SW-Motech SBL.01.466.100

SW-Motech SBL.01.466.100 Engine Guard Instruction Manual

Model: SBL.01.466.100 | Brand: SW-Motech

1. Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of your SW-Motech SBL.01.466.100 Engine Guard. Please read this manual thoroughly before beginning installation to ensure safe and correct assembly. Retain this manual for future reference.
The SW-Motech Engine Guard is designed to provide protection for your motorcycle's engine and frame components in the event of a fall or slide, minimizing potential damage.

2. Safety Instructions

- Always wear appropriate personal protective equipment (PPE) during installation, including safety glasses and gloves.
- Ensure the motorcycle is stable and securely supported on a center stand or paddock stand before beginning any work.
- Do not attempt installation if you are unsure of any steps. Consult a qualified motorcycle mechanic.
- Use only the provided hardware and tools specified in this manual.
- After installation, check all fasteners for proper torque and ensure no components interfere with the motorcycle's operation (e.g., steering, suspension, controls).
- Regularly inspect the engine guard for damage or loose fasteners, especially after any impact or off-road use.

3. Package Contents

Please verify that all items listed below are present in your package. If any parts are missing or damaged, contact your retailer immediately.

- SW-Motech Engine Guard (Left and Right sections)
- Mounting Hardware Kit (bolts, washers, spacers, nuts)

- Installation Instructions (this manual)

4. Tools Required

The following tools are typically required for the installation of the engine guard:

- Metric Socket Set and Ratchet
- Metric Wrench Set
- Torque Wrench
- Hex Key Set (Allen wrenches)
- Thread-locking compound (e.g., Loctite blue)
- Motorcycle Lift or Paddock Stand

5. Setup and Installation

Follow these steps carefully for proper installation. Refer to your motorcycle's service manual for specific torque values for existing frame bolts if they are reused.

1. **Prepare the Motorcycle:** Park the motorcycle on a firm, level surface. Secure it on a center stand or paddock stand to ensure stability. Allow the engine to cool completely.
2. **Identify Mounting Points:** Locate the designated mounting points on your motorcycle's frame. These are typically existing engine or frame bolt locations.
3. **Initial Assembly (if applicable):** If the engine guard comes in multiple pieces, loosely assemble them according to the diagrams.
4. **Attach the Guard:**
    - Start with one side of the engine guard. Align the mounting points of the guard with the corresponding points on the motorcycle frame.
    - Insert the provided bolts, washers, and spacers as indicated in the product-specific diagrams (not provided here, but implied). Apply a small amount of thread-locking compound to the bolt threads before insertion.
    - Hand-tighten all bolts on one side. Do not fully tighten yet.
    - Repeat the process for the other side of the engine guard.
5. **Align and Tighten:** Once both sides are loosely mounted, ensure the engine guard is properly aligned and symmetrical. Gradually tighten all mounting bolts in a crisscross or alternating pattern to ensure even pressure. Refer to the specific torque specifications provided with your engine guard or your motorcycle's service manual.
6. **Final Check:** After all bolts are tightened to specification, double-check all connections. Ensure the engine guard does not interfere with any moving parts, cables, or hoses. Start the motorcycle and check for any unusual vibrations or noises.



Figure 1: SW-Motech Engine Guard installed on a motorcycle. This image illustrates the typical appearance and placement of the engine guard once mounted.



Figure 2: Another view of the engine guard, showing its integration with the motorcycle's frame.



Figure 3: A closer look at the engine guard's design and attachment points.

6. Operating Principles

The SW-Motech Engine Guard functions as a passive protective component. Once correctly installed, it provides a robust barrier designed to absorb impact energy and distribute forces away from critical engine and frame components during a fall or slide. It does not require any active operation.

7. Maintenance

- **Regular Inspection:** Periodically check all mounting bolts for tightness. Vibrations from motorcycle operation can cause fasteners to loosen over time.
- **Cleaning:** Clean the engine guard regularly with mild soap and water to remove dirt, grime, and road salt. Avoid abrasive cleaners or solvents that could damage the finish.
- **Damage Assessment:** After any incident (e.g., fall, collision), thoroughly inspect the engine guard for bends, cracks, or significant scratches. A damaged engine guard may compromise its protective capabilities and should be replaced.
- **Corrosion Protection:** If the finish is scratched or chipped, touch up with appropriate paint to prevent rust or corrosion, especially in areas exposed to moisture.

8. Troubleshooting

Problem	Possible Cause	Solution
Engine guard vibrates excessively.	Loose mounting bolts.	Check and tighten all mounting bolts to specified torque.
Engine guard interferes with motorcycle components.	Incorrect installation or alignment.	Re-check installation steps, ensuring proper alignment before tightening. Ensure correct spacers are used.
Unusual noises from the engine guard.	Loose fasteners or contact with other parts.	Inspect all mounting points and ensure no part of the guard is touching other motorcycle components.

9. Specifications

Feature	Detail
Brand	SW-Motech
Model Number	SBL.01.466.100
Manufacturer	SW-MOTECH Bags-Connection
Product Dimensions	1 x 1 x 1 cm (packaging/shipping dimensions, actual product dimensions vary)
Item Weight	8 kg
Position	Front (Engine Area)
GTIN (Global Trade Item Number)	04052572011478

10. Warranty and Support

For specific warranty information, please refer to the documentation provided with your purchase or visit the official SW-Motech website. In case of technical issues, missing parts, or questions regarding installation, please contact your authorized SW-Motech dealer or customer support directly.
SW-Motech Official Website: sw-motech.com

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