

FALCON

MA Series Service Manual

Grade 1 Mortise Lever and Knob Locks

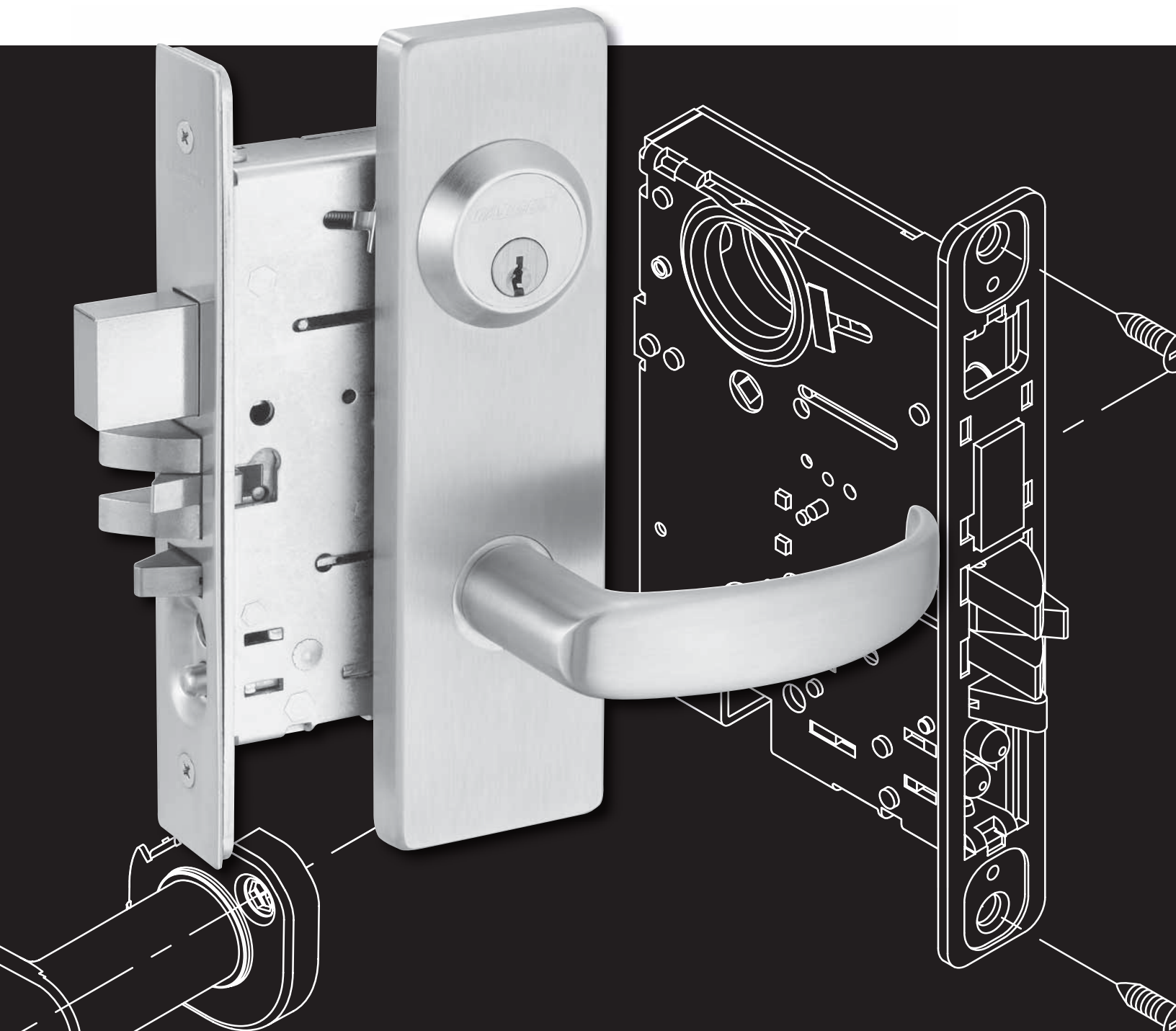


Table of Contents

Introduction.....	ii	Ordering Procedures.....	43
Functions	2	Installation Instructions	44
MA101 - Passage or Closet Latch	5		
MA161 - Exit or Communicating Lock	6		
MA301 - Privacy, Bedroom/Bath	7		
MA311 - Privacy, Bedroom/Bath	8		
MA321 - Privacy, Bedroom/Bath	9		
MA371 - Store Door Lock	10		
MA381 - Apartment, Exit	11		
MA411 - Asylum or Institutional Lock.....	12		
MA431 - Intruder Dead Bolt Lock	13		
MA441 - Intruder Latch Bolt Lock	14		
MA451 - Hotel Guest Lock	15		
MA521 - Entry Lock	16		
MA531 - Apartment Corridor Door Lock.....	17		
MA541 - Entry/Office Lock	18		
MA551 - Holdback Lock.....	19		
MA561 - Classroom Lock	20		
MA571 - Dormitory or Exit Lock	21		
MA581 - Storeroom / Closet Lock.....	22		
MA621 - Front Door / Apartment Corridor	23		
MA641 - Dormitory Lock	24		
MA851 - Electrified EL - 12 & 24 VDC (Fail Safe)	25		
MA881 - Electrified EU - 12 & 24 VDC (Fail Secure).....	26		
MA911 - Classroom Dead Lock	27		
MA921 - Dead Lock.....	28		
MA931 - Dead Lock.....	29		
MA941 - Dead Lock.....	30		
MA12 - Single Dummy	31		
MA18 - Double Dummy.....	32		
Knob and Lever Designs	33		
MA-Series Screw Packs	34		
Strikes.....	36		
Cams.....	37		
Mortise, Rim and Cam Lock for Standard Cylinders	39		
Cylinder Collars	40		
Trim Rings & Collars	41		
Electrically Locking	42		

Introduction

This manual contains a complete listing of parts and assemblies for MA-Series mortise locks manufactured by Falcon Lock Company. This edition lists components of MA-Series locks manufactured after June, 2010. All lock case covers are labeled with dates to identify year of manufacture. Example: 12507 = the 125th day of 2007.

Exploded views of each lock function and trim assembly are provided with accompanying charts to identify parts for replacement purposes. Exploded views of trim are shown with parts for standard size doors. In addition, this manual provides lock trim ordering procedures, cylinder length charts by door range, and all auxiliary components of the MA-Series mortise locks.

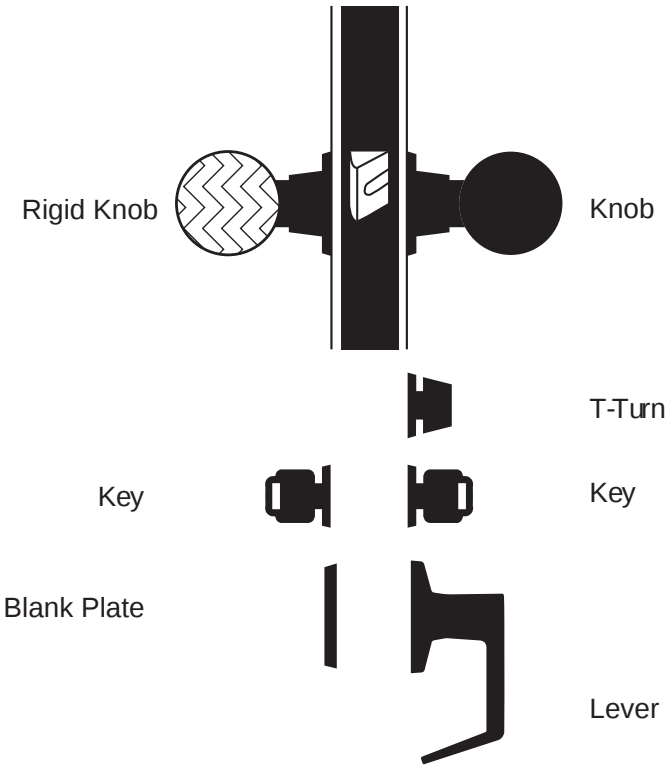
Standard Features*

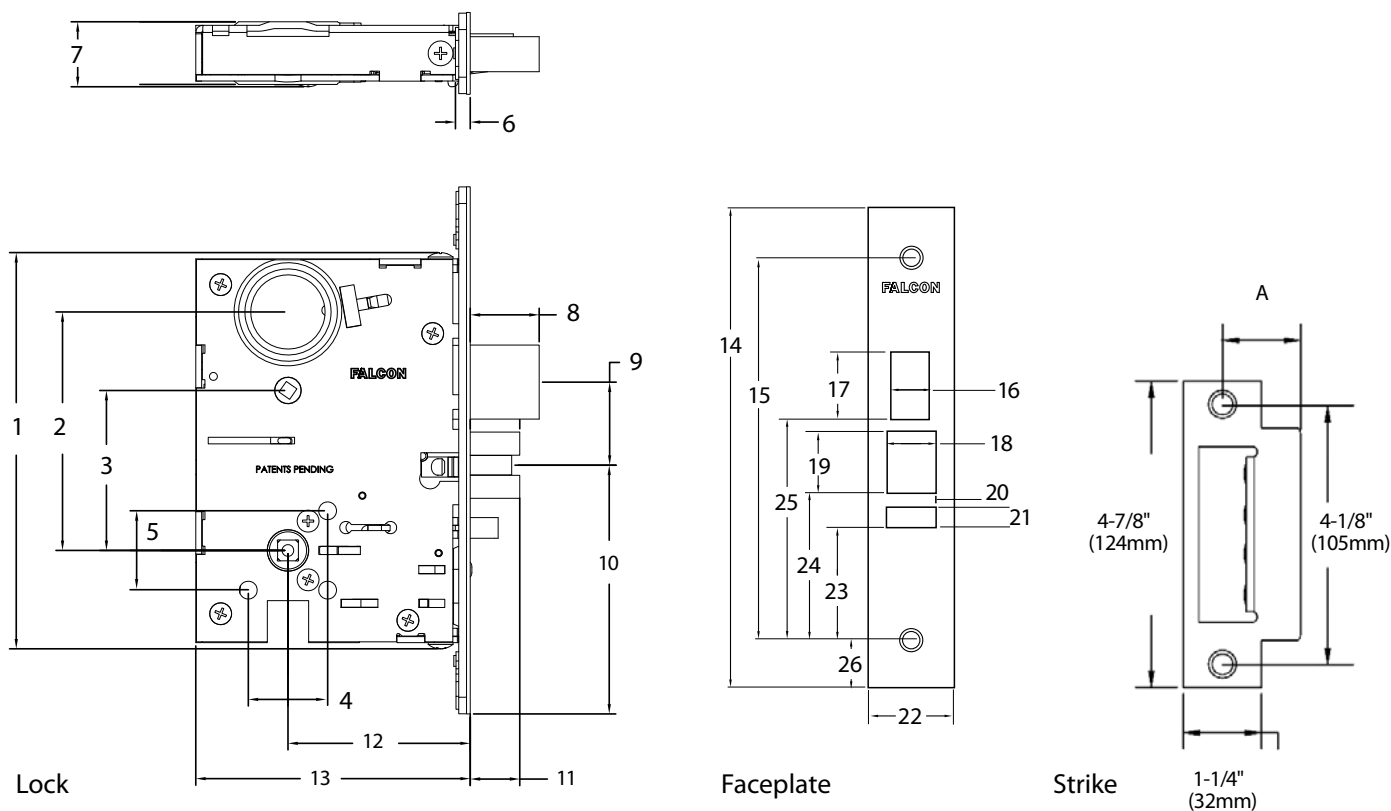
Certifications	ANSI A156 .13, Series 1000, Grade 1 Operation and Security, UL Listed for 3-hour fire door
Latch	2-piece brass mechanical anti-friction bolt, ¾" projection
Strike	1¼" x 4⅞", ANSI, Square corner, with dust box
Cylinder	6-Pin solid brass, keyed 5-pin, Falcon G keyway, keyed different (KD)
Door Range	1⅜" – 2½" standard
Keys	Two, nickel silver cut keys per lock, Falcon G keyway
Backset	2¾"

* Locks are furnished with standard features unless otherwise specified.

Lock Assembly Drawing Index

The Lock Assembly Drawing Index provides visual representations and textual descriptions of available functions. Page numbers for full trim and chassis drawings are referenced.





Lock	Dimension
1	6" (152mm)
2	3-39/64" (92mm)
3	2-27/64" (62mm)
4	1-3/16" (30mm)
5	1-3/16" (30mm)
6	1/4" (6mm)
7	1" (25mm)
8	1" (25mm)
9	1-17/64" (32mm)
10	3-49/64" (96mm)
11	3/4" (19mm)
12	2-3/4" (70mm)
13	4-5/32" (106mm)

Faceplate	Dimension
14	8" (203mm)
15	6-3/8" (162mm)
16	9/16" (14mm)
17	1-9/64" (29mm)
18	45/64" (18mm)
19	1-1/32" (26mm)
20	1/4" (6mm)
21	11/32" (9mm)
22	1-1/4" (32mm)
23	1-27/32" (47mm)
24	2-7/16" (62mm)
25	3-21/32" (93mm)
26	25/32" (20mm)

Strike	Dimension
(A) Door Thickness	Lip Size
1-3/4" – 1-7/8"	1-1/4" (32mm)
2" – 2-1/8"	1-7/16" (37mm)
2-1/4" – 2-3/8"	1-9/16" (40mm)
2-1/2" – 2-5/8"	1-11/16" (43mm)

To order Falcon MA-Series locksets, please consult page 43 for ordering information and assistance.

Catalog Number Prefixes: Add the following prefix for the appropriate trim style.

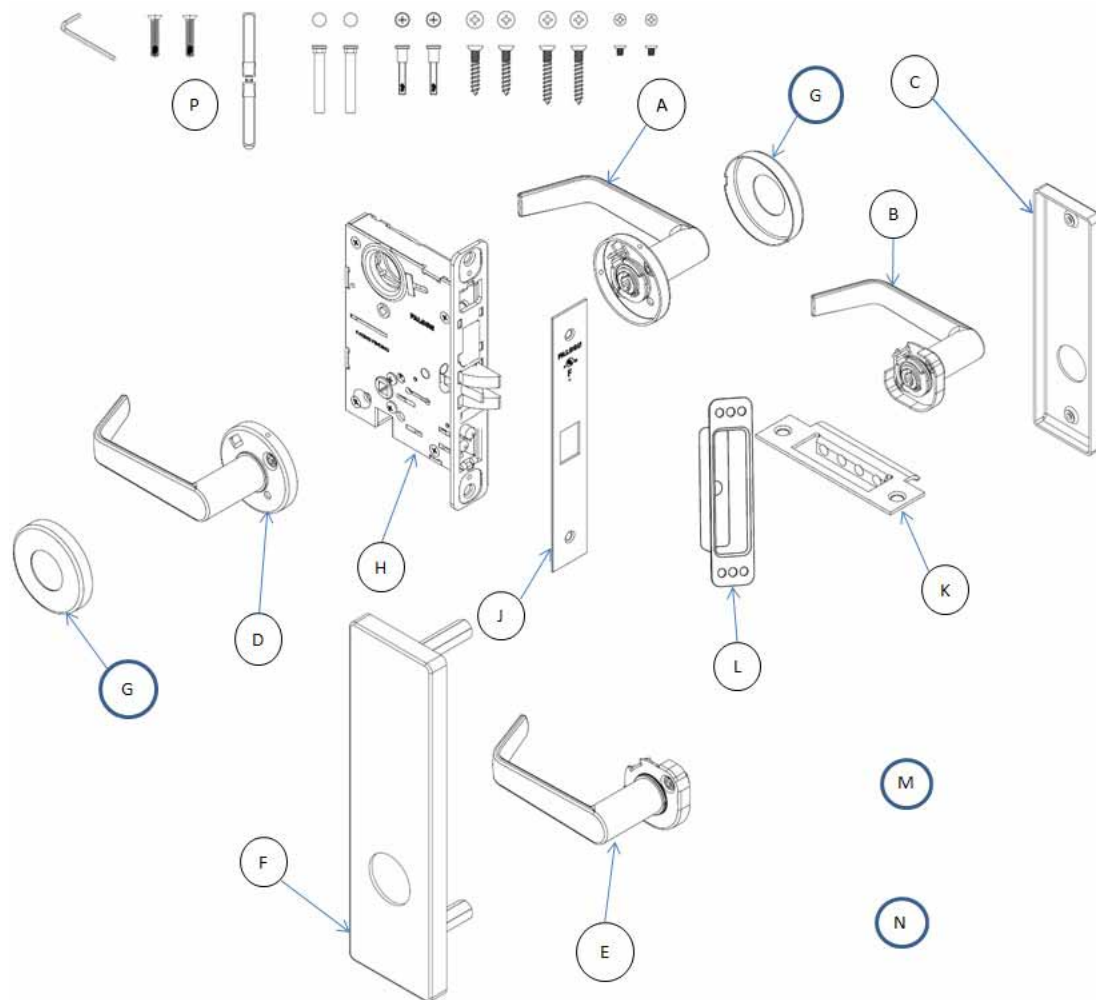
Function		ANSI A156.13, 2005		Page
SCHLAGE	ANSI	DESCRIPTION	FUNCTION	
MA101	F01	Passage/Closet Latchset	Latch bolt by knob/levers at all times.	5
MA161	F31	Connecting Room/Exit Latch	Latch bolt operated by knob/lever from inside. No trim outside. Auxiliary dead latch.	6
MA301	F02	Privacy Lock	Latch bolt by knobs/levers either side, dead bolt by turn inside or emergency release outside.	7
MA311	F19	Privacy, Bedroom or Bath Lock	Latch bolt by knobs/levers. Deadbolt by turn from inside and emergency release outside. Rotating inside knob/lever retracts both bolts.	8
MA321	F22	Privacy Lock	Latch bolt operated by knob/lever from either side except when outside knob/lever is locked by inside T-turn. Operating inside knob/lever, closing door or operating outside emergency release unlocks outside knob/lever.	9
MA371	F14	Store Door Lock	Latch bolt by knobs/levers. Deadbolt by key from either side. Throwing deadbolt locks latchbot from either side.	10
MA381	F09	Apartment, Exit Lock	Latch bolt operated by knob/lever from either side, except when outside knob/lever is locked by key from inside. When outside knob/lever is locked, latch bolt is retracted by key from outside or by operating inside lever. Auxiliary dead latch.	11
MA411	F30	Asylum Lock	Latch bolt operated by key from either side. Both knobs/levers always inoperative. Auxiliary dead latch.	12
MA431	F34	Intruder Deadbolt Lock	Latch bolt operated by knob/lever from either side except when outside knob/lever is locked from inside or outside by key. Dead bolt retracted by key from inside or outside. Operating inside knob/lever retracts both bolts and unlocks outside. Latch bolt dead locked when dead bolt is thrown.	13
MA441	F32	Intruder Latchbolt Lock	Latch bolt operated by knob/lever from either side except when outside knob/lever is locked from inside or outside by key. When outside knob/lever is locked, latch bolt is retracted by key from inside or outside or by operating inside knob/lever. Auxiliary dead latch.	14

Function			ANSI A156.13, 2005	Page
SCHLAGE	ANSI	DESCRIPTION	FUNCTION	
MA451	F15	Hotel/Guest Lock	Latch bolt operated by key from outside or by operating inside knob/lever. Outside knob/lever is always inoperative. Dead bolt projected by turn from inside and all keys except emergency key are shut out. Operating inside knob/lever retracts both bolts. Auxiliary dead latch.	15
MA521	F04	Entry/Office Lock	Latch bolt operated by knob/lever from either side except when outside knob/lever is made inoperative by buttons in face. When outside knob/lever is locked, latch bolt is retracted by key from outside or by operating inside knob/lever. Auxiliary dead latch.	16
MA531	F12, F20	Apartment Corridor Door Lock	Latch bolt operated by knob/lever from either side, except when outside knob/lever is made inoperative by buttons in face. Dead bolt operated by key outside or turn inside. Key outside operates both bolts. Operating inside knob/lever retracts both bolts and outside remains locked. Latch bolt is deadlocked when outside knob/lever is made inoperative or when the dead bolt is projected. When dead bolt is retracted, knob/lever is unlocked by buttons in face.	17
MA541	F21	Entry/Office Lock	Latch bolt by knobs/levers either side. Deadbolt by key outside or turn inside.	18
MA551	F06	Holdback Lock	Latch bolt operated by lever from either side except when outside lever is locked from outside by key. Latch bolt can be locked in a retracted position by key. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever unless latch bolt has been locked in a retracted position. Auxiliary dead latch. Activate/Deactivate instructions on page Note: Chassis is handed. For Holdback Activation instructions see page 48.	19
MA561	F05	Classroom Lock	Latch bolt operated by knob/lever from either side except when outside knob/lever is locked by key. When outside knob/lever is locked, latchbolt is retracted by key from outside or by operating inside knob/lever. Auxiliary latch deadlocks latch bolt when door is closed. Inside knob/lever always free for immediate use.	20
MA571	F13	Dormitory or Exit Lock	Latch bolt operated by knob/lever from either side. Dead bolt projected by key from outside and turn from inside. Operating inside knob/lever retracts both bolts and unlocks outside.	21

