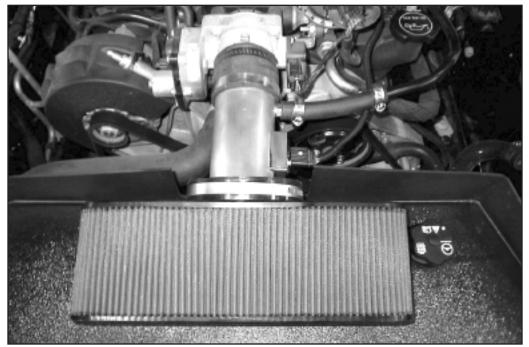
WMS High Velocity Intake - 2005+ Mustang V6 Installation Instructions

Installation should be performed by a licensed mechanic familiar with fuel injected engines

Be sure engine is cold before performing any work.

Disconnect negative battery terminal before performing any work.



The finished install showing front mounted filter and mass air meter, ram air box as well as the relocated coolant overflow tank.

- 1.Remove stock intake hose and airbox as one unit.
 - unclip PCV inlet hose at throttle body
 - uplug wiring harness to the mass air electronics at the airbox
 - loosen hoseclamp where plastic air inlet attaches to the throttle body.
 - unbolt airbox mounting grommet on the drivers inner fender

The intake hose and airbox will now come out of the car as one.

- 2. Be sure engine is cold and cooling system is not pressurized.
 - drain coolant as described in the factory manual.
 - using a hose to drain into a pan will confirm the correct amount is being re-filled
- 3. Remove coolant tank from stock location.
 - remove small overflow hose at top of the overflow bottle
 - unbolt overflow bottle from mounting location on fan shroud
 - cut large tank hose as shown at 'T', the new hose will attach when overflow bottle is re-installed.

The overflow bottle and large hose can now be removed as one.



- 4. Install the coolant tank in its new location on drivers side.
 - remove the stock overflow bottle clip-nuts from the fan shroud.
 - use a small screwdriver to push the retaining clip up and slide the clip-nut out.
 - transfer these clip-nuts to the WMS aluminum mounting bracket, they slide into the cut slots
 - mount the overflow bottle to the aluminum bracket using the stock bolts
 - push the WMS urethane bushing into the existing hole on lower inner fender
 - set the overflow bottle into the bushing and bolt aluminum bracket to car with stock bolt.
- 5. Extend small overflow hose.
 - loosen clamp where hose is attached to radiator and remove hose
 - cut hose in two as shown
 - use WMS supplied nipple, hose and clamps to extend
 - install to radiator neck with stock clamp, route along front and side of fender, secure with tie wraps
 - cut hose to length and attach to overflow bottle.



- 6. Install the large WMS hose from thermostat to overflow bottle.
 - the small end of the hose attaches to the cut factory hose at 'T' using supplied clamps and 3/4" to 1" adapter.
 - the large end of the nose attaches to the overflow bottle using the supplied clamp
 - be sure hose routes without any kinks or hitting any sharp objects and tie wrap in place
- 7. Refill cooling system as described in the factory manual.
 - coolant must be filled through the overflow tank, it may be necessary to run the engine after the intake is installed to bled air from the system.
- 8. Move stock maf sensor electronics to WMS billet meter housing.
 - remove two retaining screws using supplied Tork T-20 bit
 - carefully remove sensor from stock housing and slide into WMS billet meter housing
 - be sure the sensor is oriented correctly the WMS logo on the meter housing should face up and towards you, the sensor will side into the right side of the meter housing. The flow arrow on the sensor will point towards the engine. Attatch with supplied screws.
 - screw brass fitting into side of WMS billet meter housing, do not overtighen!



- Clamp filter to front of WMS meter housing using supplied clamp, do not push on too far.
- Clamp coupler to back of WMS meter housing using supplied clamp, short side goes down and towards the throttle body.
- Position clamp screws on underside for a cleaner apperance.
- Clamp intake assembly to throttle body using supplied clamp.
- The air filter should point down slightly to clear the hood when installed correctly.







10. Attach new PCV hose

- cut connector end off stock hard plastic PCV hose
- use supplied rubber hose to connect fitting on side of mass air meter to stock hard plastic hose
- secure using 2 supplied hose clamps.

11. Re-route mass air wires

- open the stock wire loom where mass air wires are over the drivers side valvecover as shown.
- pull out two wires that run to the valvecover so mass air wires reach the new WMS mass air meter.
- cover exposed wires with supplied loom.



12. Start car and warm up to operating temperature

- check for leaks in cooling system and top up fluid if needed.
- check for airleaks in intake system at couplers

If limp mode light comes on.

- double check the maf sensor flow arrow points into the engine
- double check extension of mass air harness.

FOR OFF HIGHWAY OR RACING USE



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