

Part Number: PT278-02021 (MY2003/4)
PT278-02050 (MY2005 -)

Section I - Installation Preparation

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Bumper Protector
2	1	Installation Instruction Sheets
3	1	Paper Template Sheet

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		

Conflicts

Note: None

Recommended Tools

Safety Tools	
Safety Glasses	
Vehicle Protection	Seat & Floor Covers
Special Tools	
Roller	Hard Rubber or Wood Hand Roller, 1" to 3" Wide
Installation Tools	
Scissors/Utility Knife	Paper Scissors or Sharp X-Acto Knife
Masking Tape	1" Wide
Clean Lint-free Cloth	
Special Chemicals	
Cleaner	3M™ Prep Solvent-70

General Applicability






Rear Bumper Protector can be installed on all Matrix Models.

Recommended Sequence of Application

Item #	Accessory	
1	Rear Bumper Protector	Can be installed in any sequence with other accessories.






*Mandatory

Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CRITICAL PROCESS: Proceed with caution to ensure a quality installation.
	GENERAL PROCESS: This highlights specific processes to ensure a quality installation.
	TOOLS & EQUIPMENT: Calls out the specific tools and equipment recommended for this process.



Section II - Installation Procedure

A. Vehicle Preparation

-  1. Before working on the vehicle, protect the seats and carpets with covers.
-  2. The work area, protector, and vehicle bumper surface temperature must be at least 60 degrees F.
- 3. Open the rear lift gate.
-  4. Saturate a clean lint free cloth with 3M™ Prep Solvent-70 and scrub the top surface of the rear bumper as shown in Fig. A 1.
-  i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer's directions. Do not allow cleaner to air dry.
-  5. Wipe the scrubbed bumper surface with a clean dry lint free cloth.

NOTE: Once cleaned do not contaminate this surface by touching it with your bare hands.

B. Template Mounting.

-  1. Using a pair of paper cutting scissors or a sharp X-Acto knife carefully cut out the three paper templates.
-  2. Fold template "A," "B," and "C" where noted and tape them in place as shown in Fig. B 1.
 - i. The cut out holes in templates "A" and "C" are to be centered over the bumper mounting screws.

