

FCC statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

No changes shall be made to the equipment without the manufacturer's permission as this may void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ISED Canada statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Déclarations d'ISDE Canada

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage.
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Exposure information

This equipment complies with ISED Canada and FCC radiation exposure limits set forth for an uncontrolled environment. It should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements d'ISDE Canada établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

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1. Introduction

Adorn ID100 is an electronic lock with RFID (*radio frequency identification*) technology, available for standalone and connected hardwired online solutions. This document describes the installation process of Adorn ID100. All dimensions in this manual (where applicable) are given in mm and inches.

Maintenance and troubleshooting are described in the Adorn user manual UM-ADORN-ID-001. Adorn ID100 is supported by the access control software's TilliT and Visionline, and the service tools TilliT service tool and LockService 3G for Visionline installation.

Make sure to always use the latest version of this document.

1.1 Important precaution before installation

The lock case contains several moving parts and mechanisms. To avoid malfunction it is of great importance that no dust, door material residue, oil or other contamination makes its way into the lock case body. Failure to follow this advice may lead to loss of warranty.

1.2 Marine Product Security Centre

We provide security information, e.g. best practices and advisories for our products and services, at [ASSA ABLOY Global Solutions Marine Security Centre](#). In case of any vulnerabilities impacting our products or services, we publish advisories in accordance with our responsible disclosure policy.

1.3 Network premise

If a connected online solution is applied, the installation should be on an isolated network.

2. Mortise doors

Before installing the lock in the door, the door and door frame must be mortised to fit this type of lock. The mortising should be based on the dimensions shown in the applicable cut-out. The position of the lock case (lock case centre line) must be set according to the ANSI standard and be level from the floor. *American Disabilities Act* (ADA) requirements demand a maximum of 1220 mm (48") height to the highest point of operation.

2.1 Cut-outs

The following tables list the cut-out drawings for *Adorn ID100* for metal doors (table 1). The drawings of the cutouts can be found in the referenced documents.

Table 1: Cutouts for metal doors

DESCRIPTION	DOCUMENT NUMBER
EURO WITH CYLINDER, OFFLINE	D000550046-210
EURO WITH CYLINDER, ONLINE	D000550046-212
ANSI DB WITH CYLINDER, OFFLINE	D000550046-206
ANSI DB WITH CYLINDER, ONLINE	D000550046-208

2.2 Mortise for lock case

Determine where the positioning of the lock case center line (CL) shall be and make the cut-out according to the applicable drawing for which numbers are given in table 1.

Important: The ANSI lock front can be delivered with a width of 32 mm (1.26"), 28 mm (1.102") or 25 mm (0.984"). Make sure that you mortise the door to the correct dimensions for your lock dimensions; check the dimensions before you start cutting.

Tools: Use a milling tool for the cut-out. For the corners of the lock front, hammer and chisel are needed.

2.3 Mortise for strike plate

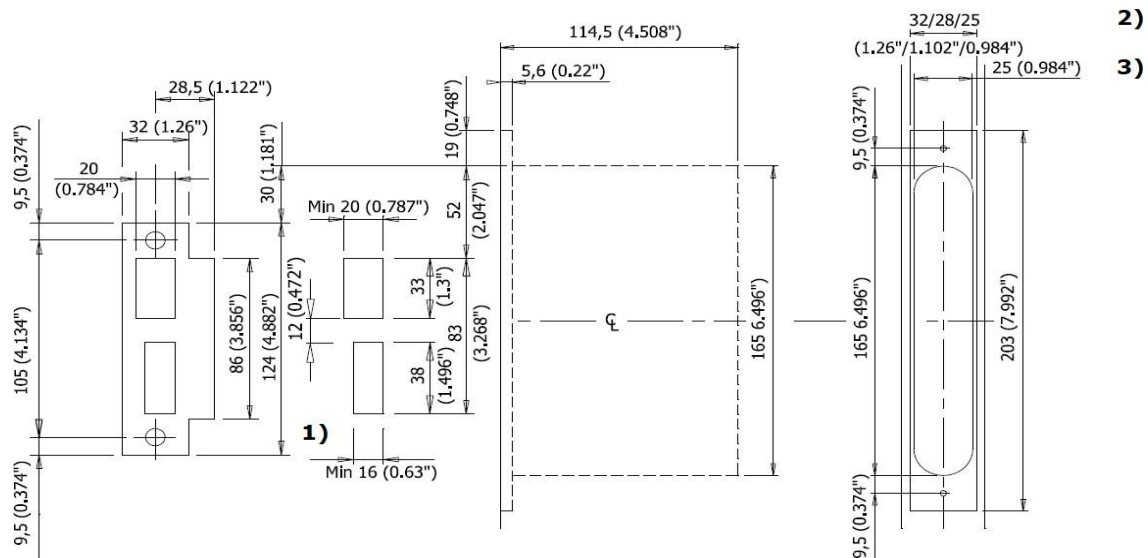


Figure 1: Positioning of ANSI DB standard strike plate. Note the dimension 30 mm (1.181'') from the edge of the lock case to the edge of the strike plate.

Before mortising for the strike plate, make sure to align the side template vertically and horizontally according to Figure 1 (ANSI DB). Use the center line (CL) for the lock case as a reference; CL is important for the positioning of the lock case, strike plate and escutcheon onto the doors. Horizontally, the B- or C- dimension will apply depending on the direction of the door and the center/ rebate orientation.

Caution: If the cut-out for the deadbolt is less than 25.4 mm (1'') deep, the deadbolt may not be retracted by use of a metal key in case of an emergency when the door is double locked (ANSI AUS = 0, ANSI JPN = 21).

Caution: Be aware if there is any door gasket. If so, compensation must be made by adjusting the horizontal positioning of the strike plate.

Important: If the strike plate is not used (example: metal frame), it is important that the distance between the latch (lower) cut-out and the deadbolt cut-out is minimum 12 mm (0,47'') in order for the auxiliary latch to work.

3.2.1 ANSI DB SPECIFIC PARTS

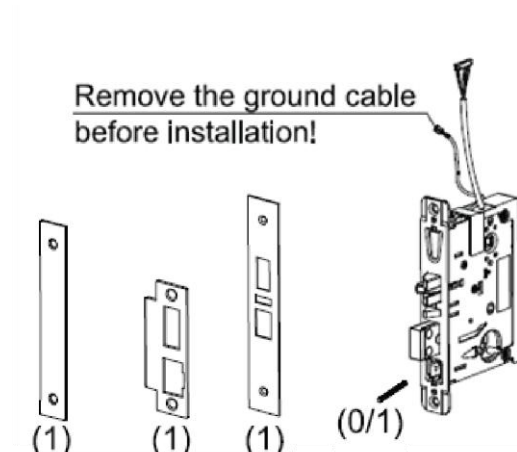


Figure 4: ANSI DB Specific parts.

3.2.2 EURO SPECIFIC PARTS

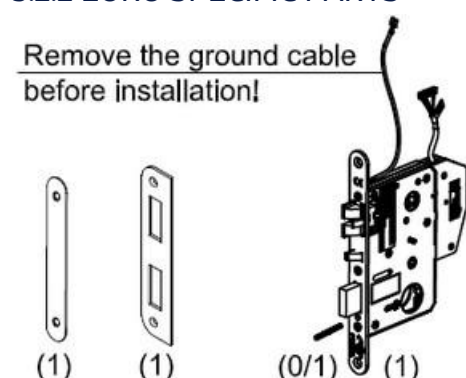


Figure 5: EURO Specific parts.