Function			ANSI A156.13, 2005	Page
SCHLAGE	ANSI	DESCRIPTION	FUNCTION	
MA581	F07	Storeroom Lock	Latch bolt operated by key from outside or by operating inside knob/lever. Outside knob/lever is always inoperative. Auxiliary dead latch.	22
MA621	F08/ F10	Front Door/ Apartment Corridor	Latch bolt is operated by knob/lever from either side except when outside knob/lever is made inoperative by buttons in face. Dead bolt is operated by turn inside. Key outside operates both bolts.	23
MA641	-	Dormitory Lock	Latch bolt by knob/lever inside and key outside. Inside knob/lever free. Outside knob/lever rigid. Dead bolt by key outside or T-turn inside. Rotating inside knob/lever retracts both bolts. Deadlocking latch.	24
MA851	-	Storeroom - Fail Safe EL	Latch bolt operated by knob/lever from either side except when outer knob/lever is electrically locked. When outer knob/lever is locked, latch bolt retracted by key outside. Deadlocking latch.	25
MA881	-	Storeroom - Fail Secure EU	Latch bolt operated by knob/lever from inside except when outer knob/lever is electrically unlocked, then latch bolt from either side. When locked, key outside retracts latch bolt. Deadlocking latch.	26
MA911	F29	Classroom Deadlock	Key from outside operates deadbolt. Turn from inside retracts but does not project dead bolt.	27
MA921	F18	Deadlock	Deadbolt by key outside only.	28
MA931	F16	Deadlock	Deadbolt by key from either side.	29
MA941	F17	Deadlock	Deadbolt by key outside or turn inside.	30
MA12/ MA18	-	Dummy Trim	Single or double available. Single (MA12). Double (MA18).	31 32

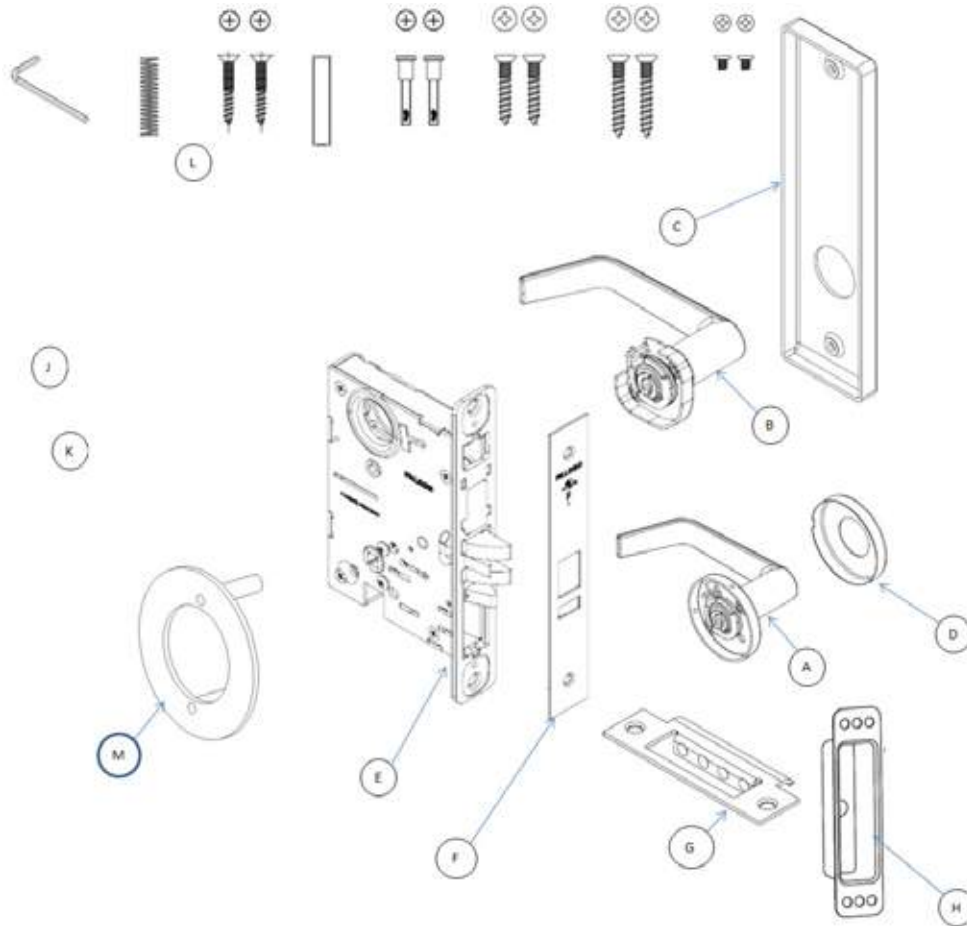
MA-Series Service Manual

MA101 - Passage or Closet Latch



Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	E77012-IP				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-0P				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7801				
FACEPLATE		J	S77801				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				

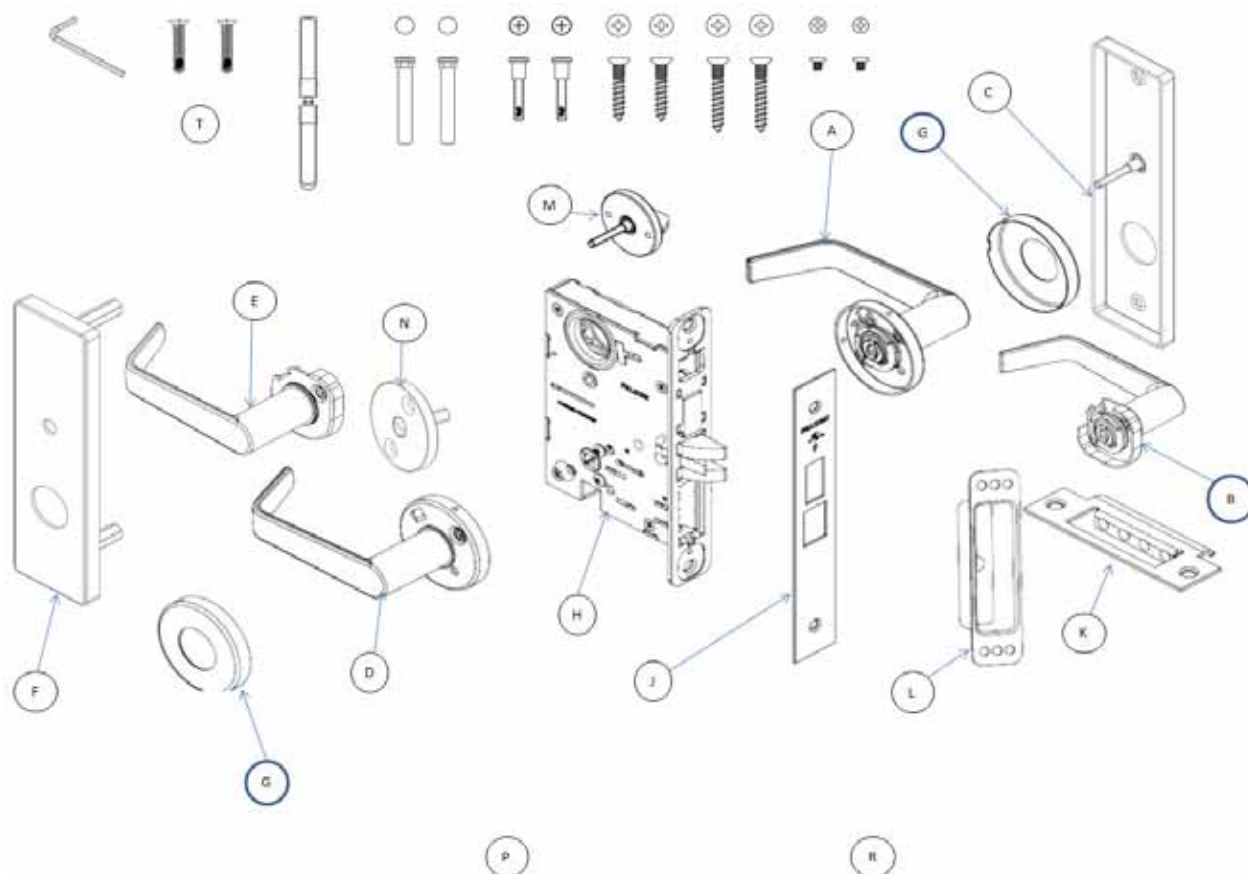
MA161 - Exit or Communicating Lock



Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	E77012-IP				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	-	N/A	N/A	N/A	N/A	N/A
	KNOB/LEVER ESCUTCHEON	-	N/A	N/A	N/A	N/A	N/A
	ESCUTCHEON	-	N/A				
ROSE		D	S76012				
ASSY, LOCK UNIT		E	A7831				
FACEPLATE		F	S77805				
STRIKE ASSY		G	A8737-1				
STRIKE BOX		H	PE1396				
DOOR MARKER		J	Q513-068				
INSTRUCTION SHEETS		K	Q513-067				
SCREW PACK		L	See page 34				
PLATE		M	AS5813				

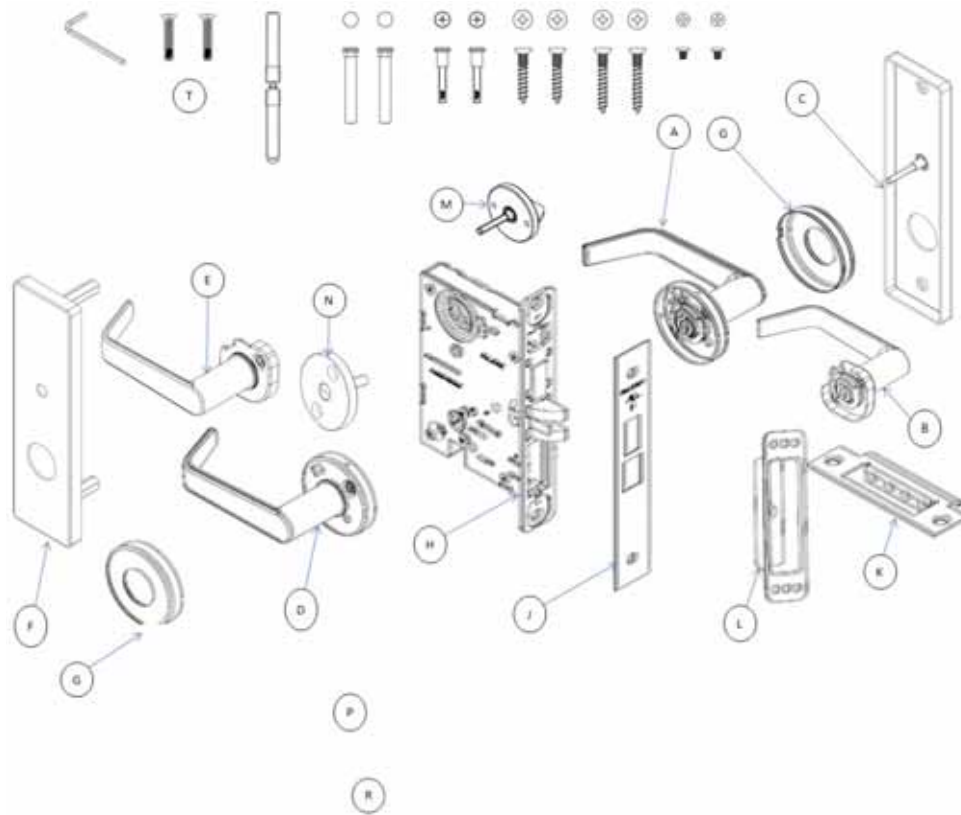
MA-Series Service Manual

MA301 - Privacy, Bedroom/Bath



Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	AE77012-IT				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OT				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7802				
FACEPLATE		J	S77819				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
EMERGENCY TURN		N	AS76853				
DOOR MARKER		P	Q513-068				
INSTRUCTION SHEETS		R	Q513-067				
SCREW PACK		T	See page 34				

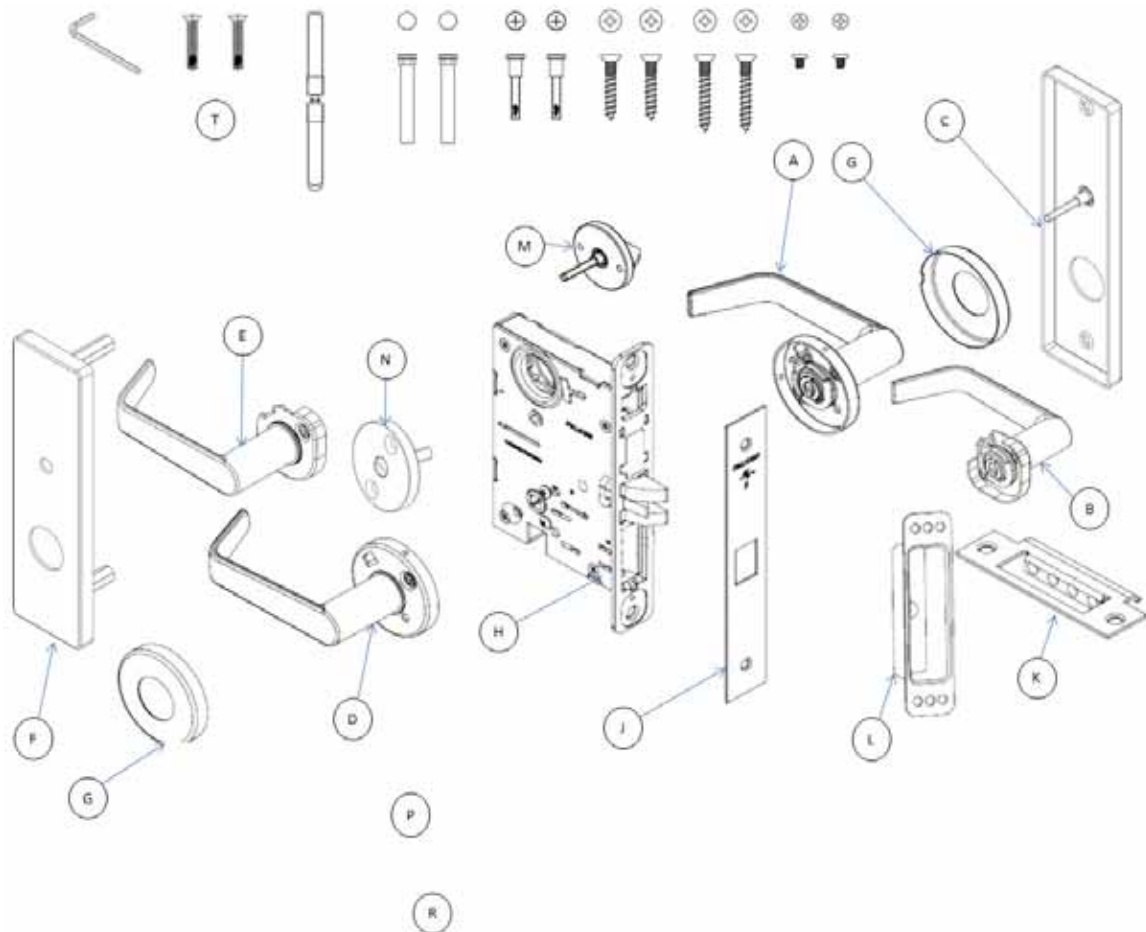
MA311 - Privacy, Bedroom/Bath



Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	AE77012-IT				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OT				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7819				
FACEPLATE		J	S77819				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
EMERGENCY TURN		N	AS76853				
DOOR MARKER		P	Q513-068				
INSSTRUCTION SHEETS		R	Q513-067				
SCREW PACK		T	See page 34				

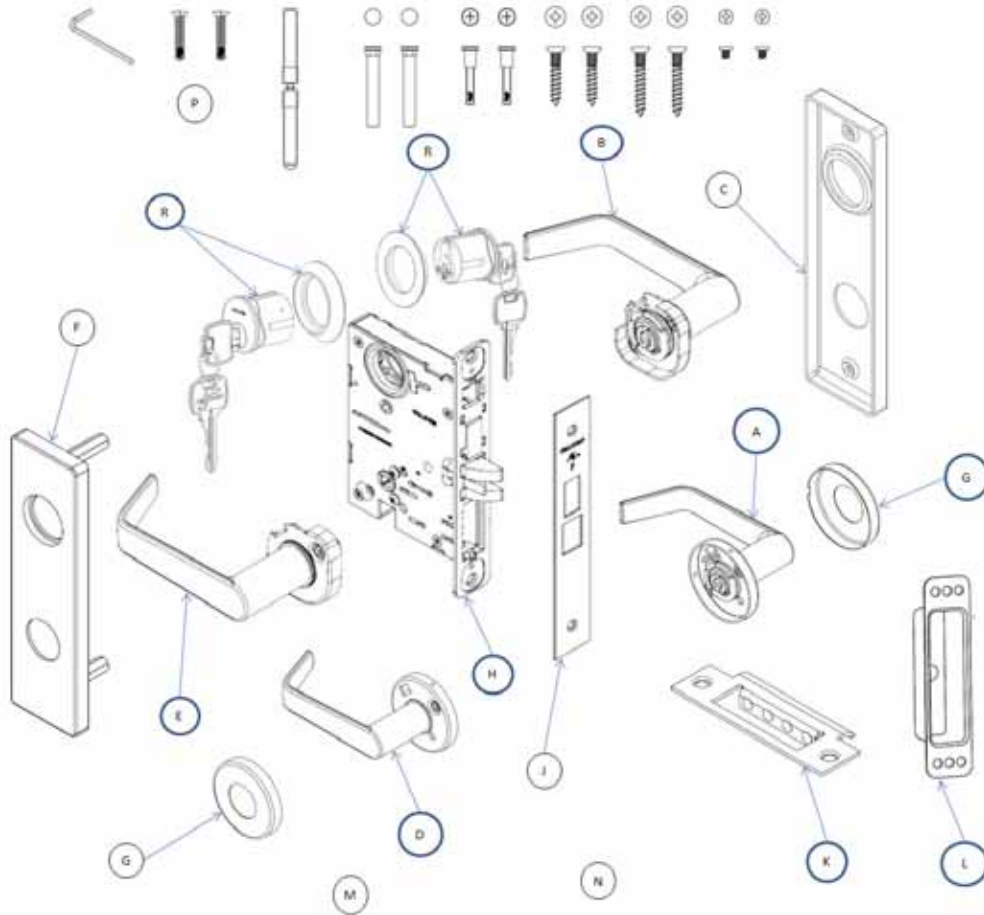
MA-Series Service Manual

MA321 - Privacy, Bedroom/Bath



Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	AE77012-IT				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OT				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7822				
FACEPLATE		J	S77801				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
EMERGENCY TURN		N	AS76853				
DOOR MARKER		P	Q513-068				
INSTRUCTION SHEETS		R	Q513-067				
SCREW PACK		T	See page 34				

MA371 - Store Door Lock

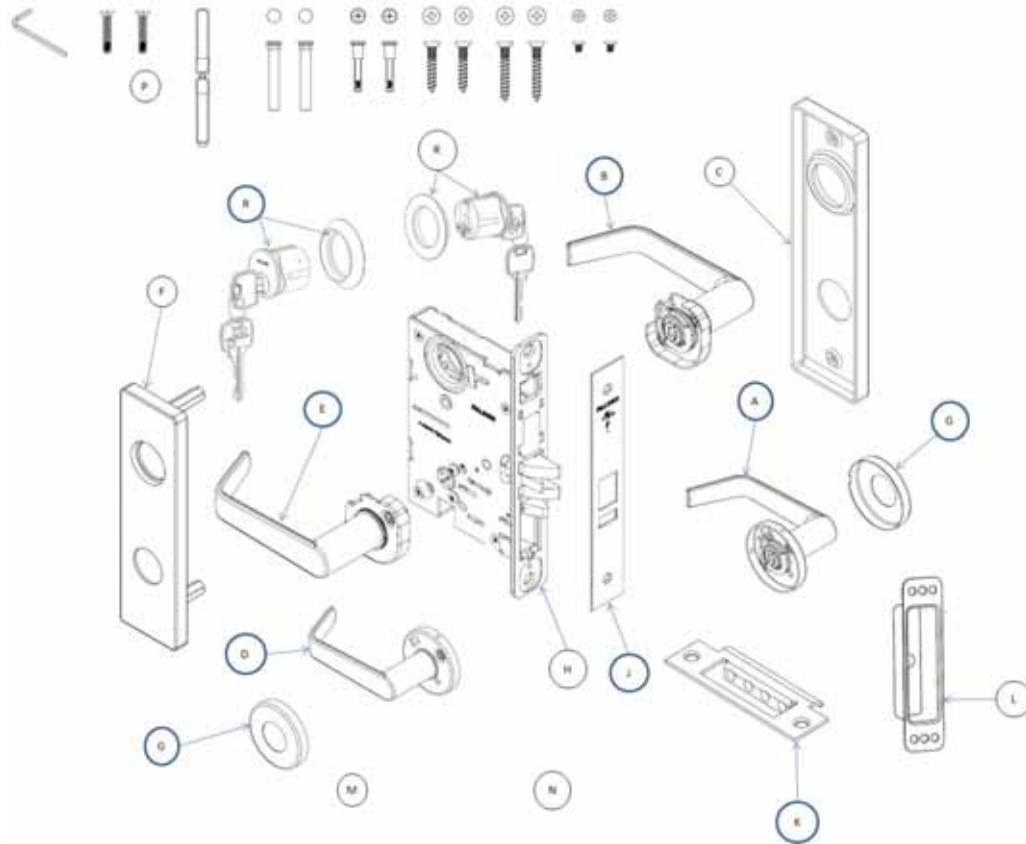


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	E77012-IC				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7814				
FACEPLATE		J	S77819				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		R	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

