

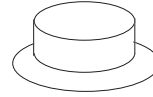
Accessories and Tools

Application

The sealtight conduit connector is used with the following actuator series: MX40-717X, MX40-634X, MS50-E2X01, MS50-H2X01.

TF-711-02

Sealtight Conduit Connector

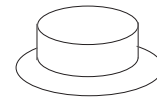


Application

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TF-713-02

Sealtight Conduit Connector



Application

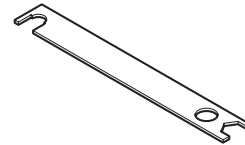
Calibration wrench for 2-position electric room thermostats, electric MU actuators and pneumatic receiver controller.

TOOL-11

Calibration Wrench

Specifications

Also included in AL-95.

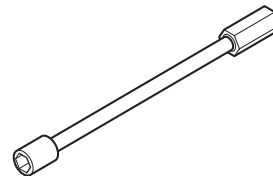


Application

5/32 hex auxiliary switch adjustment for MA and MP-5000 Series actuators.

TOOL-12

Auxiliary Switch Adjustment

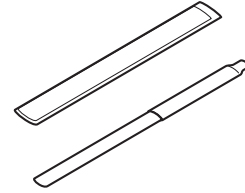


Application

For contact preparation.

TOOL-13

Contact Burnishing Tool

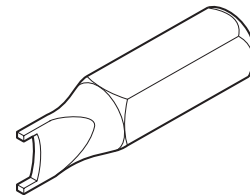


Application

Spanner head bit for #6 spanner head screws.

TOOL-14

Spanner Head Bit

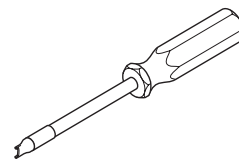


Application

Spanner head driver with bit for #6 spanner head screws.

TOOL-15

Spanner Head Driver with Bit

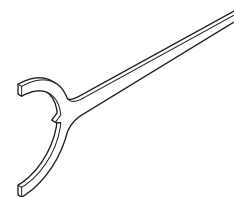


Application

Cam adjustment wrench for ME-12313 and ME-12313-102 actuators.

TOOL-16

Cam Adjustment Wrench



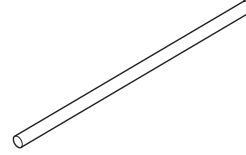
Accessories and Tools

Application

Spring compression pin for MA and MP-5000 actuator linkage sets.

TOOL-19

Spring Compression Pin

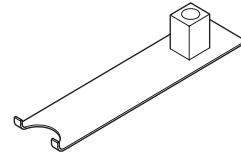


Application

Packing wrench for VB-121, VB-131, VB-151, VB-314, VB-324, VB-334, VB-354 valves.

TOOL-20

Packing Wrench

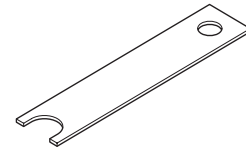


Application

Bellows compressor for remote bulb thermostats.

TOOL-23

Bellows Compressor

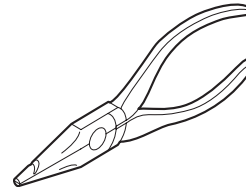


Application

Insertion tool — 5/32 in. plastic tube.

TOOL-74

Insertion Tool



Application

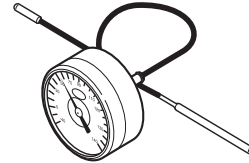
Adaptor-branch line and test gauge for TK-5XXX and TK-5XXXX type pneumatic room thermostat.

Specifications

Also included in TOOL-96.

TOOL-76

Line and Test Gauge



Application

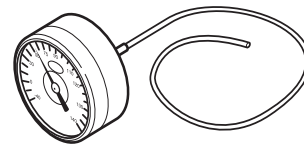
Adaptor-test gauge to branch line for TK-2XXX, TK-3XXX, and TK-4XXX type pneumatic bulb thermostat.

Specifications

Can be used with TOOL-87. Also included in TOOL-96.

TOOL-77

Adaptor-Test Gauge



Application

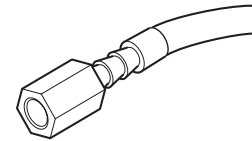
Adaptor for test gauge (TOOL-77) to branch test port for HK-1X12, TK-1XXX, TK-6XXX, TK-8XXX, TK-9XXX, and TK-1XXXX type pneumatic thermostat.

Specifications

Also included in TOOL-95-1 and TOOL-96.

