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Intake Kit Installation Instructions: '04 -'06 Ford F-150 V8-5.4L Stage 2 Si

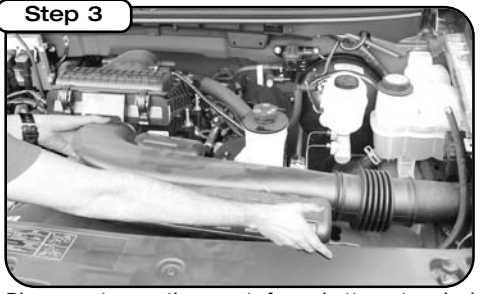
Kit Part #	54-80513 / 54-80512 51-80513 Pro Dry S™ 51-80512 Pro Dry S™	Tools Required:	Part List:	5- M6 wavy washers	1- Adapter, injection molded
Make:	Ford	5/16" nut driver	1- Air filter P/N (24-90032 or Pro Dry S™ 21-90032)	3- Clamps #064	1- Cover, housing
Model	Year	Engine	1- Air filter housing	1- Clamps #056	1- Nut, M6
F-150	'04 -'06	V8 - 5.4L	1- Intake tube rotomolded	2- Nylon spacers 1/8"	
Mark LT (Lincoln)	2006	V8 - 5.4L	1- Intake tube support bracket	1- Coupler, straight(4" x 3")	
			1- MAF sensor gasket	1- Coupler, elbow (3.5" x 4.0")	
			11- M6 x 1 x 10 button head screws	17"- Hose, vent 5/16"	
			2- M6 x 1 x 12 hex head screws	15"- Trim seal bulb	
			9- M6 flat washers	1- M6 x 1 x 25 hex head screws	
			2- 8-32 x 5/8" screws	1- M6 x 1 x 30 hex head screws	



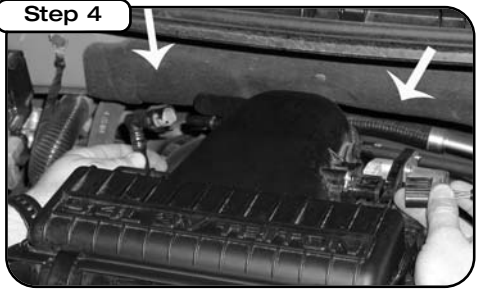
Step 1
 Complete kit with parts. 54-80512C shown. 5X-80512M (matte black) also available!



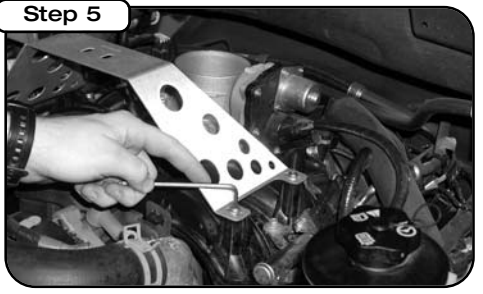
Step 2
 Complete stock intake.



Step 3
 Disconnect negative post from battery terminal. Remove intake air duct by grabbing firmly from both sides and pulling straight back and out.



Step 4
 Disconnect the MAF sensor and breather tube on the sides of the air box. Remove the (4) 10mm screws holding the air box to the intake manifold and remove intake box.



Step 5
 Install the intake tube support bracket to the intake manifold and fasten with the supplied M6 x 1 x 10 button head screws and washers.



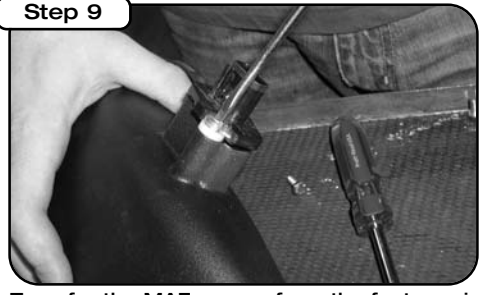
Step 6
 Push clip holding factory wire harness and push to the side, this allows more room for housing. Remove bolt holding in radiator support and set aside for later use. Install trim seal to new housing fender scoop.



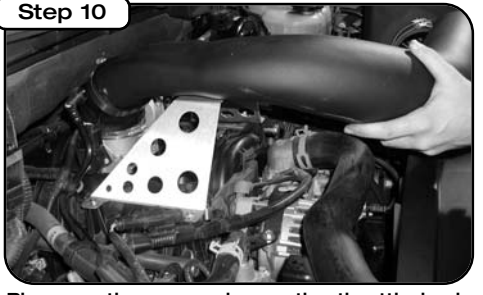
Step 7
 Install housing into vehicle. With hardware provided, install M6 x 1 x 30 screw and washer into radiator support. Install to bottom of housing, M6 x 1 x 25 screw with washers and M6 nut. With screw from step 6 install into hole with threaded insert, also in bottom of housing.



Step 8
 With button head screws and wavy washers install filter injection molded adapter. Tighten using 5/32" allen key.



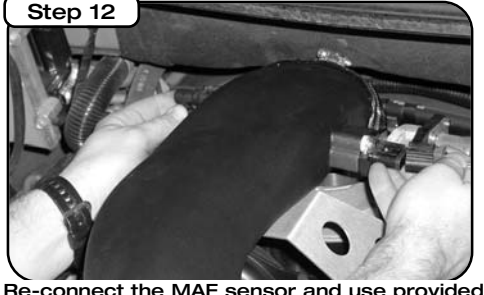
Step 9
 Transfer the MAF sensor from the factory air box to the new intake tube. Make sure you use the provided spacers and gasket between sensor and tube.



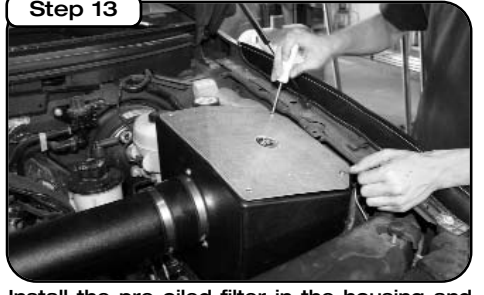
Step 10
 Place urethane coupler on the throttle body (see diagram below for correct coupler position) and the housing. Position intake duct into engine bay and tighten down the clamps.



Step 11
 Line up the mounting holes on the intake duct and tighten assembly with the provided screws and washers.



Step 12
 Re-connect the MAF sensor and use provided 5/16" breather hose to connect the intake duct to the crankcase breather on the engine valve cover.



Step 13
 Install the pre-oiled filter in the housing and tighten down clamp. With button head screws, install housing cover and tighten using 5/32" allen key.



Step 14
 Your installation is now complete. Check after a few hours of operation all hoses and clamps are tight and that all electrical components are secure. Thank you for choosing aFe!



THROTTLE BODY
 Position coupler and clamps over throttle body (3.5" x 4.0") (clamps removed for clarification). The smaller (3.5") end of the coupler goes over the throttle body. The (4") end of the coupler goes around the intake tube.

Note: Filter Cleaning and Re-oiling: When cleaning your aFe filter, be sure to use only aFe's "Restore Kit" (aFe P/N: 90-50001 blue oil aerosol, or aFe P/N: 90-50501 blue squeeze bottle oil)Air filter P/N: 24-90032 or Pro Dry S™ P/N: 21-90032 (black w/white media) Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074