



Air conditioning

CONTROLS

INFORMATION
INSTRUCTION
AND PARTS
CATALOG

VAPOR CAR HEATING CO., INC.
RAILWAY EXCHANGE

CHICAGO

INFORMATION, INSTRUCTIONS
and PARTS CATALOG *for*
AIR CONDITIONING CONTROLS
and VAPOR HEATING DEVICES

Used With Air Conditioning Equipment



VAPOR CAR HEATING CO., INC., CHICAGO, ILL.

APRIL, 1935
CATALOG 53
PRINTED IN U.S.A.



VAPOR CAR HEATING CO., Inc.



This Catalog contains information, instructions, and catalog numbers of all parts comprising *Vapor Company's Air Conditioning Controls* and *Vapor Company's Heating Devices* used with air conditioning equipment.

When new devices are developed, or improvements are made in existing equipment, similar pages will be promptly sent to the holders of these books so that they will have at all times a complete *Air Conditioning Control Catalog*.

Our Air Conditioning Controls are covered by broad and basic patents owned, controlled, or licensed for use by this Company.

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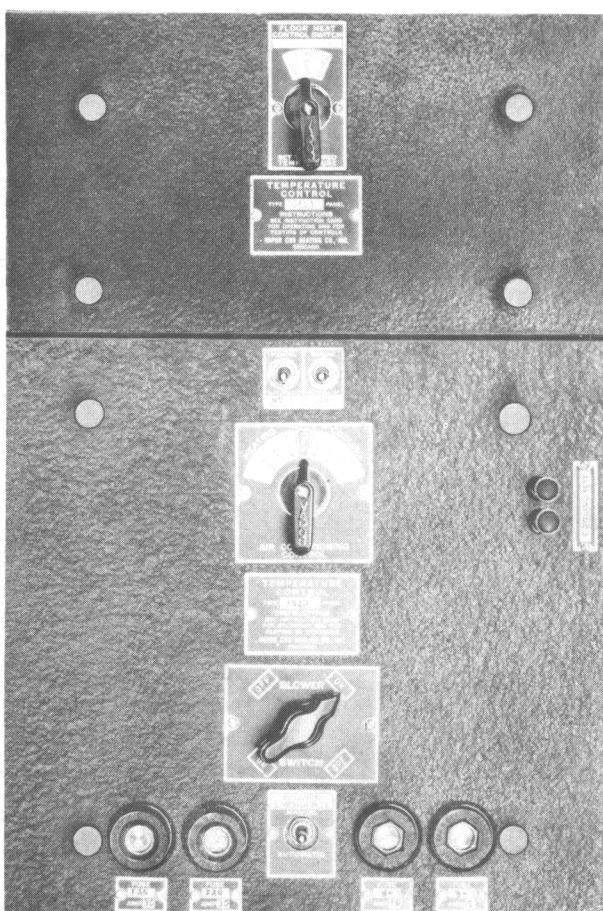
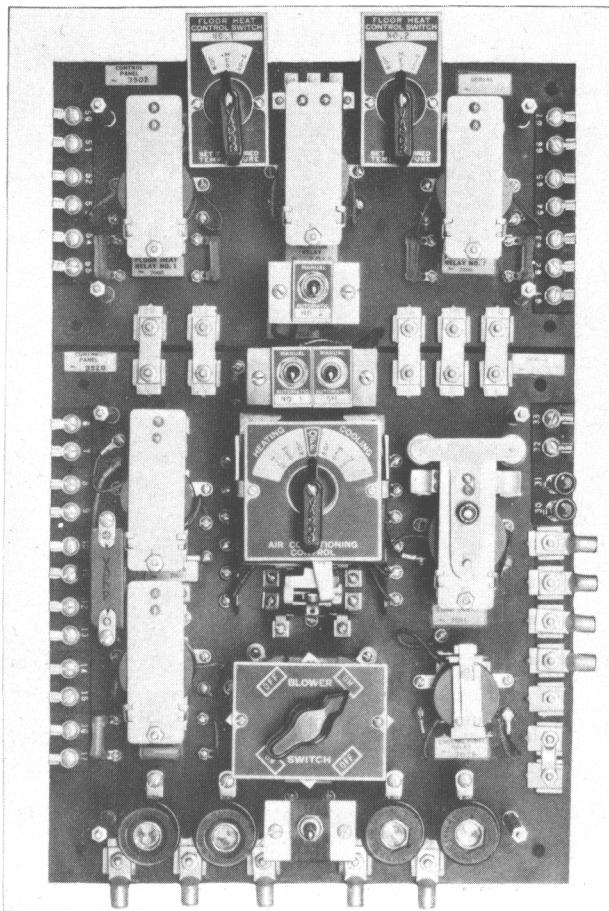
SECTION 1

- AIR CONDITIONING CONTROL PANELS

AIR CONDITIONING CONTROL PANELS

TYPICAL AIR CONDITIONING CONTROL PANEL

Connected at Top with Floor Heat Control Panel



No. 3520 Panel, having single speed fan control—Standard for use with Ice Systems of Air Conditioning where starting and stopping of pump is required, or with certain types of Mechanical Systems not using low voltage relay control.

Floor Heat Control Panels are furnished separate from the Air Conditioning Control Panels. No. 3501 Floor Heat Control Panel (shown above, at top of Air Conditioning Control Panel No. 3520) is used where floor heat is under control of only one Thermostat. Where two floor heat Thermostats are used No. 3502 Floor Heat Control Panel is required—see illustrations above.

The Air Conditioning Control Panels manufactured by the Vapor Company are designed to meet all the requirements of the various types of Air Conditioning Equipment. These panels are all made to be inter-connected to our Standard Floor Heat Control Panels thus giving a maximum flexibility with a minimum number of different panels.

Both the Air Conditioning and the Floor Heat Control panels are wired so the correct relation is established for the automatic interlocked operation of both panels.



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Where cars are already equipped with Vapor Company's Automatic Unit Control floor heat, the Air Conditioning Control Panels are arranged to be connected to the floor heat circuits already installed thus providing the same interlocking feature obtained with Floor Heat Control Panels.

All Control Panels are designed to give complete accessibility to all parts with the least amount of labor possible. Cover plates may be removed for inspection of relays and switches without disturbing the switch knobs or indicating plates; relays and switches may be removed from the front of panels without disturbing the wiring or removing the panel from its mounting; wiring on the back of panels is permanent and sealed with insulating compound to prevent open or short circuits from vibration, dust or moisture.

OPERATION

All Vapor Control Panels are standard in operation, easily understood and operated by all trainmen. Thus, on a train of cars having various types of Air Conditioning Equipment with Vapor Control Panels, all Panels will be operative in the same manner.

Briefly, the principles of operation are as follows:

Turn Blower Switch to the ON position; set Air Conditioning Control Switch to "High," "Medium" or "Low," as desired—in either the Cooling or Heating sector, as may be required by outside temperatures.

When Air Conditioning Control Switch is in the Cooling Sector, all heating—both overhead and thermostatically controlled floor heat—is automatically and positively cut out.

When Air Conditioning Control Switch is in the Heating sector, all cooling is automatically and positively cut out, and the thermostatically controlled floor heat is under separate and independent control of Floor Heat Switches.

When Air Conditioning Control Switch is in center or OFF position, all cooling and heating is cut out, and the blower fan will circulate air throughout car while in train service.

By turning Blower Switch to the OFF position, at end of trip, the floor heat circuits are automatically restored to operation under control of Floor Heat Switches.

When car goes into the yards for terminal lay-over, the Air-Electric Selector Switch automatically puts all floor heat circuits under "Low" control of Floor Heat Thermostats, which maintain low temperatures regardless of setting of floor heat switches, thus saving considerable steam and preventing possibility of freezing.

The "Cooling Test" connections on right hand side of Panel cover plate permit pre-cooling in yards with stand-by electric connections, when Air Conditioning Control Switch is in OFF position, but with Blower Switch in ON position.

Toggle Switches, as shown, are provided—one for each thermostatic heating circuit—to locate electric troubles in the heating circuits and to permit manual operation of valves when necessary.

When Overhead Heating is in operation or when Air Conditioning Control Switch is in OFF position, provision is made through the "automatic fan control" for stopping the blower fan should the air delivered by the overhead heating unit drop below a predetermined temperature, due to absence of steam for any reason. Toggle switch is provided to cut out this "automatic fan control" feature when desired, thus allowing fans to operate continually.



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SECTION 2

- INSTRUCTIONS FOR APPLICATION
- ADJUSTMENT AND TESTING AIR CONDITIONING CONTROLS

REISSUED

JUNE, 1937



A P P L I C A T I O N

ALL CONTROL PANELS shipped from our factory are carefully tested before shipment to eliminate adjustments after application to a car and if handled with reasonable care will need no attention other than a careful inspection.

Control panels, thermostats, valves and other accessories receive a thorough test which requires each unit to respond to more unusual conditions than actually exist in service.

For safety in shipment and for convenience in handling, each control panel is packed securely in an individual carton from which the panel should not be removed until ready for application. In case of damage in transit, be sure to use the same carton for return to factory.

When control panels are applied, make sure that the surface to which they are to be anchored is flat and not warped, otherwise the undue strain at one of the anchor bolts or screws may cause corner of panel to fracture or break.

Plainly marked terminals are provided for the necessary connections, and all wires applied to these terminals should be marked with a

stamped metal band around the insulation of the wire so that the wires can be readily identified.

Control panels to operate with SINGLE TUBE COMPENSATING THERMOSTATS use special resistors to obtain temperature selections. Instructions for proper application accompany each panel and should be carefully followed. Additional copies furnished upon request.

After installation has been completed, it is very important that the panel parts be cleaned by air to blow away all dust and small metallic particles which may collect on the various parts. This is especially necessary at the relay armature where iron filings might accumulate on the relay core. If the armature fails to close properly in the energized position, the relay points may not contact firmly. Examine carefully. Do not oil replay parts.

Application of other thermostatic specialties is fully covered in Book No. 51, and other pamphlets, which will be furnished upon request.

A D J U S T M E N T S

RELAYS: All relays are provided with a spring adjustment of the armature. The tension of this spring should be as great as possible but still permit the relays to function at 25% below normal voltage.

As all parts are not interchangeable on various relays refer to catalogue No. 53 for proper part numbers. Every part retains its same part number regardless of the devices in which it is used.

To insure proper tension against contact brackets, relay armature stops on double throw relays should be bent away from the armature when relay is not energized.

THERMAL CONTACTORS. No. 7041 Ther-

mal Contactors are used on all the latest panels to provide protection for valve solenoid coils. Solenoid valves which cannot operate due to obstruction in valve wing will cause thermal contactor to interrupt circuit at frequent intervals.

These contactors are set at the factory to hold the valve circuit open for sufficient periods to prevent valve coils from becoming overheated.

No. 7041 Thermal Contactors can be applied to any panels which used earlier types of circuit breakers of thermal contactors.

CONTROL SWITCHES: Control Switches and similar types are adjusted at the factory for proper tension. To re-adjust the switch tension it is necessary to remove the switch from the



panel, loosen the tension nut on the shaft, remove brush assembly, bend down on the brushes and re-assemble. Re-solder tension nut after

adjustment. Occasional light application of vaseline to contact points should be made to reduce wear of parts and provide easy operation.

TESTING

After installation a complete test of the entire system should be made. This should be done by alternate application of heat and cold to each group of thermostat tubes.

BLOWER SWITCH must be turned "ON" before overhead heat or cooling equipment will operate.

To test Overheat Heat set Air Conditioning switch to "HIGH" position in Heating Sector. Cool High temperature tube in Overhead Heat thermostat. Overhead valve should turn to "ON" Position; heating of tube should cause valve to turn to "OFF" position.

Set Air Conditioning switch to Medium position and cool both Medium and high tubes to cause Overhead Valve to turn to "ON" position. *Heat Medium tube keeping high tube cool,* overhead heat valve should then turn "OFF."

Set Air Conditioning to other positions and proceed with testing as above being sure to keep HIGH tube Cool.

FLOOR HEAT CONTROLS ARE tested in the same manner by setting the proper Floor Heat switch to each of its positions and alternate heating and cooling of corresponding thermostats.

Where Air Selector Switch is used, it should be turned to "Emergency" if air is not on train

line before panel tests are made to permit full range tests of all thermostats. Book No. 51 covers fully the installation and testing of Air Selector Switches.

COOLING CONTROLS can be tested in the same manner as heat thermostat by selecting each of the positions of the Air-Conditioning Switch in "Cooling" Sector and applying heat and cooling to the corresponding tube in the Cooling Thermostat. When the tube is cooled the cooling equipment should turn "OFF" and when heated cooling equipment should operate.

With Air Conditioning switch in highest position the placing of a "jumper" across "COOLING TEST" posts should cause cooling apparatus to run continually regardless of temperature in car.

FAN CONTROL: Panels equipped with Automatic Fan Control stop blower fans when air from Conditioning Unit drops in temperature due to the absence of steam when Air Conditioning switch is in "Heating" or "OFF" sectors. Panels equipped with this feature have in addition to the regular BLOWER SWITCH a small toggle switch. This switch Marked "BLOWER EMERGENCY" will operate fans contrary to Automatic Blower Control when placed in position.



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SECTION 3

- REPLACEMENT PARTS
- CONTROL PANELS

REPLACEMENT PARTS—CONTROL PANELS

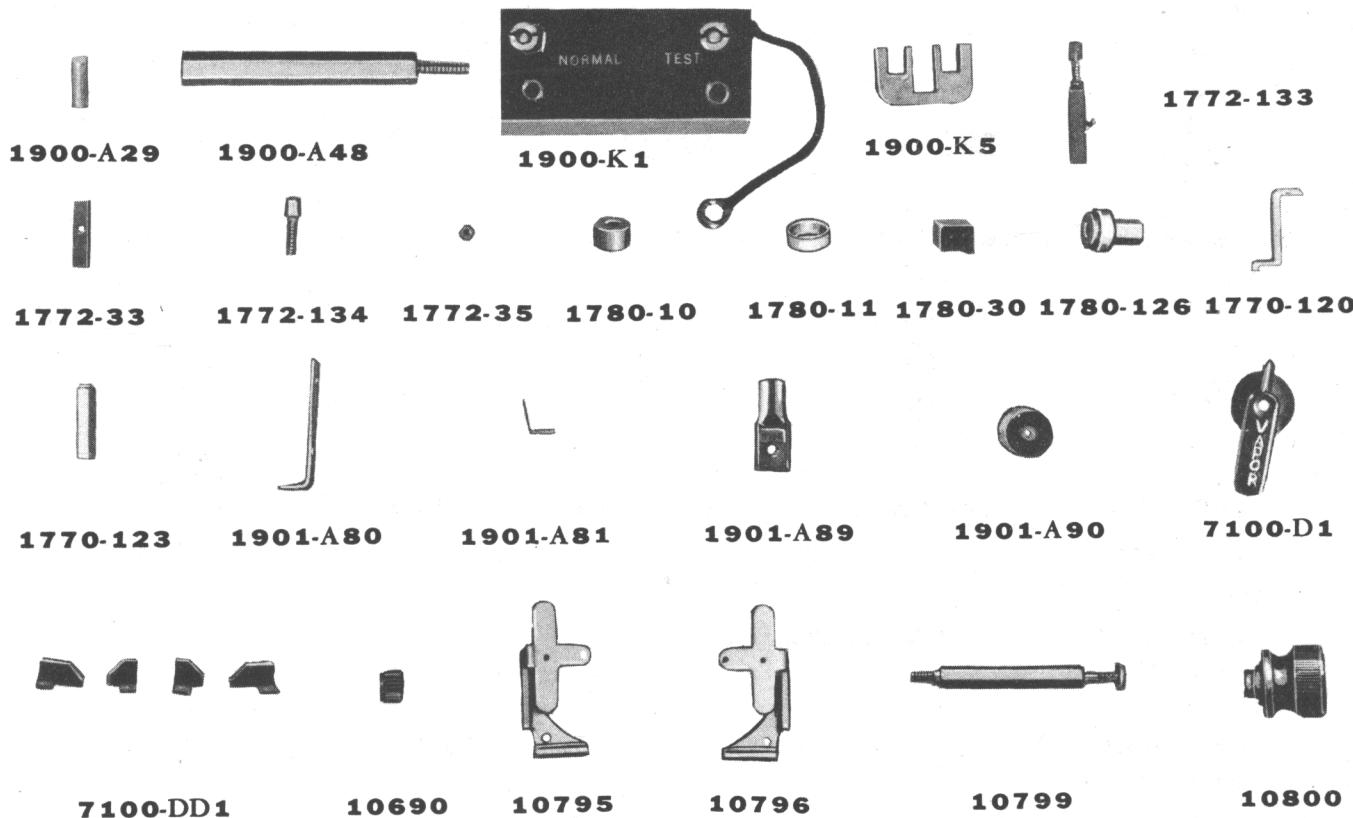
PART No.	DESCRIPTION
1770-120	Relay Contact Bracket with Contact
1770-123	Relay Contact Post with Contact
1772-33	Circuit Breaker Contact Support Post
1772-35	Locknut
1772-133	Circuit Breaker Contact Post Complete
1772-134	Circuit Breaker Adjustable Contact
1780-10	Carbon Contact
1780-11	Carbon Contact Retainer
1780-30	Copper Contact
1780-126	Carbon Contact Assembly
1900-A4	Panel Anchor Screw Sleeve
1900-A5	Cover Support Post
1900-A8	Terminal Post
1900-A9	Terminal Post Marker Strip
1900-A10	Terminal Post Marker Strip
1900-A11	Contact Anchor Stud
1900-A20	Terminal Stud
1900-A28	Heat Control Switch Support Post
1900-A29	Heat Control Switch Stop Sleeve
1900-A32	Fuse Receptacle Support Sleeve
1900-A34	Valve Test Button Spring
1900-A37	Fuse Receptacle
1900-A39	Circuit Breaker Test Button Post
1900-A44	Valve Test Button Guide Plate Post
1900-A46	Valve Test Button Guide Plate
1900-A48	Cooling Test Support Post
1900-A60	Valve Test Button Brush
1900-K1	Cooling Test Base
1900-K5	Cooling Test Bus Bar
1901-A61	Relay Cushion Anchor Stud
1901-A62	Air Conditioning Control Switch Post
1901-A63	Emergency Valve Switch Post
1901-A64	Terminal
1901-A65	Terminal Plate
1901-A66	Fan Switch Support Post
1901-A67	Switch Contact Post
1901-A68	Switch Contact Stud
1901-A73	Resistor Anchor Stud
1901-A74	Resistor, 250 Ohm
1901-A75	Resistance Mounting Post
1901-A76	Speed Control Test Post



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PART No.	DESCRIPTION
1901-A77	Test Post Insulator
1901-A78	Cooling Test Post
1901-A80	Resistance Anchor Bracket
1901-A81	Field Discharge Spring Clip
1901-A89	Terminal Lug
1901-A90	Felt Washer
1901-A91	Resistor, 600 Ohm
1901-A93	Resistor, 3,000 Ohm
1901-A94	Resistor, 1,200 Ohm
1901-A95	Resistor, 5,000 Ohm
 7000-DD	Relay Contact Post with Contact
7000-EE	Relay Contact Bracket with Contact
 7100-D1	Switch Knob and Screw
7100-DD1	Switch Contacts, Set of 4
 10690	Binding Post Knob
10795	Indicating Plate Bracket
10796	Indicating Plate Bracket
10799	Cover Support Post
10800	Cover Support Post Knob





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1900-A4



1900-A5



1900-A8



1900-A9



1900-A10



1900-A11



1900-A20



1900-A28



1900-A32



1900-A34



1900-A37



1900-A39



1900-A44



1900-A46



1900-A60



1901-A61



1901-A62



1901-A63



1901-A64



1901-A65



1901-A66



1901-A67



1901-A68



1901-A73



1901-A74

1901-A93

1901-A94

1901-A95



1901-A75



1901-A76



1901-A77



1901-A78



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SECTION 4-A

- REPLACEMENT PARTS
 - DIRECT CURRENT RELAYS
- 1900 SERIES**



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REPLACEMENT PARTS FOR 1900 SERIES RELAYS

Relays listed on this page are obsolete and have been replaced by **7000** series (see Section 4-B) but replacement parts are available.

DESCRIPTION	AMT.	No. 1900-BB RELAY	AMT.	No. 1900-CC RELAY	AMT.	No. 1900-FF RELAY	AMT.	No. 1900-MM RELAY
RELAY FRAME COMPLETE.....	1	1900-AA	1	1900-AA	1	1900-AA	1	1900-AA
Frame.....	1	1770-4	1	1770-4	1	1770-4	1	1770-4
Mounting Plate.....	1	1900-B1	1	1900-B1	1	1900-B1	1	1900-B1
Spring Bracket.....	1	1770-14	1	1770-14	1	1770-14	1	1770-14
Armature Retainer Plate.....	1	1770-61	1	1770-61	1	1770-61	1	1770-61
Spring Bracket Anchor Screws.....	2	$\frac{3}{16}'' \times 6-32$ RH St						
COIL COMPLETE.....	1	7000-BB	1	7000-BB	1	7000-BB	1	7000-BB
Coil.....	1	1770-2	1	1770-2	1	1770-2	1	1770-2
Core.....	1	1770-28	1	1770-28	1	1770-28	1	1770-28
Anchor Screw.....	1	$\frac{3}{8}'' \times 8-32$ RH St						
Lock Washer.....	1	No. 8-Plain						
RELAY ARMATURE COMPLETE.....	1	1900-BB1	1	1900-BB1	1	1900-FF1	1	1900-MM1
Armature only.....	1	1770-6	1	1770-6	1	1770-6	1	1770-6
Contact Bar Holder.....	1	1770-64	1	1770-64	1	1770-64	1	1775-8
Contact Bar Complete.....	2	1770-167	2	1770-167	2	1770-167	3	1770-167
Separator Plate.....	1	1770-8	1	1770-8	1	1770-8	1	1770-8
Contact Spring.....	2	1770-68	2	1770-68	2	1770-68	3	1770-68
Washer.....	2	No. $6 \times \frac{3}{8}$ " OD	2	No. $6 \times \frac{3}{8}$ " OD	2	No. $6 \times \frac{3}{8}$ " OD	3	No. $6 \times \frac{3}{8}$ " OD
Cotter Pin.....	2	$\frac{3}{8} \times \frac{1}{16}$ " St	2	$\frac{3}{8} \times \frac{1}{16}$ " St	2	$\frac{3}{8} \times \frac{1}{16}$ " St	3	$\frac{3}{8} \times \frac{1}{16}$ " St
TENSION SPRING ASSEMBLY.....	1	7000-FF	1	7013-FF	1	7013-FF	1	7013-FF
Tension Spring.....	1	1770-19	1	7013-A5	1	7013-A5	1	7013-A5
Adjusting Screw.....	1	1770-18	1	1770-18	1	1770-18	1	1770-18
Adjusting Screw Nut.....	1	No. $8-32 \times \frac{3}{8}$ " St	1	No. $8-32 \times \frac{3}{8}$ " St	1	No. $8-32 \times \frac{3}{8}$ " St	1	No. $8-32 \times \frac{3}{8}$ " St
DESCRIPTION	AMT.	No. 1900-NN RELAY	AMT.	No. 1900-PP RELAY	AMT.	No. 1900-RR RELAY	AMT.	PART No.
RELAY FRAME COMPLETE.....	1	1900-AA	1	1900-AA	1	1900-AA	1	1900-AA
Frame.....	1	1770-4	1	1770-4	1	1770-4	1	1770-4
Mounting Plate.....	1	1900-B1	1	1900-B1	1	1900-B1	1	1900-B1
Spring Bracket.....	1	1770-14	1	1770-14	1	1770-14	1	1770-14
Armature Retainer Plate.....	1	1770-61	1	1770-61	1	1770-61	1	1770-61
Spring Bracket Anchor Screws.....	2	$\frac{3}{16}'' \times 6-32$ RH St						
COIL COMPLETE.....	1	7000-BB	1	7000-BB	1	7000-BB	1	7000-BB
Coil.....	1	1770-2	1	1770-2	1	1770-2	1	1770-2
Core.....	1	1770-28	1	1770-28	1	1770-28	1	1770-28
Anchor Screw.....	1	$\frac{3}{8}'' \times 8-32$ RH St						
Lock Washer.....	1	No. 8-Plain						
RELAY ARMATURE COMPLETE.....	1	1900-NN1	1	1900-PP1	1	1900-FF1	1	1900-FF1
Armature only.....	1	1770-6	1	1770-6	1	1770-6	1	1770-6
Contact Bar Holder.....	1	1774-8	1	1774-8	1	1770-64	1	1770-64
Contact Bar Complete.....	4	1770-167	5	1770-167	2	1770-167	2	1770-167
Separator Plate	1	1770-8	1	1770-8	1	1770-8	1	1770-8
Contact Spring.....	4	1770-68	5	1770-68	2	1770-68	2	1770-68
Washer.....	4	No. $6 \times \frac{3}{8}$ " OD	5	No. $6 \times \frac{3}{8}$ " OD	2	No. $6 \times \frac{3}{8}$ " OD	2	No. $6 \times \frac{3}{8}$ " OD
Cotter Pin.....	4	$\frac{3}{8} \times \frac{1}{16}$ " St	5	$\frac{3}{8} \times \frac{1}{16}$ " St	2	$\frac{3}{8} \times \frac{1}{16}$ " St	2	$\frac{3}{8} \times \frac{1}{16}$ " St
TENSION SPRING ASSEMBLY.....	1	7013-FF	1	7013-FF	1	7013-FF	1	7013-FF
Tension Spring.....	1	7013-A5	1	7013-A5	1	7013-A5	1	7013-A5
Adjusting Screw.....	1	1770-18	1	1770-18	1	1770-18	1	1770-18
Adjusting Screw Nut.....	1	No. $8-32 \times \frac{3}{8}$ " St	1	No. $8-32 \times \frac{3}{8}$ " St	1	No. $8-32 \times \frac{3}{8}$ " St	1	No. $8-32 \times \frac{3}{8}$ " St

Relays listed on this page use No. **1770-120** Contact Brackets and No. **1770-123** Contact posts.

NOTE—When ordering complete relays, contact brackets and contact post assemblies must be ordered separately (not included with relays). See Section 3.



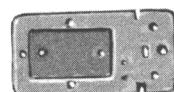
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1770-2



1770-4



1770-6



1770-14



1770-18



**1770-19
7013-A5**



1770-28



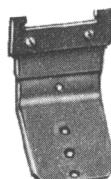
1770-61



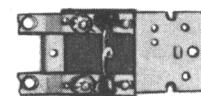
**1770-68
7000-C9**



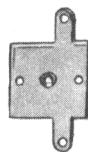
1770-167



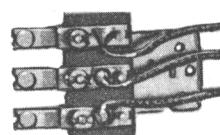
1900-AA



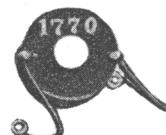
1900-BB1



1900-B1



1900-MM1



7000-BB



**7000-FF
7013-FF**



VAPOR CAR HEATING CO., Inc.



SECTION 4-B

- REPLACEMENT PARTS
- DIRECT CURRENT RELAYS
7000 SERIES



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS

DESCRIPTION	AMT.	No. 7000 RELAY PART No.
RELAY FRAME COMPLETE.....	1	7000-AA
Frame.....	1	1770-4
Mounting Plate.....	1	1900-B1
Spring Bracket.....	1	10779
Screw.....	2	$\frac{3}{16} \times 6-32$ RH St
COIL COMPLETE.....	1	7000-BB
Coil.....	1	1770-2
Core.....	1	1770-28
Anchor Screw.....	1	$\frac{3}{8} \times 8-32$ RH St
Lock Washer.....	1	No. 8 Plain
RELAY ARMATURE COMPLETE.....	1	7000-CC
Armature.....	1	10638
CONTACT BAR HOLDER ASSEMBLY.....	1	7000-CC6
CONTACT BAR ASSEMBLY.....	1	7000-CC5
Contact Bar Holder.....	1	7000-C5
Contact Bar Pin.....	1	7000-C8
Contact Bar Spring.....	2	10842
Contact Bar.....	1	7000-CC7
Contact Bar Anchor Screw.....	2	$\frac{3}{4} \times 6-32$ RH St
Insulator.....	2	7000-C2
Top Plate.....	1	7000-C3
Sleeve.....	1	7000-C4
Bottom Plate.....	1	7000-C10
TENSION SPRING ASSEMBLY.....	1	7000-FF
Tension Spring.....	1	10843
Adjusting Screw.....	1	1770-18
Adjusting Screw Nut.....	1	$8-32 \times \frac{3}{8}$ St
DESCRIPTION	AMT.	No. 7013 RELAY PART No.
RELAY FRAME COMPLETE.....	1	7000-AA
Frame.....	1	1770-4
Mounting Plate.....	1	1900-B1
Spring Bracket.....	1	10779
Screw.....	2	$\frac{3}{16} \times 6-32$ RH St
COIL COMPLETE.....	1	7051-BB
Coil.....	1	1780-2
Core.....	1	1780-28
Anchor Screw.....	1	$\frac{3}{8} \times 8-32$ RH St
Lock Washer.....	1	No. 8 Plain
RELAY ARMATURE COMPLETE.....	1	7013-CC
Armature.....	1	10639
CONTACT BAR HOLDER ASSEMBLY.....	1	7013-CC6
CONTACT BAR ASSEMBLY.....	3	7000-CC5
Contact Bar Holder.....	1	7000-C5
Contact Bar Pin.....	1	7000-C8
Contact Bar Spring.....	2	10842
Contact Bar.....	1	7000-CC7
Contact Bar Anchor Screw.....	4	$\frac{3}{4} \times 4-36$ RH St
Insulator.....	2	7012-C4
Top Plate.....	1	7013-C3
Sleeve.....		
Bottom Plate.....	1	7013-C10
CIRCUIT BREAKER ELEMENT COMPLETE.....		
Element Anchor Screw.....		
TENSION SPRING ASSEMBLY.....	1	7011-FF
Tension Spring.....	1	10778
Adjusting Screw.....	1	1770-18
Adjusting Screw Nut.....	1	$8-32 \times \frac{3}{8}$ St

Relays listed on this page use No. **7000-EE** Contact Brackets and No. **7000-DD** Contact Posts.



