

Changing Air Filters on Dual Intake V6 Mercedes Benz

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- This procedure is completed on a 2006 Mercedes C230 (2.5L V6)
- Same Procedure applies for these models:
 - W203 (2001-2007 C-class) V6 petrol models (C230, C240, C320, C350)
 - W204 (2008+ C-class) V6 petrol models (C300, C350)
 - W208, W209 (1998+ CLK V6's)
 - W211, W212 (2001+ E-class V6's)
 - R170, R171 (2001+ SLK V6's)
 - W163, W164 (1998+ M-class V6's)

Time Required: 30 – 90 min

Tool Required:

- Screw Driver with a T25 star head.
- Rag for cleaning your hands

Step 1: Remove Front Engine Cover (grab both sides and pull straight up; see red arrows)

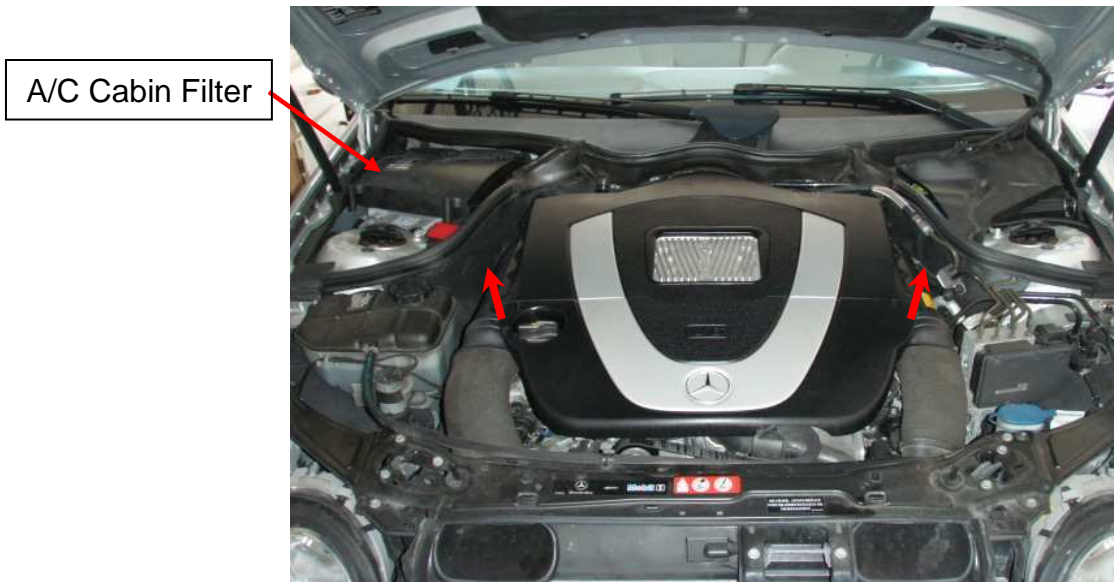


Figure 1 – Removing front engine cover

Step 2: Remove Intake air box by disconnecting crankcase vent tube and both intake ducts (removing intake ducts may take some effort and twisting). Once the ducts and tubes are disconnected, pull up on the entire intake air box. *Optional: If needed remove cabin A/C cabin filter (Figure 1)*



