

510 Exterior Trim, Bumpers

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GENERAL

This repair group includes repair information for the outside rear view mirrors, front and rear bumper and the easily removable exterior trim parts.

The photos in this group illustrate a 2004 545i. Other models may vary.

See also:

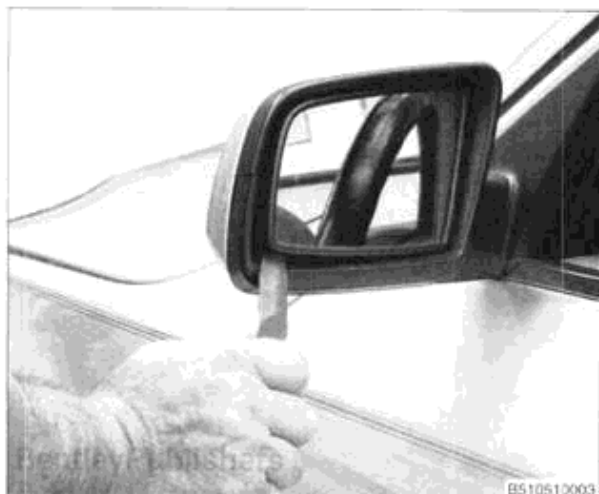
- **411 Doors** for door panels
- **513 Interior Trim**

CAUTION—

- Prior to disconnecting the battery, read the battery disconnection cautions given in **001 Warnings and Cautions**.
- To prevent marring the trim, work with a plastic prying tool or wrap a screwdriver tip with masking tape before prying out trim panels, switches or electrical accessories.

510-2 Exterior Trim, Bumpers

Outside mirror glass, removing and installing



OUTSIDE REAR VIEW MIRROR

Outside mirror glass, removing and installing

To avoid breaking, move mirror glass carefully and slowly. For added protection, cover glass completely with masking tape or wear hand protection when removing.

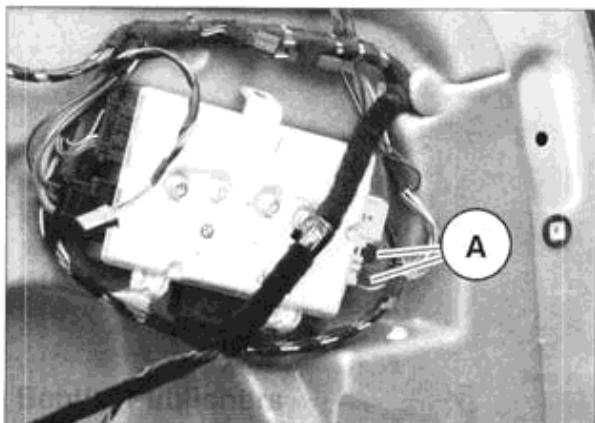
CAUTION—

- Make sure mirror glass is at or above room temperature before removing. Otherwise, small plastic parts or glass may break.

- Tilt mirror housing out.
- With mirror glass squarely positioned in housing frame, push bottom of glass fully into housing.
- Insert plastic wedge under corner of glass and gently pry glass up until glass disengages from retaining clips.
- Lift glass out and store mirror glass safely.
- When installing:
 - Position mirror glass in housing while aligning plastic retainers.
 - Carefully lever top center of glass down to engage retaining clips.
 - Check that mirror moves freely in all directions.

Outside mirror housing, removing and installing

- Remove interior door trim panel. See **411 Doors**.
- Remove door window frame cover.
- Disconnect electrical connectors (A). Vehicle equipped with door module shown, others are similar.



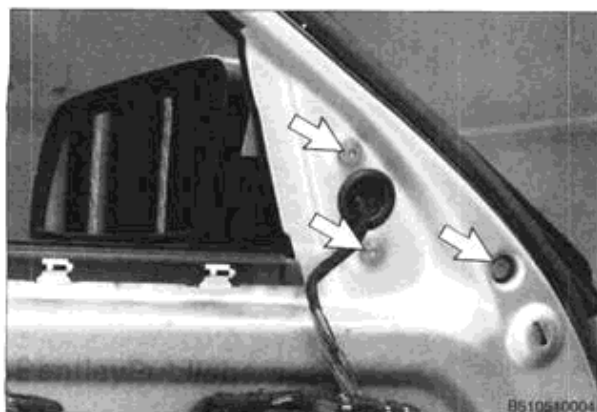
- Support mirror from outside and remove fasteners (arrows).
- Installation is reverse of removal.