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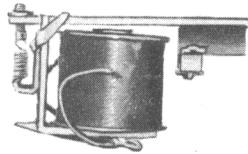
7000 SERIES RELAYS

No. 7005 RELAY		No. 7011 RELAY		No. 7012 RELAY	
AMT.	PART No.	AMT.	PART No.	AMT.	PART No.
1	7000-AA	1	7000-AA	1	7000-AA
1	1770-4	1	1770-4	1	1770-4
1	1900-B1	1	1900-B1	1	1900-B1
1	10779	1	10779	1	10779
2	3/16x6-32 RH St	2	3/16x6-32 RH St	2	3/16x6-32 RH St
1	7005-BB	1	7051-BB	1	7051-BB
1	7005-B1	1	1780-2	1	1780-2
1	1780-28	1	1780-28	1	1780-28
1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St
1	No. 8 Plain	1	No. 8 Plain	1	No. 8 Plain
1	7005-CC	1	7011-CC	1	7012-CC
1	10992	1	10639	1	10639
1	7005-CC6	1	7011-CC6	1	7012-CC6
1	7000-CC5	1	7000-CC5	2	7000-CC5
1	7000-C5	1	7000-C5	1	7000-C5
1	7000-C8	1	7000-C8	1	7000-C8
2	10842	2	10842	2	10842
1	7000-CC7	1	7000-CC7	1	7000-CC7
2	3/4x4-36 RH St	4	3/4x4-36 RH St	4	3/4x4-36 RH St
2	7000-C2	2	10729	2	7012-C4
1	7000-C3	1	10704	1	7013-C3
1	7000-C10	1	10705	1	7013-C10
1	7000-FF	1	7011-FF	1	7011-FF
1	10843	1	10778	1	10778
1	1770-18	1	1775-18	1	1770-18
1	8-32x3/8" St	1	8-32x3/8" St	1	8-32x3/8" St
No. 7014 RELAY		No. 7015 RELAY		No. 7020 CIRCUIT BREAKER RELAY	
AMT.	PART No.	AMT.	PART No.	AMT.	PART No.
1	7000-AA	1	7000-AA	1	7000-AA
1	1770-4	1	1770-4	1	1770-4
1	1900-B1	1	1900-B1	1	1900-B1
1	10779	1	10779	1	10779
2	3/16x6-32 RH St	2	3/16x6-32 RH St	2	3/16x6-32 RH St
1	7051-BB	1	7051-BB	1	7000-BB
1	1780-2	1	1780-2	1	1770-2
1	1780-28	1	1780-28	1	1770-28
1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St
1	No. 8 Plain	1	No. 8 Plain	1	No. 8 Plain
1	7014-CC	1	7015-CC	1	7020-CC
1	10639	1	10639	1	10638
1	7014-CC6	1	7015-CC6	1	7000-CC6
4	7000-CC5	5	7000-CC5	1	7000-CC5
1	7000-C5	1	7000-C5	1	7000-C5
1	7000-C8	1	7000-C8	1	7000-C8
2	10842	2	10842	2	10842
1	7000-CC7	1	7000-CC7	1	7000-CC7
6	3/4x4-36 RH St	6	3/4x4-36 RH St	2	3/4x4-36 RH St
2	7014-C4	2	7014-C4	2	7000-C2
1	7014-C3	1	7014-C3	1	7000-C3
1	7014-C10	1	7014-C10	1	7000-C10
				1	7020-DD
				2	3/4x4-36 RH St
1	7011-FF	1	7011-FF	1	7000-FF
1	10778	1	10778	1	10843
1	1770-18	1	1770-18	1	1770-18
1	8-32x3/8" St	1	8-32x3/8" St	1	8-32x3/8" St

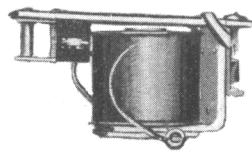
NOTE—When Ordering complete relays, contact brackets and contact posts must be ordered separately (not included with relays). See Section 3.



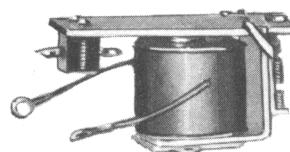
VAPOR CAR HEATING CO., Inc.



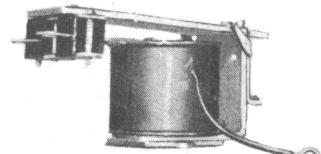
7000 RELAY



7000-7005 RELAY

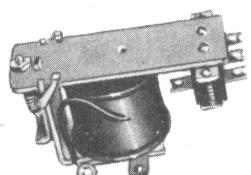


7011 RELAY

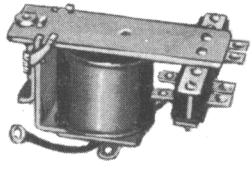


7012 RELAY

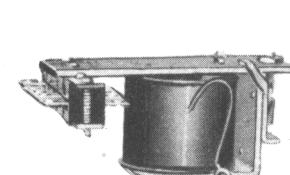
OLD STYLE CONTACTS NEW STYLE CONTACTS



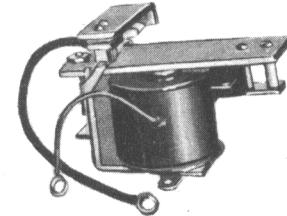
7013 RELAY



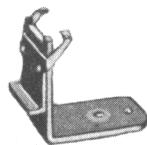
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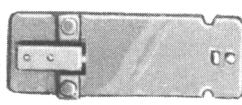
7015



**7020 CIRCUIT
BREAKER RELAY**



7000-AA



7000-CC



7000-C2



7000-C3



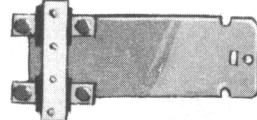
7000-C4



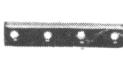
7000-C5



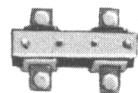
7000-CC6 **7000-CC7** **7000-C8** **7000-C10** **1901-D15**
7005-CC6



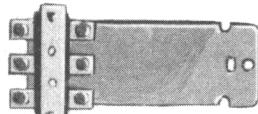
7012-CC



7012-C4



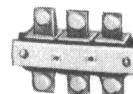
7012-CC6



7013-CC



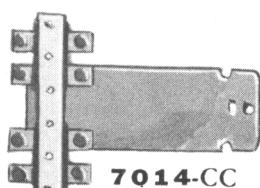
7013-C3



7013-CC6



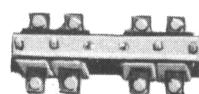
7013-C10



7014-CC



7014-C3



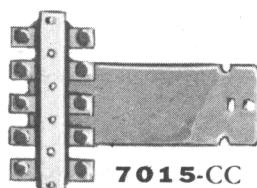
7014-C4



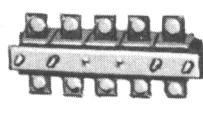
7014-CC6



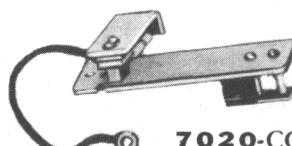
7014-C10



7015-CC



7015-CC6



7020-CC



7020-DD



10639



VAPOR CAR HEATING CO., Inc.



SECTION 4-C

- REPLACEMENT PARTS
- DIRECT CURRENT PILOT RELAYS



VAPOR CAR HEATING CO., Inc.

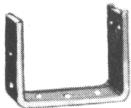


REPLACEMENT PARTS—PILOT RELAYS

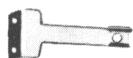
DESCRIPTION		No. 1900-GG RELAY		No. 1900-WW RELAY		No. 1901-GG RELAY		No. 1901-WW RELAY	
	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	
RELAY FRAME COMPLETE.....	1	7025-AA	1	7026-AA	1	7025-AA	1	7026-AA	
Frame.....	1	1700-D3	1	1700-D3	1	1700-D3	1	1700-D3	
Armature.....	1	7025-AA2	1	7025-AA2	1	7025-AA2	1	7025-AA2	
Spring.....	1	1700-D9	1	1700-D9	1	1700-D9	1	1700-D9	
Anchor Plate.....	1	1700-D5	1	1700-D5	1	1700-D5	1	1700-D5	
OFF Contact Bracket.....	1	7025-AA5	1	7026-AA5	1	7025-AA5	1	7026-AA5	
ON Contact Bracket and Contact.....	1	7025-AA6	1	7025-AA6	1	7025-AA6	1	7025-AA6	
ON Contact Bracket Insulator.....	3	1700-D16	3	1700-D16	3	1700-D16	3	1700-D16	
ON Contact Bracket Bushing.....	2	1700-D17	2	1700-D17	2	1700-D17	2	1700-D17	
Anchor Plate.....	1	1700-D18	1	1700-D18	1	1700-D18	1	1700-D18	
Anchor Screw.....	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	
Adjusting Screw.....	1	1700-D26	1	1700-D26	1	1700-D26	1	1700-D26	
Contact Lead.....	2	1900-B22	2	1900-B22	2	1900-B22	2	1900-B22	
MOUNTING BASE.....	1	1900-B1	1	1900-B1	1	1901-W1	1	1901-W1	
Mounting Base Screw.....	2	1/4x8-32 BH St	2	1/4x8-32 BH St	2	1/4x8-32 BH St	2	1/4x8-32 BH St	
RELAY COIL COMPLETE.....	1	7025-BB	1	7026-BB	1	7025-BB	1	7026-BB	
Coil.....	1	1762	1	1762	1	1762	1	1762	
Core.....	1	1700-D21	1	1700-D21	1	1700-D21	1	1700-D21	
Screw.....	1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St	
Lock Washer.....	1	No. 8-1	1	No. 8-1	1	No. 8-1	1	No. 8-1	
DESCRIPTION		No. 7025 RELAY		No. 7026 RELAY		No. A-7026 RELAY		No. B-7026 RELAY	
	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	
RELAY FRAME COMPLETE.....	1	7025-AA	1	7026-AA	1	7026-AA	1	7026-AA	
Frame.....	1	1700-D3	1	1700-D3	1	1700-D3	1	1700-D3	
Armature.....	1	7025-AA2	1	7025-AA2	1	7025-AA2	1	7025-AA2	
Spring.....	1	1700-D9	1	1700-D9	1	1700-D9	1	1700-D9	
Anchor Plate.....	1	1700-D5	1	1700-D5	1	1700-D5	1	1700-D5	
OFF Contact Bracket.....	1	7025-AA5	1	7026-AA5	1	7026-AA5	1	7026-AA5	
ON Contact Bracket and Contact.....	1	7025-AA6	1	7025-AA6	1	7025-AA6	1	7025-AA6	
ON Contact Bracket Insulator.....	3	1700-D16	3	1700-D16	3	1700-D16	3	1700-D16	
ON Contact Bracket Bushing.....	2	1700-D17	2	1700-D17	2	1700-D17	2	1700-D17	
Anchor Plate.....	1	1700-D18	1	1700-D18	1	1700-D18	1	1700-D18	
Anchor Screw.....	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	
Adjusting Screw.....	1	1700-D26	1	1700-D26	1	1700-D26	1	1700-D26	
Contact Lead.....	2	1900-B22	2	1900-B22	2	1900-B22	3	1900-B22	
MOUNTING BASE.....	1	1901-W1	1	1901-W1	1	1901-W1	1	1901-W1	
Mounting Base Screw.....	2	1/4x8-32 BH St	2	1/4x8-32 BH St	2	1/4x8-32 BH St	2	1/4x8-32 BH St	
RELAY COIL COMPLETE.....	1	7025-BB	1	7026-BB	1	7026-BB	1	7025-BB	
Coil.....	1	1762	1	1762	1	1762	1	1762	
Core.....	1	1700-D21	1	1700-D21	1	1700-D21	1	1700-D21	
Screw.....	1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St	
Lock Washer.....	1	No. 8-1	1	No. 8-1	1	No. 8-1	1	No. 8-1	
DESCRIPTION		No. D-7026 RELAY AND No. C-7026 RELAY		No. 7028 RELAY		No. C-7028 RELAY		No. 7029 RELAY	
	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	
RELAY FRAME COMPLETE.....	1	7026-AA	1	7028-AA	1	C-7028-AA	1	7029-AA	
Frame.....	1	1700-D3	1	1700-D3	1	1700-D3	1	1700-D3	
Armature Complete.....	1	7025-AA2	1	7028-CC	1	C-7028-CC	1	7029-CC	
Spring.....	1	1700-D9	1	1700-D9	1	1700-D9	1	1700-D9	
Anchor Plate.....	1	1700-D5	1	1700-D5	1	1700-D5	1	1700-D5	
OFF Contact Bracket.....	1	7026-AA	1	7025-AA6	1	7029-AA6	1	7029-AA6	
ON Contact Bracket and Contact.....	1	7025-AA6	1	10668	1	10668	1	10668	
Relay Armature Stop.....									
AUXILIARY ADJUSTABLE CONTACT ASSEMBLY.....									
Auxiliary Contact Bracket.....									
Auxiliary Adjustable Contact Point.....									
Locknut.....									
Bracket Insulator.....	1	1700-D16	3	1700-D16	1	1700-D16	1	1700-D16	
Bracket Insulator.....	1	11000			1	11000	1	11000	
Bracket Insulator.....	1	11009			1	11009	1	11009	
ON Contact Bracket Bushing.....	2	1700-D17	2	1700-D17	2	1700-D17	2	10789	
Anchor Plate.....	1	1700-D18	1	1700-D18	1	1700-D18	1	1700-D18	
Anchor Screw.....	2	3/8x6-23 RH Br	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	2	3/8x6-32 RH Br	
Adjusting Screw.....	1	1700-D26	1	1700-D26	1	1700-D26	1	1700-D26	
Contact Lead.....	2	1900-B22	3	1900-B22	2	1900-B22	2	1900-B22	
MOUNTING BASE.....	1	1900-B1	1	1901-W1	1	1900-B1	1	1900-B1	
Mounting Base Screw.....	2	1/4x8-32 BH St	2	1/4x8-32 BH St	1	1900-B1	1	1900-B1	
RELAY COIL COMPLETE.....	1	7026-BB	1	7025-BB	1	7025-BB	1	7025-BB	
Coil.....	1	1726-B1	1	1762	1	1762	1	1762	
Core.....	1	1700-D21	1	1700-D21	1	1700-D21	1	1700-D21	
Screw.....	1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St	1	3/8x8-32 RH St	
Lock Washer.....	1	No. 8-Plain	1	No. 8-Plain	1	No. 8-Plain	1	No. 8-Plain	



VAPOR CAR HEATING CO., Inc.



1700-D3



1700-D9



1700-D16



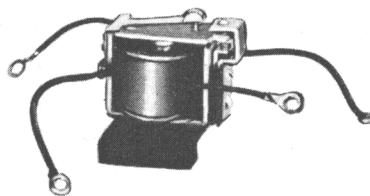
1700-D21 1700-D26 1700-EE14



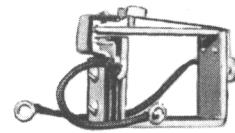
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1901-W1



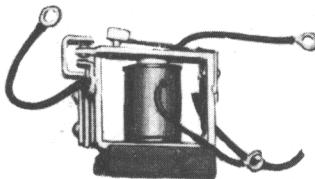
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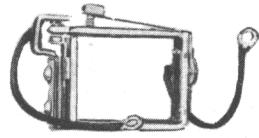
7025-AA



7025-AA6



7026



7026-AA



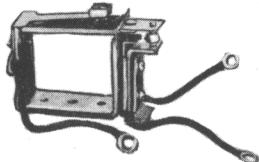
7026-AA5



7026-B1



7028



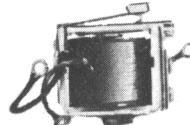
7028-AA



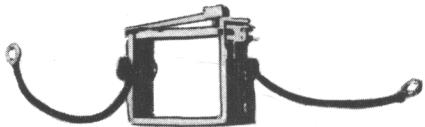
7028-AA2



7028-DD



7029



7029-AA



7029-AA



10668



10700



10701



10766



VAPOR CAR HEATING CO., Inc.



SECTION 4-D

- REPLACEMENT PARTS
 - RELAYS
 - D. C. HEAVY DUTY
-

REPLACEMENT PARTS—DIRECT CURRENT RELAYS
HEAVY DUTY

DESCRIPTION	AMT.	No. 7051 RELAY PART No.
RELAY FRAME COMPLETE.....	1	7000-AA
Frame.....	1	1770-4
Mounting Plate.....	1	1900-B1
Spring Bracket.....	1	10779
COIL COMPLETE.....	1	7051-BB
Coil.....	1	1780-2
Core.....	1	1780-28
Anchor Screw.....	1	3/8x8-32 RH St
Lock Washer.....	1	No. 8 Plain
RELAY ARMATURE COMPLETE.....	1	7051-DD
MAIN ARMATURE	1	7051-CC
Armature.....	1	10641
CONTACT BRUSH ASSEMBLY.....	1	7051-GG
Brush Holder	1	10660
Brush Assembly.....	1	7051-GG2
Tension Plate.....	1	10658
Guide Pin.....	1	10659
Spring.....	1	10675
Guide Pin Screw.....	1	1/4x6-32 BH St
Lock Washer.....	1	No. 6 Shakeproof
Contact Brush Assembly Screw.....	2	3/16x4-36 RH St
CARBON CONTACT EQUALIZER.....	1	1780-108
Equalizer.....	1	1780-8
Carbon Contact.....	2	1780-10
Carbon Contact Retainer.....	2	1780-11
Retainer Screw.....	2	3/8x4-36 RH St
Contact Equalizer Spring.....	1	1780-13
Contact Equalizer Spring Washer.....	1	1780-14
Cotter Pin.....	1	1/16x5/16 St
Washer.....	1	No. 10 Flat
TENSION SPRING ASSEMBLY.....	1	7000-FF
Tension Spring.....	1	10843
Adjusting Screw.....	1	1770-18
Adjusting Screw Nut.....	1	No. 8-32x3/8 St

This Relay uses No. **1780-126** Carbon Contact Assemblies and No. **1780-30** Copper Contacts.

NOTE—When ordering complete relays, carbon contact assemblies and copper contacts must be ordered separately if desired. They are not included with relays. See Section 3 for illustrations of these parts.



VAPOR CAR HEATING CO., Inc.



NOTE—The following parts are also used in other relays and are illustrated in the sections shown as follows:

1770-4—Section 4-A

1770-18—Section 4-A

1780-10—Section 3

1780-11—Section 3

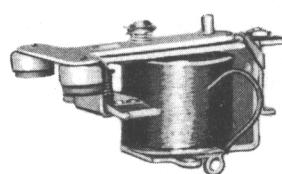
1900-B1—Section 4-A

1901-D15—Section 4-B

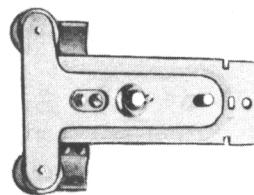
7000-AA—Section 4-B

7013-A5—Section 4-A

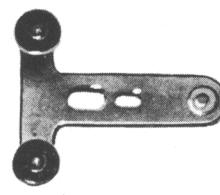
7013-FF—Section 4-A



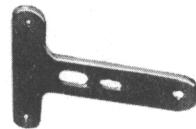
7051—RELAY



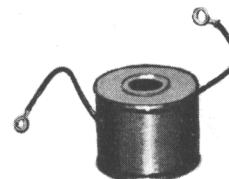
7051-DD



1780-108



1780-8



1780-2



1780-28



10641



7051-GG



7051-GG2



10660



10658



10659



10675



1780-13



1780-14



COTTER



VAPOR CAR HEATING CO., Inc.



SECTION 4-E

- REPLACEMENT PARTS
- A. C. RELAYS
- **7200, 7300 SERIES**



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—A. C. RELAYS 7200 SERIES

DESCRIPTION	AMT.	No. 7210 RELAY PART No.
RELAY FRAME COMPLETE.....	1	7200-AA
Frame.....	1	7200-A1
Shading Coil.....	1	10543
*RELAY COIL COMPLETE.....	1	7200-BB
RELAY ARMATURE COMPLETE	1	7200-CC
Armature Only.....	1	7200-C1
CONTACT BAR HOLDER ASSEMBLY.....	1	7210-CC6
CONTACT BAR ASSEMBLY.....	1	7210-CC5
Contact Bar Holder.....	1	7000-C5
Contact Bar Pin.....	1	7000-C8
Contact Bar Spring.....	2	7000-C9
Contact Bar.....	1	10553
Insulator.....	2	10729
Top Plate.....	1	10704
Bottom Plate.....	1	10705
Contact Bar Anchor Screw.....	2	3/4x4-36 RH St
TENSION SPRING ASSEMBLY.....	1	7210-FF
Tension Spring.....	1	7210-A5
Adjusting Screw.....	1	1770-18
Adjusting Screw Nut.....	1	No. 8-32x3/8 St
MISCELLANEOUS ASSEMBLY PARTS:		
Spring Bracket.....	1	10554
Armature Bearing Pin.....	1	10575
Armature Bearing Pin Nut.....	1	No. 6-32x1/4 St

NOTE—When ordering complete relays, contact posts must be ordered separately, if desired. They are not included with relays.

*NOTE—Please state VOLTAGE or RESISTANCE when ordering coils or complete relays.



VAPOR CAR HEATING CO., Inc.



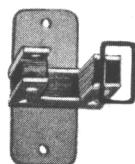
REPLACEMENT PARTS—A. C. RELAYS

7300 SERIES

DESCRIPTION	AMT.	No. 7320 RELAY PART No.	AMT.	No. 7330 RELAY PART No.	AMT.	No. 7340 RELAY PART No.	AMT.	No. 7350 RELAY PART No.
RELAY FRAME COMPLETE.....	1	7300-AA	1	7300-AA	1	7300-AA	1	7300-AA
Frame.....	1	7300-A1	1	7300-A1	1	7300-A1	1	7300-A1
Shading Coil.....	1	10543	1	10543	1	10543	1	10543
COIL COMPLETE.....	1	7300-BB	1	7300-BB	1	7300-BB	1	7300-BB
RELAY ARMATURE COMPLETE.....	1	7320-CC	1	7330-CC	1	7340-CC	1	7350-CC
Armature only.....	1	7300-C1	1	7300-C1	1	7300-C1	1	7300-C1
CONTACT BAR HOLDER ASSEMBLY.....	1	7320-CC6	1	7330-CC6	1	7340-CC6	1	7350-CC6
CONTACT BAR ASSEMBLY.....	2	7210-CC5	3	7210-CC5	4	7210-CC5	5	7210-CC5
Contact Bar Holder.....	1	7000-C5	1	7000-C5	1	7000-C5	1	7000-C5
Contact Bar Pin.....	1	7000-C8	1	7000-C8	1	7000-C8	1	7000-C8
Contact Bar Spring.....	2	7000-C9	2	7000-C9	2	7000-C9	2	7000-C9
Contact Bar.....	1	10553	1	10553	1	10553	1	10553
Insulator.....	2	7013-C4	2	7013-C4	2	7014-C4	2	7014-C4
Top Plate.....	1	7013-C3	1	7013-C3	1	7014-C3	1	7014-C3
Bottom Plate.....	1	7013-C10	1	7013-C10	1	7014-C10	1	7014-C10
Contact Bar Anchor Screw.....	4	3/4x4-36 RH St	4	3/4x4-36 RH St	6	3/4x4-36 RH St	6	3/4x4-36 RH St
TENSION SPRING ASSEMBLY.....	1	7320-FF	1	7320-FF	1	7340-FF	1	7340-FF
Tension Spring.....	1	10709	1	10709	1	10710	1	10710
Adjusting Screw.....	1	1770-18	1	1770-18	1	1770-18	1	1770-18
Adjusting Screw Nut.....	1	8-32x3/8" St						
MISCELLANEOUS ASSEMBLY PARTS:								
Spring Bracket.....	1	10542	1	10542	1	10542	1	10542
Armature Bearing Pin.....	1	10544	1	10544	1	10544	1	10544
Armature Bearing Pin Nut.....	1	6-32x1/4" St						
CONTACT POST ASSEMBLY.....	2	7000-DD	3	7000-DD	4	7000-DD	5	7000-DD
CONTACT BRACKET ASSEMBLY.....	2	7000-EE						



VAPOR CAR HEATING CO., Inc.



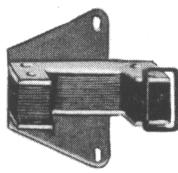
7200-AA



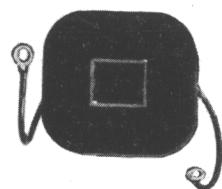
7200-BB



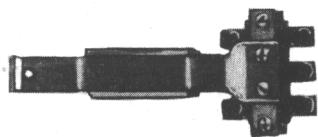
7200-CC



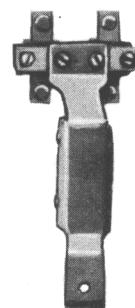
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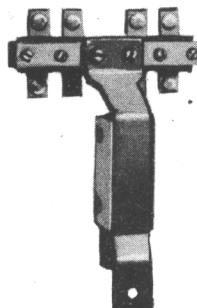
7300-BB



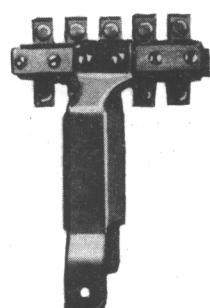
7330-CC



7320-CC



7340-CC



7350-CC



10554



10542



7210-A5



10575



10709



10544



VAPOR CAR HEATING CO., Inc.



CATALOG 53

SECTION 4-F

- REPLACEMENT PARTS
- MIDGET RELAYS

NEW SECTION

MAY, 1937



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS
MIDGET RELAYS

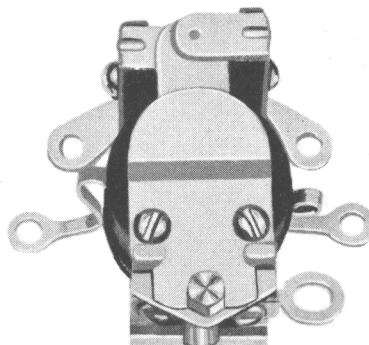
DESCRIPTION	AMT.	A-8025 PART NO.
RELAY FRAME ASSEMBLY.....	1	A-8025-AA
Relay Frame.....	1	A-8025-A-1
Spring Bracket.....	1	8025-A-2
Frame Terminal.....	1	11959
Bracket Screw.....	2	4-36x1/8" RH
COIL COMPLETE (Specify Voltage).....	1	A-8025-BB
Coil (Specify Voltage).....	1	A-8025-B-1
Coil Core and Shader.....	1	8025-BB-2
Core Screw.....	1	4-36x1/4" FH
ARMATURE ASSEMBLY.....	1	8025-CC
Armature.....	1	8025-C-1
Contact Leaf Assembly.....	1	8025-CC-2
Leaf Guard.....	1	8025-C-3
Leaf Guard Screw.....	2	4-36x1/8" RH
CONTACT BLOCK ASSEMBLY.....	1	A-8025-DD
Contact Block.....	1	8025-D-1
Inside Contact Bracket Assembly.....	1	A-8025-DD-2
Outside Contact Bracket Assembly.....	1	A-8025-DD-3
Contact Bracket Screw.....	2	6-32x3/16" RH
Contact Block Anchor Screw.....	1	6-32x1/4" BH
TENSION SPRING ASSEMBLY COMPLETE.....	1	8025-EE
TENSION SPRING AND NUT.....	1	8025-EE-1
Adjusting Screw.....	1	8025-E-3
Glass Relay Cover.....	1	11944
Cover Mounting Gasket.....	1	12090
Cover Mounting Ring.....	1	12010



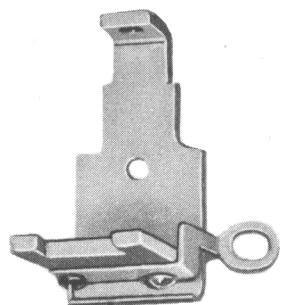
VAPOR CAR HEATING CO., Inc.



11944



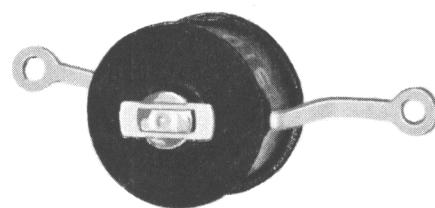
A-8025



A-8025-AA



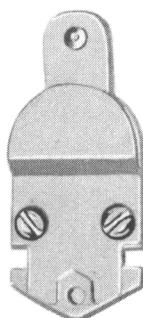
12010



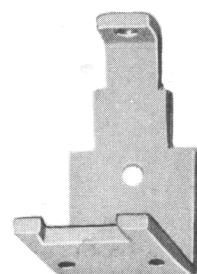
A-8025-BB



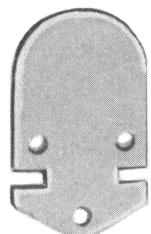
8025-BB-2



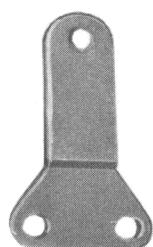
8025-CC



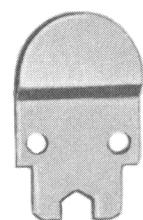
A-8025-A-1



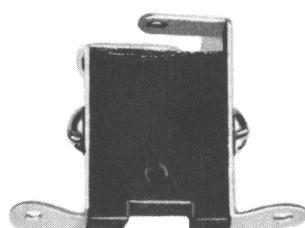
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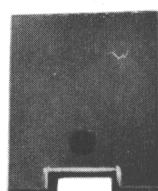
8025-CC-2



8025-C-3



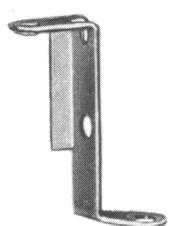
A-8025-DD



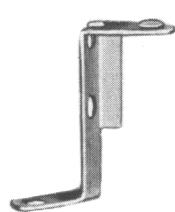
8025-D-1



11959



A-8025-DD-3



A-8025-DD-2



8025-A-2



8025-EE



8025-E-3



8025-EE-1



VAPOR CAR HEATING CO., Inc.



CATALOG 53

SECTION 4-G

- RELAYS
- D. C. SOLENOID TYPES

NEW SECTION

MAY, 1937



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—RELAYS

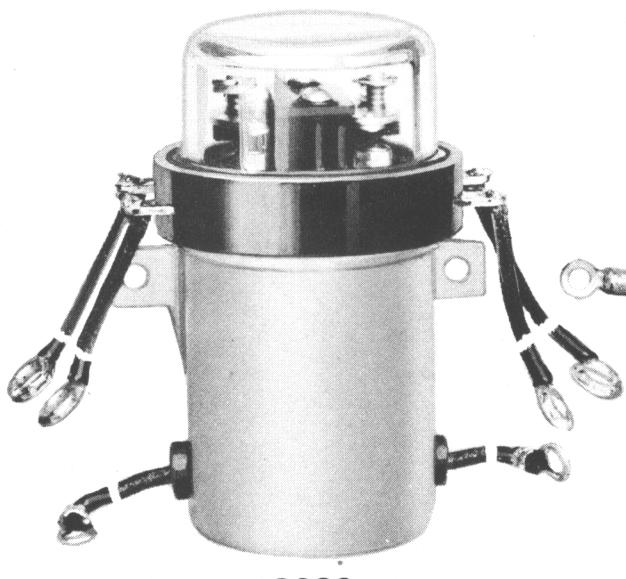
D. C. SOLENOID TYPES

DESCRIPTION	AMT.	8029	AMT.	8030	AMT.	8031
		PART No.		PART No.		PART No.
COIL HOUSING ASSEMBLY.....	1	8029-DD	1	8029-DD	1	8029-DD
(Specify Voltage)						
Mounting Bracket.....	1	11919	1	11919	1	11919
Mounting Bracket Screw.....	1	6-32x $\frac{1}{4}$ " RH	1	6-32x $\frac{1}{4}$ " RH	1	6-32x $\frac{1}{4}$ " RH
CONTACT BASE ASSEMBLY.....	1	8029-GG	1	8030-GG	1	8031-GG
Contact Base.....	1	30899	1	30899	1	30899
Contact Post and Contact.....	4	8029-AA	2	8029-AA		
Contact Bracket and Contact.....			1	8030-EE	2	8030-EE
Contact Bracket and Contact.....			1	8030-FF	2	8030-FF
Contact Lead.....	4	1900-B22	4	1900-B22	4	1900-B22
CORE & MOVABLE CONTACT ASSM.	1	8029-HH	1	8030-HH	1	8031-HH
Core and Carrier Arm.....	1	8029-JJ	1	8030-JJ	1	8031-JJ
Contact Bar and Contacts.....	2	8029-BB	2	8029-BB	2	8029-BB
Contact Bar Spring.....	2	11994	2	11994	2	11994
Contact Bar Spring Washer.....	2	11995	2	11995	2	11995
Bridge Post Pin.....	2	Copper Wire	2	Copper Wire	2	Copper Wire
Lift Spring.....	1	11998	1	11998	1	11998
Spacer Bar.....	1	11987	1	11987	1	11987
Base Mounting Screw.....	2	4-36x $\frac{15}{16}$ " RH	2	4-36x $\frac{15}{16}$ " RH	2	4-36x $\frac{15}{16}$ " RH
Base Mounting Screw Lockwasher....	2	No. 4 Shakeproof	2	No. 4 Shakeproof	2	No. 4 Shakeproof
Base Seal Gasket.....	1	12216	1	12216	1	12216
Glass Cover.....	1	11914	1	11914	1	11914

NOTE: Glass cover is sealed into the base with litharge and glycerine compound.



