

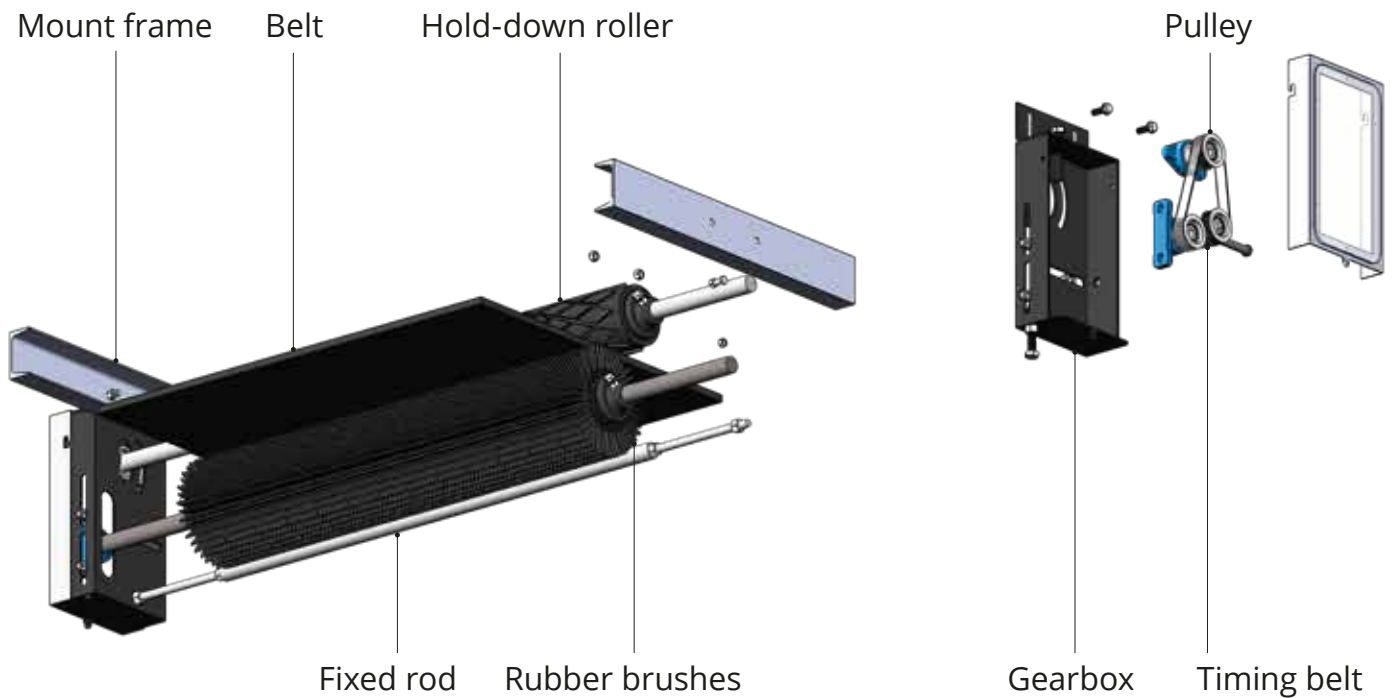
# Installation and Maintenance Manual

Rubber Brush Belt Cleaner

## TRM BELT CLEANER



# The RBC Assembly Drawing



Before installing the cleaner,  
turn off and lock out/tag out at the power sources

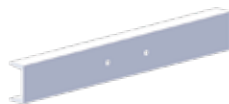
## Tools Required

Open end wrench (M12/M16), Adjustable wrench

## Installation Steps

### Step1 Mount Frame into the Structure

Locate frames and keep the 60~80cm in front of return idlers with the least vibration.



### Step2 Install the Hold-Down Roller on the Top Side of the Belt

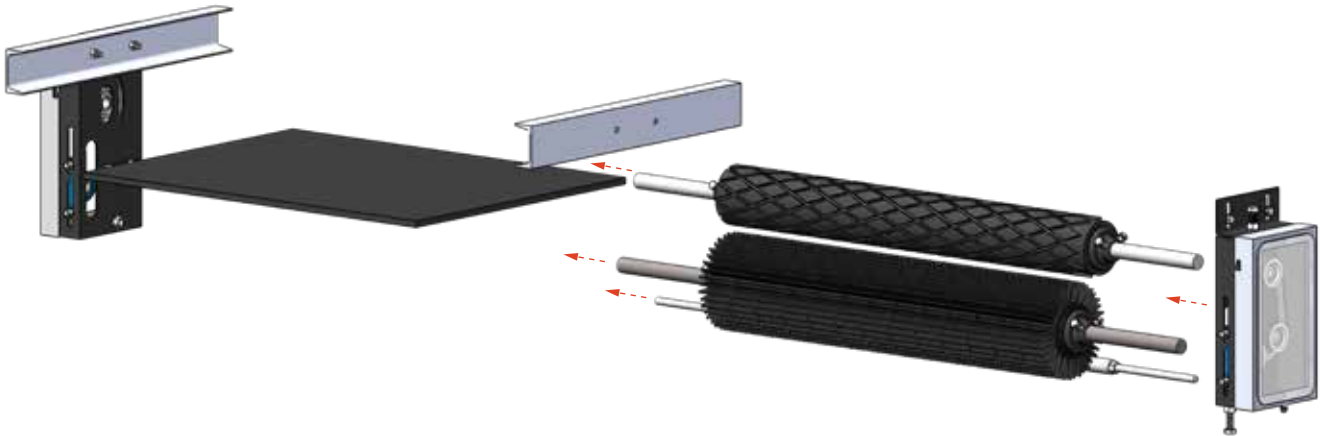
Install the hold-down roller and then make sure the location of the gearbox

(NOTE: make sure the hold-down roller to align the center of the structure. DO NOT align the center of belt or decrease the cleaning performance caused by belt mistracking.)



