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## AXA 556650975140SC

# AXA Defender Frame Lock Instruction Manual

Model: 556650975140SC

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your AXA Defender Frame Lock. The AXA Defender is a robust bicycle security device designed for reliable protection. It features a childproof design, a universal mounting system, and is lightweight for convenience.



Image showing the AXA Defender Frame Lock, a black and silver bicycle lock, packaged with two keys. The packaging highlights features like 'Plug-in', 'Service', 'Bike Insurance', and a 'Safety Index 12'.

## 2. PACKAGE CONTENTS

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Please verify that all items are present in the package:

- 1 x AXA Defender Frame Lock
- 2 x Standard Keys

## 3. SETUP AND INSTALLATION

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The AXA Defender Frame Lock is designed for bicycles with threaded bosses on the rear stays. This is common on Dutch-style and shopper bikes. Installation typically requires basic tools and careful attention to ensure secure mounting.

### 3.1. Tools Required

- Small screwdriver
- Allen key (size to match mounting bolts, typically 5mm)

- Thread lock compound (recommended)
- 2 x 5mm x 12mm Allen head screws (not included)
- 2 x 5mm washers (not included)

### 3.2. Installation Steps

1. **Prepare the Lock:** Carefully remove the two small covers located over the mounting slots on the lock using a small screwdriver. Note that these covers are often marked 'L' and 'R' for left and right.
2. **Position the Lock:** Place the frame lock over the rear wheel of your bicycle, aligning the mounting slots with the threaded bosses on your bike's frame. Hold it in place to determine which screw slots on the lock best align with your frame's bosses.
3. **Secure the First Screw:** Take one of the 5mm x 12mm Allen head screws and place a 5mm washer onto it. Apply a small amount of thread lock compound to the screw threads. Using the Allen key, carefully insert the screw through the chosen slot on the lock and into the threaded boss on the bike frame. Ensure not to cross-thread. Tighten lightly.
4. **Secure the Second Screw:** Repeat the process for the second screw, washer, and thread lock. Insert it through the corresponding slot and into the second threaded boss. Tighten lightly.
5. **Center and Tighten:** With both screws lightly in place, visually center the lock over the wheel. Once satisfied with the positioning, firmly tighten both screws using the Allen key.
6. **Replace Covers:** Reattach the two covers over the mounting slots. Ensure they are placed correctly (left and right).

**Note:** Installation may take approximately 15 minutes. If you are unsure about the process, it is recommended to seek assistance from a professional bicycle mechanic.

## 4. OPERATING INSTRUCTIONS

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The AXA Defender Frame Lock is designed for straightforward operation.

### 4.1. Locking the Bicycle

1. Ensure the key is inserted into the lock cylinder.
2. Push the locking lever or shackle downwards until it clicks into place, securing the wheel. The key will remain in the lock when it is in the unlocked position.
3. Once locked, the key can be removed.

### 4.2. Unlocking the Bicycle

1. Insert the key into the lock cylinder.
2. Turn the key to release the locking mechanism. The shackle will spring open.
3. The key will remain in the lock until it is locked again.

### 4.3. Key Management

The AXA Defender Frame Lock comes with standard keys. An online key service may be available for ordering replacement keys. Refer to the AXA website for details on this service.

**Plug-in Chain Compatibility:** The lock is designed to accept an optional plug-in chain (sold separately) for extended security. The chain plugs into a dedicated port on the side opposite the key cylinder when the lock is engaged.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and reliable operation of your AXA Defender Frame Lock.

- **Cleaning:** Periodically clean the exterior of the lock with a damp cloth. Avoid harsh chemicals that could damage the plastic or metal components.
- **Lubrication:** Apply a small amount of lock lubricant (e.g., graphite-based or silicone spray) into the keyhole and the moving parts of the locking mechanism once or twice a year, or if operation becomes stiff. Do not use oil-based lubricants as they can attract dirt.
- **Check Mounting:** Regularly inspect the mounting screws to ensure they remain tight. Loose screws can compromise security and potentially interfere with the bicycle's spokes.

## 6. TROUBLESHOOTING

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If you encounter issues with your AXA Defender Frame Lock, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lock mechanism is stiff or difficult to operate.	Lack of lubrication, dirt/debris in mechanism.	Apply lock lubricant to the keyhole and moving parts. Clean any visible debris.
Key does not turn or insert smoothly.	Bent key, wrong key, debris in keyhole.	Ensure you are using the correct, undamaged key. Clean the keyhole with compressed air if debris is suspected. Do not force the key.
Lock feels loose on the bicycle frame.	Mounting screws are loose.	Tighten the mounting screws securely using an Allen key. Consider reapplying thread lock.
Lock does not engage/disengage fully.	Misalignment, internal mechanism issue.	Check for proper alignment over the wheel. If the issue persists after lubrication, contact AXA support.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	AXA
Model Number	556650975140SC
Lock Type	Key Lock (Frame Lock / Ring Lock)
Special Feature	Light Weight, Childproof, Universal Mounting
Material	Plastic
Color	Black
Item Dimensions (L x W x H)	6.3 x 5.51 x 1.57 inches (16 x 14 x 4 cm)
Item Weight	500 Grams
Recommended Uses	Bicycle security
Included Components	1 x ring lock

## 8. WARRANTY AND SUPPORT

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For warranty information, please refer to the official AXA website or contact your retailer. Warranty terms and conditions may vary by region and purchase location.

For technical support or inquiries regarding the online key service, please visit the official AXA support channels or contact their customer service department.