MA-Series Service Manual

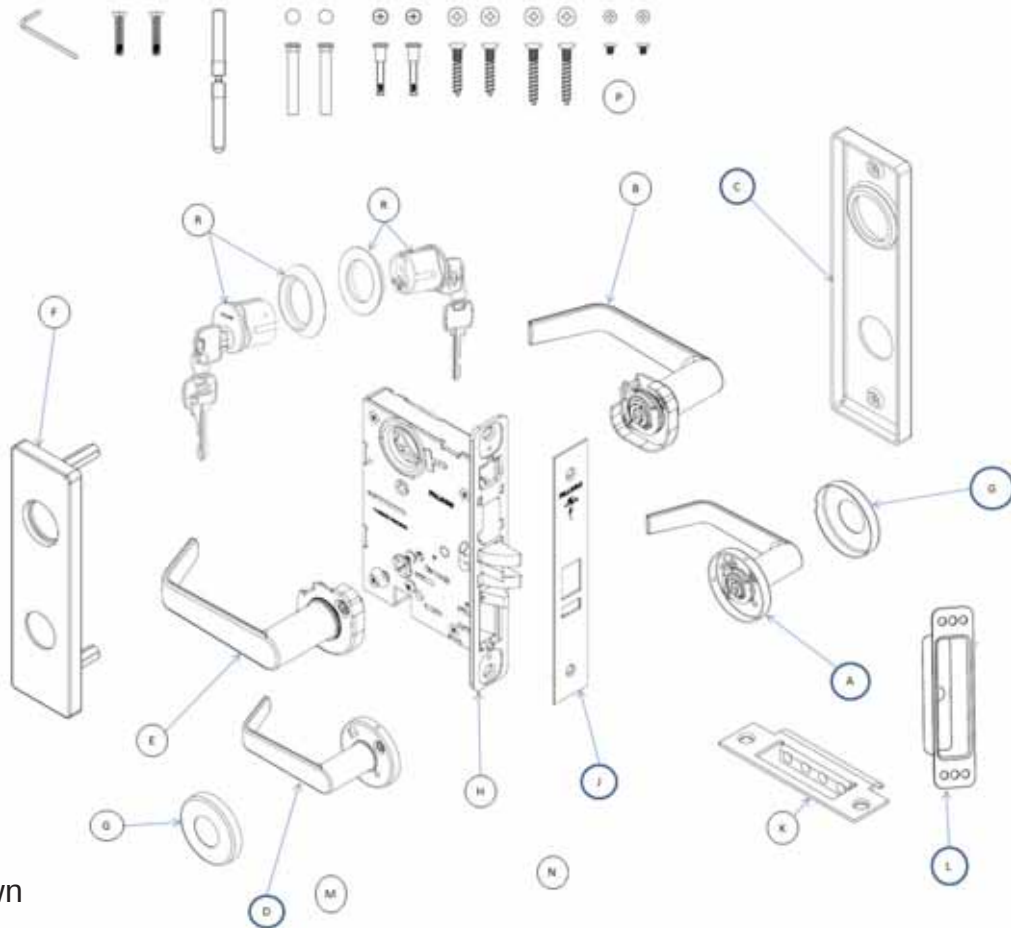
MA381 - Apartment, Exit



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	E77012-IC				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7809				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		R	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

MA411 - Asylum or Institutional Lock

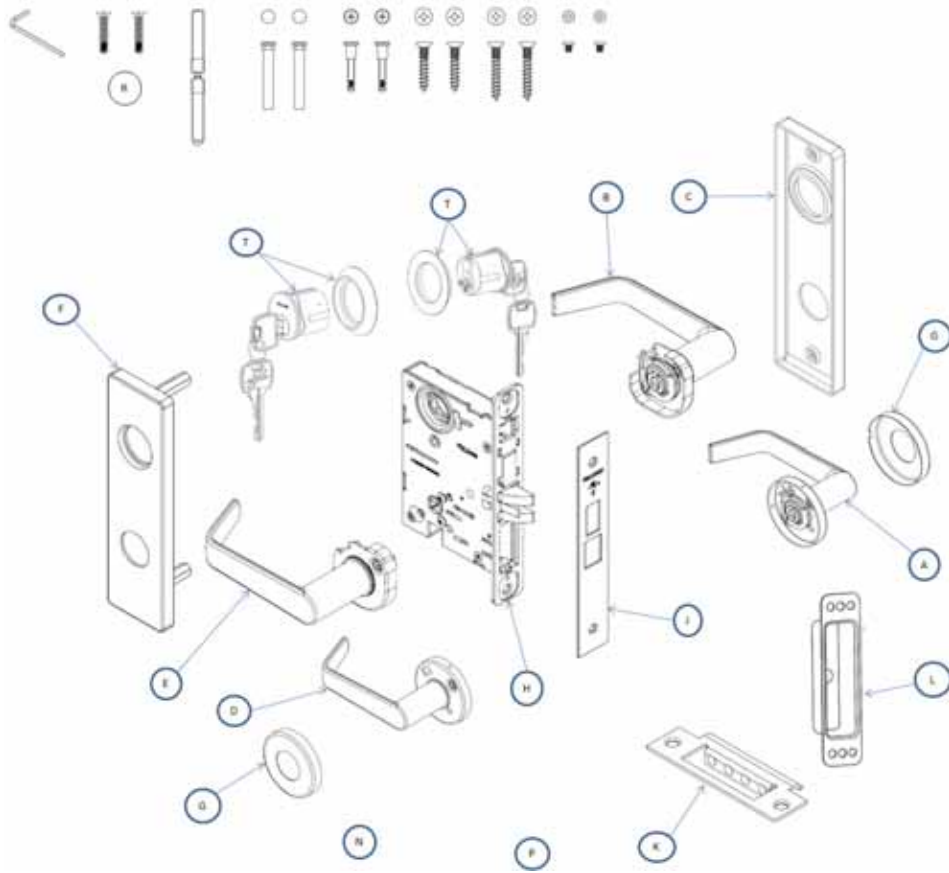


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	E77012-IC				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7830				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		R	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

MA-Series Service Manual

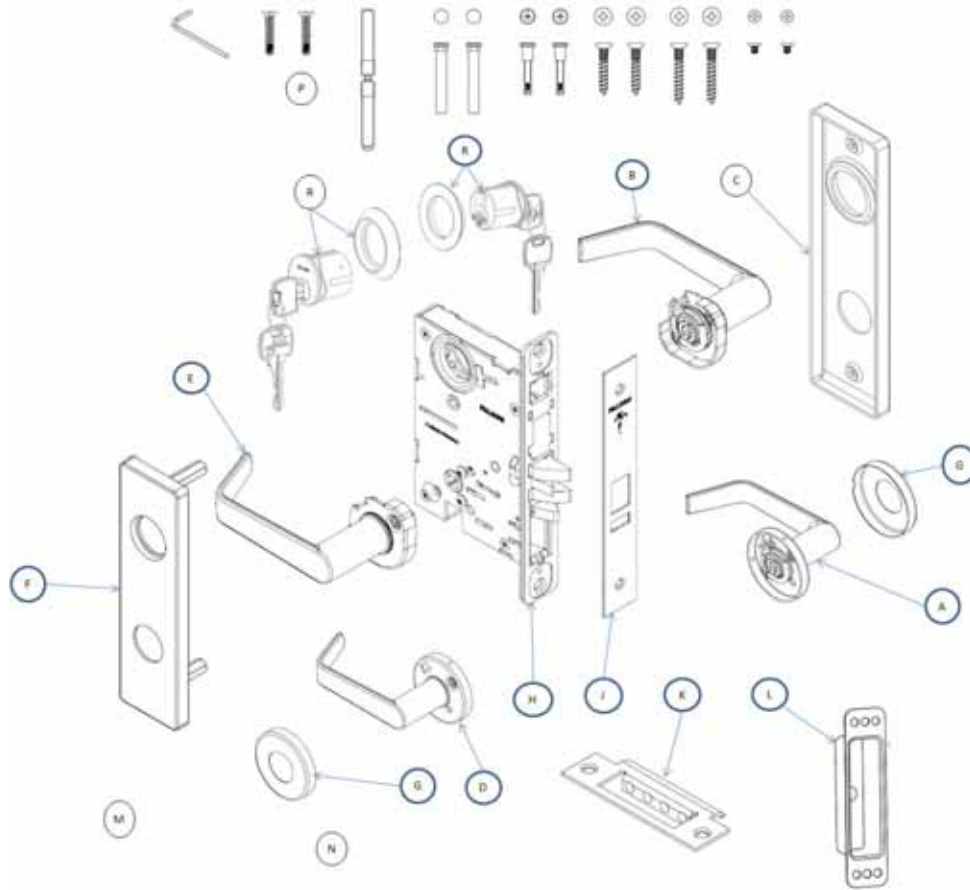
MA431 - Intruder Dead Bolt Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	E77012-IC				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7813				
FACEPLATE		J	S77819				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		T	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

MA441 - Intruder Latch Bolt Lock

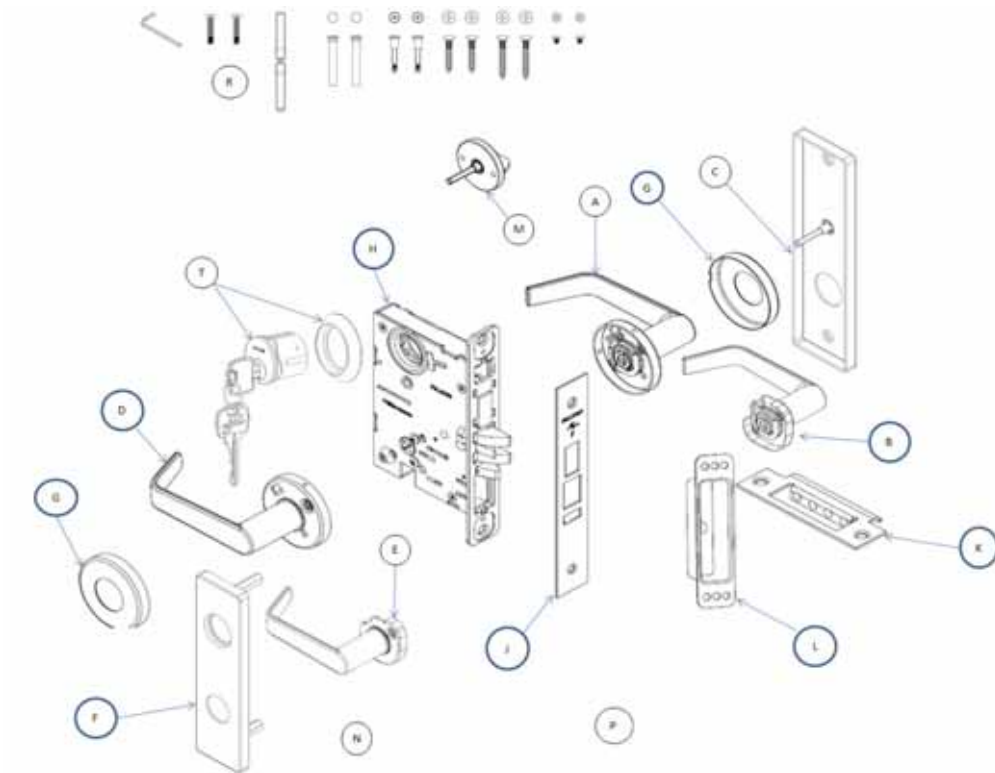


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	E77012-IC				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7832				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		R	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

MA-Series Service Manual

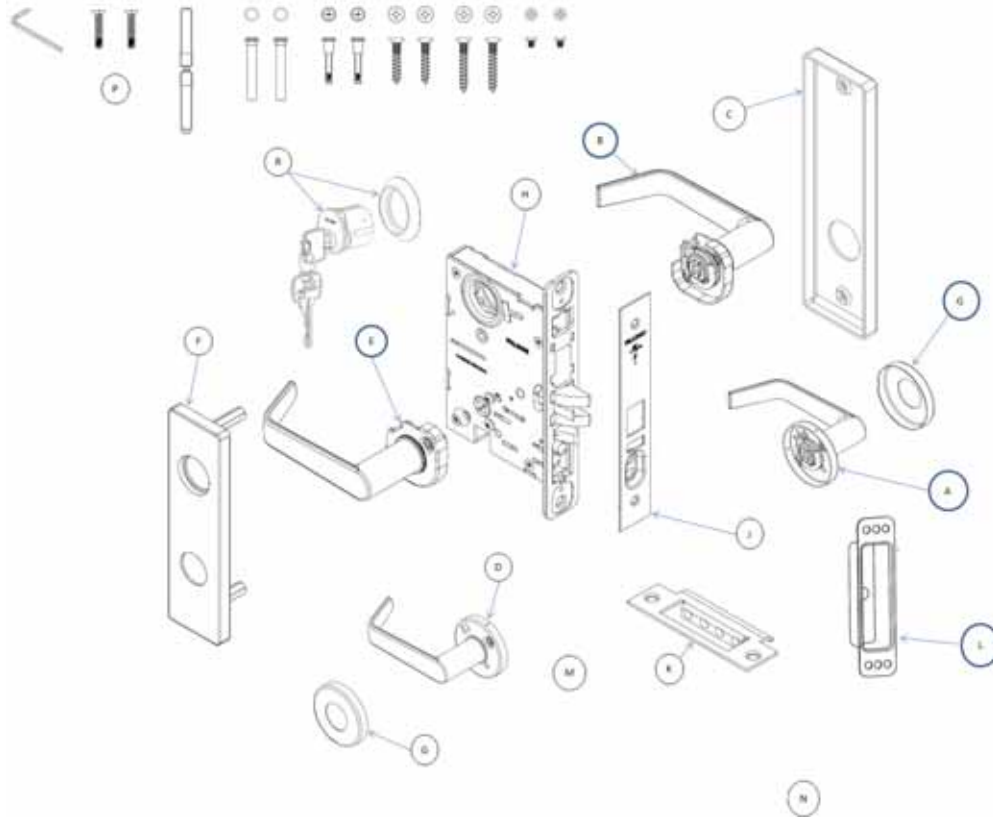
MA451 - Hotel Guest Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	AE77012-IT				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7815				
FACEPLATE		J	S77815				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL		T	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA521 - Entry Lock

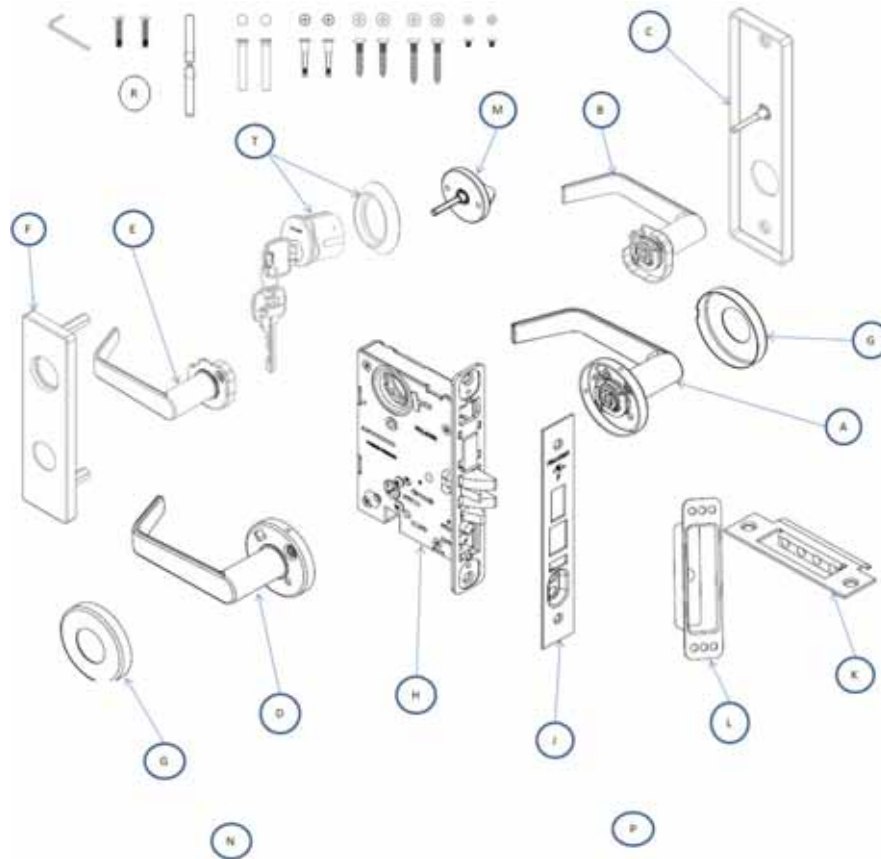


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	E77012-IP				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7804				
FACEPLATE		J	S77804				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL		R	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA-Series Service Manual

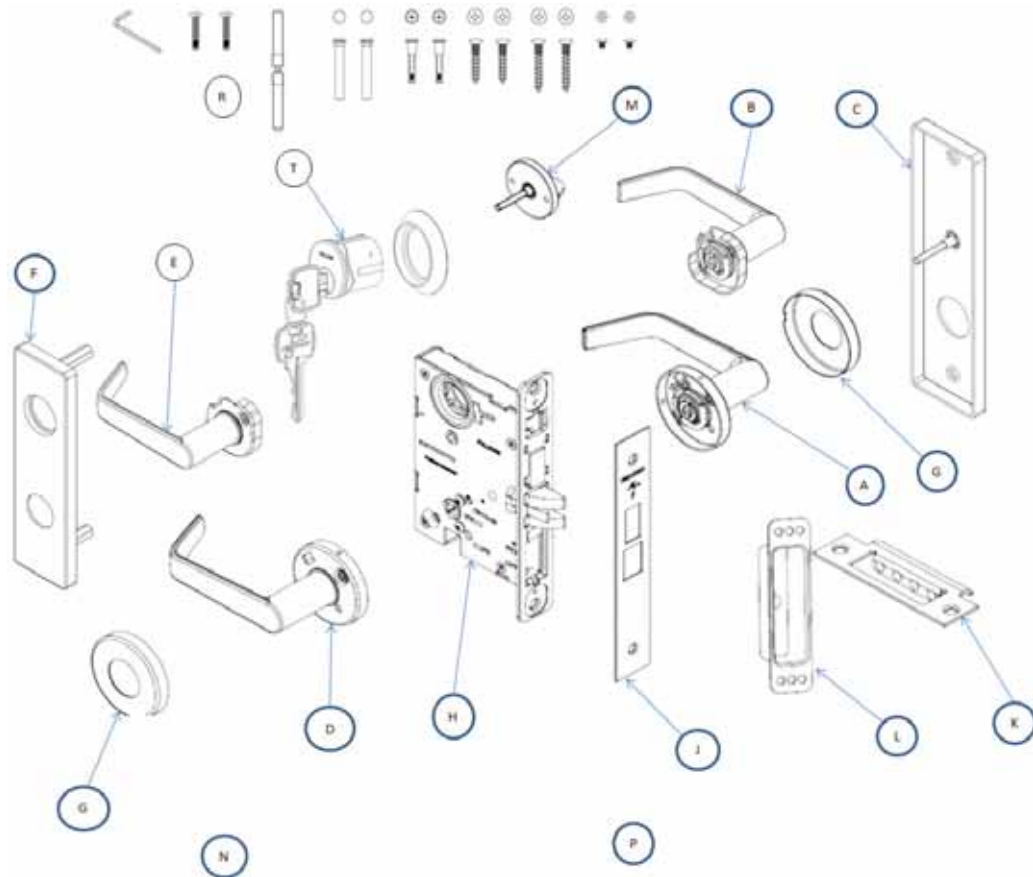
MA531 - Apartment Corridor Door Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	AE77012-IT				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7820				
FACEPLATE		J	S77820				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL		T	See Cylinder Chart on page 39				
CYLINDER, SFIC							

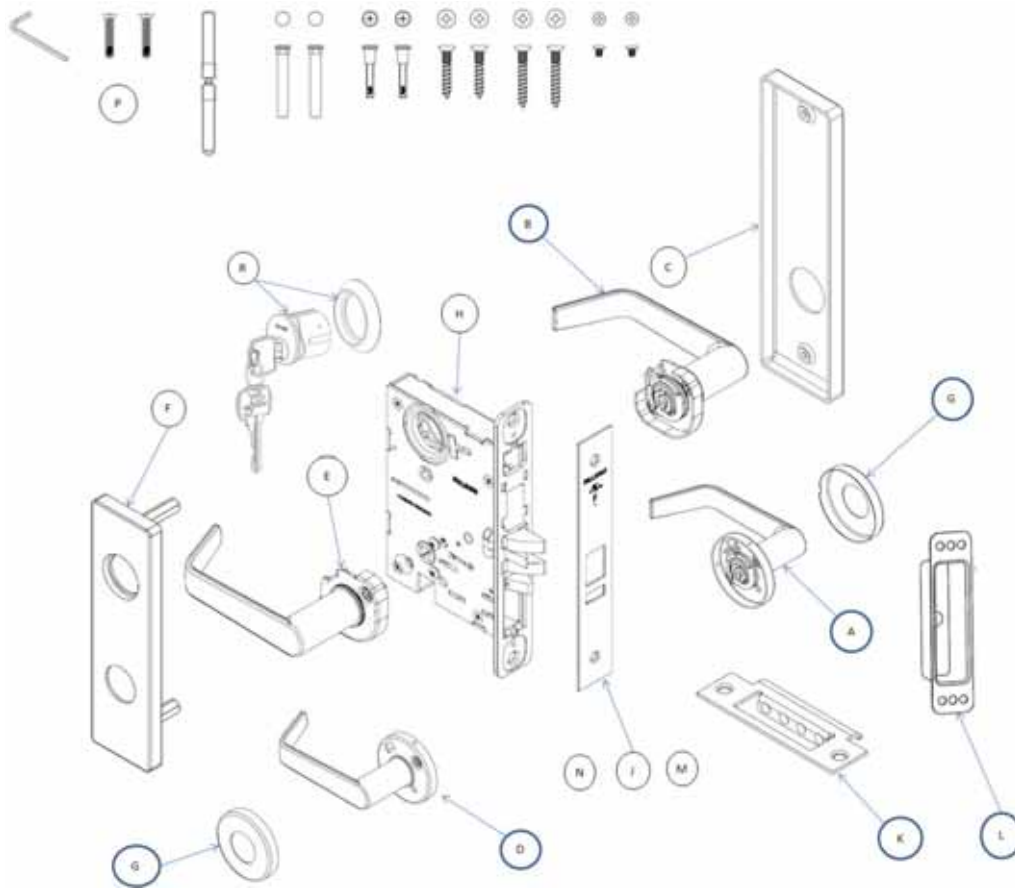
MA541 - Entry/Office Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	AE77012-IT				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7821				
FACEPLATE		J	S77819				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL		T	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA561 - Classroom Lock

