

TRM 600/700/800 Common Frame Update

Introduction

Precor has implemented a new common frame weldment that will be used across the TRM600, TRM700, and TRM800 Experience™ Series treadmills. The common frame was released on production units beginning 05/14/2019. It is the intent of this document to provide information about how the new common frame update has effected related service and maintenance tasks.

The TRM600 was initially released with a common frame so there are no new common frame updates to report for this particular product line. However, this is a major frame update for the TRM700 and TRM800 series treadmills. Because the TRM700/800 product lines share the same base system components, any common frame updates will apply equally to both product lines. The following is a summary of the TRM700/800 common frame updates:

- Running belt and deck updates:
 - New common frame drive roller
 - New common frame take-up roller and running belt adjustment mechanism
 - Different size running deck
- New landing trim and end cap covers
- New drive belt tension adjustment mechanism
- Redesigned front compartment dust guard (easier drive belt removal)

We will also point out the common frame differences between the TRM600 and the TRM700/800 series treadmills.

ORDERING PARTS

When ordering parts for the TRM700 and TRM800 series treadmills, you will need to provide the equipment frame type (legacy frame or common frame) to the Precor customer service representative.

Ways to identify the common frame

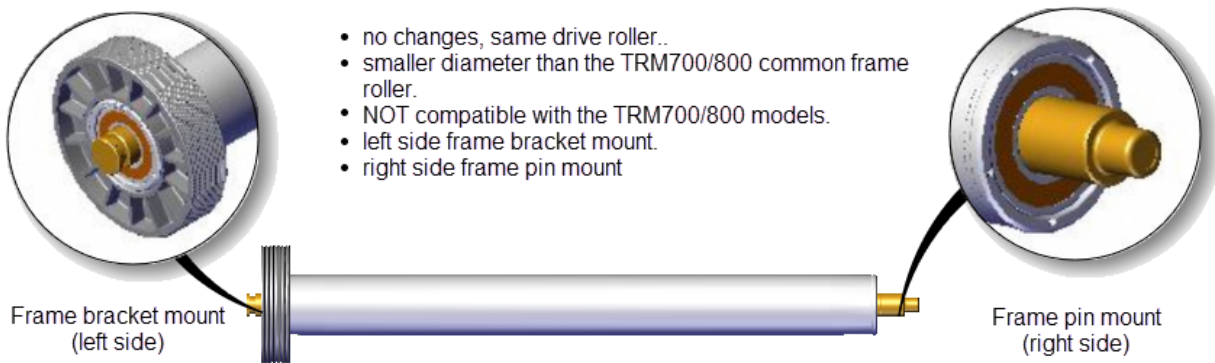
- Use the equipment manufacture date:
 - Treadmills built prior to 5/14/2019 use a legacy frame.
 - Treadmills built on or after 5/14/2019 use the new common frame.
- Visual cues to identify the common frame:
 - Check for a drive belt adjustment bolt (yes - common frame, no - legacy frame), see “DRIVE BELT TENSION ADJUSTMENT BOLT MECHANISM.”
 - Check the shape of the end cap cover running belt adjustment bolt access hole (oval - common frame, round - legacy frame), see “LANDING TRIM AND END CAP COVERS.”

COMMON FRAME DRIVE ROLLER

There are two common frame drive rollers, one for the TRM600 and another for the TRM700/800 treadmills. The TRM600 treadmill uses a smaller diameter drive roller and not compatible with the TRM700/800 treadmills. The TRM700 and TRM800 use the same drive roller.

Both the TRM600 and TRM700/800 drive rollers use the same common frame mounting system. One end of the roller shaft is a pin that slides into a frame pin mounting hole. The other end of the shaft is milled to set into a frame mounted bracket. On TRM600 models, the shaft bracket mount is on the left side of the roller and the shaft pin mount is on the right side. On TRM700/800 models the frame roller mounts are switched, the shaft bracket mount is on the right side of the roller and the shaft pin mount is on the left side.

