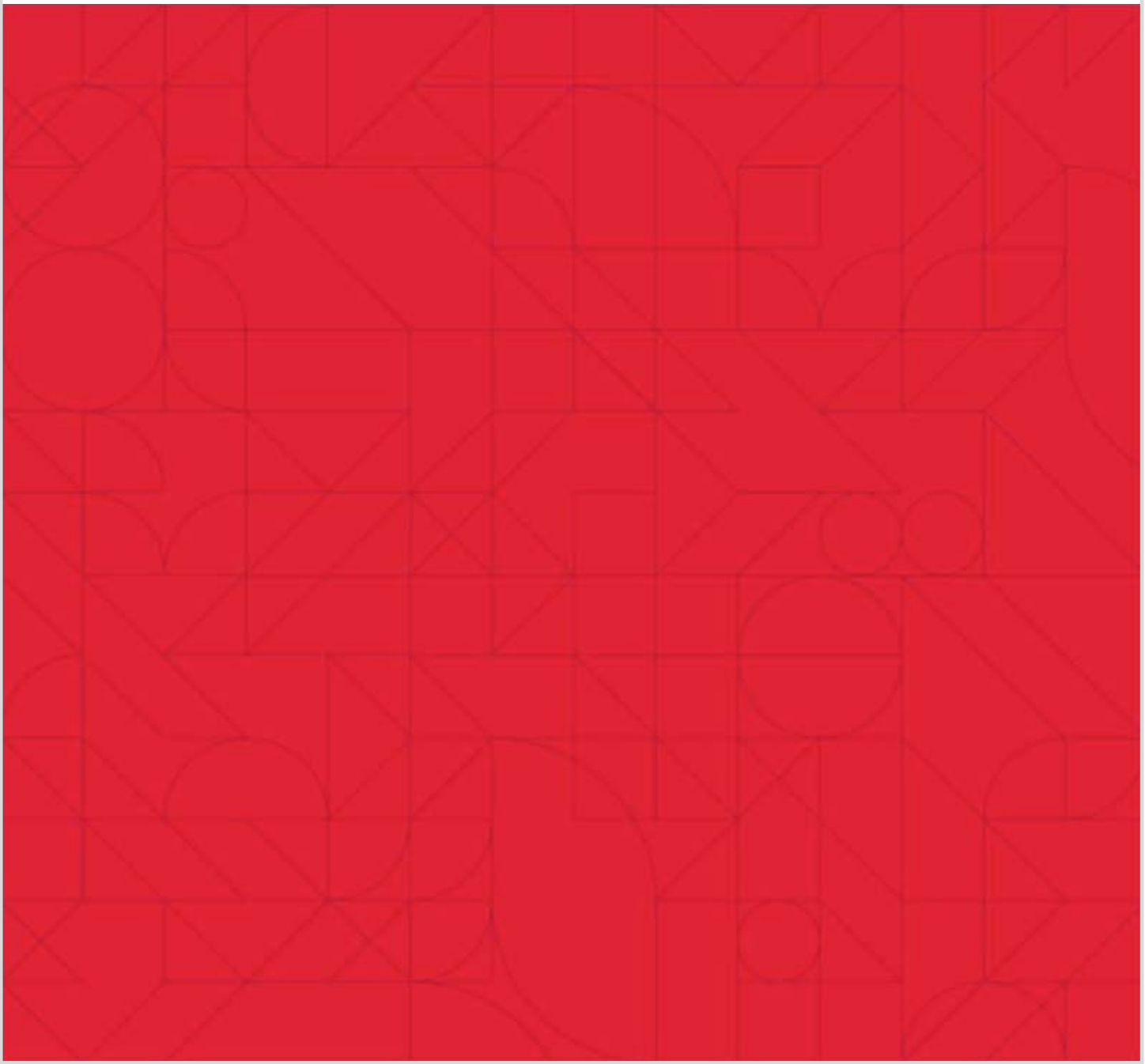
HAWORTH®

Time Studies

Architectural Wall Products

September 2018



Time studies for repair or replacement activities are based on historical trends extracted from previous warranty and corrective action projects and input from Dealers, Independent Installers, Product Engineers and Sales Engineers for accuracy and fairness.

It is important to remember that all times are for each manual operation necessary to complete a replacement or repair.

As an example:

If a slow close sliding door needs replacement of the roller assemblies. The removal and replacement of each of these components must be considered

Setup		30 minutes
Remove Door		5 minutes
Remove Track End Cap		5 minutes
Release Both Stops		5 minutes
Replace Both Rollers		5 minutes
Reinstall Both Stops		5 minutes
Reinstall Track End Cap		5 minutes
Reinstall Door and Tune		10 minutes
	Total	70 man minutes

These time studies are not intended to cover every repair situation, nor are they intended to be the limit for Warranty Reimbursement. Haworth realizes that each facility and situations are different and may cause repair times to differ. These studies are intended to be used as a guideline. Always obtain prior approval on labor quotes from your Corrective Actions Coordinator.