Figure 2 – Removing the intake air box

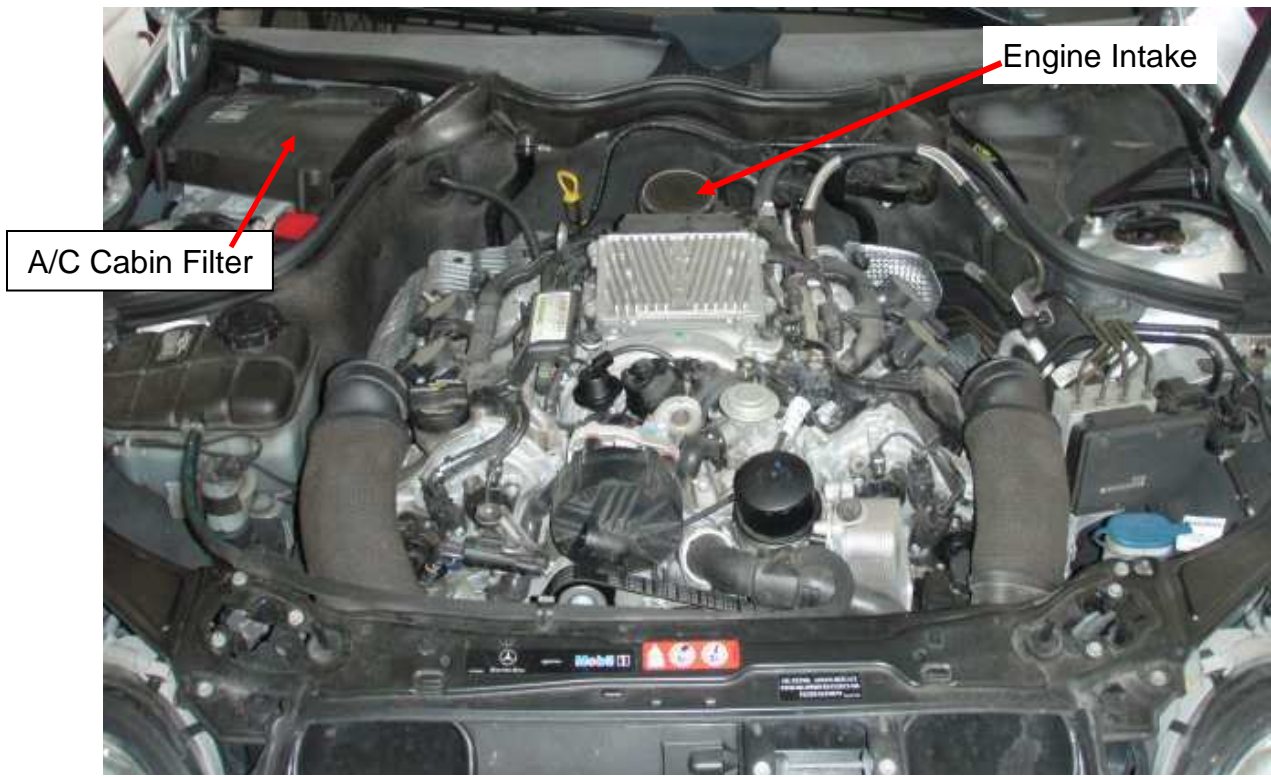


Figure 3 – Engine Bay with front cover and intake air box removed.



Figure 4 – Intake air box removed from engine bay

Step 3: Turn Intake Air Box over and remove the 8 (T25 star head) screws (red arrows in Figure 5) from the intake air filter chambers. Once intake air filters are removed, clean chambers and air box of debris.



Figure 5 – Bottom side of Intake Air Box.



Figure 6 – Air filter chambers removed from intake air box (look how dirty the filters are).



Figure 7 – Air filter removed from the air filter chambers and intake air box.

Step 4: Replace intake filter with two new intake air filters; or clean and replace intake filters if they are reusable (K&N).

Optional: Replace A/C cabin air filter (See Figure 9).

** I recommend K&N intake air filters over Mercedes-Benz filters because they are reusable to a million miles. The Mercedes Benz filters cost \$25-30 USD each and have to be replaced every A & B services; while the K&N's cost \$35-45 USD and they will last the life of the car. You will need the recharger kit (retail \$45, eBay \$20) in order to clean the dirty filters. With K&N filter the engine will breath better and you will get better gas mileage.



Figure 8 – K&N air filter cartridge (left) and recharger kit (right) with cleaner and filter oil



Figure 9 – Exploded view of Front Cover, Intake air box and Cabin filter.

Step 5: Re-assemble the intake air filter chamber to intake air box and tight the 8 star head screws (red arrows in Figure 10)



Figure 10 – Bottom side of Intake air box.

Step 6: Re-install intake air box on top of engine. Make sure intake air box horn (Figure 10) properly seats on engine intake (Figure 11). *Optional: Re-install A/C Cabin Filter Camber (Figure 11)*



Figure 11 – Engine Bay with front cover and intake air box removed.

Step 7: Re-attach both intake ducts and crankcase vent tube as shown in Figure 12.



Figure 12 – Installing tube and ducts.

Step 8: Re-install front cover by pushing down (red arrows in Figure 13)



Figure 13 – Re-attach front engine cover

The End