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

TECHNICIAN WORKSHEET · S85
RA-S85-X12345-20261027

2007 BMW M5 · E60 M5 sedan · RWD

WBSNB93527CX12345

ODOMETER IN: 84,000 | DOOR-JAMB BUILD (MM/YY): | RO #: | TECHNICIAN / DATE:

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

12V-126 · Positive battery cable connection (fire risk) ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Rod bearings

Now · Inside the range (Most reported failures 60k–100k; many owners replace them at 60k–80k)

Oil analysis (lead, copper) ☐ OK ☐ Watch ☐ Fix

Filter inspection for metal ☐ OK ☐ Watch ☐ Fix

Bearings: original / replaced at ___ mi

Scan for: Oil pressure codes

Parts (E60): Ask your parts supplier for the OE part number for this VIN.

2. SMG gearbox hydraulic pump

Check now · Past the range (Often reported 60k–80k (guide))

SMG pump run time and pressure ☐ OK ☐ Watch ☐ Fix

Fault memory ☐ OK ☐ Watch ☐ Fix

Scan for: SMG / transmission codes

Parts (E60): Ask your parts supplier for the OE part number for this VIN.

3. VANOS high-pressure pump and lines

Watch · Any mileage (no reliable figure)

Oil at VANOS lines ☐ OK ☐ Watch ☐ Fix

VANOS fault memory ☐ OK ☐ Watch ☐ Fix

Scan for: VANOS codes

Parts (E60): Ask your parts supplier for the OE part number for this VIN.

4. Throttle actuators

Watch · Any mileage (Wear item; no mileage figure)

Throttle adaptation values ☐ OK ☐ Watch ☐ Fix

Scan for: CDC0, 2B21, 2B57

Parts (E60): Ask your parts supplier for the OE part number for this VIN.

5. Valve cover gaskets (oil leaks)

Watch · Any mileage (Age-related; cars over ~10 years)

Seep at both covers ☐ OK ☐ Watch ☐ Fix

Leak: dry / damp / wet

Parts (E60): 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 S85, QUICK CHECKS

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Rod bearings

Tight factory bearing clearances (2007 to late 2008 builds especially) reduce oil flow, the bearings wear, and a spun bearing can destroy the engine. At 84,000 mi your car is in the mileage range where owners report it. Our price is $3,900, before tax and shop supplies. Left until it fails, published repair bills run $25,000–$35,000.

Ask: have you noticed faint ticking at idle and low rpm, or copper or gold flakes in the oil?

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2. SMG gearbox hydraulic pump

On SMG cars the hydraulic pump motor fails most often; the clutch sensor and pressure accumulator can also fail. At 84,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $1,150, before tax and shop supplies.

Ask: have you noticed slow or hesitant shifts, or transmission warning light?

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.