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

TECHNICIAN WORKSHEET · M272
RA-M272-123456-20261027

2007 Mercedes-Benz E350 · W211 E350 sedan · RWD

WDBUF56X37A123456

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
115,000			

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

24V-874 · Sunroof · glass panel	☐ Open ☐ Done ☐ N/A
22V-954 · Sunroof · glass panel	☐ Open ☐ Done ☐ N/A
21V-196 · Sunroof · glass panel bonding	☐ Open ☐ Done ☐ N/A
19V-918 · Sunroof · glass panel bonding	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Balance shaft sprocket and idle gear wear

Check now · Past the range (46,000–93,000 mi, the middle half of 53 owner reports)

Read the engine serial number on the block	☐ OK ☐ Watch ☐ Fix
Scan for P0016–P0019 and cam/crank correlation values	☐ OK ☐ Watch ☐ Fix

Cam/crank correlation: in spec / out

Scan for: P0016, P0017, P0018, P0019

Parts (W211): Ask your parts supplier for the OE part number for this VIN.

2. Intake manifold tumble-flap lever (P2004 / P2006)

Watch · Any mileage (All M272 V6 engines (2006–2014))

Scan for P2004–P2006	☐ OK ☐ Watch ☐ Fix
Check the flap linkage at the rear of the manifold	☐ OK ☐ Watch ☐ Fix

Scan for: P2004, P2005, P2006

Parts (W211): Ask your parts supplier for the OE part number for this VIN.

3. Camshaft solenoid oil leak into the wiring harness

Watch · Any mileage (2005–2011 models with M272/M273 (and other engines))

Unplug a camshaft solenoid and look for oil in the connector ☐ OK ☐ Watch ☐ Fix

Connectors: dry / oily

Scan for: P0010, P0020

Parts (W211): 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 M272, QUICK CHECKS

- **Stalling / loss of power** (132 complaints): Mixed causes in the complaint text; not one engine fault.
- **Fuel pump / fuel filter** (105 complaints): Mostly fuel pump or filter-flange complaints (see recall 12V-557); a fuel-system item, not an engine fault.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Balance shaft sprocket and idle gear wear
On early M272 V6 and M273 V8 engines the sintered-steel balance shaft sprocket (V6) or idle gear (V8) wears. At 115,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking.
Ask: have you noticed check-engine light with P0016, P0017, P0018 or P0019, or rough running?

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.