# Maintenance sheet

ATH3M
88A166

## A. Troubleshooting

If the error code is indicated on the green LED (Refer to Section **C**) on the PCB (Part #701) of the water heater (and/or the remote controller), refer to Section **B**.

**<< It takes long time to get hot water at the fixtures >>**
- The time it takes to deliver hot water from the water heater to your fixtures depends on the length of piping between the two. The longer the distance or the bigger the pipes, the longer it will take to get hot water.
- If you would like to receive hot water to your fixtures quicker, you may want to consider a hot water recirculation system.

**<< The water is not hot enough or turns cold and stays cold >>**
- Compare the flow and temperature. Refer to the "Output temperature chart" in the Installation manual.
- Check cross plumbing between cold water lines and hot water lines.
- Check if the gas supply valve is fully open, the gas line is sized properly, and for sufficient gas supply pressure at the heater. Refer to the "Gas supply and gas pipe sizing" in the Installation manual.
- Check the set temperature. Adjust the set temperature with the remote controller or the DIPswitch setting. Refer to Section **D**.
- Refer to the **"Water circuit"** in this section.

**<<The water is too hot>>**
- Check the set temperature, lower the set temperature.

**<<The hot water is not available when a fixture is opened>>**
- Refer to the **"Power supply circuit"** and **"Water circuit"** in this section.

**<<Fluctuation in hot water temperature>>**
- Check if the filter on the cold water inlet is clean (Part #406).
- Check if the gas line is sized properly and the supply gas pressure is sufficient.
- Check for cross connection between cold water lines and hot water lines.
- Refer to the **"Water circuit"** in this section.

**<<Unit does not ignite when water goes through the water heater>>**
- Refer to the **"Power supply circuit"** and **"Water circuit"** in this section.
- If you use the remote controller, turn the power button on and then check if the STAND BY LED will light up.
- Check if the filter on the cold water inlet is clean (Part #406).
- Refer to the **"Water circuit"** in this section.

**<<The fan motor is still spinning after operation has stopped>>**
- This is normal. After operation has stopped, the fan motor keeps running for 15 to 70 seconds in order to re-ignite quickly, as well as purge all the exhaust gas out of the flue.

**<<Abnormal sound from water heater>>**
- An abnormal sound from the water heaters is caused by not enough air supply or wrong installations. The water heater needs more combustion air. Refer to the **"101" error code** in the section **B**.

**<<Power supply circuit>>**
1. Check the power supply, and make sure that the water heater has 120 VAC.
2. If the remote controller is installed, press the "ON/OFF" button of the remote controller, and make sure that the STAND BY LED next to the "ON/OFF" button of the remote controller is lit. Restart the water heater.
3. Check for the lighting of the green LED on the PCB (Part # 701) to indicate normal supply of power circuit.
   If the green LED on the PCB (Part #701) isn't lit, some electrical parts can be broken. **Consult the manufacturer.**
   If the green LED is lit, proceed to "**"Water circuit"** in this section.C
4. Check the fuse on the surge box (Part #703), and if it has a brown spot, need to replace it.

**<<Water circuit>>**
1. If you use the remote controller, turn the power button on and then check if the STAND BY LED will light up.
2. Open all hot water faucets, and make sure that there is enough water flow. This water heater needs at least 0.5 GPM water flow (at the default set temperature) to operate.
3. Check for reverse connection and cross connection.
4. Check if the filter on the cold water inlet is clean (Part #406).
5. Check if there is no debris or obstruction on the fixtures.
6. Check if water ways in the water heater are frozen. If so, unfreeze them and refer to the Installation manual to protect your water heater from freezing.
7. Check if the inlet water pressure is higher than 40 psi. And if it's lower than 40 psi, need to increase the pressure.
8. Check for connections and breakage of wires (Part #402).
9. Check if the motor drive of the flow adjustment valve (Part #402) is locked due to scale buildup, and/or water leakage. If so, **Consult the manufacturer**.

## B. Error codes

*The 341, 751 and 941 error codes are applied to the 140 (T-H3M) Indoor model only.