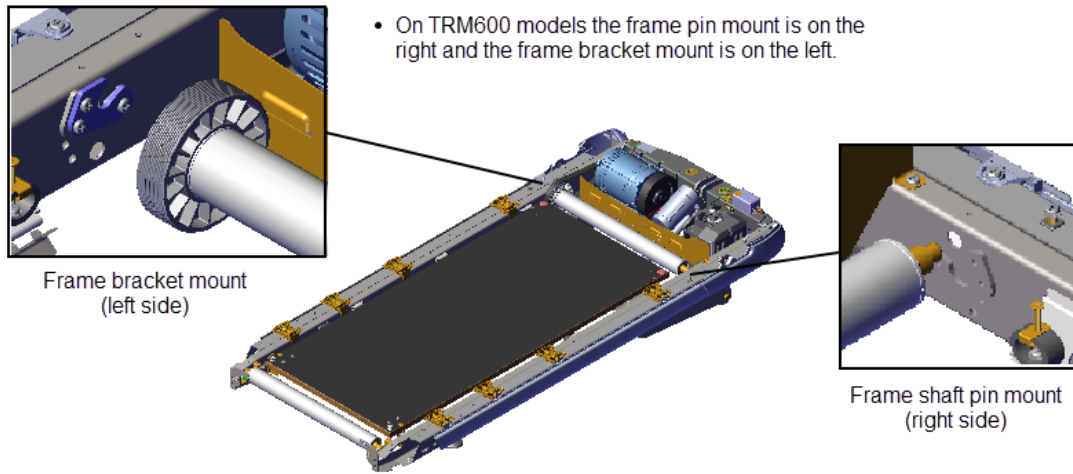
TRM600 drive roller assembly



- no changes, same drive roller..
- smaller diameter than the TRM700/800 common frame roller.
- NOT compatible with the TRM700/800 models.
- left side frame bracket mount.
- right side frame pin mount

TRM600 Common Frame Drive Roller

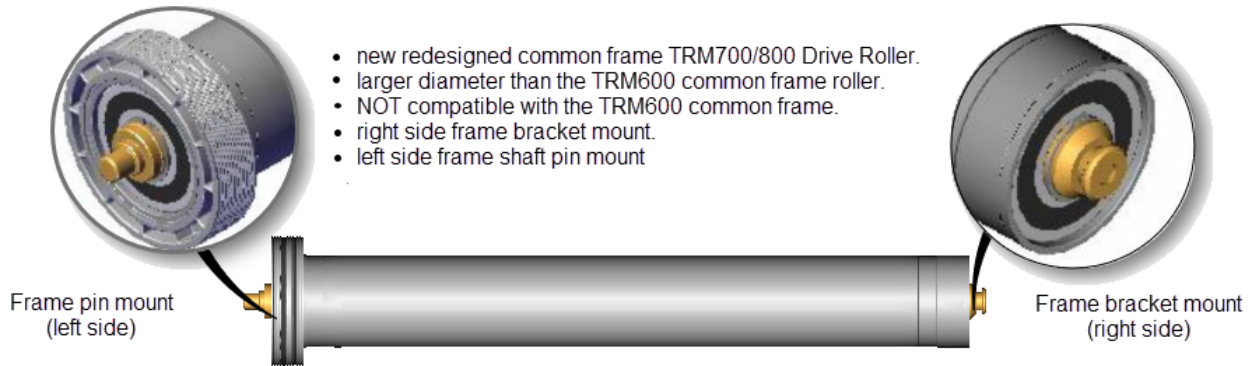
TRM600 drive roller installation



- On TRM600 models the frame pin mount is on the right and the frame bracket mount is on the left.

