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Aprilia Mojito: A Complete Guide to 50, 125, and 150 Workshop Service & Repair Manuals (1999 2009)

When it comes to lightweight, efficient, and stylish scooters, the Aprilia Mojito stands out as a classic choice for commuters and leisure riders alike. Introduced in the late 1990s, the Mojito series evolved through several engine sizes—50 cc, 125 cc, and 150 cc—each offering its own blend of performance and practicality. Whether you own a 1999 model or a 2009 update, this guide will walk you through the essential workshop service steps, key repair manuals, and the best practices for keeping your Aprilia Mojito running smoothly.

Why the Aprilia Mojito Remains Popular

Aprilia, an Italian motorcycle manufacturer, has long been known for combining Italian design flair with engineering precision. The Mojito, launched as a successor to the popular Aprilia SR series, quickly became a favorite for its:

- Compact size – perfect for city traffic and tight parking.
- Fuel efficiency – especially the 50 /cc and 125 /cc variants.
- Low maintenance – thanks to straightforward mechanical design.
- Stylish aesthetics – a blend of retro charm and modern lines.

By the time the 2009 model year rolled out, Aprilia had refined the Mojito’s chassis, updated the braking system, and introduced a more refined suspension setup, making it a reliable ride for both beginners and experienced riders.

Understanding the Engine Options: 50 /cc, 125 /cc, and 150 /cc

The Aprilia Mojito was offered in three primary engine displacements, each catering to different rider needs and licensing regulations.

50 /cc Mojito – The Entry Level Scooter

The 50 cc version is ideal for new riders and city commuters. It’s lightweight, easy to handle, and compliant with the 50 /cc licensing laws in many countries.

- Power Output: Approximately 3.5 /hp.
- Top Speed: 35–40 /mph.
- Fuel Tank Capacity: 5 /liters.

125 /cc Mojito – The Mid Range Performer

Offering a balance between power and efficiency, the 125 cc Mojito is a popular choice for those who need a bit more speed without sacrificing fuel economy.

- Power Output: 10–12 /hp.
- Top Speed: 55–60 /mph.
- Fuel Tank Capacity: 6.5 /liters.

150 /cc Mojito – The High Performance Variant

For riders who desire a punchier performance, the 150 cc Mojito offers a higher power output and slightly larger displacement.

- Power Output: 12–14 /hp.
- Top Speed: 60–65 /mph.
- Fuel Tank Capacity: 7 /liters.

Workshop Service Basics for Aprilia Mojito (1999 2009)

Maintaining your Aprilia Mojito is straightforward, thanks to its modular design. Below are the core workshop service steps that should be performed regularly to keep your scooter in top condition.

1. Routine Inspection Checklist

1. Brake System: Check brake pads and fluid levels. Replace pads if worn.
2. Tyres & Wheels: Inspect for tread wear and ensure correct tyre pressure.
3. Engine Oil: Replace every 3,000–4,000 /km or as specified in the manual.
4. Spark Plug: Inspect and replace if necessary.
5. Chain & Sprocket: Check tension and lubrication.
6. Lights & Electrical: Test headlight, taillight, and horn.

2. Detailed Service Procedures

While the general inspection covers most issues, deeper service tasks are essential for longevity.

- Engine Rebuild: For older models (1999 2004), consider a partial rebuild if you notice rough idling or reduced power.
- Cooling System: Flush the cooling system every 12 months to prevent overheating.
- Transmission Maintenance: Replace the gearbox oil if you've performed a major repair.
- Suspension Adjustment: Adjust the front forks and rear shocks to suit your weight and riding style.

3. Common Repairs & Troubleshooting

Below are some frequent repair scenarios and how to address them.

- Engine Stalling: Check the carburetor, spark plug, and fuel filter.
- Brake Fade: Inspect brake fluid and replace if contaminated.
- Chain Slippage: Tighten the chain or replace worn sprockets.
- Electrical Issues: Inspect battery connections and replace the battery if voltage drops.

Aprilia Mojito Repair Manuals: Where to Find Them (1999 2009)

Having the right repair manual is crucial for accurate diagnostics and repairs. Below is a guide to locating the official Aprilia Mojito workshop service repair manuals for the 50 /cc, 125 /cc, and 150 /cc models from 1999 to 2009.