NOTE—

- Check mirror function before reinstalling door panel trim.

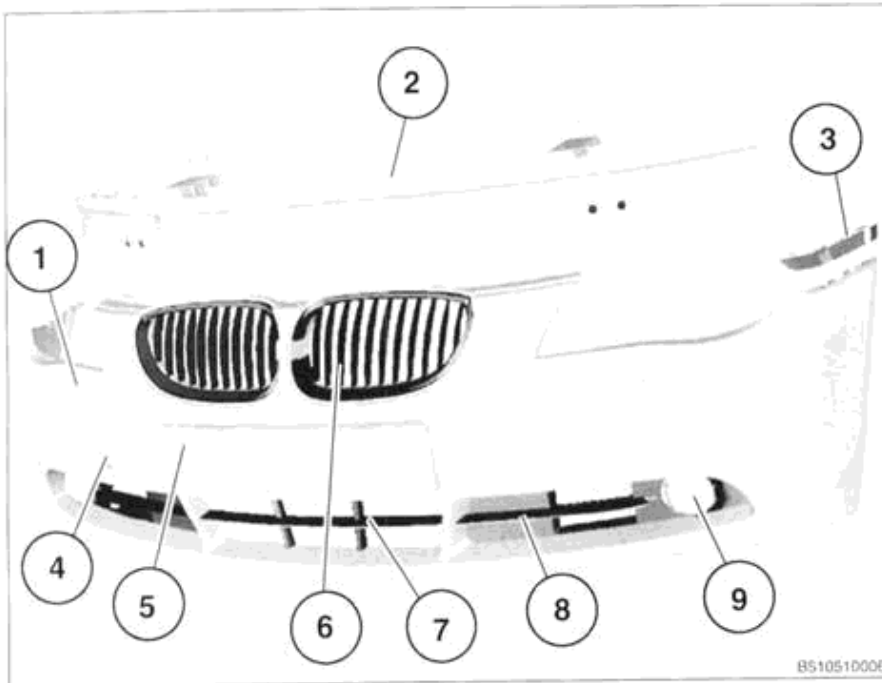
Tightening torques

Outside mirror to door	
• Previously installed mirror	6 Nm (4.5 ft-lb)
• New mirror	8 Nm (6 ft-lb)



BUMPERS

Front bumper assembly

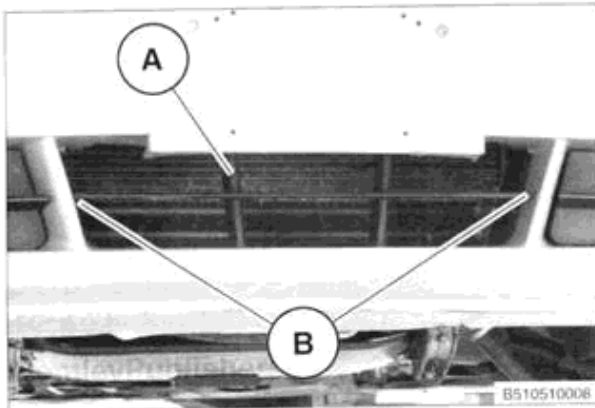


1. Front bumper cover
2. Front bumper support
3. Bracket
4. Towing eye cover
5. License plate holder
6. Radiator grill
7. Lower grill
8. Air duct trim
9. Foglight

BS10510006

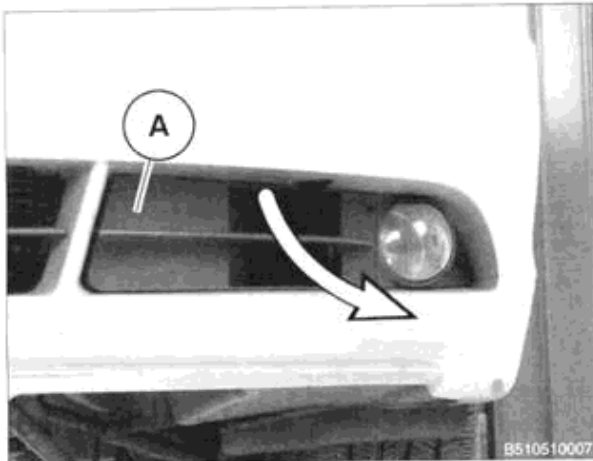
Front bumper cover, removing and installing

- Release lower grill catches (B) and remove grill (A).