3.2.3 ONLINE PARTS

If it is a wired online installation, a MELI-E (figure 6) is used and mounted to the cassette. In this document, the installation of a MELI-E for Adorn ID100 is explained. Further instructions regarding the MELI-E are covered in the *MELI-E User manual, UM-MELI-E-001*.

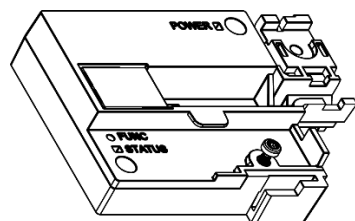


Figure 6: MELI-E

3.3 Exploded view

3.3.1 ANSI DB

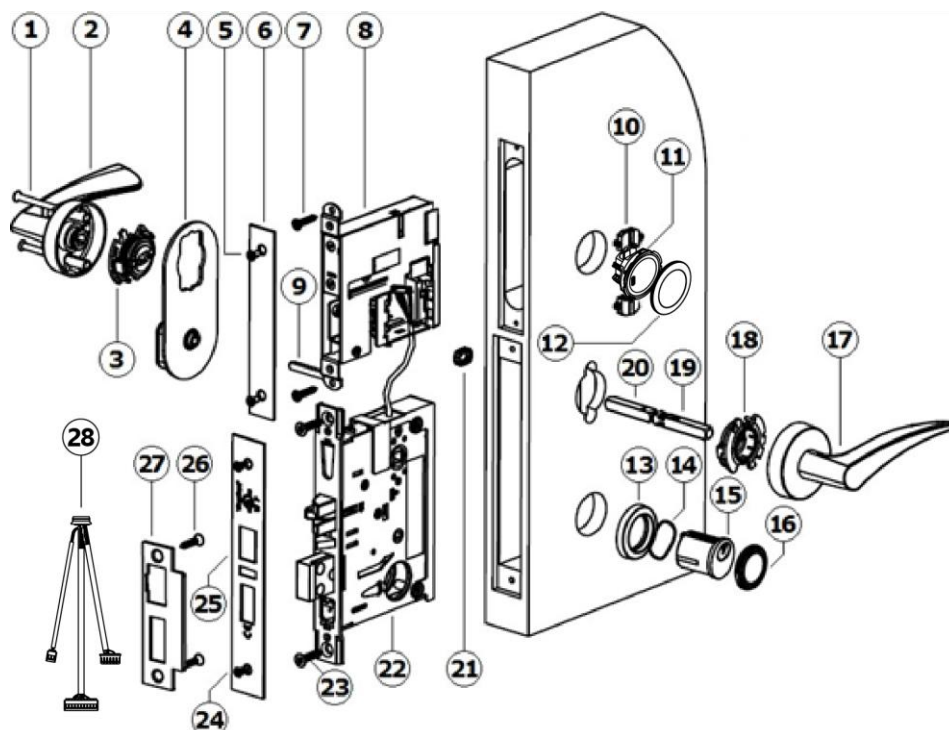


Figure 7: Components for an Adorn ID100 lock, ANSI DB variant with cylinder. Note that the cable and battery pack are already pre mounted in the cassette, and that the batteries are not included in this exploded view but is part of the installation.

Table 2: Complete list of parts for an Adorn ID100 ANSI DB lock.

Pos	Description	Pos	Description
1	Screw Signature M5	15	Cyl 5-lev Std thread front prof R Cyl 5-lev A ADB thread front prof R Cyl 5-lev E ADB thread front prof R
2	Handle on inside rose Signature	16	Cylinder sealing assy
3	Handle retainer Signature	17	Handle on outside rose Signature
4	Escutcheon thumbturn Signature	18	Handle retainer Signature
5	Screw, M4x5	19	Spindle handle male Signature
6	Front for Cassette	20	Spindle handle female Signature
7	Screw I (different for wood and metal)	21	Spindle locking clip
8	Cassette with cable	22	Lock case ANSI DB
9	Thumbturn spindle Signature	23	Screw II (different for wood and metal)
10	Spacer	24	Screw, M4x5
11	Adorn reader with gear rack	25	Lock front ANSI
12	Adorn cover	26	Screw 5,00x12 st 4,8 Zinc color . Screw 5,00x12 st 4,8 Yellow color Screw, wood, countersunk, 5x25mm, Metal zinc color Screw, wood, countersunk, 5x25mm, Metal yellow color
13	Cylinder rose	27	Strike plate ANSI
14	Spring cylinder rose Signature	28	Adorn Cable

3.3.2 EURO

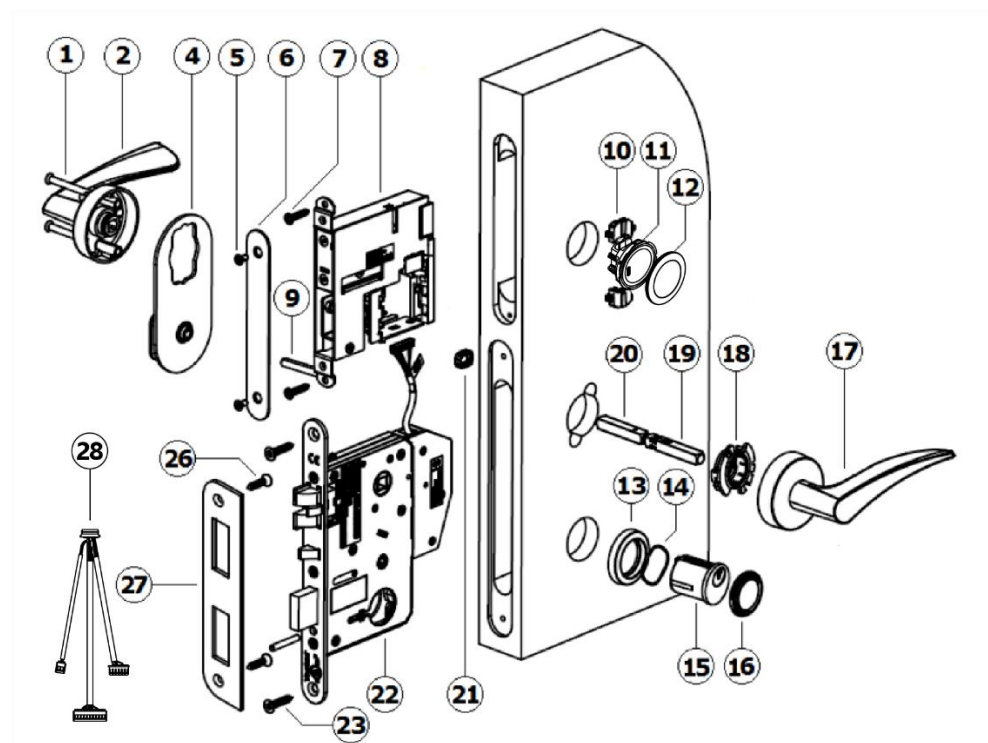


Figure 8: Components for an Adorn ID100 lock, EURO variant with cylinder. Note that the cable and battery pack are already pre mounted in the cassette, and that the batteries are not included in this exploded view but is part of the installation.

Table 3: Complete list of parts for an Adorn ID100 EURO lock.