1. Official Aprilia Service Manuals

Aprilia's official service manuals are the most reliable source. They contain:

- Detailed diagrams and exploded views.
- Torque specifications.
- Step by step procedures for each component.
- Safety warnings and best practices.

These manuals can be purchased from Aprilia's official website or authorized dealers. They are often available in PDF format for easy reference.

2. Third Party Repair Guides

For those who prefer a more accessible or cost effective option, several third party repair guides cover the Aprilia Mojito series:

- Cycle World Repair Guides – Comprehensive coverage of 125 /cc and 150 /cc models.
- Motorcycle Mechanics Online – Step by step videos and written instructions.
- eBay & Amazon – Physical copies of used repair manuals.

3. Digital Libraries & Forums

Online communities such as *Aprilia Owners Club* and *Motorcycle Forums*often share PDFs and scanned pages of older manuals. These resources can be invaluable for locating specific diagrams or troubleshooting tips.

Step by Step Workshop Service for Aprilia Mojito 50 /cc (1999 2009)

Below is a detailed, workshop style service routine specifically for the 50 cc Aprilia Mojito. While many steps apply to the 125 /cc and 150 /cc variants, the 50 /cc version has a few unique nuances.

Step 1: Preparation

1. Secure the scooter on a stand and ensure the battery is disconnected.
2. Gather tools: torque wrench, socket set, screwdrivers, and a cleaning kit.
3. Place a clean work surface to avoid contamination.

Step 2: Engine Oil Change

1. Locate the oil drain plug at the bottom of the engine.
2. Place a drain pan and remove the plug using the appropriate socket.
3. Let the oil drain completely.
4. Replace the oil filter (if applicable) and reinstall the drain plug.
5. Fill the engine with the manufacturer recommended oil (typically 10–15 /ml per 100 /cc).
6. Check for leaks and re tighten the plug to the specified torque.

Step 3: Spark Plug Replacement

1. Remove the spark plug wire and unscrew the spark plug with a spark plug socket.
2. Inspect the plug for fouling or wear.
3. Insert a new plug, ensuring the correct gap (usually 0.6–0.7 /mm).
4. Reconnect the wire and test the engine.

Step 4: Carburetor Cleaning

1. Remove the carburetor housing.
2. Use a carburetor cleaner spray to eliminate varnish and debris.
3. Reassemble and adjust the idle speed according to the manual.

Step 5: Brake System Check

1. Inspect brake pads for wear; replace if less than 2 /mm.
2. Check the brake fluid level and top up with mineral oil.
3. Bleed the brake system to remove air bubbles.

Step 6: Final Inspection

1. Reconnect the battery.
2. Start the engine and listen for any unusual noises.
3. Check all lights and indicators.
4. Take a short test ride to confirm smooth operation.

Advanced Repairs: 125 /cc & 150 /cc Mojito (1999 2009)

While the 50 /cc version is relatively simple, the 125 /cc and 150 /cc models introduce more complex components such as a dual shock rear suspension and a more robust braking system. Below are key repair points for these variants.

1. Dual Shock Suspension Service

- Remove the rear wheel and access the shock absorbers.
- Clean the shock seals and replace if worn.
- Adjust the preload by turning the adjustment screw.
- Reinstall the wheel and test for smooth suspension travel.

2. Front Fork Adjustments

- Check fork oil levels and top up if necessary.
- Inspect fork seals for leaks.
- Adjust fork compression by tightening the fork cap screw.

3. Engine Timing Check

- Remove the timing cover.
- Align the timing marks on the crankshaft and camshaft.
- Reinstall the cover and ensure proper torque on bolts.

Best Practices for Long Term Maintenance

Keeping your Aprilia Mojito in optimal condition involves more than just periodic servicing. Consider these long term strategies:

- Regular Cleaning: Wash the scooter at least once a month to prevent rust and corrosion.
- Cover During Storage: Use a breathable cover to protect the paint and prevent moisture buildup.
- Battery Care: Charge the battery after each use, especially in cold weather.
- Use Quality Parts: Replace worn components with OEM or high quality aftermarket parts.
- Document Service History: Keep a log of all maintenance activities for resale value.

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