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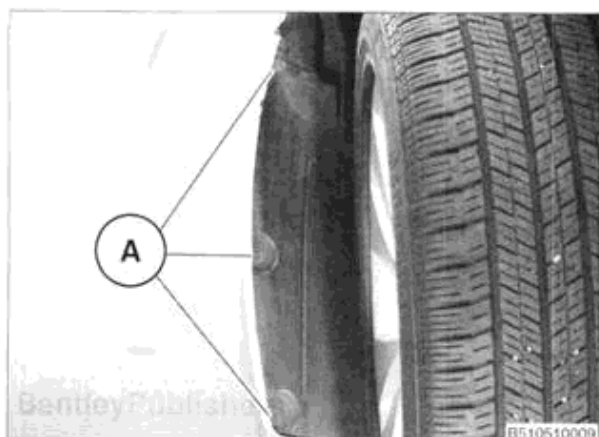
- Release air duct grill catches in direction of **arrow** and remove grill (A).



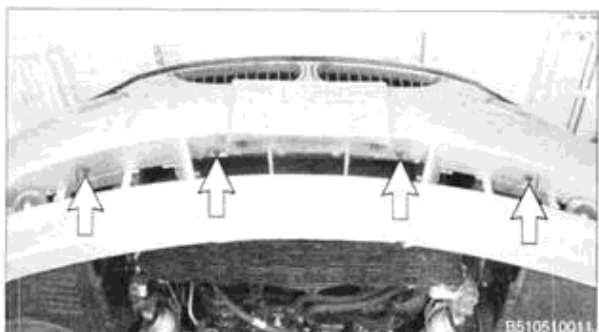
BS10510007

510-4 Exterior Trim, Bumpers

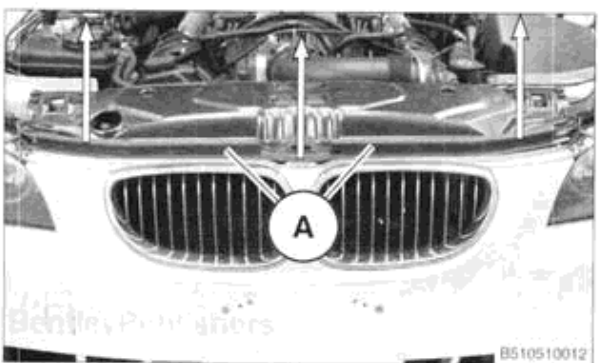
Front bumper cover, removing and installing



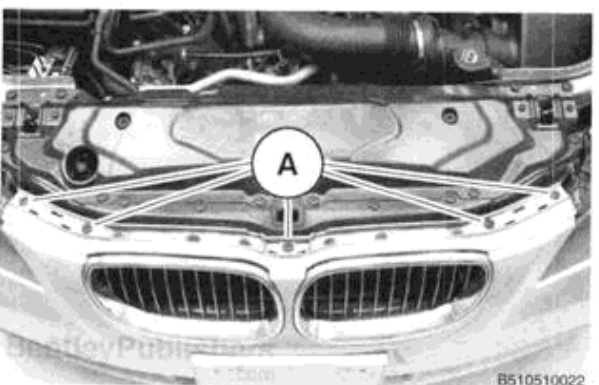
- Working in left front wheel well, remove wheel housing trim fasteners (A). Repeat procedure for right side of vehicle.



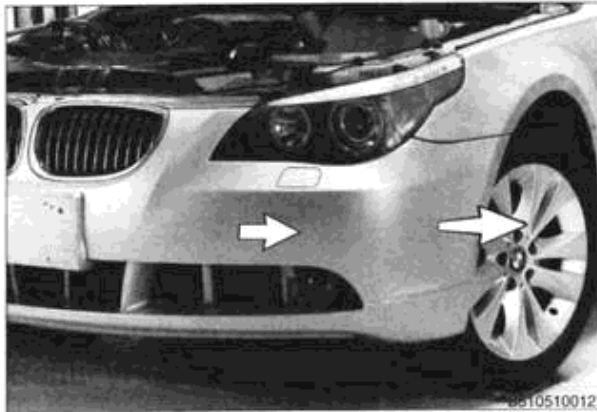
- Remove bumper fasteners (arrows).



- Lift off trim strip with seal (A).



- Remove bumper cover fasteners (A).



