



INSTALLATION INSTRUCTIONS

Accessory
REAR UNDER SPOILER

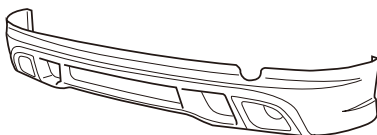
Application
2011 FIT MUGEN

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NOTE: The rear under spoiler cannot be installed on a vehicle equipped with splash guards.

PARTS LIST

Rear under spoiler



4 Washer bolts (6 x 15 mm)



1 Rubber washer



4 Flange nuts



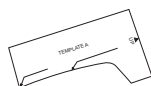
4 Self-tapping screws



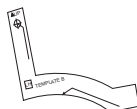
4 Spring nuts



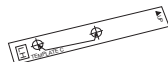
Template A



Template B



Template C



Template D



TOOLS REQUIRED

Phillips screwdriver

Flat-tip screwdriver

Hex wrench

Drill

5 mm Allen wrench

3 mm, 6 mm, and 10 mm Drill bits

Clip remover

Center punch

Pushpin

Hacksaw blade

Utility knife

Felt-tip pen

Rubber roller

Masking tape

Isopropyl alcohol

Shop towel

Eye protection

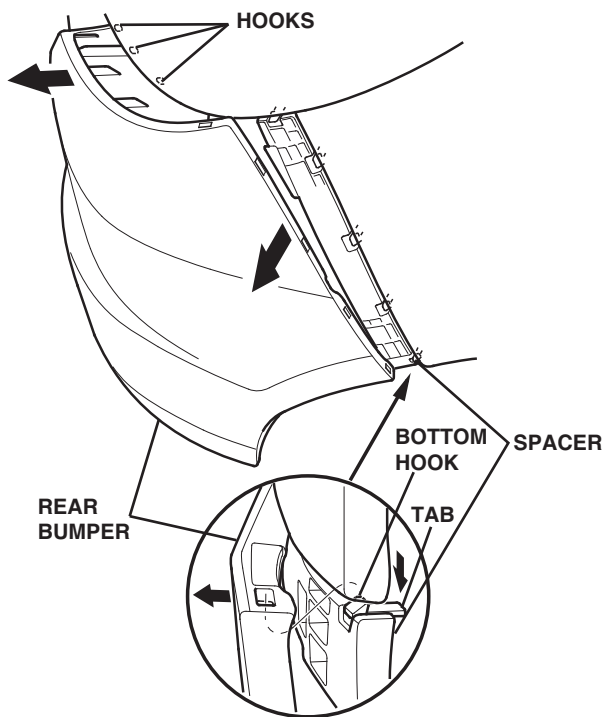
INSTALLATION

Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

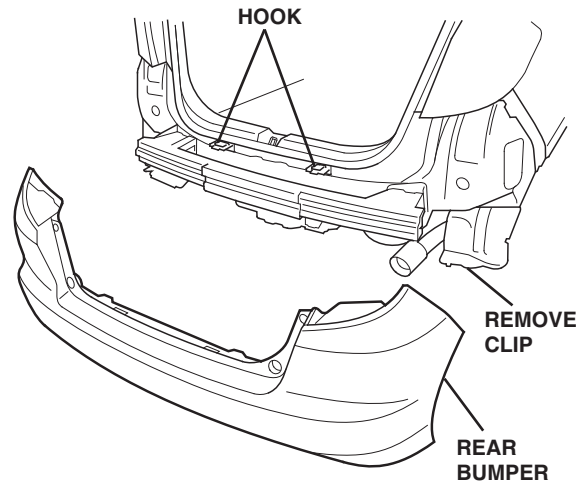
NOTE:

- Allow the exhaust pipe to cool down before installing this accessory.
- Be careful not to damage the rear bumper and the paint finish.
- This rear under spoiler kit should be installed only if the ambient temperature is 60°F (15°) or above.
- To allow the adhesive to cure, do not wash the vehicle for 24 hours