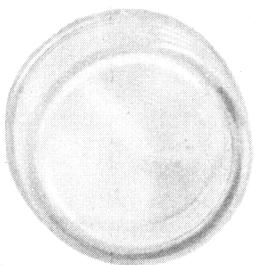
VAPOR CAR HEATING CO., Inc.



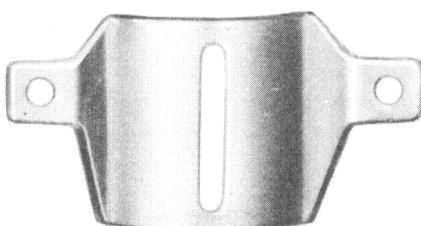
8029



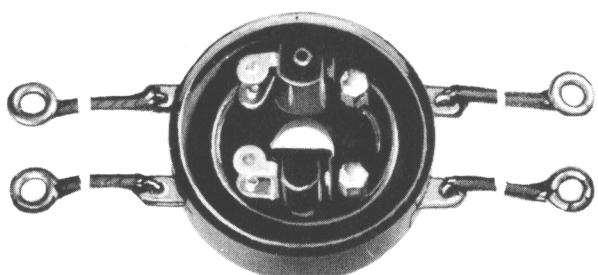
8029-DD



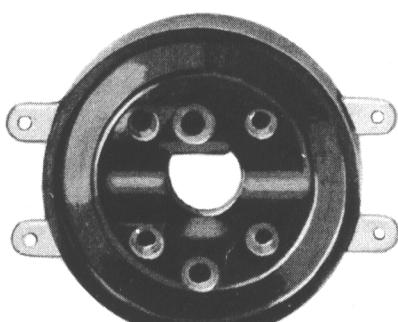
11914



11919

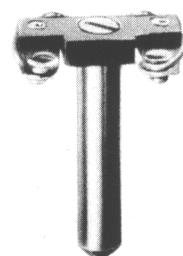


8030-GG

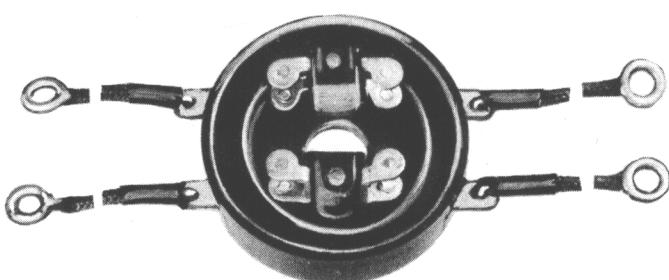


30899

8030-HH



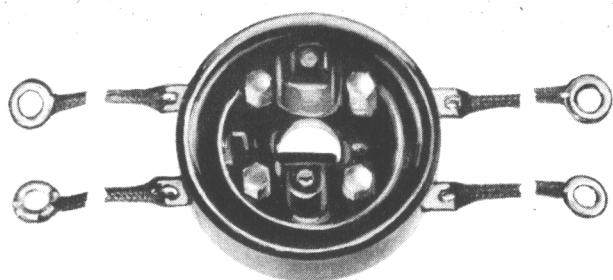
8031-HH



8031-GG



8029-BB



8029-GG



8029-AA



8030-FF



11994



11998



11987



8030-EE



VAPOR CAR HEATING CO., Inc.

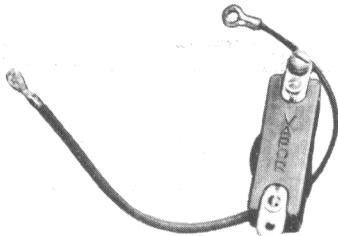


SECTION 5

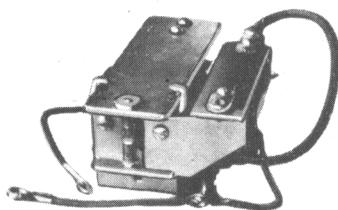
- THERMAL OVERLOAD CONTACTORS



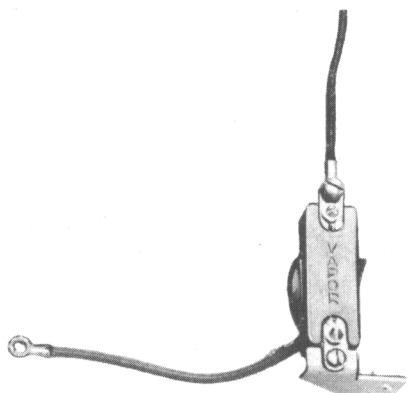
VAPOR CAR HEATING C.O., Inc.



7040



**7040—MOUNTED
ON 7005 RELAY**



**7040—With 10692
MOUNTING BRACKET**

The **7040** Thermal Overload Contactor is a device which can be adjusted only at the factory, where special adjusting apparatus is used. If for any reason one should need adjustment it should be returned to the factory, as adjustments made outside the factory will not give satisfactory results.

No replacement parts are sold.



VAPOR CAR HEATING CO., Inc.

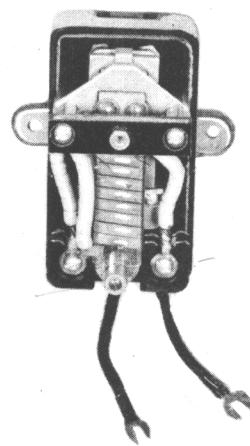


Supplement to Section 5, Catalog 53

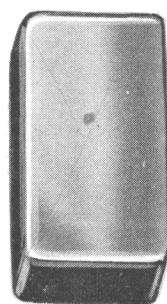
April, 1937

REPLACEMENT PARTS — No. 7041 THERMAL CONTACTOR

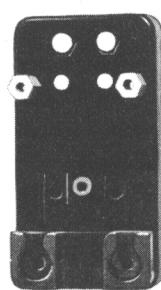
DESCRIPTION	AMT.	PART No.	DESCRIPTION	AMT.	PART No.
THERMAL CONTACTOR BASE (With 2 No. 11187 Posts).....	1	30605	Cover Anchor Post.....	2	11189
Pole Piece.....	1	11184	COVER ANCHOR POST INSULATOR (With 1 No. 11308 Stud).....	1	11309
CONTACT POST & CONTACT.....	1	11212	Insulator Screw.....	2	4-36x $\frac{3}{8}$ " RH
CONTACT POST & CONTACT.....	1	11213	Cover.....	1	11204
Contact Post Screw.....	2	4-36x $\frac{3}{16}$ " RH	Cover Screw.....	1	4-36x $\frac{3}{16}$ " RH
Contact Post Lockwasher.....	2	No. 4 Shakeproof	ARMATURE ASSEMBLY.....	1	11211
Spring Bracket Bearing.....	1	11185	Armature Screw.....	1	4-36x $\frac{1}{4}$ " BH
Spring Bracket Bearing Screw.....	2	4-36x $\frac{5}{8}$ " RH	Armature Lockwasher.....	1	No. 4 Shakeproof
Spring Bracket Bearing Lockwasher.....	2	No. 4 Shakeproof	SWITCH SPRING ASSEMBLY.....	1	11210
Mounting Block.....	1	11310	ACTUATOR ASSEMBLY		
Mounting Block Bracket.....	1	11311	(Specify Voltage).....	1	11209
Mounting Block Bracket Screw.....	1	6-32x $\frac{3}{8}$ " FH	Adjustment Screw.....	1	11193
Holding Magnet.....	1	11183	Support Plate.....	1	11188
Terminal Screw.....	2	4-36x $\frac{11}{16}$ " RH	Compression Plate.....	1	11190
Terminal Screw Nut.....	2	4-36x $\frac{1}{4}$ "	Compression Plate Screw.....	2	4-36x $\frac{3}{16}$ " RH
Connector Stud Screw.....	1	4-36x $\frac{1}{4}$ " RH	Compression Plate Lockwasher.....	2	No. 4 Shakeproof
Connector Stud Lockwasher.....	3	No. 4 Shakeproof	Lead.....	2	11158
Buss Bar.....	1	11202			
Buss Bar.....	1	11203			



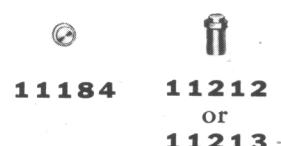
7041
Less Cover



30605



11204



11212
or
11213



11185



11310



11311



11183



11309



11211

11210



11188



11190



11751



11209



11187



11193



11158



11372



VAPOR CAR HEATING CO., Inc.



SECTION 6-A

- REPLACEMENT PARTS
- CONTROL SWITCHES



VAPOR CAR HEATING CO., Inc.



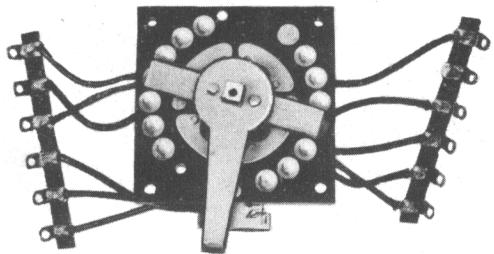
REPLACEMENT PARTS—CONTROL SWITCHES 7100 SERIES

	No. 7100-6		No. 7100-7		No. 7100-8		No. 7100-8-PR
AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.
SWITCH ASSEMBLY.....1	7100-6AA	1	7100-7AA	1	7100-8AA	1	7100-8-PR-AA
SWITCH BASE ASSEMBLY...1	7100-6BB	1	7100-7BB	1	7100-8BB	1	7100-8-PR-BB
Bearing Bushing.....1	1901-S7	1	1901-S7	1	1901-S7	1	1901-S7
Bearing Bushing Nut.....1	1901-S8	1	1901-S8	1	1901-S8	1	1901-S8
Contact Lead Assembly....1	10684	1	10617	1	10617	1	10617
Contact Lead Assembly....1	10685	1	10619	1	10618	1	10618
SWITCH BRUSH ASSEMBLY..1	7100-CC	1	7100-CC	1	7100-CC	1	7100-CC
BEARING POST.....1	1901-S11	1	1901-S11	1	1901-S11	1	1901-S11
Bearing Post Nut.....1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St
Bearing Post Washer.....1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br
SEASONAL AND FAN SWITCH MECHANISM.....1	7100-DD	1	7100-DD	1	7100-DD	1	7100-DD
	No. 7101-3		No. 7101-3M		No. 7101-3S		No. 7101-4
AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	PART No.
SWITCH ASSEMBLY.....1	7101-3AA	1	7101-3M-AA	1	7101-3S-AA	1	7101-4AA
SWITCH BASE ASSEMBLY...1	7101-3BB	1	7101-3M-BB	1	7101-3S-BB	1	7101-4BB
Bearing Bushing.....1	1901-S7	1	1901-S7	1	1901-S7	1	1901-S7
Bearing Bushing Nut.....1	1901-S8	1	1901-S8	1	1901-S8	1	1901-S8
Contact Lead Assembly....3	1900-E22	1	10624	1	10624	1	10625
SWITCH BRUSH ASSEMBLY..1	7101-3CC	1	7101-3CC	1	7101-3CC	1	7101-4CC
BEARING POST.....1	1901-S11	1	1901-S11	1	1901-S11	1	1901-S11
Bearing Post Nut.....1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St
Bearing Post Washer.....1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br
SEASONAL AND FAN SWITCH Mechanism.....1	7100-DD	1	7100-DD	1	7100-DD	1	7100-DD
	No. 7105		No. 7123		No. 7124		No.A-7124
AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	PART. No.
SWITCH BASE ASSEMBLY.....1	7105-BB	1	7123-BB	1	7124-BB	1	A-7124-BB
Switch Base.....1	7105-B1						
Bearing Bushing.....1	1901-S7	1	1840-2	1	1840-2	1	1840-2
Bearing Bushing Nut.....1	1901-S8						
Contact Lead Assembly....1	7105-L3	1	10633	1	10635	1	A-7124-L
Contact Lead Assembly....1	7105-L4						
SWITCH BRUSH ASSEMBLY....1	1700-CC20	1	1800-CC7	1	1800-CC7	1	1800-CC7
BEARING POST.....1	1901-S11	1	1840-7	1	1840-7	1	1840-7
Bearing Post Nut.....1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St
Bearing Post Washer.....1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br
Auxiliary Bushing.....		1	1840-26	1	1840-26	1	1840-26
	No. 7127-6		No. 7127-7		No. 7132		
AMT.	PART No.	AMT.	PART No.	AMT.	PART No.	AMT.	
SWITCH BASE ASSEMBLY.....1	7127-6BB	1	7127-7BB	1	7132-BB		
Switch base.....				1	7132-B1		
Bearing Bushing.....1	1901-S7	1	1901-S7	1	1901-S7		
Bearing Bushing Nut.....1	1901-S8	1	1901-S8	1	1901-S8		
Contact Lead Assembly....1	10612	1	10612	3	1770-25 Terminal Connector		
Contact Lead Assembly....1	10613	1	10613				
Contact Lead Assembly....1	10615	1	10614				
SWITCH BRUSH ASSEMBLY....1	1700-CC20	1	1700-CC20	1	1700-CC20		
BEARING POST.....1	1901-S11	1	1901-S11	1	1901-S11		
Bearing Post Nut.....1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St	1	No. 8-32x ⁵ / ₁₆ St		
Bearing Post Washer.....1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br	1	No. 8x ³ / ₈ Br		

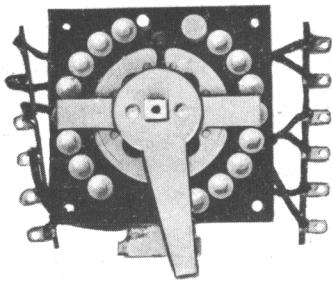
NOTE—When ordering complete switches, switch knob and indicating plate, brackets and screws must be ordered separately (not included with switches), see Section 3.



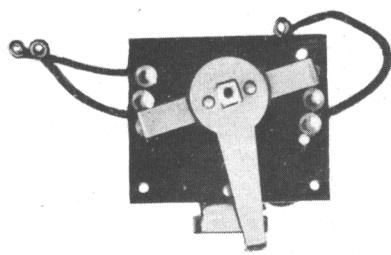
VAPOR CAR HEATING CO., Inc.



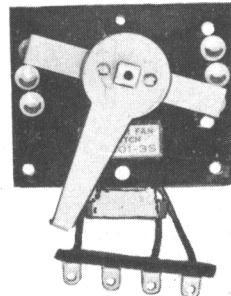
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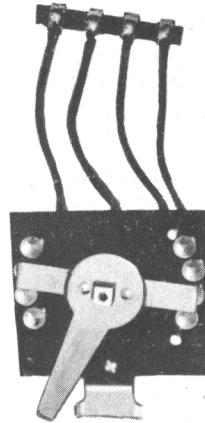
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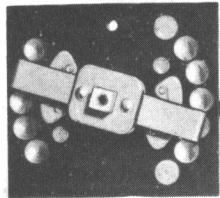
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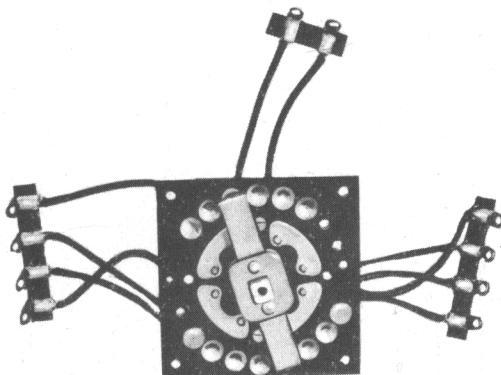
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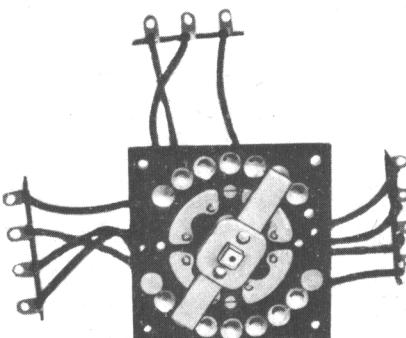
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7105



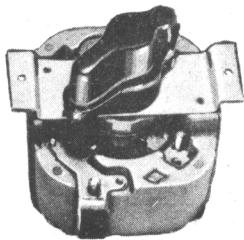
7127-6



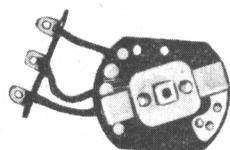
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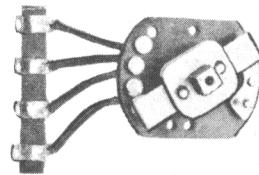
VAPOR CAR HEATING CO., Inc.



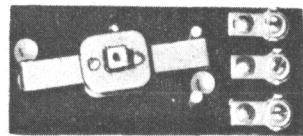
7116



7123



7124



7132



1700-CC20



1800-CC7



7100-A7



7100-DD



10818



7100-CC



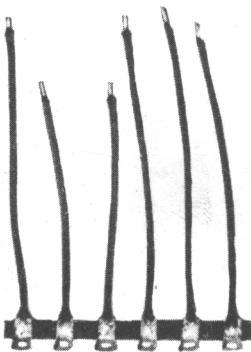
7101-3CC



10615



10632



10684



VAPOR CAR HEATING CO., Inc.



SECTION 6-B

- REPLACEMENT PARTS
- SWITCHES
- FAN, SEASONAL AND EMERGENCY

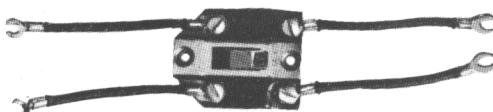


VAPOR CAR HEATING CO., Inc.

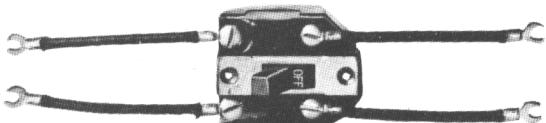


FAN SWITCHES, SEASONAL SWITCHES AND EMERGENCY SWITCHES

SWITCH No.	DESCRIPTION	CHARACTER
7110	Trumbull— 2228-S	2-Pole Single Throw
7112	Trumbull— 2328-S	3-Way
7115	G. E.— 289739	2-Pole Double Throw
A-7115	G. E.— 289739	2-Pole Double Throw
7116		4-Position 1 or 2 Speeds
A-7116		4-Position 1 or 2 Speeds
7117		4-Position 3-Speeds



7112



7110



A-7115



VAPOR CAR HEATING CO., Inc.



SECTION 6-C

- REPLACEMENT PARTS
- SWITCHES
- VALVE CUT-OUT AND TEST



VAPOR CAR HEATING CO., Inc.

REPLACEMENT PARTS FOR
EMERGENCY TOGGLE SWITCHES

DESCRIPTION	AMT.	7141	AMT.	A-7141	AMT.	B-7141
Emergency Switch Plate.....	1	1901-V1	1	10590	1	10590
Emergency Switch Base.....	1	10591	1	10591	1	10591
Emergency Toggle Switch.....	1	10998	1	10998	1	10998
Switch Name Plate.....	1	1900-L17	1	1900-L17	1	1900-L17

DESCRIPTION	AMT.	C-7141	AMT.	7142	AMT.	C-7142
Emergency Switch Plate.....	1	10590	1	1901-V1	1	10790
Emergency Switch Base.....	1	10591	1	10610	1	10791
Emergency Toggle Switch.....	1	10998	2	10997	2	10997
Switch Name Plate.....	1	1900-L17	2	1900-L17	2	1900-L17

DESCRIPTION	AMT.	7143	AMT.	7144	AMT.	7145
Emergency Switch Plate.....	1	1901-V1	1	7144-V1	1	7145-V1
Emergency Switch Base.....	1	10438	1	7144-V2	1	7145-V2
Emergency Toggle Switch.....	3	10997	4	10997	5	10997
Switch Name Plate.....	3	1900-L17	4	1900-L17	5	1900-L17

NOTE—Emergency Switches A-7141 and B-7141 do not come equipped with name plates unless specified. When ordering any type Emergency Switches, mention markings on name plates.



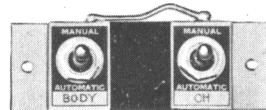
VAPOR CAR HEATING CO., Inc.



7141



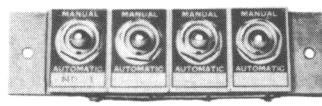
A-7141



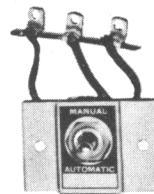
7142



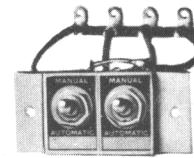
7143



7144



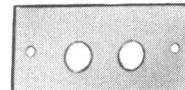
C-7141



C-7142



10590



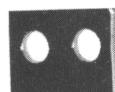
10790



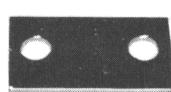
1901-V1



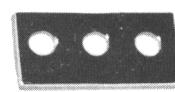
10591



10791



10610



10438



1901-V3



1900-L17



VAPOR CAR HEATING CO., Inc.



SECTION 6-D

- SWITCHES
- WESTINGHOUSE "FLIP-ON"



WESTINGHOUSE "FLIP-ON" SWITCHES

2-POLE TYPE SWITCHES

No. 545181	15 Amp.
No. 545182	20 Amp.
No. 545183	25 Amp.
No. 545185	35 Amp.
No. 545186	50 Amp.

3-POLE TYPE SWITCHES

No. 545369	15 Amp.
No. 545343	20 Amp.
No. 545344	25 Amp.
No. 545345	35 Amp.
No. 545346	50 Amp.

NOTE—No mounting charge included in the above 2 and 3-Pole type "Flip-On" Switches.

3-POLE TYPE SWITCHES

No. 545155	15 Amp.
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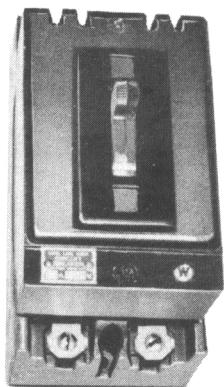
1-POLE TYPE SWITCHES

No. 545127	25 Amp.
No. 545129	35 Amp.

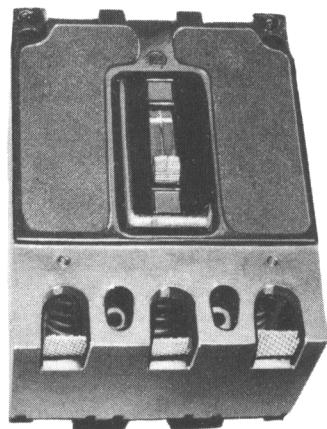
NOTE—Mounting charge included.



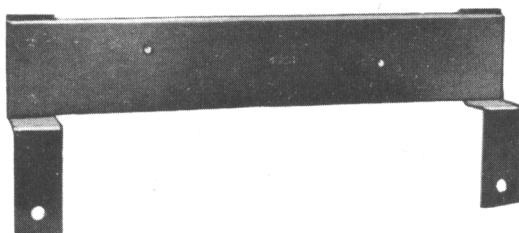
VAPOR CAR HEATING CO., Inc.



2-POLE TYPE



3-POLE TYPE



30312—"FLIP-ON" SWITCH
MOUNTING BRACKET



VAPOR CAR HEATING CO., Inc.



SECTION 7-A

- REPLACEMENT PARTS
- THERMOSTATS—

SIDE WALL MOUNTING TYPE
WITHOUT TEMPERATURE
SELECTION SWITCHES



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—THERMOSTATS

SIDE WALL MOUNTING TYPE WITHOUT SWITCHES

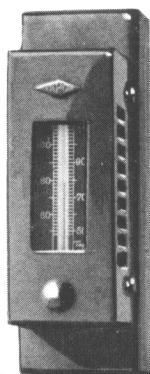
DESCRIPTION	AMT.	1810	1811-1-1-1	1812	1813-3-1	
		PART No.	PART No.	PART No.	PART No.	
THERMOSTAT HOUSING						
COMPLETE.....	1	1810-AA	1	1810-AA	1	1811-AA
Thermostat Housing only.....	1	1810-A1	1	1810-A1	1	1810-A1
Tube Holder.....	1	1810-B1	1	1810-B1	1	1810-B1
Tube Clamp.....	1	1810-C1	1	1810-C1	1	1818-4-A6
Screws.....	2	$\frac{9}{16}''$ x6-32 RH Br	2	$\frac{9}{16}''$ x6-32 RH Br	2	$\frac{9}{16}''$ x6-32 RH Br
Tube Base.....	1	1810-DD	1	1813-3-1-DD	1	1813-3-1-DD
Screws.....	5	$\frac{1}{4}''$ x8-32 BH Br	5	$\frac{1}{4}''$ x8-32 BH Br	5	$\frac{1}{4}''$ x8-32 BH Br
Terminal Washer.....	5	1700-H13		5	1700-H13	
Contact Springs.....	5	1631-G	6	1631-G	6	1631-G
TERMINAL BOARD						
COMPLETE.....	1	1810-FF	1	1811-1-1-1-FF	1	1813-1-1-1-FF
Terminal Lugs.....	4	1700-G6	8	1700-G6	6	1700-G6
Screws.....	5	$\frac{1}{4}''$ x6-32 FH Br	8	$\frac{1}{4}''$ x6-32 BH Br	5	$\frac{1}{4}''$ x6-32 BH Br
Heat Unit.....	1	1810-FF	1	1811-F9		
Support Posts.....	2	1810-F2	2	1815-A13	2	1815-A13
Screws.....	2	$\frac{5}{16}''$ x8-32 BH Br	2	$\frac{5}{16}''$ x8-32 BH Br	2	$\frac{5}{16}''$ x8-32 BH Br
COVER WITH						
THERMOMETER.....	1	1810-KK		1	1810-KK	
Cover only.....	1	1810-K1		1	1810-K1	
Thermometer.....	1	1810-K2		1	1810-K2	
COVER—Plain.....	1	1874-E	1	1874-E	1	1874-E

NOTE—Plain Cover or Cover with Thermometer is optional.

NOTE—When ordering replacements, specify thermostat number. State type cover desired.



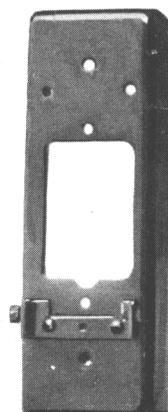
VAPOR CAR HEATING CO., Inc.



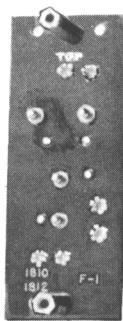
1810



1812

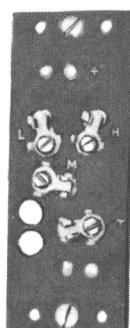


1810-A1

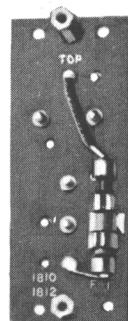


1812-FF

FRONT



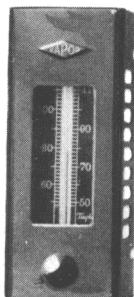
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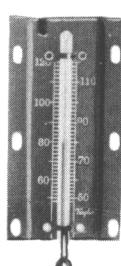
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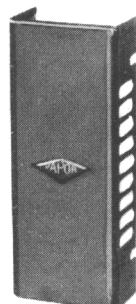
REAR



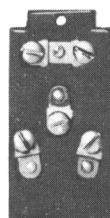
1810-KK



1810-K2



1874-E



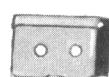
1810-DD



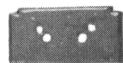
1700-G6



1631-G



1810-C1



1810-B1



VAPOR CAR HEATING CO., Inc.



SECTION 7-B

- REPLACEMENT PARTS
- THERMOSTATS—
SIDE WALL MOUNTING TYPE
WITH TEMPERATURE
SELECTION SWITCHES



VAPOR CAR HEATING CO., Inc.



REPAIR PARTS FOR THERMOSTATS

SIDE WALL MOUNTING TYPE WITH TEMPERATURE SELECTION SWITCH

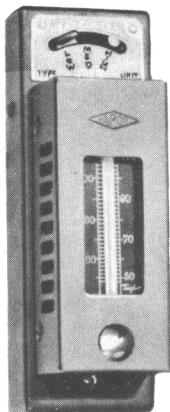
DESCRIPTION	AMT.	1815	PART No.	AMT.	1816	PART No.	AMT.	1819	PART No.	AMT.	1820	PART No.
THERMOSTAT BASE.....	1	1815-AA		1	1816-AA		1	1819-AA		1	1820-AA	
BASE COMPLETE.....	1	1815-AA1		1	1816-AA1		1	1819-AA1		1	1820-AA1	
HEAT ELEMENT.....							1	1819-E		1	1819-E	
TEMPERATURE CONTROL SWITCH PARTS:												
Brush Assembly.....	1	1800-CC7										
Switch Indicator.....	1	1801-C12		1	1800-C12		1	1801-C12		1	1800-C12	
Bearing Post.....	1	1800-C1										
Auxiliary Bushing.....	1	1840-26		1	1840-26		1	1840-26		1	1840-26	
Bearing Post Sleeve.....	1	1800-C2										
Bearing Post Nut.....	2	8-32x3/8" Br										
Bearing Post Washer.....	1	No. 8-3/8 OD										
Support Post	1	1810-F2										
Anchor Screws.....	3	5/16"x6-32 BH Br										
Terminal Screws.....	6	5/16"x6-32 BH Br		6	5/16"x6-32 BH Br		3	5/16"x6-32 BH Br		5	5/16"x6-32 BH Br	
THERMOSTAT HOUSING.....	1	1815-BB		1	1820-BB		1	1815-BB		1	1820-BB	
HOUSING ONLY.....	1	1815-B1										
MISCELLANEOUS THERMOSTAT HOUSING PARTS:												
Tube Holder.....	1	1810-B1										
Tube Clamp.....	1	1810-C1										
Screws.....	2	5/16"x4-36 RH Br										
Name Plate.....	1	1815-G		1	1816-G		1	1819-G		1	1820-G	
Screws.....	2	5/16"x6-32 RH St										
TUBE HOLDER BASE.....	1	1815-DD										
BASE ONLY COMPLETE.....	1	1815-DD1										
Contact Springs.....	6	1631-G										
Screws.....	6	5/16"x6-32 BH Br										
COVER WITH THERMOMETER.....	1	1810-KK										
Cover only.....	1	1810-K1										
Thermometer.....	1	1810-K2										
COVER, PLAIN.....	1	1874-E										
	AMT.	1821	PART No.	AMT.	1823	PART No.	AMT.	1874	PART No.	AMT.	1875	PART No.
THERMOSTAT BASE.....	1	1821-AA		1	1823-AA		1	1874-AA		1	1875-AA	
BASE COMPLETE.....	1	1821-AA1		1	1823-AA1		1	1874-AA1		1	1875-AA1	
TEMPERATURE CONTROL SWITCH PARTS:												
Brush Assembly.....	1	1800-CC7										
Switch Indicator.....	1	1800-C12										
Bearing Post.....	1	1800-C1										
Auxiliary Bushing.....	1	1840-26		1	1840-26		1	1840-26		1	1840-26	
Bearing Post Sleeve.....	1	1800-C2										
Bearing Post Nut.....	2	8-32x3/8" BH Br										
Bearing Post Washer.....	1	No. 8-3/8 OD										
Support Post	1	1810-F2										
Anchor Screws.....	3	5/16"x6-32 BH Br										
Terminal Screws.....	5	5/16"x6-32 BH Br										
THERMOSTAT HOUSING.....	1	1820-BB		1	1815-BB		1	1820-BB		1	1815-BB	
HOUSING ONLY.....	1	1815-B1										
MISCELLANEOUS THERMOSTAT HOUSING PARTS:												
Tube Holder.....	1	1810-B1										
Tube Clamp.....	1	1818-4-A6										
Screws.....	2	5/16"x4-36 RH Br										
Name Plate.....	1	1821-G		1	1823-G		1	1874-G		1	1875-G	
Screws.....	2	5/16"x6-32 RH St										
TUBE HOLDER BASE.....	1	1821-DD		1	1821-DD		1	1874-DD		1	1874-DD	
BASE ONLY COMPLETE.....	1	1821-DD1		1	1821-DD1		1	1874-DD1		1	1874-DD1	
Contact Springs.....	6	1631-G										
Screws.....	6	5/16"x6-32 BH Br										
COVER WITH THERMOMETER.....	1	1810-KK										
Cover only.....	1	1810-K1										
Thermometer.....	1	1810-K2										
COVER, PLAIN.....	1	1874-E										



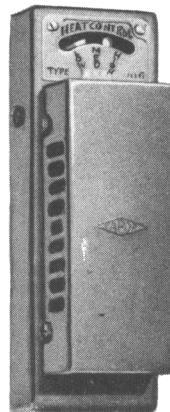
VAPOR CAR HEATING CO., Inc.



