

SCHLAGE

NDE Series

NDE80/NDEB/NDEBSi

Service manual

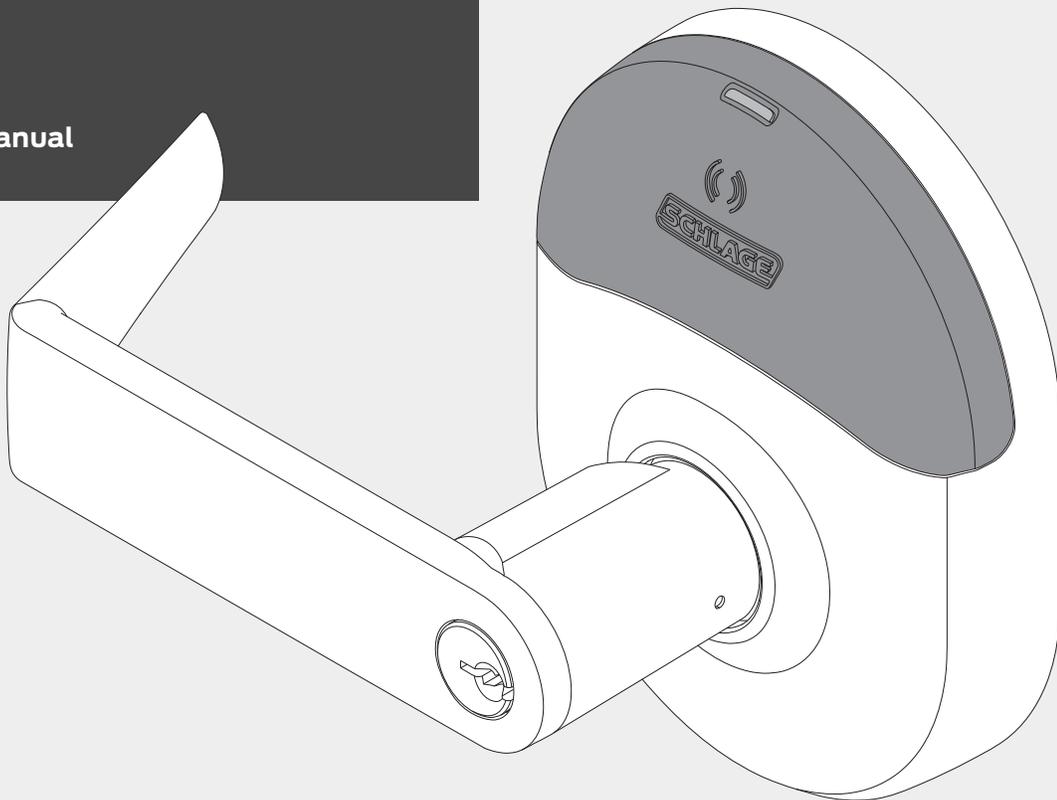


Table of Contents

4 Introduction

- 4 Standard Features
- 5 NDEB Grade 1 Cylindrical Wireless Electronic Lock
- 6 NDE/NDEB Grade 1 Cylindrical Wireless Electronic Lock
- 6 Full size IC and SFIC (small format interchangeable core) configurations

7 Parts and kits

- 7 Lever designs
- 7 Tactile warning
- 8 Complete levers list and related components
- 10 Tailpieces
- 11 Spring cages
- 11 Cylinders
- 12 Strikes
- 13 NDE80/NDEB Conversion Kit
- 13 Spring Cage and Lever Conversion Kit

15 Finishes

- 15 Finish codes and descriptions
- 15 Finish colors

16 Limited warranty

Introduction

This manual contains a complete listing of NDE/NDEB-Series cylindrical lock parts and assemblies manufactured by the Schlage Lock Company. This edition lists components of NDE/NDEB-Series locks manufactured after November, 2014.