TOOL-78

Adaptor-Test Gauge

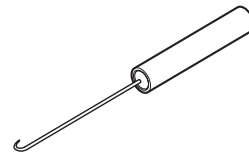


Application

Spring hook to disconnect springs on pneumatic thermostats.

TOOL-79

Spring Hook



Application

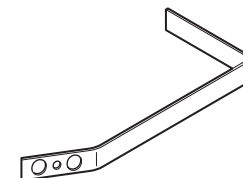
Manual changeover wrench for TK-12X1, TK-13XX, TK-15XX, TK-16XX, TK-13XXX, and TK-14XXX Series and calibration wrench for TK-17XX and TK-18XX Series.

Specifications

Also included in TOOL-95-1.

TOOL-80-1

Wrench



Accessories and Tools

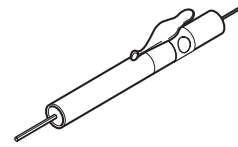
Application

Pocket wrench with 5/64 in. Allen wrench for branch test port on pneumatic thermostats and locking cover screws and 0.048 in. 6-spline wrench for thermostat calibration.

Specifications

Also included in TOOL-95-1.

TOOL-82
Pocket Wrench



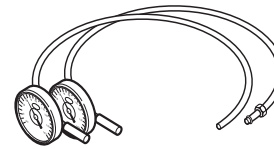
Application

Gauges and tubing for adapting TOOL-85 to both barbed and compression fittings.

Specifications

Also included in TOOL-96.

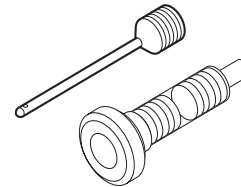
TOOL-86
Gauges and Tubing



Application

Needle and adaptor for use with 1/4 in. plastic tubing and AL-88 and AL-89 test fittings.

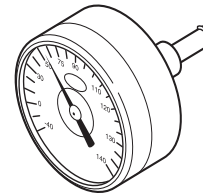
TOOL-87
Needle and Adaptor



Application

Branch test adaptor with gauge for Johnson thermostats.

TOOL-90
Branch Test Adaptor



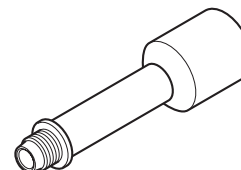
Application

Branch test adaptor without gauge for Johnson thermostats.

Specifications

Also included in TOOL-90.

TOOL-91
Branch Test Adaptor



Application

Pneumatic calibration tool kit. Calibrates all pneumatic equipment.

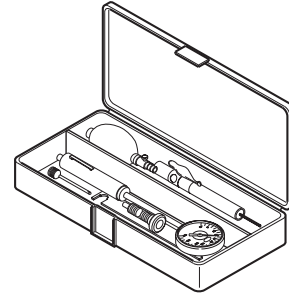
Specifications

Kit includes:

- MCS-GA, gauge adaptor.
- N2-4, 2 x 2, 1/16 in. hexhead thermostat calibration cover screw wrench.
- Female branch tee (1/4 barb x 1/4 barb x 1/8 in. FPT).
- TOOL-11: calibration wrench.
- TOOL-78: adaptor.
- TOOL-80: changeover wrench.
- TOOL-82: combination wrench.
- TOOL-83: mullion thermostat calibration wrench.
- TOOL-87: needle and adaptor.
- TOOL-110: 3/32 in. hex wrench.
- AL-362: 0 to 30 psi gauge.
- Air line tubing for barbed fitting.
- Air line tubing with compression fitting.
- 3/16 x 4 in. blade screwdriver.

TOOL-95-1

Pneumatic Thermostat Calibration Kit



Application

Pneumatic thermostat calibration kit.

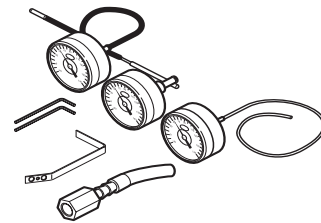
Specifications

Kit includes:

- TOOL-76: adaptor.
- TOOL-77: adaptor.
- TOOL-78: adaptor.
- TOOL-80: changeover wrench.
- TOOL-83: mullion thermostat calibration wrench.
- TOOL-111: 5/64 in. Allen wrench.
- TOOL-112: 7/64 in. Allen wrench.
- Three AL-362, 0 to 30 psi gauges.

TOOL-96

Pneumatic Thermostat Calibration Kit

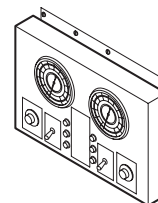


Application

Calibration instrument for pneumatic transmitter/receiver controller systems.

