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Honda CRF125F (2019-2024)

Honda CRF125F Motorcycle Service Manual (2019-2024)

Comprehensive Service and Repair Information

INTRODUCTION

This manual provides detailed service and repair information for the Honda CRF125F motorcycle models from 2019 to 2024. It includes step-by-step procedures, specifications, and wiring diagrams to assist in maintenance and repair tasks. The content is prepared by a veteran dealer-trained technician to ensure accuracy and clarity.

Applicable models include:

- 2024 Honda CRF125F
- 2023 Honda CRF125F
- 2022 Honda CRF125F
- 2021 Honda CRF125F
- 2020 Honda CRF125F
- 2019 Honda CRF125F

VISUAL REFERENCE

CYCLEPEDIA PRESS LLC ***Service Manual***

2019+ Honda CRF125F/FB



This image displays a red Honda CRF125F motorcycle parked in a wooded area, providing a visual reference for the manual's subject. Below the main image, three smaller insets show detailed views of various engine components, illustrating the type of detailed instructions found within the manual.

SERVICE INFORMATION

This section covers general service procedures and important information for maintaining your Honda CRF125F.

Quick Reference

Provides essential data and common settings for quick consultation.

Torque Specifications

Detailed torque values for all fasteners to ensure proper assembly and prevent damage.

VIN and Engine Number

Information on locating and understanding the Vehicle Identification Number (VIN) and engine serial number.

PERIODIC MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your motorcycle. Follow the recommended schedule and procedures outlined below.

Periodic Maintenance Chart

A comprehensive chart detailing recommended service intervals and tasks.

Air Filter Servicing

Instructions for inspection, cleaning, and replacement of the air filter.

Brake Inspection

Procedures for checking brake pad wear, disc condition, and overall brake system integrity.

Brake Fluid

Guidelines for checking and replacing brake fluid.

Clutch Cable Adjustment

Steps to ensure proper clutch lever free play.

Compression Check

Procedure for measuring engine compression to assess engine health.

Crankcase Breather

Inspection and maintenance of the crankcase breather system.

Drive Chain and Guides

Instructions for inspecting, cleaning, lubricating, and adjusting the drive chain and guides.

Engine Idle Speed

Procedure for checking and adjusting the engine idle speed.

Engine Oil

Steps for checking oil level and performing oil and filter changes.

Fuel Filter

Inspection and replacement of the fuel filter.

Fuel Line

Inspection of fuel lines for cracks or leaks.

Lubrication and Seal Points

Identification of lubrication points and seal inspection.

Nuts, Bolts, and Fasteners

General inspection and tightening procedures for critical fasteners.

Spark Arrestor

Cleaning and maintenance of the exhaust spark arrestor.

Spark Plug

Inspection, cleaning, and replacement of the spark plug.

Steering Head Inspection

Procedure for checking steering head bearing play.

Suspension Inspection

Checks for front and rear suspension components.

Throttle Free Play

Adjustment of throttle cable free play.

Tires

Inspection of tire pressure, wear, and condition.

Valve Clearance

Procedure for checking and adjusting valve clearances.

EXTERNAL COMPONENTS

This section details the removal, installation, and maintenance of external parts.

Bodywork

Instructions for removing and installing fairings and other body panels.

Brake Pedal

Removal, inspection, and installation of the brake pedal.

Chain Guards

Maintenance and replacement of chain guards.

Exhaust System

Removal, inspection, and installation of exhaust components.

Footpegs

Removal and installation of footpegs.

Fuel Tank Center Cover/Tray

Instructions for accessing components under the fuel tank cover.

Fuel Tank

Removal and installation of the fuel tank.

Handlebar

Removal, inspection, and installation of the handlebar.

Seat

Removal and installation of the seat.

Skid Plate

Removal and installation of the skid plate.

Side Stand

Inspection and maintenance of the side stand.

ENGINE

Detailed procedures for engine disassembly, inspection, and assembly.

Cylinder Head Cover

Removal and installation of the cylinder head cover.

Camshaft

Inspection and replacement of the camshaft.

Cylinder Head

Removal, inspection, and installation of the cylinder head.

Valves

Inspection and service of engine valves.

Valve Lapping

Procedure for valve lapping.

Valve Guide Replacement

Instructions for replacing valve guides.

Piston and Cylinder

Removal, inspection, and installation of the piston and cylinder.

Right Crankcase Cover

Removal and installation of the right crankcase cover.

