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Intake Kit Installation Instructions: Grand Cherokee 99-05 V8-4.7L Stage-2 Air Intake

Kit Part #	51/54-10162	Tools Required	Part List:	1	Screw, Hex head, M8	
Make:	Jeep®	5/16" socket or wrench	1	Filter Part # 24-90023 (Replacement filter) or	2	Washer, Flat, M6
Model	Year	Engine	Pro Dry S™ # 21-90023	2	Washer, Flat, M8	
Grand Cherokee (WJ)	'99-'04	V8-4.7L	1	Filter housing	1	Washer, Lock, M6
			1	Intake tube	1	Washer, Lock, M8
			1	Coupler, Straight, 3.5" D. x 2" L	1	Nut, Hex, M6
			2	Clamps, Connector #060	1	Nut, Hex, M8
			1	Vent, Hose 5/8" x 6.5" L	1	Trim Seal, 29.25"
			1	Screw, hex head, M6	1	Trim Seal, Tube Opening, 13.75"



Complete kit with parts.



Complete stock intake.



Loosen clamp at air resonator box and remove top half of filter box.



Unbolt resonator at manifold (Two bolts, opposite sides).



Remove vent hose at tubing coupler.



Loosen clamp at throttle body and remove resonator box.



Loosen clamp at throttle body and remove resonator box from throttle body.



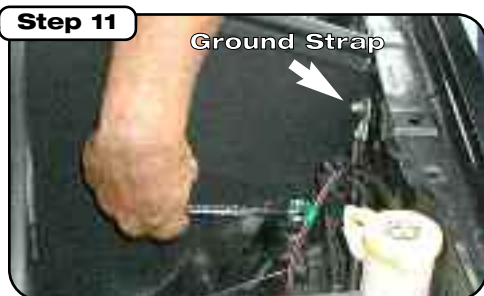
Remove four bolts from lower half of air box.
Note: There's a bolt hidden underneath airbox inlet tube. You must use an open end wrench or adjustable wrench to remove.



Remove ground strap at inner driver-side fender-well. (Keep bolt for installing filter housing.)



Before installing housing, apply large trim seal to top of housing and small trim seal to tube inlet. Install filter housing using supplied hardware on lower mounts.



Use ground strap hardware for inner fender for mounting.



Thread filter end of housing through opening in filter housing first, then slip coupler over throttle body. Tighten clamps at throttle body.



Connect supplied vent hose to nipple at intake tube and at breather vent tube.
Note: no clamps are required.



Install filter to intake tube and tighten clamp.



Place enclosed CARB EO sticker on a clean/smooth surface on or near the intake system. EO identification label is required in passing Smog Check inspection. Make sure all hoses and clamps are tight and that all electrical components (if applicable) are secure. Check and retighten connections and filter after a few hours of operation.