**031: Incorrect DIPswitch setting**
- Check the DIPswitch settings on the PCB (Part #701). Refer to Section **D**.

**101: Warning for the "991" error code**
- Check for the proper supply gas type.
- Check if there is any blockage in the intake air and/or exhaust. Refer to the "Venting instructions" in the Installation manual.
- If the water heater is installed as a direct-vent system, check whether there is enough distance between the intake air terminal and the exhaust terminal. Refer to the "Vent termination clearances" in the Installation manual.
- Check the total vent length. Refer to the "Venting instructions" in the Installation manual.
- Check the altitude/elevation of area of where the water heater is installed. Refer to the **"High-altitude function"** of Section **D** and change the DIPswitch settings.
- Check if there is grease and/or dirt in the burner (Part #101) and the fan motor (Part #103), especially if the water heater has been installed in a contaminated area.
- Check if there is dust and lint in the heat exchanger.
- Check the manifold pressure of the water heater. Refer to "SPECIFICATIONS" in the Installation manual of the water heater.

**111: Ignition failure**
1. Check for proper gas supply pressure at the heater inlet.
2. Check if the Hi-limit switch (Part #411) is properly functioning.
3. Check for connection/breakage of wires (Part #412, 707, 708, 709, 710), and/or soot on the flame rod (Part #108). Check if the O.H.C.F (Part #412) has a breakage, **Consult the manufacturer**.
4. Check if there is a buzzing spark ignition sound coming from the burner (Part #101) when water heater prepares for combustion.
5. Listen for the double "clunk" sound coming from the gas valve assembly (Part #102) when water heater goes into combustion.
6. (Only if sparking and/or kick sound) Check the voltage on each wire to gas valve assembly (Part #102) and/or the igniter assembly (Part #709). Refer to **"Appendix A"** in Section **C**.
   *No sparking sound >>>>> Refer to #1 at **"Appendix A"** in Section **C**.
   *No kick sound >>>>> Refer to #2 at **"Appendix A"** in Section **C**.
7. Check if there is leaking from the heat exchanger (Part #401).
8. Check if there is dust and lint in nozzles of the manifold (Part #102).
9. Check the current on the flame rod (Part #108). Refer to #3 at **"Appendix A"** in Section **C**.

**121: Loss of flame**
1. Check for proper gas supply pressure at the heater inlet.
2. Check if the Hi-limit switch (Part #411) is properly functioning.
3. Check for connection/breakage of wires (Part #412, 707, 708, 710), burn marks on the computer board (Part #701), and/or soot on the flame rod (Part #108). Check if the O.H.C.F (Part #412) has a breakage, **Consult the manufacturer**.
4. Check if there is leaking from the heat exchanger (Part #401).
5. Check if there is dust and lint in nozzles of the manifold (Part #102).
6. Check the current on the flame rod (Part #108). Refer to #3 at **"Appendix A"** in Section **C**.

**311,321,341*: Disconnected/short-circuited thermistor**
- Check for connection/breakage of wires and/or debris on the thermistor (Part #407, 408, 715).
- Check the thermistor resistance. Refer to **"Appendix D"** in Section **C**.

**391: Air-fuel ratio rod failure**
- Check for connection/breakage of wires (Part #708) and/or soot on the flame rod (Part #108).

**510,551: Abnormal main gas solenoid valve and gas solenoid valve**
- Check for connection/breakage of wires (Part #707) and/or burn marks on the computer board (Part #701).
- Reset power supply of the water heater.
- Check the voltage of each valve on the gas valve assembly (Part #102). Refer to **"Appendix C"** in Section **C**.

**611: Fan motor fault**
- Check for connection/breakage of wires, dust buildup in the fan motor (Part #103) and/or burn marks on the computer board (Part #701).
- Check for frozen/corrosion of connectors of the fan motor (Part #103).
- Check the voltage between blue wire and each wire of the fan motor (Part #103). Refer to **"Appendix B"** in Section **C**.

**701: Computer board fault**
- Check for connection/breakage of wires (Part #711), and check the resistance between white wire and red wire. Refer to **"Appendix A"** in Section **C**.

**711: Gas solenoid valve drive circuit failure**
- Refer to the **"111" and "121" error codes** in this section.

**721: False flame detection**
1. Clean the flame rod (Part #108).
2. For indoor models, check if a condensate drain is installed on the vent collar of the water heater.
3. Check if there is leaking from the heat exchanger (Part #401).