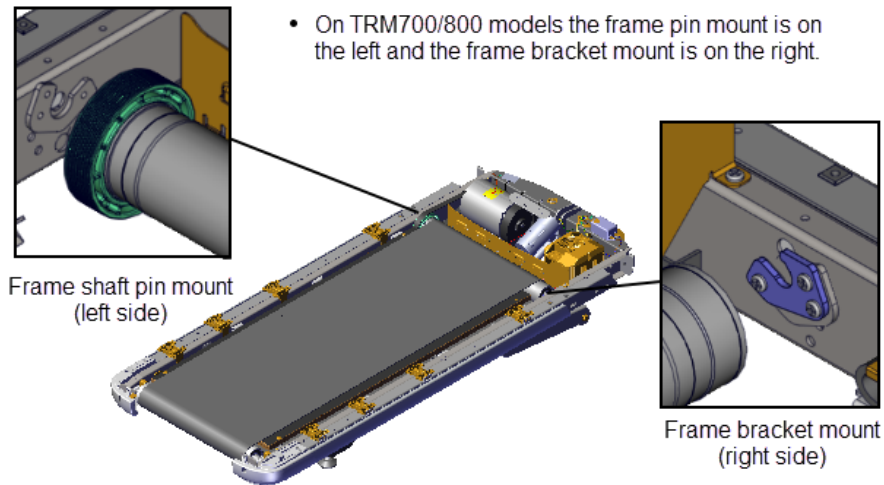
TRM600 DRIVE ROLLER INSTALLATION

TRM700/800 drive roller assembly



TRM700/800 COMMON FRAME DRIVE ROLLER

TRM700/800 drive roller installation



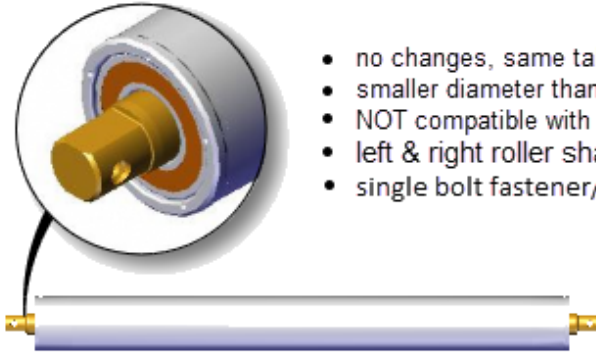
TRM700/800 DRIVE ROLLER INSTALLATION

COMMON FRAME TAKE-UP ROLLER

There are two different common frame take-up rollers, one for the TRM600 and another for the TRM700/800 treadmills.

TRM600 take-up roller

The TRM600 common frame take-up roller has not changed. It is a smaller diameter roller and not compatible with the TRM700/800 treadmills. The roller is designed to use the common frame single bolt fastener/belt tension adjustment mechanism.

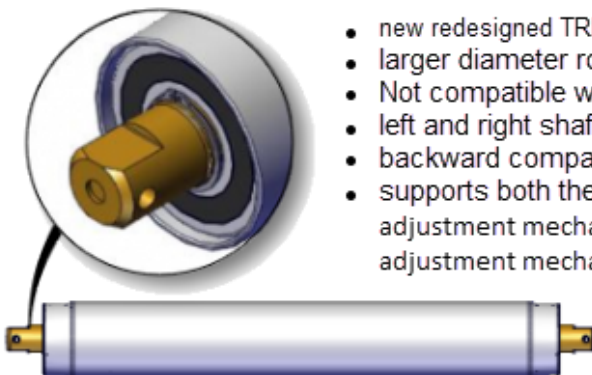


- no changes, same take-up roller.
- smaller diameter than the TRM700/800 common frame roller.
- NOT compatible with the TRM700/800 models.
- left & right roller shaft ends are the same.
- single bolt fastener/belt tension adjustment mechanism.

TRM600 Take-up Roller

TRM700/TRM800 take-up roller

There is a new redesigned take-up roller for the TRM700/TRM800 common frame. It is a multi-use roller designed to work with the new common frame single bolt fastener/belt tension adjustment mechanism and the legacy frame cassette style belt tension adjustment mechanism. The legacy frame take-up roller part is no longer available, so the common frame roller is now the replacement part for the legacy frame take-up roller.