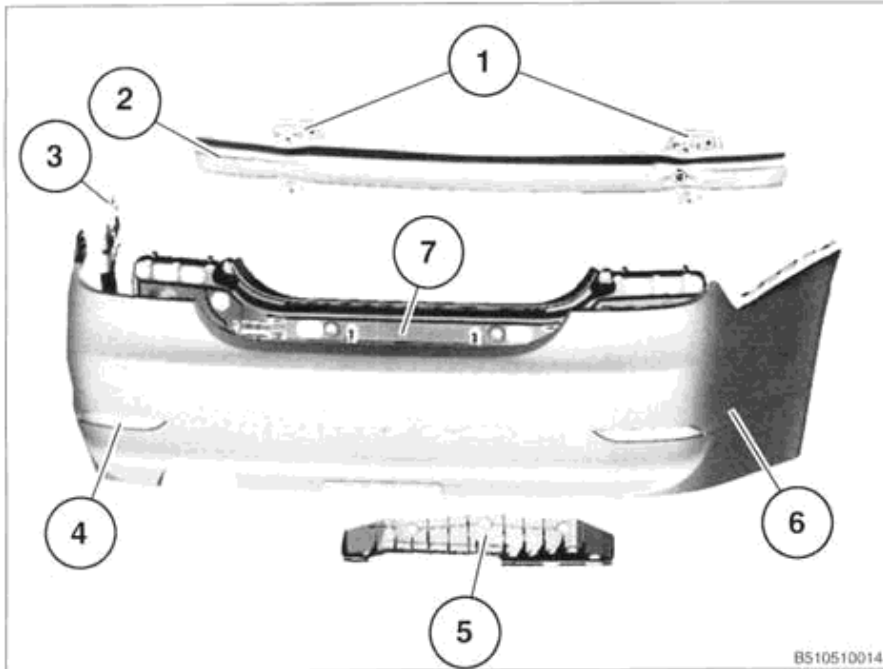
Detach bumper cover at sides in direction of **arrows**.

- Slide bumper cover forward just enough to detach connections for headlight washers, foglights and parktronic sensors (if equipped).
- Remove bumper cover forward with help from an assistant.
- Installation is reverse of removal.

Tightening torques

Bumper cover to front end	5 Nm (3.6 ft-lb)
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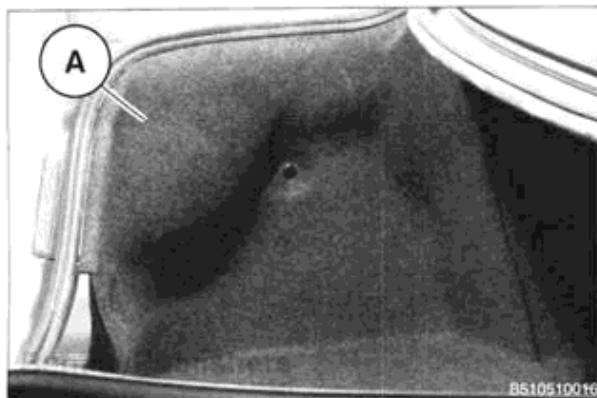
Rear bumper assembly



- Impact absorber
- Bumper support
- Side holder
- Rear reflector
- Bottom guide
- Bumper cover
- Top guide

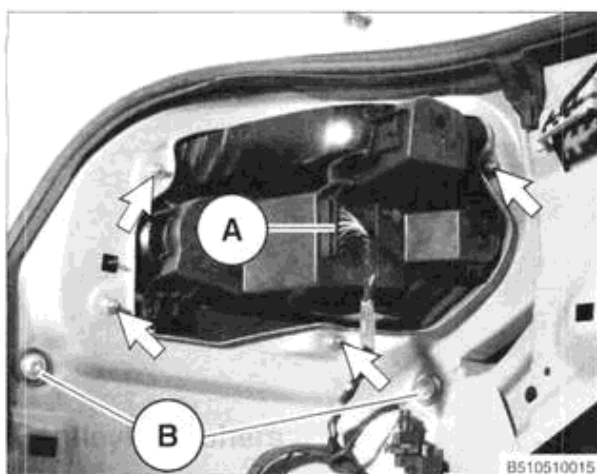
Rear bumper cover, removing and installing

Working in trunk, remove left and right side trim panel (**A**). Left side shown, right side is similar.

