (Figure 8).

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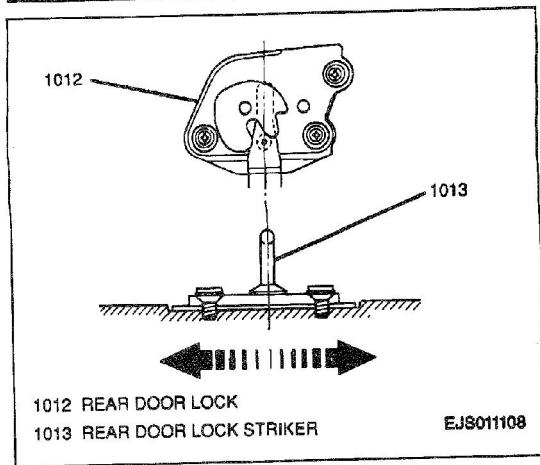


Figure 11—Rear Door Lock Striker Alignment

4. Three screws and rear door lock link from rear door.

### Install or Connect

1. Rear door lock link to rear door; secure with three screws.
2. Rear door handle rod, lock cylinder control rod and lock assembly rod to rear door lock link.

### Inspect

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.
3. Apply adhesive to the back of the water deflector.
  4. Water deflector to rear door.
  5. Rear door interior trim panel; secure with fourteen plastic clips and close rear door (Figure 1).

### Rear Door Window

Refer to SECTION 10-2 for rear door window removal and installation procedures.

### Rear Door Hinges

Figures 4 and 5

### Remove or Disconnect

1. Rear door from vehicle. Refer to "Rear Door" earlier in this section.
2. Three bolts and upper hinge from vehicle (Figure 5).
3. Three bolts and lower hinge from vehicle (Figure 4).

### Install or Connect

1. Lower hinge to vehicle; secure with three bolts (Figure 4).

### Tighten

- Rear door hinge-to-vehicle bolts to 34 N.m (25 lb. ft.).
2. Upper hinge to vehicle; secure with three bolts (Figure 5).

### Tighten

- Rear door hinge-to-vehicle bolts to 34 N.m (25 lb. ft.).
3. Rear door to vehicle. Refer to "Rear Door" earlier in this section.

### Rear Door License Plate Lamp Cover

Figures 1 and 6

### Remove or Disconnect

1. Negative (-) battery cable.
2. Fourteen plastic retaining clips and rear door interior trim panel from vehicle (Figure 1).
3. Pull water deflector away from rear door.
4. Two license plate lamp electrical connectors.
5. Two mounting nuts and pull license plate lamp cover away from rear door (Figure 6).
6. Two grommets from rear door, pull license plate lamp wiring through holes and remove license plate lamp cover from rear door.

### Install or Connect

1. Feed license plate lamp wiring through two holes in rear door and install two grommets.
2. License plate lamp cover to rear door; secure with two mounting nuts (Figure 6).

### Tighten

- License plate lamp cover mounting nuts to 10 N.m (89 lb. in.).
3. Two license plate lamp electrical connectors.

### Inspect

- For tears and holes in water deflector. Repair using waterproof tape on both sides of the deflector.
4. Apply adhesive to the back of the water deflector.
  5. Water deflector to rear door.
  6. Rear door interior trim panel to vehicle; secure with fourteen plastic retaining clips (Figure 1).
  7. Negative (-) battery cable.

### Tighten

- Negative (-) battery cable-to-negative (-) battery terminal retainer to 15 N.m (11 lb. ft.).

## Rear Door Support—Four - Door Models

Figures 2 and 12

### Remove or Disconnect

1. One nut attaching rear door support to rear door (Figure 2).
2. One nut attaching rear door support to rear door opening and remove support from vehicle (Figure 2).

**CAUTION:** The rear door support cylinder is gas-filled and should not be disassembled. If disassembly is attempted prior to relieving the gas pressure, personal injury could result. Use the following procedure prior to discarding a support.

- A. Wear safety glasses.
- B. Wrap support in a clean vinyl bag.
- C. Cut off corner of vinyl bag.
- D. Release gas pressure by drilling a 2 to 3 mm (0.08 to 0.12-inch) hole through the vinyl bag and into the support (Figure 12).

### Install or Connect

- Rear door support to vehicle; secure with two nuts (connect to rear door opening first, Figure 2).

### Tighten

- Rear door support nuts to 15 N·m (11 lb. ft.).

## Rear Door Stop

Figure 13

### Remove or Disconnect

- One mounting bolt and rear door stop from rear door (Figure 13).

