



M-6766-A50DSC
2024 Mustang 5.0L w/supercharger
Oil Separator Kit

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PRIOR TO INSTALLATION READ THESE INSTRUCTION COMPETELY
For questions, Call the FORD PERFORMANCE Techline 1-800-367-3788

Please visit <https://www.performanceparts.ford.com> for warranty information

Kit contents:

- [1] CM-6766-A50A RH oil separator
- [1] CM-6766-M50D LH oil separator
- [1] CM-6K817-M50RI RH inlet PCV hose
- [1] CM-6K817-M50SCRO RH outlet PCV hose
- [1] CM-6K817-M50SCLO LH outlet PCV hose
- [1] CM-6K817-M50SCLI LH inlet PCV hose
- [1] CM-BRKT-M50L RH bracket
- [1] CM-BRKT-M50SCL LH bracket
- [1] W717798-S437 M6 bolt
- [2] W520201-S440 M6 nut
- [2] W701571-S450 studbolt

Note: This kit is to be installed with respect to a supercharger unit. Parts differ from the kit for units without a supercharger.

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Step 1: Starting with the passenger side, remove the (2) bolts fastening the ground straps and replace with the (2) stud bolts provided in the kit, torquing to 12 Nm or 106 in-lbs.



Step 2: Install the right-side bracket (**CM-BRKT-M50L**) over the stud bolts and fasten with the lock nuts provided in the kit. Torque to 10 Nm or 88 in-lbs.



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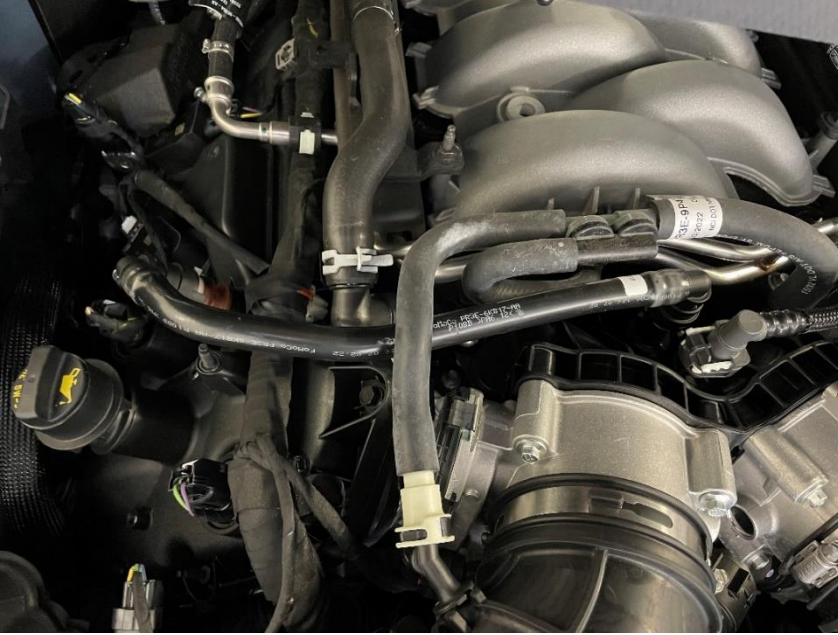


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Step 3: Remove the passenger side PCV tube by gently pulling back the grey tab and pulling the connector from the spigot.



Step 4: Install the RH oil separator (**CM-6766-A50A**) and the PCV tubes (**CM-6K817-M50RI** and **CM-6K817-M50SCRO**) per the illustration below. Lightly lubricate the inner O-rings of the PCV tube connectors with engine oil.

NOTE: Cam cover to lower spigot on the oil separator is the inlet.



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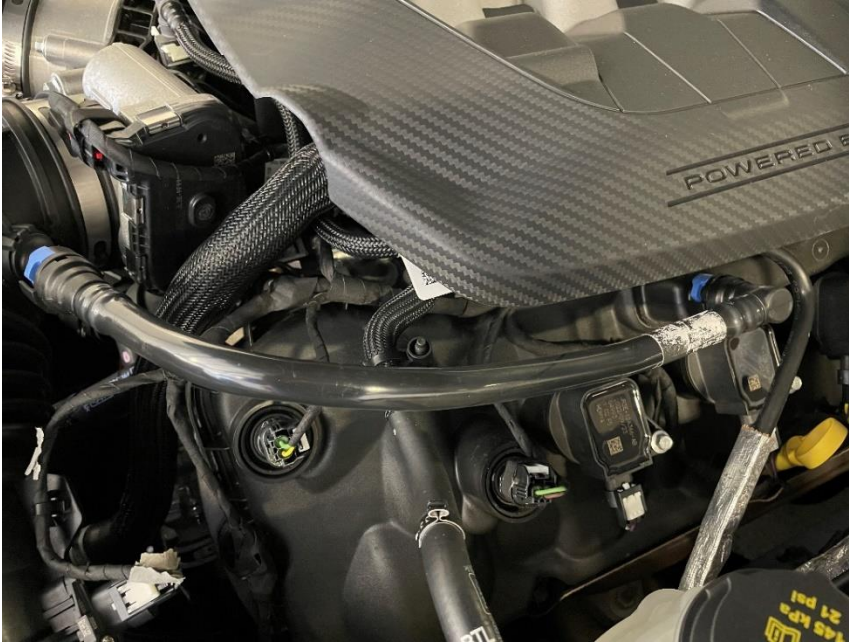


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Step 5: Remove the driver's side PCV tube.



Step 6: Locate the bolt holes on the driver's side strut tower, the second hole down is threaded.



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Step 7: Insert RH bracket (CM-BRKT-M50SCL) with the bolt and washer (W717798-S437 M6) already through the bracket's hole. Place the bracket and bolt in the second hole down. Tighten to 10 Nm or 88 in-lbs.



Step 8: Slide LH oil separator (CM-6766-M50D) onto bracket.



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Step 9: Connect PCV inlet tube (CM-6K817-M50SCLI) to the rear port of the oil separator, with the tube routing over the fuel and vapor lines. The PCV tube must connect to the oil separator first.



Step 10: Connect the PCV outlet tube (CM-6K817-M50SCLO) to the front port on the oil separator and supercharger as shown below.



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