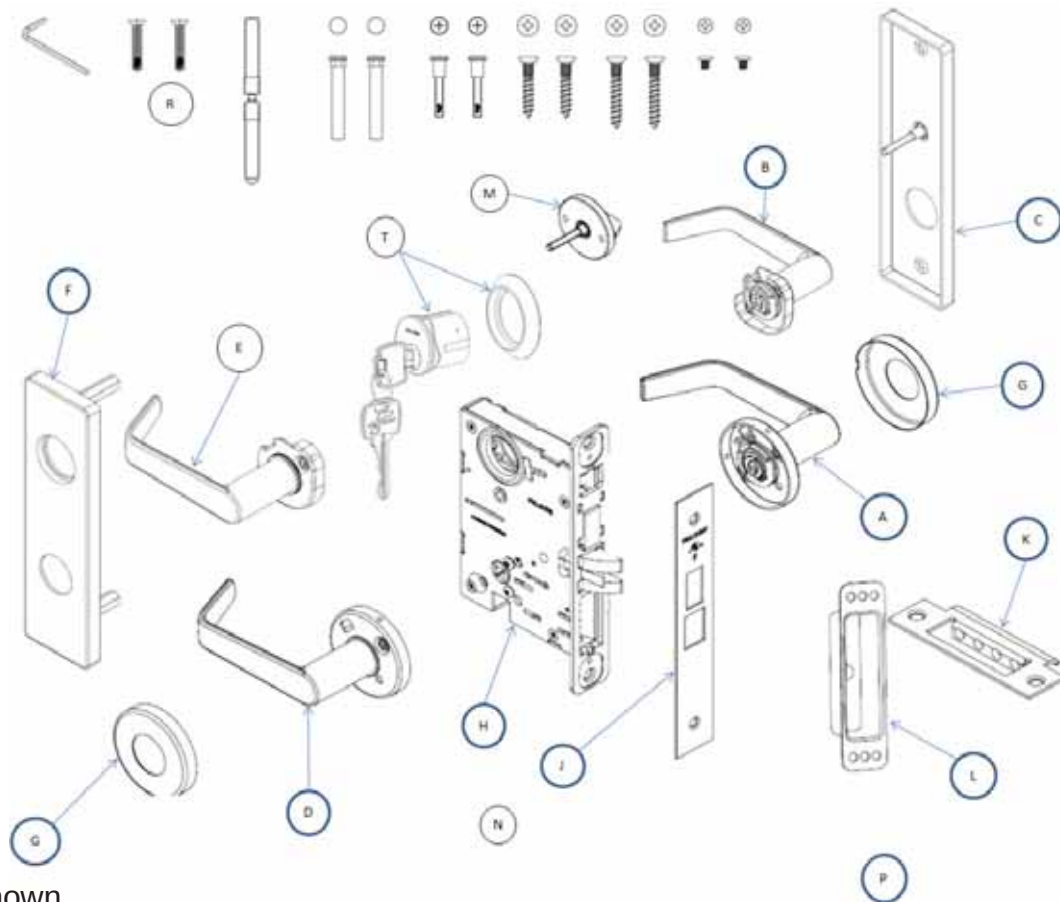


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	E77012-IP				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7805				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL		R	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA-Series Service Manual

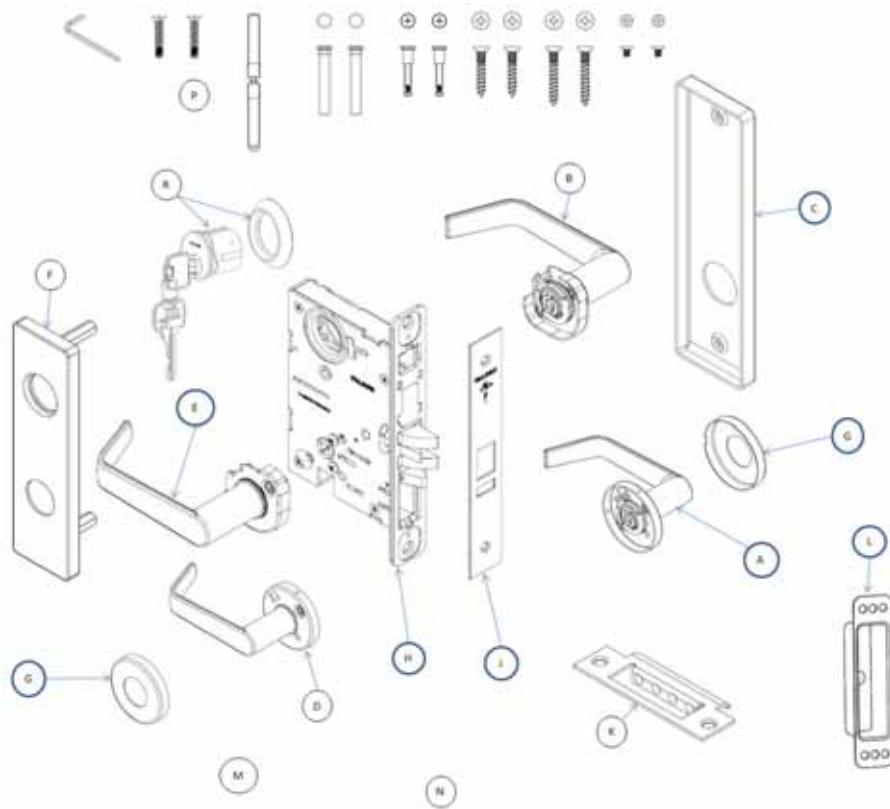
MA571 - Dormitory or Exit Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	AE77012-IT				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7813				
FACEPLATE		J	S77819				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL		T	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA581 - Storeroom / Closet Lock

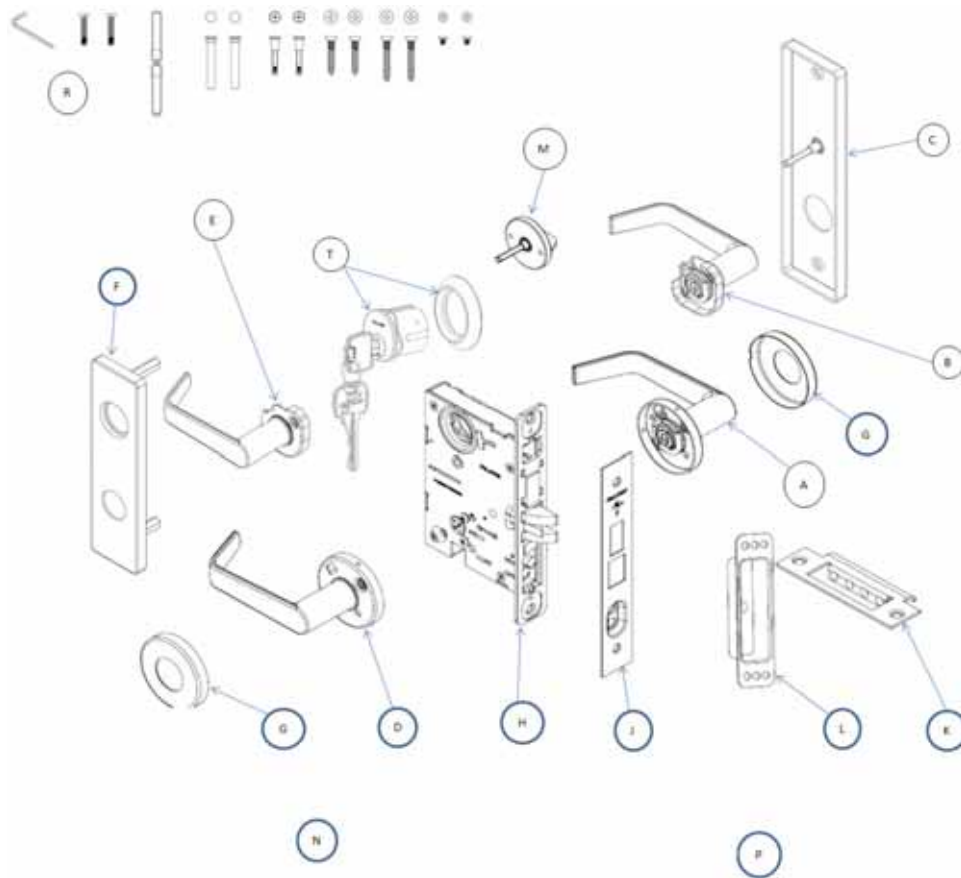


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	E77012-IP				
OUTSIDE TRIM	Knob/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7807				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL		R	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA-Series Service Manual

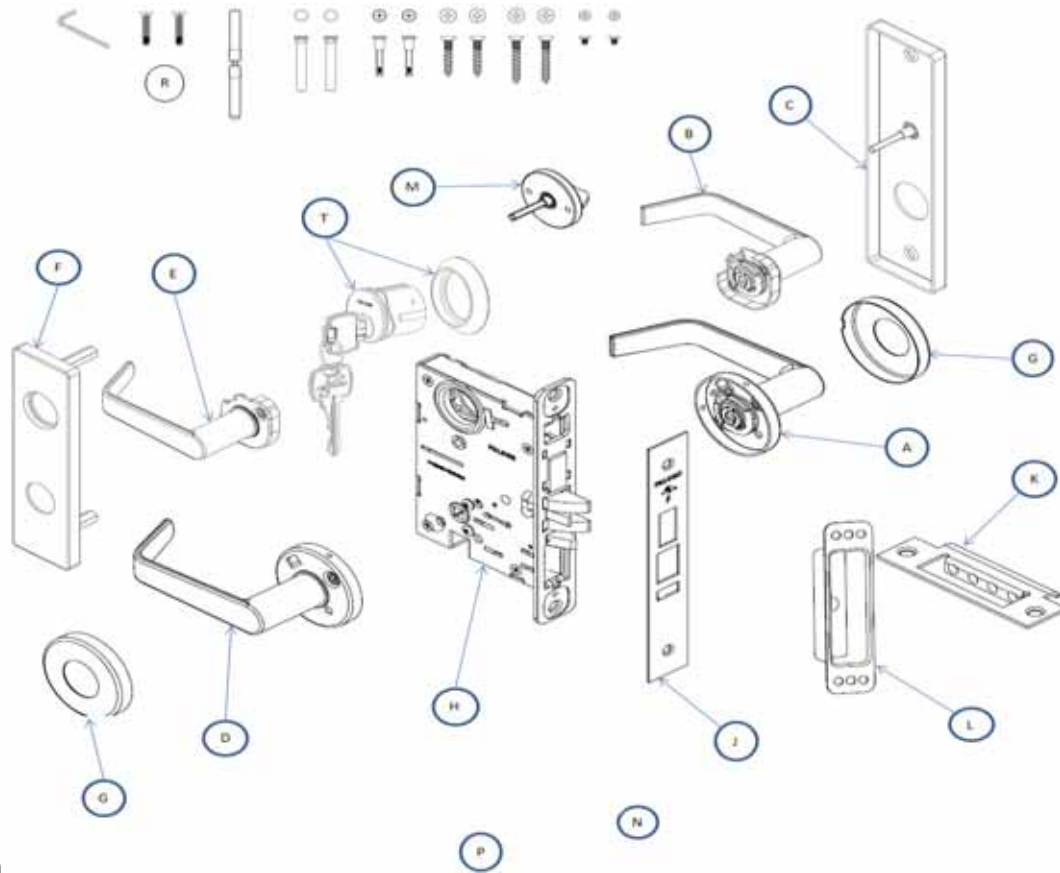
MA621 - Front Door / Apartment Corridor



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	AE77012-IT				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7808				
FACEPLATE		J	S77811				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL		T	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA641 - Dormitory Lock

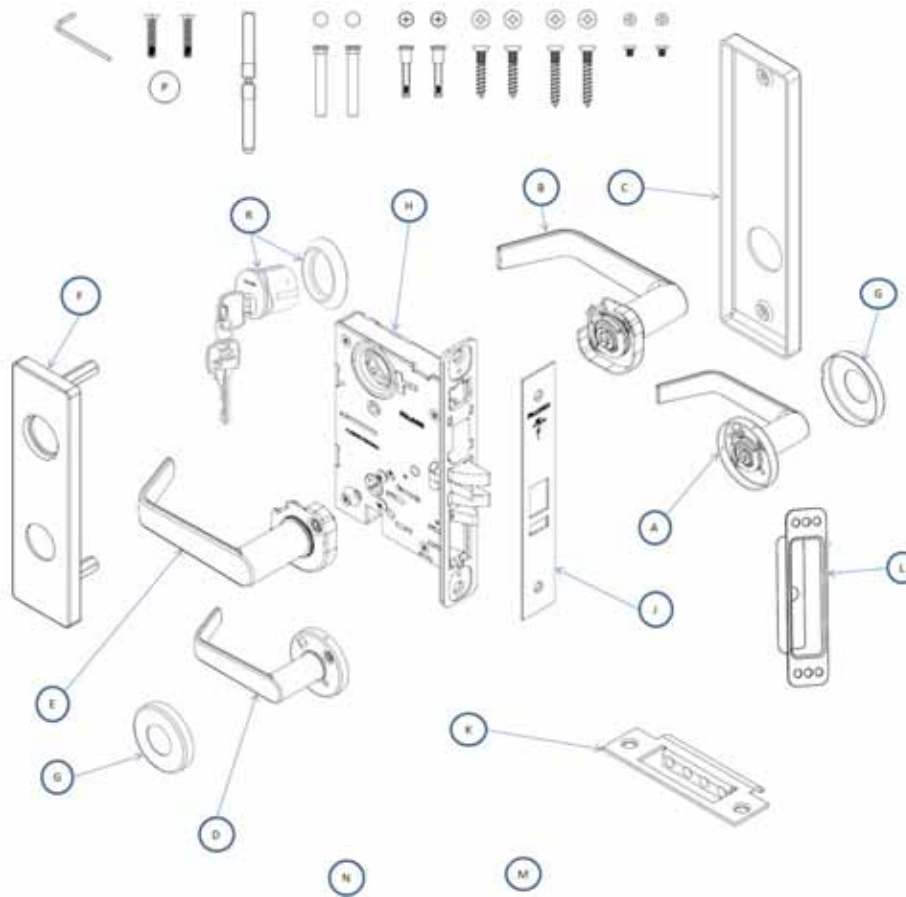


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	AE77012-IT				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7815				
FACEPLATE		J	S77815				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
THUMB TURN		M	AS76319				
DOOR MARKER		N	Q513-068				
INSTRUCTION SHEETS		P	Q513-067				
SCREW PACK		R	See page 34				
CYLINDER, CONVENTIONAL		T	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA-Series Service Manual

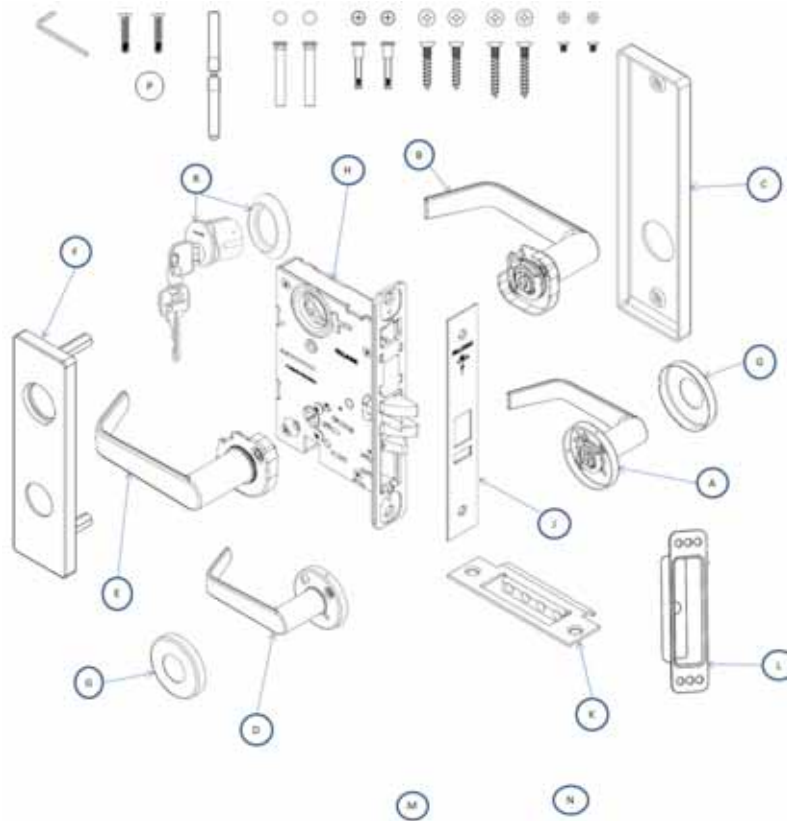
MA851 - Electrified EL - 12 & 24 VDC (Fail Safe)



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	A	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	B	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	C	E77012-IP				
OUTSIDE TRIM	Knob/Lever Sectional	D	AS76280	AS76526	AS76029	AS76140	AS76100
	Knob/Lever Escutcheon	E	AE77280	AE77526	AE77029	AE77140	AE77100
	Escutcheon	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7851				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL		R	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA881 - Electrified EU - 12 & 24 VDC (Fail Secure)

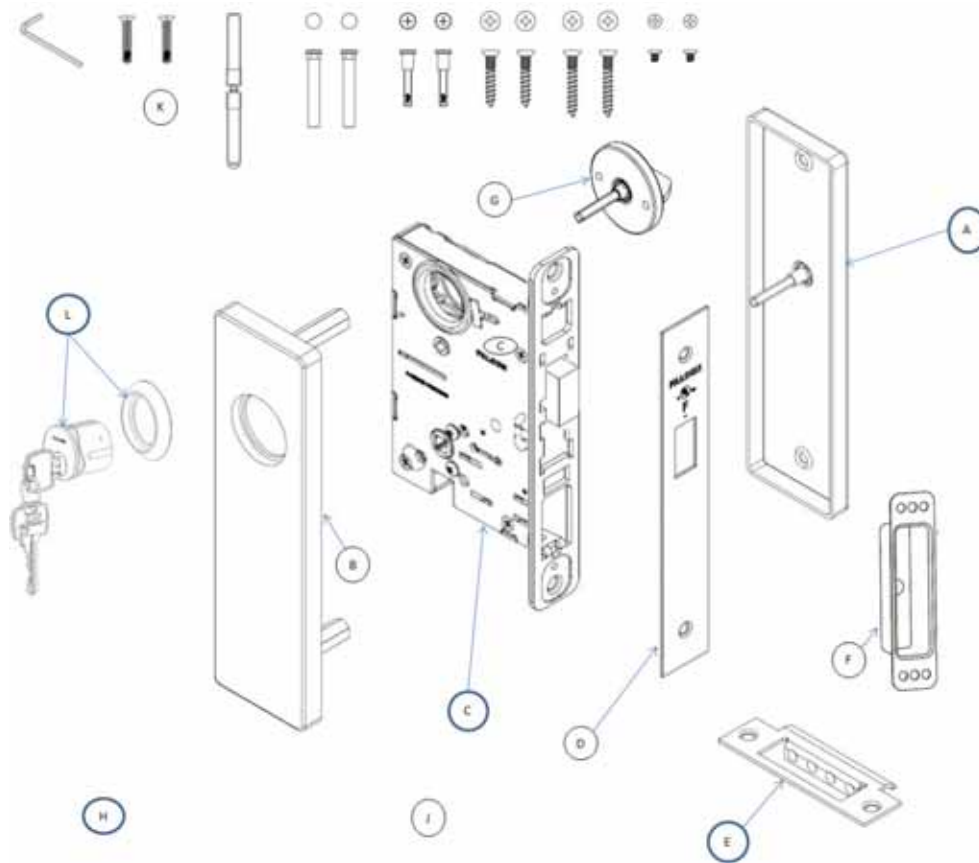


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	B	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	C	E77012-IP				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280	AS76526	AS76029	AS76140	AS76100
	KNOB/LEVER ESCUTCHEON	E	AE77280	AE77526	AE77029	AE77140	AE77100
	ESCUTCHEON	F	AE77012-OC				
ROSE (2 REQ'D)		G	S76012				
ASSY, LOCK UNIT		H	A7881				
FACEPLATE		J	S77805				
STRIKE ASSY		K	A8737-1				
STRIKE BOX		L	PE1396				
DOOR MARKER		M	Q513-068				
INSTRUCTION SHEETS		N	Q513-067				
SCREW PACK		P	See page 34				
CYLINDER, CONVENTIONAL		R	See Cylinder Chart on page 39				
CYLINDER, SFIC							