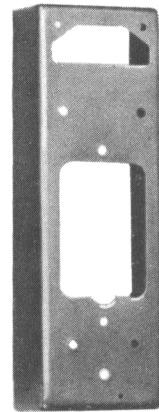
All side wall thermostats with temperature selection switches are similar in appearance to those shown below.



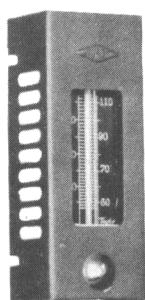
WITH THERMOMETER
IN COVER



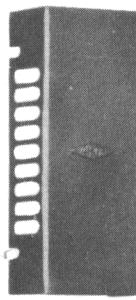
WITH PLAIN
COVER



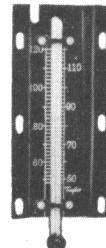
1815-B1



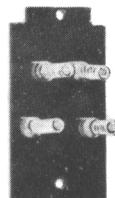
1810-KK



1874-E



1810-K2



1815-FD



1800-C12



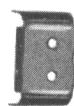
1801-C12



1800-CC7



1810-B1



1810-C1



1800-C1



1840-26



1819-EE



1810-F2



1800-C2



VAPOR CAR HEATING CO., Inc.



SECTION 7-C

- REPLACEMENT PARTS
- THERMOSTATS—UNDERNEATH
SEAT MOUNTING TYPE



VAPOR CAR HEATING CO., Inc.

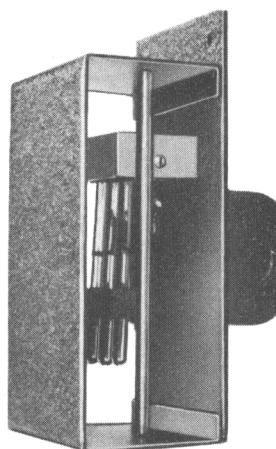
REPLACEMENT PARTS — THERMOSTATS
FOR MOUNTING UNDER SEATS

DESCRIPTION	AMT.	1814	AMT.	1814-P
		PART No.		PART No.
THERMOSTAT MOUNTING BASE...1		1814-AA	1	1814-P-AA
Mounting Plate.....1	1	1814-A1	1	30432
Wire Insulator.....1	1	1626-Y2	1	1626-Y2
Outlet Box.....1	1	1711-A7	1	1711-A7
Outlet Box Cover.....1	1	1711-A8	1	1711-A8
Name Plate.....1	1	1814-A6	1	1814-A6
Screws.....2	2	$\frac{3}{16}$ "x8-32 RH St	2	$\frac{3}{16}$ "x8-32 RH St
Tube Holder Support Posts.....2	2	1814-A13	2	1814-A13
Screws.....2	2	$\frac{3}{16}$ "x6-32 RH St	2	$\frac{3}{16}$ "x6-32 RH St
Lock Washers.....2	2	No. 6 Shakeproof	2	No. 6 Shakeproof
Cover Anchor Studs.....2	2	1840-A10	2	1840-A10
Miscellaneous Tube Mounting Parts				
Tube Holder.....1	1	1810-B1	1	1810-B1
Tube Holder Support Posts.....2	2	1840-20	2	1840-20
Screws.....2	2	$\frac{3}{4}$ "x6-32 RH St	2	$\frac{3}{4}$ "x6-32 RH St
TUBE CUSHION ASSEMBLY.....1		1814-DD	1	1814-DD
Tube Cushion.....2	2	10687	2	10687
Tube Cushion Holder.....1	1	10688	1	10688
Screws.....2	2	$\frac{1}{4}$ "x6-32 BH Br	2	$\frac{1}{4}$ "x6-32 BH Br
TUBE BASE.....1		1814-BB	1	1814-BB
Terminal Base.....1	1	1814-BB1	1	1814-BB1
Terminal Washers.....5	5	1700-H13	5	1700-H13
Screws.....5	5	$\frac{1}{4}$ "x8-32 RH Br	5	$\frac{1}{4}$ "x8-32 RH Br
THERMOSTAT COVER.....1		1814-CC		
Cover.....1	1	1814-C1		
Cover Support Rods.....2	2	1814-C2		
Screw.....1	1	$\frac{1}{4}$ "x8-32 BH St		

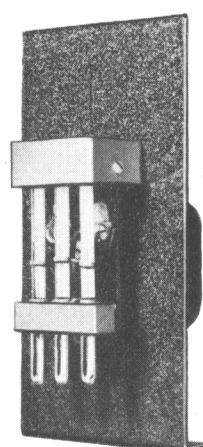
NOTE—The latest type No. **1814** thermostats come equipped with sponge rubber tube cushions and tube cushion holders to absorb any shock caused by articles roughly placed under seats.



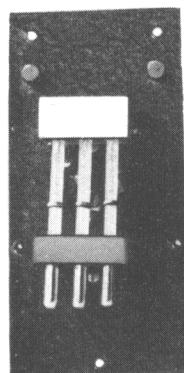
VAPOR CAR HEATING CO., Inc.



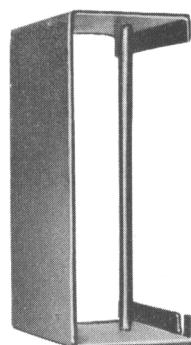
1814



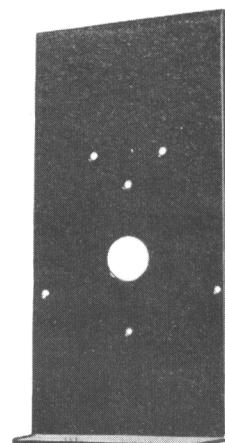
1814-P



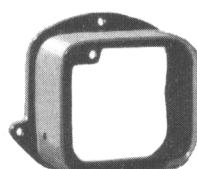
1814-BB & 1814-AA



1814-CC



1814-P-A1



1711-A7



1711-A8



1814-BB



1626-Y2



10687



10688



1814-A13



1840-A20



VAPOR CAR HEATING CO., Inc.



SECTION 7-D

- REPLACEMENT PARTS
- THERMOSTATS—
DUCT MOUNTING TYPE



VAPOR CAR HEATING CO., Inc.



DUCT MOUNTING TYPE THERMOSTATS

	1818		1918	
	AMT.	PART No.	AMT.	PART No.
TUBE BASE.....	1	1818-AA	1	1818-AA
MOUNTING BRACKET.....	1	1818-A2	1	1818-A2
TUBE HOLDER.....	1	1810-B1	1	1810-B1
TUBE CLAMP.....	1	1810-C1	1	1810-C1
SCREWS.....	2	$\frac{9}{16}'' \times 6-32$ RH St	2	$\frac{9}{16}'' \times 6-32$ RH St
NAME PLATE.....	1	1810-G	1	1810-G
TERMINAL WASHERS.....	5	1700-H13	5	1700-H13
SCREWS.....	5	$\frac{1}{4}'' \times 8-32$ BH St	5	$\frac{1}{4}'' \times 8-32$ BH St
TERMINAL LUGS.....	4	1700-G6	4	1700-G6
SCREWS.....	5	$\frac{1}{4}'' \times 6-32$ BH Br	5	$\frac{1}{4}'' \times 6-32$ BH Br
THERMOSTAT COVER.....	1	1918-BB	1	1918-BB
DUCT MOUNTING BRACKET COMPLETE.....			1	1918-CC
DUCT MOUNTING BRACKET.....			1	1918-A3
DUCT MOUNTING BRACKET INSULATOR.....			1	1918-A19

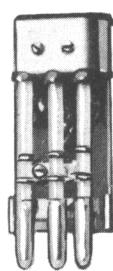
***NOTE—The 1818 and 1918 Thermostats are identical except that the 1918 is equipped with the sidewall mounting bracket.



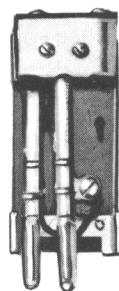
VAPOR CAR HEATING CO., Inc.



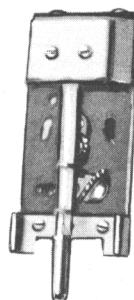
1918-3—COMPLETE



1918-3



1918-2



1918-1



FRONT



REAR

1818-1AA

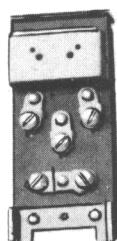


FRONT



REAR

1818-2AA



FRONT



REAR

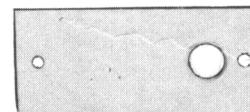
1818-3AA



1918-BB



1918-A3



1918-A19



1700-H13



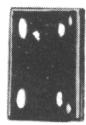
1840-24



1700-H9



1810-D4



1818-A2



VAPOR CAR HEATING CO., Inc.



Catalog 53

SECTION 7-E

- REPLACEMENT PARTS
- THERMOSTATS
- SINGLE TUBE ADJUSTABLE SPRING SUSPENDED TYPES

REISSUED

MAY 1938



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—THERMOSTATS
SINGLE TUBE ADJUSTABLE—SPRING SUSPENDED TYPES

DESCRIPTION	AMT.	B-2501 PART No.	AMT.	D-2501 PART No.	AMT.	F-2501 PART No.	AMT.	W-2501 PART No.	AMT.	WT-2501 PART No.
BASE ASSEMBLY, Instrument...	1	B-2501-AA		2501-AA	1	2501-AA	1	2501-AA	1	2501-AA
LUG, Terminal.....	4	12229	4	12229	4	12229	4	12229	4	12229
PANEL ASSEMBLY, Tube.....	1	2501-BB-1								
TUBE, Adjustable Thermostat...	1	2501-BB-2								
SPRING, Tube Support.....	2	12095	2	12095	2	12095	2	12095	2	12095
WASHER, Tube Support.....	2	11218	2	11218	2	11218	2	11218	2	11218
INSULATOR, Felt.....	2	12571	2	12571	2	12571	2	12571	2	12571
SHIELD, Insulating.....	1	12074	1	12074	1	12074	1	12074	1	12074
SHIELD, Mounting.....	1	30611	1	30611	1	30611	1	30611	1	30611
SPRING, Lower Suspension....	2	11929	2	11929	2	11929	2	11929	2	11929
SPRING, Upper Suspension....	2	12407	2	12407	2	12407	2	12407	2	12407
COVER, Thermostat.....	1	2500-C			1	1814-CC	1	2500-C	1	2501-CC
THERMOMETER, Cover.....										1 2501-C-2
BRACKET, Mounting.....	1	12085	1	12085	1	F-2501-DD				
PLATE, Mounting.....					1	F-2501-D1				
COVER, Junction.....					1	12041				

DESCRIPTION	AMT.	FB-2501 PART No.	AMT.	FC-2501 PART No.	AMT.	R-2501 PART No.
BASE ASSEMBLY, Instrument.....	1	FB-2501-AA	1	FC-2501-AA	1	R-2501-AA
LUG, Terminal.....	4	12229	4	12229	4	12229
PANEL ASSEMBLY, Tube.....	1	2501-BB-1	1	2501-BB-1	1	2501-BB-1
TUBE, Adjustable Thermostat.....	1	2501-BB-2	1	2501-BB-2	1	2501-BB-2
SPRING, Tube Support.....	2	12095	2	12095	2	12095
WASHER, Tube Support.....	2	11218	2	11218	2	11218
INSULATOR, Felt.....	2	12571	2	12571	2	12571
SHIELD, Insulating.....	1	12074	1	12074	1	12074
SHIELD, Mounting.....	1	30611	1	30611	1	30611
SPRING, Lower Suspension....	2	11929	2	11929	2	11929
SPRING, Upper Suspension....	2	12407	2	12407	2	12407
YODE, Spring.....	2	12536	2	12536	2	12536
BUSHING, Wire.....	1	1626-Y-2	1	1626-Y-2		
COVER, Thermostat.....					1	R-2501-C
GUARD, Thermostat.....	1	FB-2501-E	1	FC-2501-E		

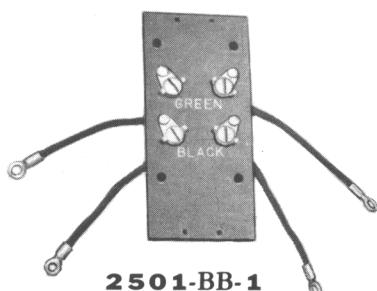
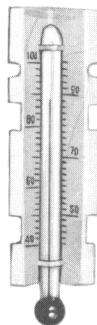
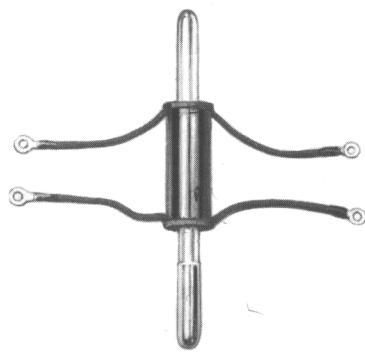
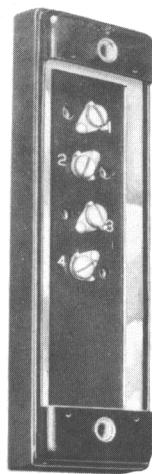
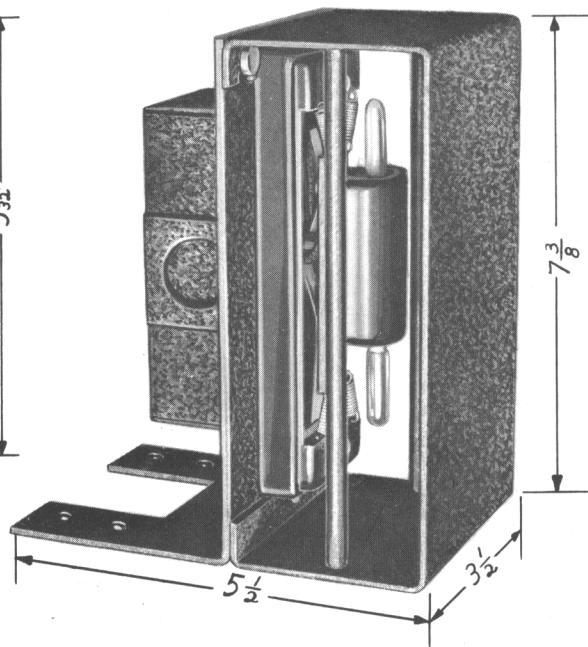
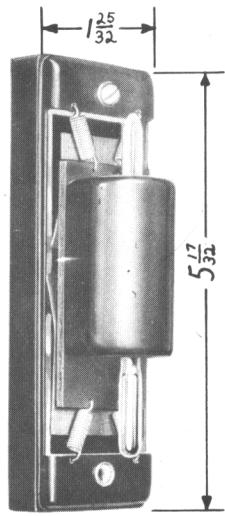
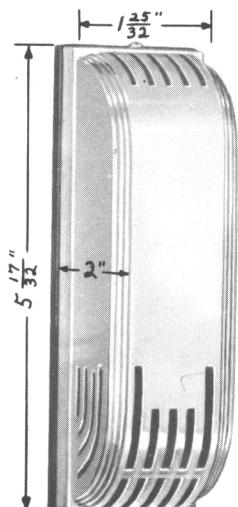
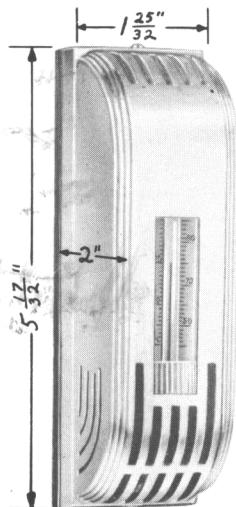
No. D-2502 Thermostat consists of two D-2501 Thermostats mounted together on one BRACKET No. 21091 instead of No. 12085.

*NOTE—When ordering specify degree setting, as etched in tube.

NOTE—When ordering Complete Thermostats, specify degree setting of tube required by adding the temperature after the thermostat number—as D-2501-80.



VAPOR CAR HEATING CO., Inc.

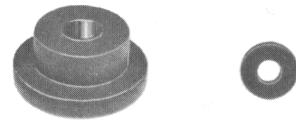
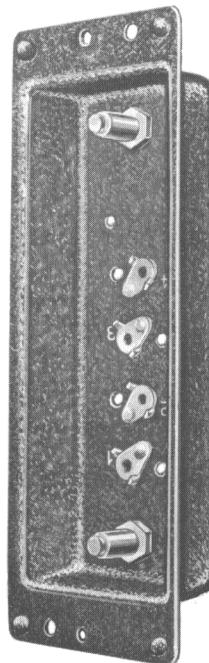
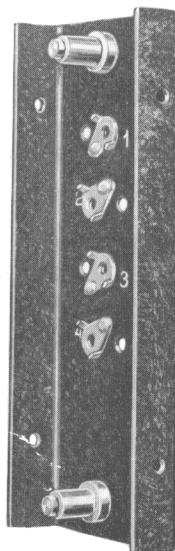
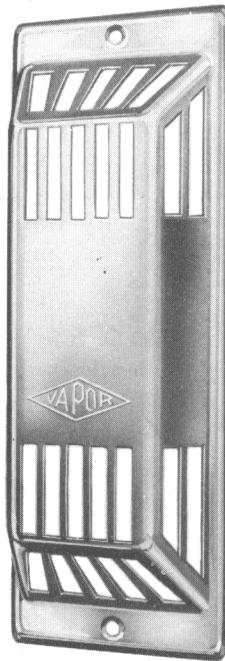
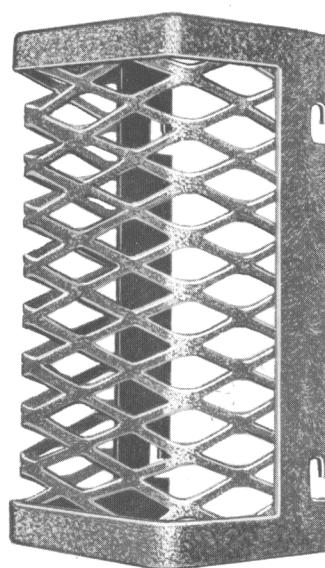
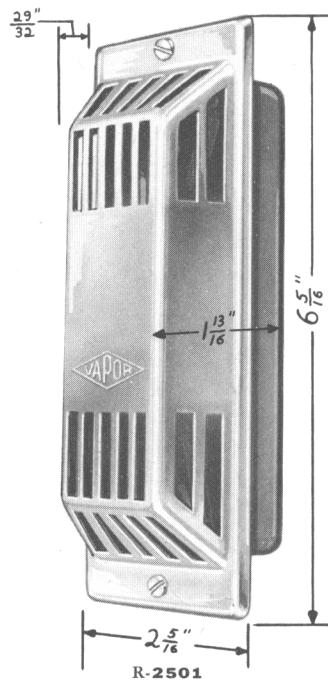
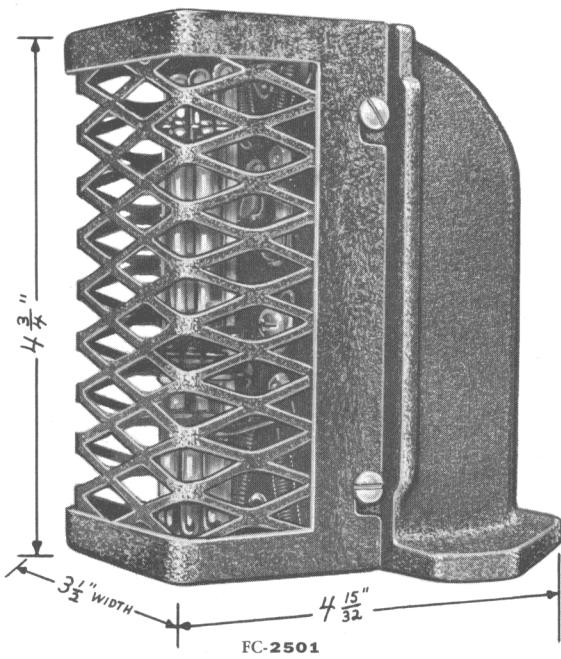


11929
12407





VAPOR CAR HEATING CO., Inc.



R-2501-C

FC-2501-AA

R-2501-AA

12074

FC-2501-E

12571

12536



VAPOR CAR HEATING CO., Inc.



Supplement to Section 7-E Catalog 53

Revised Jan., 1940

RESISTOR TABLES

THERMOSTAT ADJUSTMENT RESISTORS, BALLAST RESISTORS AND CYCLING RESISTORS FOR VAPOR COMPENSATING AND CORRELATIVE CONTROLS

Temperature Reduction Below Thermostat Tube Marking	12 to 14 volts without Ballast	24 volts with Ballast	32 volts without Ballast	32 volts with Ballast	64 volts with Ballast	125 volts with Ballast
1°	2550-BC	2550-AL	2550-AJ	2550-AJ	2550-AE	2550-AD
2°	2550-BH	2550-AR	2550-AM	2550-AN	2550-AG	2550-AE
3°	2550-BL	2550-AT	2550-AO	2550-AP	2550-AJ	2550-AF
4°	2550-BN	2550-AV	2550-AQ	2550-AR	2550-AL	2550-AG
5°	2550-BO	2550-AX	2550-AR	2550-AS	2550-AM	2550-AH
6°	2550-CA	2550-AY	2550-AS	2550-AT	2550-AO	2550-AJ
7°	2550-CB	2550-BA	2550-AT	2550-AV	2550-AP	2550-AK
8°	2550-CC	2550-BC	2550-AU	2550-AW	2550-AQ	2550-AL
9°	2550-CD	2550-BD	2550-AV	2550-AX	2550-AR	2550-AM
10°	2550-CE	2550-BE	2550-AW	2550-AY	2550-AS	2550-AN
11°	2550-CF	2550-BG		2550-AZ	2550-AT	2550-AO
12°	2550-CH	2550-BH	2550-AX	2550-BA	2550-AU	2550-AP
13°	2550-CJ	2550-BJ	2550-AY		2550-AV	2550-AQ
14°	2550-CK	2550-BK		2550-BB	2550-AW	2550-AR
15°	2550-CL	2550-BM	2550-AZ	2550-BC	2550-AX	2550-AS
16°	2550-CM	2550-BN		2550-BD	2550-AY	
17°	2550-CN	2550-BO	2550-BA	2550-BE	2550-AZ	2550-AT
18°	2550-CO	2550-BP			2550-BA	2550-AU
19°	2550-CP	2550-CC		2550-BF		2550-AV
20°	2550-CQ	2550-CD	2550-BB	2550-BG	2550-BC	2550-AW
21°	2550-CR	2550-CF			2550-BD	2550-AX
22°	2550-CS	2550-CJ		2550-BH	2550-BE	2550-AY
23°	2550-CT	2550-CL			2550-BF	2550-AZ
24°	2550-CU	2550-CO		2550-BJ	2550-BG	2550-BA
25°	2550-CV	2550-CR	2550-BE	2550-BK	2550-BH	2550-BB
26°				2550-BL	2550-BJ	2550-BD
27°				2550-BN	2550-BL	2550-BE
28°				2550-AC	2550-BM	2550-BF
29°				2550-BO	2550-BN	
30°					2550-BP	2550-BJ
31°						2550-BL
32°						2550-BN
33°						2550-BP
35°			2550-BH			
40°			2550-BJ			
"B" Ballast Resistor	None	2550-BN	None	2550-BN	2550-AV	2550-AO
"OC" Overhead Heat Cycling Resistor.....		2550-AJ	2550-AJ	2550-AE	2550-AD	
"FC" Floor Heat Cycling Resistor.....		None	2550-AC	2550-AB	2550-AA*	

NOTE: *On 125 volts use two 2550-AB Resistors in series to get equivalent of 2550-AA for floor heat cycling.

Order Resistors by Part Numbers, in accordance with the number of degrees of temperature reduction desired from thermostat tube marking, and in accordance with the voltage of the temperature control panel.

- For example:
- (1) Where a Ballast resistor is used, to adjust a 76° thermostat tube to control at 71° on 32 volts use Resistor No. **2550-AS**.
 - (2) Where no Ballast resistor is used, to adjust a 76° thermostat tube to control at 71° on 32 volts use Resistor No. **2550-AR**.
 - (3) With a Ballast Resistor used, to adjust a 76° thermostat tube to control at 71° on 64 volts use Resistor No. **2550-AM**.

Circuits should be checked with Vapor Test Meter No. **2525** or equivalent. See Reverse side of this sheet for ohmic values of all these resistors.

OHMIC VALUES FOR No. 2550 SERIES RESISTORS

2550-AA.....	110,000 ohms	2550-BA.....	920 ohms	2550-CA.....	225 ohms
2550-AB.....	55,000 ohms	2550-BB.....	800 ohms	2550-CB.....	200 ohms
2550-AC.....	30,000 ohms	2550-BC.....	750 ohms	2550-CC.....	179 ohms
2550-AD.....	20,000 ohms	2550-BD.....	700 ohms	2550-CD.....	160 ohms
2550-AE.....	12,000 ohms	2550-BE.....	650 ohms	2550-CE.....	147 ohms
2550-AF.....	9,000 ohms	2550-BF.....	560 ohms	2550-CF.....	135 ohms
2550-AG.....	7,500 ohms	2550-BG.....	520 ohms	2550-CH.....	125 ohms
2550-AH.....	6,100 ohms	2550-BH.....	470 ohms	2550-CJ.....	115 ohms
2550-AJ.....	5,400 ohms	2550-BJ.....	410 ohms	2550-CK.....	105 ohms
2550-AK.....	4,700 ohms	2550-BK.....	380 ohms	2550-CL.....	98 ohms
2550-AL.....	4,300 ohms	2550-BL.....	350 ohms	2550-CM.....	90 ohms
2550-AM.....	3,800 ohms	2550-BM.....	320 ohms	2550-CN.....	83 ohms
2550-AN.....	3,500 ohms	2550-BN.....	300 ohms	2550-CO.....	77 ohms
2550-AO.....	3,000 ohms	2550-BO.....	260 ohms	2550-CP.....	72 ohms
2550-AP.....	2,700 ohms	2550-BP.....	230 ohms	2550-CQ.....	67 ohms
2550-AQ.....	2,500 ohms			2550-CR.....	62 ohms
2550-AR.....	2,250 ohms			2550-CS.....	58 ohms
2550-AS.....	2,000 ohms			2550-CT.....	54 ohms
2550-AT.....	1,800 ohms			2550-CU.....	50 ohms
2550-AU.....	1,600 ohms			2550-CV.....	47 ohms
2550-AV.....	1,500 ohms				
2550-AW.....	1,350 ohms				
2550-AX.....	1,200 ohms				
2550-AY.....	1,100 ohms				
2550-AZ.....	1,000 ohms				

OHMIC VALUES OF THERMOSTATIC OR MISCL. RESISTORS

Part No.	Identification Color Characteristics	
2570	250 ohms	Red
2571	600 ohms	Blue
2572	3000 ohms	Orange
2573	75 ohms	Lavender
2574	150 ohms	Brown Body, Green End
*2575	160 ohms	Brown
**2576	179 ohms	Brown Body, Grey End
***2577	300 ohms	Orange Body, Brown End
2578	80 ohms	White
2579	6000 ohms	Blue Body, Black Ends
****2581	12000 ohms	Brown Body, Red End
2582	15000 ohms	Carbon Resistor
2583	500 ohms	New Type

*No. **2575** Resistor is Superseded by No. **2550-CD** Resistor

No. **2576 Resistor is Superseded by No. **2550-CC** Resistor

***No. **2577** Resistor is Superseded by No. **2550-BN** Resistor

****No. **2581** Resistor is Superseded by No. **2550-AE** Resistor



VAPOR CAR HEATING CO., Inc.