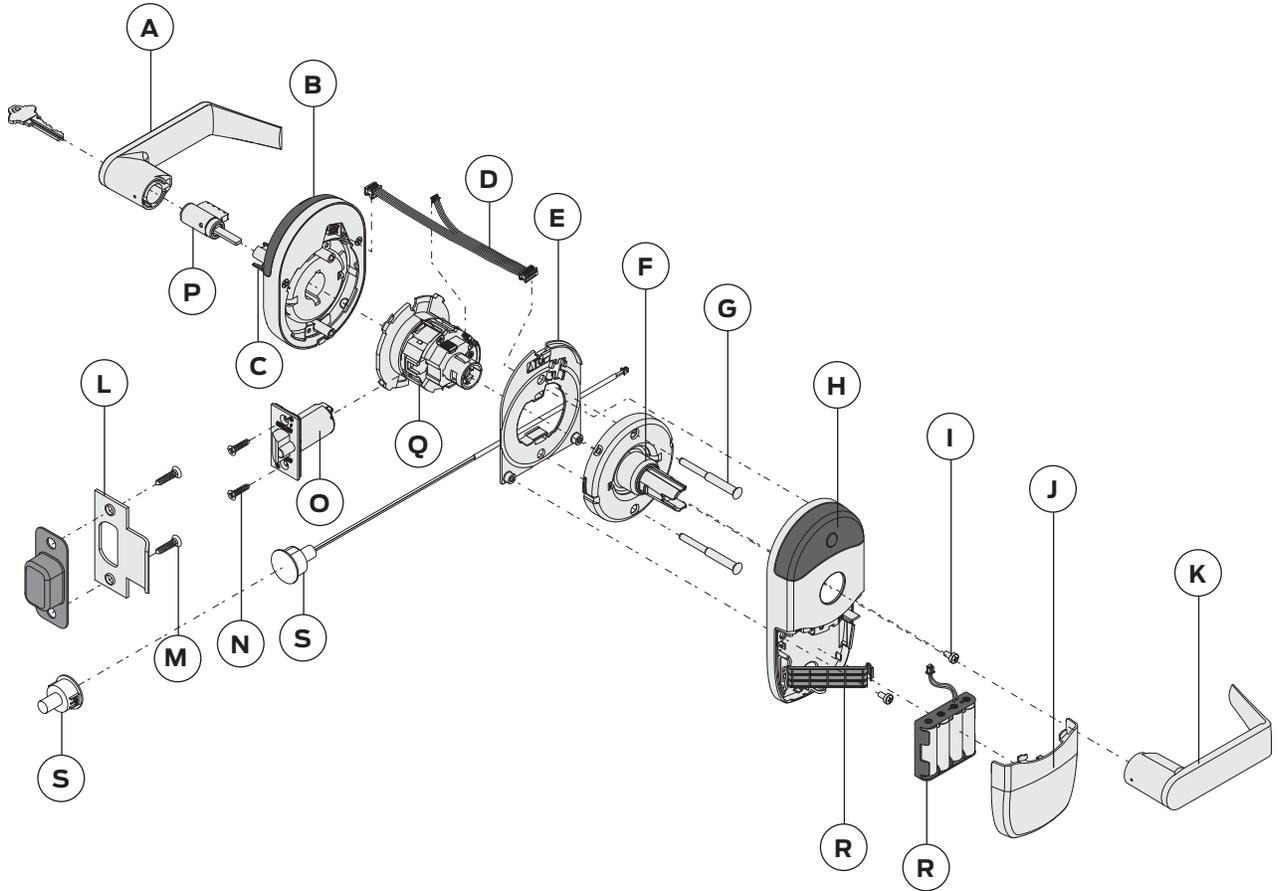
This manual provides exploded views of each lock chassis and trim assembly with an accompanying chart to identify parts for replacement purposes, along with lock trim ordering procedures, general cylinder information, and all auxiliary components of NDE/NDEB-Series cylindrical locks.

Standard Features

Certifications	ANSI/BHMA Certified A156.25-2013, A156.2-2011, Series 4000, Grade 1, UL 294, UL 10C
Latch	1 ¹ / ₈ " x 2 ¹ / ₄ ", Square corner faceplate, 1" housing diameter, 1/2" throw
Strike	1 ¹ / ₈ " x 4 ⁷ / ₈ ", ANSI Square corner, with DPS magnets, no box
Backset	2 ³ / ₄ "
Cylinder	6-Pin solid brass, keyed 6-pin, S123 keyway, keyed different (KD)
Door Range	1 ⁵ / ₈ " - 2"
Keys	2 (two) nickel silver cut keys per lock, 6-pin, S123 section

NDEB Grade 1 Cylindrical Wireless Electronic Lock

NDEB



Letter	Description	Part number
A	Outside lever—open	03-231* ‡ †
B	Outside escutcheon subassembly	N223-045 ‡
C	Outside spring cage	N523-218* ‡
D	Main wire harness	N223-019
E	Baseplate	N623-000
F	Inside spring cage—standard	N523-221 if newer than February 1, 2017
G	Mounting kit screw	N223-049
H	Inside escutcheon assembly with main PCBA	47278749* †
I	Baseplate securing screw	N223-049

Letter	Description	Part number
J	Battery cover	N623-007 † †
K	Inside lever—closed	03-230 † †
L	Strike	10-025 ‡ †
M	Strike screw	C603-256 †
N	Latch screw	C603-897 †
O	Deadlatch	13-247 ‡ †
P	Cylinder—6-pin	23-065 ‡ †
Q	Motorized Chassis	N223-007
R	Battery holder kit	N223-044*
S	DPS wiring kit	L483-055

- * Has multiple components.
- ‡ Standard option shown. Has multiple options available.
- † Specify lever style.
- + Specify finish.