Pos	Description	Pos	Description
1	Screw Signature M5	15	Cyl 5-leve Std thread front prof R Cyl 5-leve A ADB thread front prof R Cyl 5-leve E ADB thread front prof R
2	Handle on inside rose Signature	16	Cylinder sealing assy
4	Escutcheon thumbturn Signature	17	Handle on outside rose Signature
5	Screw, M4x5	18	Handle retainer Signature
6	Front for Cassette	19	Spindle handle male Signature
7	Screw I (different for wood and metal)	20	Spindle handle female Signature
8	Cassette with cable	21	Spindle locking clip
9	Thumbturn spindle Signature	22	Lock case EURO
10	Spacer	23	Screw II (different for wood and metal)
11	Adorn reader with gear rack	26	Screw 5,00x12 st 4,8 Zinc color . Screw 5,00x12 st 4,8 Yellow color Screw, wood, countersunk, 5x25mm, Metal zinc color Screw, wood, countersunk, 5x25mm, Metal yellow color
12	Adorn cover	27	Strike plate EURO
13	Cylinder rose	28	Adorn Cable
14	Spring cylinder rose Signature		

4. Installation instructions

4.1 Complete lock

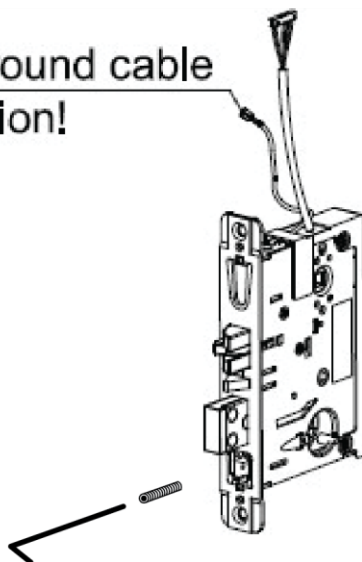
Following steps describes how Adorn ID100 is installed. The instructions are based on standalone installations, with additional instructions for a hardwired connected online solution. The position numbers in bold refer to the exploded views in section 3.

Adorn ID100 is available for online configurations in wired environments by installing a MELI-E Ethernet module in the cassette. To install an online configuration, follow the steps described below and apply the steps described as **Online** in the instructions. If it is an offline installation, skip the steps marked as online.

Important: Do not close the door before the lock has been installed and tested.

4.1.1 INSTALLATION PART ONE – LOCK CASE

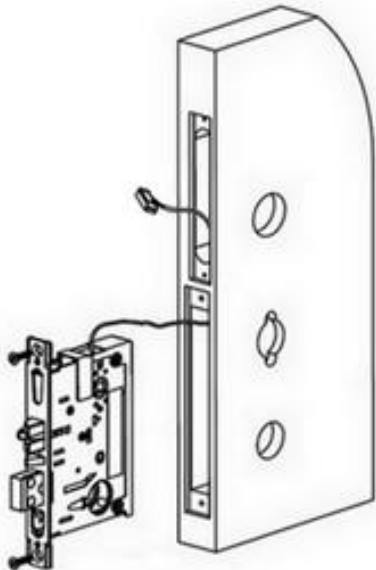
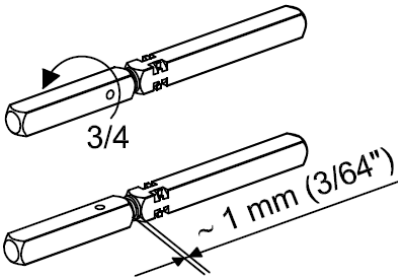
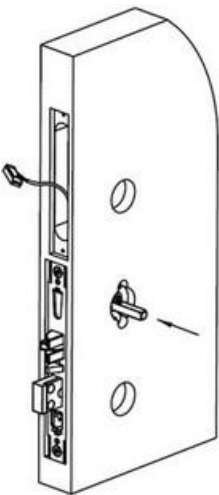
Remove the ground cable
before installation!

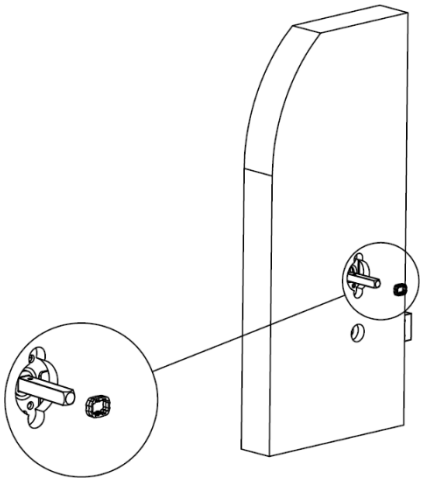
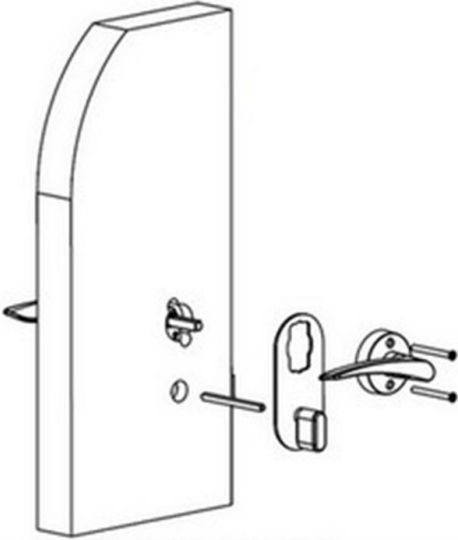


Lock case preparation:

1. Remove the ground cable from the ANSI DB / EURO lock case.
2. Remove metal cover from the cylinder cutout.
3. Mount the cylinder fastening screw by inserting the 2 mm Unbrako into the screw, and insert the screw in the hole facing towards the outside of the door.

Note: Do not tighten the cylinder fastening screw just yet.

	4. Position the cables into the door before inserting the lock case (22). The cable should go through the cutout and be pulled out in the cutout for the cassette. <u>Important:</u> Do not lubricate the lock case. <u>Important:</u> If installing on a metal door, make sure that the hole where the cable will pass through the door has no metal burrs that can damage the cable. 5. Position the lock case into the edge of the door and fasten it with two screws (23); different type for wooden door and metal door).
	6. The <i>spindle handle female Signature (20)</i> is at delivery screwed onto the <i>spindle handle male Signature (19)</i> and greased. Make sure that the spindles are reversed 3/4 turn.
	7. Insert the spindles into the lock case from the outside of the door so that the hole that goes through the spindle handle is visible on the inside (room side) of the door. <u>Note:</u> The spindle handle marked 'EXT' must be facing the outside of the door.

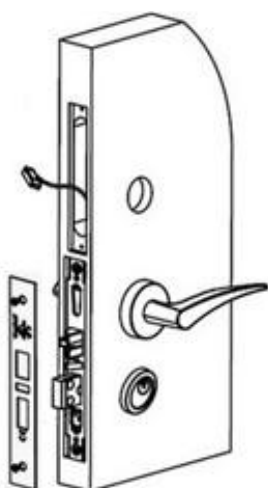
	8. Thread the <i>spindle locking clip</i> (21) onto the <i>spindle handle female Signature</i> (20; on the inside of the door) by squeezing hard on the <i>spindle locking clip</i>. Thread the <i>spindle locking clip</i> so that it clicks onto the holes in the spindle.
	9. Insert the thumbturn spindle Signature (9) into the lock case from the inside. The marked end on the spindle handle must be inserted into the thumbturn knob. <u>Important:</u> For ANSI DB the thumbturn knob should be pointing downwards. 10. Insert the inside and outside handle including the <i>handle retainer Signature</i> (3) onto the spindle handle. Fasten the handles together using screws Signature M5 (1).



11. Thread the spring cylinder rose Signature (14) onto the cylinder (15; see full names of the cylinder variants here) from the cylinder-arm side.

Insert the cylinder into the cylinder rose. Use a key and screw the cylinder into the lock case. Tighten the cylinder until the cylinder rose is tight to the door. Fix the cylinder into the lock case. Fixate cylinder fastening screw with the 2 mm Unbrako.