**741: Miscommunication between water heater and remote controller**
1. Check the model type of the remote controller. Model No. 9008172005 (TM-RE40) is the correct one.
2. Inspect the connections between the water heater and remote controller. Refer to the "Remote controller connections" of the Installation manual.
3. Check the power supply of the water heater.
4. If this error code appears only on the green LED in the PCB (Part #701), check the voltage on the remote controller terminal on the PCB. Refer to **"Appendix E"** in Section **C**.
5. If this error code appears only on the remote controller, replace the PCB (Part #701).
6. If this error code appears on both the PCB (Part #701) and the remote controller, replace the remote controller.

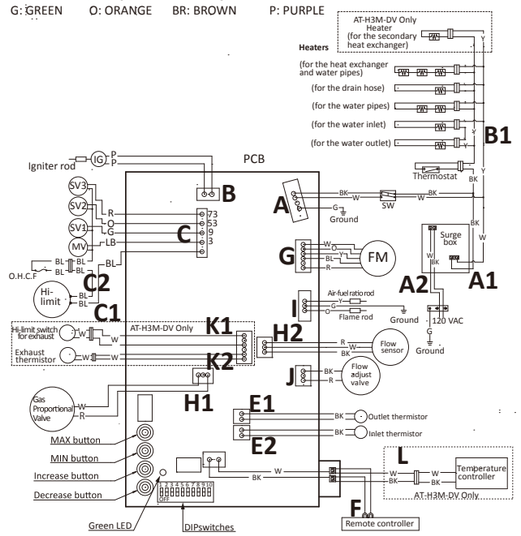
**751*: Miscommunication between water heater and temperature controller**
1. Check the power supply of the water heater.
2. If this error code appears only on the green LED in the PCB (Part #701), check the voltage on the remote controller terminal on the PCB. Refer to **"Appendix E"** in Section **C**.
3. If this error code appears only on the temperature controller (Part #721), replace the PCB (Part #701).
4. If this error code appears on both the PCB (Part #701) and the temperature controller, replace the temperature controller (Part #721).

**941*: Abnormal exhaust temperature (Only 140 (T-H3M) Indoor model)**
- Check for connection/breakage of wires, dust buildup in the fan motor (Part #103) and/or burn marks on the PCB (Part #701).
- Check the exhaust thermistor (Part #715) resistance. Refer to **"Appendix D"** in Section C.

**991: Imperfect combustion**
- Refer to the **"101" error code** in this section.

## C. Wiring diagram and check point of the water heater

W: WHITE BK: BLACK LB: LIGHT BLUE
R: RED BL: BLUE Y: YELLOW
G: GREEN O: ORANGE BR: BROWN P: PURPLE




### Appendix A (For error code 111)

**Check the following points during ignition stage.**

# 1. Refer to check point **"B"** on the wiring diagram above.
Check the voltage between purple wires during ignition process.
(Normal: 108 to 132 VAC)
**This check point is normal?**
**Yes >> Replace the igniter assembly (Part #709).**
**No >> Go to Next.**

# 2. Refer to check points **"C" and "H1"** on the wiring diagram above.
Check the voltages and resistance below during ignition process:
C: Between blue wire and light blue wire (Wire No.3).
(Normal: 93 to 120 VDC/1.35 to 1.65 kΩ)
C: Between blue wire and orange wire (Wire No.53).
(Normal: 93 to 120 VDC/1.35 to 1.65 kΩ)
H1: Check the voltage and resistance between white wire and red wire.
(Normal: 1 to 15 VDC/20 to 40 Ω)
**These check points are normal?**
**Yes >> Replace the gas valve assembly (Part #102).**
**No >> Replace the PCB (Part #701).**

# 3. Check the current through the yellow flame rod wire (Part #708).
(Normal: more than 5 μA)
**This check point is normal during operation?**
**Yes >> Replace the PCB (Part #701).**
**No >> Replace the flame rod (Part #108).**

### Appendix B (For error code 611)

Refer to check point **"G"** in the diagram to the left and the following.
- Check the voltage between red wire and blue wire.
  (Normal: 132 to 192 VDC)
- Check the voltage between yellow wire and blue wire.
  (Normal: 13 to 17 VDC)
- Check the voltage between orange wire and blue wire.
  (Normal: 2.0 to 6.5 VDC)

