



Alpha Performance Air/Oil Separator Installation Instructions



The goal of Alpha Performance is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs Alpha Performance will never compromise the quality or performance of our products. In addition, Alpha Performance will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. Alpha Performance was built on a foundation of integrity. This is who we are; this is what you can count on.

A vehicle modified by the use of performance parts may not meet the legal requirements for use on public roads. Federal and state laws prohibit the removal, modification, or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on public streets or highways. Use or installation of performance parts may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty, and/or new OEM part warranty. Performance parts are sold as-is without any warranty of any type. There is no warranty stated or implied due to the stresses placed on your vehicle by performance parts and our inability to monitor their use, tuning, or modification.

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These instructions are provided as a guide only as there are many variables that cannot be accounted for concerning your particular vehicle, including but not limited to model year differences, model differences, the presence of non-OEM parts, and modifications that may already be or were previously installed. A basic knowledge of automotive parts and systems is helpful but a better understanding of the parts and systems on your particular vehicle may be required.

If you have any questions or issues at any time during the installation of your Alpha Performance product(s) please call us for technical assistance. The Alpha Performance tech line can be reached during business hours at 847-709-0530 for Alpha Performance products only.

1. Release tension on serpentine belt by rotating tensioner with a 3/8" ratchet. Lock the tensioner in place with a M6 bolt as shown.



2. Use a 14mm socket/ratchet combo to remove 2 serpentine idler pulleys on engine.



3. Unbolt top of the factory dipstick tube by removing the bolt with a 10mm socket/wrench. Also, un-clip the cam solenoid wiring harness from the dipstick tube. Pull dipstick tube upward and wiggle to remove from engine. Set aside.



- Slide new Alpha dipstick tube into place on engine. This step will go smoother if a dab of grease is used on the o-ring. Re-attach cam solenoid wiring at this time.



5. Remove 2 timing cover bolts as shown. Set aside. Attach Alpha air/oil separator bracket using 3 M6 stainless cap screws as shown. NOTE: one of the mount holes is shared with the dipstick tube.





6. Re-install serpentine belt idler pulleys. And re-tension belt by removing lock bolt from tensioner. Be sure to check belt routing and position on the pulleys.

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7. Install 6AN drain hose onto dipstick tube (straight hose end). Route upwards as shown.



8. Set Alpha air/oil separator in place and attach drain hose (45deg fitting side) to bottom check-valve fitting. Leave loose.



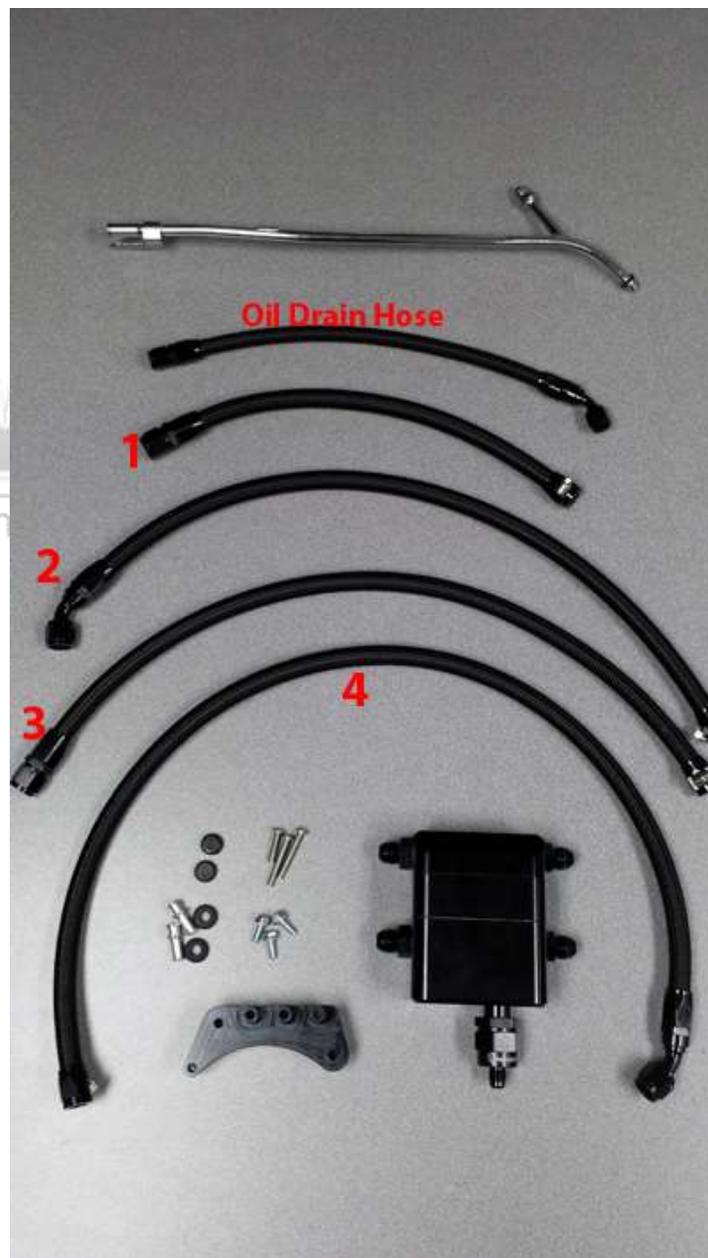
9. Maneuver separator into place on previously installed Alpha bracket. Attach separator to bracket using supplied M6 bolts(3), leave loose.



10. Check placement of -6 drain hose. Make sure it is free of any dangers/kinks. Final tighten fittings.

11. Install 8AN hoses onto separator and route to their proper locations. These lines are manufactured to be long to accommodate different intake combinations. They can be cut if needed. NOTE: Included are extra bungs/grommets and plugs. These aren't necessary on every installation but can be used if a new location needs to be drilled in an Intake pipe. Use diagram below for reference to hose locations.

- Hose #1 Bottom port drivers side of separator to drivers side valve cover
- Hose #2 Bottom port passenger side of separator to passenger valve cover
- Hose #3 Top port passenger side of separator to passenger side intake tube
- Hose #4 Top port drivers side of separator to driver's side intake tube



12. Check all hoses for proper and safe routing. Final tighten all clamps and fittings as well as the M6 mounting bolts from catch can to bracket.



13. Enjoy the benefits of your new Air/Oil separator.