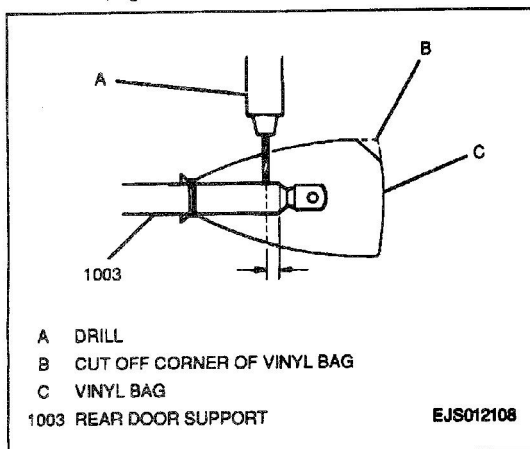


Figure 12—Discarding Rear Door support

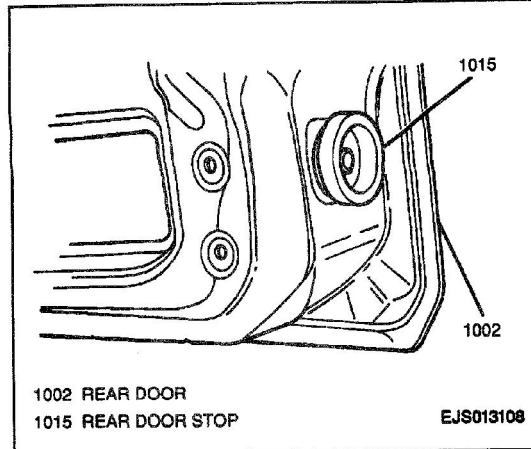


Figure 13—Rear Door Stop

### Install or Connect

- Rear door stop to rear door; secure with one mounting bolt (Figure 13).

### Tighten

- Rear door stop mounting bolt to 20 N·m (15 lb. ft.).

## SPARE TIRE CARRIER

Figure 14

### Remove or Disconnect

1. Spare tire cover.
2. Tire lock, three wheel nuts and spare tire from rear door.
3. Four mounting bolts (Four - Door Models, six bolts and center high-mounted stoplamp on convertible models) and spare tire carrier from vehicle (Figure 14).

### Install or Connect

1. Spare tire carrier to vehicle; secure with four mounting bolts (Four - Door Models, six bolts and center high-mounted stoplamp on convertible models, Figure 14).

### Tighten

- Spare tire carrier mounting bolts to 45 N·m (33 lb. ft.).

2. Spare tire to rear door; secure with three wheel nuts and one tire lock.

### Tighten

- Spare tire wheel nuts to 54 N·m (40 lb. ft.).
3. Spare tire cover.