**All check points are normal?**
**Yes >> Replace the fan motor (Part #103).**
**No >> Replace the PCB (Part #701).**

### Appendix C (For error code 510 and 551)

Refer to check point **"C"** in the diagram to the left and the following.
Check the voltage and resistance on each valve on the gas valve assembly.
- Between blue wire and light blue wire (Wire No.3)
- Between blue wire and green wire (Wire No.9)
- Between blue wire and orange wire (Wire No.53)
  (Normal: 93 to 120 VDC/1.35 to 1.65 kΩ)
- Between blue wire and red wire (WIre No.73)
  (Normal: 93 to 120 VDC/2.07 to 2.53 kΩ)

**All check points are normal?**
**Yes >> Replace the gas valve assembly (Part #102).**
**No >> Replace the PCB (Part #701).**

### Appendix D (For error code 311, 321, 341, and 941)

- Outlet thermistor
  Check point **"E1"**.
- Inlet thermistor
  Check point **"E2"**.

Check the resistance between black wire and black wire.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temperature | °F | 50 | 59 | 68 | 77 | 86 | 95 |
| | °C | 10 | 15 | 20 | 25 | 30 | 35 |
| Resistance | kΩ | 15.4 | 12.6 | 10.3 | 8.5 | 7.0 | 5.9 |

- Exhaust thermistor
  Check point **"K2"**.

Check the resistance between white wire and white wire.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temperature | °F | 50 | 59 | 68 | 77 | 86 | 95 |
| | °C | 10 | 15 | 20 | 25 | 30 | 35 |
| Resistance | kΩ | 19.5 | 15.9 | 13.0 | 10.7 | 8.9 | 7.4 |

**All check points are normal?**
**Yes >> Replace the PCB (Part #701).**
**No >> Replace the thermistor (Part #407, 408, 715).**

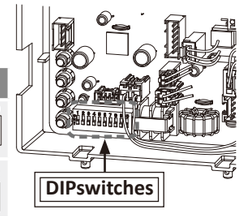
### Appendix E (For error code 741 and 751)

Error code 741: Refer to check point **"F"** on the wiring diagram above.
Error code 751 : Refer to check point **"L"** on the wiring diagram above.
Check the voltage on the remote controller and/or temperature controller on the PCB. • Between black wire and white wire. (Normal: 11 to 25 VDC)

**This check point is normal?**
**Yes >> Replace the remote controller and/or temperature controller.**
**No >> Replace the PCB (Part #701).**

## D. DIPswitch settings on the computer board of the water heater

**Locate the bank of DIPswitches at the bottom left of the computer board of the unit.**
**Change the DIPswitch settings when the power supply is turned off.**
**The dark square is the direction the DIPswitch should be set to. DEFAULT is the factory setting.**




| Gas type* | | Model type* | | Temperature set | |
|---|---|---|---|---|---|
| Propane | ON / OFF 1 2 3 4 5 6 7 8 9 10 | Indoor model** | ON / OFF 1 2 3 4 5 6 7 8 9 10 | 120°F (49°C) DEFAULT | ON / OFF 1 2 3 4 5 6 7 8 9 10 |
| Natural Gas | ON / OFF 1 2 3 4 5 6 7 8 9 10 | Outdoor model | ON / OFF 1 2 3 4 5 6 7 8 9 10 | 140°F (60°C) | ON / OFF 1 2 3 4 5 6 7 8 9 10 |

***Factory setting** ****For Indoor model: Refer to "Venting" section below for proper settings**

**High-altitude function**

| Indoor model | | Outdoor model | |
|---|---|---|---|
| 0 to 2,000 ft. DEFAULT | ON / OFF 1 2 3 4 5 6 | 0 to 2,000 ft. DEFAULT | ON / OFF 1 2 3 4 5 6 |
| 2,000 to 3,000 ft. | ON / OFF 1 2 3 4 5 6 | 2,000 to 4,000 ft. | ON / OFF 1 2 3 4 5 6 |
| 3,000 to 5,000 ft. | ON / OFF 1 2 3 4 5 6 | 4,000 to 6,000 ft. | ON / OFF 1 2 3 4 5 6 |
| 5,000 to 7,500 ft. | ON / OFF 1 2 3 4 5 6 | Over 6,000 ft. | Consult our Technical Services |
| 7,500 to 10,100 ft. | ON / OFF 1 2 3 4 5 6 | | |

