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

TECHNICIAN WORKSHEET · M274
RA-M274-123456-20261027

# 2017 Mercedes-Benz C300 · W205 C300 sedan · RWD

WDDWF4JB2HR123456

| ODOMETER IN | DOOR-JAMB BUILD (MM/YY) | RO # | TECHNICIAN / DATE |
|---|---|---|---|
| 74,000 | | | |

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

| | |
|---|---|
| **17V-114** · Starter current limiter can overheat (fire risk) | ☐ Open ☐ Done ☐ N/A |
| **23V-854** · Body · roof panel | ☐ Open ☐ Done ☐ N/A |
| **21V-197** · Body · roof panel | ☐ Open ☐ Done ☐ N/A |
| **21V-032** · Seat belts · front retractor | ☐ Open ☐ Done ☐ N/A |
| **18V-850** · Steering · rack and pinion | ☐ Open ☐ Done ☐ N/A |
| **17V-627** · Air bags · frontal | ☐ Open ☐ Done ☐ N/A |
| **17V-251** · Seat belts · pretensioner | ☐ Open ☐ Done ☐ N/A |
| **17V-243** · Steering · electric power assist | ☐ Open ☐ Done ☐ N/A |

## B · INSPECTION POINTS, IN PLAN ORDER

### 1. Timing chain tensioner and chain

Check now · Inside the range (Tensioner wear reported 60k–90k)

Cold-start listen ☐ OK ☐ Watch ☐ Fix

Cam/crank correlation values ☐ OK ☐ Watch ☐ Fix

Cold-start rattle: none / brief / long

Scan for: P0016, P0017, P0011, P0012

Parts (W205): Ask your parts supplier for the OE part number for this VIN.

### 2. Camshaft adjuster magnets (solenoids)

Check now · Past the range (Leaks commonly reported 40k–70k)

Oil at magnets and connectors ☐ OK ☐ Watch ☐ Fix

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

Magnets: dry / seep / wet

Scan for: P0011, P0012, P0014, P0016, P0017

Parts (W205): Ask your parts supplier for the OE part number for this VIN.

### 3. Water pump

Plan · Approaching the range (Proactive replacement suggested around 80k)

Seep at the pump weep hole ☐ OK ☐ Watch ☐ Fix

Parts (W205): Ask your parts supplier for the OE part number for this VIN.

### 4. Turbo wastegate rattle

Watch · Inside the range (Reported 30k–80k)

Wastegate linkage play ☐ OK ☐ Watch ☐ Fix

Boost codes ☐ OK ☐ Watch ☐ Fix

Scan for: Boost / wastegate codes

Parts (W205): Ask your parts supplier for the OE part number for this VIN.

### 5. Valve cover with built-in breather (PCV)

Watch · Inside the range (Breather and gasket issues reported 50k–90k)

Seep at valve cover ☐ OK ☐ Watch ☐ Fix

Crankcase pressure ☐ OK ☐ Watch ☐ Fix

Leak: dry / damp / wet

Scan for: P052E

Parts (W205): 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 M274, QUICK CHECKS

## WHAT TO SAY AT THE COUNTER (ADVISOR)

**1. Timing chain tensioner and chain**
The tensioner loses its grip on the chain, especially at cold start; worn guides let the chain stretch, and in advanced cases it can jump timing. At 74,000 mi your car is in the mileage range where owners report it. Our price is $150, before tax and shop supplies.
Ask: have you noticed rattle for a few seconds on a cold start, or cam/crank correlation codes?

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**2. Camshaft adjuster magnets (solenoids)**
The electromagnetic actuators on the front of the cylinder head that control cam timing start to seep oil at their seals, and some fail electrically. At 74,000 mi your car is past the usual range, so if the original part is still fitted it is worth checking. Our price is $480, before tax and shop supplies.
Ask: have you noticed oil at the front of the valve cover, or check-engine light with cam timing codes?

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**3. Water pump**
The water pump can leak or fail with age. At 74,000 mi your car is getting close to the mileage where owners start reporting it. Our price is $950, before tax and shop supplies.
Ask: have you noticed coolant loss, or overheating warning?

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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.