The MA20 requires these items to work with the nVision Chassis and CrystalControl:

- CrystalControl 1.2 or later
- nVision Chassis firmware R080005 or later
- Switch Test Setup

**Note:** Conduct the Switch Test Setup every time you use the MA20 with a new nVision chassis.

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**INSTALLATION**

- Install the MA20 module.
  1. Disconnect the nVision USB cable.
  2. Remove the 4AA battery module.
  3. Insert your MA20 into your nVision Chassis in the desired bay and fasten it in place with the included screws.
  4. Reinstall the 4AA battery module and turn on your nVision with the (Power) button.
  5. Reconnect the nVision USB cable to the nVision chassis and then to your PC.
- Open CrystalControl
  - Click the **Select Gauge** button.

- Switch Test Setup
  1. Click to select the MA20 Module from the left side tabs.
2 Click the **Setup Wizard** button.

3 Install your Red and Black test leads into the Switch Test locations as shown in the wizard. Ensure that the leads are not connected together forming a closed circuit.

4 Press **Start**. The application will survey the circuit in the open state.

5 When prompted by “Waiting for switch to close…,” connect the red and black test leads together creating a closed circuit. The application will survey the circuit in the closed state.

6 Select **Finished**.

7 Update your Gauge by selecting the **Update Gauge** button.

Your nVision with MA20 is fully functional and ready to use.