**Venting**

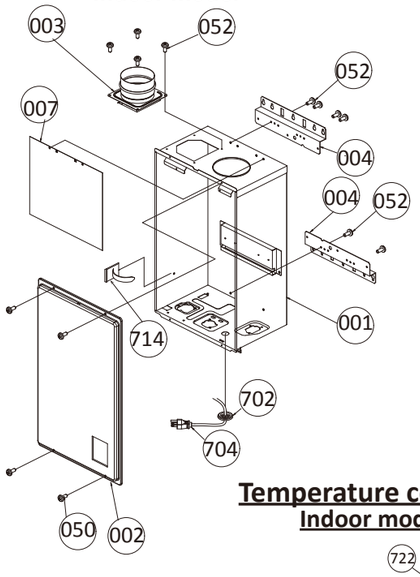
| 2 inch | 3 inch | | 4 inch |
|---|---|---|---|
| Single pipe | Two-pipe | Single pipe | Two-pipe & single pipe |
| 5 to 6.5 ft. ON / OFF 1 2 3 4 5 6 7 8 9 10 | 5 to 20 ft. (DEFAULT) ON / OFF 1 2 3 4 5 6 7 8 9 10 | 5 to 45 ft. (DEFAULT) ON / OFF 1 2 3 4 5 6 7 8 9 10 | 5 to 50 ft. (DEFAULT) ON / OFF 1 2 3 4 5 6 7 8 9 10 |
| N/A | 21 to 40 ft. ON / OFF 1 2 3 4 5 6 7 8 9 10 | 46 to 70 ft. ON / OFF 1 2 3 4 5 6 7 8 9 10 | 51 to 100 ft. ON / OFF 1 2 3 4 5 6 7 8 9 10 |
| N/A | 41 to 70 ft. ON / OFF 1 2 3 4 5 6 7 8 9 10 | N/A | N/A |

FM speed is increased automatically.