Clutch Removal

Steps for removing the clutch assembly.

Clutch Installation

Steps for installing the clutch assembly.

Gearshift

Service procedures for the gearshift mechanism.

Oil Pump

Inspection and service of the oil pump.

Primary Drive Gear

Removal and installation of the primary drive gear.

Left Side Engine Components

Service procedures for components on the left side of the engine.

Engine Removal

Detailed steps for safely removing the engine from the frame.

Engine Installation

Detailed steps for safely installing the engine into the frame.

Crankcase Splitting

Procedure for separating the crankcase halves.

Crankcase Bearings

Inspection and replacement of crankcase bearings.

Crankcase Assembly

Steps for reassembling the crankcase.

Crankshaft and Rod

Inspection and service of the crankshaft and connecting rod.

Transmission

Disassembly, inspection, and assembly of the transmission.

Transmission Shafts

Inspection and service of transmission shafts.

Kick Starter

Service procedures for the kick starter mechanism.

FUEL SYSTEM

Maintenance and troubleshooting for the fuel delivery system.

Airbox

Removal, inspection, and installation of the airbox.

Fast Idle Solenoid Valve

Inspection and testing of the fast idle solenoid valve.

Fuel Injector

Removal, inspection, and testing of the fuel injector.

Fuel Pump

Removal, inspection, and testing of the fuel pump.

MAP Sensor

Inspection and testing of the Manifold Absolute Pressure (MAP) sensor.

Throttle Body

Removal, inspection, and cleaning of the throttle body.

GENERAL TROUBLESHOOTING

Guidance for diagnosing common issues with the motorcycle.

FI System Self-Diagnostics

Information on using the Fuel Injection (FI) system's self-diagnostic functions.

Service Codes (DTCs)

Explanation of Diagnostic Trouble Codes (DTCs) and their meanings.

DTC Troubleshooting

Step-by-step procedures for troubleshooting based on specific DTCs.

FINAL DRIVE

Maintenance and service for the final drive components.

Drive Chain

Detailed procedures for drive chain inspection, adjustment, and replacement.

Engine Sprocket

Removal, inspection, and installation of the engine sprocket.

Rear Wheel Sprocket

Removal, inspection, and installation of the rear wheel sprocket.

BRAKES

Comprehensive service information for the braking system.

Front Master Cylinder

Service procedures for the front brake master cylinder.

Front Caliper

Disassembly, inspection, and assembly of the front brake caliper.

Front Rotor

Inspection and replacement of the front brake rotor.

Rear Drum Brake

Service procedures for the rear drum brake system.

FRONT SUSPENSION

Service and maintenance for the front fork components.

Front Fork Removal and Installation

Steps for removing and installing the front fork assemblies.

Fork Disassembly

Detailed instructions for disassembling the front forks.

Fork Assembly

Detailed instructions for assembling the front forks.

REAR SUSPENSION

Service and maintenance for the rear suspension components.

Shock Absorber

Removal, inspection, and installation of the rear shock absorber.

Swing Arm

Removal, inspection, and installation of the swing arm.

Suspension Linkage

Inspection and lubrication of the rear suspension linkage.

STEERING

Service procedures for the steering system.

Steering Bearing Service

Inspection, lubrication, and replacement of steering head bearings.

WHEELS

Maintenance and service for the wheel assemblies.

Front Wheel

Removal, inspection, and installation of the front wheel.

Rear Wheel

Removal, inspection, and installation of the rear wheel.

Wheel Inspection

Procedures for checking wheel runout and spoke tension.

Wheel Bearing Replacement

Instructions for replacing wheel bearings.

ELECTRICAL SYSTEMS

Troubleshooting and service for the motorcycle's electrical components.

Battery

Inspection, testing, and maintenance of the battery.

Charging System

Testing and troubleshooting of the charging system components.

Ignition System

Testing and troubleshooting of the ignition system.

Starting System

Testing and troubleshooting of the electric starting system.

Starter Motor

Removal, inspection, and testing of the starter motor.

ECM

Information regarding the Engine Control Module (ECM).

Fuel Reserve Light

Troubleshooting for the fuel reserve indicator light.

Fuses and Diode

Location and inspection of fuses and diodes.

Sensors

Testing and troubleshooting of various electrical sensors.

Switches

Inspection and testing of electrical switches.

Wiring Diagram

A complete wiring diagram for electrical system diagnosis.

SPECIFICATIONS

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