Catalog 53

SECTION 7-H

- REPLACEMENT PARTS
- THERMOSTATS
- MULTIPLE TUBE SPRING SUSPENDED TYPES

Reissued

May 1938



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—THERMOSTATS

MULTIPLE TUBE—SPRING SUSPENDED TYPES B-2522 SERIES FOR BULKHEAD MOUNTING

DESCRIPTION	AMT.	B-2522-1 PART No.	AMT.	B-2522-1-1 PART No.
INSTRUMENT BASE ASSEMBLY.....	1	B-2522-1-AA	1	B-2501-AA
Terminal Lug.....	2	12229	4	12229
Terminal Screw.....	4	6-32BHx ⁵ / ₁₆ "	8	6-32BHx ⁵ / ₁₆ "
TUBE PANEL ASSEMBLY COMPLETE.....	1	2522-1-BB	1	2522-1-1-BB
TUBE PANEL ASSEMBLY.....	1	2522-1-BB-1	1	2522-1-1-BB-1
Tube Panel Lead.....	2	12025	4	12025
Terminal Screw.....	2	6-32BHx ³ / ₁₆ "	4	6-32BHx ³ / ₁₆ "
Bus Bar.....				
Insulating Shield.....	1	12074	1	12074
Tube Support.....	2	11462	2	11462
Tube Support Screw.....	4	4-36RHx ⁵ / ₁₆ "	4	4-36RHx ⁵ / ₁₆ "
Tube Support Nut.....	4	4-36 Hex.	4	4-36 Hex.
Tube Support Lockwasher.....	4	4 Shakeproof	4	4 Shakeproof
THERMOSTAT TUBE (State degrees).....	1	6000	2	6000
Tube Spools.....	2	11220	4	11220
Suspension Spring—upper.....	2	11929	2	11929
Suspension Spring—lower.....	2	12407	2	12407
Mounting Bracket.....	1	12085	1	12085
Mounting Bracket Holding Screw.....	1	8-32RHx1"	1	8-32RHx1"
THERMOSTAT COVER.....	1	2500-C	1	2500-C
Cover Screw.....	1	4-36BHx ³ / ₁₆ "	1	4-36BHx ³ / ₁₆ "

D-2522 SERIES FOR DUCT MOUNTING

DESCRIPTION	AMT.	D-2522-1 PART No.	AMT.	D-2522-1-1 PART No.
INSTRUMENT BASE ASSEMBLY.....	1	2522-1-AA	1	2501-AA
Terminal Lug.....	2	12229	4	12229
Terminal Screw.....	4	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "
TUBE PANEL ASSEMBLY COMPLETE.....	1	2522-1-BB	1	2522-1-1-BB
TUBE PANEL ASSEMBLY.....	1	2522-1-BB-1	1	2522-1-1-BB-1
Tube Panel Lead.....	2	12025	4	12025
Terminal Screw.....	2	6-32BHx ³ / ₁₆ "	4	6-32BHx ³ / ₁₆ "
Bus Bar.....				
Insulating Shield.....	1	12074	1	12074
Tube Support.....	2	11462	2	11462
Tube Support Screw.....	4	4-36RHx ⁵ / ₁₆ "	4	4-36RHx ⁵ / ₁₆ "
Tube Support Nut.....	4	4-36 Hex.	4	4-36 Hex.
Tube Support Lock Washer.....	4	4 Shakeproof	4	4 Shakeproof
THERMOSTAT TUBE (State degrees).....	1	6000	2	6000
Tube Spools.....	2	11220	4	11220
Suspension Spring—upper.....	2	11929	2	11929
Suspension Spring—lower.....	2	12407	2	12407
Mounting Bracket.....	1	12085	1	12085
Mounting Bracket Holding Screw.....	1	8-32RHx1"	1	8-32RHx1"

F-2522 SERIES FOR FLOOR MOUNTING

DESCRIPTION	AMT.	F-2522-1 PART No.	AMT.	F-2522-1-1 PART No.
INSTRUMENT BASE ASSEMBLY.....	1	2522-1-AA	1	2501-AA
Terminal Lug.....	2	12229	4	12229
Terminal Screw.....	4	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "
TUBE PANEL ASSEMBLY COMPLETE.....	1	2522-1-BB	1	2522-1-1-BB
TUBE PANEL ASSEMBLY.....	1	2522-1-BB-1	1	2522-1-1-BB-1
Tube Panel Lead.....	2	12025	4	12025
Terminal Screw.....	2	6-32BHx ³ / ₁₆ "	4	6-32BHx ³ / ₁₆ "
Bus Bar.....				
Insulating Shield.....	1	12074	1	12074
Tube Support.....	2	11462	2	11462
Tube Support Screw.....	4	4-36RHx ⁵ / ₁₆ "	4	4-36RHx ⁵ / ₁₆ "
Tube Support Nut.....	4	4-36 Hex.	4	4-36 Hex.
Tube Support Lock Washer.....	4	4 Shakeproof	4	4 Shakeproof
THERMOSTAT TUBE (State degrees).....	1	6000	2	6000
Suspension Spring—upper.....	2	11929	2	11929
Suspension Spring—lower.....	2	12407	2	12407
Tube Spools.....	2	11220	4	11220
MOUNTING PLATE AND JUNCTION BOX ASSEMBLY.....	1	F-2501-DD	1	F-2501-DD
Mounting Plate.....	1	F-2501-D-1	1	F-2501-D-1
Junction Cover.....	1	12041	1	12041
Junction Cover Screw.....	2	8-32RHx1/4"	2	8-32RHx1/4"
COVER.....	1	1814-CC	1	1814-CC
Cover Screw.....	1	8-32RHx1"	1	8-32RHx1"
Screw for Mounting Plate and Cover.....	1	8-32RHx1/4"	1	8-32RHx1/4"
Base Anchor Screw.....	2	8-32RHx1"	2	8-32RHx1"

W-2522 SERIES FOR WALL MOUNTING

DESCRIPTION	AMT.	W-2522-1 PART No.	AMT.	W-2522-1-1 PART No.
INSTRUMENT BASE ASSEMBLY.....	1	2522-1-AA	1	2501-AA
Terminal Lug.....	2	12229	4	12229
Terminal Screw.....	4	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "
TUBE PANEL ASSEMBLY COMPLETE.....	1	2522-1-BB	1	2522-1-1-BB
TUBE PANEL ASSEMBLY.....	1	2522-1-BB-1	1	2522-1-1-BB-1
Tube Panel Lead.....	2	12025	4	12025
Terminal Screw.....	2	6-32BHx ³ / ₁₆ "	4	6-32BHx ³ / ₁₆ "
Bus Bar.....				
Insulating Shield.....	1	12074	1	12074
Tube Support.....	2	11462	2	11462
Tube Support Screw.....	4	4-36RHx ⁵ / ₁₆ "	4	4-36RHx ⁵ / ₁₆ "
Tube Support Nut.....	4	4-36 Hex.	4	4-36 Hex.
Tube Support Lockwasher.....	4	4 Shakeproof	4	4 Shakeproof
THERMOSTAT TUBE (State degrees).....	1	6000	2	6000
Tube Spools.....	2	11220	4	11220
Suspension Spring—upper.....	2	11929	2	11929
Suspension Spring—lower.....	2	12407	2	12407
COVER.....	1	2500-C	1	2500-C
Cover Screw.....	1	4-36BHx ³ / ₁₆ "	1	4-36BHx ³ / ₁₆ "

NOTE: WT-2522 Series Thermostats same as corresponding Thermostats above, except for 2501-CC Thermometer Cover instead of 2500-C.

PART No.	DESCRIPTION
2501-CC	COVER WITH THERMOMETER
2501-C-2	Thermometer Unit



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—THERMOSTATS

MULTIPLE TUBE—SPRING SUSPENDED TYPES B-2522 SERIES FOR BULKHEAD MOUNTING

AMT.	B-2522-2 PART No.	AMT.	B-2522-2-1 PART No.	AMT.	B-2522-3 PART No.	AMT.	B-2522-3-1 PART No.	AMT.	B-2522-4 PART No.
1	B-2522-2-AA	1	B-2522-4-AA	1	B-2501-AA	1	B-2522-3-1-AA	1	B-2522-4-AA
3	12229	5	12229	4	12229	6	12229	5	12229
6	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "	12	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "
1	2522-2-BB	1	2522-2-1-BB	1	2522-3-BB	1	2522-3-1-BB	1	2522-4-BB
1	2522-2-BB-1	1	2522-2-1-BB-1	1	2522-3-BB-1	1	2522-3-1-BB-1	1	2522-4-BB-1
3	12025	5	12025	4	12025	6	12025	5	12025
4	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	5	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "
1	11988 Cut-off	1	11988 Cut-off	1	11988	1	11988	1	11988 Cut-off
1	12074	1	12074	1	12074	1	12074	1	12074
2	11462	2	11462	2	11462	2	11462	2	11462
4	4-36RHx ⁵ / ₁₆ "								
4	4-36 Hex.								
4	4 Shakeproof								
2	6000	3	6000	3	6000	4	6000	4	6000
4	11220	6	11220	6	11220	8	11220	8	11220
2	11929	2	11929	2	11929	2	11929	2	11929
2	12407	2	12407	2	12407	2	12407	2	12407
1	12085	1	12085	1	12085	1	12085	1	12085
1	8-32RHx1"								
1	2500-C								
1	4-36BHx ³ / ₁₆ "								

D-2522 SERIES FOR DUCT MOUNTING

AMT.	D-2522-2 PART No.	AMT.	D-2522-2-1 PART No.	AMT.	D-2522-3 PART No.	AMT.	D-2522-3-1 PART No.	AMT.	D-2522-4 PART No.
1	2522-2-AA	1	2522-4-AA	1	2501-AA	1	2522-3-1-AA	1	2522-4-AA
3	12229	5	12229	4	12229	6	12229	5	12229
6	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "	12	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "
1	2522-2-BB	1	2522-2-1-BB	1	2522-3-BB	1	2522-3-1-BB	1	2522-4-BB
1	2522-2-BB-1	1	2522-2-1-BB-1	1	2522-3-BB-1	1	2522-3-1-BB-1	1	2522-4-BB-1
3	12025	5	12025	4	12025	6	12025	5	12025
4	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	5	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "
1	11988 Cut-off	1	11988 Cut-off	1	11988	1	11988	1	11988 Cut-off
1	12074	1	12074	1	12074	1	12074	1	12074
2	11462	2	11462	2	11462	2	11462	2	11462
4	4-36RHx ⁵ / ₁₆ "								
4	4-36 Hex.								
4	4 Shakeproof								
2	6000	3	6000	3	6000	4	6000	4	6000
4	11220	6	11220	6	11220	8	11220	8	11220
2	11929	2	11929	2	11929	2	11929	2	11929
2	12407	2	12407	2	12407	2	12407	2	12407
1	12085	1	12085	1	12085	1	12085	1	12085
1	8-32RHx1"								

F-2522 SERIES FOR FLOOR MOUNTING

AMT.	F-2522-2 PART No.	AMT.	F-2522-2-1 PART No.	AMT.	F-2522-3 PART No.	AMT.	F-2522-3-1 PART No.	AMT.	F-2522-4 PART No.
1	2522-2-AA	1	2522-4-AA	1	2501-AA	1	2522-3-1-AA	1	2522-4-AA
3	12229	5	12229	4	12229	6	12229	5	12229
6	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "	12	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "
1	2522-2-BB	1	2522-2-1-BB	1	2522-3-BB	1	2522-3-1-BB	1	2522-4-BB
1	2522-2-BB-1	1	2522-2-1-BB-1	1	2522-3-BB-1	1	2522-3-1-BB-1	1	2522-4-BB-1
3	12025	5	12025	4	12025	6	12025	5	12025
4	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	5	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "
1	11988 Cut-off	1	11988 Cut-off	1	11988	1	11988	1	11988 Cut-off
1	12074	1	12074	1	12074	1	12074	1	12074
2	11462	2	11462	2	11462	2	11462	2	11462
4	4-36RHx ⁵ / ₁₆ "								
4	4-36 Hex.								
4	4 Shakeproof								
2	6000	3	6000	3	6000	4	6000	4	6000
4	11929	2	11929	2	11929	2	11929	2	11929
4	12407	2	12407	2	12407	2	12407	2	12407
1	12041	1	12041	1	12041	1	12041	1	12041
2	8-32RHx ¹ / ₄ "								
1	1814-CC								
1	8-32RHx1"								
1	8-32RHx ¹ / ₄ "								
2	8-32RHx1"								

W-2522 SERIES FOR WALL MOUNTING

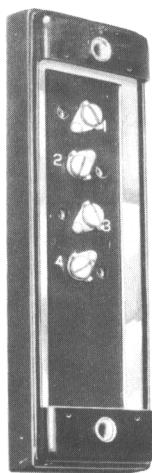
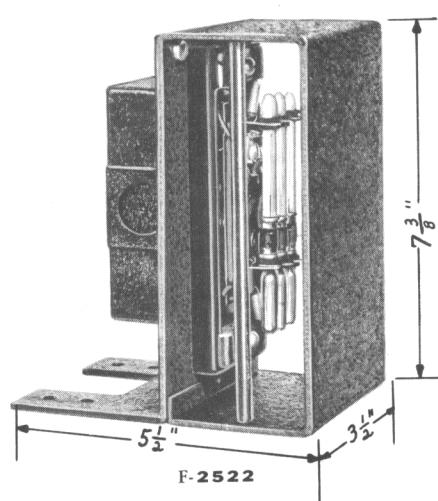
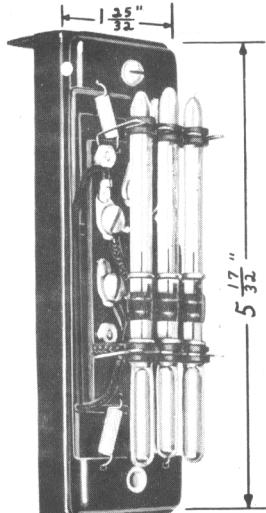
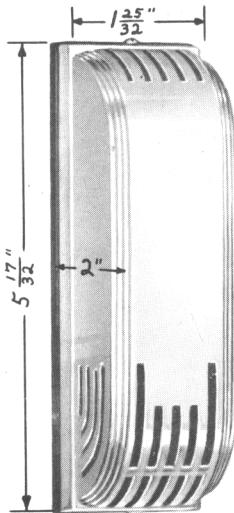
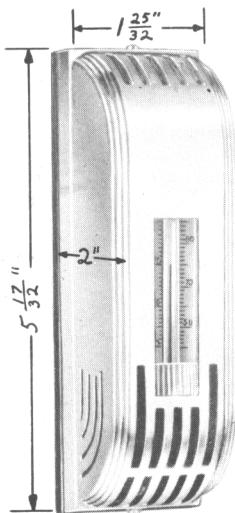
AMT.	W-2522-2 PART No.	AMT.	W-2522-2-1 PART No.	AMT.	W-2522-3 PART No.	AMT.	W-2522-3-1 PART No.	AMT.	W-2522-4 PART No.
1	2522-2-AA	1	2522-4-AA	1	2501-AA	1	2522-3-1-AA	1	2522-4-AA
3	12229	5	12229	4	12229	6	12229	5	12229
6	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "	8	6-32BHx ³ / ₁₆ "	12	6-32BHx ³ / ₁₆ "	10	6-32BHx ³ / ₁₆ "
1	2522-2-BB	1	2522-2-1-BB	1	2522-3-BB	1	2522-3-1-BB	1	2522-4-BB
1	2522-2-BB-1	1	2522-2-1-BB-1	1	2522-3-BB-1	1	2522-3-1-BB-1	1	2522-4-BB-1
3	12025	5	12025	4	12025	6	12025	5	12025
4	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	5	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "	6	6-32BHx ³ / ₁₆ "
1	11988 Cut-off	1	11988 Cut-off	1	11988	1	11988	1	11988 Cut off
1	12074	1	12074	1	12074	1	12074	1	12074
2	11462	2	11462	2	11462	2	11462	2	11462
4	4-36RHx ⁵ / ₁₆ "								
4	4-36 Hex.								
4	4 Shakeproof								
2	6000	3	6000	3	6000	4	6000	4	6000
4	11220	6	11220	6	11220	8	11220	8	11220
2	11929	2	11929	2	11929	2	11929	2	11929
2	12407	2	12407	2	12407	2	12407	2	12407
1	2500-C								
1	4-36BHx ³ / ₁₆ "								

NOTE: D-2522-2-1-P Thermostat is same as D-2522-2-1, except that only 2 Thermostat Tubes are used.

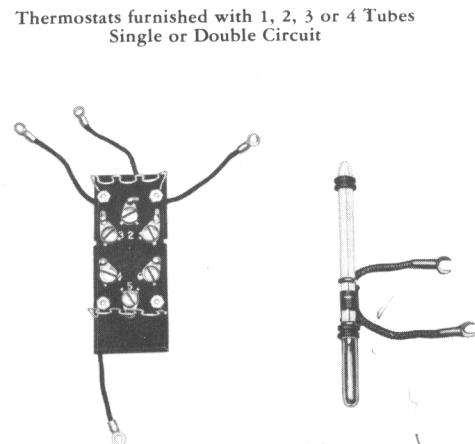
D-2522-3-P Thermostat is same as D-2522-3, except that only 2 Thermostat Tubes are used.



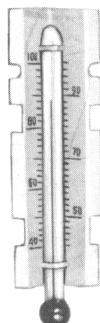
VAPOR CAR HEATING CO., Inc.



AA Instrument Base
2 to 6 Terminals



BB Tube Panel
for 1 to 4 Tubes



Thermostat
Tube
Any degree.



12085

2501-C-2



11462



11980



11929
&
12407



12074

F-2501-DD



VAPOR CAR HEATING CO., Inc.



Catalog 53

SECTION 7-J

- REPLACEMENT PARTS
- THERMOSTATS
- MULTIPLE TUBE SPRING SUSPENDED TYPES
FB-2522, FC-2522 and R-2522 Series.

New Section

July 1938



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—THERMOSTATS

MULTIPLE TUBE—SPRING SUSPENDED TYPES FC-2522 SERIES FLOOR HEAT THERMOSTATS

DESCRIPTION	AMT.	FC-2522-1	AMT.	FC-2522-1-1	AMT.	FC-2522-2	AMT.	FC-2522-2-1
		PART No.		PART No.		PART No.		PART No.
BASE ASSEMBLY, Instrument.....	1	FC-2522-1-AA	1	FC-2501-AA	1	FC-2522-2-AA	1	FC-2522-4-AA
LUG, Terminal.....	2	12229	4	12229	3	12229	5	12229
PANEL ASSEMBLY COMPL., Tube.....	1	2522-1-BB	1	2522-1-1-BB	1	2522-2-BB	1	2522-2-1-BB
PANEL SUB-ASSEMBLY, Tube.....	1	2522-1-BB1	1	2522-1-1-BB1	1	2522-2-BB1	1	2522-2-1-BB1
LEAD, Tube Panel.....	2	12025	4	12025	3	12025	5	12025
BAR, Bus.....					1	11988 Cut-off	1	11988 Cut-off
SHIELD, Insulating.....	1	12074	1	12074	1	12074	1	12074
SUPPORT, Tube.....	2	11462	2	11462	2	11462	2	11462
TUBE, Thermostat (State Degrees).....	1	6000	2	6000	2	6000	3	6000
SPOOL, Tube.....	2	11220	4	11220	4	11220	6	11220
SPRING, Upper Suspension.....	2	11929	2	11929	2	11929	2	11929
SPRING, Lower Suspension.....	2	12407	2	12407	2	12407	2	12407
YOKES, Spring.....	2	12536	2	12536	2	12536	2	12536
BUSHING, Wire.....	1	1626-Y-2	1	1626-Y-2	1	1626-Y-2	1	1626-Y-2
GUARD, Thermostat.....	1	FC-2501-E	1	FC-2501-E	1	FC-2501-E	1	FC-2501-E

DESCRIPTION	AMT.	FC-2522-3	AMT.	FC-2522-1-1-1	AMT.	FC-2522-3-1	AMT.	FC-2522-4
		PART No.		PART No.		PART No.		PART No.
BASE ASSEMBLY, Instrument.....	1	FC-2501-AA	1	FC-2522-1-1-1-AA	1	FC-2522-3-1-AA	1	FC-2522-4-AA
LUG, Terminal.....	4	12229	6	12229	6	12229	5	12229
PANEL ASSEMBLY COMPL., Tube.....	1	2522-3-BB	1	2522-1-1-1-BB	1	2522-3-1-BB	1	2522-4-BB
PANEL SUB-ASSEMBLY, Tube.....	1	2522-3-BB1	1	2522-1-1-1-BB1	1	2522-3-1-BB1	1	2522-4-BB1
LEAD, Tube Panel.....	4	12025	6	12025	6	12025	5	12025
BAR, Bus.....	1	11988	1	12074	1	12074	1	11988 Cut-off
SHIELD, Insulating.....	1	12074	2	11462	2	11980	1	12074
SUPPORT, Tube.....	2	11462	2	11462	2	11980	2	11980
TUBE, Thermostat (State Degrees).....	3	6000	3	6000	4	6000	4	6000
SPOOL, Tube.....	6	11220	6	11220	8	11220	8	11220
SPRING, Upper Suspension.....	2	11929	2	11929	2	11929	2	11929
SPRING, Lower Suspension.....	2	12407	2	12407	2	12407	2	12407
YOKES, Spring.....	2	12536	2	12536	2	12536	2	12536
BUSHING, Wire.....	1	1626-Y-2	1	1626-Y-2	1	1626-Y-2	1	1626-Y-2
GUARD, Thermostat.....	1	FC-2501-E	1	FC-2501-E	1	FC-2501-E	1	FC-2501-E

MULTIPLE TUBE—SPRING SUSPENDED TYPES R-2522 SERIES SEMI-FLUSH TYPE THERMOSTATS

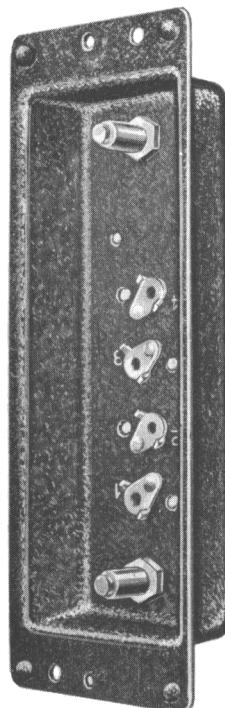
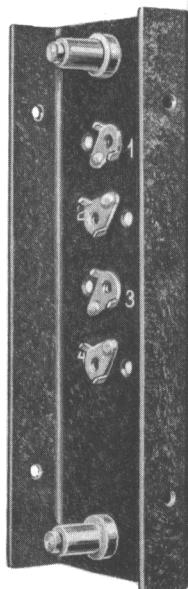
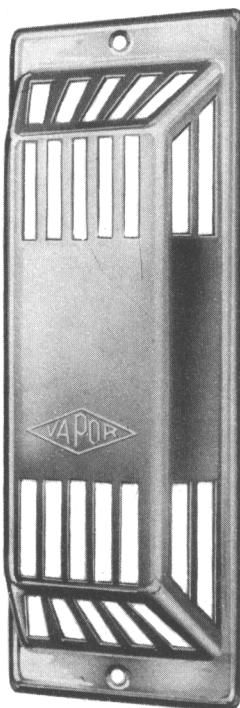
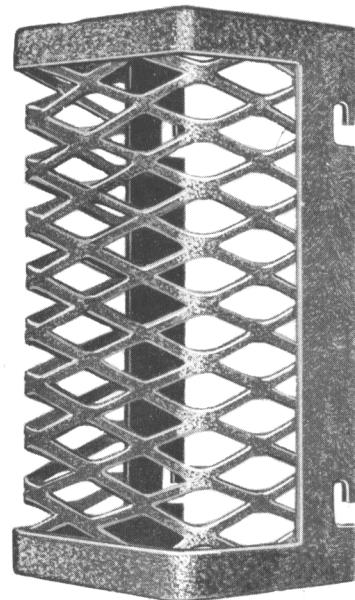
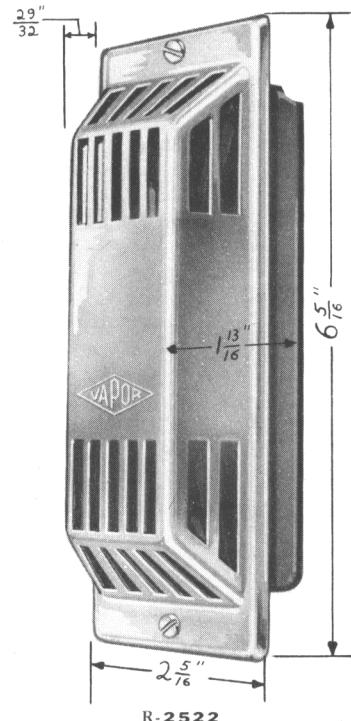
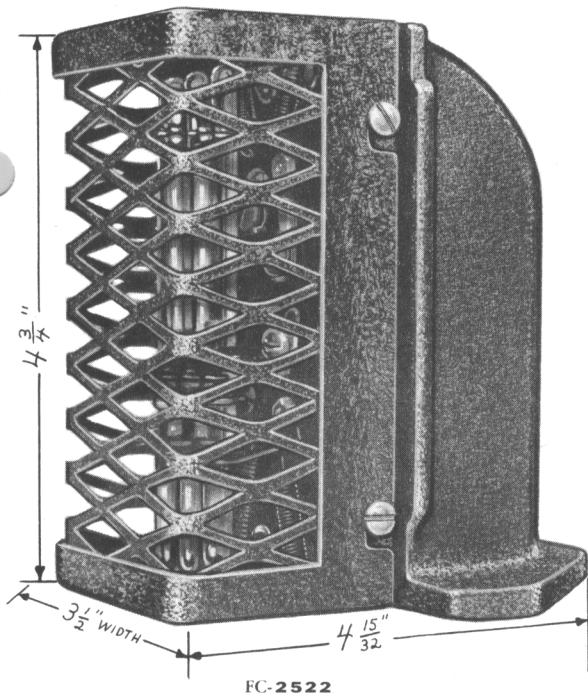
DESCRIPTION	R-2522-1	R-2522-1-1	R-2522-2	R-2522-2-1
	AMT.	PART No.	AMT.	PART No.
BASE ASSEMBLY, Instrument.....	1	R-2522-1-AA	1	R-2501-AA
LUG, Terminal.....	2	12229	4	12229
PANEL ASSEMBLY COMPL., Tube.....	1	2522-1-BB	1	2522-1-1-BB
PANEL SUB-ASSEMBLY, Tube.....	1	2522-1-BB1	1	2522-1-1-BB1
LEAD, Tube Panel.....	2	12025	4	12025
BAR, Bus.....			1	11988 Cut-off
SHIELD, Insulating.....	1	12074	1	12074
SUPPORT, Tube.....	2	11462	2	11462
TUBE, Thermostat (State Degrees).....	1	6000	2	6000
SPOOL, Tube.....	2	11220	4	11220
SPRING, Upper Suspension.....	2	11929	2	11929
SPRING, Lower Suspension.....	2	12407	2	12407
YOKES, Spring.....	2	12536	2	12536
COVER, Thermostat.....	1	R-2501-C	1	R-2501-C

DESCRIPTION	R-2522-3	R-2522-1-1-1	R-2522-3-1	R-2522-4
	AMT.	PART No.	AMT.	PART No.
BASE ASSEMBLY, Instrument.....	1	R-2501-AA	1	R-2522-3-1-AA
LUG, Terminal.....	4	12229	4	12229
PANEL ASSEMBLY COMPL., Tube.....	1	2522-3-BB	1	2522-1-1-1-BB
PANEL SUB-ASSEMBLY, Tube.....	1	2522-3-BB1	1	2522-1-1-1-BB1
LEAD, Tube Panel.....	4	12025	6	12025
BAR, Bus.....	1	11988	1	11988 Cut-off
SHIELD, Insulating.....	1	12074	1	12074
SUPPORT, Tube.....	2	11462	2	11980
TUBE, Thermostat (State Degrees).....	3	6000	3	6000
SPOOL, Tube.....	6	11220	8	11220
SPRING, Upper Suspension.....	2	11929	2	11929
SPRING, Lower Suspension.....	2	12407	2	12407
YOKES, Spring.....	2	12536	2	12536
COVER, Thermostat.....	1	R-2501-C	1	R-2501-C

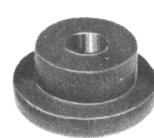
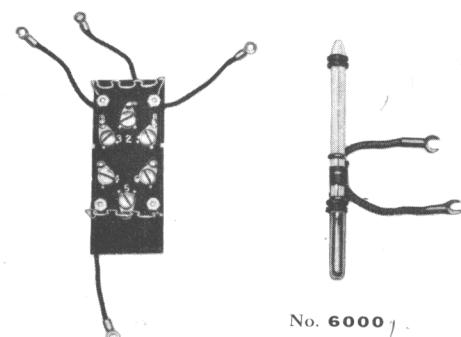
NOTE: FB-2522-3 Thermostat is same as FC-2522-3 except for FB-2522-3-AA Base Assem. and FB-2522-E Thermostat Guard.



VAPOR CAR HEATING CO., Inc.



Thermostats furnished with 1, 2, 3 or 4 Tubes
Single or Double Circuit



11929
&
12407





VAPOR CAR HEATING CO., Inc.



SECTION 8

- REPLACEMENT PARTS
- AUTOMATIC AIR SELECTOR
SWITCHES



VAPOR CAR HEATING CO., Inc.



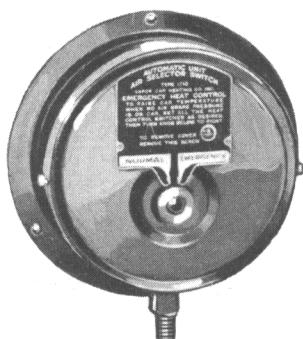
AUTOMATIC AIR SELECTOR SWITCHES

SEPARATE PARTS AND ASSEMBLIES

DESCRIPTION	AMT.	1710	PART No.	AMT.	1711	PART No.	AMT.	1712	PART No.	AMT.	1851	PART No.	AMT.	1853	PART No.
AIR SELECTOR SWITCH															
COMPLETE.....	1	1710		1	1711		1	1712		1	1851		1	1853	
Flanged Case.....	1	1710-A		1	1711-A		1	1712-A		1	1851-A		1	1853-A	
Flanged Case only	1	1710-A1		1	1711-A1		1	1710-A1		1	1710-A1		1	1711-A1	
Cover.....	1	1710-A2		1	1710-A2		1	1712-A2		1	1710-A2		1	1710-A2	
Indicating Plate.....	1	1710-A3		1	1711-A3		1	1712-A3		1	1851-A3		1	1853-A3	
Case Insulator.....	1	1710-A4		1	1710-A4		1	1710-A4		1	1710-A4		1	1710-A4	
Indicating Plate Rivets.....	2	R3234- $\frac{1}{8}$ "		2	R3234- $\frac{1}{8}$ "		2	R3234- $\frac{1}{8}$ "		2	R3234- $\frac{1}{8}$ "		2	R3234- $\frac{1}{8}$ "	
Cover Screw.....	2	1710-A6		2	1710-A6		2	1710-A6		2	1710-A6		2	1710-A6	
Selector Trip Spring Post.....	1	1710-A11		1	1710-A11		1	1710-A11		1	1710-A11		2	1710-A11	
Screws.....	2	8-32x $\frac{1}{4}$ " BH St		2	8-32x $\frac{1}{4}$ " BH St		2	8-32x $\frac{1}{4}$ " BH St		2	8-32x $\frac{1}{4}$ " BH St		2	8-32x $\frac{1}{4}$ " BH St	
Ferrule.....	3	1710-A12					3	1710-A12		3	1710-A12				
Outlet Box.....			1	1711-A7									1	1711-A7	
Outlet Box Cover.....			1	1711-A8									1	1711-A8	
Outlet Box Cover Screws.....			2	$\frac{3}{16}$ "x8-32 RH St									2	$\frac{3}{16}$ "x8-32 RH St	
Outlet Box Anchor Rivets.....			3	R3232- $\frac{3}{16}$ "									3	R3232- $\frac{3}{16}$ "	
BOURDON TUBE.....	1	1710-B		1	1711-B		1	1710-B		1	1710-B		1	1711-B	
Bourdon Tube Anchor Screws.....	2	$\frac{1}{2}$ x $\frac{1}{4}$ "-20 RH St		2	$\frac{1}{2}$ x $\frac{1}{4}$ "-20 RH St		2	$\frac{1}{2}$ x $\frac{1}{4}$ "-20 RH St		2	$\frac{1}{2}$ x $\frac{1}{4}$ "-20 RH St		2	$\frac{1}{2}$ x $\frac{1}{4}$ "-20 RH St	
DROP LATCH MOVEMENT															
COMPLETE.....	1	1710-C		1	1710-C		1	1710-C		1	1710-C		1	1710-C	
Drop Latch Move't Anchor Screw...2	2	$\frac{1}{4}$ "x8-32 BH St		2	$\frac{1}{4}$ "x8-32 BH St		2	$\frac{1}{4}$ "x8-32 BH St		2	$\frac{1}{4}$ "x8-32 BH St		2	$\frac{1}{4}$ "x8-32 BH St	
ADJUSTABLE CONNECTING BAR															
COMPLETE.....	1	1851-DD		1	1851-DD		1	1851-DD		1	1851-DD		1	1851-DD	
Adjustable Connecting Bar Wrench.1	1	1851-D1		1	1851-D1		1	1851-D1		1	1851-D1		1	1851-D1	
Screw {Latch}.....	1	1851-D2		1	1851-D2		1	1851-D2		1	1851-D2		1	1851-D2	
Washer.....	1	1851-D3		1	1851-D3		1	1851-D3		1	1851-D3		1	1851-D3	
Nut.....	1	1851-D4		1	1851-D4		1	1851-D4		1	1851-D4		1	1851-D4	
Screw {Tube}.....	1	1851-DS		1	1851-DS		1	1851-DS		1	1851-DS		1	1851-DS	
SELECTOR KNOB COMPLETE.....	1	1710-E		1	1710-E		1	1710-E		1	1710-E		1	1710-E	
Knob Anchor Screw.....	1	1710-E5		1	1710-E5		1	1710-E5		1	1710-E5		1	1710-E5	
Knob Anchor Screw Washer.....	1	No. 8- $\frac{3}{8}$ " OD		1	No. 8- $\frac{3}{8}$ " OD		1	No. 8- $\frac{3}{8}$ " OD		1	No. 8- $\frac{3}{8}$ " OD		1	No. 8- $\frac{3}{8}$ " OD	
CONTACTOR.....	1	1710-F		1	1710-F		1	1710-F		1	1710-F		1	1710-F	
Anchor Screw.....	1	$\frac{1}{4}$ "x8-32 BH St		1	$\frac{1}{4}$ "x8-32 BH St		1	$\frac{1}{4}$ "x8-32 BH St		1	$\frac{1}{4}$ "x8-32 BH St		1	$\frac{1}{4}$ "x8-32 BH St	
BRUSH BASE.....	1	1710-G		1	1710-G		1	1712-G		1	1851-G		1	1851-G	
Terminal Screws.....	3	$\frac{1}{4}$ "x6-32 BH Br		3	$\frac{1}{4}$ "x6-32 BH Br		3	$\frac{1}{4}$ "x6-32 BH Br		2	$\frac{1}{4}$ "x6-32 BH Br		2	$\frac{1}{4}$ "x6-32 BH Br	
Anchor Screws.....	2	$\frac{3}{8}$ "x6-32 RH St		2	$\frac{3}{8}$ "x6-32 RH St		2	$\frac{3}{8}$ "x6-32 RH St		2	$\frac{3}{8}$ "x6-32 RH St		2	$\frac{3}{8}$ "x6-32 RH St	
SELECTOR TRIP SPRING.....	1	1710-E8		1	1710-E8		1	1710-E8		1	1710-E8		1	1710-E8	
FLEXIBLE CONNECTOR.....	1	1855		1	1855		1	1855		1	1855		1	1855	



VAPOR CAR HEATING CO., Inc.