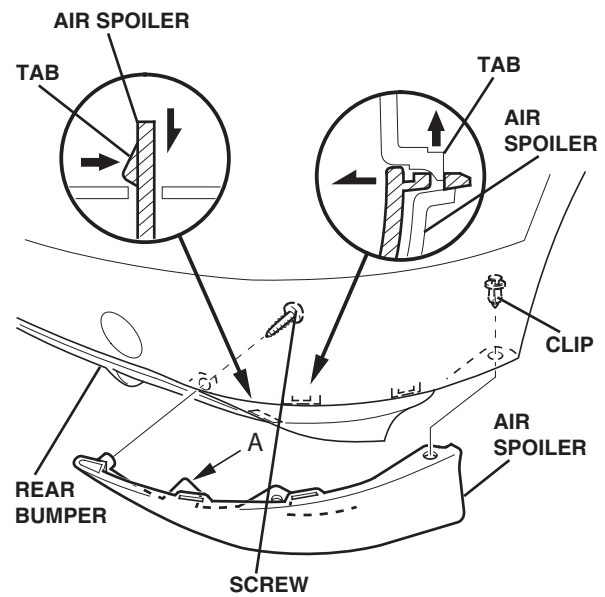
1. Remove the stock exhaust tip (one bolt). Set the exhaust tip aside; it will not be reused.
2. With the vehicle on a lift, remove the rear bumper.
 - At each rear fenderwell, remove the two self-tapping screws.
 - Under the bumper, remove two additional self-tapping screws and five clips (four long clips and one short clip).
 - At the rear hatch opening, remove the four bolts (two on each side).
 - On each side, push down on the tabs to release the bottom hooks, then pull out on each side of the bumper to release the hooks.



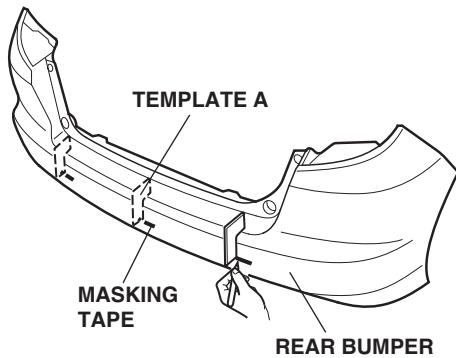
- With the help of an assistant, pull the rear bumper out to release the top two hooks.
- Set the bumper on a blanket.



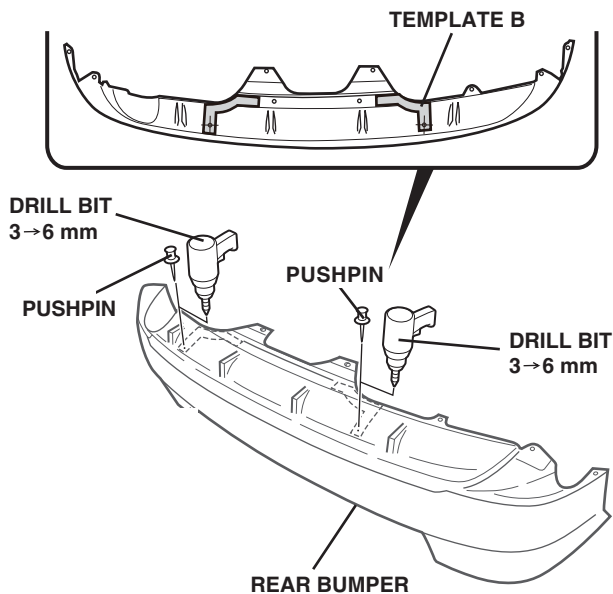
3. Remove the rear bumper air spoilers (one screw, one clip, and three tabs).



4. Place template A at three places on the rear bumper as shown, and mark the height of the rear under spoiler with a white marker on pieces of masking tape.

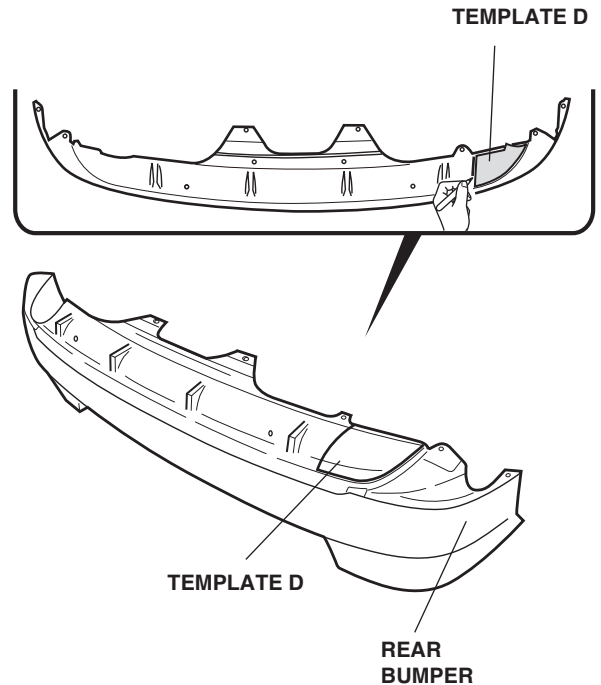


5. On the bottom of the rear bumper, place template B on the left side of the bumper. Using a pushpin, pierce the bumper as indicated on the template.