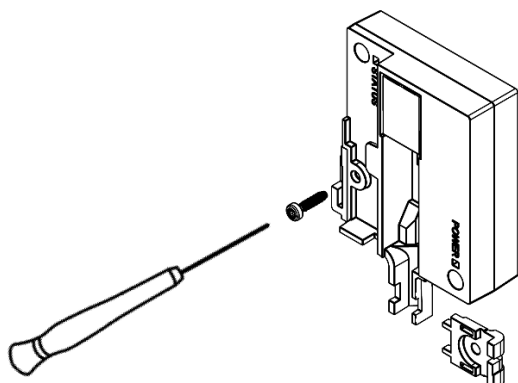
Note: The keyhole should always point towards the handle.



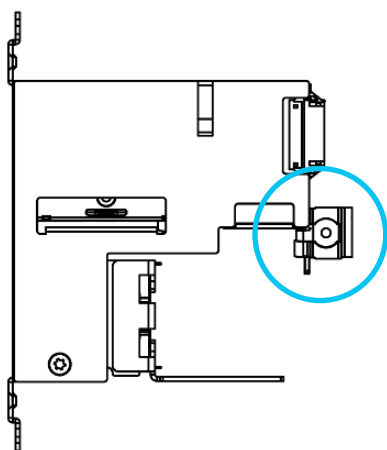
12. After installation of the cylinder, fix the face plate to the lock case.

Note: Try to push down the handle and turn the deadbolt back and forth to make sure the plate is placed correctly.

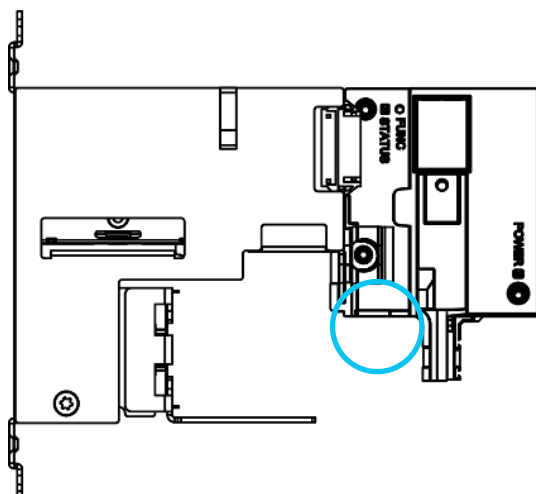
4.1.2 INSTALLATION PART TWO – CASSETTE

**13. Online only**

Remove the small plastic piece on the MELI-E by pulling it gently, and use a T10 Torx screw driver to remove the screw on the MELI-E.

**14. Online only**

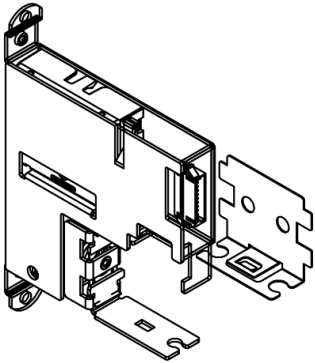
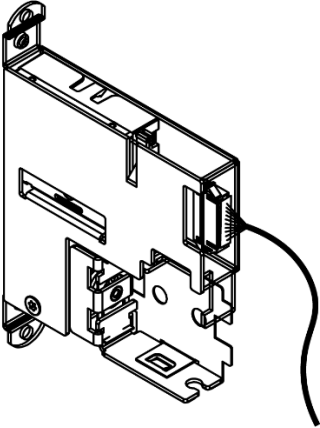
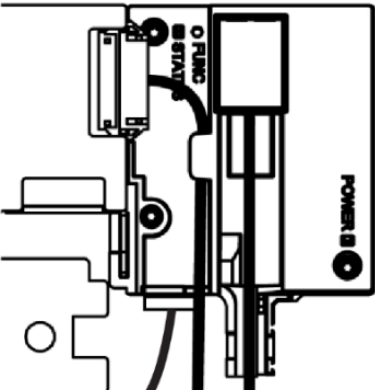
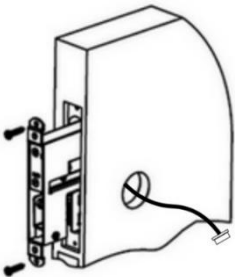
Place the small plastic piece on the edge of the cassette.

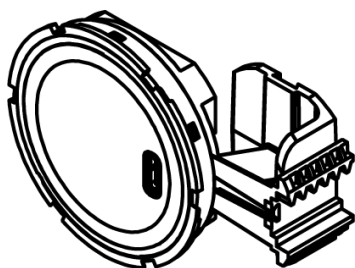
**15. Online only**

Place the MELI-E on the metal edge of the cassette from below.

Attach the MELI-E to the plastic piece with the screw from the MELI-E (Using Torx T10) according to picture.

Connect MELI-E cable output from the Adorn cable to the marked input.

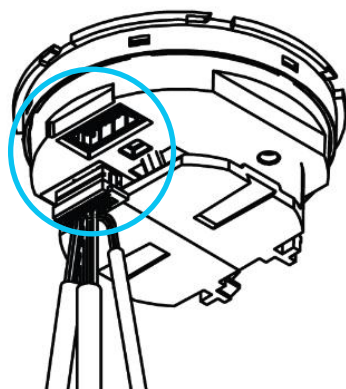
	16. Depending on whether the handing is left or right, the fire shield plate shall be attached on the opposite side of the Adorn reader (the drawing shows right handing).
	17. Connect the lock case cable to the cassette. <u>Important before mounting the cassette in the door:</u> Make sure that the Adorn cable is well positioned, to avoid pinching of the cable. Note that the Adorn cable cannot be connected until in step 23.
	<u>19. Online only</u> Connect the Ethernet cable from the door leaf to the Ethernet input in MELI-E and place the ethernet cable in the intended slot. Route the lock case cable straight downwards from the connector through the intended slot.
	20. Insert the cassette into the door and pull the end of the Adorn cable out through the Reader cutout on the outside of the door.



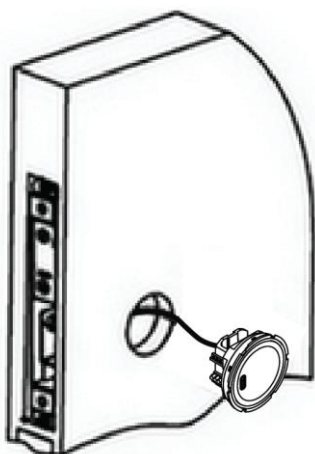
21. Slide the Adorn reader onto the gear rack until you hear a click.

Note: Once the reader is mounted to the gear rack, it cannot be removed.

22. If necessary, add spacers to increase the length of the gear rack. It is two halves sliding into the slot on the back of the module. The two halves will meet and by a “snap-lock” functionality lock onto the module. Additional spacers can be added on top of the other spacers.

