

## Powers™ Controls

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### Tool Kit for Thermostat Calibration

**Product Number** 832-178

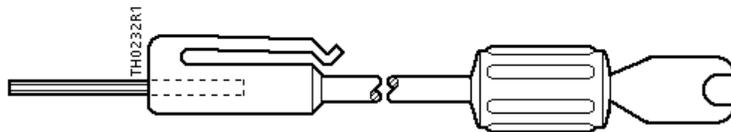
**Description** This kit provides the special tools required to calibrate the TH 180, TH 182, TH 188, TH 192, TH 832 thermostats. The kit contains all the items listed in Table 1.

**Table 1. Tool Kit Parts List.**

Item	Description	Quantity	Used On Thermostat	Figure Number
1	Cover screw and calibration wrench	1	TH 180 TH 182 TH 192	1
2	Nozzle wrench	1	TH 180 TH 182 TH 188	2
3	Pressure tap needle	1	TH 192	3
4	D Adjustment Key	1	TH 832	4

**Cover Screw And Calibration Wrench**

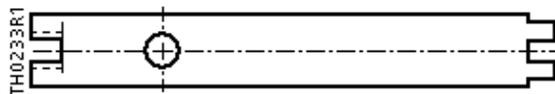
The cover screw and calibration wrench has a 1/16-inch (1.6 mm) hex allen wrench and a 1/8-inch (3.2 mm) open end wrench. The allen wrench is used to loosen the cover screws on the TH 180, TH 182, and TH 192 thermostats, allowing the thermostat cover to be removed. The open end wrench is used to adjust the calibration screw on the TH 192 thermostats.



**Figure 1. Cover Screw And Calibration Wrench.**

**Nozzle Wrench**

The nozzle wrench shown in Figure 2 is used to make adjustments on the TH 180, TH 182, and TH 188 thermostats. The flat 5/32-inch (4 mm) open end wrench is used to adjust the nozzle. The rolled edge 5/32-inch (4 mm) open end wrench is used to turn the changeover adjustment nut.



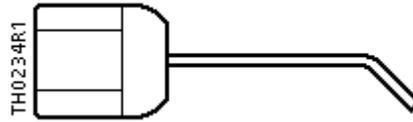
**Figure 2. Nozzle Wrench.**

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**Description, cont'd.**

Pressure Tap Needle

The pressure tap needle is designed to fit the test port on the TH 192 thermostats. A gauge is added to the pressure tap needle to read the control pressure.

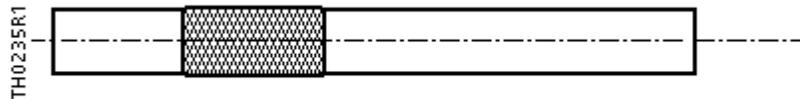


**Figure 3. Pressure Tap Needle.**

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"D" Adjustment Key

The "D" adjustment key is used to loosen the triangle head cover screws and turn the square head calibration adjustment screw on the TH 832 thermostats.



**Figure 4. D Adjustment Key.**

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