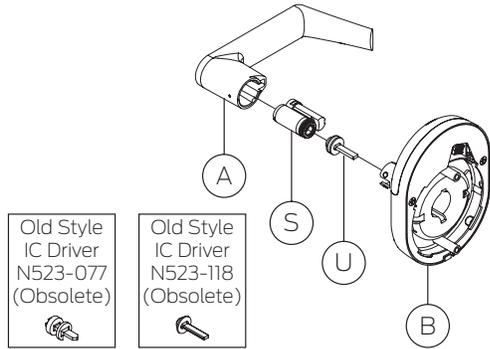
- ‡ Without reader PCBA.
- † for just the battery cover screw, refer to the screw mounting kit on page 13.

➔ NOTE: NDE80 specific parts are no longer available.

NDE/NDEB Grade 1 Cylindrical Wireless Electronic Lock

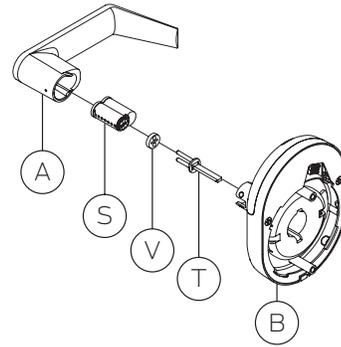
Full size IC and SFIC (small format interchangeable core) configurations

Full size IC—outside



Letter	Description	Part number
A	Outside lever—full size IC	03-232 ◊+
B	Outside spring cage	N523-218
S	Cylinder—full size IC	23-030+
U	IC driver	N523-127

SFIC—outside



Letter	Description	Part number
A	Outside lever—SFIC	03-200 ◊+
B	Outside spring cage	N523-218
S	Cylinder—SFIC	80-037+
T	SFIC driver	N523-091
V	Small format IC spacer (6-pin only)	D500-000

- ◊ Specify lever style.
- + Specify finish.

Parts and kits

Lever designs

Athens, Sparta, Rhodes, and Tubular

Specify the lever finish when ordering levers.

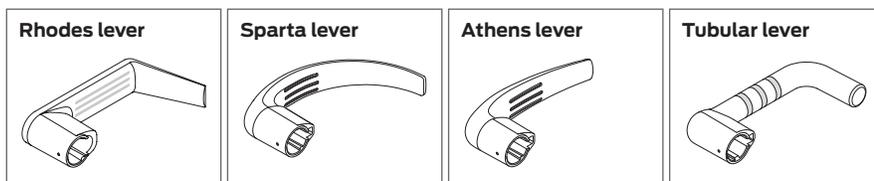
	Closed levers	Open levers	Interchangeable core levers**	SFIC levers
Athens (ATH) 	03-230 ATH A=2 ³ / ₄ " B=3 ⁵ / ₁₆ " C=2 ¹ / ₂ "	03-231 ATH A=2 ³ / ₄ " B=3 ⁵ / ₁₆ " C=2 ¹ / ₂ "	03-232 ATH A=3" B=3 ¹ / ₂ " C=2 ¹¹ / ₁₆ "	03-200 ATH A=2 ⁷ / ₈ " B=3 ³ / ₈ " C=2 ¹ / ₂ "
Rhodes (RHO) 	03-230 RHO A=2 ⁷ / ₁₆ " B=2 ¹⁵ / ₁₆ "	03-231 RHO A=2 ⁷ / ₁₆ " B=2 ¹⁵ / ₁₆ "	03-232 RHO A=2 ³ / ₄ " B=3 ¹ / ₄ "	03-200 RHO A=2 ¹ / ₂ " B=3"
Sparta (SPA) 	03-230 SPA A=3" B=3 ¹ / ₂ "	03-231 SPA A=3" B=3 ¹ / ₂ "	03-232 SPA A=3 ¹ / ₄ " B=3 ³ / ₄ "	03-200 SPA A=3" B=3 ¹ / ₂ "
Tubular (TLR) 	03-230 TLR A=2 ¹ / ₄ " B=3"	03-231 TLR A=2 ¹ / ₄ " B=3"	03-232 TLR A=2 ¹ / ₂ " B=3 ³ / ₁₆ "	03-200 TLR A=2 ¹ / ₄ " B=3"

* Meets California Fire Code for 1/2" or less return to the door.