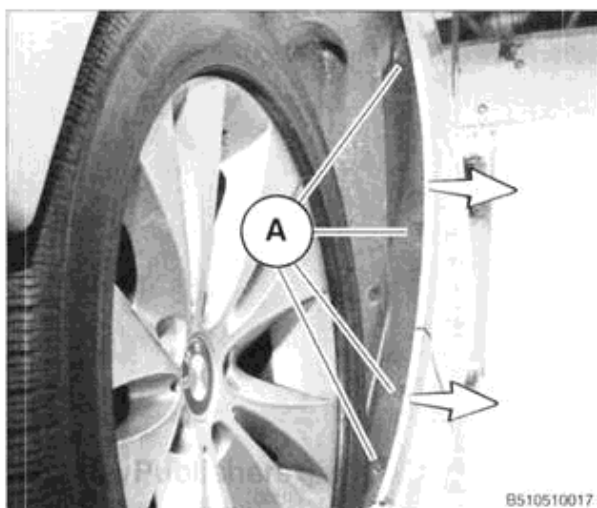


510-6 Exterior Trim, Bumpers

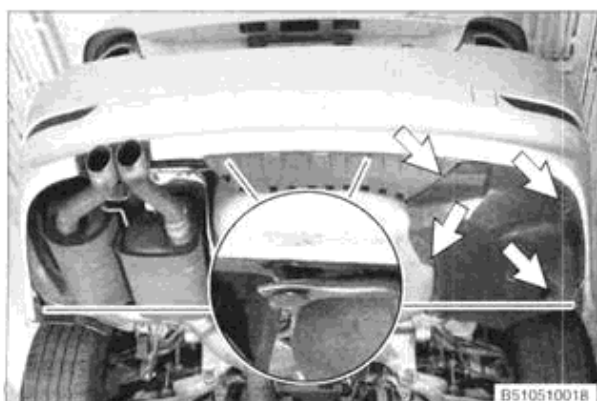
Rear bumper cover, removing and installing



- Working at left taillight assembly:
- Disconnect electrical connector (A).
 - Remove taillight fasteners (arrows).
 - Remove taillight assembly from body panel.
 - Remove bumper cover fasteners (B)
 - Repeat procedure for right side of vehicle.



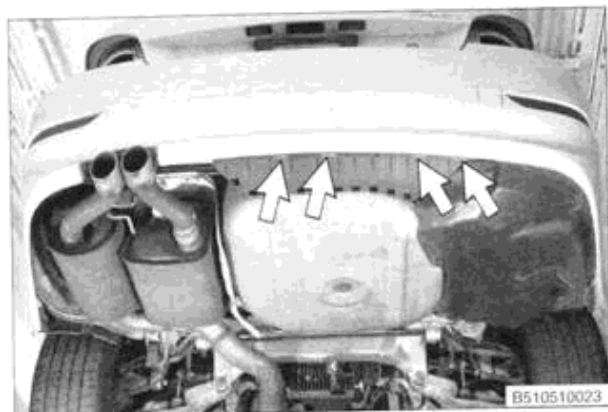
- Working in left rear wheel well:
- Remove fasteners (A).
 - Pull rear bumper cover out of mounting bracket in direction of arrows.
 - Repeat procedure for right side of vehicle.



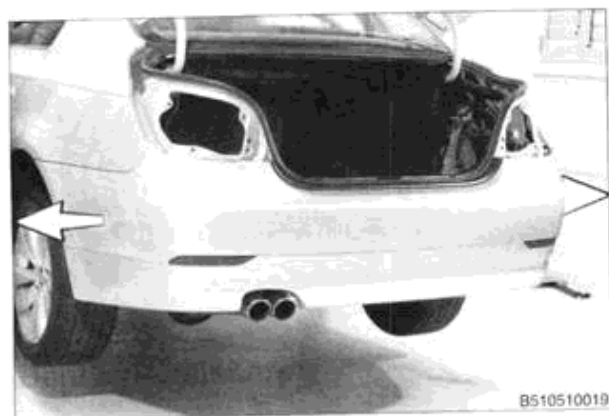
- Working under rear bumper, Remove expansion rivets (inset). Release bumper trim fasteners (arrows).

