# Motorcycle Fuel System Maintenance

This playbook outlines the step-by-step process for cleaning and maintaining a motorcycle's fuel system. It covers inspecting and servicing the tank, fuel lines, and fuel injection or carburetion components for optimal performance.

### Step 1: Preparation

Gather all necessary tools and supplies such as fuel container, hoses, cleaning solvents, safety equipment, and replacement parts. Ensure that the motorcycle is in a stable position and the engine is cool before beginning work.

### Step 2: Fuel Draining

Safely drain the fuel from the tank into an appropriate container. Make sure to dispose of the old fuel responsibly or store it properly if it's still usable.

### Step 3: Tank Inspection

Remove the fuel tank and inspect it for rust, sediment, or damage. Clean the tank using appropriate solvents and repair if necessary.

### Step 4: Fuel Lines

Disconnect and inspect the fuel lines for cracks or wear. Replace the lines if any defects are found. Clean or replace the fuel filter(s) as needed.

### Step 5: Carburetor/Injector Servicing

For carbureted systems: disassemble the carburetor, clean all components with carburetor cleaner, and reassemble with new gaskets as necessary.

For fuel-injected systems: inspect and clean the injectors, replace o-rings, and ensure the injector nozzles are free of debris.

### Step 6: Reassembly

Reconnect all components including the fuel tank, lines, and carburetor or fuel injectors. Ensure all connections are secure and there are no leaks.

### Step 7: Testing

Refill the fuel tank with fresh gasoline and start the motorcycle. Check for proper idle and throttle response. Inspect for leaks during operation.

### Step 8: Final Check

After the engine has reached operating temperature, perform a final inspection for any issues. Make any necessary adjustments and verify that the motorcycle is running smoothly.

## General Notes

### Safety

Always work in a well-ventilated area away from open flames. Use safety glasses and gloves when handling fuel and chemicals.

### Environmental Care

Properly dispose of used fuel, cleaning solvents, and damaged components in accordance with local regulations.

### System Compatibility

Ensure all replacement parts and cleaning solvents are compatible with your motorcycle's fuel system to prevent damage.