SEA

Springfield Euro Auto EXAMPLE SHOP

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TECHNICIAN WORKSHEET · M96/M97 FLAT-SIX
RA-M96-123456-20261027

2003 Porsche Boxster · 986 Boxster (2.7) · RWD

WP0CA29843U123456

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

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

03V-004 · Tiptronic · key-lock cable ☐ Open ☐ Done ☐ N/A

B · INSPECTION POINTS, IN PLAN ORDER

1. Intermediate shaft (IMS) bearing failure

Now · Past the range (26,000–50,000 mi, the middle half of 18 owner reports)

- Cut open the oil filter and look for metal ☐ OK ☐ Watch ☐ Fix
- Check for IMS retrofit paperwork ☐ OK ☐ Watch ☐ Fix
- Oil analysis ☐ OK ☐ Watch ☐ Fix
- Metal in filter: none / some
- Parts (986): Ask your parts supplier for the OE part number for this VIN.

2. Cylinder bore scoring

Watch · Any mileage (Higher-mileage 3.6 and 3.8 engines especially)

- Borescope all cylinders ☐ OK ☐ Watch ☐ Fix
- Compare tailpipe soot left vs. right ☐ OK ☐ Watch ☐ Fix
- Leak-down test ☐ OK ☐ Watch ☐ Fix
- Borescope: clean / light / scored
- Parts (986): Ask your parts supplier for the OE part number for this VIN.

3. Coolant leaks (fittings and pipes)

Watch · Any mileage (Any age; owners report glued coolant fittings coming loose)

- Pressure-test the cooling system ☐ OK ☐ Watch ☐ Fix
- Inspect fittings and pipes ☐ OK ☐ Watch ☐ Fix
- Parts (986): Ask your parts supplier for the OE part number for this VIN.

4. Rear main seal leak

Watch · Any mileage (Engines before the May 2005 seal change)

- Look at the bellhousing for wet oil ☐ OK ☐ Watch ☐ Fix
- Bellhousing: dry / damp / dripping
- Parts (986): Ask your parts supplier for the OE part number for this VIN.

5. Cracked ignition coils

Watch · Any mileage (1997–2013 Boxster, Cayman, 996 and 997)

- Read coil markings ☐ OK ☐ Watch ☐ Fix
- Check for cracks ☐ OK ☐ Watch ☐ Fix
- Scan for: P0300
- Parts (986): Ask your parts supplier for the OE part number for this VIN.

FACTORY MAINTENANCE DUE BY 125,000 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 90,000 mi · was due at 90,000 mi (check records) · From $449 ☐ Done (records) ☐ Due ☐ Quoted
- **Brake fluid** · every 2 years · $149 ☐ Done (records) ☐ Due ☐ Quoted

C · ALSO REPORTED FOR THE M96/M97 FLAT-SIX, QUICK CHECKS

- **Transmission** (13 complaints): Counts all transmission complaints; not an engine fault.

WHAT TO SAY AT THE COUNTER (ADVISOR)

1. Intermediate shaft (IMS) bearing failure

The sealed bearing that supports the intermediate shaft 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 $2,500, before tax and shop supplies. Left until it fails, published repair bills run $15,000–$30,000.

Ask: have you noticed metal flakes in the oil filter, or rattle or ticking from the back of the engine?

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.