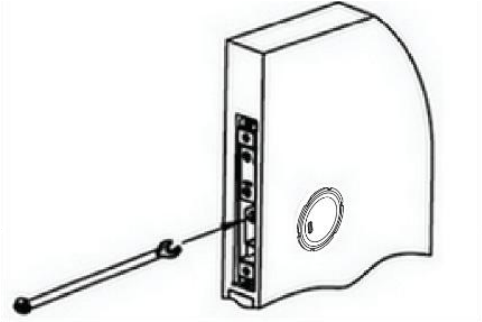
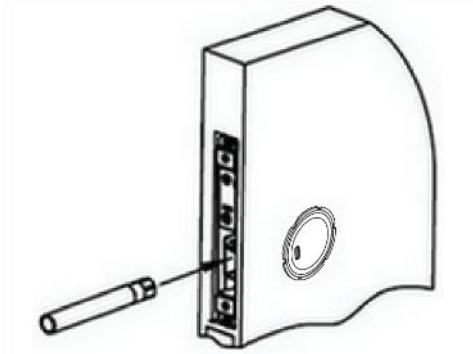
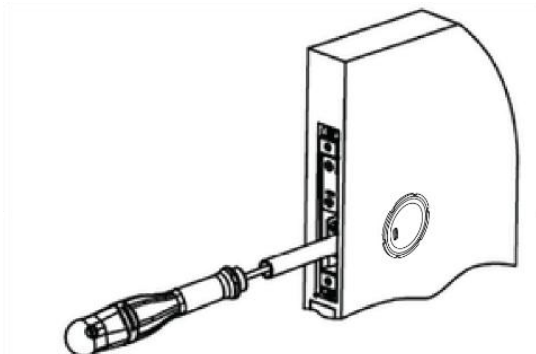
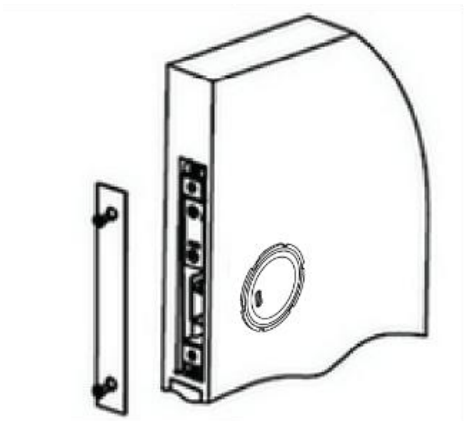


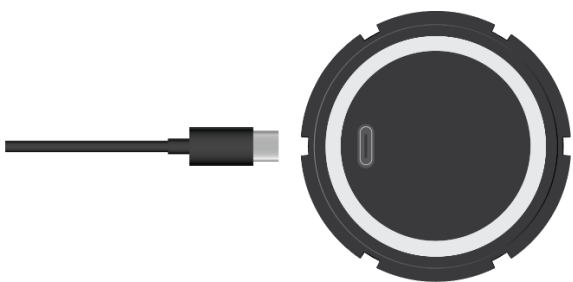
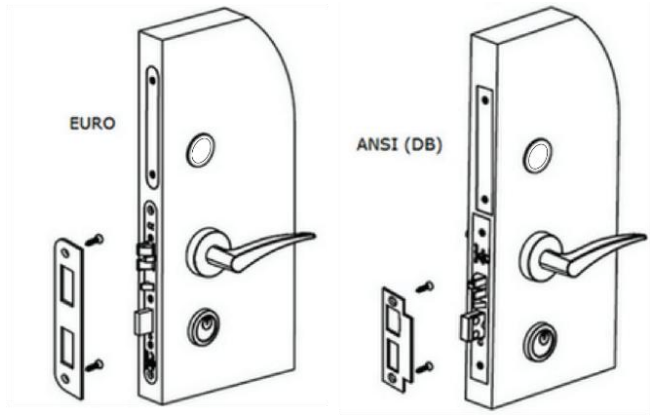
23. Connect the Adorn cable from the cassette to the Adorn reader.



24. Adjust the bracket in order to enter the reader module against the sprocket. Make sure the gear rack holder attaches to the gear rack that is part of the cassette.

Important: Arrange the cables to prevent pinching them.

	25. Fasten the bracket with the wrench (8 mm). <u>Note:</u> Tighten gently.
	26. When the reader has entered the bracket, use the hexagon socket to turn the sprocket in order to pull the reader in place. <u>Note:</u> Tighten gently with hand force only.
	27. When the reader is pulled all the way into the door leaf, fasten the screw in the center of the sprocket by using a Pozidriv 2 screwdriver. <u>Note:</u> Tighten gently with hand force only.
	28. Fix the face plate of the cassette.

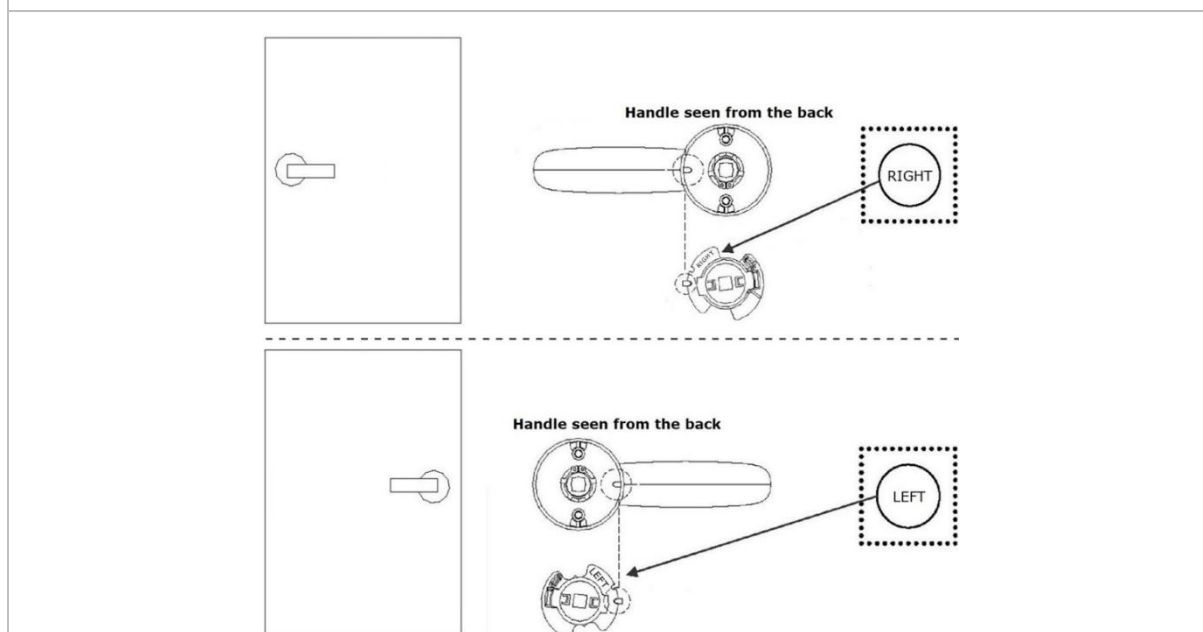
	29. Initiate lock through connecting a service tool and follow the steps described in respective service tool manual. For TilliT installations, use TilliT service tool. For Visionline installations, use Lockservice 3G.
	30. Put the Adorn cover on the reader and turn it slightly (~3mm) clockwise. Note: If there is a printed logo, make sure it is placed in the right direction.
	Install the strike: 31. To install the strike: The depth in the frame must be sufficient (min 25.4 mm/1"; may vary depending on market) for throwing the deadbolt.
32. Perform a hardware check of the lock; see chapter 5. Important: Do not close the door before the lock has been tested. Note: If cylinder with cap is used, the installation of the cap should be the last operation in the mounting of the lock.	