Exterior Trim, Bumpers 510-7

Rear bumper impact absorber, replacing



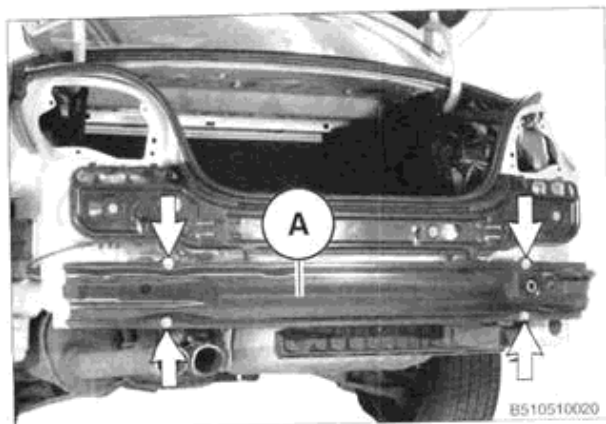
- Using a screwdriver, pry out bumper retaining tabs (**arrows**).



- Pull left and right side upper edges out in direction of **arrows**. Then remove bumper cover by pulling back and up.
- Disconnect electrical connectors for parktronic sensors, if equipped.
 - Remove bumper cover with help from an assistant. Be careful not to damage bumper catches.
 - Installation is reverse of removal.

Rear bumper impact absorber, replacing

- Remove rear bumper cover. See **Rear bumper cover, removing and installing** in this repair group.
- Remove fasteners (**arrows**) and remove impact absorber (**A**).
- Installation is reverse of removal. Remember to replace defective panel nuts.

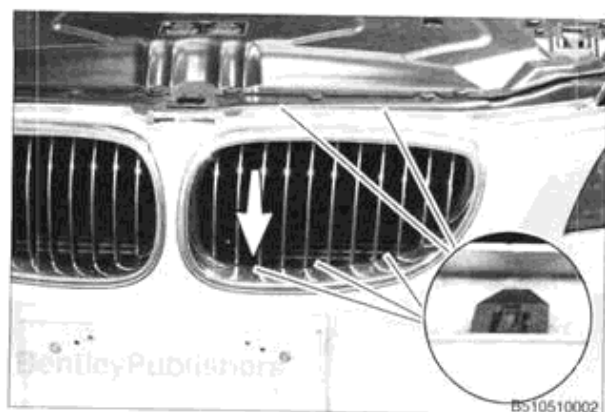
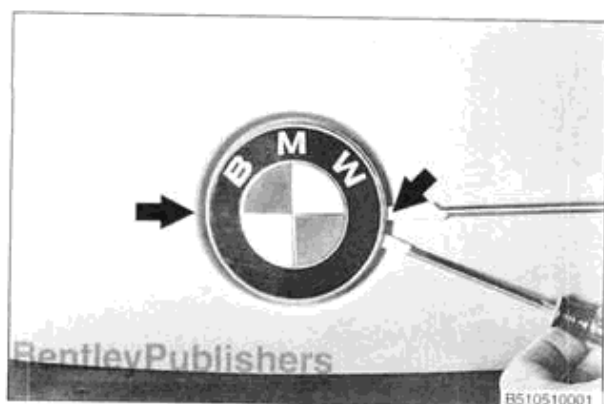


Tightening torques

Impact absorber to body • M10	36 Nm (26.5 ft-lb)
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510-8 Exterior Trim, Bumpers

BMW emblem, removing and installing



EXTERIOR TRIM

Exterior trim is attached to the body with plastic clips and fasteners that may be damaged during removal. Be sure to have necessary fasteners on hand when reinstalling exterior trim pieces.

BMW emblem, removing and installing

The procedure given below applies to both front and rear emblems.

- Wrap end of a screwdriver with tape.

CAUTION—

- Protect hood paint by covering area around emblem with tape.

- Pry up emblem carefully on either side (**arrows**).
- Installation is reverse of removal.
 - Replace plastic inserts in body if damaged.
 - If emblem fits loosely, use a small amount of body molding tape or adhesive on rear of emblem before installing.

Radiator grill, removing and installing

- Remove front bumper cover. See **Front bumper cover, removing and installing** in this repair group.
- Release catches (**inset**) and remove radiator grill in direction of **arrow**.
- Once grill is removed, pry remaining tabs to separate inner grill from chrome trim ring.
- Before installation, assemble chrome trim ring and grill insert securely. Replace components if tabs or catches are broken or missing.
- Install grill and trim ring in appropriate location in hood. Press on trim ring until grill snaps into place.
- Assemble front bumper cover.