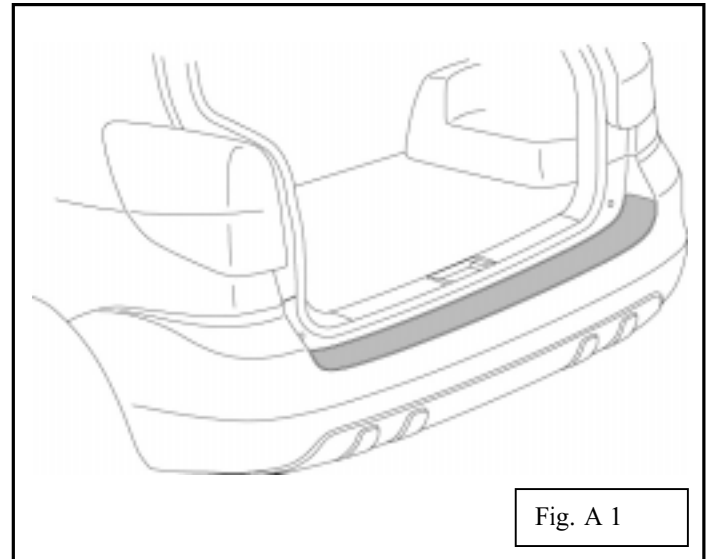


Fig. A 1

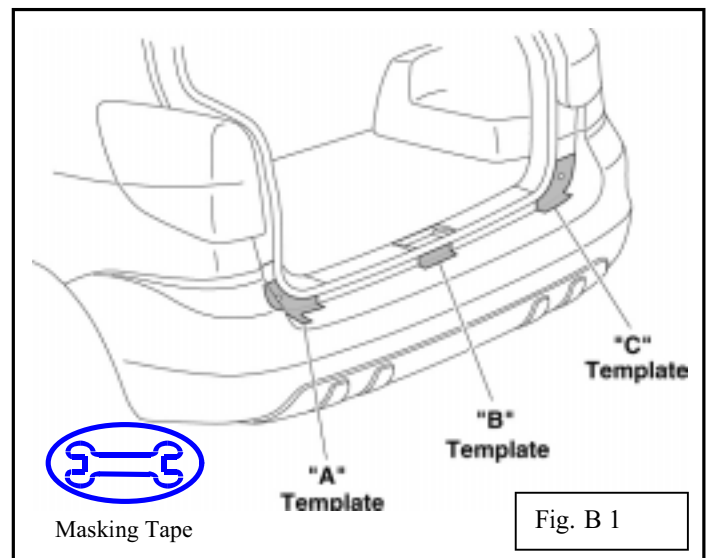


Fig. B 1

C. Bumper Protector Installation.

- ➔ 1. While carefully holding the bumper protector by its edges, pull the plastic tape at the end of the part to remove the release liner from the acrylic foam tape.
- 🛑 **NOTE:** Once the release liner is removed from the bumper protector, the surface of the foam tape must not be touched!
- ➔ 2. Hold the bumper protector about 1/2" above the surface of the bumper and align the left hand corner with the notch in template "A" and the forward edges of the bumper protector with the rear edges of templates "B" and "C."
- ➔ 3. While keeping the bumper protector aligned, lower the left-hand corner until it contacts the bumper and starts to stick. Using a rolling motion, lower the rest of the bumper protector to the bumper from left to right. Do not allow both ends of the bumper protector to stick to the bumper before the center touches. See Fig. C 1.
- ➔ 4. Using the hard roller, roll around the perimeter of the part with at least 30 lbs. of pressure to ensure complete adhesion of the acrylic foam tape to the bumper surface. See Fig. C 2.

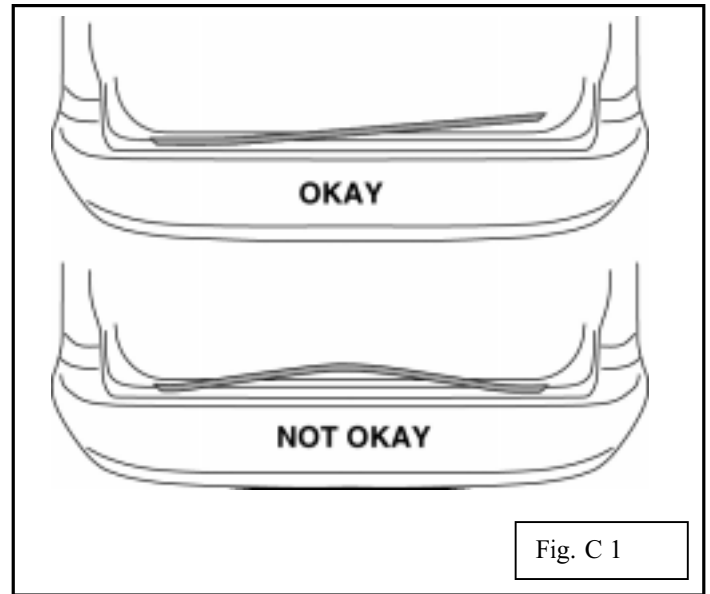


Fig. C 1

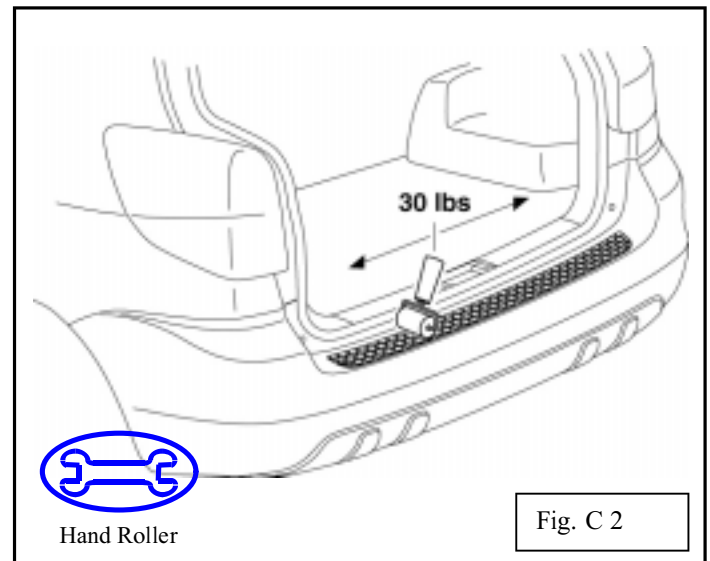


Fig. C 2



Section III - Functional Verifications

Check: _____

Check visual alignment

Check for proper tape adhesion.

Look For: _____

Bumper protector should be visually centered left to right.

The rear edge of the bumper protector should appear visually parallel to the rear edge of the vehicle bumper.

The bumper protector should not extend back out over the rear of the bumper where the bumper surface starts to transition to vertical surfaces.

A gap of approximately 1/2 mm is designed to exist between the edges of the bumper protector and the bumper.

No gap is allowed between the tape and the bumper.