MA-Series Service Manual

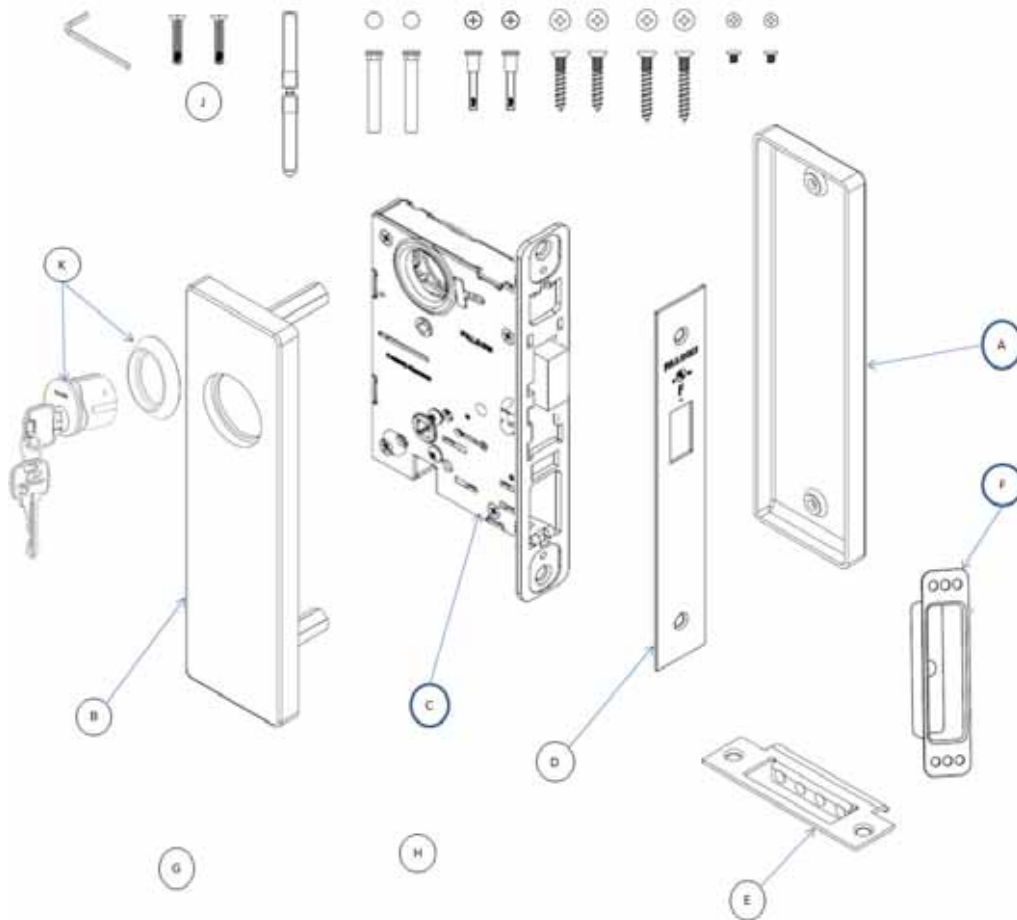
MA911 - Classroom Dead Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	-	N/R	N/R	N/R	N/R	N/R
	Knob/Lever Escutcheon	-	N/R	N/R	N/R	N/R	N/R
	Escutcheon	A	AE77012-IE				
OUTSIDE TRIM	Knob/Lever Sectional	-	N/R	N/R	N/R	N/R	N/R
	Knob/Lever Escutcheon	-	N/R	N/R	N/R	N/R	N/R
	Escutcheon	B	AE77012-OK				
Assy, Lock Unit		C	A7829				
Faceplate		D	S77816				
Strike Assy		E	A8737-1				
Strike Box		F	PE1396				
Thumb Turn		G	AS76319				
Door Marker		H	Q513-068				
Instruction Sheets		J	Q513-067				
Screw Pack		K	See page 34				
Cylinder, Conventional		L	See Cylinder Chart on page 39				
Cylinder, SFIC							

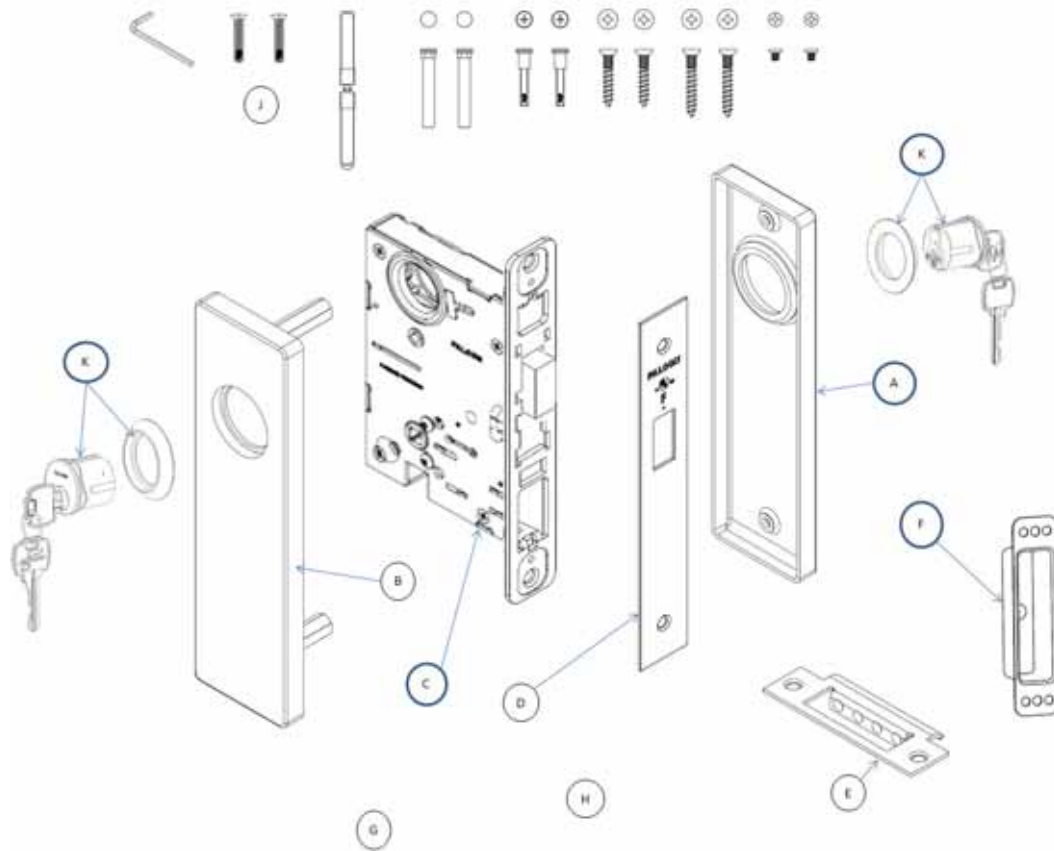
MA921 - Dead Lock



Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	Knob/Lever Sectional	-	N/R	N/R	N/R	N/R	N/R
	Knob/Lever Escutcheon	-	N/R	N/R	N/R	N/R	N/R
	Escutcheon	A	E77012-IB				
OUTSIDE TRIM	Knob/Lever Sectional	-	N/R	N/R	N/R	N/R	N/R
	Knob/Lever Escutcheon	-	N/R	N/R	N/R	N/R	N/R
	Escutcheon	B	AE77012-OK				
Assy, Lock Unit		C	A7816				
Faceplate		D	S77816				
Strike Assy		E	A8737-1				
Strike Box		F	PE1396				
Door Marker		G	Q513-068				
Instruction Sheets		H	Q513-067				
Screw Pack		J	See page 34				
Cylinder, Conventional		K	See Cylinder Chart on page 39				
Cylinder, SFIC							

MA-Series Service Manual

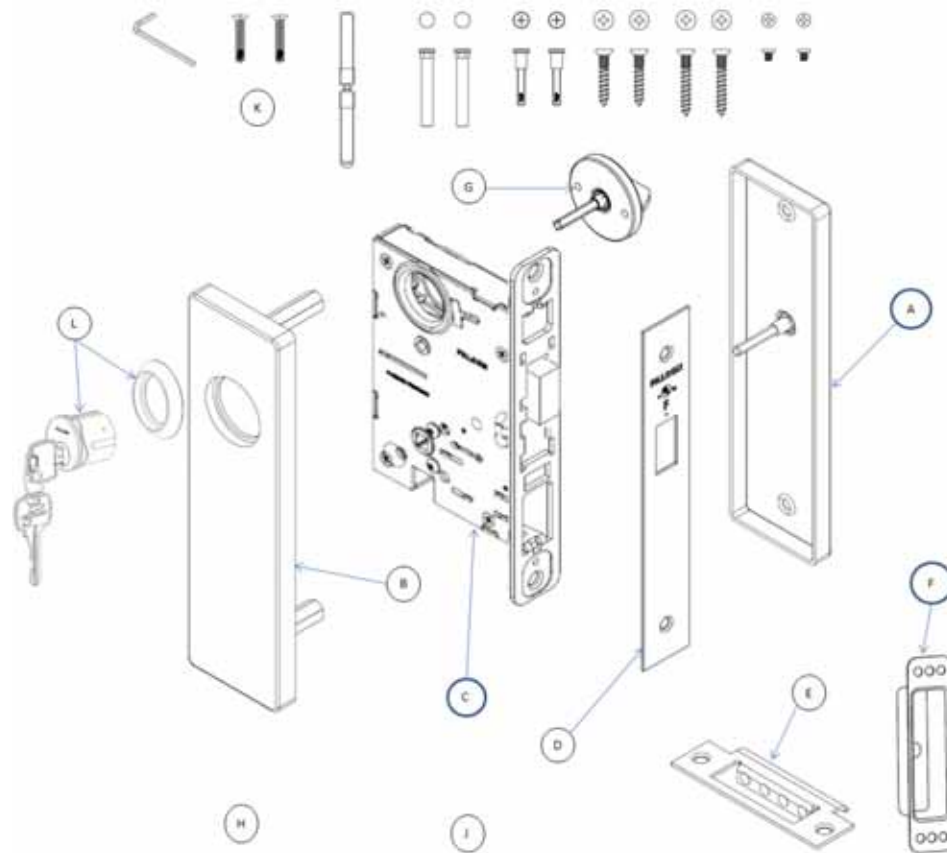
MA931 - Dead Lock



SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	-	N/R	N/R	N/R	N/R	N/R
	KNOB/LEVER ESCUTCHEON	-	N/R	N/R	N/R	N/R	N/R
	ESCUTCHEON	A	E77012-IK				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	-	N/R	N/R	N/R	N/R	N/R
	KNOB/LEVER ESCUTCHEON	-	N/R	N/R	N/R	N/R	N/R
	ESCUTCHEON	B	AE77012-OK				
ASSY, LOCK UNIT		C	A7816				
FACEPLATE		D	S77816				
STRIKE ASSY		E	A8737-1				
STRIKE BOX		F	PE1396				
DOOR MARKER		G	Q513-068				
INSTRUCTION SHEETS		H	Q513-067				
SCREW PACK		J	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		K	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

MA941 - Dead Lock

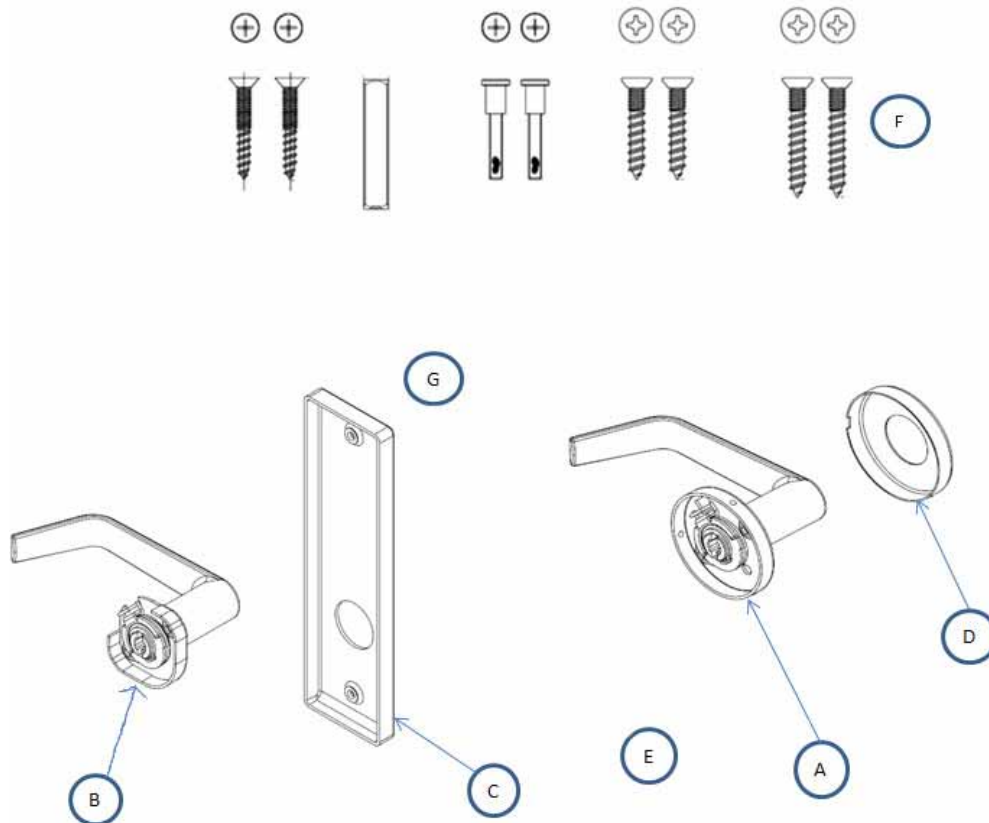


SFIC Not Shown

Description			Trim				
			Lever				Knob
			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	-	N/R	N/R	N/R	N/R	N/R
	KNOB/LEVER ESCUTCHEON	-	N/R	N/R	N/R	N/R	N/R
	ESCUTCHEON	A	AE77012-IE				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	-	N/R	N/R	N/R	N/R	N/R
	KNOB/LEVER ESCUTCHEON	-	N/R	N/R	N/R	N/R	N/R
	ESCUTCHEON	B	AE77012-OK				
ASSY, LOCK UNIT		C	A7816				
FACEPLATE		D	S77816				
STRIKE ASSY		E	A8737-1				
STRIKE BOX		F	PE1396				
THUMBTURN		G	AS76319				
DOOR MARKER		H	Q513-068				
INSTRUCTION SHEETS		J	Q513-067				
SCREW PACK		K	See page 34				
CYLINDER, CONVENTIONAL (2 REQ'D)		L	See Cylinder Chart on page 39				
CYLINDER, SFIC (2 REQ'D)							

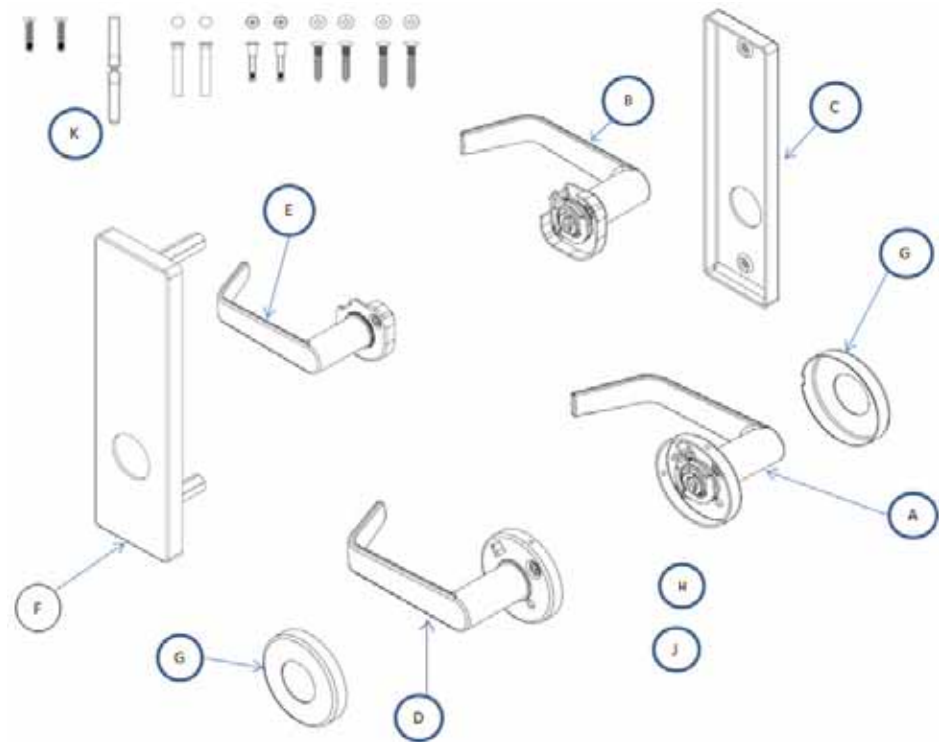
MA-Series Service Manual

MA12 - Single Dummy



Knob/Lever on One Side Fixed			Trim				
			Lever				Knob
Description			Dane	Sutro	Avalon	Quantum	Hana
TRIM	KNOB/LEVER SECTIONAL	A	AS76280-D	AS76526-D	AS76029-D	AS76140-D	AS76100-D
	KNOB/LEVER ESCUTCHEON	B	AE77280-D	AE77526-D	AE77029-D	AE77140-D	AE77100-D
	ESCUTCHEON	C	E77012-IP				
ROSE		D	S76012				
DOOR MARKER		E	Q513-068				
SCREW PACK		F	E77331				
TORX SCREW PACK (OPTIONAL)			E77308				
INSTRUCTION SHEET		G	Q513-067				

MA18 - Double Dummy



Knob/Lever on Both Sides Fixed			Trim				
			Lever				Knob
Description			Dane	Sutro	Avalon	Quantum	Hana
INSIDE TRIM	KNOB/LEVER SECTIONAL	A	AS76280-D	AS76526-D	AS76029-D	AS76140-D	AS76100-D
	KNOB/LEVER ESCUTCHEON	B	AE77280-D	AE77526-D	AE77029-D	AE77140-D	AE77100-D
	ESCUTCHEON	C	E77012-IP				
OUTSIDE TRIM	KNOB/LEVER SECTIONAL	D	AS76280-D	AS76526-D	AS76029-D	AS76140-D	AS76100-D
	KNOB/LEVER ESCUTCHEON	E	AE77280-D	AE77526-D	AE77029-D	AE77140-D	AE77100-D
	ESCUTCHEON	F	AE77012-0P				
ROSE (2 REQ'D)		G	S76012				
DOOR MARKER		H	Q513-068				
INSTRUCTION SHEETS		J	Q513-067				
SCREW PACK		K	See page 34				

Levers

Gala

AG (Avalon-Gala)



DG (Dane-Gala)



QG (Quantum-Gala)

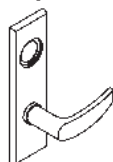


SG (Sutro-Gala)

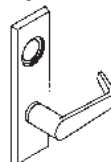


Napa

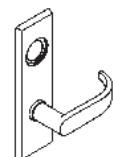
AN (Avalon-Napa)



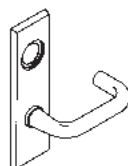
DN (Dane-Napa)



QN (Quantum-Napa)



SN (Sutro-Napa)



Knobs

HG (Hana-Gala)



HN (Hana-Napa)



MA-Series Screw Packs

Part Number	Description	Use	Specify Finish
S76300	#8-32 x 1/4" L Machine Screw	1 3/8"-1 7/8" door thickness, sectional trim with levers	•
	#12-12/ #12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/4" L Mounting Screw		
	Ø 1/4" x 1 1/16" L Post		
	5/16" x 1 9/16" L x 2 pcs STD Sindle Assembly		
	3/32" Allen Wrench		
S76301	#8-32 x 1/4" L Machine Screw	Over 1 7/8"-2 1/2" door thickness, sectional trim with levers	•
	#12-12/ #12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/2" L Mounting Screw		
	Ø 1/4" x 2 1/4" L Post		
	5/16" x 1 7/8" L x 2 pcs EXT Sindle Assembly		
	3/32" Allen Wrench		
S76302	#8-32 x 1/4" L Machine Screw	1 3/8"-1 7/8" door thickness, sectional trim with knobs	•
	#12-12/ #12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/4" L Mounting Screw		
	Ø 1/4" x 1 1/16" L Post		
	5/16" x 1 1/4" L x 2 pcs STD Sindle Assembly		
	3/32" Allen Wrench		
S76303	#8-32 x 1/4" L Machine Screw	Over 1 7/8"-2 1/2" door thickness, sectional trim with knobs	•
	#12-12/ #12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/2" L Mounting Screw		
	Ø 1/4" x 2 1/4" L Post		
	5/16" x 1 9/16" L x 2 pcs EXT Sindle Assembly		
	3/32" Allen Wrench		
S76306	#8-32 x 1/4" L Torx Head Machine Screw	Torx screw pack, sectional trim, no turn	•
	#12-12/ #12-24 x 1 1/2" L Torx Head Wood/machine Combination Screw		
S76307	#8-32 x 1/4" L Torx Head Machine Screw	Torx screw pack, sectional trim, with turn	•
	#12-12/ #12-24 x 1 1/2" L Torx Head Wood/machine Combination Screw		
	#6 x 1/2" Torx Head Sheet Metal Screw		
S76331	#8-32 x 1/4" L Machine Screw	Single Dummy Screw Pack	•
	#12-12/ #12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/4" L Mounting Screw		
	5/16" x 1 9/16" L STD Spindle		
	Ø 0.027" Wire, OD; Ø 5/16" x 1 3/8" L Spring		
	3/32" Allen Wrench		

