SEA **Springfield Euro Auto** EXAMPLE SHOP
service@springfield-euro-auto.example

TECHNICIAN WORKSHEET · 3.0L M256 INLINE-SIX (EQ BOOST)
RA-M256-123456-20261027

2020 Mercedes-Benz GLE450 · W167 GLE450 4MATIC · AWD (4MATIC)

4JGFB5KB6LA123456

ODOMETER IN: 55,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

A · RECALLS AND CAMPAIGNS TO VERIFY (DEALER PRINTOUT OR NHTSA.GOV)

19V-572 · Fuel filler pipe weld can leak (2020 GLE450)	☐ Open ☐ Done ☐ N/A
21V-961 · Fuel rail to injector leak (2019–2020)	☐ Open ☐ Done ☐ N/A
24V-118 · Transmission may not downshift, engine can stall (2020–2023 GLE/GLS 450)	☐ Open ☐ Done ☐ N/A
24V-207 · Electrical · 48 V ground connection	☐ Open ☐ Done ☐ N/A
23V-177 · Air conditioning · drain hoses	☐ Open ☐ Done ☐ N/A
22V-231 · Electrical · 48 V ground cable	☐ Open ☐ Done ☐ N/A
21V-818 · Seats · assembly	☐ Open ☐ Done ☐ N/A
21V-288 · Air conditioning · drain hoses	☐ Open ☐ Done ☐ N/A
21V-057 · Dashboard · surface bonding	☐ Open ☐ Done ☐ N/A
20V-671 · Seat belts · rear middle buckle	☐ Open ☐ Done ☐ N/A
20V-626 · Electrical · grille star ground	☐ Open ☐ Done ☐ N/A
20V-329 · Suspension · struts and shocks	☐ Open ☐ Done ☐ N/A
20V-226 · Air bags · rear seat wiring	☐ Open ☐ Done ☐ N/A
20V-172 · Body · rear crossmember welds	☐ Open ☐ Done ☐ N/A
19V-587 · Air conditioning · drain hoses	☐ Open ☐ Done ☐ N/A
19V-540 · Active Brake Assist · radar	☐ Open ☐ Done ☐ N/A
19V-458 · Air bags · passenger frontal	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. 48 V system: battery, DC/DC converter, starter-generator

Check now · Past the range (5,000–24,000 mi, the middle half of 11 owner reports)

Scan 48 V battery G1/3 and DC/DC converter — ☐ OK ☐ Watch ☐ Fix

Read battery state of health — ☐ OK ☐ Watch ☐ Fix

48 V SOH: %

Scan for: B1833, B183371, B183397

Parts (W167): Ask your parts supplier for the OE part number for this VIN.

2. Rear crankshaft seal leak (oil on the starter-generator)

Watch · Any mileage (Early M256 engines (up to serials in the bulletin))

Check the bell-housing inspection cover for oil — ☐ OK ☐ Watch ☐ Fix

Bell housing: dry / wet

Parts (W167): Ask your parts supplier for the OE part number for this VIN.

3. Electric coolant pump faults (red coolant warning)

Watch · Any mileage (M256.9 before engine 2569xx30 599756)

Scan for U019F — ☐ OK ☐ Watch ☐ Fix

Check pump connectors and grounds — ☐ OK ☐ Watch ☐ Fix

Scan for: U019F

Parts (W167): Ask your parts supplier for the OE part number for this VIN.

4. Oil pressure warning (sticking control valve)

Watch · Any mileage (M256.9 up to engine 256 9xx 30 375024)

Check oil level ☐ OK ☐ Watch ☐ Fix

Road test and rescan ☐ OK ☐ Watch ☐ Fix

Parts (W167): Ask your parts supplier for the OE part number for this VIN.

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5. Turbo charge-air check valve (P22C8 / P22C9)

Watch · Any mileage (M256.8)

Scan for P22C8/P22C9 ☐ OK ☐ Watch ☐ Fix

Scan for: P22C8, P22C9

Parts (W167): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE

Not on this report for this car. Check the service records and the maker's schedule (brake fluid, spark plugs, coolant, transmission fluid). ☐ Records checked ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE 3.0L M256 INLINE-SIX (EQ BOOST), QUICK CHECKS

- **Stalling / loss of power** (44 complaints): Mixed causes; includes the fuel-pump recalls (23V-445/23V-880) and transmission stall recall 24V-118.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. 48 V system: battery, DC/DC converter, starter-generator
The 48 V system that runs the starter-generator, electric water pump and auxiliary compressor has several known faults: software no-starts, a short circuit, and failure of the 48 V battery cooling element. At 55,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. A recall or warranty extension may pay for it: we check the VIN.
Ask: have you noticed no start, or 48 V battery warning?

Adjust after the inspection. The report is not a diagnosis or a guarantee, so say what the technician found, not what the report predicts.

NOTES FOR THE ADVISOR

Record findings here (OK / Watch / Fix and measurements); the advisor adjusts the quote before the handout is printed or sent.

Reference only. Follow Mercedes-Benz repair procedures and your shop's judgment.