

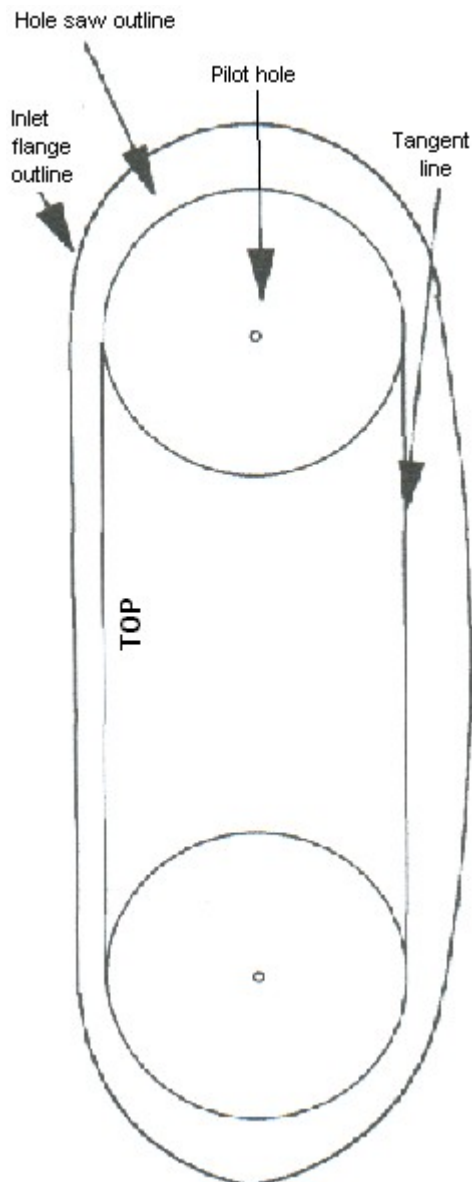


970-464-5600
(TECH & PRODUCT INQUIRIES)

800-FLY-MX5S (1-800-359-6957)
(ORDERS ONLY)

How to Provide a M2 Miata With Cowl Induction

The placement of the intake is pretty straightforward. The inlet (large end) of cowl duct will meet firewall above clutch cylinder. Outboard edge of duct inlet will be above outboard edge of clutch cylinder. Upper edge of duct inlet will be flush with underside of flange at top of firewall. Following are specific instructions to properly complete the job.



1. Remove plastic mounting clip which secures clutch fluid line to firewall above brake master cylinder.
2. Loosen rubber gasket from its first two hold-down clips near driver's side fender to expose flange at top of firewall.
3. Clutch fluid line must be bent downward to provide clearance for duct inlet. Support line at bend above clutch cylinder to prevent kinking, and push down in center of long straight run in line to make room for duct inlet.
4. Plastic mounting clip may be repositioned to existing hole in firewall further inboard, if desired.
5. Remove bolt securing existing fresh air intake to front inside of driver's side fender.
6. Remove existing fresh air intake (little bent tube on side of airbox). Cowl duct will replace this piece, bringing cold air from outside engine compartment to airbox (airbox = air filter housing)
7. Undo fasteners which secure airbox.
8. With airbox loose, slide carbon duct outlet (small end) over airbox inlet, then rotate duct down to fit inlet under flange at top of firewall. Adjust position of clutch hydraulic line and cowl inlet to get optimum fit with airbox in its normal, bolted-in position. Clutch hydraulic reservoir cap will be blocked by duct, but it removes easily when it's time to add clutch fluid.
9. Mark outline of duct inlet on firewall with a pen when optimum position has been determined.
10. Remove duct, fit template to firewall using duct outline, and drill two pilot holes
11. Using 1.5" (38mm) hole saw, drill two large holes.
12. Using air cutoff saw, cut tangent lines to form rectangular hole with rounded ends.
13. Deburr hole edges with file, touchup raw metal with paint, then fit duct in place and re-fasten airbox.
14. Duct should be held firmly against firewall by airbox, and is easily removed by loosening airbox. If you want a more secure installation, sealant (or two small sheet metal screws) can be used to secure duct to firewall.