Part Number	Description	Use	Specify Finish
E77300	#8-32 x 1/4" L Machine Screw	1 3/8"-1 7/8" door thickness, escutcheon trim with levers	•
	#12-12/ #12-24 x 1 1/2" Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/4" L Mounting Screw		
	Ø 1/4" x 1 1/16" L Post		
	5/16" x 1 9/16" L x 2 pcs STD Sindle Assembly		
	#10-24 x 1 1/4" Machine Screw		
	3/32" Allen Wrench		
E77301	#8-32 x 1/4" L Machine Screw	Over 1 7/8"-2 1/2" door thickness, escutcheon trim with levers	•
	#12-12/ #12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/ #12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/2" L Mounting Screw		
	Ø 1/4" x 2 1/4" L Post		
	5/16" x 1 7/8" L x 2 pcs EXT Sindle Assembly		
	#10-24 x 2" Machine Screw		
	3/32" Allen Wrench		
E77302	#8-32 x 1/4" L Machine Screw	1 3/8"-1 7/8" door thickness, escutcheon trim with knobs	•
	#12-12/#12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/#12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/4" L Mounting Screw		
	Ø 1/4" x 1 1/16" L Post		
	5/16" x 1 1/4" L x 2 pcs STD Knob Spindle Assembly		
	#10-24 x 1 1/4" L Machine Screw		
	3/32" Allen Wrench		
E77303	#8-32 x 1/4" L Machine Screw	Over 1 7/8"-2 1/2" door thickness, escutcheon trim with knobs	•
	#12-12/#12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/#12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/2" L Trim Screw		
	Ø 1/4" x 1 1/16" L Post		
	5/16" x 1 9/16" L x 2 pcs EXT Spindle Assembly		
	#10-24 x 2" L Machine Screw		
	3/32" Allen Wrench		
E77306	#8-32 x 1/4" L Torx Head Machine Screw	Torx screw pack, escutcheon trim, standard door thickness*	•
	#12-12/#12-24 x 1 1/2" L Torx Head Wood/machine Combination Screw		
	#10-24 x 1 1/4" L Torx Head, Machine Screw		
E77307	#8-32 x 1/4" L Torx Head Machine Screw	Torx screw pack, escutcheon trim, extended door thickness**	•
	#12-12/#12-24 x 1 1/2" L Torx Head Wood/machine Combination Screw		
	#10-24 x 2" L Torx Head Machine Screw		
E77308	#8-32 x 1/4" L Torx Head Machine Screw	Torx screw pack, rose escutcheon connection door	•
	#12-12/#12-24 x 1 1/2" L Torx Head Wood/machine Screw		
	#10-24/#10 x 1 1/4" L Torx Head Wood/machine Screw		

Part Number	Description	Use	Specify Finish
E77331	#8-32 x 1/4" L Machine Screw	Screw pack, escutcheon connecting door	•
	#12-12/#12-24 x 1 1/2" L Wood/machine Combination Screw		
	#12-12/#12-24 x 1 1/4" L Wood/machine Combination Screw		
	#8-32 x 1 1/4" L Mounting Screw		
	5/16" x 1 9/16" L STD Spindle		
	#10-24/#10 x 1 1/4" L Wood/machine Combination Screw		
	Ø 0.027 Wire, Ø 5/16" O.D. x 1 3/8" L Spring		
	3/32" Allen Wrench		

* 1 3/8"-1 7/8" Thick

** Over 1 7/8"-2 1/2" Thick

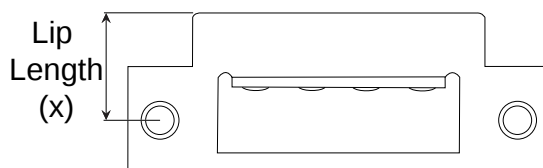
Available in finishes 606, 613, 630

Non torx screw packs contain armor front screws, strike screws, trim screws, mortise screws, spindle, mounting posts

Torx screw packs contain armor front, strike, and trim screws only

Strikes

Strike	Lip Length (x)	Lip
A8737-1	1 1/4"	Curved Lip
A8737-2	1 7/16"	Curved Lip
A8737-3	1 9/16"	Curved Lip
A8737-4	1 11/16"	Curved Lip
A8737-5	7/8"	Straight Lip



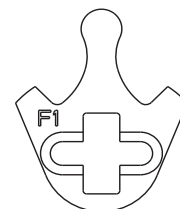
Cams

CAMs for Falcon Cylinders

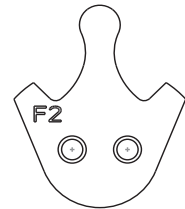
The Falcon MA Series requires a different CAM for keyed functions than its predecessor, the Falcon M Series. For all keyed functions except the MA381 function, the MA Series uses a single CAM for all standard mortise cylinders and a single CAM for all interchangeable core mortise cylinders. The chart below lists the CAM required.

Door Handing	CAM Part Number	Outside	Inside	For Cylinder
ALL	5622-STD (F1)	MA371, MA411, MA431, MA441, MA451, MA521, MA531, MA541, MA551, MA561, MA571, MA581, MA621, MA641, MA851, MA881, MA911, MA921, MA931, MA941	MA371, MA411, MA431, MA441, MA931	STANDARD CYLINDER
ALL	5622-IC (F2)	MA371, MA411, MA431, MA441, MA451, MA521, MA531, MA541, MA551, MA561, MA571, MA581, MA621, MA641, MA851, MA881, MA911, MA921, MA931, MA941	MA371, MA411, MA431, MA441, MA931	INTERCHANGEABLE CORE

The new Falcon MA Series MA381 function uses unique CAMs to operate the lock. Different CAMs are required, depending on the handing of the lock. The charts on the next page indicate which CAMs are to be used for each configuration.



5622

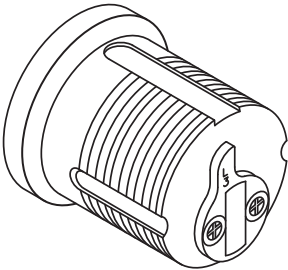


5622-IC

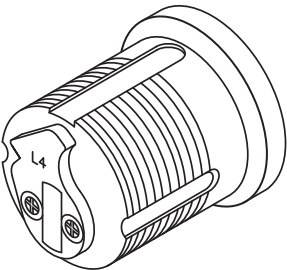
Falcon MA381 Cylinder CAM Configuration Chart		
Door Hand	Inside Cyl. Cam	Outside Cyl. Cam
RH/RHR	5620-STD (R3)	5621-STD (R4)
LH/LHR	5620-STD (L3)	5621-STD (L4)

Falcon MA381 Cylinder CAM Configuration Chart (Interchangeable Core)		
Door Hand	Inside Cyl. Cam	Outside Cyl. Cam
RH/RHR	5620-IC (R3)	5621-IC (R4)
LH/LHR	5620-IC (L3)	5621-IC (L4)

LH/LHR

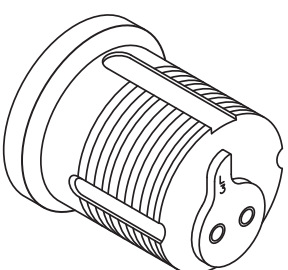


Inside (L3)

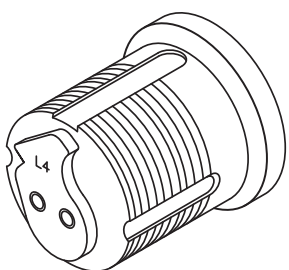


Outside (L4)

LH/LHR IC

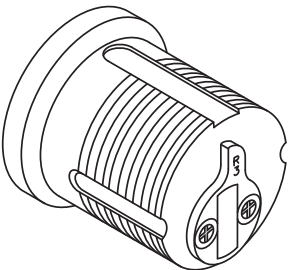


Inside (L3)

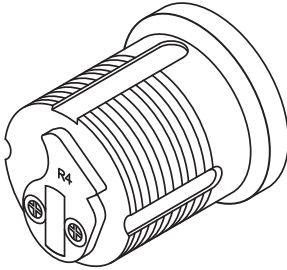


Outside (L4)

RH/RHR

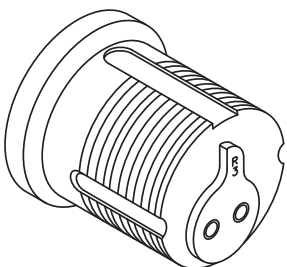


Inside (R3)

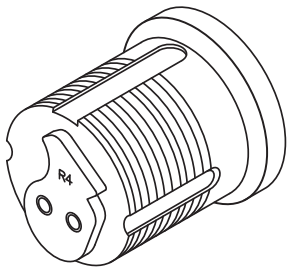


Outside (R4)

RH/RHR IC



Inside (R3)



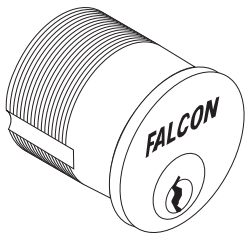
Outside (R4)

Complete cylinders can also be ordered for the MA381 function that will include the correct CAM (the door hand must be specified when ordering cylinders for the MA381).

CAMs for Schlage Cylinders

The Schlage Classic cylinders (C, E, and CE keyways) will also operate the Falcon MA Series locks using the 5622-STD CAM.

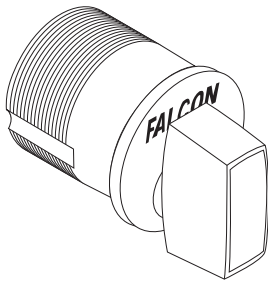
Mortise, Rim and Cam Lock for Standard Cylinders



Note: Specify finish: 605, 606, 613, 625, 626, 630

Mortise Cylinder

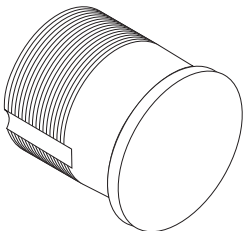
Cylinders are furnished with #5622 cam unless otherwise specified.
See table for product numbers.
See page 37 for optional cams and 41 for collars.



Note: Specify finish: 605, 606, 613, 625, 626, 630

Thumbturn Cylinder

Furnished with #5622 cam unless otherwise specified.
See table for product numbers.
See page 37 for optional cams and 41 for collars.



Note: Specify finish: 605, 606, 613, 625, 626, 630

Dummy Cylinder

Used to plug hole in door where lock remains but cylinder operation is no longer needed.
984 D 1"
985 D 1-1/8"

Keyed Mortise Cylinders

Catalog Number	Length	Pins	Application
985	1-1/8"	5 or 6	Generic
986	1-1/4"	5 or 6	Generic
987	1-3/8"	6 or 7	Generic
988	1-1/2"	6 or 7	Generic
990	1-3/4"	6 or 7	Generic
992	2"	6 or 7	Generic
250	1-1/8"	6	M451 hotel function
251	1-1/4"	6	M451 hotel function
252	1-3/8"	6	M451 hotel function
253	1-3/8"	7	M451 hotel function

Thumbturn Mortise Cylinders

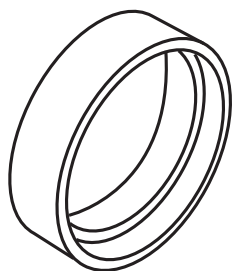
Catalog Number	Length	Pins	Application
985T	1-1/8"	-	Generic
986T	1-1/4"	-	Generic
973	1-1/8"	-	M911 Classroom Thumbturn, RH (CCW)
974	1-1/8"	-	M911 Classroom thumbturn, LH (CW)

Cylinder Collars

Standard Collars for Cylinders Ordered Separately

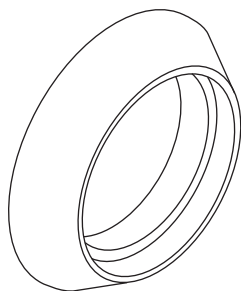
Length	Cylinder	Non-AR Cams	AR Cam
1"	984D	A08794-000	-
1-1/8"	250, 965, 966, 973, 974, 985 Series	A08794-000	008876-002
1-1/4"	251, 986 Series	A08794-001	008876-003
1-3/8"	252, 253, 987, C987, C997	A08794-002	008876-004
Longer	C260 Series, (C)988, (C)990, (C)992	A08794-000	008876-000

Escutcheon Trim Rings



Door Thickness	Function	985 1-1/8"	986 1-1/4"	(C)987 1-3/8"	(C)988 1-1/2"
1-1/2"	Single cylinder	-	A08790-000	A08790-001	A08790-002
1-1/2"	Double cylinder	A08790-000	-	-	-
1-3/4"	Single cylinder	-	-	A08790-000	A08790-001
1-3/4"	Double cylinder	-	A08790-000	A08790-001	A08790-002
2"	Single cylinder	-	-	A08790-000	A08790-001
2"	Double cylinder	-	-	A08790-000	A08790-001
2-1/4"	Single cylinder	-	-	-	A08790-000
2-1/4"	Double cylinder	-	-	-	-
2-1/2"	Single cylinder	-	-	-	-
2-1/2"	Double cylinder	-	-	-	-

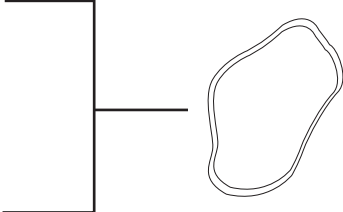
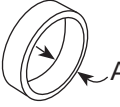
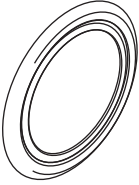
Sectional Trim Rings



Door Thickness	Function	985 1-1/8"	986 1-1/4"	(C)987 1-3/8"	(C)988 1-1/2"
1-1/2"	Single cylinder	A08794-001	A08794-002	-	-
1-1/2"	Double cylinder	A08794-002	A08794-003	-	-
1-3/4"	Single cylinder	A08794-000	A08794-001	-	-
1-3/4"	Double cylinder	A08794-001	A08794-002	A08794-002	-
2"	Single cylinder	-	A08794-000	A08794-001	A08794-002
2"	Double cylinder	A08794-000	A08794-001	A08794-002	A08794-003
2-1/4"	Single cylinder	-	-	A08794-000	A08794-001
2-1/4"	Double cylinder	-	A08794-000	A08794-001	A08794-002
2-1/2"	Single cylinder	-	-	-	A08794-000
2-1/2"	Double cylinder	-	-	A08794-000	A08794-001

Specify part number and finish when ordering.
(e.g. A08790-000-626)

Trim Rings & Collars

	Dim. A	Dim. B	Part No.	
	3/32"	9/32"	A08790-000	
	7/32"	13/32"	A08790-001	
	11/32"	17/32"	A08790-002	
	15/32"	21/32"	A08790-003	
	43/64"	55/64"	A08790-004	
	3/32"	9/32"	A08794-000	
	7/32"	13/32"	A08794-001	
	11/32"	17/32"	A08794-002	
	15/32"	21/32"	A08794-003	
	1/8"	-	008876-000	
	3/16"	-	008876-005	
	1/4"	-	008876-001	
	3/8"	-	008876-002	
	1/2"	-	008876-003	
	5/8"	-	008876-004	
 008862-000 For all rim cylinders and cam locks. Note: Specify finishes: 605, 606, 612, 613, 625, 626 Specify part number and finish when ordering. (e.g. A08790-000-626)				

Electrically Locking

MA851 Electrically Locked (Fail Safe):

Outside trim is continuously locked electrically. The latchbolt is retracted by a key outside or by the knob/lever inside. Switch or power failure allows the outside knob/lever to retract the latchbolt. The auxiliary latch deadlocks the latchbolt when the door is closed. The inside knob/lever is always free for immediate exit.

MA881 Electrically Unlocked (Fail Secure):

Outside trim is unlocked electrically. During switch or power failure, the latchbolt is retracted by a key outside or by knob/lever inside. The auxiliary latch deadlocks the latchbolt when the door is closed. The inside knob/lever is always free for immediate exit.

Electrical Requirements:

Voltage: 12V DC +/- 10%

Operating Temperature: Max +151° F, Min. -31° F

Operating Current: .42 Amps

Holding Current: .135 Amps

Voltage: 24V DC +/- 10%

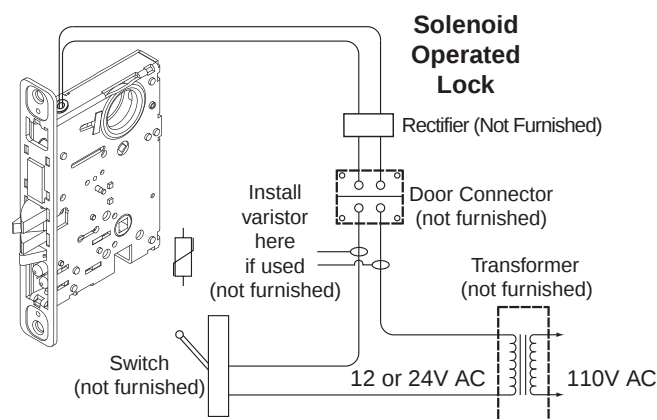
Operating Temperature: Max +151° F, Min. -31° F

Operating Current: .21 Amps

Holding Current: .135 Amps

Typical Installation:

All installations should be in accordance with local electrical codes and National Electrical Code NFPA #70. It is recommended that each lock have its own 12 or 24 volt transformer. Be sure to select the proper transformer for the lock. Two or more locks may be operated in parallel from a single transformer provided it has the necessary current rating. DO NOT connect locks in series from a higher voltage rated transformer. Damage to locks may occur if they connect to a supply circuit that also contains electromagnetic devices. The transient voltage must be suppressed at the equipment producing them before connecting the locks to a circuit. A varistor rated at 35 volts (at peak current) may be used for transient voltage protection.



Ordering Procedures

How to Order

For correct ordering, and to ensure no delays in shipment of your order, the following descriptive data must be listed in the sequence shown. Necessary information can be found in other parts of this manual. The example below shows an order for 16 each MA locksets in the 521 Entry function, DG (Dane-Gala) trim design in a 626 (satin chrome) finish, 8 RH (right hand) and 8 LH (left hand) to accommodate doors 1¾" thick with AA1-AA16 keying.

Quantity: Indicate the quantity required.

Catalog Number: Select catalog number.

Trim Design: Indicate letter of knob or lever design followed by letter of rose or escutcheon design.

Example: DG-D for Dane lever followed by G for Gala rose.

Finish: When the finish is the same for the outside and inside trim, it is shown once (626). For split finishes, the outside is designated first, then the inside (626 x 625).

Latch: Two-piece mechanical anti-friction standard. All catalog

numbers shown in this manual indicated 2¾" backset.

Strike: 47/8" x 1¼" x 1¼" lip-to-center with curved lip standard. Optional strikes with shorter or longer lip lengths available.

Cylinder Type: For 6-Pin, add 6-Pin. For 7-Pin, add 7-Pin.

Door Hand: See chart.

Keying Detail: We suggest using the standard terms developed by the A.H.C. (Consult Factory).

Example: AA1 - Grand Master keyed, Master keyed, change key 1.

Interchangeable Core: To order product capable of accepting an interchangeable core, add "B" less SFIC (for interchangeable core). To order product with an interchangeable core, add "SFIC" (with interchangeable core). Ex: "G" with Falcon SFIC core.

Keyway: "G" is standard on regular cylinders, "A" is standard on interchangeable cores. Other keyways available. See price book.

Additional Keys: Note the total number of keys required.

Large Bow Keys: Add - "with large bow keys".

How to Order Example

Qty.	Catalog Number	Trim Design	Finish	Latch	Strike	Cylinder	Door Hand				Detail
							RH	LH	RHR	LHR	
8	MA521P	DG	626	STD	STD	6-PIN	X				AA1-AA8 1-3/4" DR
8	MA521P	DG	626	STD	STD	6-PIN		X			AA9-AA16 1-3/4" DR

Finishes

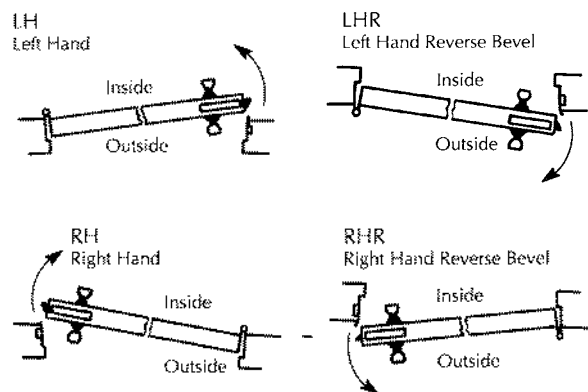
Falcon offers several finish choices to compliment the design elements of most any project. Falcon applies the best available protective plating or coating to the surface of our products to minimize the exposure to weather, pollution, perspiration, extremes of climate, frequency of use and other

factors. Please consult with us if your building is subjected to chemical or corrosive conditions, as some finishes would not be recommended for these areas. Falcon recommends chrome plated or stainless steel finishes for high corrosive environments.

