



advanced FLOW engineering™
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 Support: 951-493-7100
 aFepower.com

Intake Kit Installation Instructions: BMW E65/66 745i/Li 02-05 V8-4.4L Stage 2

Kit P/N: 51/54-11732	Tools Required: 5/16" nut driver 1/4" nut driver Flat head screwdriver Phillips screwdriver 10mm socket or wrench Ratchet w/extension T30 Torx bit 4mm allen key	Parts List: 1 Air filter (Pro-5R™ 24-91021 or Pro Dry S™ 21-90044) 1 Housing 1 Cover, aluminum 1 Tube, intake 1 Coupler, Reducer (05-00020) 1 Coupler, Straight (05-00307) 1 Coupler, Elbow (05-01020) 1 Clamp, #072 2 Clamp, #056	3 Clamp, #060 1 Screw, M6 x1 x 12 1 Washer, flat M6 1 5/32" hose @ 10"L 1 Grommet 2 Fitting, straight 3/16" 1 Adaptor, filter 6 Screws, button head M6 1 Air filter Pro Dry S™ 18-01004 1 Restore kit
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Complete Stock Intake.



Remove engine cover using 4mm allen key.



Disconnect MAF sensor harness and smog pump.



Loosen all clamps at Throttle Body and MAF sensor with 8mm nut driver. Disconnect vacuum line from tube.



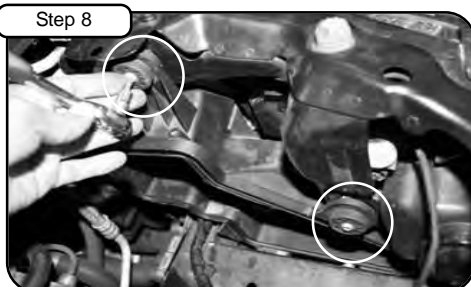
Un-clip air box and remove upper half of intake assembly.



Loosen the 2 screws holding in bottom part of air box using phillips screwdriver. Note: Bottom part of air box consists of two separate pieces.



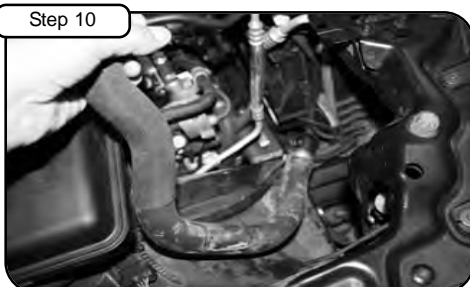
Pull back and lift air box bottom (piece 1 of 2) and remove.



With T30 Torx bit, loosen the 2 bolts on radiator support holding in air box bottom (piece 2 of 2).



Carefully pull and remove air box bottom (piece 2 of 2).



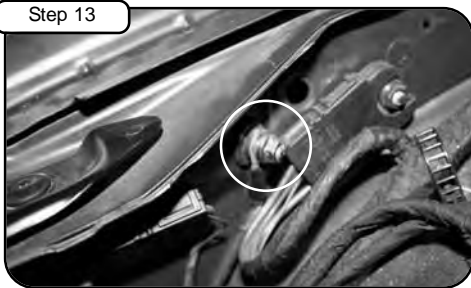
Disconnect and remove smog pump line out of vehicle.



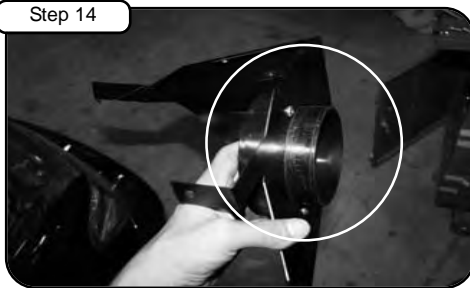
With pliers, cut existing clamp and remove plastic elbow fitting.



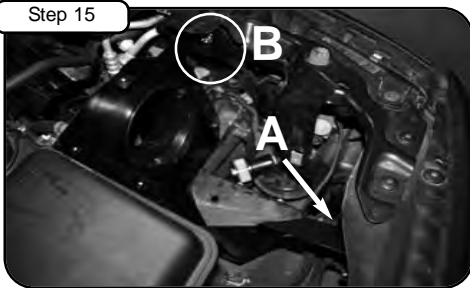
With 18-01004 filter, attach to plastic fitting and tighten using 8mm nut driver. Install to smog pump.



Loosen the nut on passenger side fender behind headlight and save. Note: This will be used to secure housing.



Attach adaptor to housing using provided M6 button head fitting. Tighten using 4mm allen key.



Install housing into vehicle and position. A) Attach tab to screw on fender well from step 13 and tighten. B) With provided M6 screw and washer, secure other tab to radiator support from step 6 and tighten.

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 06-80333 Pg.1
 Last update: 09-2009



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Accessories Available:



Restore Kits

90-50001 Blue Aerosol
 90-50501 Blue Squeeze
 90-59999 Pro Dry S™ Cleaner

Replacement Air Filter:



Pro-5R™ 24-91021
 Blue Media



Pro Dry S™ 21-90044
 White Media

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, aFe P/N: 90-50501 blue squeeze bottle oil, aFe P/N: 90-59999 Pro Dry S™ cleaner only.) Pro Dry S™ cleaning: see cleaning instruction sheet 06-00074. For replacement part(s) or "Restore Kit" please call aFe sales/tech support @ 951-493-7100

Step 16



Remove MAF sensor from air box using T30 torx bit.

Step 17



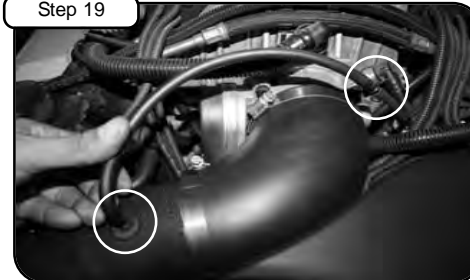
With 05-00020 coupler and clamps, secure to adaptor. Attach MAF sensor to coupler. Do not tighten. *Make sure ARROW on sensor is in direction towards Throttle Body.*

Step 18



Attach couplers with clamps to tube. Install grommet to tube and attach fitting to grommet.

Step 19



Install intake assembly and position to MAF sensor and Throttle Body. With hose provided, attach to fitting on tube and connect to stock hose using the other fitting.

Step 20



Install air filter and tighten all clamps using 5/16" nut driver.

Step 21



Secure cover to housing using provided M6 button head screws. Tighten using 4mm allen key.

Step 22



Re-install engine cover. Re-connect battery terminals.

Step 23



Your installation is now complete. Make sure you tighten all clamps and check all electrical connections periodically. Thank you for choosing aFe!