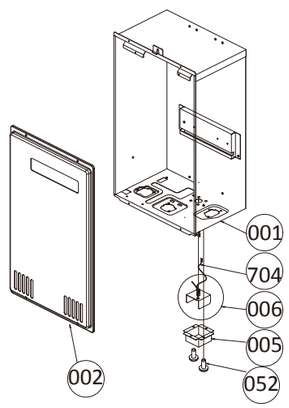
# E. Components diagram / Parts list

## Case assembly

### Indoor model

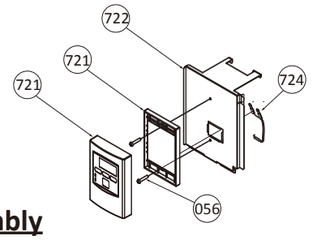



### Outdoor model



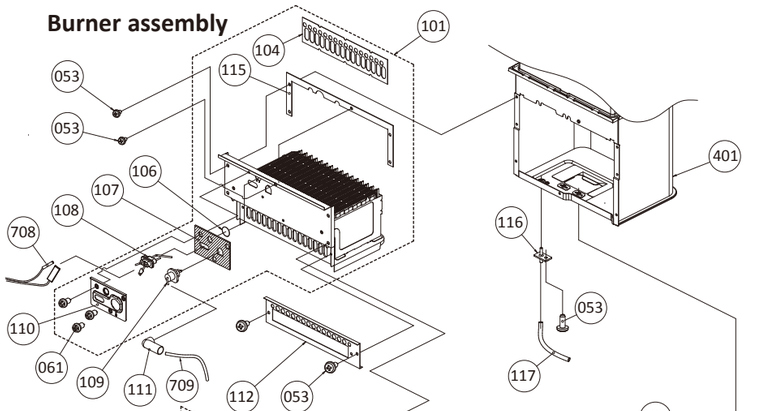

## Temperature contoller

### Indoor model

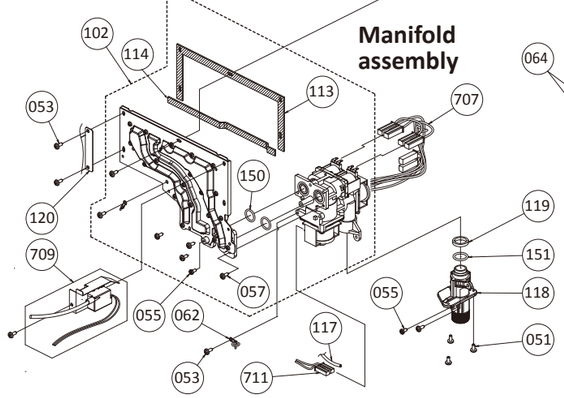



## Burner assembly

### Burner assembly

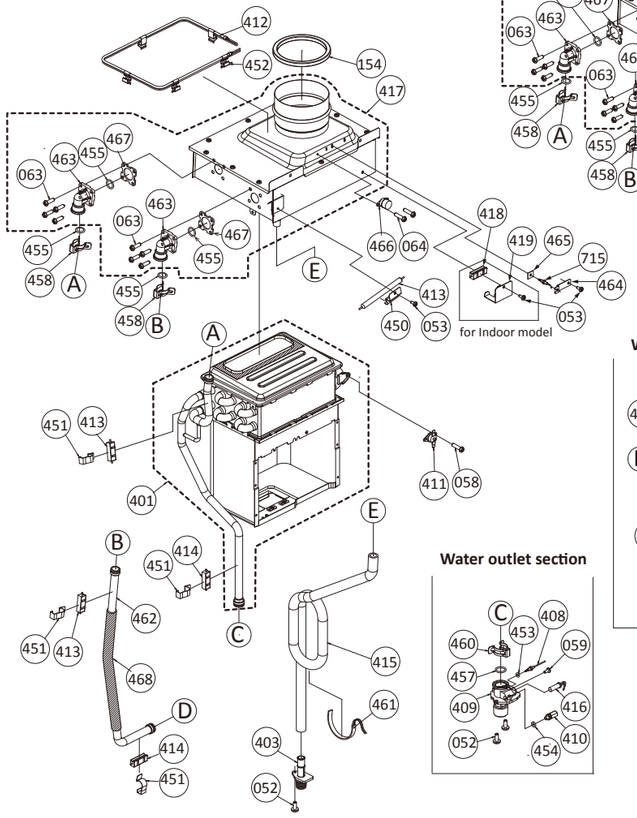



### Manifold assembly

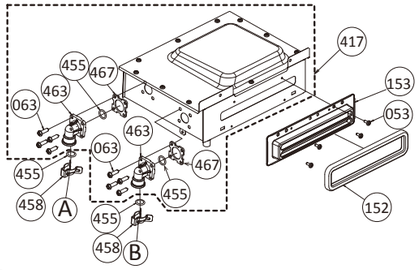



## Water way assembly

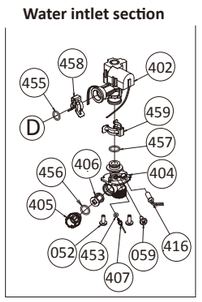
### Indoor model




### Outdoor model



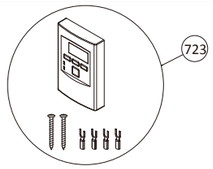

### Water intlet section



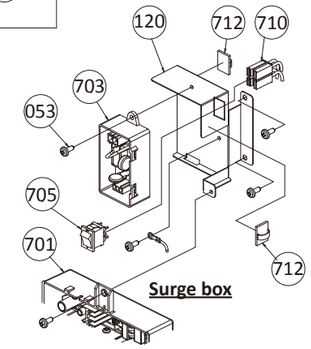

### Water outlet section




## Temperature remote controller

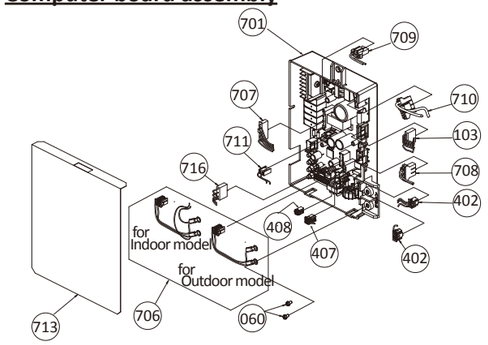



| Item # | Part # | | Description |
|---|---|---|---|
| | 140 model | T-H3M model | |
| 001 | N/A<br>N/A | EK450<br>EK451 | Case assembly for Indoor model<br>Case assembly for Outdoor model |
| 002 | N/A<br>N/A | EK452<br>EK453 | Front cover for Indoor<br>Front cover for Outdoor |
| 003 | 320273-350 | EK454 | Intake air port assembly |
| 004 | N/A | EK455 | Bracket |
| 005 | 319143-510 | EK190 | Junction box |
| 006 | 320273-352 | EK456 | Power supply cord assembly |
| 007 | N/A | EK457 | Back guard panel |
| 050 | 319143-025 | EW000 | Screw M4×12 (W/Washer) |
| 051 | 319143-325 | EW001 | Screw M4×10 (W/Washer) |
| 052 | 319143-026 | EW002 | Screw M4×10 (Coated) |
| 053 | 319143-060 | EW003 | Screw M4x10 |
| 054 | 319143-326 | EW004 | Hex head screw M4×12 (W/Washer) |
| 055 | 319143-063 | EW005 | Hex head screw M4x8 |
| 056 | N/A | EW018 | Pan screw M4X20 |
| 057 | 319143-201 | EKK31 | Tap tight screw M4x12 FEZN |
| 058 | 319143-087 | EW00A | Screw M3x6 SUS |
| 059 | 319143-328 | EW009 | Screw M4x6 |