Trim Finishes Chart

Description	ANSI No.	Available on	
Bright Brass	605	US 3	All Trim
Satin Brass	606	US 4	All Trim
Satin Bronze Oil Rubbed	613	US 10B	All Trim
Bright Chrome	625	US 26	All Trim
Satin Chrome	626	US 26D	All Trim
Satin Stainless Steel	630	US 32D	All Trim

How to Determine the Hand of a Door



Q513-067

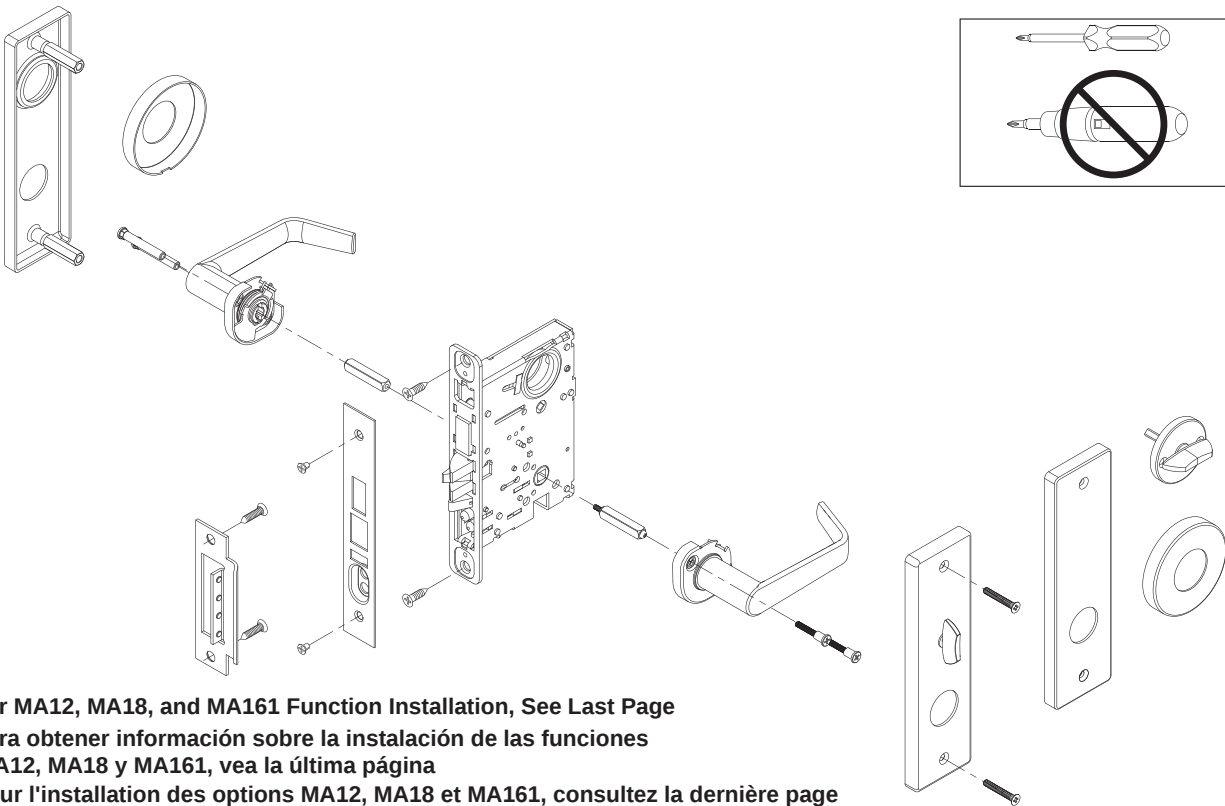


FALCON®

Instrucciones de instalación

Installation Instructions
Falcon MA-Lock

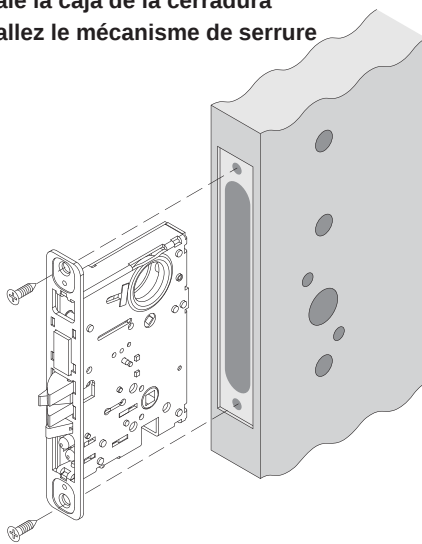
Notice d'installation



1

Install Lockcase

Instale la caja de la cerradura
 Installez le mécanisme de serrure

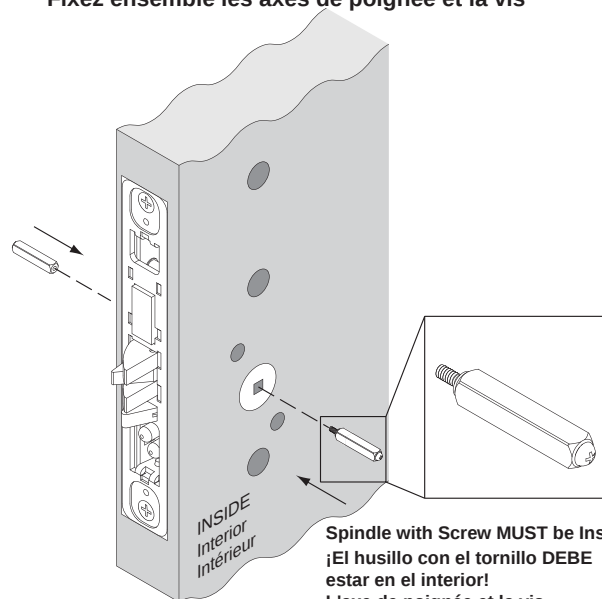


Fully Tighten in Step 8
 Realice los ajustes completos en el paso 8
 Serrez fermement à l'étape 8

2

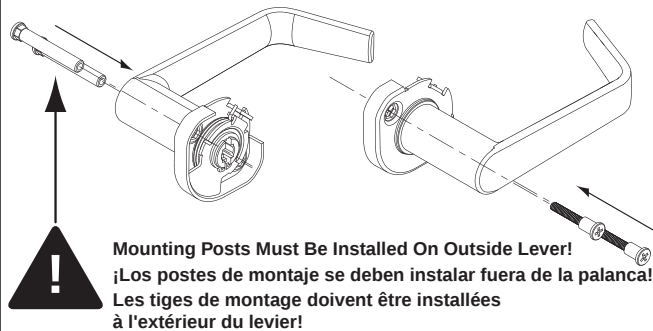
Install Spindles and Screw Together

Instale los husillos y el tornillo juntos
 Fixez ensemble les axes de poignée et la vis

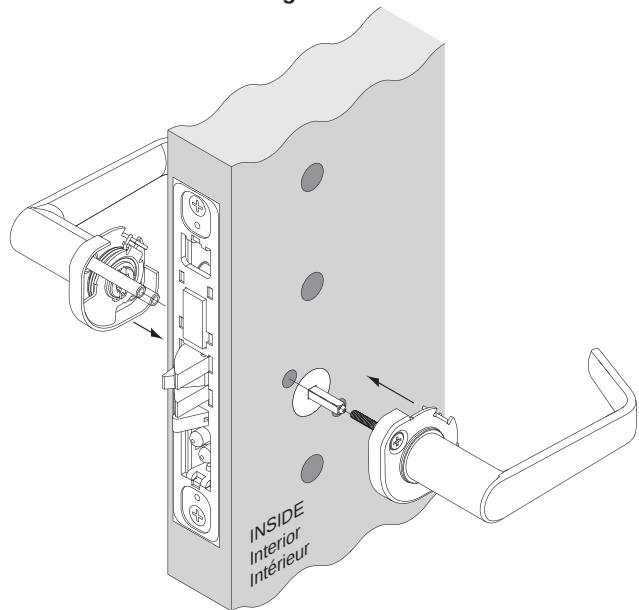


Spindle with Screw MUST be Inside!
 ¡El husillo con el tornillo DEBE estar en el interior!
 L'axe de poignée et la vis DOIVENT être à l'intérieur!

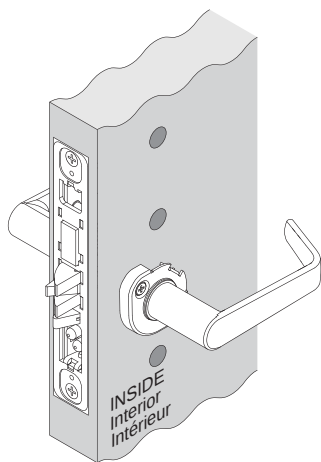
- 3** Install Lever Posts and Screws
 Instale los postes de la palanca y los tornillos
 Installer les tiges de levier et les vis



- 4** Install Lever Assemblies
 Instale los ensamblados de la palanca
 Installez les assemblages de levier

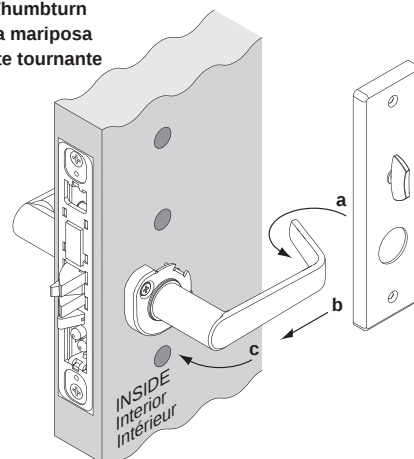


5

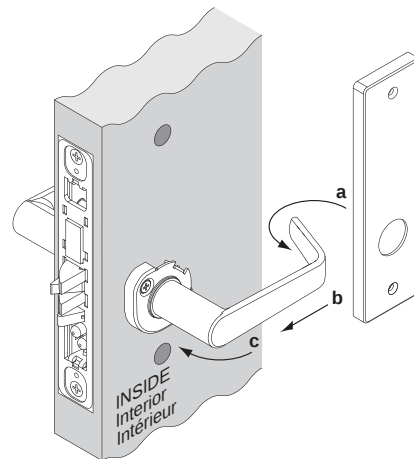


- 6** Identify Trim and Install
 Identifique el ribete e instálelo
 Identifiez la garniture et installez

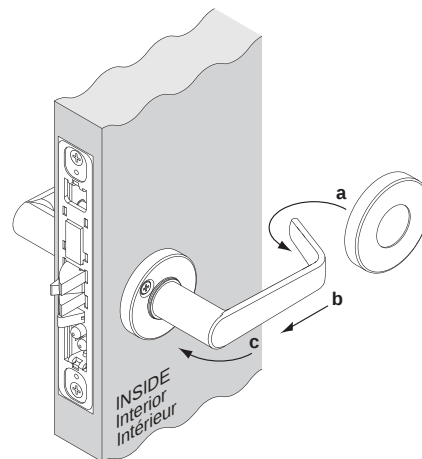
Escutcheon with Thumbturn
 Escudo con tuerca mariposa
 Écusson et barrette tournante



Escutcheon
 Escudo
 Écusson

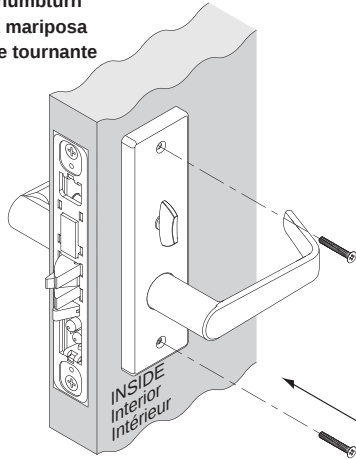


Rose
 Rosetón
 Rosette

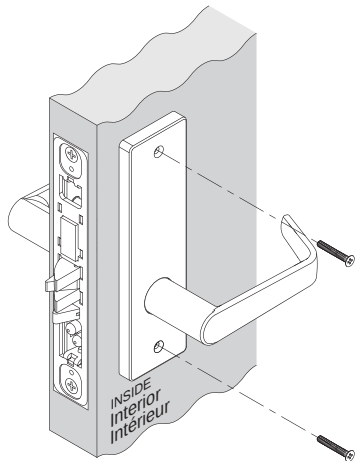


7 Identify Trim and Secure to Door Identifique el ribete y asegúrelo en la puerta Identifiez la garniture et fixez à la porte

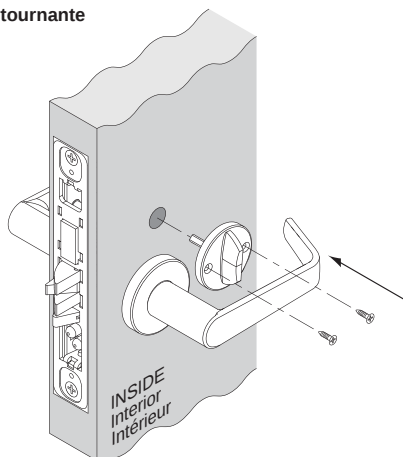
Escutcheon with Thumbturn
Escudo con tuerca mariposa
Écusson et barrette tournante



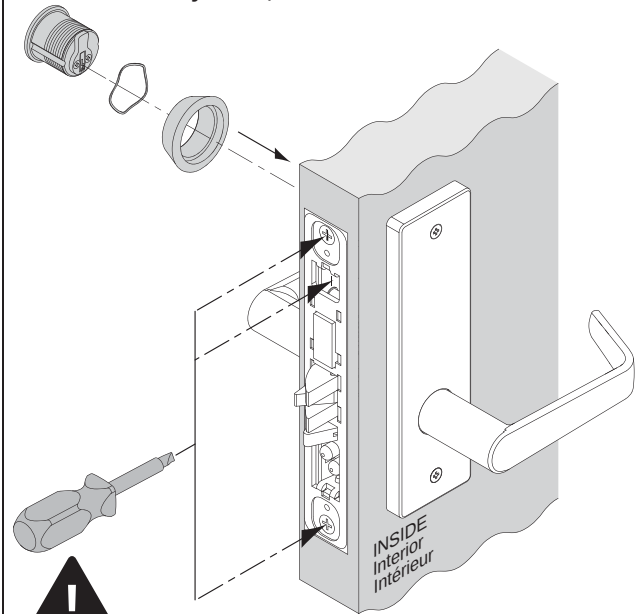
Escutcheon
Escudo
Écusson



Rose with Thumbturn
Coloque el rosetón con la tuerca mariposa
Rosette et barrette tournante

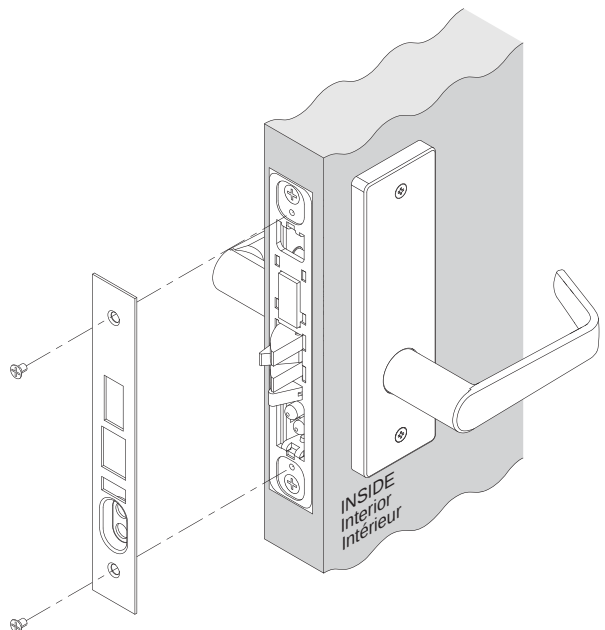


8 If Included, Install Cylinder Si el cilindro está incluido, instálelo Installez le cylindre, si inclus



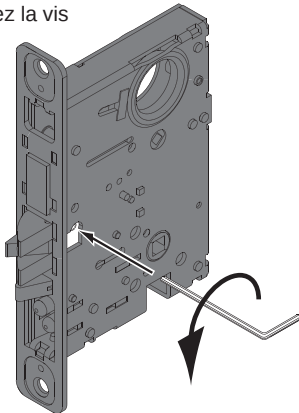
Cylinder and Mortise Retaining Screws MUST Be Fully Tightened!
¡El cilindro y los tornillos retenedores de la cerradura de muescas DEBEN estar bien ajustados!
Les vis de fixation du cylindre et de la mortaise DOIVENT être serrées fermement!

9 Install Armor Front Instale el frente del blindaje Installez la plaque de blindage

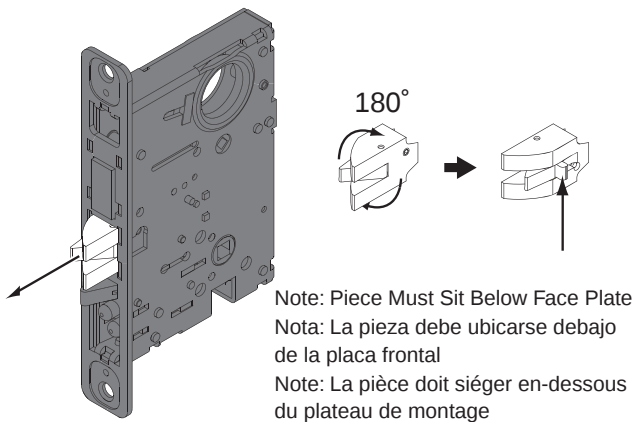


Mortise Rehandling (If Required) Remanipulación de la cerradura de muescas (si se requiere) Déplacement de la mortaise (si nécessaire)

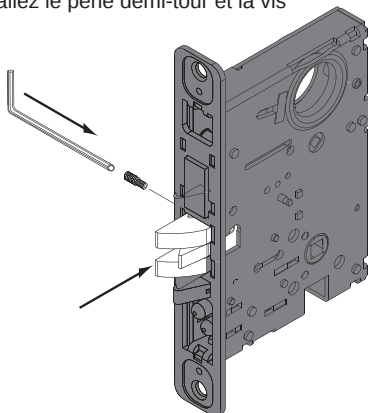
- a. Remove Screw
a. Quite el tornillo
a. Retirez la vis



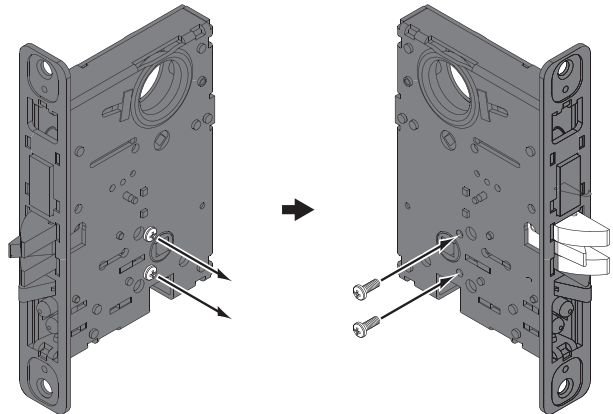
- b. Remove Latch Bolt and Rotate 180°
b. Quite el perno del pestillo y gírelo 180°
b. Retirez le pêne demi-tour et tournez à 180°



- c. Reinstall Latch Bolt and Screw
c. Vuelva a instalar el perno y el tornillo del pestillo
c. Installez le pêne demi-tour et la vis

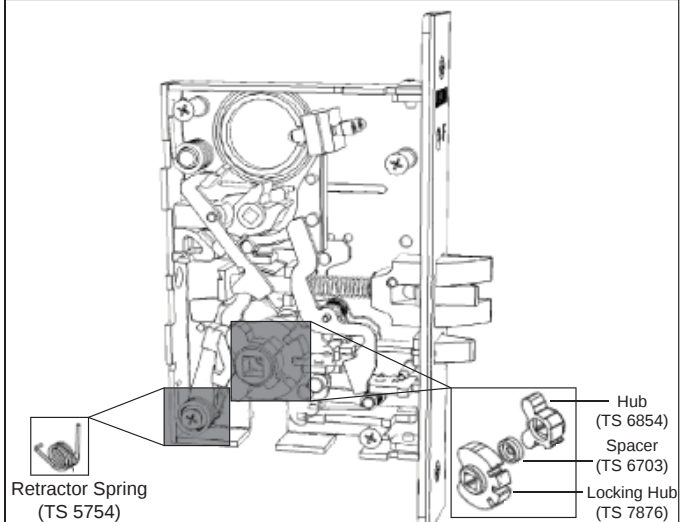


- d. Move Handling Screws to Opposite Side
d. Mueva los tornillos de manejo al lado opuesto
d. Déplacer les vis de réglage du côté opposé



Note: Handling Screws to be Located on Non-Locking Side
Nota: Los tornillos de manejo se deben ubicar en el lado que no tiene la cerradura
Remarque : Les vis de réglage doivent figurer au côté sans verrouillage

MA551 Holdback Lock Handling Manejo de la cerradura de retención MA551 Verrou de réglage de retenue MA551



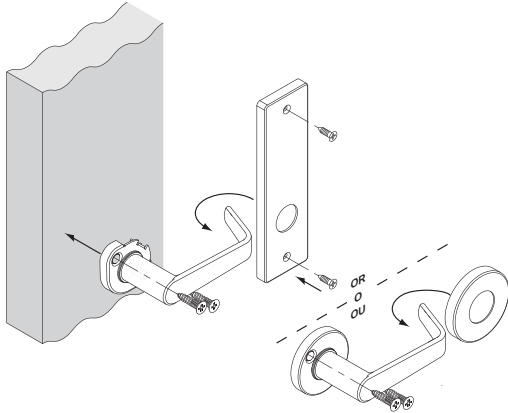
- 1) Remove Cover (Not Shown)
- 2) Remove Retractor Spring
- 3) Reverse the Order of Hub and Locking Hub
- 4) Replace the Retractor Spring and Cover
- 5) Change Direction of Latchbolt Head if Necessary