** Lever sizes available for Competitor Cylinder Options, see 8.

Tactile warning

Preface design code for tactile warning levers			
Athens	Rhodes	Sparta	Tubular
8AT	8RH	8SP	8TR



Parts and kits

Complete levers list and related components

Part No.	Description
03-230*	Lever - Closed; ATH, RHO, SPA, OME, TLR
03-230*	Lever - Closed; 8AT, 8RO, 8SP, 8TR
03-231*	Lever - Cylinder - Schlage KIL; ATH, RHO, SPA
03-232*	Lever - Cylinder - Schlage FSIC; ATH, RHO, SPA
03-200*	Lever - Cylinder - Schlage SFIC; ATH, RHO, SPA
47258039	Lever - Cylinder - Schlage SFIC - BRW
47258040	Lever - Cylinder - Schlage SFIC - BRK
47258041	Lever - Cylinder - Schlage SFIC - LAT
47258042	Lever - Cylinder - Schlage SFIC - LON
47260537	Lever - Cylinder - Schlage SFIC - 8BY
47260538	Lever - Cylinder - Schlage SFIC - 8BK
47260539	Lever - Cylinder - Schlage SFIC - 8LT
47260540	Lever - Cylinder - Schlage SFIC - 8LN
47258043	Lever - Closed - BRW
47258044	Lever - Closed - BRK
47258045	Lever - Closed - LAT
47258046	Lever - Closed - LON
47260541	Lever - Closed - 8BY
47260542	Lever - Closed - 8BK
47260543	Lever - Closed - 8LT
47260544	Lever - Closed - 8LN
47258047	Lever - P, Z, L - BRW
47258048	Lever - P, Z, L - BRK
47258049	Lever - P, Z, L - LAT
47258050	Lever - P, Z, L - LON
47260545	Lever - P, Z, L - 8BY
47260546	Lever - P, Z, L - 8BK
47260547	Lever - P, Z, L - 8LT
47260548	Lever - P, Z, L - 8LN
47258051	Lever FSIC R, J, T - BRW
47258052	Lever FSIC R, J, T - BRK
47258053	Lever FSIC R, J, T - LAT
47258054	Lever FSIC R, J, T - LON
47260549	Lever FSIC R, J, T - 8BY
47260550	Lever FSIC R, J, T - 8BK
47260551	Lever FSIC R, J, T - 8LT
47260552	Lever FSIC R, J, T - 8LN

* Specify finish

Parts and kits

Competitor cylinder options

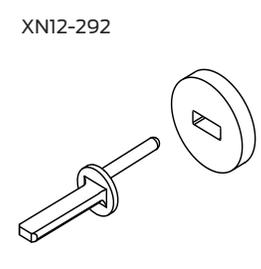
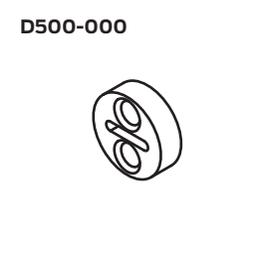
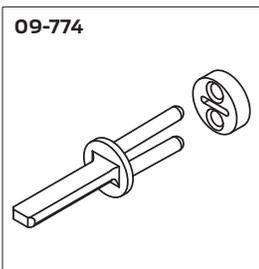
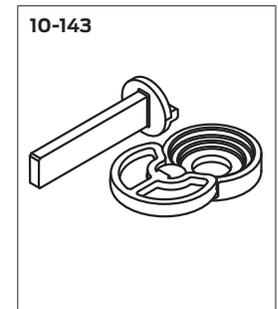
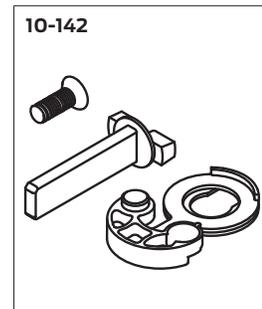
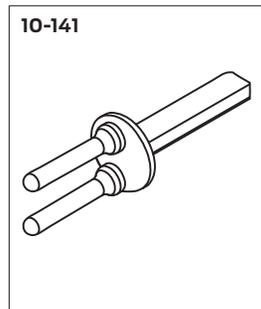
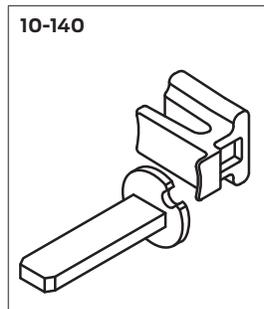
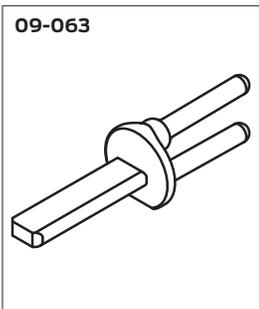
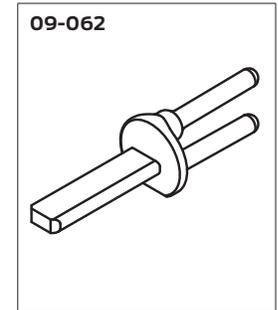
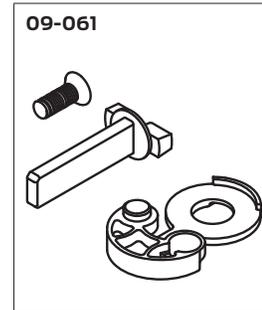
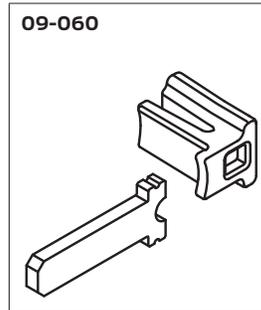
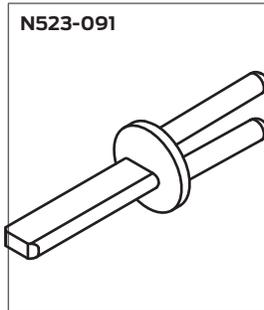
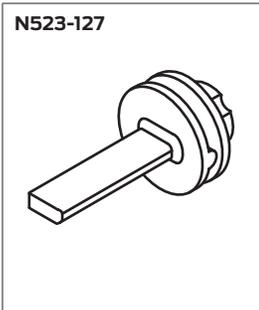
Competitor lever designs are available in finishes 613, 626 and 626AM. Specify the finish when ordering. Tactile warning is available. See **Tactile warning** on page 7 for details.