4.2 Spare parts installation

4.2.1 HANDLE RETAINER

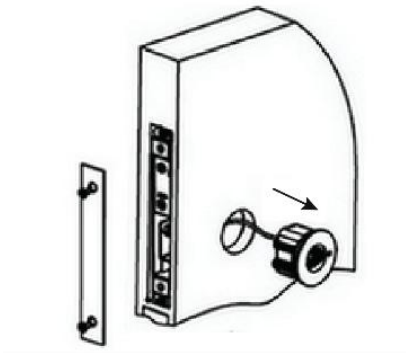
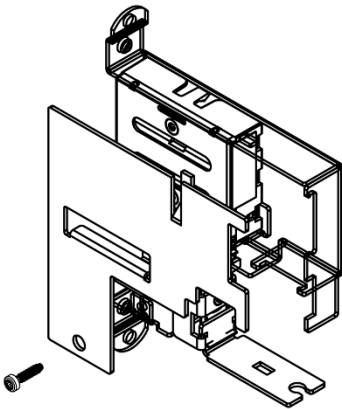
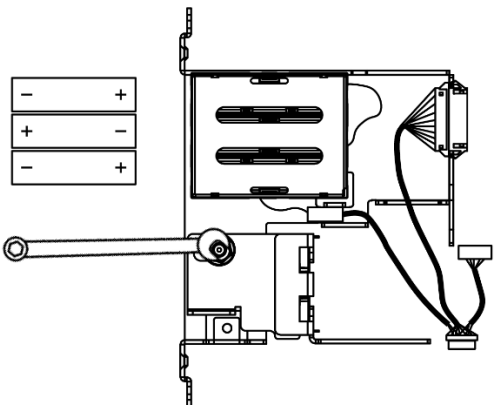
At delivery, the *handle retainers Signature* (**3** and **18**) are normally mounted into the *handle on inside rose Signature* (**2**) and *handle on outside rose Signature* (**17**) respectively. If a handle retainer is e.g. purchased as a spare part, it must however be prepared according to the below description.

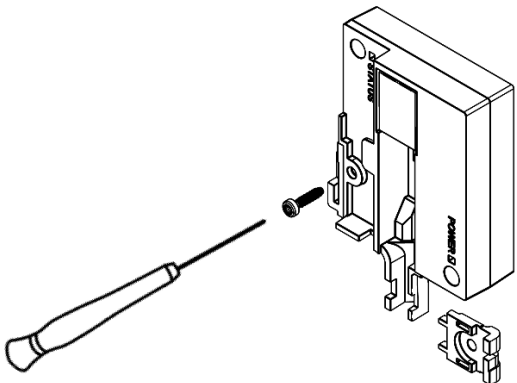
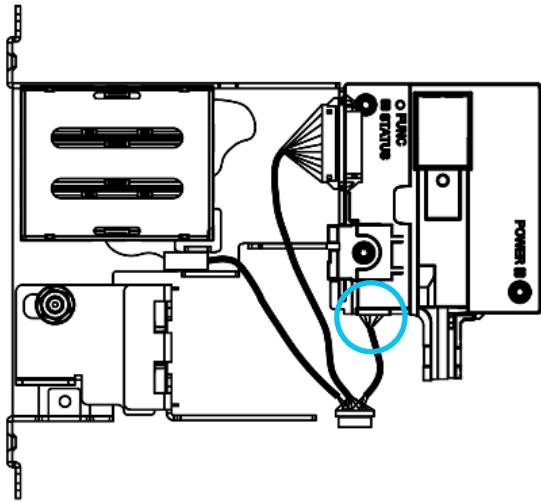
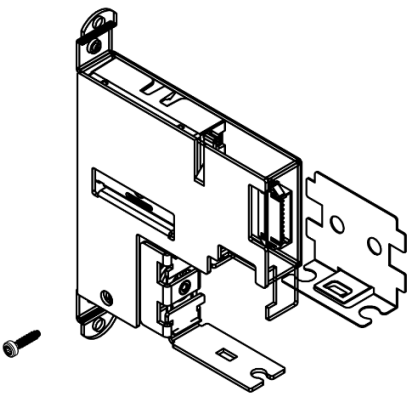
- If the handle is a right handle, i.e. when standing in front of the door the handle is pressed to the right of the rose with your right hand, the *right handle retainer*Signature* (black and white, and marked 'RIGHT') should be mounted in the handle.
- If the handle is a left handle, i.e. when standing in front of the door the handle is pressed to the left of the rose with your left hand, the *left handle retainer*Signature* (white and marked 'LEFT') should be mounted in the handle.
- In both the above cases, make sure that the *handle retainer*Signature* is in the correct notch; ANSI or EURO. **Important:** The handle retainer must be checked so that it is in the "click" position within the groove on the shank of the handle.
- If the handle retainer 'RIGHT' is used for the outside handle, mount the handle retainer 'LEFT' in the inside handle.
- If the handle retainer 'LEFT' is used for the outside handle, mount the handle retainer 'RIGHT' in the inside handle.

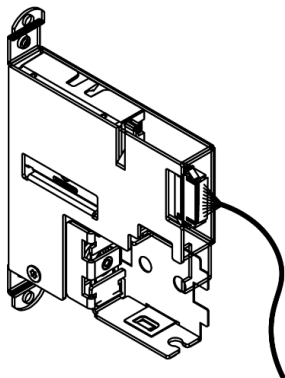
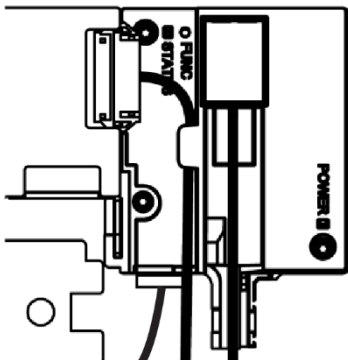
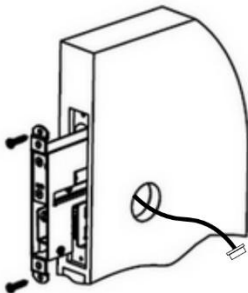
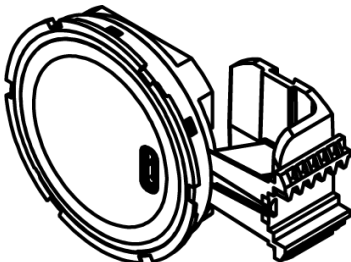


4.2.2 REPLACING READER MODULE

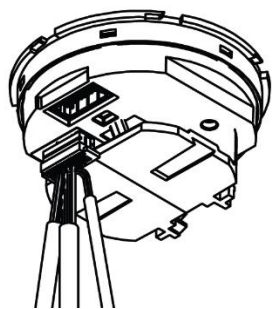
Following steps are applicable for upgrades from Essence to Adorn ID100, where all parts except the Essence LCU, LCA, cable and cover are kept.

	1. Remove the Essence cover by turning it counterclockwise and take out the Essence reader from the cutout. 2. Remove the cassette face plate.
	3. Bring out the cassette from the door and remove the screw marked in the picture with a Torx 20 screwdriver. Lift the metal hood. 4. Unplug the battery cable, and remove the cable and the LCA (electronic part next to the battery case, connecting the cables).
	5. Connect the Adorn cable to the battery cable, and place the lock case connector as in the picture, with the connectors facing down. 6. Insert 3 pcs AA alkaline batteries (included at delivery) in the battery pack. 7. Loosen the bracket with a wrench (8 mm) until it moves freely.

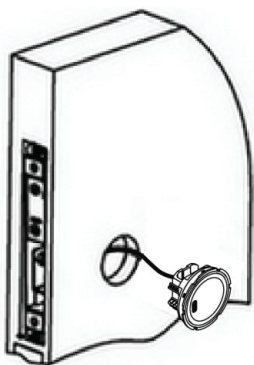
	<u>8. Online only</u> Remove the small plastic piece on the MELI-E by pulling it gently, and use a Torx T10 screw driver to remove the screw on the MELI-E.
	<u>9. Online only</u> Place the MELI-E on the metal edge of the cassette from below. Put the small plastic piece that was removed previously and attach with the screw (Using Torx T10) according to picture. Connect MELI-E cable output from the Adorn cable to the marked input.
	10. Put the metal hood back on the cassette and mount the previous installed screw with a Torx T20. 11. Depending on whether the handing is left or right, the fire shield plate shall be attached on the opposite side of the Adorn reader (the drawing shows right handing).