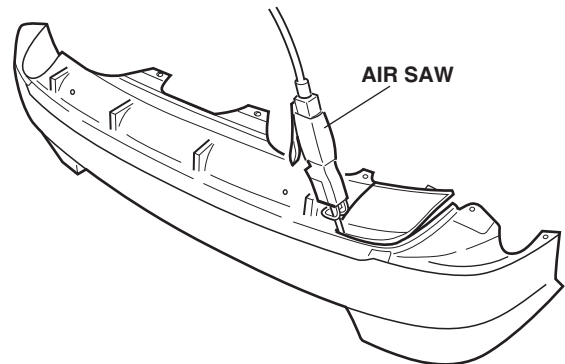


6. Turn the template over and mark the right side of the bumper the same way.
7. While wearing eye protection, drill the pierced marks on the bumper to 6 mm.
 - First drill with a 3 mm drill bit, and finish with a 6 mm drill bit.
 - Remove all burrs from each drilled hole.

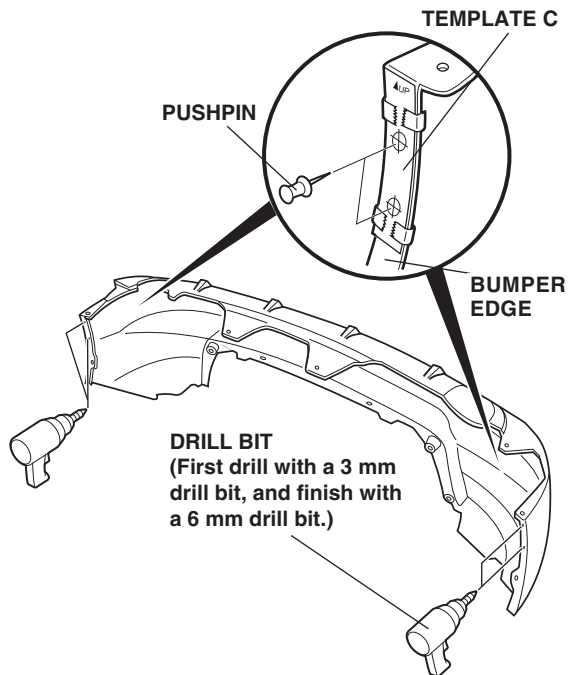
8. Place template D on the bottom left side of the rear bumper and tape it in position. Using a felt-tip pen, mark around the template. Remove the template.



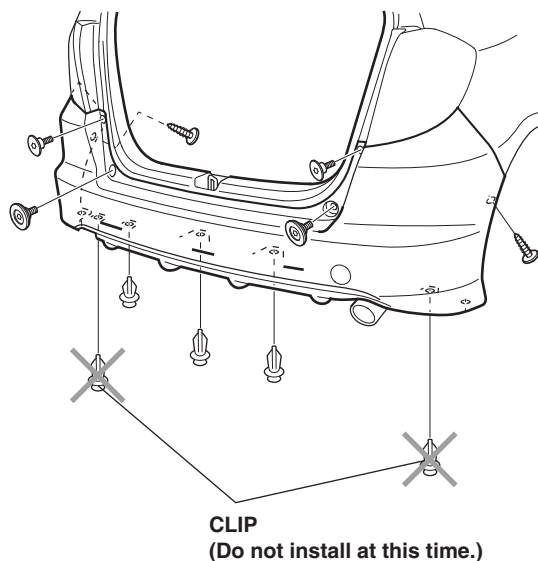
9. Using an airsaw, cut the rear bumper along the mark. Use a file to remove any burrs from the edge.



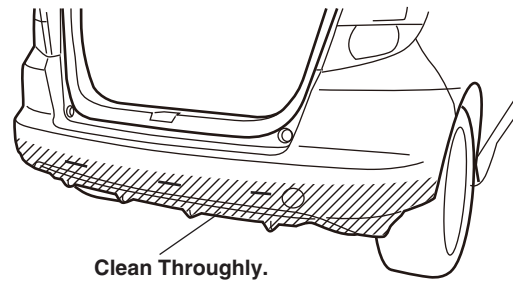
10. Place template C on the left edge of the bumper and tape it in place. Using a pushpin, pierce the bumper in two places as indicated on the template.