| 060 | N/A | EK191 | Screw M3x6 |
| 061 | 319143-059 | EW00D | Pan screw M4x8 |
| 062 | 319143-048 | EM167 | Wire clamp 60 |
| 063 | 320273-497 | EW00P | Screw M4x10 |
| 064 | 319143-330 | EW00B | Screw M3x6 SUS3 |




| Item # | Part # | | Description |
|---|---|---|---|
| | 140 model | T-H3M model | |
| 101 | 320273-353 | EK458 | Burner assembly |
| 102 | 320273-354<br>320273-356 | EK459<br>EK460 | Manifold with gas valve assembly LP<br>Manifold with gas valve assembly NA |
| 103 | 319143-443<br>319143-043 | EK109<br>EKK25 | Fan motor for Indoor model<br>Fan motor for Outdoor model |
| 104 | 319143-031 | EKK2X | Burner gasket |
| 105 | 320273-557<br>319143-282 | EK491<br>EM381 | Fan damper for Indoor model<br>Fan damper for Outdoor model |
| 106 | 319143-033 | EKK2V | Burner window |
| 107 | 319143-034 | EKK2W | Rod holder gasket |
| 108 | 319143-517 | EK193 | Flame rod |
| 109 | 320273-357 | EK461 | Igniter rod |
| 110 | 319143-036 | EKK32 | Rod holder |
| 111 | 320273-358 | EK462 | Rod cap |
| 112 | 320273-359<br>320273-360 | EK463<br>EK464 | Burner damper Indoor<br>Burner damper Outdoor |
| 113 | 319143-044 | EKK2Y | Manifold gasket A |
| 114 | 319143-045 | EKK2K | Manifold gasket B |
| 115 | 319143-032 | EKK0G | Burner holder gasket |
| 116 | 319143-042 | EKK2D | Pressure port |
| 117 | 319143-344 | EX019 | Combustion chamber tube |
| 118 | 320273-362 | EK465 | Gas inlet |
| 119 | 319143-049 | EKK2Z | Gas inlet ring |
| 120 | N/A | EK466 | Surge box plate |
| 150 | 319143-350 | EZP18 | O-ring P18 NBR (Black) |
| 151 | 319143-057 | EK042 | O-ring P20 NBR (Black) |
| 152 | 319143-370 | EK442 | Silicon ring for Outdoor model |
| 153 | 319143-121 | EX13J | Exhaust port for Outdoor model |
| 154 | 319143-065 | EKN50 | Silicon ring |