## Installation Steps - cont.

### Step3 Install the Gearboxes, the Fixed Rod, the Hold-down Roller and the Brush Belt Cleaner

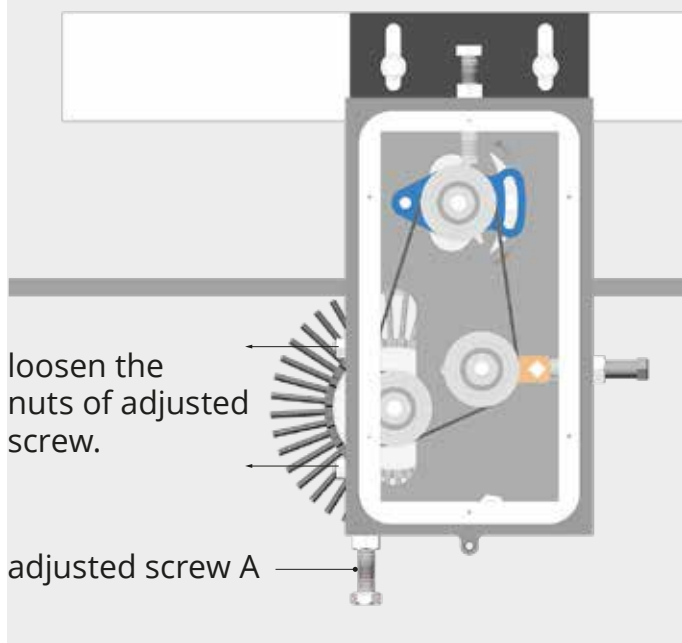


### Step5 Adjust the Blade-to-Belt Tension

Rotate the rubber brushes until the row of rubber brushes, which are perpendicular to the belt surface. Loosen the nuts of adjusted screw A and turn adjusted screws up on both sides until rubber brushes completely contact the belt surface. Then keep adjusting the tension so that there's 2~3mm of brush deflection and tight nuts on both sides.

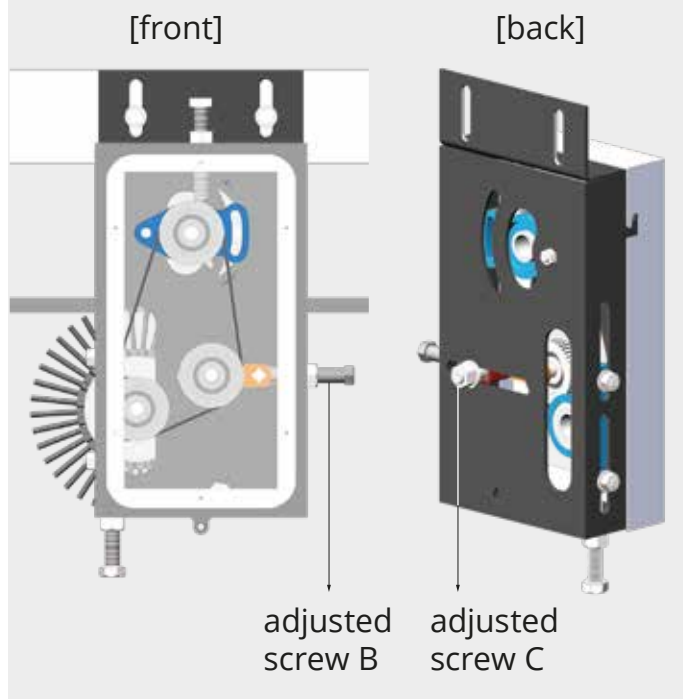
**(NOTE1: make sure adjusted screws on both side to be parallel or decrease the cleaner performance, break the bearing, and break the reducer.)**

**(NOTE2: turn adjusted screws up less than 8mm or break the rubber brushes caused by too much pressure.)**



### Step6 Adjust the Timing Belt Tension

Loosen the nuts of the adjusted screw B and the adjusted screw C. Adjust the timing belt tension until it effectively drives the hold-down roller and the brush belt cleaner. Then tighten the nuts of the adjusted screw B and the adjusted screw C.



## Installation Steps – cont.

### Step7 Complete Installation and Test Run at least 15 Minutes

Recheck all fasteners are tightened and remove all installation materials and tools from the conveyor area before running test.



## Notification of Hazards

Workers are required to wear hard hats, glasses or face shields, gloves, work shoes or boots with slip-resistant and puncture-resistant soles, and so on at all times on the job site to maintain in good working condition.

Hazards	Causes	Solutions
Cuts, scratches and grazes	Get a cut, scratch or graze on the job	1. Use PPE correctly. 2. Injury prevention at work.
Stab	Stabbed by an iron nail and sheet metal	1. Clean iron nails and sheet metal.
Weld	Get an electric shock or explode	1. locate an airy place, use glasses or face shields, and set a No Open Flames sign. 2. Use a insulated shank with heat-resistant. 3. Remove inflammable and prepare a fire extinguisher.

## Maintenance

**Maintenance** Inspect the Blade for Wear toward “Abrasion Limit Line” and Replace if Needed

When blades are worn toward “abrasion limit line” that the brush has at least approximately 16.5mm in length, stop operation and replace them to protect belt.

