eKa | CyberLock®

Disassembly and Greasing Instructions

Oval Format CyberLocks

Introduction

This manual is designed to aid qualified technicians in performing maintenance and repairs on CyberLock cylinders in the field. It includes instructions for service and a parts layout drawing.
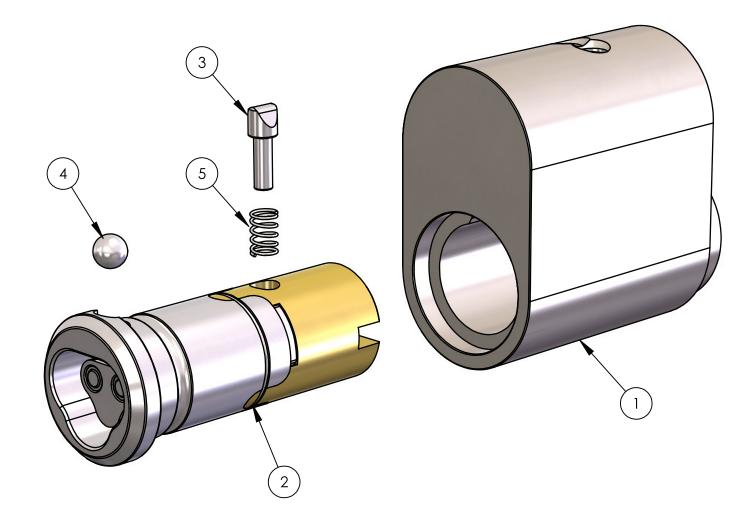
> **Important:** Under no circumstances should any person without sufficient experience attempt to perform repairs, as damage to the cylinder may result, voiding the product warranty. EKA CyberLock assumes no responsibility for any damage.

If, after review of this document, the procedures appear too complex, or the necessary technical knowledge or expertise is not available, it is recommended that the equipment be sent to EKA CyberLock for service.

It is important that those repairing Videx equipment in the field provide feedback by describing any problems or difficulties they experience during field service. Repair feedback should be provided to the EKA CyberLock Technical Support Department.
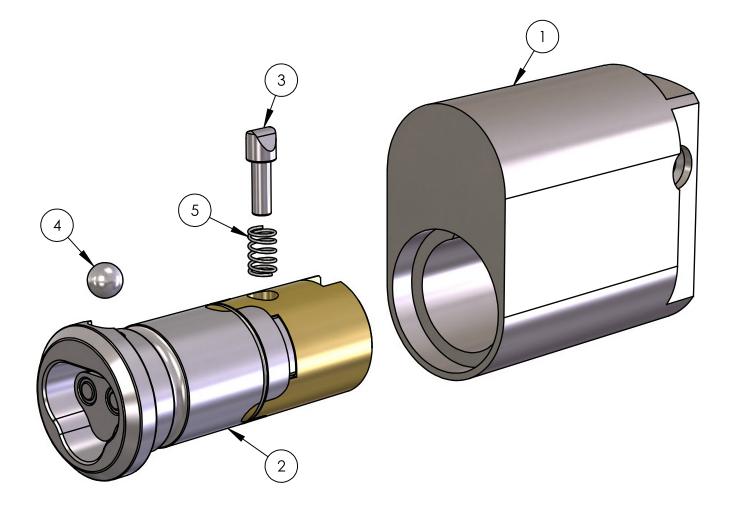
Parts Layout Drawings

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	HDM403	SHELL, SCANDINAVIAN OVAL	1
2	N/A	CORE ASSEMBLY	1
3	HDM212	LOCK PIN	1
4	HDM236	BALL BEARING, 3.5mm, 302 STAINLESS STEEL, GRADE 200	1
5	HDM1000	LOCK PIN SPRING, .116 OD X .249 LENGTH, SS	1

Parts Layout Drawings

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	HDM251	OVAL 570 MORTISE SHELL	1
2	N/A	CORE ASSEMBLY	1
3	HDM212	LOCK PIN	1
4	HDM236	BALL BEARING, 3.5mm, 302 STAINLESS STEEL, GRADE 200	1
5	HDM1000	LOCK PIN SPRING, .116 OD X .249 LENGTH, SS	1

Disassembly Instructions

1. Remove the core assembly from the lock shell. See Figure 1.

2. Using a clean cloth, remove all grease and debris from the core assembly and the inner bore of the shell.
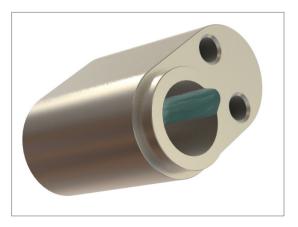

Figure 1: Remove Core Assembly

3. Remove all grease and debris from the lock pin pocket at the rear of the shell. See Figure 2

Figure 2: Remove Grease From Pocket

4. Remove the lock pin and lock pin spring from the core assembly and clean off any grease and debris. See Figure 3.

Figure 3: Remove, Clean Pin and Spring

Greasing Instructions

5. Inspect ball bearing and lock pin holes for dirt and debris. Blow out the holes with compressed air, or clean using a fine cotton swab. See Figure 4.

> *Note: If debris is seen on the solenoid plunger, the core assembly must be taken apart and cleaned. Return the lock to EKA CyberLock for service.*
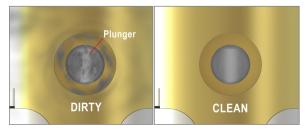

Figure 4: Clean Out Lock Pin Hole

6. Apply a thin film of CRC 3120 marine grease **(fully coating the surface, but thin enough to see through)** from just behind the ball bearing hole to the snap ring groove, as shown in Figure 5. Do not apply grease to the ball bearing hole. All areas of the grease layer around the electronics module should be translucent.

7. Apply grease in the same manner from the rear end of the core assembly to within 1/8" from the lock pin hole. See Figure 5.

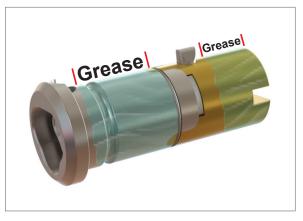8. Install the lock pin spring, larger end first, the lock pin, and the ball bearing.

Figure 5: Apply Grease to Core Assy.

9. Apply a thin layer of marine grease **(as thin as possible, but not thin enough to see through)** to the lock pin pocket of the shell. See Figure 6.

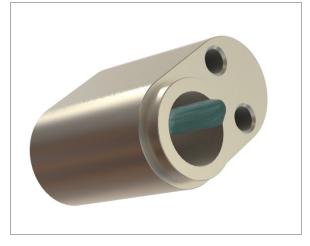> *Note: Applying too much grease will interfere with proper lock operation, and may cause failure!*
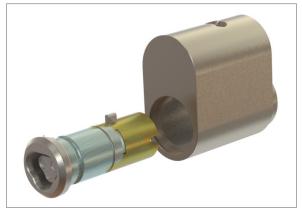

Figure 6: Apply Grease to Pin Pocket

Greasing Instructions

10. Use a CyberKey® to reinstall the core assembly into the shell. See Figure 7.

> Hint: Increase the key's solenoid hold time to allow more assembly time.

11. Test the lock using a dummy (non-functioning) CyberKey to ensure that the lock will not open.

12. Test the lock using a functioning CyberKey to ensure that it operates properly.

Figure 7: Reinstall Core Assembly

For further questions and assistance, please contact EKA CyberLock Support by email at ekasupport@locks.com.au or by calling AUS: 1300 722 311 or NZ: +64 (0) 9 368 4802