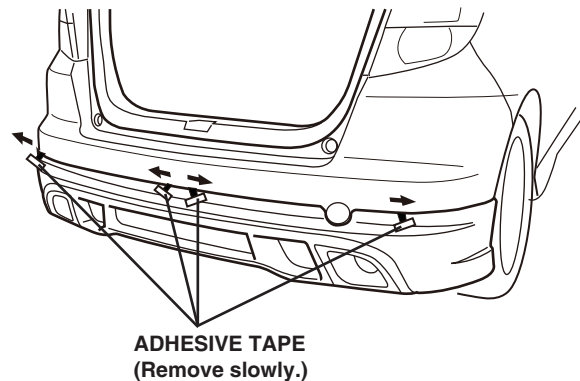
11. While wearing eye protection, drill the pierced marks on the bumper.
- First drill with a 3 mm drill bit, and finish with a 6 mm drill bit.
 - Remove all burrs from each drilled hole.
12. Turn the template over and repeat steps 10 and 11 to mark and drill the right edge of the bumper.
13. Reinstall the rear bumper, but do not install the outboard clip yet.



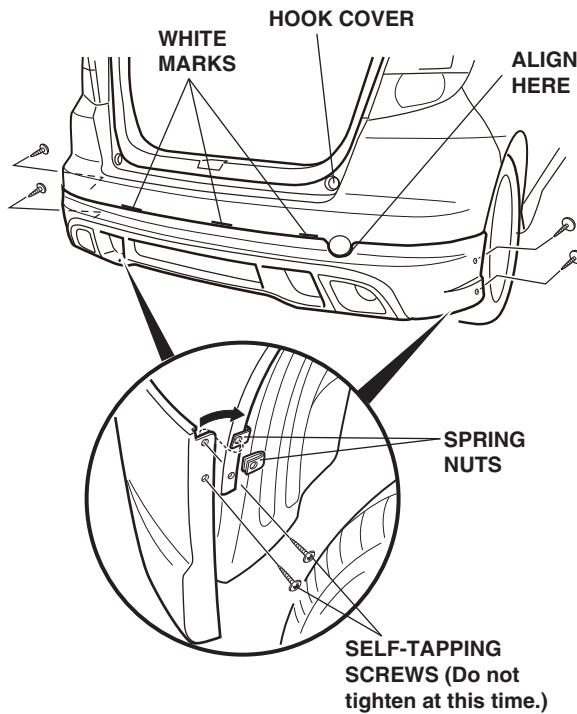
14. Using isopropyl alcohol on a shop towel, clean the rear bumper where the under spoiler will attach. Do not erase the white marks made in step 4. Allow the alcohol to dry.



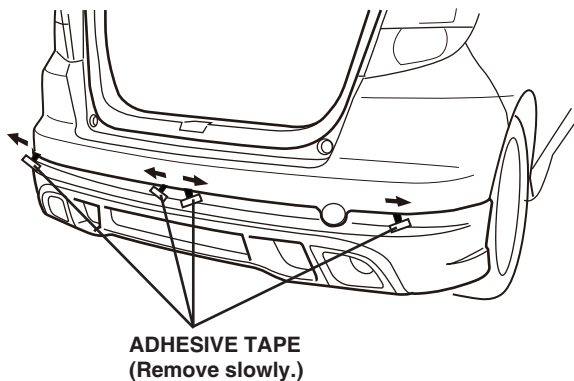
15. Attach a strip of masking tape to the end of each adhesive backing, and peel back 1½ to 2 inches of adhesive backing. Fold the ends back, and tape them to the front of the side under spoiler.



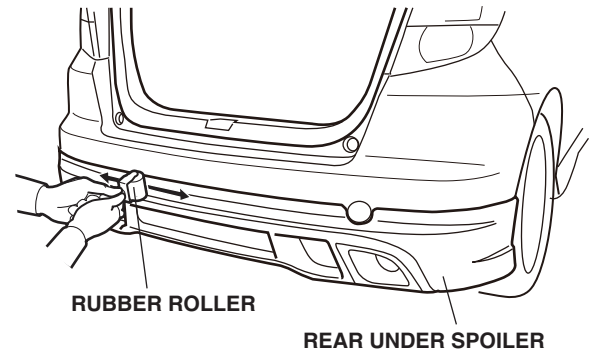
16. With the help of an assistant, place the rear under spoiler on the rear bumper. Bring the edge of the rear under spoiler up to the white marks made in step 4, and align the cutout in the under spoiler with the tow hook access cover.