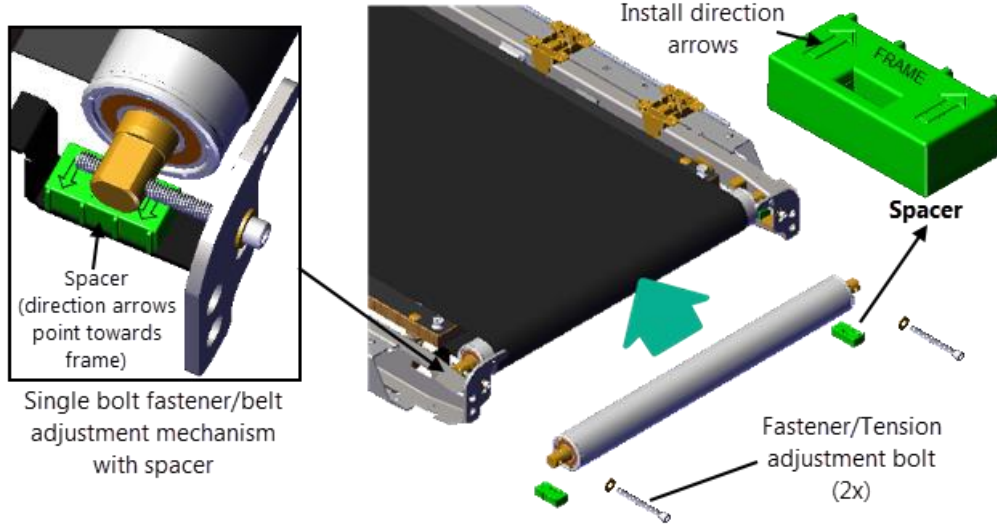


- new redesigned TRM700/800 common frame take-up roller.
- larger diameter roller than the TRM600 common frame roller.
- Not compatible with the TRM600 treadmills
- left and right shaft ends are the same.
- backward compatible with the TRM700/800 legacy frame.
- supports both the new common frame single bolt fastener/belt adjustment mechanism and the legacy frame cassette style fastener/belt adjustment mechanism.

TRM700/800 Take-up Roller

TRM600 take-up roller installation

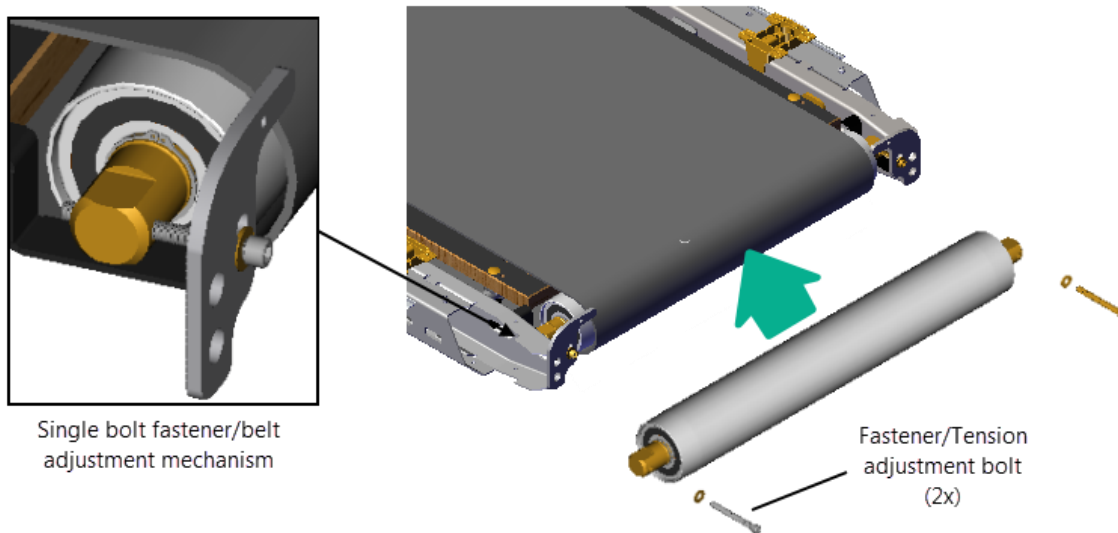
The TRM600 common frame take-up roller installation is slightly different than the TRM700/800 because the TRM600 take-up roller is a smaller diameter roller. A spacer is required to raise the roller to the correct mounting height. Other than that, there is no difference between the TRM600 and TRM700/800 installation and belt adjustment procedure. All common frame treadmills use the single bolt fastener/belt tension adjustment mechanism.



