



P517-432

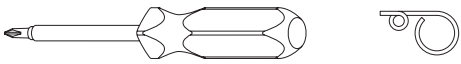
ND-Series Timing Guide

IMPORTANT: DO NOT insert key in outside cylinder (if applicable) before or during these steps!

NOTICE

FAILURE TO PROPERLY TIME THE LOCK WILL RESULT IN IMPROPER FUNCTION, AND CAN CAUSE DAMAGE TO THE LOCK.

Tools Needed



Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Install Lock
EXCEPT INSIDE LEVER
ND60 (including XN12-001),
ND66, ND75, ND78
ND93, ND95, ND98

From **INSIDE**, rotate key cam **CCW** until it stops.

ND66

Now, from **INSIDE** rotate key cam **CW** to:

(approx. position after CCW rotation)

Conventional Cylinder

Interchangeable Core Cylinder

ND60
ND93

Now, from **INSIDE** rotate key cam **CW** to:

(approx. position after CCW rotation)

Conventional Cylinder

Interchangeable Core Cylinder

approx. 180° for **Conventional Cylinder**

approx. 90° for **Interchangeable Core Cylinder**

ND78
ND98

Now, from **INSIDE** rotate key cam **CW** to:

(approx. position after CCW rotation)

Conventional Cylinder

Interchangeable Core Cylinder

approx. 270° for **Conventional Cylinder**

approx. 180° for **Interchangeable Core Cylinder**

Install Cylinder and Lever

With key rotated 90° clockwise, press lever onto lever post.

90°

For IC Cylinders:

Align cylinder tailpiece blade and keyway.

FSIC SFIC

Turn the key 15° and hold.

15°

Then, insert assembly into lever.

Check Operation

See chart below for correct key rotation.

ND66 ND72* ND75 ND95	INSIDE rotates 360° to lock and unlock. OUTSIDE rotates 360° to lock and unlock.
ND78 ND98	INSIDE and OUTSIDE rotate 180° and back. CW to unlock. CCW to lock.
ND60 ND93	INSIDE rotates 360° to lock and unlock. OUTSIDE rotates to retract latch.
ND70 ND25x70 ND70x80 ND94	OUTSIDE rotates 360° to lock and unlock.
ND81	OUTSIDE rotates 90° CCW to retract latch OUTSIDE rotates 180° CW to allow lever to retract latch.
ND73 ND97	OUTSIDE rotates 360° to lock and unlock. When OUTSIDE is locked by push button, OUTSIDE key should rotate 45° to unlock.

ND72* : Follow steps 2-5 to time inside lever, then continue to step 6.

360°

For example, ND66 will lock and unlock with a 360° turn of the key.

Troubleshooting

If your lock does not allow you to remove key, remove keyed lever, rotate key 180° and reinstall.

Remove Keyed Lever

90°

To remove a keyed lever, rotate key 90°.

Insert pin wrench and push against lever catch. Pull off the lever.

Install Lock
EXCEPT OUTSIDE LEVER
ND70, ND25x70,
ND70x80, ND73,
ND81, ND94, ND97

Install Lock
EXCEPT BOTH LEVERS
ND72 (including XN12-002 and XN12-003)

From **OUTSIDE**, rotate key cam **CCW** until it stops.

ND70
ND25x70
ND70x80
ND73
ND94
ND97
ND72

Now, from **OUTSIDE** rotate key cam **CW** to:

(approx. position after CCW rotation)

Conventional Cylinder

Interchangeable Core Cylinder

ND81

Now, from **OUTSIDE** rotate key cam **CW** to:

(approx. position after CCW rotation)

Conventional Cylinder

Interchangeable Core Cylinder



IMPORTANTE: ¡NO inserte la chaveta en el cilindro externo (si corresponde) antes o durante estos pasos!

IMPORTANT : NE PAS insérer la clé dans le cylindre extérieur (le cas échéant) avant ou au cours de ces étapes!

Paso 2

Paso 3

Paso 4

Paso 5

Paso 6

**UNE MAUVAISE
SYNCHRONISATION DU
VERROU ENTRAÎNERA UN
DÉFAUT DE FONCTIONNEMENT
ET PEUT ENDOMMAGER LE
VERROU.**