Cylinder	Order suffix	Description	Lever design			
			Athens	Rhodes	Sparta	Tubular
	LD SAR	Sargent Key In Lever	03-244-ATH	03-244-RHO	03-244-SPA	03-244-TLR
	JD SAR	Sargent Full Size Interchangeable Core Cylinder	03-277-ATH	03-277-RHO	03-277-SPA	03-277-TLR
	JD CO6	Corbin Russwin Full Size Interchangeable Core 6 Pin Cylinder	03-266-ATH	03-266-RHO	03-266-SPA	03-266-TLR
	JD YA6	Yale 1210 6-pin or Medeco 31 Full Size Interchangeable Core 6 Pin Cylinder	03-255-ATH	03-255-RHO	03-255-SPA	03-255-TLR
	JD CO7	Corbin Russwin Full Size Interchangeable Core 7 Pin Cylinder	03-235-ATH	03-235-RHO	03-235-SPA	03-235-TLR
	LD CO6	Corbin Russwin Key in Lever 6 Pin Cylinder	03-234-ATH	03-234-RHO	03-234-SPA	03-234-TLR
	JD YA7	Yale Full Size Interchangeable Core 7 Pin Cylinder	03-236-ATH	03-236-RHO	03-236-SPA	03-236-TLR
	JD MED	Medeco 32 Full Size Interchangeable Core Cylinder	03-237-ATH	03-237-RHO	03-237-SPA	03-237-TLR

Parts and kits

Tailpieces

Order Suffix	Cylinder Type	Part number	Manufacturer(s)
SCH FSIC	Schlage FSIC core driver	N523-127	Schlage
SCH SFIC	Schlage SFIC core driver	N523-091	Schlage
LD SAR	Sargent core driver	09-060	Sargent
JD YA6	Yale core driver	09-061	Yale
JD CO6	Corbin Russwin core driver	09-062	Corbin Russwin
JD SAR	Sargent core driver	09-063	Sargent
LD CO6	Corbin Russwin core driver	10-140	Corbin Russwin
JD CO7	Corbin Russwin core driver	10-141	Corbin Russwin
JD YA7	Yale core driver	10-142	Yale
JD MED	Medeco core driver	10-143	Medeco
Universal	SFIC core driver and spacer	09-774	N/A
Universal	SFIC core spacer - spacer required for 6-pin, no spacer required for 7-pin	D500-000	N/A
Sargent	Sargent XC SFIC tailpiece	XN12-292	N/A



Parts and kits

Spring cages

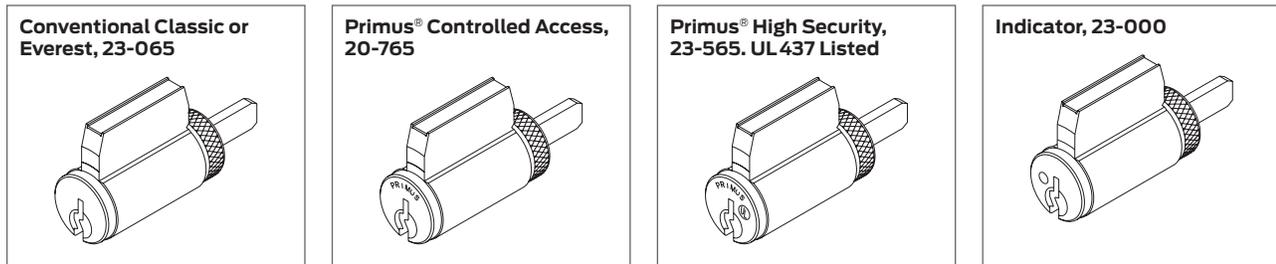
	Order Suffix	Cylinder Type	Part Number
Exterior	P, L, Z, R, J, T, B, BDC, G, H, L SAR , L CO6, J CO6, J SAR, J CO7	Outside spring cage for all functions except Yale or Medeco	N523-218
	J YA7, J YA6, J MED	Outside spring cage for all Yale or Medeco functions	N523-224
Interior	Universal	Inside spring cage (all functions)	N523-221