TRM600 Common Frame Take-up Roller Installation

TRM700/800 take-up roller installation

The TRM700/800 common frame take-up roller installation and belt adjustment mechanism has changed from the legacy frame cassette style mechanism to the single bolt fastener/belt tension adjustment mechanism. On the common frame, the running belt tension adjustment bolt is both the take-up roller fastener and the belt tensioner. The downward force from the belt tension holds the roller in place.



TRM700/800 Common Frame Take-up Roller Installation

COMMON FRAME RUNNING DECK

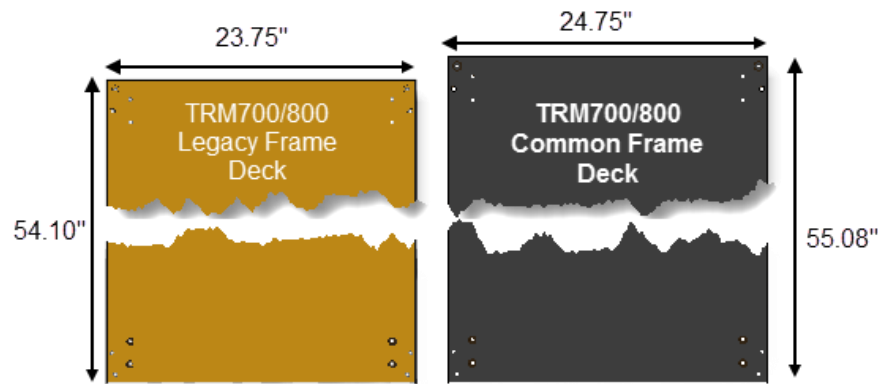
TRM600

There are no changes to the TRM600 common frame running belt and deck. The belt and deck are not compatible with the TRM700/800 treadmills.

TRM700/800

There is a new TRM700/800 common frame deck that is not backward compatible with the legacy frame. The common frame deck is approximately 1" larger in length and width than the legacy frame deck. The TRM700/800 common frame deck is not compatible with the TRM600.

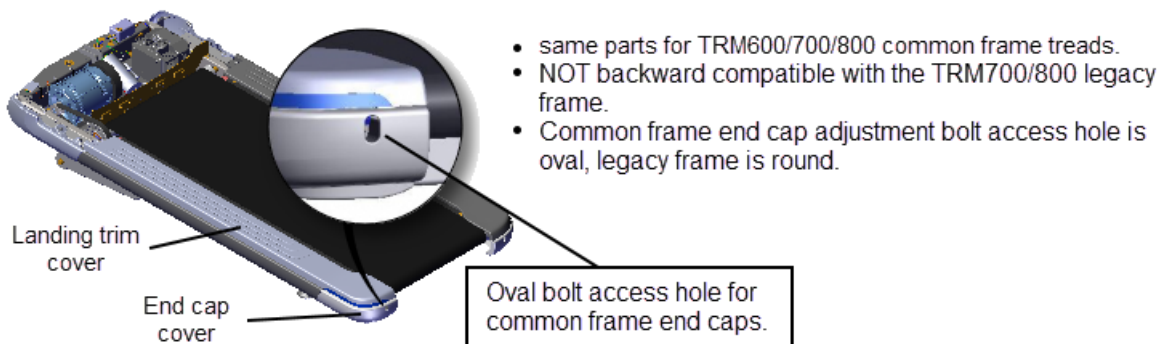
There are no changes to the running belt parts. The larger common frame deck uses the same running belt as the smaller size legacy frame deck. The Forbo belt with a pre-waxed deck or the Ammeraal Beltech belt with a no wax deck.



