2010-2024 Mercedes-Benz Sprinter - Cabin Air Filter

2010-2024 Mercedes-Benz Sprinter | Easy | 20-30 minutes | $28 DIY

TOOLS

Flashlight (both locations are shaded - the cowl by the hood, the footwell by the dash) Correct driver for the VS30 fuse box mounting bolts (check the bolt heads on your van before starting) Dry cloth and a small brush for clearing the housing

PARTS

Cabin air filter for 2010-2024 Mercedes-Benz Sprinter; verify arrows, size, and VIN/trim fitment $28.00

STEPS

1. **Identify your Sprinter's generation before touching anything - 2010-2024 Sprinters span** two generations with the cabin filter in different spots: 2010-2018 NCV3 (W906) - engine compartment at the windshield base; 2019+ VS30 (W907/910) - passenger footwell behind the fuse box. Check your build...
2. **NCV3 (2010-2018): open the hood and find the cowl housing - NCV3 (2010-2018): the filter** housing sits at the windshield base in the cowl. Release the cover's locks or clips and lift it off. Photograph the filter's orientation and airflow marking before pulling it - the factory charcoal element...
3. **VS30 (2019-2024): open the passenger footwell and free the fuse box - VS30 (2019+): the** filter sits behind the fuse box at the passenger footwell - remove mounting bolts and shift the box aside to expose it. Don't disconnect wiring; it moves on its harness slack. Support the box - never let it hang by it...
4. **Remove the old filter and read its orientation - Pull the filter out - NCV3 lifts from** the cowl tray, VS30 slides from the footwell housing. Match the airflow arrow and orientation exactly. Compare old and new side by side: generations take different filters, and the wrong generation's...
5. **Clean the housing and inspect the seal - With the filter out, clear leaves by hand, never** blowing debris into the HVAC intake. Check the housing's rubber seal and the cover's sealing edge; a highway-mile Sprinter depends on it to keep air and water out. Wipe the sealing surfaces...
6. **Install the new filter and close everything back up - Seat the filter flat with no gaps,** matching the old orientation. NCV3: refit the cowl cover and lock it. VS30: refit the filter cover, swing the fuse box back, reinstall bolts - snug by hand; don't overtighten into plastic or pinch wirin...
7. **Verify the HVAC and set a van-appropriate interval - Start the van and run the blower** through all speeds on fresh-air: strong airflow, no new whistling - a whistle means a cover isn't seated. Inspect every 30,000 miles or yearly. Weak airflow with a new element means the blower or intake p...

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