2006-2013 Mercedes-Benz R-Class - Engine Air Filter

2006-2013 Mercedes-Benz R-Class | Easy | 20-45 minutes | $35 DIY

TOOLS

Flat screwdriver or trim tool as fitted Metric/SAE socket set and ratchet Clean shop towels and a flashlight Gloves and safety glasses 13mm socket T25 Torx Bit E9 External Torx Socket

PARTS

Engine air filters (pair) for 2006-2013 Mercedes-Benz R-Class; verify engine, housing shape, and VIN fitment $35.00

STEPS

1. **Confirm filter fitment and engine state - The 3.5L M272 V6 uses TWO engine air filters -** one per side; both get changed (filter set A2730940404). Engine off, bay cool. Gather 13mm, E9, and T25 sockets plus a flat screwdriver, and compare both new filters to the old ones before s...
2. **Open the air box - Remove the moulding (four 13mm bolts, rubber sealing strip, E9 Torx** bolt) and lift it away. Pop the engine cover off its mounts to expose left and right air filter housings joined by the air manifold - don't yank; the plastic mounts are...
3. **Remove the manifold and lift the filter body away - Remove the oil filler cap and collar.** Loosen the manifold's clamp and each housing clamp, then release each MAF plug - handle gently, never the wiring. Lift the manifold assembly out. Undo the left housing's two bolts and lift the filter...
4. **Install the new filter - Split the filter body (four T25 screws). Note the old filter's** orientation; wipe the housing clean. Fit the new A2730940404 filter the same way, seal flat - don't force a fit. Rejoin the body with the T25 screws by hand; they snap in pla...
5. **Close and verify the intake - Repeat on the right housing, then refit the air manifold** with all clamps tight. Click both MAF plugs home; refit the filler cap, cover, and moulding. Start up and listen for a whistling intake leak at idle - both banks idling smoothly, n...

TORQUE

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