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# Intake Kit Installation Instructions: '98-'05 Ford Explorer/Ranger / Mercury Mountaineer / Mazda Pickup V6-4.0L/3.0L/2.5L Stage-1

<b>Kit Part #</b> 51/54-10001 <b>Make:</b> Ford <b>Model:</b> Ranger <b>Year:</b> '98-'03 <b>Engine:</b> V6-3.0L <b>Model:</b> Explorer Sport <b>Year:</b> '98-'01 <b>Engine:</b> V6-4.0L <b>Model:</b> Explorer Sport Trac <b>Year:</b> '00-'05 <b>Engine:</b> V6-4.0L <b>Model:</b> Ranger <b>Year:</b> '98-'03 <b>Engine:</b> V6-4.0L  <b>Make:</b> Mercury <b>Model:</b> Mountaineer <b>Year:</b> '98-'01 <b>Engine:</b> V6-4.0L  <b>Make:</b> Mazda <b>Model:</b> Pickup <b>Year:</b> '98-'03 <b>Engine:</b> V6-3.0L	<b>Tools Required:</b> 8mm socket 10mm socket or wrench 5/16" nut driver Flathead screwdriver Ratchet and extension	<b>Part List:</b> 1 Air filter part P5R™ #24-60505 or PDS™ #21-60505 1 Billet air filter adapter 1 Air filter support bracket 5 M6 x 1 x 16 Screws 1 M6 nut 5 M6 lock washers
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**Step 1**  
 Complete kit with parts. Please confirm Parts List and read all instructions steps before proceeding with actual installation.



**Step 2**  
 Complete stock intake.



**Step 3**  
 Disconnect negative post from battery terminal. Loosen the hose clamp on the intake duct. Disconnect the MAF sensor by pushing down on the clip and pulling out.



**Step 4**  
 Depress the two mounting tabs located on the side of the airbox. Lift the top half of the airbox out and remove..



**Step 5**  
 Lift up and remove bottom half of air box.



**Step 6**  
 Remove MAF sensor from the upper portion of the airbox by removing the four 10mm screws.



**Step 7**  
 Mount the Maf sensor to the billet adapter using the four supplied M6 screws and washers.



**Step 8**  
 Mount the air filter support bracket on the inside of the radiator core support. There is existing screw that support the wiring harness and a open hole next to it. Use the factory screw and the supplied M6 screw and nut. (If your truck does not have this extra hole you will need to drill a 1/4" hole in this location)



**Step 9**  
 Position the intake assembly on to the support bracket and mount the assembly with the M6 screws.



**Step 10**  
 Reconnect the MAf sensor and tighten down the hose clamp.



**Step 11**  
 Install the pre-oiled filter in the housing and tighten down clamp. DO-NOT use any oil or grease. Install the housing trim seal on the sides of the panel.



**Step 12**  
 Make sure all hoses and clamps are tight and that all electrical components are secure. Re-check after a few hours of operation. Place the included CARB EO Sticker on or near the device on a smooth, clean surface. E.O. identification label is required in passing the Smog Check Inspection.

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe "Restore Kit" aFe P/N: 90-50001 blue oil aerosol, or aFe P/N: 90-50501 blue squeeze bottle oil on Filter Replacement: PN: 24-60505 (black w/blue media). **Pro Dry S™** P/N: 21-60505 (black w/white media) **Pro Dry S™** cleaning: see cleaning instruction sheet 06-00074.