* Accepts Medeco retrofit cylinder for Yale, Medeco p/n 31-0100 FSIC type

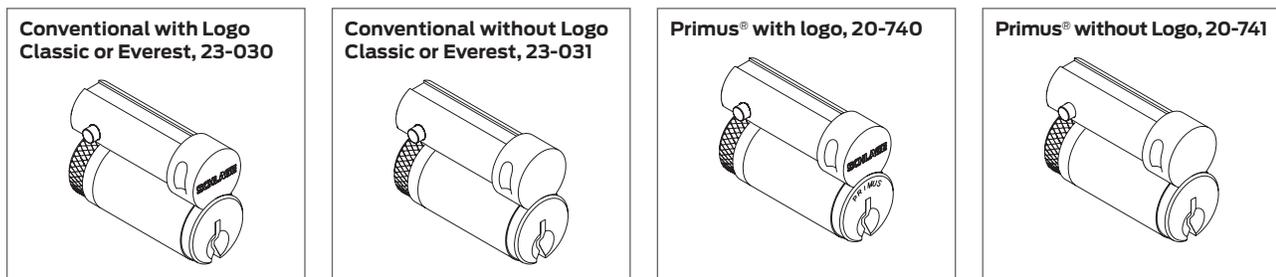


Cylinders

Standard



Full size interchangeable cores

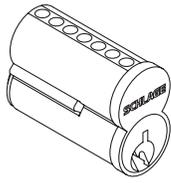


Parts and kits

Small format interchangeable cores

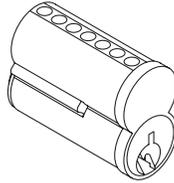
Everest® Combined, 80-037

Also available in uncombined (80-036)



Best® Keyway 7-Pin Uncombined, 80-033

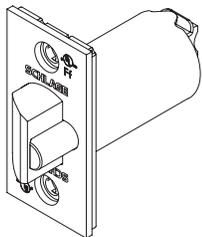
Also available in 6-pin uncombined (80-043)



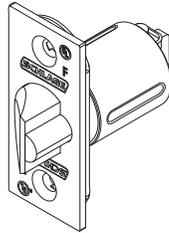
Latches

All ND-Series latches have one-inch diameter housing and adjustable faceplates for flat or beveled doors.

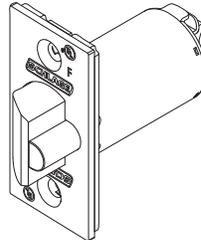
Deadlatch, 14-047



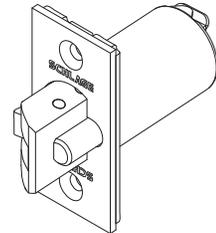
Deadlatch, 14-048



Deadlatch, 13-247



Deadlatch, 14-042



Strikes

ANSI Prep. A115.2, 10-025

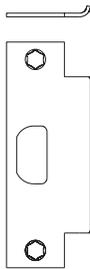
Size: 1 1/4" x 4 7/8" x 3/32"

Lip length:

1 3/16" (std), 1 3/8"

If required, K510-066 strike must be ordered separately.

Available in 605, 606, 612, 619, 625, 626, 643e, 626AM.



ANSI Prep. A115.2, 10-130

Size: 1 1/4" x 4 7/8" x 3/32"

Lip length:

1 3/16" (std), 1 3/8", 1 1/2"

If required, K510-066 strike must be ordered separately.

Available in 605, 606, 612, 619, 625, 626, 643e, 626AM.



ANSI Prep. A115.2, 10-131

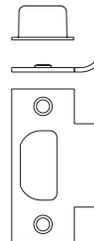
Size: 1 1/8" x 2 3/4" x 3/32"

Lip length:

1 3/16" (std), 1 3/8", 1 1/2"

Includes strike box K510-066

Available in 605, 606, 612, 619, 625, 626, 643e, 626AM.



Square Corner Fire Door T-Strike, 10-132

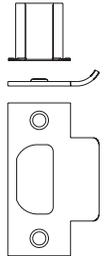
Size: 1 1/8" x 2 3/4" x 3/32"

Lip length:

1 1/8", 1 1/2"

Includes strike box K510-066

Available in 605, 606, 612, 619, 625, 626, 643e, 626AM.