Product / Operation Description	Minutes/Component
SET-UP	
One-Time staging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Floor mounted door stop	10 minutes
Wall mounted door stop	10 minutes
Y Bolt installation (doesn't include tying to deck)	20 minutes
Track Flap Installation 10'x10'	30 minutes
Adjusting Vertical Alignment on Transoms or Stackons	30—60 minutes
Replacing Glass Pane within a Glass Panel	15—30 minutes
Replacing Base Track Panel not Standing	15 minutes
Replacing Cornice Components	
Panel Connector	20 minutes per length
Corner and Starter Brackets	10 minutes per bracket
Brace Bracket	10 minutes per bracket
Beams	60 minutes dependent on length
Cosmetic Caps and Brackets	30 minutes for 10' length
Plywood Backing	40 minutes
>8' tall Tile/Pad Replacement	10 minutes
<8' tall Tile/Pad Replacement	5 minutes
Framed Glass Replacement in a Combi Panel	60 minutes
Filler Finn Replacement	60 minutes
Adding a Electrical Box	60 minutes
Recovering Tiles/Pads	90 minutes
Recovering Posts/Caps	35 minutes
Replace Glass in Frameless Corners	
Generation 1	120 minutes
Generation 2	60 minutes
Generation 3	60 minutes
Building On/Off Module Replacement	30 minutes
2/90—3/90—Inline—Variable Post Cover Replacement	30 minutes

Product / Operation Description	Minutes/Component
SET-UP	
One-Time staging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Doorframe Part Replacement	
Stabilizer	5 minutes
Leveler Assembly	15 minutes
Replace Vertical / Header	30 minutes
Cuttable Plinth	10 minutes
Strike	10 minutes
Non Slow Close C-Track Assembly Replacement	90 minutes
Non Slow Close Top Locking Chimney Replacement	70 minutes
Door Closure Replacement	35 minutes
End of Run Replacement	25 minutes
Low Profile Starter Replacement	45 minutes
Adjustable Starter Replacement	60 minutes
Poly Carbonite Connector—removal and replacement	70 minutes (includes tape set time)

Product/ Operation Description **TVT**

Replacing closer on a pivot door

One-Time staging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Unhook Closer	5 minutes
Take door down	5 minutes
Take down door Header	5 minutes
Take out closer	5 minutes
Re-install New closer	5 minutes
Re-install door Header	5 minutes
Re-install Door	5 minutes
Hook up closer	5 minutes
Adjust Closer	5 minutes

Total Time 75 Minutes

Product / Operation Description	Minutes/Component
This is for removing one pane of glass/with pivot door	
One-Time staging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Take down pivot door	5 minutes / with closer 10 minutes
Take down door header	5 minutes
Take down Vertical door jam	5 minutes
Take out glass and dispose of glass	10 minutes / time will very for disposal
Clean new glass	5 minutes per side/ 10 total
Install new glass	10 minutes
Install Vertical door jam	5 minutes
Install door header	5 minutes
Install pivot door	5 minutes / with closer 10 minutes
Total	90 minutes

Product / Operation Description	Minutes/Component
Replacing pivot door bracket	
One-Time staging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Taking down pivot door	5 minutes/ 10 with closer
Taking down Pivot door header	5 minutes
Taking down hinge side vertical door frame	5 minutes
Take out pivot bracket	5 minutes
Re-install new pivot door bracket	5 minutes
Re-install hinge side door frame	5 minutes
Re-install header	5 minutes
Re-install door leaf and closer if applied	5 minutes/ 10 with closer
Total Time	70 minutes/80 minutes with closer

Product/ Operation Description	
One-Time staging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Replacing Double Glazed Sliding Door(Single Glazed Wall)	
Take off door hardware	10 minutes
Take Door down	10 minutes
Re-install New Door	10 minutes
Re-install Hardware	10 to 15 minutes
Adjust door (if needed)	5 minutes
Total Time	75 minutes

Product/ Operation Description	
One-Time stagging charge	30 minutes
Actual Time for Operation not Coded	(actual)
Replacing 90' Post	
Take down old post	5 minutes
Cut New post to size	15 minutes
Re-install new post	5 minutes
Total Time	55 minutes

Product/ Operation Description	
One-Time stagging charge	30 minutes
Replacing Sliding Door	
Remove outer channel cap at top of door opening	10 minutes
If this is double glazed/ Remove outside pocket vertical	5 minutes
If this is double glazed/ Remove glass closes to frame	10 minutes
Take off door hardware	10 minutes
Take down door	5 minutes
Re-install hardware onto new door	5 minutes
Install new door	5 minutes
Re-install door hardware	10 minutes
Re-install glass/and vertical	10 minutes/5 minutes for vertical
Total Time	Time varies with what is being installed

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Product / Operation Descripon SET-UP	
One-Time staging charge	**30 minutes**
Actual Time for Operation not Coded	**(actual)**
Changing the glass Double Glazed Door Pivot	
Unhook closer	**2 minutes**
Take off Lock Set	**5 minutes**
Take Door Down and stand Door on its Side	**5 minutes**
Take out Plinth	**2 minutes**
Remove top, bottom and side of the door frame	**10 minutes**
Remove Glass	**5 to 15 minutes (Clean up for broken glass)**
Clean new glass	**5 minutes per**
Put new glass in	**5 minutes**
Reinstall top, bottom and side	**10 minutes**
Reinstall Plinth	**2 minutes**
Reinstall Door	**5 minutes**
Reinstall Hardware	**5 to 10 minutes**
Hook up closer	**2 minutes**
Make any adjustments need(Plinth, Closer)	**2 to 6 minutes**
Total Time	**65 minutes**

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