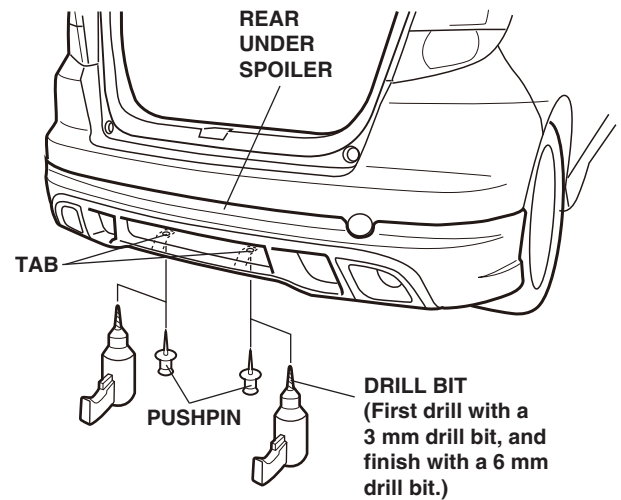
17. Install the four self-tapping screws, and the four spring nuts (two on each side). Do not tighten the self-tapping screws at this time.
18. When you are satisfied that the rear under spoiler is centered around the tow hook access cover, and is up to the white line, slowly and carefully remove the adhesive tape. Start in the center and work outward around the bumper.



19. Using the palm of your hand, hold the spoiler firmly against the bumper for 30 seconds. Using a rubber roller, apply firm pressure while rolling to set the adhesive.

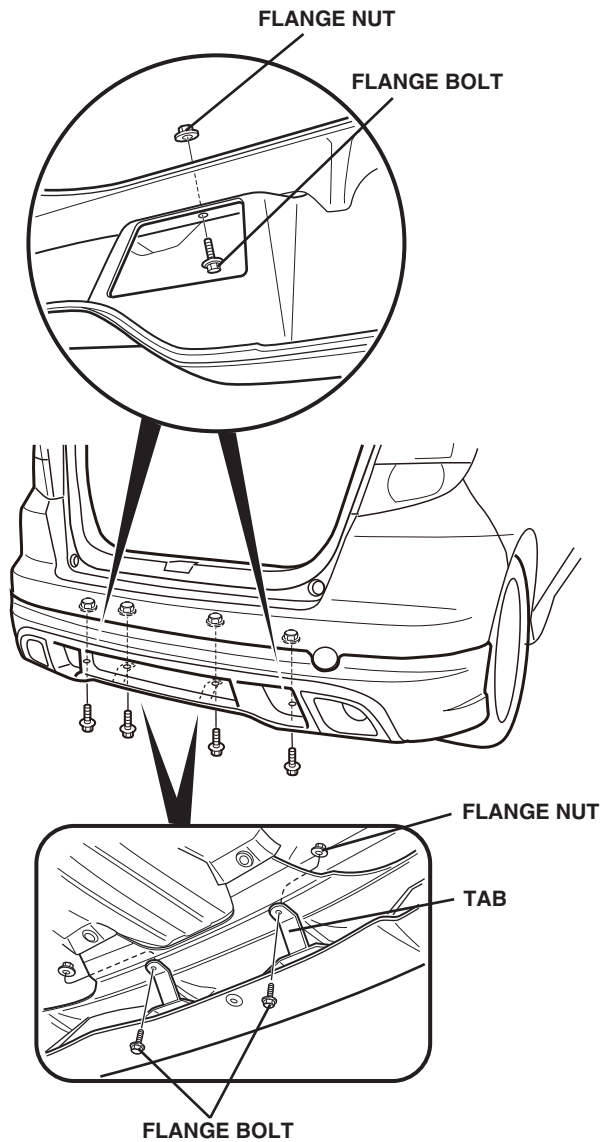


20. Tighten the self-tapping screws installed in step 17.
21. Under the rear spoiler, locate the two tabs protruding from the under spoiler. Using a pushpin, pierce the center of each hole.



22. While wearing eye protection, drill the pierced marks.
- First drill with the 3 mm drill bit, and finish with a 6 mm drill bit.
 - Remove all burrs from each drilled hole.

23. Under the bumper, install four flange bolts through the holes and install the flange nuts. Tighten the nuts and bolts securely.



24. Install the outboard bumper clips through the under spoiler brackets. Be sure to install the rubber washer between the bracket and the splash shield on the driver's side of the vehicle.