1710 or 1851



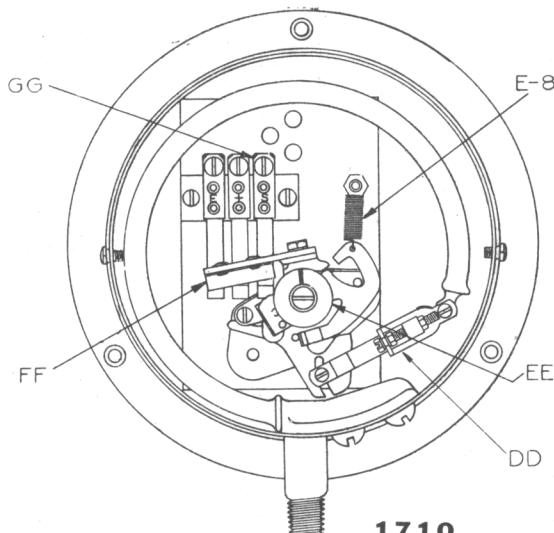
1711 or 1853



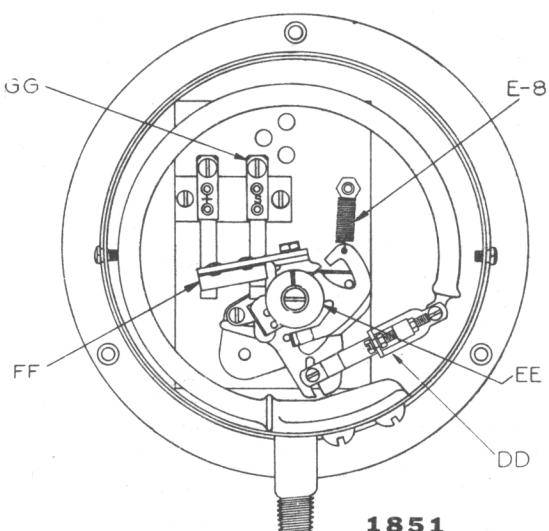
1710-B



1711-B



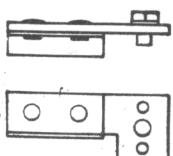
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1851

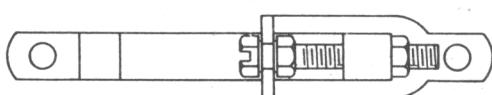


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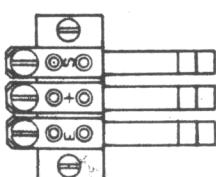


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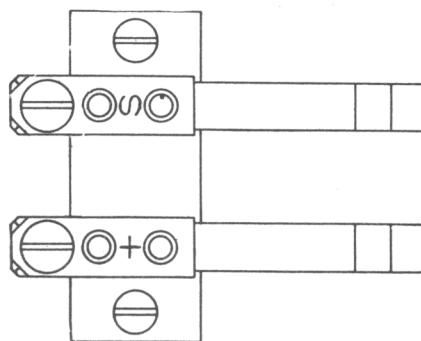
1855



1851-DD

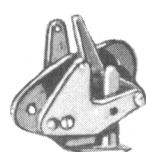


1710-GG



1851-GG

1851-D-1



1710-C



VAPOR CAR HEATING CO., Inc.



SECTION 9

- REPLACEMENT PARTS
- MAGNETIC CUT-OUT VALVES



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—MAGNETIC CUT-OUT VALVES

DESCRIPTION	AMT.	PART No.	DESCRIPTION	AMT.	PART No.	DESCRIPTION	AMT.	PART No.	DESCRIPTION	AMT.	PART No.
STEAM PORTION COMPLETE..	1	1620-1AA	1620-2	1	1620-2AA	1621-1	1	1621-1AA	1621-2	1	1621-2AA
Valve Body.....	1	1620-1A	1620-2A	1	1620-2A	1621-1A	1	1621-1A	1621-2A	1	1621-2A
Water Seal Plug.....	1	1/8" Brass	1/8" Brass								
		Pipe Plug				Pipe Plug					

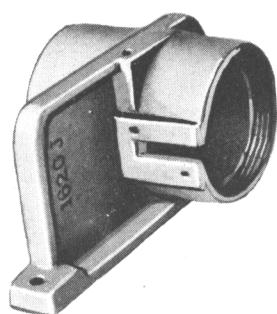
Remaining parts are identical for all types of valves.

DESCRIPTION	AMT.	PART No.
Body Plug.....	2	785-1"
Valve Wing.....	1	1620-B
Valve Stem.....	1	1620-BB11
Valve Stem Cap Screw.....	1	5/8"x1/4"-20 Hex.H
Valve Stem Lock Washer.....	1	1620-B3
Bonnet.....	1	1620-C
Bonnet Lock.....	1	1620-C1
Bonnet Locking Screw.....	1	5/8"x10-24 FH St
Bonnet Lock Washer.....	1	1414-Shakeproof
Stuffing Nut.....	1	1620-D
PACKING ASSEMBLY COMPLETE.....	1	1620-DD
Packing Ring.....	2	1620-D1
Packing Spring.....	1	1620-D2
Packing Washer.....	2	1620-D3
TERMINAL BLOCK COMPLETE.....	1	1620-EES
Terminal Block.....	1	1620-E5
Terminal Block Plate.....	1	1620-E6
Terminal Block Screw.....	2	13/4"x14-20 FH St
VALVE HANDLE COMPLETE.....	1	1620-FF1
Valve Handle.....	1	1620-F
Clamping Screw.....	1	1/2"x14-20 FH St
Clamping Screw Lock Washer.....	1	1/4"x1 1/16"x1 1/16"
HANDLE COMPENSATOR COMPLETE..	1	1620-FF-16
Compensator Adjusting Screw.....	1	5/16"x1/4"-20 Hex.H
		Cap
Compensator Lock Washer.....	1	1414-Shakeproof
L. H. SOLENOID CASING COMPLETE.....	1	1620-HH1
L. H. Solenoid Casing only.....	1	1620-H
Solenoid Cap.....	1	1620-K
Solenoid Coil.....	1	1620-MM11
L. H. CONNECTOR BLOCK COMPLETE..	1	1620-ZZ
L. H. Connector Block only.....	1	1620-Z
Block Protector.....	1	1620-X1
Contact Connector—short.....	1	1620-X2
Contact Connector—long.....	1	1620-X3
Contact Connector Screw.....	2	5/16"x8-32 BH St
Contact Connector Washer.....	2	1208-Shakeproof
Block Anchor Screw.....	2	3/4"x6-32 RH St
Terminal Stamped "OFF".....	1	1620-Z7

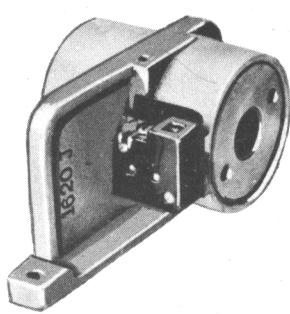
DESCRIPTION	AMT.	PART No.
R. H. SOLENOID CASING COMPLETE.....	1	1620-JJ1
R. H. Solenoid Casing only.....	1	1620-J
Solenoid Cap.....	1	1620-K
Solenoid Coil.....	1	1620-MM11
R. H. CONNECTOR BLOCK COMPLETE..	1	1620-XX
R. H. Connector Block only.....	1	1620-X
Block Protector.....	1	1620-X1
Contact Connector—Short.....	1	1620-X2
Contact Connector—long.....	1	1620-X3
Contact Connector Screw.....	2	5/16"x8-32 BH St
Contact Connector Washer.....	2	1208-Shakeproof
Block Anchor Screw.....	2	3/4"x6-32 RH St
Terminal stamped "ON".....	1	1620-X7
SOLENOID PLUNGER COMPLETE.....	1	1620-LL
Plunger Shock Washer.....	2	1620-L1
VALVE SWITCH COMPLETE.....	1	1620-S
Switch Base.....	1	1620-S1
L. H. Contact Bracket and Contact.....	1	1620-SS2
Bracket Contact.....	1	1620-S29
R. H. Contact Bracket and Contact.....	1	1620-SS3
Bracket Contact.....	1	1620-S29
Bracket Anchor Screw.....	4	1/4"x6-32 FH Br
BEARING HOUSING COMPLETE.....	1	1620-SS6
Bearing Housing Anchor Screw.....	2	5/8"x6-32 RH St
TRIP LEVER ASSEMBLY.....	1	1620-SS10
Neutral Bus Bar	1	1620-S19
Neutral Contact Connector.....	1	1620-S20
Neutral Terminal.....	1	1620-S24
Switch Cover.....	1	1620-S23
Movable Contact.....	1	1620-SS17
Movable Contact Carrier.....	1	1620-SS28
Movable Contact Point.....	2	1620-S18
Movable Contact Bracket only.....	1	1620-S17
Tripping Plate Spring.....	1	1620-S15
Trip Lever Bearing Pin.....	2	1620-S11
VALVE COVER COMPLETE.....	1	1620-GG
(furnished with or without dust guard)		
Name Plate.....	1	1620-T
Name Plate Rivet.....	2	R-3232-1/8"



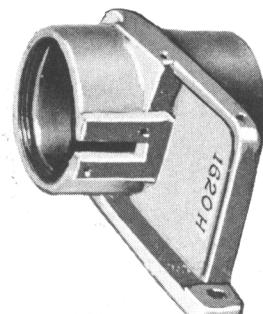
VAPOR CAR HEATING CO., Inc.



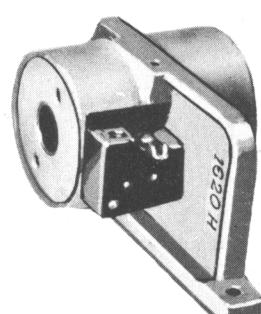
1620-J



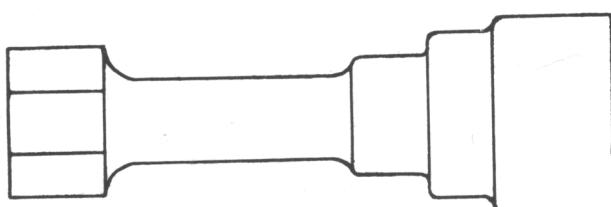
1620-JJ1



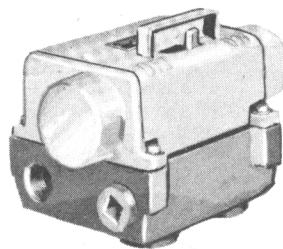
1620-H



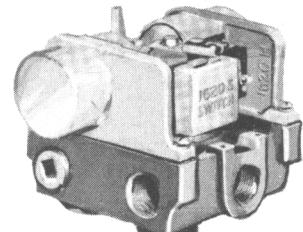
1620-HH1



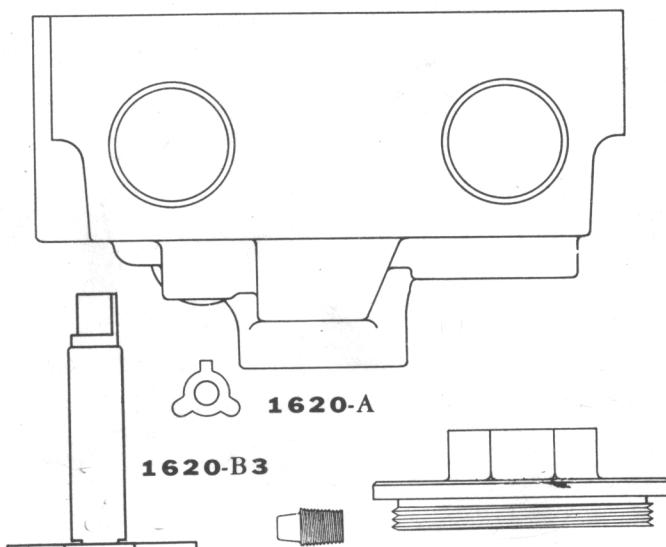
1620-C5



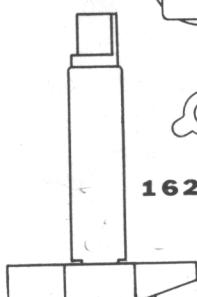
1620-VALVE
(Front View)



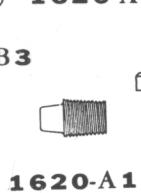
1620-VALVE
(Rear View, Less Cover)



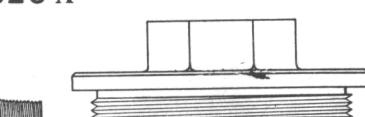
1620-A



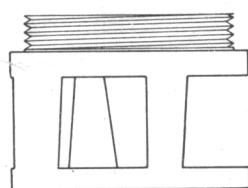
1620-BB11



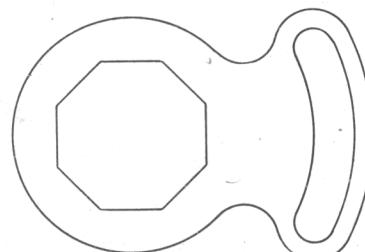
1620-A1



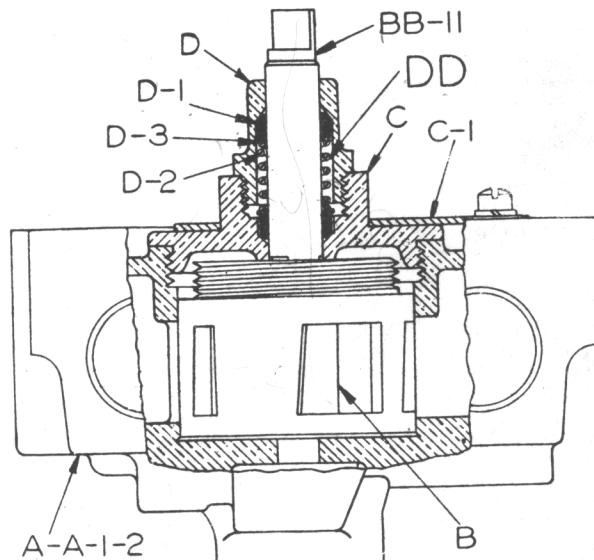
1620-C



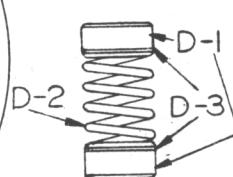
1620-B



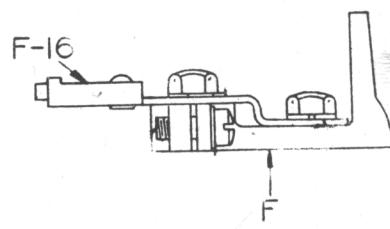
1620-C1



1620-AA1



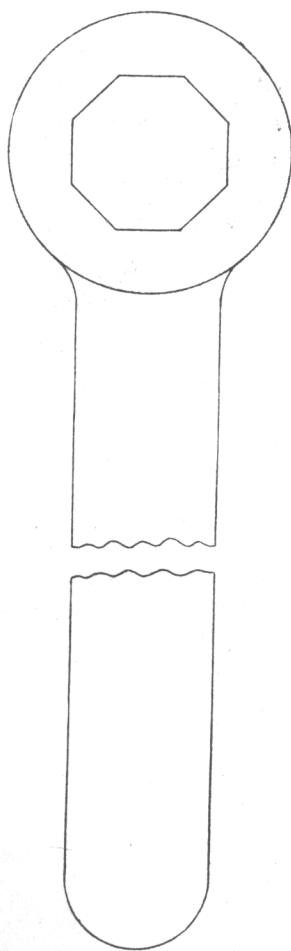
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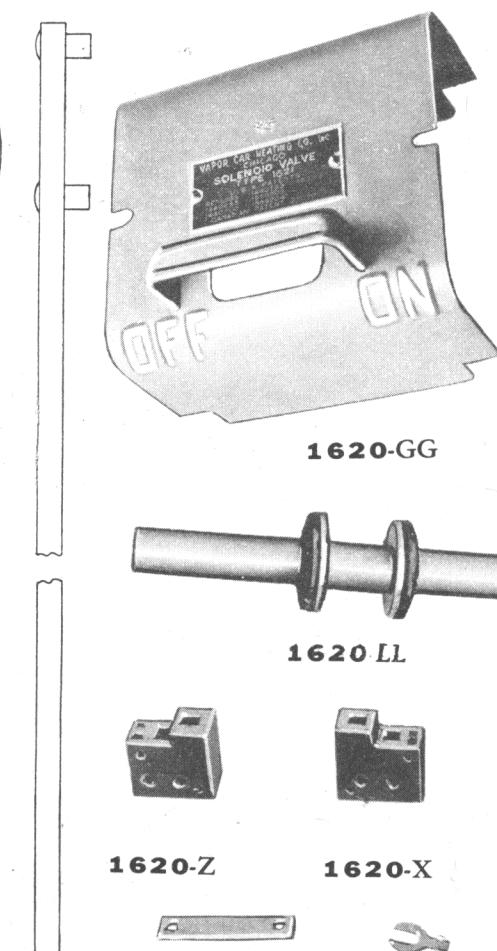
1620-FF1



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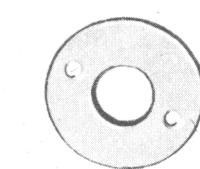


1620-C4

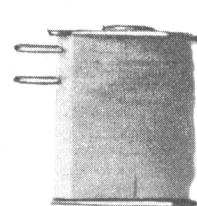


1620-K1

1620-GG



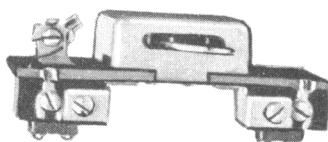
1620-K



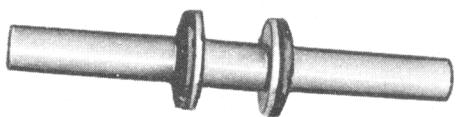
1620-MM 11



1620-L1



1620-SS 1



1620-LL



1620-XX



1620-ZZ



1620-Z



1620-X



1620-X1



1620-X3



1620-E5



1620-E6



1620-S24



1620-X7



1620-Z7



1620-SS2



1620-FF 16



1620-SS 3



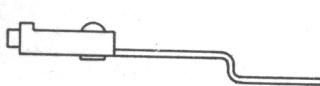
1620-SS 6



1620-SS 11



1620-S15 1620-SS 17



1620-SS 10



1620-SS 28



1620-S17



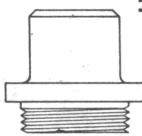
1620-S19



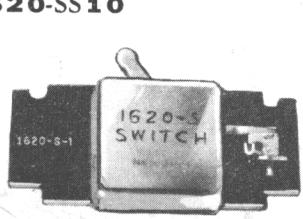
1620-S20



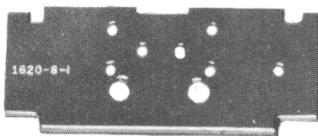
1620-D2



1620-D



1620-S



1620-S 1



1620-S 23



VAPOR CAR HEATING CO., Inc.



Supplement to Section 9 Catalog 53

March 1937

REPLACEMENT PARTS—VALVE LIMIT SWITCHES Nos. 1619-S & 1623-S

The new moistureproof valve limit switches are now furnished on all Vapor Magnetic Cutout valves. No. 1619-S switch is used on No. 1619, 1620 and 1621 valves and No. 1623-S switch is used on No. 1623 and 1624 valves.

The two switches are identical except the 1623-S switch is provided with an additional terminal connector to allow for connection to the condensers which are used on valves 1623 and 1624.

These switches are interchangeable with the 1620-S switches formerly furnished and can be applied to valves in service without additional parts or changes in valves.

No. 1619-S switch will be furnished on all orders for 1620-S switches.

Repair parts for 1619-S switches should be ordered as shown in list of parts below.

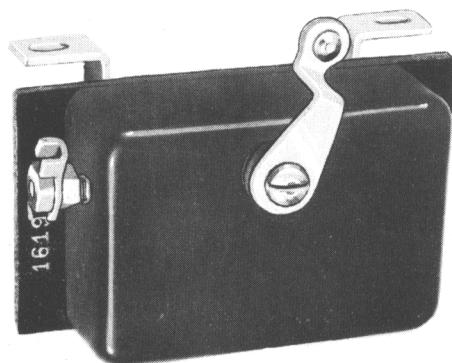
REPLACEMENT PARTS		
DESCRIPTION	AMT.	PART No.
SWITCH BASE ASSEMBLY.....	1	1619-SS-1
Switch Base Only.....	1	1619-S-1
L. H. Contact Bracket with Contact.....	1	1619-SS-2
R. H. Contact Bracket with Contact.....	1	1619-SS-3
R. H. Mounting Bracket.....	1	1619-S-26
L. H. Mounting Bracket.....	1	1619-S-27
Bracket Anchor Screw.....	4	No. 6-32x1/4" BH
SWITCH MECHANISM COMPLETE.....	1	1619-SS-106
BEARING HOUSING COMPLETE.....	1	1619-SS-6
Main Bearing.....	1	1619-S-21
Bearing Pin.....	2	1620-S-11
Spacer.....	1	1619-S-31
Spring Cotter.....	1	1619-S-35
Trip Lever.....	1	1619-S-10
Trip Plate.....	1	1620-S-114
Trip Plate Spring.....	1	1620-S-15
Movable Contact Bracket.....	1	1620-S-117
MOVABLE CONTACT CARRIER.....	1	1620-SS-128
Felt Washer.....	1	1619-S-34
BUSS BAR COMPLETE.....	1	1619-SS-20
Terminal Nut.....	2	No. 8-32 Hex.
Cover Gasket.....	1	1619-S-30
Switch Cover.....	1	1619-S-23
Switch Cover Screw.....	4	No. 6-32x1/4" BH
SWITCH HANDLE COMPLETE.....	1	1619-SS-16
Switch Handle Screw.....	1	No. 8-32x1/4" BH
*NEUTRAL TERMINAL CONNECTOR.....	1	12069
Terminal Screw.....	2	No. 8-32x1/4" BH

NOTE—Neutral Terminal Connector used on 1623-S Switch only, which is the only difference between 1619-S and 1623-S.

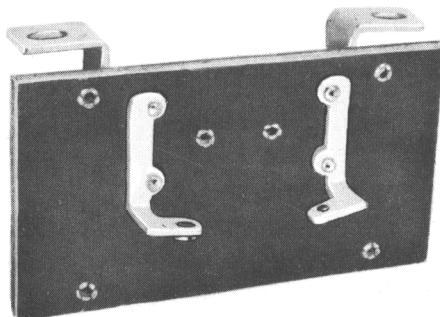
(See other side for illustrations of parts)



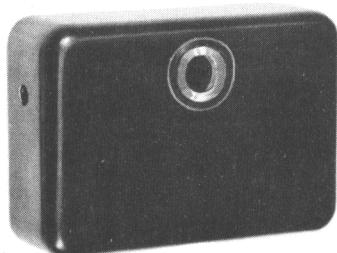
VAPOR CAR HEATING CO., Inc.



1619-S



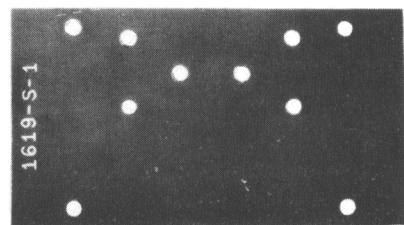
1619-SS-1



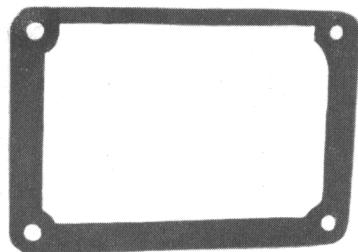
1619-S-23



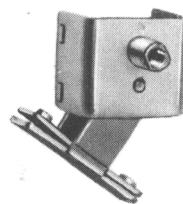
1619-SS-16



1619-S-1



1619-S-30



1619-SS-106



1620-S-117



1619-S-21



1619-S-34



1620-SS-128



1619-S-10



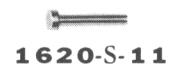
1619-S-35



1619-SS-20



1619-SS-6



1620-S-11



1619-S-31



1620-S-114



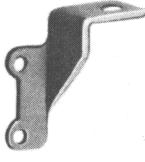
1619-S-27



1619-SS-2



1619-SS-3



1619-S-26



1620-S-15



12069



VAPOR CAR HEATING CO., Inc.



SECTION 10

- REPLACEMENT PARTS
- HEAT GENERATING UNITS



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—HEAT GENERATING UNITS

DESCRIPTION	AMT.	4800	AMT.	4801
PART No.		PART No.		PART No.
COMBUSTION CHAMBER COMPLETE.....	1	4800-AA	1	4801-AA
Peep Door Glass.....	1	4800-A15	1	4800-A15
Refractory Insulation.....	1	4800-A25	1	4800-A25
Refractory Brick.....	1	4800-A24	1	4800-A24
Refractory Cement.....		Order by pound		Order by pound
Stove Cement.....		Order by pound		Order by pound
FIN RADIATOR COMPLETE.....	1	4800-BB	1	4801-BB
SMOKE HOOD COMPLETE.....	1	4800-CC	1	4801-CC
OIL BURNER COMPLETE.....	1	4800-DD	1	4800-DD
Motor complete.....	1	4800-DAA	1	4801-DAA
Motor Brush.....	1	4800-DA20	1	4800-DA20
Fan Rotor.....	1	4800-DBB	1	4800-DBB
Pump complete	1	4800-DCC	1	4800-DCC
Transformer complete.....	1	4800-DEE	1	4800-DEE
Flexible Coupling complete.....	1	4800-DFF	1	4800-DFF
Flexible Coupling Leather Spider.....	1	4800-DF3	1	4800-DF3
Nozzle complete.....	1	4800-DGG	1	4800-DGG
ELECTRODE COMPLETE.....	1	4800-DHH	1	4800-DHH
Porcelain Insulator.....	2	4800-DH1	2	4800-DH1
Nichrome Electrode.....	2	4800-DH2	2	4800-DH2
Duplex Oil Valve complete.....	1	4800-DJJ	1	4800-DJJ
Air Deflector.....	1	4800-DKK	1	4800-DKK
Pressure Gauge.....	1	4800-DLL	1	4800-DLL
Vacuum Gauge.....	1	4800-DMM	1	4800-DMM
Oil Strainer {Cuno Type-TS}.....	1	4800-DNN	1	4800-DNN
Circuit Breaker.....	1	4800-DPP	1	4800-DPP
DRAFT ADJUSTER VANE COMPLETE.....	1	4800-E1	1	4801-E1
STACK SWITCH COMPLETE {"SAFTROL"}..	1	4800-FF655	1	4800-FF655
STACK SWITCH COMPLETE {"SAFTROL"}..	1	4800-FF-JSC		

NOTE—Specify voltage and whether D. C. or single, or 3-phase A. C. when ordering any electrical parts.



VAPOR CAR HEATING CO., Inc.



SECTION 11

- REPLACEMENT PARTS
 - ELECTRIC MOTORIZED VANE
-



VAPOR CAR HEATING CO., Inc.



REPLACEMENT PARTS—ELECTRIC MOTORIZED VANE

DESCRIPTION	AMT.	1791	AMT.	1792	AMT.	1793
		PART No.		PART No.		PART No.
MOTOR UNIT COMPLETE.....	1	1791-AA	1	1792-AA	1	1793-AA
MOTOR COMPLETE.....	1	1791-20	1	1792-20	1	1793-20
Motor Brushes.....	2	1790-B20	2	1790-B20	2	1790-B20
Connecting Rod.....	1	1791-1	1	1791-1	1	1791-1
Connecting Rod Bearing.....	1	1791-2	1	1791-2	1	1791-2
Connecting Rod Bearing Screw....	2	5/8"x10-24 RH St	2	5/8"x10-24 RH St	2	5/8"x10-24 RH St
Vane Cam.....	1	1791-4	1	1791-4	1	1791-4
Vane Cam Set Screw.....	1	1/4x9/16"	1	1/4x9/16"	1	1/4x9/16"
Vane Cam Key.....	1	1791-36	1	1791-36	1	1791-36
Switch Cam.....	1	1790-35	1	1790-35	1	1790-35
Switch Cam Set Screw.....	1	1/4x1/4"	1	1/4x1/4"	1	1/4x1/4"
Shaft Bearing.....	1	1791-37	1	1791-37	1	1791-37
Motor Mounting Screws.....	2	5/8x1/4"-20 RH St	2	5/8x1/4"-20 RH St	2	5/8x1/4"-20 RH St
Motor Mounting Block.....	1	1791-40				
Lock Washers.....	2	1414- Shakeproof	2	1414- Shakeproof	2	1414- Shakeproof
SWITCH BASE COMPLETE.....	1	1791-BB	1	1792-BB	1	1792-BB
Switch Base Assembly.....	1	1791-B10	1	1791-B9	1	1791-B9
Contact Breaker Arm Complete....	2	1790-CC	2	1790-CC	2	1790-CC
Contact Spring.....	1	1790-18	1	1790-18	1	1790-18
Contact Pin	1	1790-19	1	1790-19	1	1790-19
Adjustable Contact Post.....	2	1790-127	2	1790-127	2	1790-127
Adjustable Contact Post Nut.....	2	1772-35	2	1772-35	2	1772-35
Mounting Screws.....	3	1/2"x10-24 RH St	3	1/2"x10-24 RH St	3	1/2"x10-24 RH St
MOTOR BASE.....	1	1791-CC	1	1791-CC	1	1791-CC
Base Only.....	1	1791-21	1	1791-21	1	1791-21
Switch Base Support.....	1	1791-42	1	1791-43	1	1791-43
Cover Anchor Post.....	1	1791-45	1	1791-45	1	1791-45
Cover Anchor Screw.....	1	1791-23	1	1791-23	1	1791-23
MOTOR COVER.....	1	1791-22	1	1792-22	1	1793-22
Name Plate.....	1	1791-24	1	1791-24	1	1791-24

NOTE—Motorized Vanes are manufactured for either right-hand or left-hand operation—i. e.:

No. **1791** Motorized Vane—right-hand operation.