Square Corner Fire Door T-Strike, 10-133

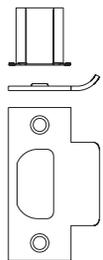
Size: 1 1/8" x 2 3/4" x 3/32"

Lip length:

1 1/8", 1 1/2"

Includes strike box K510-066

Available in 605, 606, 612, 619, 625, 626, 643e, 626AM.



ANSI Prep. A115.2, 47267101

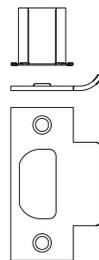
Size: 1 1/8" x 2 3/4" x 3/32"

Lip length:

1 3/16" (std), 1 3/8", 1 1/2"

Includes strike box K510-066

Available in 605, 606, 612, 619, 625, 626, 643e, 626AM.



Parts and kits

NDE80/NDEB Conversion Kit

This converts your lock from NDE80 to NDEB. All kits will contain a spring cage and lever. Some kits will contain a button or tailpiece. When ordering, specify: function, trim, finish, and core (if applicable).

47278749	NDEB Inside escutcheon assembly (with main PCBA) This upgrades NDE80 product	1 Inside escutcheon 1 RF window 1 Door position sensor 1 Main PCB module 1 Inside label
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Spring Cage and Lever Conversion Kit

All kits will contain a spring cage and lever. Some kits will contain a button or tailpiece Kits are limited to previously offered product - KIL, FSIC, SFIC, L-SAR, J-SAR, J-CO6, J-YA6 When ordering specify: function, trim, finish and core (if applicable).

40-400	Inside spring cage/Lever conversion kit
40-600	Outside spring cage/Lever conversion kit

Screws, screw packs and special parts

Specify the finish for all latch, strike, and mounting screws. Torx screw packs are furnished with appropriate T-xx installation tool(s).

Screws				
Part no.	Description	Door thickness	Type	Size
C603-256	ANSI strike screw	–	PFH Combo	12-24 X 1"
C603-897	Latch and strike screw	–	PFH Combo	#8 X 3/4"
N523-021	Spring cage screws	1 3/8" - 2"	POH Machine	#10 X 32 x 2 1/8"

ANSI strike screw,
C603-256



Latch and strike
screw, C603-897



Screw packs, standard			
Part no.	Description	Contents	
B202-517	Latch and strike screws	(4) C603-897	
N223-049	Mounting kit:	Combo screws	(4) C603-897
		Pin wrench	(1) N523-108
		Mounting screws	(2) N523-021
		Battery cover screw	(1) N623-048*
		Battery cover screw, torx	(1) N623-049*
		Machine screws	(2) C603-256
		Pan head screws	(2) 96954557
C203-736	ANSI Strike	(2) C603-256	
		Mounting kit contents	

Screw packs, Torx		
Part no.	Description	Contents
C203-311	Latch and strike screws	(4) C503-766 (T-15)
C203-312	Latch and ANSI strike screws	(2) C503-766 (T-15)
		(2) L583-371 (T-20)

* Battery cover screws.

Parts and kits

Installation tools

Boring jigs and tools are designed to provide fast and accurate lock installation. Complete kits or individual tools can be ordered for preparing doors and jambs for Schlage products.

Part no.	Description
40-286	Universal Clamp (For use with all AD, CO, NDE, and LE Series installation templates)
47286225	NDEB Door Preparation Template (Universal Clamp require to use this template)
40-292	Door Position Sensor Fixture and Mounting Hardware (47286225 is required to use this fixture)
M204-198	AL/ND Series boring jig
N523-108	Pin wrench



Ordering NDEBSi

If an NDEBSi is needed, a new lock will need to be ordered. Upgrading parts to make a current NDE/NDEB convert to NDEBSi is not currently possible. Please use the following to order, then add on needed options.

NDEBSi Mobile enabled cylindrical lock with HID credential secure sector compatibility (with interior pushbutton with indicator) with Vandlgard

Finishes

Finishes

Schlage Lock finishes are durable, top quality finishes obtained by the careful processing of solid brass, bronze, stainless steel, or other materials.

Where required, a protective clear coating is applied and cured under high temperature. It is important that the climatic conditions and usage be taken into consideration when selecting finishes. This is especially true in areas subjected to strong corrosive vapors, humid climate, or sea air which, in short time, may have a damaging effect on metal finishes.

The longevity and preservation of the finish appearance is determined by base metal and finishing process. Clear protective coating or other organic finishing applications may

require different methods of cleaning and care. For example, non-clear coated finishes should not be cleaned with any soaps or solvents. Organically coated surfaces should periodically be cleaned with a mild non-abrasive soap and be buffed lightly with a clean cloth. The type of base metal and finished techniques must be considered when applying any cleaning or preservative method.

