



Nipple Pipe Assembly Less Channel Installation Guide

Introduction

This instruction is to be used as a guide to install new Nipple Pipe Assemblies less channel. Removal of existing Nipple Pipes will be necessary prior to installation. The Support Channel from the existing equipment will be used for the new Nipple Pipe installation.

Installation of the new Nipple Pipe Assemblies will require two people to complete.

Before removal of existing Nipple Pipe Assemblies:

- Disconnect power to the anti-roost system (if installed).
- Turn off the water supply.

Disconnecting Nipple Pipe Assemblies

1. Loosen the anti-roost system (if installed).
2. Remove the Key, Channel Bracket, or Water Line Bracket from both ends of the Pipe Assemblies.
3. Slide the Pipe Assembly to be replaced out of the Expansion Coupling Assembly, Slope Compensator, or Regulator Assembly.

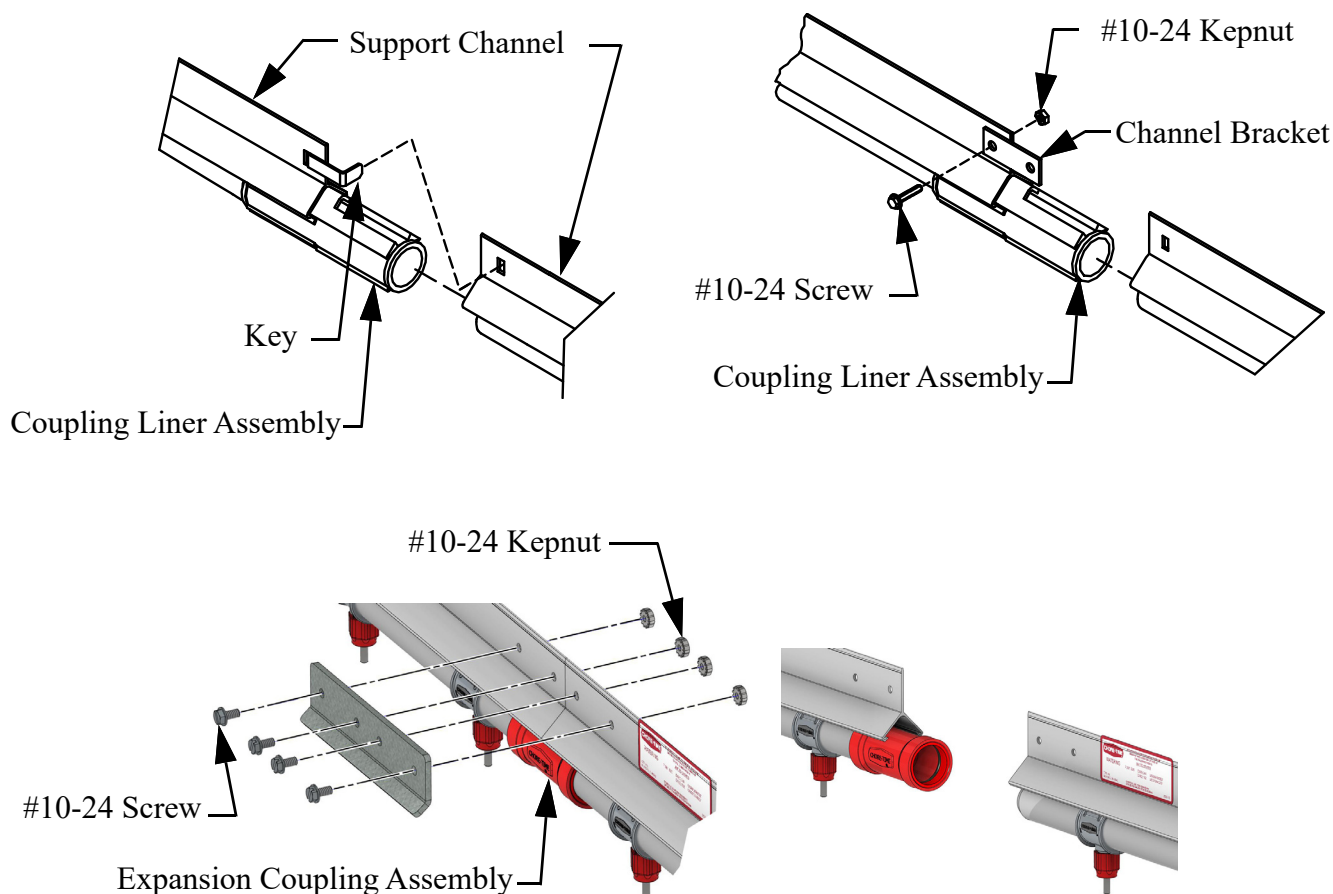


Figure 1. Separating the Nipple Pipe Assemblies

Removing old Nipple Pipe from Channels

1. Insert a flat head screw driver between the Saddle and the Support Channel **as shown**.
 - Start with the Saddle closest to the end of the Pipe Assembly.
2. Twist the screw driver and the Saddle will release from the Support Channel.
 - The Pipe Assembly will not release completely from the Support Channel until the last Saddle has been released.

