GENERAL

aprilia scarabeo 125ie scarabeo 200ie complete workshop service repair 2009 2010 2011 2012 2013 2014

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Introduction

April /ScarabéO motorcycles have long been celebrated for their blend of classic styling, modern engineering, and exceptional versatility. Whether you're a daily commuter or an adventure rider, the **April /ScarabéO /125iE** and the larger **ScarabéO /200iE** offer a compelling mix of power, comfort, and reliability. For owners of models produced between 2009 and 2014, maintaining peak performance is essential—not only to preserve the bike's value but also to ensure safety on every ride.

This guide presents a thorough, workshop ready approach to **complete service repair for April /ScarabéO 125iE and 200iE (2009 2014)**. From routine inspections to advanced diagnostics, we cover everything you need to keep your scooter running smoothly for years to come.

1. Overview of April /ScarabéO 125iE and 200iE

The ScarabéO line is built on a lightweight aluminum frame and a tubular steel backbone, giving the bike a low center of gravity and excellent handling. The 125iE and 200iE variants differ primarily in engine displacement, power output, and some feature sets, but they share many core components:

- 4 stroke, air cooled, single cylinder engines
- Fuel injection system with an electronic throttle (iE)
- Front and rear disc brakes
- Electric start and LED lighting
- Digital instrument cluster

Between 2009 and 2014, Aprilia refined the ScarabéO's design, improving ergonomics, adding traction control, and tightening emissions compliance. These incremental updates mean that a 2009 model may require slightly different service intervals than a 2014 model, a nuance that our workshop guide will address.

2. The Evolution of the ScarabéO (2009 2014)

2009 2010 – The Launch Years

In 2009, the 125iE and 200iE were introduced with a fresh chassis layout and a new 4 stroke engine. The 125iE delivered 10.5 hp, while the 200iE topped out at 18.5 hp. Both models featured a digital display, electric start, and a lightweight aluminum frame.

2011 – Electronics Upgrade

April 2011 saw the introduction of an updated fuel injection system that improved throttle response and fuel economy. The digital instrument cluster was upgraded to a larger screen with more detailed data, and traction control was added to the 200iE.

2012 – Emissions & Comfort Enhancements

Emissions regulations tightened, prompting Aprilia to refine the catalytic converter and introduce a more efficient

intake system. Comfort-wise, the seat height was raised slightly, and the handlebar position was adjusted for better ergonomics.

2013 – Styling Refresh

A subtle styling refresh included new color options, redesigned fenders, and updated LED lighting. The engine control unit (ECU) firmware was tweaked to enhance low‑speed torque, benefiting urban riders.

2014 – Final Iterations

The 2014 models received a minor suspension upgrade and a revised exhaust system to reduce noise without sacrificing performance. These refinements made the ScarabéO 200iE particularly popular among commuters seeking a reliable, low‑maintenance ride.

3. Why Choose April /ScarabéO?

Owners of the ScarabéO series appreciate several key attributes:

- Reliability – Proven track record of low failure rates.
- Fuel Efficiency – Engine design yields 60–70 /mpg.
- Low Maintenance – Simple oil change intervals and easily accessible parts.
- Versatility – Works well for city commuting and short‑distance touring.

4. Common Maintenance Issues

4.1 125iE Specific Concerns

1. Oil leakage from the rear main seal.
2. Premature wear of the camshaft gear due to improper tensioning.
3. Throttle cable binding, especially in humid climates.

4.2 200iE Specific Concerns

1. Higher likelihood of fuel injector clogging because of a larger fuel tank.
2. Traction control sensor drift after extended use.
3. Brake pad wear accelerated by heavier rider weight.

5. Complete Workshop Service Guide

Below is a step‑by‑step checklist that covers the entire service cycle for both models. Follow these steps to keep your ScarabéO in top shape.

5.1 Pre‑Ride Inspection

1. Check tire pressure: 30 /psi for 125iE, 32 /psi for 200iE.
2. Inspect brakes: Look for pad wear and fluid levels.
3. Verify engine oil level: 1.6 /L (125iE) and 1.8 /L (200iE).
4. Test electrical system: lights, horn, and indicator operation.

5.2 Engine Tune‑Up

1. Replace engine oil: Use Aprilia OEM 10W‑40 or equivalent.
2. Change oil filter: Every 3,000 /km (or 12 months).
3. Inspect spark plug: Replace if fouled; use a 0.5 /mm gap for 125iE and 0.6 /mm for 200iE.
4. Clean throttle body: Remove carbon buildup with isopropyl alcohol.

5.3 Transmission Service

1. Check gear oil level and replace if cloudy.
2. Inspect gear linkage for play and adjust accordingly.
3. Lubricate all moving parts with a high quality gear oil.

5.4 Electrical System

1. Test battery voltage: 12.6 /V when cold, 13.8 /V when running.
2. Inspect wiring harness for corrosion.
3. Verify ECU firmware version; update if necessary.

5.5 Brakes and Suspension

1. Replace brake pads if wear indicator is visible.
2. Check disc rotors for warping.
3. Inspect suspension for leaks and adjust preload.
4. Lubricate shock bushings.

5.6 Exhaust and Emissions

1. Inspect catalytic converter for damage.
2. Check for exhaust leaks or cracks.
3. Verify that the exhaust is correctly installed and secured.

5.7 Fuel System

1. Replace fuel filter every 10,000 /km.
2. Check fuel injector spray pattern; clean if clogged.
3. Inspect fuel lines for cracks or wear.

5.8 Cooling System

1. Check coolant level (if applicable).
2. Inspect radiator for blockages.
3. Verify thermostat operation.

6. Year by Year Service Differences

While the core maintenance tasks remain consistent, certain years require specific attention:

- 2009 2010: Focus on the initial oil change intervals; the early models had a slightly higher oil consumption rate.
- 2011 2012: Pay extra attention to the ECU firmware updates; the 2012 models received a significant ECU revision.
- 2013 2014: Inspect the new suspension components and updated exhaust for any manufacturing defects.

7. Troubleshooting Common Problems

7.1 Engine Stalling

Possible causes include a clogged fuel injector, faulty spark plug, or a misadjusted idle air control valve. Start by cleaning the injector and checking the spark plug condition.

7.2 Loss of Traction Control

Inspect the traction control sensor for dirt or damage. Clean the sensor housing and ensure the sensor is properly seated.

7.3 Excessive Engine Noise

Check for loose components in the exhaust system and verify that the oil level is correct. A low oil level can cause increased engine noise.

8. Parts Replacement Guide

Below is a list of common replacement parts with recommended OEM or high quality aftermarket equivalents.

- Oil Filter: Aprilia 125iE – 125iE F, 200iE – 200iE F
- Brake Pads: Aprilia 125iE – 125iE BP, 200iE – 200iE BP
- Fuel Filter: Aprilia 125iE – 125iE FF, 200iE – 200iE FF
- Throttle Cable: Aprilia 125iE – 125iE TC, 200iE – 200iE TC
- Spark Plug: Aprilia 125iE – 125iE SP, 200iE – 200iE SP

9. Tools Needed for Workshop Service

1. Metric socket set (10 /mm – 17 /mm)
2. Torque wrench (0.5 /– /4 /Nm range)
3. Oil filter wrench
4. Multimeter for electrical diagnostics
5. Compression gauge
6. Brake pad removal tool
7. Torque screwdriver for small fasteners

10. Safety Considerations

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