	12. Connect the lock case cable to the cassette. <u>Important before mounting the cassette in the door:</u> Make sure that the Adorn cable is well positioned, to avoid pinching of the cable. Note that the Adorn cable cannot be connected until in step 17.
	<u>13. Online only</u> Connect the Ethernet cable from the door leaf to the Ethernet input in MELI-E and place the ethernet cable in the intended slot. Route the lock case cable straight downwards from the connector through the intended slot.
	14. Insert the cassette into the door and pull the end of the Adorn cable out through the Reader cutout on the outside of the door.
	15. Slide the Adorn reader onto the gear rack until you hear a click. <u>Note:</u> Once the reader is mounted to the gear rack, it cannot be removed.

16. If necessary, add spacers to increase the length of the gear rack. It is two halves sliding into the slot on the back of the module. The two halves will meet and by a “snap-lock” functionality lock onto the module. Additional spacers can be added on top of the other spacers.

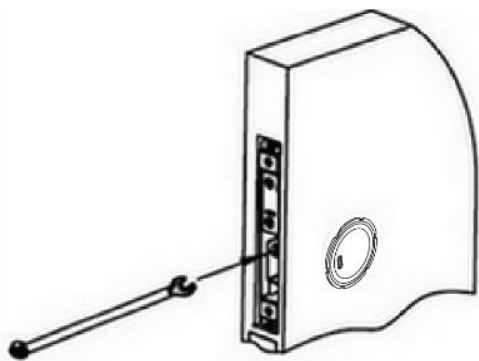


17.Connect the Adorn cable from the cassette to the Adorn reader.



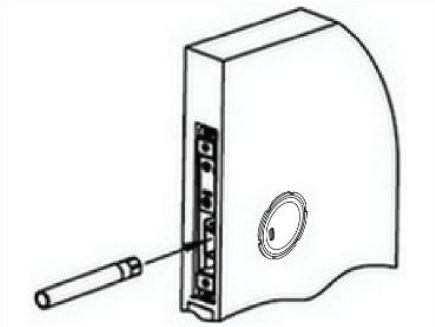
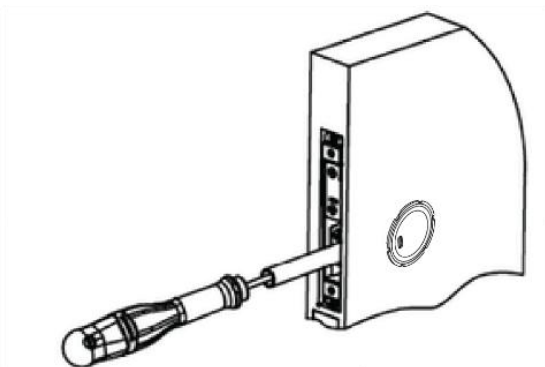
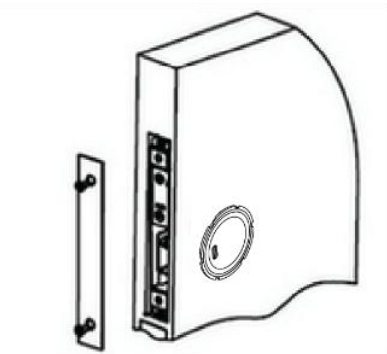
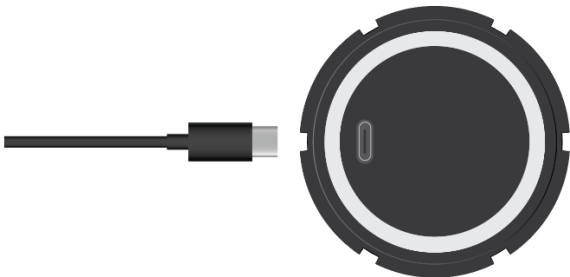
18. Adjust the bracket in order to enter the reader module against the sprocket.

Important: Arrange the cables to prevent pinching them.



19. Fasten the bracket with the wrench (8 mm).

Note: Tighten gently.

	20. When the reader has entered the bracket, use the hexagon socket to turn the sprocket in order to pull the reader in place. Note: Tighten gently with hand force only.
	21. When the reader is pulled all the way into the door leaf, fasten the screw in the center of the sprocket by using a Pozidriv 2 screwdriver. Note: Tighten gently with hand force only.
	22. Fix the face plate of the cassette.
	23. Initiate lock through connecting a service tool, and follow the steps described in respective service tool manual. For TilliT installations, use TilliT service tool. For Visionline installations, use Lockservice 3G.



24. Put the Adorn cover on the reader and turn it slightly (~3mm) clockwise.

Note: If there is a printed logo, make sure it is placed in the right direction.

25. Perform a hardware check of the lock; see chapter 5.

Important: Do not close the door before the lock has been tested.

Note: If cylinder with cap is used, the installation of the cap should be the last operation in the mounting of the lock.

5. Hardware check

The steps in sections 5.1-5.3 do not require that the locks have been commissioned. The steps in this checklist can be performed with an open door, or when standing on the inside of the door. Avoid closing the doors before commissioning is done. After commissioning the lock, some additional checking steps are needed; see the respective commissioning manual. Alternatively, a complete check of the lock (hardware check and configuration check) can be done after commissioning.

5.1 Installation check

- *Lock mortise*: The front-end (including the lock case cover plate) should be flush with the door edge.
- *Cylinder*: The cylinder should be flush with the door and properly fixed.
- *Strike*: The depth in the frame must be sufficient, min. 25.4 mm/1" (may vary depending on market), to accommodate the full thrown deadbolt.

5.2 Operational check

- *Outside and inside handles*: The handles must return to horizontal position after being depressed (outside handle can only be depressed slightly as the lock is in locked position).
- *Thumbturn*: The thumbturn must throw and retract the deadbolt freely.
Note: When installing ADB lock case, the thumbturn cannot retract the deadbolt. The trigger will throw the deadbolt if it is depressed.
- *Cylinder*: When using an emergency key (EMK), latch and deadbolt must freely operate.
- *Latch and deadbolt*: When the deadbolt has been retracted by the thumbturn and the inside handle is fully depressed, deadbolt and latch should be flush with the lock case cover plate.

5.3 Security function check

- *Dead latch function*: When depressing the locking latch, the latch should be blocked. Make sure the latch is not snagged by the strike when the door is closed.
- *Panic release function*: When the door is closed and the deadbolt is thrown, depress the inside handle. The deadbolt and the latch must be retracted.
- Make sure that the deadbolt can be fully thrown (no obstacles) when the door is in the frame.

6. Site survey

Before any order is placed, a site survey must be performed. Details which are determined during the site survey are e.g.

- length of screws, pins and cylinders
- opening direction
- lock case type
- lock case dimensions
- strike plate

A thorough and accurate site survey for every door is essential for the successful execution of the order and the installation itself. Table 4 can be used to find part dimensions.

Table 4: Part dimensions.