No. **1792** Motorized Vane—left-hand operation.

No. **1793** Motorized Vane—left-hand operation with motor inverted.



VAPOR CAR HEATING CO., Inc.



SECTION 12

- REPLACEMENT PARTS
- ELECTRIC MOTOR VALVES



VAPOR CAR HEATING CO., Inc.

REPLACEMENT PARTS
ELECTRIC MOTOR VALVE

DESCRIPTION	AMT.	PART NO.
STEAM PORTION COMPLETE.....	1	1790-AA
Valve Body.....	1	1790-1
Bottom Cap.....	1	1790-2
BONNET COMPLETE.....	1	1790-3AA
Bonnet only.....	1	1790-3
Split Rings.....	2	1790-5
Split Ring Screws.....	6	1/4"x6-32FH St
Bellows.....	1	1790-4
Operating Rod.....	1	1790-7
Valve.....	1	234-16
Valve Spring.....	1	234-21
SWITCH BASE COMPLETE.....	1	1790-BB-10
SWITCH BASE ASSEMBLY.....	1	1790-B10
CONTACT BREAKER ARM COMPLETE.....	2	1790-CC
Contact Spring.....	1	1790-18
Contact Pin.....	1	1790-19
ADJUSTABLE CONTACT POST.....	2	1790-127
Adjustable Contact Post Nut.....	2	1772-35
Mounting Screws.....	2	3/4"x10-24 RH St
Nuts.....	2	3/8"x10-24 St
Washers.....	2	No. 10x7/16"
MOTOR UNIT COMPLETE.....	1	1790-DD
MOTOR COMPLETE.....	1	1790-20
Motor Brushes.....	2	1790-B20
Valve Cam.....	1	10723
Valve Cam Key.....	1	10724
Brush Cam.....	1	10725
Brush Cam Lock Screw.....	1	10726
Cam Spacer Bushing.....	1	10727
Shaft Bearing Plate.....	1	1790-38
Motor Mounting Screws.....	2	5/8"x1/4"-20 RH St
Lock Washers.....	2	1414-Shakeproof
Screws.....	2	3/4"x10-24 RH St
Nuts.....	2	3/8"x10-24 St
Washers.....	2	No. 10x7/16"
MOTOR VALVE SUPPORT.....	1	1790-21
MOTOR VALVE COVER.....	1	1790-22
Name Plate.....	1	1790-24
Cover Anchor Screw.....	1	1790-23



VAPOR CAR HEATING CO., Inc.



1790-7



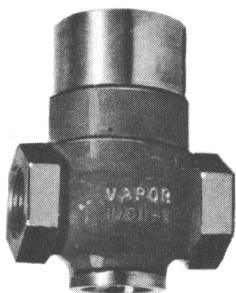
1790-3AA



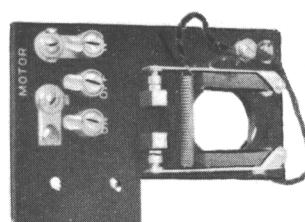
1790-4



1790-3 & 5



1790-1



1790-BB-10



1790-35



1790-CC



234-16



234-21



1790-2



1790-38



1790-18



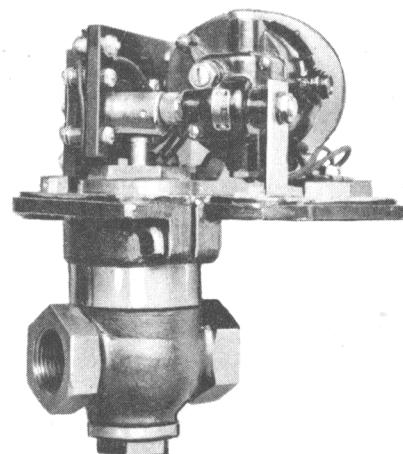
10724



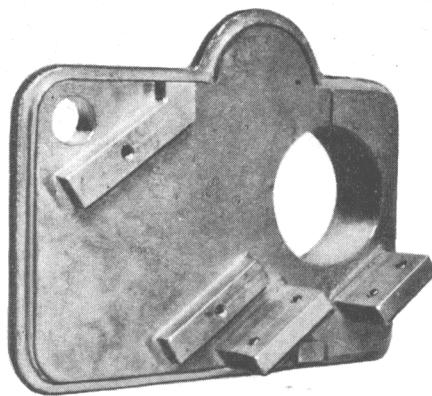
1790-127



VAPOR CAR HEATING CO., Inc.



1790—ELECTRIC MOTOR VALVE

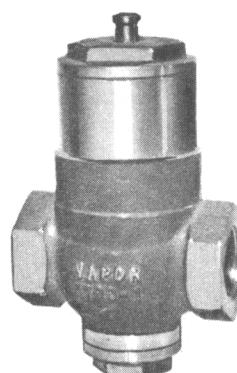


1790-22

1790-21



1790-20



1790-AA



VAPOR CAR HEATING CO., Inc.



SECTION 13

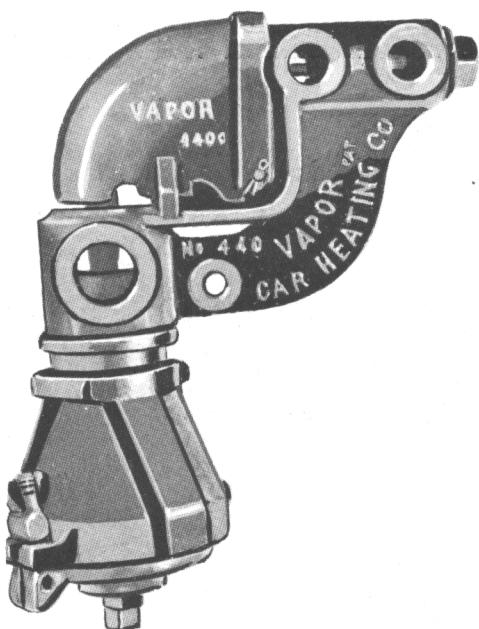
- REPLACEMENT PARTS
- VAPOR REGULATORS

VAPOR REGULATORS

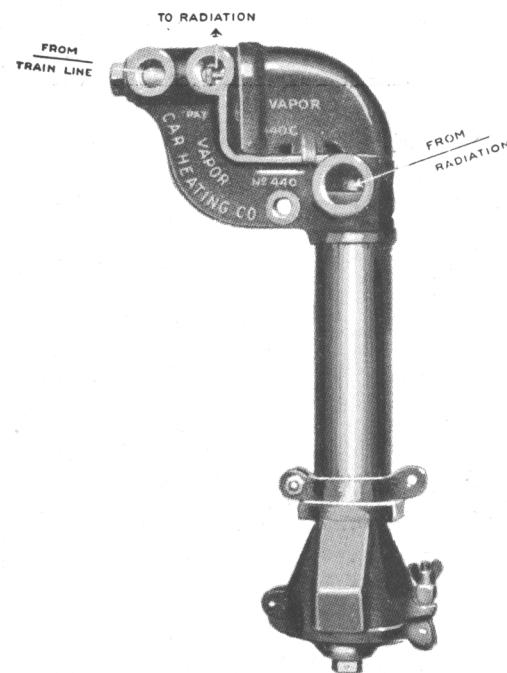
DESCRIPTION	AMT.	425 PART No.	440 PART No.
Body.....	1	440-A	440-A
Cap.....	1	440-B	440-B
Shield.....	1	440-C	440-C
Strainer.....	1	440-D	440-D
Diaphragm.....	1	440-E	440-E
Operating Rod.....	1	425-G	440-G
Deflector Ring.....	1	440-G5	440-G5
LOWER LEVER PIN AND COTTER.....	1	440-I	440-I
Cotter Pin.....	1	$\frac{1}{8} \times \frac{5}{8}$ " Br	$\frac{1}{8} \times \frac{5}{8}$ " Br
LOWER CASING COMPLETE.....	1	440-JJ	440-JJ
Lower Casing only.....	1	440-J	440-J
HINGE PIN AND COTTER.....	1	440-K3	440-K3
Cotter Pin.....	1	$\frac{1}{8} \times \frac{5}{8}$ " Br	$\frac{1}{8} \times \frac{5}{8}$ " Br
HINGED COVER COMPLETE.....	1	440-KK5	440-KK5
HINGED COVER WITH BUSH- ING AND HOOKS.....	1	440-K5	440-K5
Cover Bushing.....	1	440-K1	440-K1
Cover Bushing Pin.....	1	440-K2	440-K2
Diaphragm Hook.....	3	440-L	440-L
ADJUSTING SCREW COMPLETE.....	1	440-FF	440-FF
Adjusting Screw only.....	1	440-F	440-F
Diaphragm Plate.....	1	440-M	440-M
Locknut.....	1	440-U	440-U
COVER LOCK COMPLETE.....	1	440-HH	440-HH
Rider.....	1	440-H1	440-H1
Link and Thumb Nut.....	1	440-H2 & H3	440-H2 & H3
COVER LOCK PIN AND COTTER.....	1	440-H4	440-H4
Cotter Pin.....	1	$\frac{1}{16} \times \frac{5}{8}$ " Br	$\frac{1}{16} \times \frac{5}{8}$ " Br
CLAMP WITH BOLT.....			
Bolt.....			$\frac{7}{16} \times 2\frac{1}{2}$ " Sq. Hd.
DISC WITH GASKET.....	1	440-N	440-N
Disc Gasket.....	1	440-N1	440-N1
VALVE, STEM AND BONNET COMPLETE.....	1	440-PP	440-PP
BONNET COMPLETE.....	1	440-QQ	440-QQ
Bonnet only.....	1	440-Q	440-Q
Stuffing Box.....	1	440-O	440-O
Dust Protector.....	1	440-Z	440-Z
Packing Ring.....	1	440-Z1	440-Z1
VALVE AND STEM COMPLETE...1		440-SS	440-SS
VALVE STEM WITH WASHER, PIN, COTTER.....	1	440-P	440-P
Washer.....	1	440-P1	440-P1
UPPER LEVER PIN AND COTTER.....	1	440-I1	440-I1
Cotter Pin.....	1	$\frac{1}{8} \times \frac{5}{8}$ " Br	$\frac{1}{8} \times \frac{5}{8}$ " Br
Valve only.....	1	440-S	440-S
Valve Retaining Ring.....	1	440-V	440-V
Disc Holder.....	1	440-R	440-R
Inside Tube.....	1	425-T	440-T
Outside Tube.....	1	425-T1	440-T1
Lever.....	1	440-W	440-W
FULCRUM PIN AND COTTER.....	1	440-X	440-X
Cotter Pin.....	1	$\frac{1}{8} \times \frac{5}{8}$ " Br	$\frac{1}{8} \times \frac{5}{8}$ " Br
SHIELD BOLT AND COTTERS.....	1	440-Y	440-Y
Cotter Pin.....	2	$\frac{1}{8} \times \frac{3}{4}$ " Br	$\frac{1}{8} \times \frac{3}{4}$ " Br



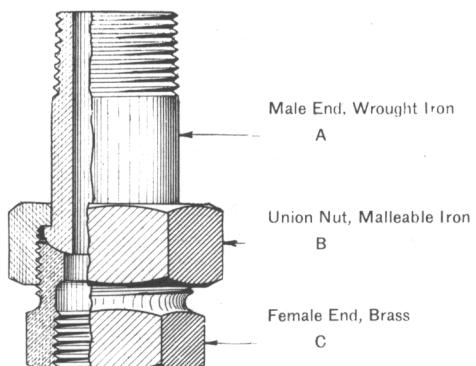
VAPOR CAR HEATING CO., Inc.



No. 425 Short Style Regulator

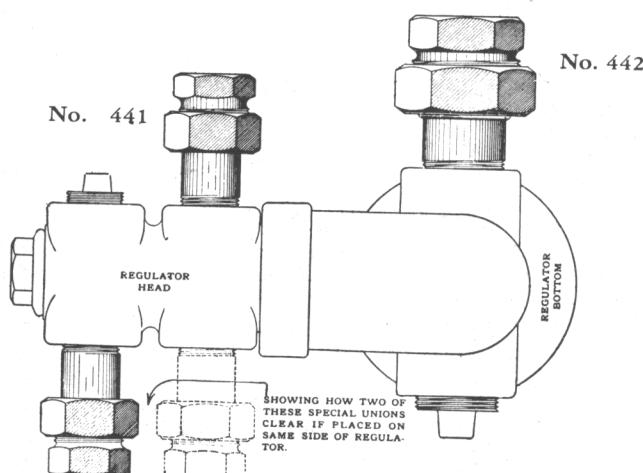


No. 440 Vapor Regulator



No. 441—1-Inch Union

No. 442—1½-Inch Union



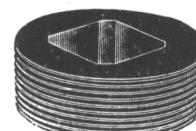
Note—Two No. 441 1-inch, and one No. 442 2-inch Unions required for each Regulator



No. 234—16—Main Valve



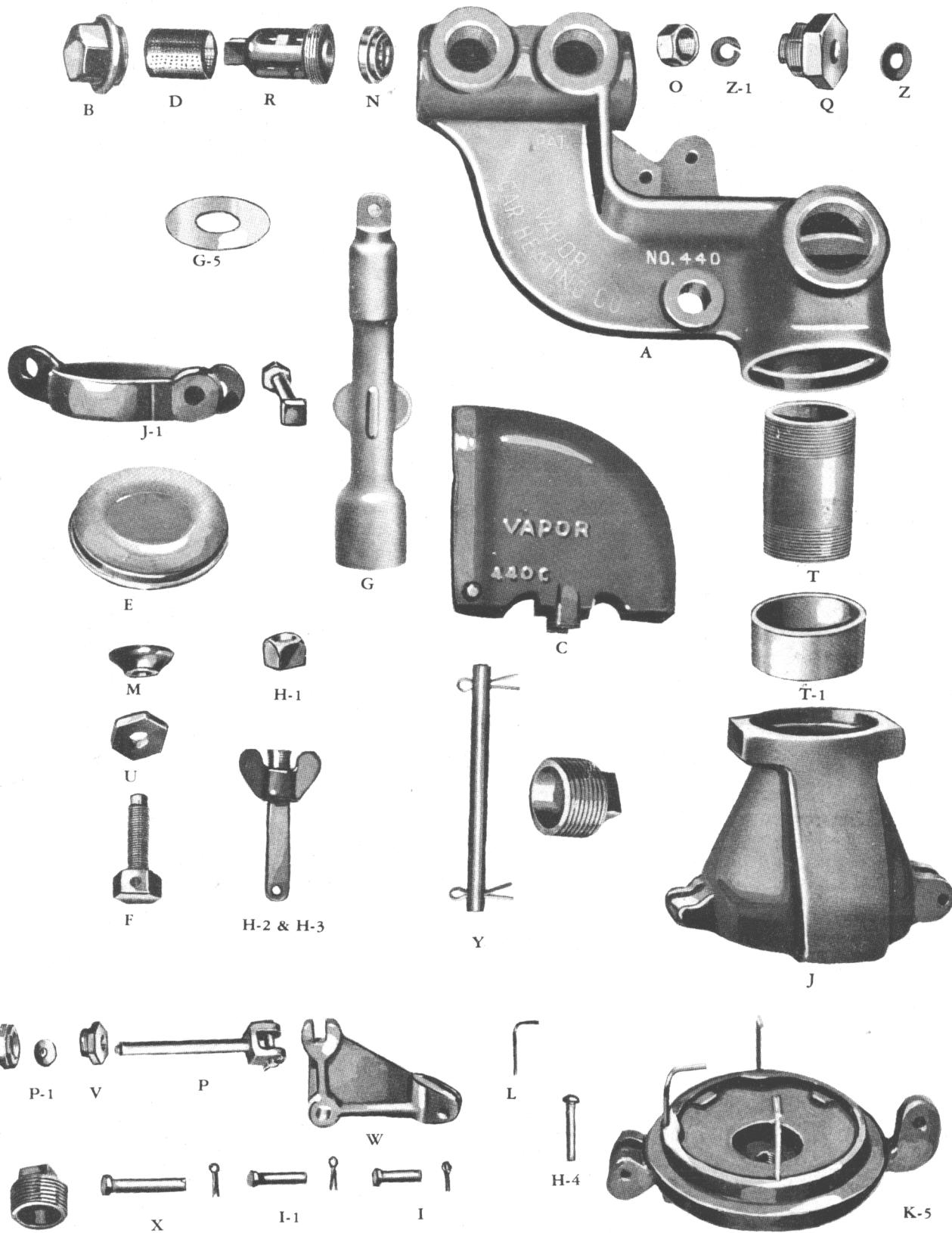
No. 234—21—Main Valve Spring



No. 785—Plugs, M. I., Countersunk



VAPOR CAR HEATING CO., Inc.





VAPOR CAR HEATING CO., Inc.



SECTION 14

- NUMERICAL LIST OF PARTS

NUMERICAL LIST OF REPLACEMENT PARTS FOR AIR CONDITIONING CONTROL DEVICES

PART No.	DESCRIPTION	DEVICES USING THIS PART
234-16	Main valve.....	234, 1790
234-21	Main valve spring.....	234, 1790
425	Vapor regulator, less unions.....	
425-G	Operating rod.....	425
425-T	Inside tube.....	425
425-T1	Outside tube.....	425
440	Vapor regulator, less unions.....	
440-A	Body.....	425, 440
440-B	Cap.....	425, 440
440-C	Shield.....	425, 440
440-D	Strainer.....	425, 440
440-E	Diaphragm.....	425, 440, 111, 112, 115, 117
440-FF	Adjusting screw with diaphragm plate and lock nut.....	425, 440, 117, 112, 115, 111, 530
440-F	Adjusting screw.....	425, 440, 117, 112, 115, 111, 530
440-G	Operating rod.....	440
440-G5	Deflector ring.....	425, 440
440-HH	Cover lock complete with rider, link and thumb nut	425, 440, 117, 530
440-H1	Rider.....	425, 440, 117, 530
440-H2&H3	Link and thumb nut	425, 440, 117, 530
440-H4	Cover lock pin and cotter.....	425, 440, 112, 115, 117, 530
440-I	Lower lever pin and cotter.....	425, 440
440-JJ	Lower casing complete.....	425, 440
440-J	Lower casing only.....	425, 440
440-J1	Clamp and bolt.....	440
440-K3	Hinge pin and cotter.....	425, 440, 112, 115, 117, 530
440-KK5	Hinged cover complete with adjusting screw, cover lock, diaphragm hooks, and hinge pin.....	425, 440, 530
440-K5	Hinged cover only, with bushing and diaphragm hooks	425, 440, 530
440-L	Diaphragm hook.....	425, 440, 117, 530
440-M	Diaphragm plate.....	425, 440, 111, 112, 115, 117, 530
440-N	Disc with gasket.....	425, 440
440-N1	Disc gasket.....	425, 440
440-O	Stuffing box	425, 440, 530
440-PP	Valve, stem, and bonnet complete.....	425, 440
440-P	Valve stem with washer and upper lever pin and cotter.....	425, 440
440-QQ	Bonnet complete with stuffing box, dust protector, and packing ring	425, 440
440-Q	Bonnet only.....	425, 440
440-R	Disc holder.....	425, 440
440-R2	Disc holder wrench.....	
440-SS	Valve and stem complete.....	425, 440
440-S	Valve.....	425, 440
440-T	Inside tube.....	440
440-T1	Outside tube.....	440
440-U	Lock nut.....	425, 440, 111, 112, 115, 117, 530

PART No.	DESCRIPTION	DEVICES USING THIS PART
440-V	Valve retaining ring.....	425, 440
440-W	Lever.....	425, 440
440-X	Fulcrum pin and cotter.....	425, 440
440-Y	Shield bolt and 2 cotters.....	425, 440
440-Z	Dust protector.....	425, 440
440-Z1	Packing ring.....	425, 440, 530, 99
441	Union, 1" male and female.....	
442	Union, 1½" male and female.....	
785	1" pipe plug countersunk MI.....	Cutout valves
1605-C	Fuse, standard 10 amp. cartridge.....	1600, 1700-1800 series
1605-D	Fuse clip.....	1600, 1700-1800 series
1620-1	Magnetic cutout valve, No. 1 type.....	
1620-1AA	Steam portion complete.....	1620-1
1620-1A	Valve body, No. 1 type.....	1620-1
1620-2	Magnetic cutout valve, No. 2 type.....	
1620-2AA	Steam portion complete.....	1620-2
1620-2A	Valve body, No. 2 type.....	1620-2
1620-B	Valve wing.....	1620, 1621
1620-B3	Valve stem lock washer.....	1620, 1621
1620-BB11	Valve stem complete.....	1620, 1621
1620-C	Bonnet.....	1620, 1621
1620-C1	Bonnet lock.....	1620, 1621
1620-C4	Bonnet wrench, box type.....	
1620-C5	Bonnet wrench, socket type.....	
1620-DD	Packing assembly complete.....	1620, 1621
1620-D	Stuffing nut.....	1620, 1621
1620-D1	Packing ring.....	1620, 1621
1620-D2	Packing spring.....	1620, 1621
1620-D3	Packing washer.....	1620, 1621
1620-EE-5	Terminal block complete.....	1620, 1621
1620-E5	Terminal block.....	1620, 1621
1620-E6	Terminal block plate.....	1620, 1621
1620-F	Valve handle.....	1620, 1621
1620-FF1	Valve handle complete.....	1620, 1621
1620-F12	Handle compensator insulator.....	1620, 1621
1620-FF16	Handle compensator complete.....	1620, 1621
1620-GG	Valve cover complete (specify with or without dust guard).....	1620, 1621
1620-HH1	L. H. Solenoid casing complete with coil and connector block.....	1620, 1621
1620-H	L. H. Solenoid casing only.....	1620, 1621
1620-JJ1	R. H. Solenoid casing complete with coil and connector block.....	1620, 1621
1620-J	R. H. Solenoid casing only.....	1620, 1621
1620-K	Solenoid cap.....	1620, 1621
1620-K1	Solenoid cap wrench.....	
1620-LL	Solenoid plunger complete.....	1620, 1621
1620-L1	Solenoid plunger shock washer.....	1620, 1621
1620-MM11	Solenoid coil.....	1620, 1621
1620-S	Switch.....	1620, 1621
1620-S1	Switch base.....	1620-S
1620-SS2	L. H. contact bracket and contact.....	1620-S
1620-SS3	R. H. contact bracket and contact.....	1620-S

PART No.	DESCRIPTION	DEVICES USING THIS PART
1620-SS6	Bearing housing complete.....	1620-S
1620-SS10	Trip lever assembly.....	1620-S
1620-S11	Trip lever bearing pin.....	1620-S
1620-S15	Tripping plate spring.....	1620-S
1620-SS17	Movable contact assembly.....	1620-S
1620-S17	Movable contact bracket.....	1620-S
1620-S18	Contact point.....	1620-S
1620-S19	Neutral buss bar.....	1620-S
1620-S20	Neutral contact connector.....	1620-S
1620-S23	Switch cover.....	1620-S
1620-S24	Neutral terminal.....	1620-S
1620-SS28	Movable contact carrier and contacts.....	1620-S
1620-S28	Movable contact carrier.....	1620-S
1620-S29	Contact point.....	1620-S, 7000, 1790
1620-T	Name plate.....	1620, 1621
1620-XX	R. H. connector block complete.....	1620, 1621
1620-X	R. H. connector block.....	1620, 1621
1620-X1	Block protector.....	1620, 1621
1620-X2	Contact connector.....	1620, 1621
1620-X3	Contact connector.....	1620, 1621
1620-X7	"ON" terminal.....	1620, 1621
1620-ZZ	L. H. connector block complete.....	1620, 1621
1620-Z	L. H. connector block.....	1620, 1621
1620-Z7	"OFF" terminal.....	1620, 1621
1621-1	Magnetic cutout valve, No. 1 type.....	
1621-1AA	Steam portion complete, No. 1 type.....	1621-1
1621-1A	Body, No. 1 type.....	1621-1
1621-2	Magnetic cutout valve, No. 2 type.....	
1621-2AA	Steam portion complete, No. 2 type.....	1621-2
1621-2A	Body, No. 2 type.....	1621-2
1626-Y2	Wire insulator.....	1626, 1814
1631-A	Base.....	1631, 1700-FF, 1701-FF
1631-B	Button guide.....	1631, 1700-FF, 1701-FF, 1800 series
1631-C	Rod guide.....	1631, 1701-FF, 1800 series
1631-D	Contact brush.....	1631, 1700-FF, 1701-FF, 1800 series
1631-E	Contact brush.....	1631, 1700-FF, 1701-FF, 1800 series
1631-F	Commutator.....	1631, 1700-FF
1631-G	Spring.....	1631, 1700-FF, 1701-FF, 1800 series
1631-HH	Release element.....	1631, 1700-FF, 1701-FF, 1800 series
1631-L	Terminal lug.....	1631, 1700-1800 series
1700	Automatic unit thermostat.....	
1700-A1	Unit base.....	1700-1725 series
1700-A2	Unit base anchor bracket.....	1700 series
1700-A3	Unit base anchor bracket.....	1700 series
1700-A5	Support post.....	1700 series
1700-A7	Bus bar	1700 series
1700-A13	Bus bar	1700-1725 series
1700-A14	Bus bar	1700-1725 series
1700-A15	Housing anchor bracket.....	1700 series
1700-A16	Housing anchor bracket.....	1700 series
1700-B	Unit base insulator.....	1700-1725 series

PART No.	DESCRIPTION	DEVICES USING THIS PART
1700-BB1	Heat transmitter.....	1700 series
1700-CC	Heat control switch complete.....	1700-1725 series
1700-CC1	Switch base complete.....	1700-CC
1700-CC20	Switch brush assembly.....	1700-CC, 1729-CC, 7105, 7127
1700-C21	Bearing post.....	1700-CC, 1729-CC
1700-C27	Support post.....	1700 series
1700-C29	Cover catch bracket.....	1700 series
1700-DD	Valve relay complete.....	1700-1800 series
1700-DD1	Valve relay coil.....	1700-DD
1700-DD3	Relay frame complete.....	1700-DD, 1700-EE
1700-D3	Relay frame.....	1700-DD, 1700-EE, 7025, 7026, 7028
1700-D5	Armature anchor plate.....	1700-DD, 1700-EE, 7025, 7026
1700-DD8	Relay armature complete.....	1700-DD, 1700-EE
1700-D8	Armature with contact and hinge.....	1700-DD, 1700-EE
1700-D9	Relay armature tension spring.....	1700-DD, 1700-EE, 1725, 1726
1700-D13	"ON" contact bracket and contact.....	1700-DD, 1700-EE, 7025, 7026
1700-D14	"OFF" contact bracket and contact.....	1700-DD, 1700-EE, 7025, 7026
1700-D16	Bracket insulator.....	1700-DD, 1700-EE, 7025, 7026, 7028
1700-D17	Bracket bushing.....	1700-DD, 1700-EE, 7025, 7026, 7028
1700-D18	Bracket anchor plate.....	1700-DD, 1700-EE, 7025, 7026
1700-D21	Relay coil core.....	7025, 7026, 7028, 1700-DD, 1700-EE
1700-D26	Armature adjusting screw.....	1700-DD, 1700-EE, 7025, 7026, 7028
1700-EE	Selector relay complete.....	1700-1800 series
1700-EE1	Relay coil complete.....	1700-EE
1700-FF	Circuit breaker.....	1700 series
1700-F4	Rod guide.....	1700-FF
1700-F5	Rod guide anchor screw-special.....	1700-FF
1700-F20	Bus bar.....	1700-FF
1700-F21	Filler strip.....	1700-FF
1700-F22	Commutator stop.....	1700-FF
1700-GG	Terminal board complete.....	1700 series
1700-G1	Terminal board.....	1700-series
1700-G2	Terminal board anchor bracket.....	1700-1725 series
1700-G4	Terminal connector.....	1700-1725 series
1700-GG6	Terminal lugs—set of 7.....	1700, 1701, 1702, 1703
1700-G6	Terminal lug.....	1700-1800 series
1700-G8	Terminal connector plate.....	1725 series
1700-G9	Rivet.....	1700-1725 series
1700-HH	Tube base complete.....	1700 series
1700-H1	Tube base only.....	1700 series
1700-H2	Tube support.....	1700 series
1700-H4	Tube clamp.....	1700 series
1700-H9	Bus bar.....	1700 series
1700-H13	Terminal washer.....	1700-1800 series
1700-H14	Terminal plate.....	1700 series
1700-JJ	Thermostat housing complete.....	1700
1700-J1	Thermostat housing.....	1700 series
1700-J2	Indicating plate.....	1700
1700-J5	Circuit breaker indicating plate.....	1700 series
1700-KK	Thermostat cover complete.....	1700 series
1700-K1	Thermostat cover with clamp and bracket.....	1700 series
1700-K2	Thermometer unit.....	1700 series
1700-L	Wall insulator.....	1700 series

PART No.	DESCRIPTION	DEVICES USING THIS PART
1701	Automatic unit thermostat.....	1700 series
1701-FF	Circuit breaker complete.....	1700 series
1701-F11	Commutator.....	1701-FF
1701-F20	Bus bar	1701-FF
1701-JJ	Thermostat mounting plate complete.....	1701-FF
1701-J1	Mounting plate.....	1700 series
1701-J2	Indicating plate.....	1701
1701-J7	Circuit breaker indicating plate.....	1700 series
1701-J9	Insulating strip.....	1700 series
1701-P	Thermostat wall box.....	1700 series
 1702	Automatic unit thermostat.....	
1702-CC	Terminal block complete.....	1702, 1703
1702-JJ	Thermostat housing complete.....	1702
 1703	Automatic unit thermostat.....	
1703-JJ	Thermostat mounting plate complete.....	1703
 1704	Automatic unit thermostat.....	
1704-GG	Terminal board complete.....	1704, 1705
1704-GG6	Terminal lugs—set of 6.....	1704, 1705
1704-JJ	Thermostat housing complete.....	1704
1704-J2	Indicating plate.....	1704
 1705	Automatic unit thermostat.....	1705
1705-JJ	Thermostat mounting plate complete.....	1705
1705-J2	Indicating plate.....	1705
 1706	Automatic unit thermostat.....	
1706-CC	Switch terminal block complete.....	1706, 1707
1706-C1	Switch terminal block.....	1706, 1707, 1708
1706-GG	Terminal board.....	1706, 1707, 1708
1706-GG6	Terminal lugs—set of 5.....	1706, 1707, 1708
1706-JJ	Thermostat housing complete.....	1706
1706-J2	Indicating plate.....	1706
 1707	Automatic unit thermostat.....	
1707-JJ	Thermostat mounting plate complete.....	1707
1707-J2	Indicating plate.....	1707
 1708	Automatic unit thermostat.....	
1708-CC	Terminal block.....	1708
1708-HH	Tube base complete.....	1708
1708-JJ	Thermostat housing complete.....	1708
1708-J2	Indicating plate.....	1708
 1710	Automatic air selector switch.....	
1710-A	Flanged case complete.....	1710
1710-A1	Flanged case.....	1710, 1712, 1851
1710-A2	Cover.....	1710, 1711, 1851, 1853
1710-A3	Indicating plate.....	1710
1710-A4	Case insulator.....	1710, 1711, 1712, 1851, 1853
1710-A6	Cover screw.....	1710, 1711, 1712, 1851, 1853
1710-A11	Selector trip spring post.....	1710, 1711, 1712, 1851, 1853
1710-A12	Ferrule.....	1710, 1712, 1851
1710-B	Bourdon tube.....	1710, 1712, 1851