Be careful not to damage the Support Channel during removal of the water Pipe Assembly!

3. Repeat steps 1 and 2 at the remaining Saddle locations to completely release the Pipe Assembly from the Support Channel.
 - The Pipe Assembly will fall out of the Support Channel once the last Saddle has been released in step 2.

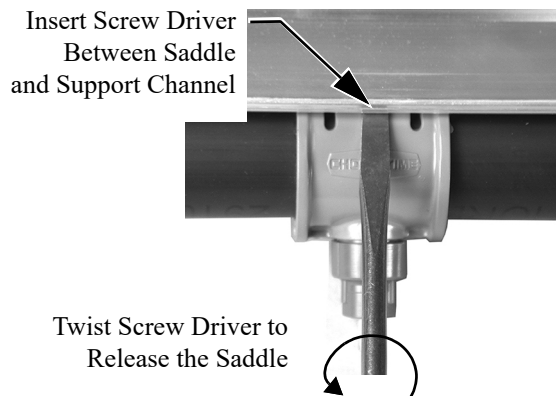
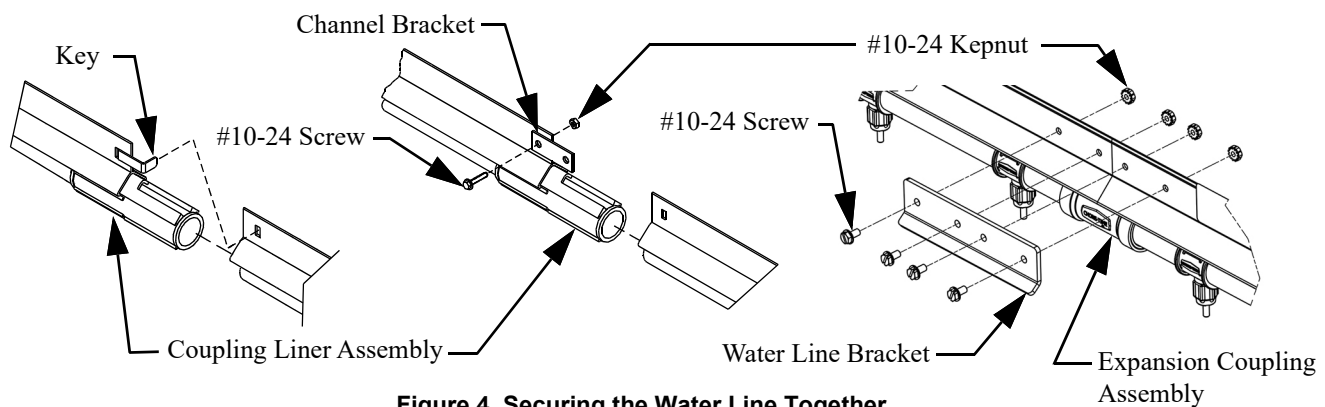
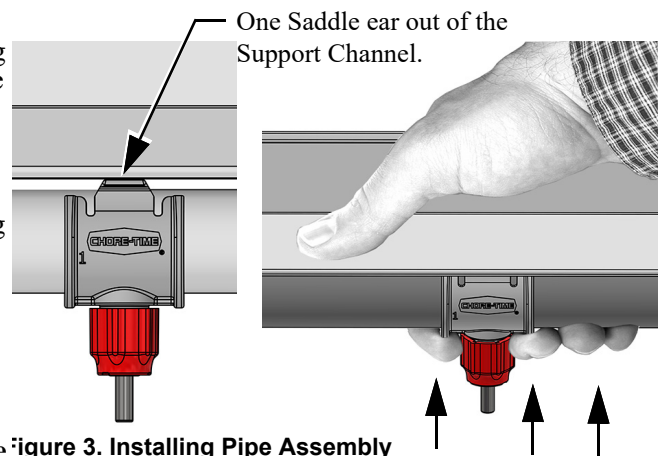


Figure 2. Release Saddle from Support Channel

Installing new Nipple Pipe:

1. Install one end of the Pipe Assembly into the Coupling Liner Assembly/Expansion Coupling Assembly, Slope Compensator, or Regulator Assembly.
2. Install Pipe Assembly to the Support Channel.
 - One person should hold the Pipe Assembly up next to the Support Channel while the other is installing the Saddle assemblies.
 - a. Rotate the Pipe Assembly to have one ear of the Saddle inside the Support Channel.
 - b. Begin installing at the first Saddle from the end of the Pipe Assembly installed in step 1.
 - c. Reach over the Support Channel and **pull up on the Saddle assembly** to snap the Saddles into the Support Channel.
 - d. Repeat for all Saddles on the Pipe Assembly.
3. Install the end of the Pipe Assembly into the Coupling Liner Assembly/Expansion Couplings, Slope Compensator, or Regulator Assembly.
4. Re-Install Channel Brackets, Keys, Water Line Brackets, Coupling Liner Assemblies, or Expansion Couplings at both ends of the Pipe Assemblies.



5. Tighten anti-roost system (if installed). The Spring should be stretched to an overall length of 8" [203mm]. Adjust as required.
6. Turn on the anti-roost system (if installed).
7. Turn on the water supply.