



FS Performance Engineering

1999-2005 NB Mazda Miata Roadster Diffuser/Underbody Extension Installation Instructions

Tools Needed:

10 mm Wrench

10 mm Socket, 8 mm Socket, 19 mm (possibly 17 mm) Wrench or Socket

Ratchet Wrench

Clip/fastener remover (Need for wide version installation only)

Included in Kit:

(1) Diffuser (narrow or wide version)

(1) Underbody Extension

(1) Bracket

(4) Flat washers

(2) Fender washers (Only included with the wide version diffuser)

(10) M6-1.0 x 20 mm hex flange bolts or (8) for narrow version diffusers

(10) M6-1.0 hex flange nuts or (8) for narrow version diffusers

Steps:

1. Raise car and secure with jack stands.

Steps 2 and 3 are for wide version diffusers only. If you purchased a narrow diffuser move on to Step 4.

2. If you own a wide version diffuser, mudguards can no longer be installed on your car. Remove mudguards if installed. On our Miata, each mudguard has one 10 mm screw, one 8 mm screw, and two clips/fasteners.

3. If mudguards are not installed, remove any screws or clips/fasteners to allow slight movement of the inner fender near the rear bumper. See illustration below.



4. Install diffuser attachment bracket using (2) bolts, (2) nuts, and (4) flat washers. A flat washer will need to be placed on both the bolt and nut side. Installment points are above the tow hooks. Tighten securely.



5. Line up the 6 holes on the top of the diffuser to the 6 holes in the diffuser attachment bracket. Drop several supplied bolts into the center four holes from the top and screw on nuts, leaving the outer two open. It may be easier to start with one bolt and nut near the middle and work your way outward. Tighten securely.



Steps 6 and 7 are for wide version diffusers only. If you purchased a narrow version diffuser move onto Step 8.

6. Identify the holes at the left and right sides of the diffuser.



7. In the rear inner fender well, slide the inner fender near the rear bumper aside and place a bolt through the hole in the fender and diffuser (see illustration below). Use a fender washer and nut to secure.

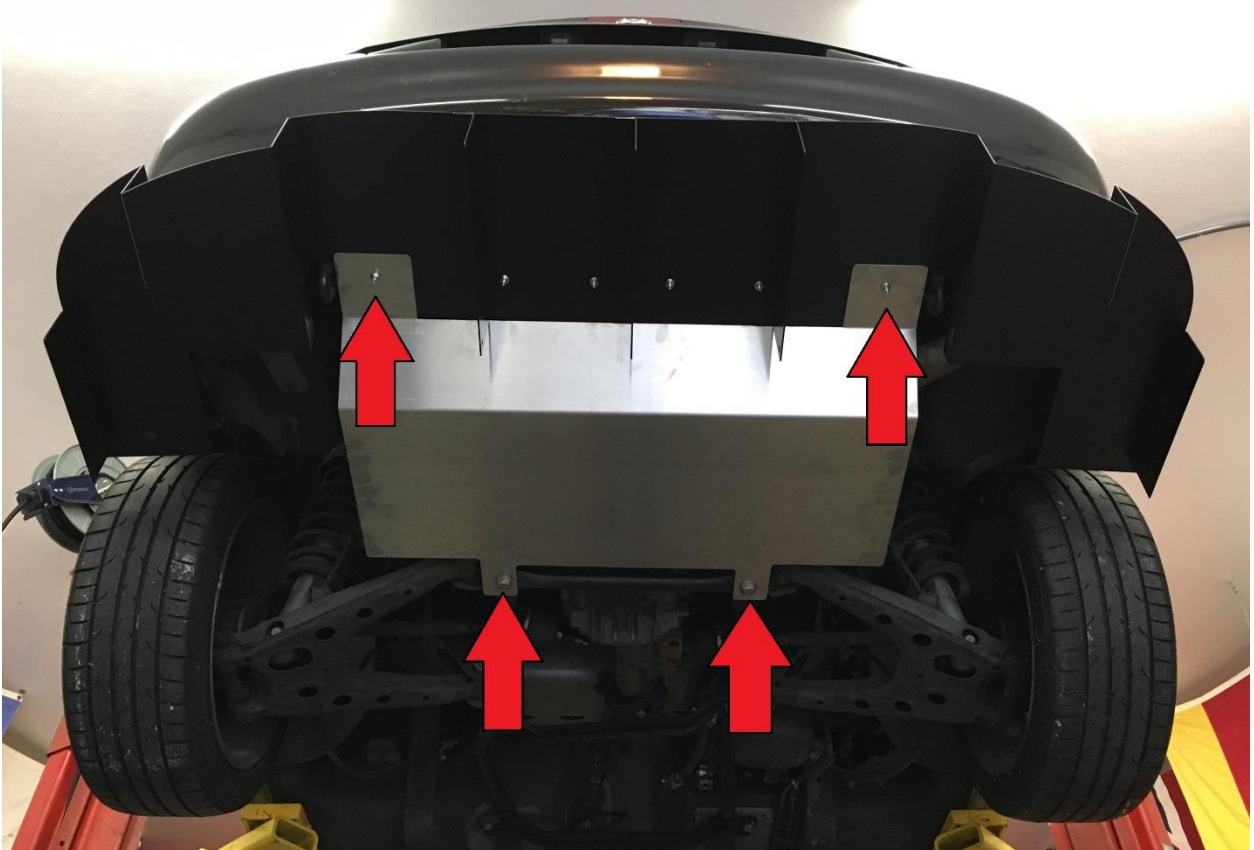


8. Remove the two 19 mm (possibly 17 mm) bolts holding the rear underbody subframe brace on. These bolts and locations will be used for the underbody extension.



9. Align the underbody extension with the two outer holes in your diffuser and the two holes in the subframe bracing. Use your remaining bolts and nuts supplied in the kit, along with the bolts from the subframe bracing to install the underbody extension. Align the underbody extension as desired and tighten all nuts and bolts.

Note: The underbody extension may be tricky to attach to the diffuser because all other bolts have been tightened.



10. If you installed a wide version diffuser, slide the inner fender over the newly installed bolts and re-attach the inner fender wells using your removed hardware.



11. Enjoy our new diffuser!



For questions email costas@fspeinc.com or jim@fspeinc.com

Or call/text us at (661) 809-0954