2 Screw, Roses	
	
A-dim.	Length
34-41 mm	58 mm
42-49 mm	66 mm
50-57 mm	74 mm
58-65 mm	82 mm
66-73 mm	90 mm
74-81 mm	98 mm
82-89 mm	106 mm
90-97 mm	114 mm
98-105 mm	122 mm
106-113 mm	130 mm
114-121 mm	138 mm

Cylinder ring w.o. Sealing		
		
B-dim.	Length	Ring
16-18 mm	34 mm	15,5 mm
19-22 mm	34 mm	11,5 mm
23-26 mm	34 mm	8 mm
27-31 mm	42 mm	11,5 mm
32-34 mm	42 mm	8 mm
35-39 mm	50 mm	11,5 mm
40-43 mm	50 mm	8 mm
44-47 mm	58 mm	11,5 mm
48-51 mm	58 mm	8 mm
52-55 mm	66 mm	11,5 mm
56-59 mm	66 mm	8 mm

Cylinder ring w. Sealing		
		
B-dim.	Length	Ring
16-18 mm	34 mm	21,5 mm
19-22 mm	34 mm	17,5 mm
23-26 mm	34 mm	14 mm
27-31 mm	42 mm	17,5 mm
32-34 mm	42 mm	14 mm
35-39 mm	50 mm	17,5 mm
40-43 mm	50 mm	14 mm
44-47 mm	58 mm	17,5 mm
48-51 mm	58 mm	14 mm
52-55 mm	66 mm	17,5 mm
56-59 mm	66 mm	14 mm

Cylinder	
	
B-dim.	Length
16-26 mm	34 mm
27-34 mm	42 mm
35-43 mm	50 mm
44-51 mm	58 mm
52-59 mm	66 mm

Screw for esc.	
	
A-dim.	Length
34-39 mm	24 mm
40-49 mm	24 mm
50-57 mm	32 mm
58-65 mm	40 mm
66-73 mm	48 mm
74-81 mm	56 mm
82-89 mm	64 mm
90-97 mm	72 mm
98-105 mm	80 mm
106-113 mm	88 mm
114-120 mm	96 mm

Spacer, 6mm	
	
No.	
1	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	
0	

Thumb turn spindle Signature	
	
C-dim.	Length
12-16 mm	34 mm
17-24 mm	42 mm
25-32 mm	50 mm
33-40 mm	58 mm
41-48 mm	66 mm
49-56 mm	74 mm
57-64 mm	82 mm
65-72 mm	90 mm
73-77 mm	95 mm

Female spindle* 8-9 mm	
	
C-dim.	Length
12-16 mm	33 mm
17-32 mm	42 mm
33-48 mm	58 mm
49-64 mm	74 mm
65-77 mm	90 mm

* Full name:
"spindle handle female Signature"

Male spindle* 8-9 mm	
	
B-dim.	Length
13-16 mm	40 mm
13-24 mm	43 mm
18-32 mm	51 mm
26-40 mm	59 mm
34-48 mm	67 mm
42-56 mm	75 mm
50-64 mm	83 mm

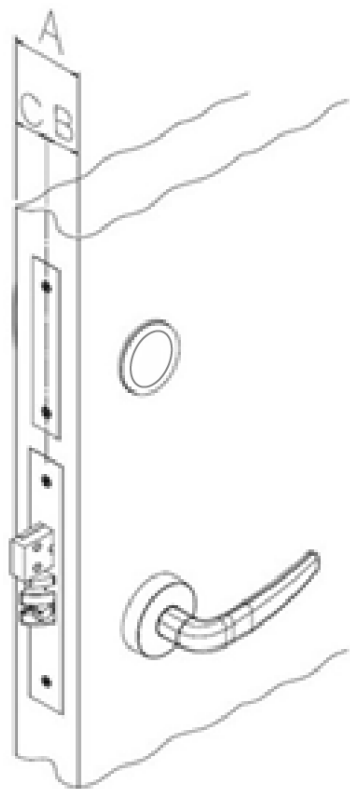
* Full name:
"spindle handle male Signature"

* Full name:
'spindle handle female Signature'

* Full name:
'spindle handle male Signature'

6.1 Site survey checklist

Door dimensions



The A-, B- and C-dimensions are important to know when ordering Adorn ID100 or certain parts for it. See table 4 for detailed information about length of screws, spindles etc according to the A-, B- and C-dimensions.

- The A-dimension is the entire door thickness.
- The B-dimension is from the outside door edge to the center of the lock case.
- The C-dimension is from the inside door edge to the center of the lock case.

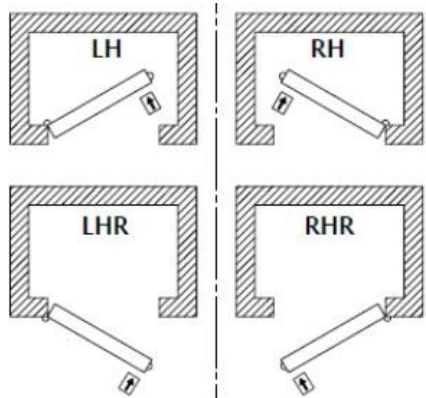
Minimum door thickness; applicable for all ANSI types and all EURO types:

A-Dimension	B-Dimension
38 mm; 1.50"	16 mm; 0.63"

Maximum door thickness; applicable for all ANSI types and all EURO types:

A-Dimension	B-Dimension
129 mm; 5.087"	56 mm; 2.205"

Door handling



LH = left hand
RH = right hand
LHR = left hand reverse
RHR = right hand reverse

Always make sure to have the correct handing on all the doors. The naming in the picture refers to the outside of the door.

Left hand door (LH or LHR):
To open the door, the handle is pressed to the left of the rose with the left hand. The door hinges are on your left side.

Right hand door (RH or RHR):
To open the door, the handle is pressed to the right of the rose with the right hand. The door hinges are on your right side.

Dimension requirements

Important: The hole for the cylinder is optional and is only to be cut out for locks equipped with cylinders and only from the outside of the door to the center of the lock case; i.e. not through the entire door.

- Check the following dimension requirements:
1. The gap between lock front cover and strike plate must not exceed 3 mm; 0.118".
 2. For all types of ANSI lock cases, allow at least 25.4 mm (1") depth behind the strike plate hole for the deadbolt. (Except ANSI AUS = 0 mm and ANSI JPN = 21 mm). Allow 21 mm for EURO lock cases.
 3. For all types of ANSI lock cases, allow at least 19 mm (0.748") depth behind the strike plate hole for the latch. Allow 14 mm for EURO lock cases.
 4. Make sure that the lock case, door handles or cylinder does not get in conflict with i.e. glass windows or ornaments/decor on the door.

Check door frames / strike plates

- Check if you can use ANSI standard strike plate or if you need to order a customized strike plate.
- Check if the door frame is a wooden frame or a metal frame. This will decide what kind of tools you will need for the installation.

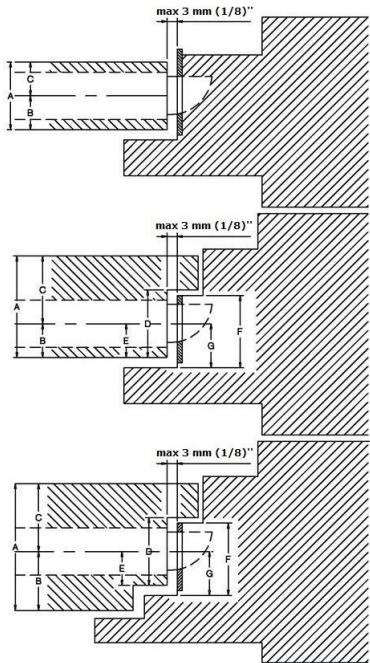
Also see section 2.3 Mortise for strike plate.

Beveled doors



If the door is beveled (edge is not at 90° to door), the dimensions should be based on the shortest side. Standard beveling is 3.2 mm; 1/8".

Rebated doors



A _____
B _____
C _____

A _____
B _____
C _____
D _____
E _____
F _____
G _____

A _____
B _____
C _____
D _____
E _____
F _____
G _____

When it comes to rebated doors and rebated frames, be extra observant regarding protrusion for the deadbolt on the frame side. See examples of rebated doors and door frames.

6.2 Site survey form

[illegible]

7. Version history

Revision	Date	Description	Author
1.0	2025-07	Initial version	SO
1.1	2025-08	Updated illustrations of cable placement, page 20 and 21	SO
1.2	2026-01	Released version	SO

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