## 10-8-8 BODY REAR END

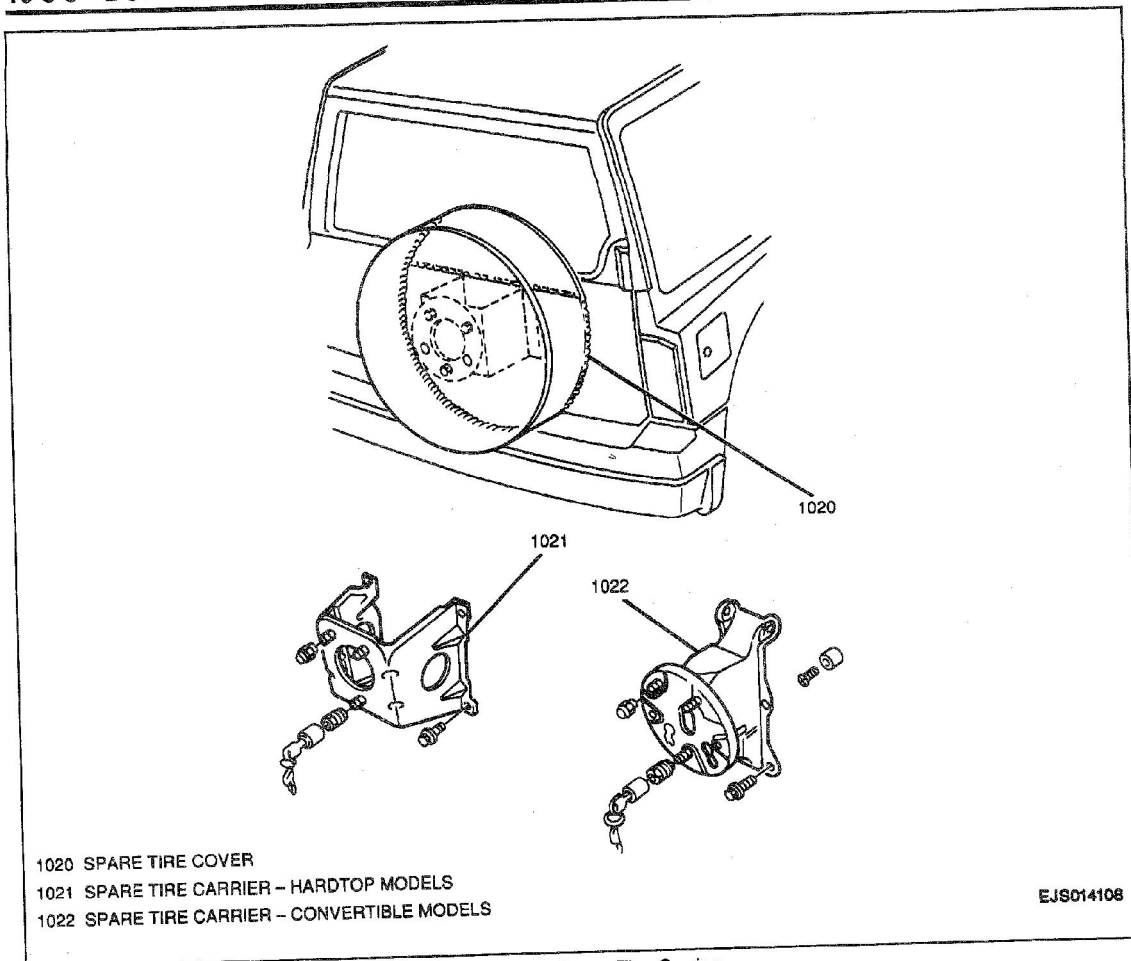


Figure 14—Spare Tire Carrier

### TRAILER HITCH DRAW BAR

Figure 15

#### Remove or Disconnect

1. Four mounting bolts and trailer hitch draw bar from vehicle frame (Figure 15).
2. One mounting bolt and trailer hitch ball from trailer hitch draw bar (if necessary).

#### Install or Connect

1. Trailer hitch ball to trailer hitch draw bar; secure with one mounting bolt (if removed).

#### Tighten

- Trailer hitch ball mounting bolt to 95 N·m (70 lb. ft.).
2. Trailer hitch draw bar to vehicle frame; secure with four mounting bolts (Figure 15).

#### Tighten

- Trailer hitch draw bar mounting bolts to 70 N·m (51 lb. ft.).

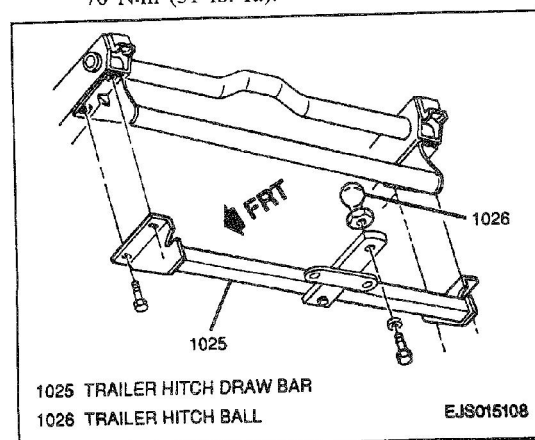


Figure 15—Trailer Hitch Draw Bar



## SPECIFICATIONS

### FASTENER TIGHTENING SPECIFICATIONS

License Plate Lamp Cover Mounting Nuts.....	10 N.m (89 lb. in.)
Negative (-) Battery Cable-to-Negative (-) Battery Terminal Retainer.....	15 N.m (11 lb. ft.)
Rear Door Hinge-to-Rear Door Bolts.....	34 N.m (25 lb. ft.)
Rear Door Hinge-to-Vehicle Bolts.....	34 N.m (25 lb. ft.)
Rear Door Handle Mounting Nuts.....	10 N.m (89 lb. in.)
Rear Door Stop Mounting Bolts.....	20 N.m (15 lb. ft.)
Rear Door Support Nuts.....	15 N.m (11 lb. ft.)
Spare Tire Carrier Mounting Bolts.....	45 N.m (33 lb. ft.)
Spare Tire Wheel Nuts.....	54 N.m (40 lb. ft.)
Trailer Hitch Ball Mounting Bolt.....	95 N.m (70 lb. ft.)
Trailer Hitch Draw Bar Mounting Bolts.....	70 N.m (51 lb. ft.)

10-8-10 BODY REAR END

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