Common/Legacy Frame Deck Dimension Comparison

LANDING TRIM AND END CAP COVERS

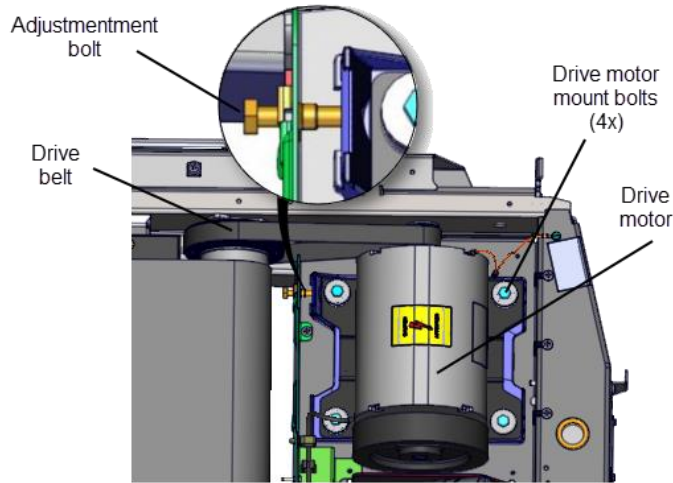
All three TRM600/700/800 series treadmills use the same common frame landing trim and end cap covers. However, on the TRM700/800 series, the common frame covers are not backward compatible with the legacy frame covers. The end cap covers can be used to visually identify a common frame machine. On common frame machines the shape of the belt tension adjustment bolt access hole is oval and on legacy frames round.



TRM600/700/800 LANDING TRIM AND END CAP COVERS

DRIVE BELT TENSION ADJUSTMENT BOLT MECHANISM

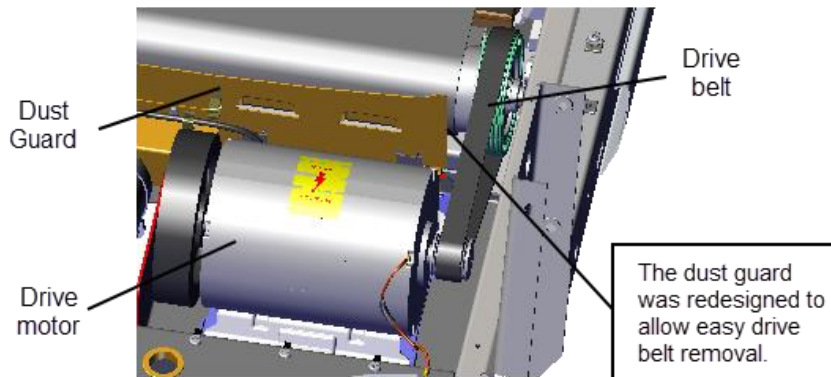
The new common frame has improved the drive belt adjustment process by adding a drive belt adjustment bolt mechanism. The new procedure is faster, easier, and less prone to error. Loosen the four motor mount bolts, use the belt tension adjustment bolt to tension the belt and then retighten the motor mount bolts securing the belt tension and motor.



DRIVE BELT ADJUSTMENT MECHANISM

DUST GUARD

The common frame dust guard was redesigned (trimmed back on the left side) so that the drive belt can be easily removed. On the legacy frame, the top of the dust guard extends to the inside edge of the frame rail blocking the drive belt from being removed. Removing the drive belt required the dust cover to be removed also. On the common frame, the dust cover no longer blocks the belt and does not need to be removed to remove the drive belt.



Redesigned Dust Guard