SEA

Springfield Euro Auto EXAMPLE SHOP

service@springfield-euro-auto.example

TECHNICIAN WORKSHEET · M276
RA-M276-123456-20261027

2013 Mercedes-Benz E350 · W212 E350 4MATIC sedan · AWD (4MATIC)

WDDHF5KB5DA123456

ODOMETER IN	DOOR-JAMB BUILD (MM/YY)	RO #	TECHNICIAN / DATE
108,000			

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

15V-088 · Hood seal can fall onto the exhaust (fire risk) ☐ Open ☐ Done ☐ N/A

18V-043 · Air bags · passenger inflator ☐ Open ☐ Done ☐ N/A

17V-627 · Air bags · frontal ☐ Open ☐ Done ☐ N/A

17V-177 · Electrical system · software ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Timing chain tensioner (start-up rattle)

Check now · Inside the range (Rattle and tensioner issues reported 60k–120k)

Start-up listen after the car has sat overnight ☐ OK ☐ Watch ☐ Fix

Cam/crank correlation values ☐ OK ☐ Watch ☐ Fix

Start-up rattle: none / brief / long

Scan for: P0016, P0017, P0018, P0019

Parts (W212): Ask your parts supplier for the OE part number for this VIN.

2. Camshaft adjusters

Watch · Any mileage (Usually follows chain rattle; no separate mileage figure)

Cam timing actual vs. target ☐ OK ☐ Watch ☐ Fix

Scan for: P0016, P0017, P0018, P0019

Parts (W212): Ask your parts supplier for the OE part number for this VIN.

3. Valve covers and oil separator (oil leaks)

Watch · Past the range (Oil separator issues reported 50k–100k)

Seep at both covers ☐ OK ☐ Watch ☐ Fix

Oil separator function ☐ OK ☐ Watch ☐ Fix

Leak: dry / damp / wet

Parts (W212): Ask your parts supplier for the OE part number for this VIN.

4. Crankshaft position sensor

Watch · Any mileage (no reliable figure)

Fault memory ☐ OK ☐ Watch ☐ Fix

Scan for: P0335

Parts (W212): Ask your parts supplier for the OE part number for this VIN.

5. Engine oil cooler

Watch · Any mileage (Age-related)

Seep at the oil cooler ☐ OK ☐ Watch ☐ Fix

Parts (W212): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 138,000 MI (ASK FOR RECORDS)

Spark plugs · every 60,000 mi · was due at 60,000 mi, next 120,000 mi · $329 ☐ Done (records) ☐ Due ☐ Quoted

Automatic transmission fluid · every 70,000 mi · was due at 70,000 mi (check records) · From $449 ☐ Done (records) ☐ Due ☐ Quoted

Brake fluid · every 20,000 mi or 2 years · was due at 100,000 mi and by age (check records) · $149 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE M276, QUICK CHECKS

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Timing chain tensioner (start-up rattle)
Oil drains back from the chain tensioner when the car sits, so the chain slaps for a few seconds at start-up and wears the guides and cam adjusters. At 108,000 mi your car is in the mileage range where owners report it. Our price is $1,900, before tax and shop supplies.
Ask: have you noticed rattle for 1–3 seconds at a cold start, or cam/crank correlation codes?

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.