TOOL-100

Calibration Instrument



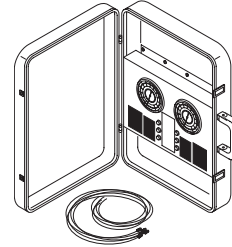
Accessories and Tools

Application

Calibration instrument for pneumatic transmitter/receiver controller systems.

TOOL-100-500

TOOL-100 in a Protective Case



Application

Wrench for removing thermostat backplates and covers.

TOOL-11X

Wrench

Specifications

TOOL-110

- 3/32 in. hex wrench.

TOOL-111

- 5/64 in. Allen wrench. Also included in TOOL-96. See also TOOL-82.

TOOL-112

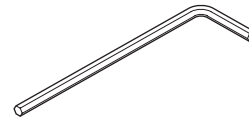
- 7/64 in. Allen wrench. Also included in TOOL-96.

TOOL-113

- 0.035 in. Allen wrench.

TOOL-115

- TORX T-8 offset driver for removing back plates of pneumatic room thermostats (TK-1XXX and TK-1XXXX) manufactured after 1-1-81.



Application

Calibration kit for System 8000 Controls.

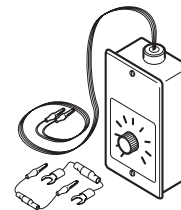
TOOL-201

Calibration Kit

Specifications

Kit includes:

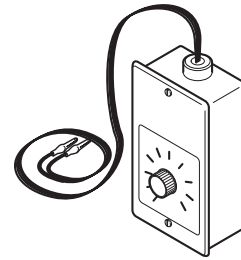
- TOOL-202: Calibration box (manual positioner).
- TOOL-203: Two 1000 Ω \pm 0.1% resistors.
- TOOL-204: 22K Ω \pm 1% resistor.



Application

Manual positioner with test connections for System 8000 controlled devices.

TOOL-202
Positioner



Application

Substitute for temperature element equivalent to 70°F for System 8000 controllers.

TOOL-203, TOOL-204, TOOL-205
Precision Resistor

Specifications

TOOL-203

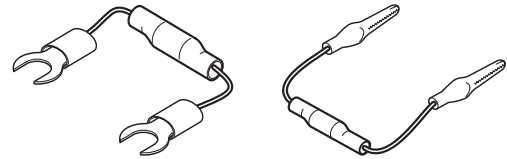
- 1000 Ω \pm 0.1% temperature coefficient 20 ppm/°C precision resistor.

TOOL-204

- 22K Ω \pm 1% resistor (substitute for HS-8XXX humidity element equivalent to mid-point of element) for System 8000 controllers.

TOOL-205

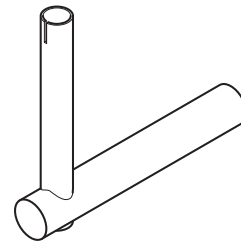
- 1 meg. Ω resistor for calibration of TP-8124.



Application

Setpoint calibration tool for System 8000.

TOOL-207
Setpoint Calibration Tool



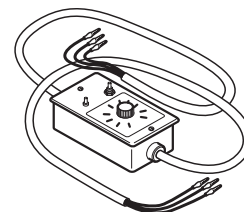
Application

135 Ω slidewire and 0 to 7 mA manual positioner.

TOOL-209
Manual Positioner

Specifications

- One AA battery required (not provided).
- For use with:
 - MPR-57XX Series actuators.
 - MPR-58XX Series actuators.
 - MSR-870XX Series actuators.
 - MSR-580XX Series actuators.



Accessories and Tools

Application

TOOL-210 simulates resistance change of Balco temperature sensors between 50 and 90°F. It is used to calibrate temperature setpoints or check throttling ranges of System 8000 controllers and to verify the system throttling range of 2 or 3 sequencing System 8000 controlled devices. TOOL-210 has a $\pm 5^\circ\text{F}$ vernier for fine adjustment.

Specifications

- Construction: 2 x 4 in. metal switch box.
- Simulated temperature range: 50 to 90°F simulated resistance change (Ω) for TS-8000 Series sensors. Vernier adjustment of $\pm 5^\circ\text{F}$.
- Ambient temperature limits:
 - Shipping and storage: -40 to 140°F.
 - Operating: 40 to 140°F.
- Humidity: 5 to 95% RH, non-condensing.
- Connections: Three 4 ft. color coded leads with alligator clips.
- Power Requirements: None.

TOOL-210

Temperature Sensor Simulator