## Computer board assembly




| Item # | Part # | | Description |
|---|---|---|---|
| | 140 model | T-H3M model | |
| 401 | 320273-556 | EK467 | Heat exchanger assembly for 140 Inddor and Outdoor |
| 402 | 319143-463 | EK129 | Flow adjustment valve / Flow sensor |
| 403 | 319143-018 | EKH23 | Condensate drain port |
| 404 | 319143-193 | EKK1U | Water inlet |
| 405 | 319143-197 | EKK2B | Inlet drain plug |
| 406 | 319143-198 | EKK2C | Inlet water filter |
| 407 | 319143-214 | EKK4J | Inlet thermistor |
| 408 | 319143-529 | EK207 | Outlet thermistor |
| 409 | 319143-466 | EK104 | Water outlet |
| 410 | 319143-199 | EKK2E | Outlet drain plug |
| 411 | 319143-228 | EM212 | Hi-Limit switch |
| 412 | 319143-067 | EX02A | Overheat-cut-off fuse |
| 413 | 320273-364 | EK468 | Pipe heater |
| 414 | 320273-365 | EK469 | Inlet heater |
| 415 | 320273-366 | EK470 | Drain tube |
| 416 | 319143-468 | EK105 | Inlet heater |
| 417 | 320273-553<br>320273-554 | EK471<br>EK472 | Secondary heat exchanger for Indoormodel<br>Secondary heat exchanger for Outdoor model |
| 418 | 320273-367 | EK473 | Secondary heat exchanger heater |
| 419 | N/A | EK474 | Heater fixing plate |
| 450 | N/A | EK475 | Pipe heater fixing plate |
| 451 | 319143-125 | EK031 | Heater fixing plate 16 |
| 452 | N/A | EK476 | Fuse fixing plate |
| 453 | 319143-082 | EZF04 | O-ring P4 FKM |
| 454 | 319143-080 | EZF06 | O-ring P6 FKM |
| 455 | 319143-100 | EZF14 | O-ring P14 FKM |
| 456 | 319143-091 | EZF15 | O-ring P15 FKM |
| 457 | 319143-083 | EZF16 | O-ring P16 FKM |
| 458 | 319143-105 | EKK24 | Fastener “14-22” |
| 459 | 319143-226 | EM192 | Fastener “16A” |
| 460 | 319143-205 | EKK39 | Fastener “16-25A” |
| 461 | 319143-535 | EK217 | Flat heater |
| 462 | 320273-555 | EK477 | Cold pipe for 140 model |
| 463 | 320273-368 | EK478 | Header connection |
| 464 | 319143-106 | EX13H | Thermistor fixing plate |
| 465 | 319143-111 | EX13L | Exhaust thermistor gasket |
| 466 | 319143-104 | EKH6G | Hi-limit switch for exhaust |
| 467 | 319143-542 | EK229 | Gasket |
| 468 | 319143-558 | EK479 | Inlet pipe packing |
| 701 | 320273-369 | EK480 | Computer board |
| 702 | 319143-426 | EX148 | Rubber grommet |
| 703 | 320273-128 | EK280 | Surge box |
| 704 | 319143-427<br>319143-546 | EK146<br>EK143 | 120 VAC wire for Indoor model<br>120 VAC wire for Outdoor model |
| 705 | 319143-141 | EKK4V | 120 VAC Power ON-OFF switch |
| 706 | 320273-376<br>319143-473 | EK481<br>EK138 | Remote controller wire for Indoor model<br>Remote controller wire for Outdoor model |
| 707 | 320273-379 | EK482 | Gas valve wire |
| 708 | 320273-380 | EK483 | Flame rod wire |
| 709 | 320273-381 | EK484 | Igniter assembly |
| 710 | 319143-185 | EKJ59 | Freeze protection thermostat |
| 711 | 319143-481 | EK112 | Proportional gas valve wire |
| 712 | N/A | EX004 | Nylon clamp FC6 |
| 713 | 319143-191 | EKK1M | Computer board cover |
| 714 | 319143-500 | EX13C | Cable clamp for Indoor model |
| 715 | 319143-131 | EKH6E | Exhaust thermistor for Indoor model |
| 716 | 319143-501 | EK180 | Exhaust Hi-limit switch wire |
| 721 | 320273-684 | EK487 | Temperature controller for Indoor model |
| 722 | N/A | EK490 | Fixing plate |
| 723 | 319143-485 | TM-RE40 | Temperature remote controller |
| 724 | 320273-512 | EK489 | Remote controller connection wire |