In some instances for customer convenience, the most appropriate BHMA (Builders Hardware Manufacturers Association) finish symbols are used to indicate similarity of appearance regardless of base metal or finishing process. Finish numbers in the 600-Series are the BHMA industry standard. The nearest former U.S. equivalent code designations are shown in parenthesis.

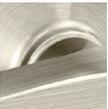
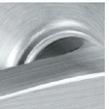
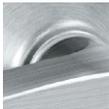
Finish codes and descriptions

Schlage code	BHMA	Description
605	(US 3)	Bright brass, clear coated
606	(US 4)	Satin brass, clear coated
612	(US 10)	Satin bronze, clear coated
613	(US 10B)	Oil rubbed bronze, oxidized satin bronze, oil rubbed, no coating

Schlage code	BHMA	Description
619	(US 15)	Satin nickel, clear coated
625	(US 26)	Bright chromium plated, no coating
626	(US 26D)	Satin chromium plated, no coating
622	(US 19)	Matte black
643e	(US 11)	Aged bronze

Finish colors

Warm tone finishes			
			
605 Bright brass	606 Satin brass	612 Satin bronze	643e Aged bronze

Cool tone finishes				
				
619 Satin nickel	622 Matte black	625 Bright chrome	626 Satin chrome	626AM Satin chrom with antimicrobial

Limited warranty

Product warranty: commercial applications

LIMITED WARRANTY: COMMERCIAL APPLICATIONS

12/24 Month Limited Warranty

Schlage Lock Company (the “Company”) extends a 12 month limited warranty from the original date of purchase or a 24 month limited warranty from the original order date to the Original User of the products manufactured by the Company (the “Product”) against defects in material and workmanship. Certain Products contain restrictions to this limited warranty, additional warranties or different warranty periods. Please see below for specific Product warranty information.

The provisions of this warranty do not apply to Products: (i) used for purposes for which they are not designed or intended; (ii) which have been subjected to alteration, abuse, misuse, negligence or accident; (iii) which have been improperly stored, installed, maintained or operated; (iv) which have been used in violation of written instructions provided by Schlage; (v) which have been subjected to improper temperature, humidity or other environmental conditions (i.e., corrosion); or (vi) which, based on Schlage’s examination, do not disclose to Schlage’s satisfaction non-conformance to the warranty. Additionally, Schlage will not warrant ANSI A156.2 Grade 2 lever Product installed in educational facilities and student housing.

Small Format Interchangeable Core (SFIC) Warranty: This limited warranty also applies to Schlage locks and housings when used with another manufacturer’s cores, or to Schlage cores (i.e. SFIC) when used in another manufacturer’s locks and housings. The use of unauthorized cylinder cams or other components with the Products shall void this warranty.

Everest® Primus® Limited Lifetime Key Breakage Warranty: A limited lifetime warranty is provided to the Original User against key breakage, subject to the restrictions of this limited warranty.

ADDITIONAL TERMS & CONDITIONS APPLYING TO BOTH COMMERCIAL & RESIDENTIAL APPLICATIONS OF COMMERCIAL PRODUCTS

What the Company Will Do: Upon return of the defective Product to the Company, the Company’s sole obligation, at its option, is to either repair or replace the Product, or refund the original purchase price in exchange for the Product.

Original User: This warranty only applies to the Original User of Products. This warranty is not transferable.

What is Not Covered: The following costs, expenses and damages are not covered by the provisions of this limited warranty: (i) labor costs including, but not limited to, such costs as the removal and reinstallation of Products; (ii) shipping and freight expenses required to return Products to Schlage; and (iii) any other incidental, consequential, indirect, special and/or punitive damages, whether based on contract, warranty, tort (including, but not limited to, strict liability or negligence), patent infringement, or otherwise, even if advised of the possibility of such damages. Some local laws do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to

you.

How Local Law Applies: This warranty gives you specific legal rights, and you may also have other rights as otherwise permitted by law. If this Product is considered a consumer product, please be advised that some local laws do not allow limitations on incidental or consequential damages or how long an implied warranty lasts, so that the above limitations may not fully apply. Refer to your local laws for your specific rights under this warranty.

Warranty Claims: If you have a claim under this warranty, please contact Schlage Customer Service (877-677-7011) for repair, replacement or refund of the original purchase price in exchange for the return of the Product to Schlage.

Miscellaneous: The Company does not authorize any person to create for it any obligation or liability in connection with the Product. The Company’s maximum liability hereunder is limited to the original purchase price of the Product. No action arising out of any claimed breach of this warranty by the Company may be brought by the Original User more than one (1) year after the cause of action has arisen.

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had \$2.7 billion in revenue in 2020, and its security products are sold around the world.

For more, visit www.allegion.com.

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