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

TECHNICIAN WORKSHEET · 1.8L M271 FOUR (SUPERCHARGED / TURBO)
RA-M271-123456-20261028

2013 Mercedes-Benz C250 · W204 C250 sedan 1.8 turbo · RWD

WDDGF4HB7DR123456

ODOMETER IN: 95,000 | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE

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

19V-010 · Air bags · passenger inflator (Takata)	☐ Open ☐ Done ☐ N/A
18V-043 · Air bags · passenger inflator (Takata)	☐ Open ☐ Done ☐ N/A
17V-627 · Air bags · driver frontal	☐ Open ☐ Done ☐ N/A
17V-252 · Steering · column coupling bolt	☐ Open ☐ Done ☐ N/A
17V-177 · Air bags · control software	☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Camshaft adjuster and timing chain rattle (C250 / SLK250)

Check now · Past the range (49,000–68,000 mi, the middle half of 10 owner reports)

Cold-start listen at the chain drive	☐ OK ☐ Watch ☐ Fix
Run the Xentry chain-drive check (LI05.10-P-058758)	☐ OK ☐ Watch ☐ Fix
Read camshaft/crankshaft correlation codes	☐ OK ☐ Watch ☐ Fix

Cam/crank correlation: in spec / out

Scan for: P0016, P0017, P0011, P0014, P0340, P0366

Parts (W204): Ask your parts supplier for the OE part number for this VIN.

2. High-pressure fuel pump failure (P0002, limp mode)

Watch · Any mileage (2012–2015 C250, C250 Coupe and SLK250; 10 yr / 120,000 mi extension)

Scan for P0002 / P000277	☐ OK ☐ Watch ☐ Fix
Compare actual and specified rail pressure under load	☐ OK ☐ Watch ☐ Fix

Rail pressure under load (bar)

Scan for: P0002, P0087

Parts (W204): Ask your parts supplier for the OE part number for this VIN.

3. Knock sensor code and limp mode (C250 / SLK250)

Watch · Any mileage (2012–2015 C250 and SLK250 (M271 EVO))

Scan for P0326 and fuel trims	☐ OK ☐ Watch ☐ Fix
Inspect spark plugs and knock sensor wiring	☐ OK ☐ Watch ☐ Fix

Scan for: P0326

Parts (W204): 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 1.8L M271 FOUR (SUPERCHARGED / TURBO), QUICK CHECKS

- **Air bags** (237 complaints): Takata and other air bag recalls; not an engine fault. Check open recalls by VIN.
- **Stalling / loss of power** (33 complaints): Mixed causes in the text: camshaft solenoids and harness (C230), the high-pressure pump and camshaft adjusters (C250); see the weak points.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Camshaft adjuster and timing chain rattle (C250 / SLK250)
The camshaft adjusters on the turbocharged M271 EVO can fail. At 95,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $4,200, before tax and shop supplies.
Ask: have you noticed rattle for 2–5 seconds after a cold start, or check-engine light with P0016, P0011, P0014 or P0340?

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.