PART No.	DESCRIPTION	DEVICES USING THIS PART
1710-C	Drop latch movement.....	1710, 1711, 1712, 1851, 1853
1710-E	Selector knob with screw and washer.....	1710, 1711, 1712, 1851, 1853
1710-E5	Knob anchor screw.....	1710, 1711, 1851, 1853
1710-E8	Selector trip spring.....	1710, 1711, 1712, 1851, 1853
1710-F	Contactor.....	1710, 1711, 1712, 1851, 1853
1710-G	Brush base complete.....	1710, 1711
 1711	Automatic air selector switch.....	
1711-A	Case complete.....	1711
1711-A1	Case only.....	1711, 1853
1711-A3	Indicating plate.....	1711
1711-A7	Outlet box.....	1711, 1814, 1853
1711-A8	Outlet box cover with screws.....	1711, 1814, 1853
1711-B	Bourdon tube.....	1711, 1853
 1712	Automatic air selector switch.....	
1712-A	Case complete.....	1712
1712-A2	Cover.....	1712
1712-A3	Name plate.....	1712
1712-G	Brush base assembly.....	1712
 1725	Remote control unit.....	
1725-GG	Terminal board complete.....	1725
1725-G1	Terminal board.....	1725, 1727, 1729
1725-GG6	Terminal lugs—set of 11.....	1725
1725-JJ	Unit mounting plate complete {plain or fancy type}.....	1725
1725-J1	Mounting plate {fancy type}.....	1725, 1727, 1729
1725-J2	Indicating plate.....	1725
1725-J10	Mounting plate {plain type}.....	1725, 1727, 1729
1725-P	Wall box.....	1725, 1727
 1727	Remote control unit.....	
1727-GG	Terminal board complete.....	1727, 1729
1727-GG6	Terminal lugs—set of 10.....	1727
1727-JJ	Unit mounting plate complete.....	1727
1727-J2	Indicating plate.....	1727
 1740-29	Terminal connector.....	1706, 1707, 1740
 1750	Fuse block complete.....	
1750-1	Indicating plate.....	1750
1750-2	Fuse—plug type.....	1750
1750-3	Fuse block only.....	1750
 1762	Relay coil.....	1725
 1770-2	Relay coil.....	7000
1770-4	Relay frame.....	1900 series relays 7000 series relays
 1770-6	Armature.....	1900 series relays
1770-14	Spring bracket.....	1900 series relays
1770-18	Armature tension adjusting screw.....	1900 series relays 7000 series relays
 1770-19	Armature tension spring.....	7000 series relays
1770-28	Relay coil core.....	1900 series relays 7000 series relays
 1770-61	Armature retainer plate.....	1900 series relays

PART No.	DESCRIPTION	DEVICES USING THIS PART
1770-64	Contact bar holder.....	1900 series relays
1770-68	Contact spring.....	1900 series relays
1770-120	Contact bracket assembly.....	1900 series relays
1770-123	Contact post assembly.....	1900 series relays
1770-167	Contact bar with contact.....	1900 series relays
 1772-35	Lock nut.....	1790, 1791, 1792, 7028
1772-134	Contact post.....	1777, 7020
 1774-8	Contact bar holder.....	1900-NN, 1900-PP
 1780-2	Relay coil.....	7051
1780-8	Contact equalizer.....	7051
1780-10	Carbon contact.....	7051
1780-11	Carbon contact retainer.....	7051
1780-13	Spring.....	7051
1780-14	Washer.....	7051
1780-28	Coil core.....	7051
1780-30	Copper contact.....	7051
1780-108	Carbon contact equalizer.....	7051
1780-126	Carbon contact post.....	7051
 1790	Electric motor valve.....	
1790-1	Valve body.....	1790
1790-2	Bottom cap.....	1790
1790-3	Bonnet.....	1790
1790-3AA	Bonnet complete.....	1790
1790-4	Bellows.....	1790
1790-5	Split ring.....	1790
1790-7	Operating rod.....	1790
1790-18	Contact spring.....	1790, 1791, 1792
1790-19	Contact pin	1790, 1791, 1792
1790-20	Motor complete.....	1790
1790-21	Motor valve support.....	1790
1790-22	Motor valve cover.....	1790
1790-23	Cover anchor screw.....	1790
1790-24	Name plate.....	1790
1790-35	Switch cam.....	1791, 1792, 1793
1790-38	Shaft bearing plate.....	1790
1790-127	Adjusting contact post.....	1790, 1791, 1792
1790-AA	Steam portion complete.....	1790
1790-BB10	Switch base complete.....	1790
1790-B10	Switch base assembly.....	1790
1790-B20	Motor brush.....	1790, 1791, 1792, 1793
1790-CC	Contact breaker arm complete.....	1790, 1791, 1792
1790-DD	Motor unit complete.....	1790
 1791	Electric motorized vane.....	
1791-1	Connecting rod.....	1791, 1792, 1793
1791-2	Connecting rod bearing.....	1791, 1792, 1793
1791-4	Vane cam.....	1791, 1792, 1793
1791-20	Motor complete.....	1791
1791-21	Motor base.....	1791, 1792, 1793
1791-22	Motor cover.....	1791
1791-23	Cover anchor screw.....	1791, 1792, 1793

PART No.	DESCRIPTION	DEVICES USING THIS PART
1791-24	Name plate.....	1791, 1792, 1793
1791-36	Vance cam key.....	1791, 1792, 1793
1791-37	Shaft bearing.....	1791, 1792, 1793
1791-40	Motor mounting block.....	1791
1791-42	Switch base support.....	1791, 1792, 1793
1791-45	Cover anchor post.....	1791, 1792, 1793
1791-AA	Motor unit complete.....	1791
1791-BB	Switch base complete.....	1791
1791-B9	Switch base assembly.....	1792, 1793
1791-B10	Switch base assembly.....	1791
1791-CC	Motor base complete.....	1791, 1792, 1793
 1792	Electric motorized vane	
1792-20	Motor complete.....	1792
1792-22	Motor cover.....	1792
1792-AA	Motor unit complete.....	1792
1792-BB	Switch base complete.....	1792, 1793
 1793	Electric motorized vane.....	
1793-20	Motor complete.....	1793
1793-22	Motor cover.....	1793
1793-AA	Motor unit complete.....	1793
 1800	Automatic unit thermostat.....	
1800-A1	Automatic unit thermostat base.....	1800, 1801, 1802
1800-BB	Thermostat housing complete.....	1800
1800-BB1	Housing.....	1800, 1801, 1802
1800-B2	Indicating plate.....	1800
1800-B5	Circuit breaker indicating plate.....	1800, 1801, 1802
1800-B6	Housing insulator.....	1800, 1801, 1802
1800-B14	Name plate.....	1700-1800 series
1800-CC	Heat control switch complete.....	1800 series
1800-C1	Bearing post.....	1800-1830 series
1800-C2	Bearing post sleeve.....	1800-1830-1874 series
1800-CC7	Switch brush assembly.....	1800-7120 series
1800-C12	Switch indicator.....	1800-1830 series
1800-C14	Switch insulator.....	1800 series
1800-GG	Terminal board complete.....	1800
1800-GG6	Terminals—set of 5.....	1800
1800-LL	Tube holder base complete.....	1800
 1801	Automatic unit thermostat.....	
1801-BB	Thermostat housing complete.....	1801
1801-B2	Indicating plate.....	1801
1801-CC	Heat control switch.....	1801, 1815, 1819, 1831, 1875
1801-C12	Switch indicator.....	1800 series
1801-GG	Terminal board complete.....	1801
1801-GG6	Terminals—set of 6.....	1801
 1802	Automatic unit thermostat.....	
1802-A1	Thermostat base.....	1802, 1803
1802-BB	Thermostat housing complete.....	1802
1802-B2	Indicating plate.....	1802
1802-GG	Terminal board complete.....	1802
1802-GG6	Terminal lugs—set of 6.....	1802

PART No.	DESCRIPTION	DEVICES USING THIS PART
1810-1	Thermostat—1 tube, plain cover.....	
1810-1	Thermostat—1 tube, thermometer in cover.....	
1810-2	Thermostat—2 tube, plain cover.....	
1810-2	Thermostat—2 tube, thermometer in cover.....	
1810-3	Thermostat—3 tube, plain cover.....	
1810-3	Thermostat—3 tube, thermometer in cover.....	
1810-AA	Thermostat housing complete.....	1810, 1811, 1812, 1813
1810-A1	Thermostat housing.....	1810, 1811, 1812, 1813
1810-B1	Tube holder.....	1800 series
1810-C1	Tube clamp.....	1800 series
1810-DD	Tube base assembly	1810, 1811, 1812
1810-D1	Tube holder base.....	1800 series
1810-D4	Bus bar.....	1800 series
1810-EE	Heat unit.....	1810
1810-FF	Terminal board complete.....	1810
1810-F2	Support post.....	1800 series
1810-G	Name plate.....	1800 series
1810-KK	Thermostat cover with thermometer.....	1800 series
1810-K1	Thermostat cover.....	1800 series
1810-K2	Thermometer unit.....	1800 series
1810-K6	Thermostat cover anchor screw, special.....	1800 series
1811-1	Thermostat—1 tube, plain cover.....	
1811-1	Thermostat—1 tube, thermometer in cover.....	
1811-2	Thermostat—2 tube, plain cover.....	
1811-2	Thermostat—2 tube, thermometer in cover.....	
1811-1-1-1	Thermostat—3 tubes in individual circuits, plain cover.....	
1811-1-1-1	Thermostat—3 tubes in individual circuits, thermometer in cover.....	
1811-2-1	Thermostat—3 tube, one in individual circuit, plain cover.....	
1811-2-1	Thermostat—3 tube, one in individual circuit, thermometer in cover...	
1811-3	Thermostat—3 tube, plain cover	
1811-3	Thermostat—3 tube, thermometer in cover.....	
1811-AA	Thermostat housing complete.....	1811, 1813
1811-1-1-1FF	Terminal board complete	1811
1811-F9	Heat unit.....	1811
1812-1	Thermostat—1 tube, plain cover.....	
1812-1	Thermostat—1 tube, thermometer in cover.....	
1812-2	Thermostat—2 tube, plain cover.....	
1812-2	Thermostat—2 tube, thermometer in cover.....	
1812-3	Thermostat—3 tube, plain cover.....	
1812-3	Thermostat—3 tube, thermometer in cover.....	
1812-FF	Terminal board complete.....	1812
1813-3-1	Thermostat—4 tube, 3 tubes in one circuit, 1 tube in separate circuit, plain cover.....	
1813-3-1	Thermostat—4 tube, 3 tubes in one circuit, 1 tube in separate circuit, thermometer in cover.....	
1813-3-1FF	Terminal board complete.....	1811, 1813
1813-3-1DD	Tube base complete.....	1813
1814-1	Thermostat—1 tube.....	
1814-2	Thermostat—2 tube.....	
1814-2-1	Thermostat—3 tube, 2 tubes in one circuit, 1 tube in separate circuit....	
1814-3	Thermostat—3 tube.....	
1814-AA	Thermostat mounting base.....	1814

PART No.	DESCRIPTION	DEVICES USING THIS PART
1814-A1	Mounting plate.....	1814
1814-A6	Name plate.....	1814
1814-A10	Cover anchor stud.....	1814
1814-A13	Tube holder support post.....	1814
1814-BB	Terminal base assembly.....	1814
1814-BB1	Terminal base.....	1814
1814-CC	Thermostat cover.....	1814
1814-C1	Cover.....	1814
1814-C2	Cover support rod.....	1814
1814-DD	Tube cushion assembly.....	1814
1815-3	Thermostat—3 tube, plain cover.....	
1815-3	Thermostat—3 tube, thermometer in cover.....	
1815-A13	Support post.....	1811, 1813, 1815
1815-BB	Thermostat housing.....	1815 to 1821, 1874, 1875
1815-DD	Tube holder base.....	1815, 1816, 1819, 1820
1815-DD1	Tube holder base only.....	1815, 1816, 1819, 1820
1815-G	Contact spring.....	1815, 1816, 1819, 1820, 1821, 1823
1816-3	Thermostat—3 tube, plain cover.....	
1816-3	Thermostat—3 tube, thermometer in cover.....	
1818-1	Thermostat—1 tube, plain cover.....	
1818-1-1	Thermostat—2 tube, plain cover.....	
1818-2	Thermostat—2 tube, plain cover.....	
1818-1-1-1	Thermostat—3 tube, plain cover.....	
1818-2-1	Thermostat—3 tube, plain cover.....	
1818-3	Thermostat—3 tube, plain cover	
1818-3-1	Thermostat—4 tube, plain cover	
1818-4	Thermostat—4 tube, plain cover	
1818-AA	Tube base complete	1818, 1918
1818-A2	Mounting bracket	1818, 1918
1819-3	Thermostat—3 tube, plain cover	
1819-3	Thermostat—3 tube, thermometer in cover	
1819-E	Heat element	1819, 1820
1820-3	Thermostat—3 tube, plain cover	
1820-3	Thermostat—3 tube, thermometer in cover	
1820-BB	Thermostat housing complete	1816, 1820, 1821, 1874
1821-4	Thermostat—4 tube, plain cover	
1821-4	Thermostat—4 tube, thermometer in cover	
1821-DD	Tube holder base assembly	1821, 1823
1821-DD1	Tube holder base complete	1821, 1823
1822-4	Thermostat—4 tube, plain cover	
1822-4	Thermostat—4 tube, thermometer in cover	
1823-4	Thermostat—4 tube, plain cover	
1823-4	Thermostat—4 tube, thermometer in cover	
1830	Remote control unit	
1830-A3	Support post	1800 series
1830-A4	Switch stop post	1800 series
1830-A5	Switch contact	1800 series
1830-BB	Unit housing complete	1830

PART No.	DESCRIPTION	DEVICES USING THIS PART
1830-D34	Relay anchor bracket	1800 series
1830-F2	Button guide	1800 series
1830-FF-12	Commutator complete	1800 series
1830-F20	Circuit breaker guard	1800 series
1830-GG	Terminal board complete	1830
1830-G1	Terminal board	1800 series
1830-G2	Support post	1800 series
1830-G7	Terminal connector rivet	1800 series
1830-HH	Wall box complete	1800 series
 1831	Remote control unit	
1831-BB	Unit housing complete	1831
1831-GG	Heat control switch	1831
1831-GG	Terminal board complete	1831
 1832	Remote control unit	
1832-BB	Unit housing complete	1832
1832-GG	Terminal board complete	1832
 1833	Remote control unit	
1833-BB	Control unit housing complete	1833
1833-GG	Terminal board complete	1833
 1835	Remote control unit	
 1840	Heat control switch	
1840-2	Bearing bushing	1840, 1841, 7123, 7124, A-7124
1840-3	Snap segment	1800 series
1840-7	Bearing post	1840, 1841, 7123, 7124, A-7124
1840-17	Switch knob	1700 series, 1840, 1841
1840-20	Support post	1814, 1840
1840-21	Switch cover	1840, 1841
1840-22	Name plate	1840
1840-26	Auxiliary bushing	1800 series, 1840, 1841, 7123, 7124, A-7124
 1841	Heat control switch	
1841-22	Name plate	1841
 1851	Automatic air selector switch	
1851-A	Flanged case	
1851-A3	Indicating plate	1851
1851-DD	Adjustable connecting bar complete	All selector switches
1851-D1	Connecting bar wrench	All selector switches
1851-D2	Latch screw	All selector switches
1851-D3	Washer	All selector switches
1851-D4	Connecting bar screw nut	All selector switches
1851-D5	Screw, connecting bar, tube end	All selector switches
1851-G	Brush base	1851, 1853
 1853	Automatic air selector switch	
1853-A	Flanged case, complete	1853
1853-A3	Indicating plate	1853
 1855	Flexible connector	All selector switches

PART No.	DESCRIPTION	DEVICES USING THIS PART
1874-3	Thermostat, 3 tube, plain cover.....	
1874-3	Thermostat, 3 tube, thermometer in cover.....	
1874-DD	Tube holder base.....	1874, 1875
1874-DD1	Base only complete.....	1874, 1875
1874-E	Plain cover.....	All 1800 series with plain covers
1875-3	Thermostat, 3 tube, plain cover.....	
1875-3	Thermostat, 3 tube, thermometer in cover.....	
1900-AA	Relay frame complete.....	All old style 1900 series relays
1900-A4	Panel anchor screw sleeve.....	All panels
1900-A5	Cover support post.....	All panels
1900-A8	Terminal post.....	All panels
1900-A9	Terminal post marker strip.....	All panels
1900-A10	Terminal post marker strip.....	All panels
1900-A11	Contact anchor stud.....	All panels
1900-A20	Terminal stud.....	All panels
1900-A28	Heat control switch support post.....	All panels
1900-A29	Heat control switch stop sleeve.....	7124, A-7124
1900-A32	Fuse receptacle support sleeve.....	All panels
1900-A34	Valve test button spring.....	Panels with old style test button
1900-A37	Fuse receptacle.....	All panels
1900-A39	Circuit breaker test button post.....	Panels with old style test button
1900-A44	Valve test button guide plate post.....	Panels with old style test button
1900-A46	Valve test button guide plate.....	Panels with old style test button
1900-A48	Cooling test support post.....	All Pullman panels
1900-A60	Valve test button brush.....	Panels with old style test button
1900-BB	Relay, old style.....	
1900-BB1	Relay armature complete.....	1900-BB, 1900-CC
1900-B22	Contact lead.....	All pilot relays
1900-CC	Relay.....	
1900-E22	Contact lead.....	All test switches
1900-FF	Relay.....	
1900-FF1	Relay armature complete.....	1900-FF, 1900-RR
1900-GG	Pilot relay.....	
1900-K1	Cooling test base.....	Old Pullman panels
1900-K5	Cooling test buss bar.....	Old Pullman panels
1900-L17	Switch indicating plate.....	All valve test switches
1900-MM	Relay.....	
1900-MM1	Relay armature complete.....	1900-MM
1900-NN	Relay.....	
1900-NN1	Relay armature complete.....	1900-NN
1900-PP	Relay.....	
1900-PP1	Relay armature complete.....	1900-PP
1900-RR	Relay.....	
1900-WW	Pilot relay.....	
1901-A61	Relay cushion anchor stud.....	All panels
1901-A62	Air conditioning control switch post.....	All panels
1901-A63	Emergency valve switch post.....	All panels
1901-A64	Terminal.....	All panels
1901-A65	Terminal plate.....	All panels
1901-A66	Fan switch support post.....	All panels
1901-A67	Switch contact post.....	All panels using 7100-DD switches
1901-A68	Switch contact stud.....	All panels using 7100-DD switches

PART No.	DESCRIPTION	DEVICES USING THIS PART
1901-A73	Resistor anchor stud.....	All panels
1901-A74	Resistor—250 ohm.....	All panels—32 volt
1901-A75	Resistance mounting post.....	All panels
1901-A76	Speed control test post.....	All Pullman panels
1901-A77	Test post insulator.....	All Pullman panels
1901-A78	Cooling test post.....	All Pullman panels
1901-A80	Resistance anchor bracket.....	All panels with fan resistance mounting
1901-A81	Field discharge spring clip.....	All panels using field discharge relays
1901-A89	Terminal lug.....	All panels
1901-A90	Felt washer.....	Pullman mechanical panels
1901-A91	Resistor—600 ohm.....	
1901-A93	Resistor—5000 ohm.....	
1901-B1	Relay mounting plate.....	All panels
1901-D15	Relay tension spring bracket.....	All new style relays
1901-GG	Pilot relay.....	
1901-S7	Bearing bushing.....	All air conditioning & fan speed switches
1901-S8	Bearing bushing nut.....	All air conditioning & fan speed switches
1901-S11	Bearing post.....	All air conditioning & fan speed switches
1901-V1	Switch plate.....	7141, 7142, 7143
1901-V2	Emergency valve switch base.....	7143
1901-V3	Toggle switch.....	All valve test switches
1901-WW	Relay complete.....	
1901-W1	Relay mounting cushion.....	All pilot relays
1918-1	Thermostat—1 tube, plain cover.....	
1918-1-1	Thermostat—2 tube, plain cover.....	
1918-2	Thermostat—2 tube, plain cover.....	
1918-2-1	Thermostat—3 tube, plain cover.....	
1918-1-1-1	Thermostat—3 tube, plain cover.....	
1918-3	Thermostat—3 tube, plain cover.....	
1918-3-1	Thermostat—4 tube, plain cover.....	
1918-4	Thermostat—4 tube, plain cover.....	
1918-A3	Duct mounting bracket.....	1918
1918-A19	Duct mounting bracket insulator.....	1918
1918-BB	Thermostat cover.....	1918, 1818
1918-CC	Duct mounting bracket with insulator.....	1918
5420	Tip jack.....	1800 series
7000	Relay.....	All panels
7000-AA	Relay frame complete.....	7000 series
7000-BB	Relay coil complete.....	1900-7000 series
7000-CC	Relay armature complete.....	7000, 7005
7000-C2	Insulator.....	7000 series
7000-C3	Top plate.....	7000 series
7000-C4	Sleeve.....	7000
7000-CC5	Contact bar assembly.....	7000 series
7000-C5	Contact bar holder.....	7000 series
7000-CC6	Contact bar holder assembly.....	7000, 7005, 7020
7000-CC7	Contact bar with contacts.....	All new style relays except pilot relays
7000-C8	Contact bar pin	All new style relays except pilot relays
7000-C9	Contact bar spring.....	All new style relays except pilot relays
7000-C10	Bottom plate.....	7000, 7005, 7020
7000-DD	Contact post with contact.....	All panels using new style relays
7000-EE	Contact bracket with contact.....	All panels using new style relays
7000-FF	Tension spring assembly.....	7000 series relays

PART No.	DESCRIPTION	DEVICES USING THIS PART
7005	Relay.....	
7011	Relay.....	
7011-CC	Relay armature complete.....	7011
7011-CC6	Contact bar holder assembly.....	7011, 7210
7012	Relay.....	
A-7012	Relay.....	
7012-CC	Relay armature complete.....	7012, A-7012
7012-C4	Insulator.....	7011, 7012, 7013
7012-CC6	Contact bar holder assembly.....	7012, 7320
7013	Relay.....	
7013-A5	Armature tension spring.....	7013
7013-CC	Relay armature complete.....	7013
7013-C3	Top plate.....	7012, 7013
7013-CC6	Contact bar holder assembly.....	7013, 7330
7013-C10	Bottom plate.....	7012, 7013
7013-FF	Armature tension spring assembly.....	7000 series, except 7000
7014	Relay.....	
7014-CC	Relay armature complete.....	7014
7014-C3	Top plate.....	7014, 7015
7014-C4	Insulator.....	7014, 7015
7014-CC6	Contact bar holder assembly.....	7014, 7340
7014-C10	Bottom plate.....	7014, 7015
7015	Relay.....	
7015-CC	Relay armature complete.....	7015, 7350
7015-CC6	Contact bar holder assembly.....	7015, 7350
7020	Automatic circuit breaker.....	
7020-CC	Circuit breaker armature complete.....	7020
7020-DD	Circuit breaker element complete.....	7020
7025	Pilot Relay.....	
7025-AA	Relay frame complete.....	1900-GG, 1901-GG, 7025, 7026
7025-AA2	Relay armature.....	1900-GG, 1901-GG, 7025, 7026
7025-AA5	"OFF" contact bracket.....	1900-GG, 1901-GG, 7025, 7026
7025-AA6	"ON" contact bracket.....	1900-GG, 1901-GG, 7025, 7026, 7028
7025-BB	Relay coil complete.....	1900-GG, 1901-GG, 7025, 7028
7026	Pilot relay.....	
A-7026	Pilot relay.....	
7026-AA	Relay frame complete.....	1900-WW, 1901-WW, 7026
7026-AA5	"OFF" contact bracket.....	1900-WW, 1901-WW, 7026
7026-BB	Relay coil complete.....	1900-WW, 1901-WW, 7026
7026-B1	Relay coil.....	1900-WW, 1901-WW, 7026
7028	Pilot relay.....	
7028-AA	Relay frame complete.....	7028
7028-CC	Double contact armature.....	7028
7028-DD	Auxiliary adjustable contact assembly.....	7028
7028-D1	Auxiliary adjustable contact point.....	7028

PART No.	DESCRIPTION	DEVICES USING THIS PART
7040	Automatic circuit breaker.....	
7040-AA	Circuit breaker cover complete.....	7040
7040-A1	Thermostatic element complete.....	7040
7040-BB	Circuit breaker base complete.....	7040
7040-B	Circuit breaker coil.....	7040
7040-B1	Circuit breaker coil complete.....	7040
 7051	 Heavy duty load relay.....	
7051-BB	Relay coil complete.....	A-7012, 7051
7051-CC	Main armature.....	7051
7051-DD	Relay armature complete.....	7051
7051-GG	Contact brush assembly.....	7051
7051-GG2	Contact brush.....	7051
 7100-6	 Air conditioning control and seasonal switch.....	
7100-6AA	Switch assembly.....	7100-6
7100-6BB	Switch base assembly.....	7100-6
7100-6B1	Base assembly.....	7100-6
7100-7	Air conditioning control and seasonal switch.....	
7100-7AA	Switch assembly.....	7100-7
7100-7BB	Switch base assembly.....	7100-7
7100-7-B1	Base assembly.....	7100-7
7100-8	Air conditioning control and seasonal switch.....	
7100-8-AA	Switch assembly.....	7100-8
7100-8-BB	Switch base assembly.....	7100-8
7100-8-B1	Base assembly.....	7100-8, 7100-8-PR
7100-8-PR	Air conditioning control and seasonal switch.....	
7100-8-PR-AA	Switch assembly.....	7100-8-PR
7100-8-PR-BB	Switch base assembly.....	7100-8-PR
7100-CC	Switch brush assembly.....	7100 series
7100-DD	Switch mechanism.....	7100-7101 series
7100-DD1	Switch contact—set of 4.....	7100-DD
7100-D1	Switch knob.....	All panels
 7101-3	 Blower fan and speed switch.....	
7101-3-AA	Switch assembly.....	7101-3
7101-3-BB	Switch base assembly.....	7101-3
7101-3-B1	Switch base assembly.....	7101-3, 7101-3M, 7101-3S
7101-3-CC	Switch brush assembly.....	7101-3, 7101-3M, 7101-3S
7101-3-M	Blower fan and speed switch.....	
7101-3M-AA	Switch assembly.....	7101-3M
7101-3M-BB	Switch base assembly.....	7101-3M
7101-3S	Blower fan and speed switch.....	
7101-3S-AA	Switch assembly.....	7101-3S
7101-3S-BB	Switch base assembly.....	7101-3S
7101-4	Blower fan and speed switch.....	
7101-4-AA	Switch assembly.....	7101-4
7101-4-BB	Switch base assembly.....	7101-4
7101-4-B1	Base assembly.....	7101-4
7101-4-CC	Switch brush assembly.....	7101-4
 7110	 Fan, seasonal, or emergency switch.....	
7112	Switch.....	

PART No.	DESCRIPTION	DEVICES USING THIS PART
7115	Switch.....	
A-7115	Switch.....	
7123	Heat control switch.....	
7123-BB	Switch base assembly.....	7123
7123-B1	Base assembly.....	7123
7124	Heat control switch.....	
7124-BB	Switch base assembly.....	7124
7124-B1	Base assembly.....	7124, A-7124
A-7124	Heat control switch.....	
A-7124-BB	Switch base assembly.....	A-7124
A-7124-L	Contact lead assembly.....	A-7124
7127-6	Air conditioning control switch.....	
7127-6-BB	Switch base assembly.....	7127-6
7127-6-B1	Base assembly.....	7127-6
7127-7	Air conditioning control switch.....	
7127-7-BB	Switch base assembly.....	7127-7
7127-7-B1	Base assembly.....	7127-7
7132	Switch assembly.....	
7132-BB	Switch base assembly.....	7132
7132-B1	Base assembly.....	7132
7141	Valve cutout and test switch assembly.....	
A-7141	Blower emergency switch.....	
B-7141	Valve cutout and test switch.....	
7142	Valve cutout and test switch.....	
7143	Valve cutout and test switch.....	
7144	Valve cutout and test switch.....	
7144-V1	Emergency switch plate.....	7144
7144-V2	Switch base.....	7144
7145	Emergency switch.....	
7145-V1	Emergency switch plate.....	7145
7145-V2	Switch base.....	7145
7190	Fan resistor.....	
7200-AA	Relay frame complete.....	7210
7200-BB	Relay coil complete.....	7210
7200-CC	Relay armature complete.....	7210
7200-C1	Armature only.....	7210
7210	Pilot relay, A. C.....	
7210-A5	Armature tension spring.....	7210
7210-FF	Tension spring assembly.....	7210
7300-AA	Relay frame complete.....	7320, 7330, 7340, 7350
7300-BB	Relay coil.....	7320, 7330, 7340, 7350
7300-C1	A. C. relay armature.....	7320, 7330, 7340, 7350

PART No.	DESCRIPTION	DEVICES USING THIS PART
7320	Relay, A. C.....	
7320-CC	Relay armature complete.....	7320
7320-FF	Tension spring assembly.....	7320, 7330
 7330	Relay, A. C.....	
7330-CC	Relay armature complete.....	7330
 7340	Relay, A. C.....	
7340-CC	Relay armature complete.....	7340
7340-FF	Tension spring assembly.....	7340, 7350
 7350	Relay, A. C.....	
7350-CC	Relay armature complete.....	7350
 10438	Switch base.....	7143
 10542	Spring bracket.....	7320, 7330, 7340, 7350
10544	Armature bearing pin.....	7320, 7330, 7340, 7350
10554	Spring bracket.....	7210
10575	Armature bearing pin.....	7210
10590	Test switch anchor plate.....	A-7141, B-7141
10591	Switch base.....	7141, A-7141, B-7141
 10610	Switch base.....	7142
10612	Contact lead assembly.....	7127-6, 7127-7
10613	Contact lead assembly.....	7127-6, 7127-7
10614	Contact lead assembly.....	7127-7
10615	Contact lead assembly.....	7127-6
10617	Contact lead assembly.....	7100-7, 7100-8, 7100-8-PR
10618	Contact lead assembly.....	7100-8, 7100-8-PR
10619	Contact lead assembly.....	7100-7
10624	Contact lead assembly.....	7101-3M, 71O1-3S
10625	Contact lead assembly.....	7101-4
10633	Contact lead assembly.....	7123
10635	Contact lead assembly.....	7124
10638	Relay armature only.....	7000, 7005, 7020
10639	Relay armature only.....	7011 to 7015
10641	Armature only.....	7051
10658	Brush tension plate.....	7051
10659	Brush guide pin.....	7051
10660	Brush holder.....	7051
10669	Adjusting contact bracket.....	7028
10670	Auxiliary contact leaf with contact.....	7028
10675	Spring.....	7051
10684	Contact lead assembly.....	7100-6
10685	Contact lead assembly.....	7100-6
10687	Tube cushion.....	1814
10688	Tube cushion holder.....	1814
10692	Circuit breaker mounting bracket.....	7040
10693	Thermal contactor anchor plate.....	7040
10694	Coil core.....	7040
10695	Lock nut.....	7040
10696	Thermal contactor rivet.....	7040

PART No.	DESCRIPTION	DEVICES USING THIS PART
10704	Top plate.....	7011, 7210
10705	Bottom plate.....	7011, 7210
10706	Circuit breaker heat element.....	7040
10709	Tension spring.....	7320, 7330
10710	Tension spring	7340, 7350
10723	Valve cam.....	1790
10724	Cam Key.....	1790
10725	Brush cam.....	1790
10726	Cam lock screw.....	1790
10727	Cam spacer bushing.....	1790
10729	Insulator.....	7011, 7210
10731	Circuit breaker terminal lead.....	7040
10735	Mounting bracket shock washer.....	7040
10738	Contact lead.....	7040
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10761	Insulating washer.....	7040
20343	Circuit breaker cover only.....	7040



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