- 1) Quite la cubierta TS 7812-FAL (no se muestra)
- 2) Quite el resorte de retracción TS 5754
- 3) Invierta el orden de los cubos TS 7876 y TS 6854
- 4) Reemplace el resorte de retracción TS 5754 y la cubierta TS 7812-FAL
- 5) Si es necesario, cambie la dirección del cabezal del pestillo de resorte

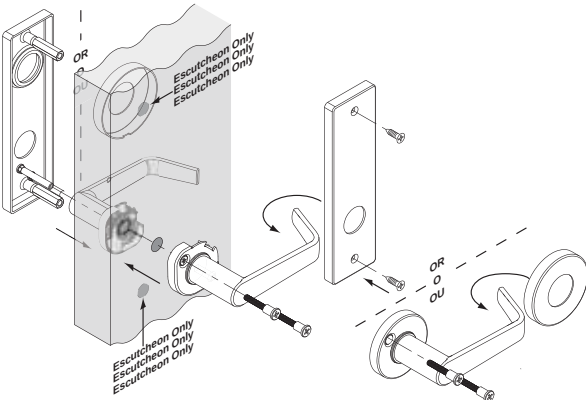
- 1) Enlevez le couvercle TS 7812-FAL (non illustré)
- 2) Enlevez le ressort de retrait TS 5754
- 3) Inversez l'ordre des moyeux TS 7876 et TS 6854
- 4) Remplacez le ressort de retrait TS 5754 et le couvercle TS 7812-FAL
- 5) Modifiez la direction de la tête de pêne demi-tour, si requis

Special Function Installation Instalación de funciones especiales Installation des fonctions spéciales

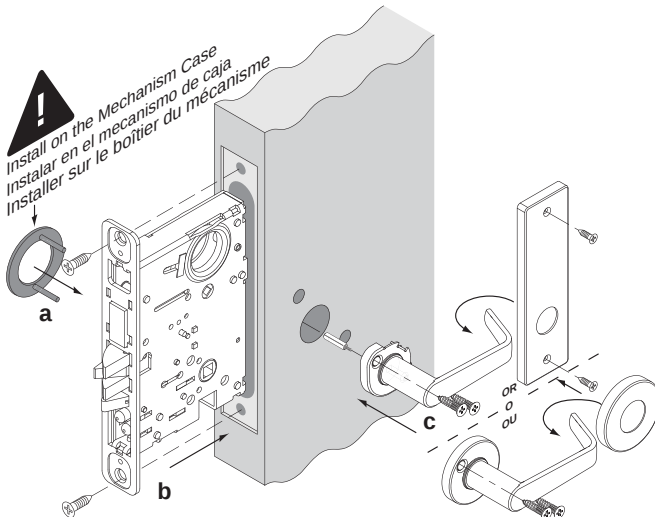
MA12 - Single Dummy Installation
MA12 - Instalación de vástago simple
MA12 - Installation d'une fausse poignée



MA18 - Double Dummy Installation
MA18 - Instalación de vástago doble
MA18 - Installation de deux fausses poignées



MA161 - Exit or Communicating Lock
MA161 - Cerradura de salida o comunicación
MA161 - Verrou de sortie ou de porte communicante



MA551 Holdback MA551 la función de retención MA551 la fonction de retenue

To Activate Holdback Function
Para activar la función de retención
Pour activer la fonction de retenue

- 1) From the Unlocked Position, Rotate Outside Knob/Lever to Retract Latchbolt
- 2) Rotate Key 360° Counterclockwise
- 3) Release Lever/Knob
- 1) Cuando la cerradura está abierta, gire la palanca/perilla exterior a la posición del pestillo de resorte retráctil
- 2) Gire la llave 360° en sentido antihorario
- 3) Suelte la palanca/perilla
- 1) À partir de la position non verrouillée, tournez le bouton ou le levier extérieur pour dégager le pêne demi-tour
- 2) Tournez la clef à 360° dans le sens antihoraire
- 3) Relâchez le levier/bouton

To Deactivate Holdback Function
Para desactivar la función de retención
Pour désactiver la fonction de retenue

- 1) Insert Key and Rotate 360° Clockwise
- 1) Inserte la llave y gírela 360° en sentido horario
- 1) Insérez la clef et tournez 360° dans le sens horaire

Installation Instructions



Q513-068

**MA-Series Template
for Right-Handed Door** In
Plantilla de la Serie MA Inte
para puerta que abre Inte
hacia la derecha
Gabarit pour séries MA —
pour porte ouvrant à droite

Sectional
seccionales
en coupe

INSIDE PREPARATION
PREPARACIÓN DEL INTERIOR
PRÉPARATION DE L'INTÉRIEUR

Funcion Function Funcion	Drill Perforar Perforar				
	B	C	D	E	
MA3201, MA322, MA5051,					
MA561, MA561, MA851,				X	X
MA881, MA18					
MA161★				X	X
MA301, MA311, MA321,					
MA451, MA531, MA541,				X	X
MA571, MA621, MA641				X	X
MA371, MA391, MA421,				X	X
MA431, MA442					
MA931		X			
MA921					
MA911, MA942				X	
MA12★					X

Escutcheon
Escudo
Cache

INSIDE PREPARATION
PREPARACIÓN DEL INTERIOR
PRÉPARATION DE L'INTÉRIEUR

Functions Function Function	Drill Perforator Percer				
	A	B	C	D	E
MA101, MA521, MA551, MA561, MA581, MA591, MA891, MA18	X			X	X
MA161★				X	X
MA301, MA311, MA321, MA411, MA421, MA431, MA571, MA621, MA641	X		X	X	X
MA371, MA381, MA411, MA431, MA441	X	X		X	X
MA931		X	X		
MA921					
MA111, MA941	X	X			
MA120★					X

* Inside D & E holes should not be thru holes. CAUTION! DO NOT drill thru door!
 * Los orificios internos D y E no deben traspasar la puerta. ¡PRECAUCIÓN! ¡NO perforar la puerta!
 * Les trous intérieurs D et E ne doivent pas être des trous traversants. MISE EN GARDE!
 * NE PAS percer à travers la porte!
 **E hole should not be a thru hole. CAUTION! DO NOT drill thru door!
 **El orificio E no debe traspasar la puerta. ¡PRECAUCIÓN! ¡NO perforar la puerta!
 **Le trou E ne sera qu'un percage partiel. MISE EN GARDE! NE PAS percer à travers la porte!

**MA-Series Template
for Left-Handed Door**
**Plantilla de la Serie MA
para puerta que abre
hacia la izquierda**
**Gabarit pour séries MA
pour porte ouvrant**

à gauche

Sectional seccionales en coupe	
OUTSIDE PREPARATION PREPARACIÓN DEL EXTERIOR	
PREPARATION DE L'EXTÉRIEUR	
Functions Función Function	Drill Perforar Perçer
	B C D E
MA101, MA118	X X
MA301, MA311, MA321	X X X
MA371, MA381, MA411, MA431, MA451, MA461, MA521, MA531, MA541, MA551, MA561, MA571,	X X X

MA851, MA881		
MA911, MA921, MA931, MA941	X	

Escutcheon
Escudo

Cache		Drill Perforator Percer				
Functions Fonction		A	B	C	D	E
MA102, MA318		X	X		X	X
MA301, MA311, MA321		X	X	X	X	X
MA372, MA381, MA411, MA431, MA441, MA451, MA521, MA551, MA561, MA581, MA621, MA641, MA651, MA681		X	X	X	X	X
MA911, MA921, MA931, MA941		X	X			

Cache Seulement

**** MA12 trim is for one side only (inside or outside). E hole should not be a thru hole.
CAUTION! Do NOT drill thru door!**

**** El recorte MA12 es sólo para un lado (interior o exterior).
El orificio E no debe traspasar la puerta. ¡PRECAUCIÓN! ¡NO perforo la puerta!**

Right-Handed Door
Puerta con bisagras a la derecha

Porte ouvrant à droite

**seccionales
en coupe**

OUTSIDE PREPARATION

PREPARACIÓN DEL EXTERIOR

PREPARACIÓN DEL EXTERIOR	
PRÉPARATION DE L'EXTÉRIEUR	
(15mm)	
Escutcheon ONLY	
Escudo solamente	
Cache Seulement	
Functions	Drill
Function	Perfora
	Percer
	B C D
MA301, MA1B	X
MA301, MA311, MA321	X X
MA371, MA381, MA411, MA431, MA441, MA451, MA501, MA531, MA541, MA551, MA561, MA571, MA581, MA621, MA641, MA651, MA6B1	X X
MA911, MA921, MA931, MA941	X
MA1★	

(13mm)

Turn Piece ONLY
SÓLO pieza giratoria Strike
Membre de cintrage SEULEMENT



Install One Side ONLY!
NOT a Thru Hole

Perfore SÓLO un lado!
NO un orificio que traspase!
Perçer un côté SEULEMENT!
Perçage partiel seulement

3/8" (10mm)

Lock

Escutcheon
Escudo
Cache

OUTSIDE PREPARATION
PREPARACIÓN DEL EXTERIOR

Functions Función	Drill Perforar
----------------------	-------------------

Fonction	Fonction				
	A	B	C	D	E
MA101, MA18	X			X	X

	MA301, MA311, MA321	X	X	X	X	X
	MA371, MA382, MA411, MA431, MA441, MA451, MA521, MA531, MA541, MA551, MA561, MA571, MA581, MA621, MA641, MA651, MA681	X	X	X	X	X
	MA691, MA692, MA931, MA941	X	X			
	MA12					X

***E hole should not be a thru hole. CAUTION! Do NOT drill thru door!
 ***El orificio E no debe traspasar la puerta. ¡PRECAUCIÓN! ¡NO perfora la puerta!
 ***Le trou E ne sera qu'un perçage partiel. MISE EN GARDE! NE PAS percer à travers la porte.

Left-Handed Door
Puerta con bisagras a la izquierda

Sectional
seccionales

en coupe
INSIDE PREPARATION
PREPARACIÓN DEL INTERIOR

PRÉPARATION DE L'INTÉRIEUR

Functions Fonction Función	Drill Perfora Perfora			
	B	C	D	E
MA101, MA521, MA551 MA561, MA581, MA591 MA681, MA18			X	
MA161*			X	
MA301, MA311, MA321 MA451, MA531, MA541 MA571, MA621, MA641		X	X	
MA371, MA381, MA411 MA431, MA641	X	X		
MA921			X	
MA921				

* Keyed Function
 * Función con llave
 * Función con chaveta

MA911, MA941			X
MA12**			

turn Piece ONLY
SÓLO pieza giratoria
Membre de cintrage SEULEMENT Strike

Drill One Side ONLY!
NOT a Thru Hole

Perfore SÓLO un lado!
NO un orificio que traspase

Perçer un côté SEULEMENT!
Perçage partiel seulement

3/4" (10mm)

Lock

Escutcheon
Escudo
Cache

INSIDE PREPARATION
PREPARACIÓN DEL INTERIOR
PRÉPARATION DE L'INTÉRIEUR

Functions
Función
Fonction

Drill
Perforar
Perçer

MA101, MA102, MA103, MA104, MA105, MA106, MA107, MA108, MA109, MA110, MA111, MA112, MA113, MA114, MA115, MA116, MA117, MA118, MA119, MA120, MA121, MA122, MA123, MA124, MA125, MA126, MA127, MA128, MA129, MA130, MA131, MA132, MA133, MA134, MA135, MA136, MA137, MA138, MA139, MA140, MA141, MA142, MA143, MA144, MA145, MA146, MA147, MA148, MA149, MA150, MA151, MA152, MA153, MA154, MA155, MA156, MA157, MA158, MA159, MA160, MA161, MA162, MA163, MA164, MA165, MA166, MA167, MA168, MA169, MA170, MA171, MA172, MA173, MA174, MA175, MA176, MA177, MA178, MA179, MA180, MA181, MA182, MA183, MA184, MA185, MA186, MA187, MA188, MA189, MA190, MA191, MA192, MA193, MA194, MA195, MA196, MA197, MA198, MA199, MA200, MA201, MA202, MA203, MA204, MA205, MA206, MA207, MA208, MA209, MA210, MA211, MA212, MA213, MA214, MA215, MA216, MA217, MA218, MA219, MA220, MA221, MA222, MA223, MA224, MA225, MA226, MA227, MA228, MA229, MA230, MA231, MA232, MA233, MA234, MA235, MA236, MA237, MA238, MA239, MA240, MA241, MA242, MA243, MA244, MA245, MA246, MA247, MA248, MA249, MA250, MA251, MA252, MA253, MA254, MA255, MA256, MA257, MA258, MA259, MA260, MA261, MA262, MA263, MA264, MA265, MA266, MA267, MA268, MA269, MA270, MA271, MA272, MA273, MA274, MA275, MA276, MA277, MA278, MA279, MA280, MA281, MA282, MA283, MA284, MA285, MA286, MA287, MA288, MA289, MA290, MA291, MA292, MA293, MA294, MA295, MA296, MA297, MA298, MA299, MA300, MA301, MA302, MA303, MA304, MA305, MA306, MA307, MA308, MA309, MA310, MA311, MA312, MA313, MA314, MA315, MA316, MA317, MA318, MA319, MA320, MA321, MA322, MA323, MA324, MA325, MA326, MA327, MA328, MA329, MA330, MA331, MA332, MA333, MA334, MA335, MA336, MA337, MA338, MA339, MA340, MA341, MA342, MA343, MA344, MA345, MA346, MA347, MA348, MA349, MA350, MA351, MA352, MA353, MA354, MA355, MA356, MA357, MA358, MA359, MA360, MA361, MA362, MA363, MA364, MA365, MA366, MA367, MA368, MA369, MA370, MA371, MA372, MA373, MA374, MA375, MA376, MA377, MA378, MA379, MA380, MA381, MA382, MA383, MA384, MA385, MA386, MA387, MA388, MA389, MA390, MA391, MA392, MA393, MA394, MA395, MA396, MA397, MA398, MA399, MA400, MA401, MA402, MA403, MA404, MA405, MA406, MA407, MA408, MA409, MA410, MA411, MA412, MA413, MA414, MA415, MA416, MA417, MA418, MA419, MA420, MA421, MA422, MA423, MA424, MA425, MA426, MA427, MA428, MA429, MA430, MA431, MA432, MA433, MA434, MA435, MA436, MA437, MA438, MA439, MA440, MA441, MA442, MA443, MA444, MA445, MA446, MA447, MA448, MA449, MA450, MA451, MA452, MA453, MA454, MA455, MA456, MA457, MA458, MA459, MA460, MA461, MA462, MA463, MA464, MA465, MA466, MA467, MA468, MA469, MA470, MA471, MA472, MA473, MA474, MA475, MA476, MA477, MA478, MA479, MA480, MA481, MA482, MA483, MA484, MA485, MA486, MA487, MA488, MA489, MA490, MA491, MA492, MA493, MA494, MA495, MA496, MA497, MA498, MA499, MA500, MA501, MA502, MA503, MA504, MA505, MA506, MA507, MA508, MA509, MA510, MA511, MA512, MA513, MA514, MA515, MA516, MA517, MA518, MA519, MA520, MA521, MA522, MA523, MA524, MA525, MA526, MA527, MA528, MA529, MA530, MA531, MA532, MA533, MA534, MA535, MA536, MA537, MA538, MA539, MA540, MA541, MA542, MA543, MA544, MA545, MA546, MA547, MA548, MA549, MA550, MA551, MA552, MA553, MA554, MA555, MA556, MA557, MA558, MA559, MA560, MA561, MA562, MA563, MA564, MA565, MA566, MA567, MA568, MA569, MA570, MA571, MA572, MA573, MA574, MA575, MA576, MA577, MA578, MA579, MA580, MA581, MA582, MA583, MA584, MA585, MA586, MA587, MA588, MA589, MA590, MA591, MA592, MA593, MA594, MA595, MA596, MA597, MA598, MA599, MA600, MA601, MA602, MA603, MA604, MA605, MA606, MA607, MA608, MA609, MA610, MA611, MA612, MA613, MA614, MA615, MA616, MA617, MA618, MA619, MA620, MA621, MA622, MA623, MA624, MA625, MA626, MA627, MA628, MA629, MA630, MA631, MA632, MA633, MA634, MA635, MA636, MA637, MA638, MA639, MA640, MA641, MA642, MA643, MA644, MA645, MA646, MA647, MA648, MA649, MA650, MA651, MA652, MA653, MA654, MA655, MA656, MA657, MA658, MA659, MA660, MA661, MA662, MA663, MA664, MA665, MA666, MA667, MA668, MA669, MA670, MA671, MA672, MA673, MA674, MA675, MA676, MA677, MA678, MA679, MA680, MA681, MA682, MA683, MA684, MA685, MA686, MA687, MA688, MA689, MA690, MA691, MA692, MA693, MA694, MA695, MA696, MA697, MA698, MA699, MA700, MA701, MA702, MA703, MA704, MA705, MA706, MA707, MA708, MA709, MA710, MA711, MA712, MA713, MA714, MA715, MA716, MA717, MA718, MA719, MA720, MA721, MA722, MA723, MA724, MA725, MA726, MA727, MA728, MA729, MA730, MA731, MA732, MA733, MA734, MA735, MA736, MA737, MA738, MA739, MA740, MA741, MA742, MA743, MA744, MA745, MA746, MA747, MA748, MA749, MA750, MA751, MA752, MA753, MA754, MA755, MA756, MA757, MA758, MA759, MA760, MA761, MA762, MA763, MA764, MA765, MA766, MA767, MA768, MA769, MA770, MA771, MA772, MA773, MA774, MA775, MA776, MA777, MA778, MA779, MA780, MA781, MA782, MA783, MA784, MA785, MA786, MA787, MA788, MA789, MA790, MA791, MA792, MA793, MA794, MA795, MA796, MA797, MA798, MA799, MA800, MA801, MA802, MA803, MA804, MA805, MA806, MA807, MA808, MA809, MA810, MA811, MA812, MA813, MA814, MA815, MA816, MA817, MA818, MA819, MA820, MA821, MA822, MA823, MA824, MA825, MA826, MA827, MA828, MA829, MA830, MA831, MA832, MA833, MA834, MA835, MA836, MA837, MA838, MA839, MA840, MA841, MA842, MA843, MA844, MA845, MA846, MA847, MA848, MA849, MA850, MA851, MA852, MA853, MA854, MA855, MA856, MA857, MA858, MA859, MA860, MA861, MA862, MA863, MA864, MA865, MA866, MA867, MA868, MA869, MA870, MA871, MA872, MA873, MA874, MA875, MA876, MA877, MA878, MA879, MA880, MA881, MA882, MA883, MA884, MA885, MA886, MA887, MA888, MA889, MA890, MA891, MA892, MA893, MA894, MA895, MA896, MA897, MA898, MA899, MA900, MA901, MA902, MA903, MA904, MA905, MA906, MA907, MA908, MA909, MA910, MA911, MA912, MA913, MA914, MA915, MA916, MA917, MA918, MA919, MA920, MA921, MA922, MA923, MA924, MA925, MA926, MA927, MA928, MA929, MA930, MA931, MA932, MA933, MA934, MA935, MA936, MA937, MA938, MA939, MA940, MA941, MA942, MA943, MA944, MA945, MA946, MA947, MA948, MA949, MA950, MA951, MA952, MA953, MA954, MA955, MA956, MA957, MA958, MA959, MA960, MA961, MA962, MA963, MA964, MA965, MA966, MA967, MA968, MA969, MA970, MA971, MA972, MA973, MA974, MA975, MA976, MA977, MA978, MA979, MA980, MA981, MA982, MA983, MA984, MA985, MA986, MA987, MA988, MA989, MA990, MA991, MA992, MA993, MA994, MA995, MA996, MA997, MA998, MA999, MA1000

A B C D

X X

MA101, MA10					
MA101*				X	X

MA301, MA311, MA321, MA451, MA531, MA541, MA571, MA621, MA641	X	X	X	X

MA371, MA381, MA411, MA431, MA441	X	X		X	X
MA921	X	X			
MA921	X				
MA911, MA941	X	X			
MA12**					X

Cache Seulement

MA12**					X
--------	--	--	--	--	---

* Inside D & E holes should not be thru holes. CAUTION! Do NOT drill thru door!
* Los orificios internos D y E no deben traspasar la puerta. ¡PRECAUCIÓN! ¡NO perforo la puerta!
* Les trous intérieurs D et E ne doivent pas être des trous traversants. MISE EN GARDE!
NE PAS percer à travers la porte!
** E hole should not be a thru hole. CAUTION! Do NOT drill thru door!

1" (25mm) Holes, 1½" (29mm) Deep
Agujeros de 25 mm,
29 mm de profundidad
Trous d' 25 mm,
d'une profondeur d' 29 mm

1/8" (3mm) Wood Door
or Tap For #12-24
WMS (Metal Door)

Recess 3/32" (2mm) Deep
Entalladura de 2 mm de profundidad
Renforcement de 2 mm de profondeur

1" (25mm) Holes, 1½" (29mm) Deep
Agujeros de 25 mm,
29 mm de profundidad

Recess $\frac{3}{32}$ " (2mm) Deep
Entalladura de 2 mm de profundidad
Renfoncement de 2 mm de profondeur