

DAIKIN



Marine type Container Refrigeration Unit

Service Manual · Parts List

Optional Functions

LXE10E-A27A
LXE10E-A27B

DAIKIN INDUSTRIES, LTD.

TR06-03

Covered Models

Regarding the features and operation of the unit, this service manual describes the items which are different from those of the service manual TR01-09A.

| NO. | Item | Different points from service manual (Maintenance and Repair) |
|-----|---------------------------|--|
| 1☆ | Dehumidification function | Refer to the details in the following pages. |
| 2☆ | Trans FRESH (PROVISION) | Provided |

For the ☆ marked items, refer to the details in the following pages.

The difference of LXE10E-A27A and A27B.

| Model | Controller |
|-------------|-------------|
| LXE10E-A27A | DECOS III c |
| LXE10E-A27B | DECOS III d |

*Differences from standard model service manual (TR01-09A) are marked with ☆

CONTENTS

Safety Precautions

| | | |
|-----------|--|------------|
| • | Danger | 3 |
| • | Warning | 4 |
| • | Caution | 5 |
| 1. | Introduction | 1-1 |
| ☆ | 1.1 Operation range | 1-1 |
| ☆ | 1.2 Basic Names of components | 1-1 |
| | 1.3 Basic operation of refrigeration unit | 1-2 |
| | 1.3.1 Starting operation | 1-2 |
| | 1.3.2 Checking during operation | 1-3 |
| | 1.3.3 Procedure after operation | 1-3 |
| | 1.3.4 Adjust the ventilation | 1-4 |
| 2. | General description | 2-1 |
| | 2.1 Main specifications | 2-1 |
| | 2.2 Names of components | 2-2 |
| ☆ | 2.2.1 Outside | 2-2 |
| | 2.2.2 Inside | 2-4 |
| | 2.2.3 Control box | 2-6 |
| | 2.3 Set point of functional parts and protection devices | 2-9 |
| | 2.4 Operating pressure and running current | 2-10 |
| ☆ | 2.5 Operation modes and control | 2-14 |
| | 2.5.1 Frozen mode | 2-15 |
| | 2.5.2 Chilled and partial frozen mode | 2-17 |
| | 2.5.3 Defrosting mode | 2-19 |
| ☆ | 2.5.4 Dehumidification mode (Optional) | 2-22 |
| | 2.5.5 Common control | 2-23 |
| 3. | Electronic Controller | 3-1 |
| | 3.1 Function table | 3-1 |
| | 3.2 Basic operation of electronic controller | 3-3 |
| | 3.2.1 Control panel | 3-3 |
| | 3.2.2 Operation mode and control | 3-5 |
| | 3.3 Operation procedure | 3-6 |
| | 3.3.1 Operation procedure flow chart | 3-6 |
| | 3.3.2 Mode operation procedure | 3-9 |
| | 1. Current (Operation state) indication mode | 3-9 |
| | 2. Operation setting mode | 3-10 |
| | 3. Battery mode | 3-11 |
| ☆ | 4. Mode operation | 3-12 |
| | 5. LED display light-OFF mode | 3-14 |
| | 6. Sensor indication mode | 3-15 |
| | 7. Temperature record scroll mode | 3-18 |
| | 8. Alarm record scroll mode | 3-21 |
| | 9. PTI record scroll mode | 3-23 |
| | 3.3.3 Setting flow chart | 3-24 |
| | 10. Optional function setting mode | 3-26 |
| | 11. Basic function setting mode | 3-27 |
| | 12. Optional condition setting mode | 3-29 |
| | 13. Input data mode | 3-31 |
| | 14. Controller software download mode | 3-32 |
| | 3.4 Alarm display and back-up function | 3-33 |
| ☆ | 3.4.1 Alarm list | 3-33 |
| | 3.4.2 Back-up operation at sensor malfunction | 3-34 |
| ☆ | 3.5 Battery | 3-36 |
| | 3.5.1 Specifications | 3-36 |
| | 3.5.2 Function | 3-36 |
| | 3.6 Information interchange with personal computer | 3-37 |
| | 3.6.1 Data logging | 3-38 |
| | 3.6.2 Software configuration | 3-39 |
| | 3.7 Inspection procedure for the electronic controller | 3-41 |
| | 3.8 Controller replacement and the initial setting | 3-42 |
| | 3.8.1 Controller replacement | 3-42 |
| | 3.8.2 Initial setting & operation procedure | 3-43 |
| | 3.8.3 Initial setting table into spare controller | 3-44 |
| | 3.9 PTI (Pre-Trip Inspection) and periodic inspection | 3-45 |
| | 3.9.1 Inspection item | 3-46 |
| | 3.9.2 Automatic PTI (Pre-Trip Inspection) | 3-49 |
| | 3.9.2.1 PTI selection mode | 3-50 |
| | 3.9.2.2 Short PTI (S.PTI) | 3-51 |
| | 3.9.2.3 Full PTI (F.PTI) | 3-52 |
| | 3.9.2.4 Alarm list during PTI (Pre-Trip Inspection) | 3-53 |
| | 3.9.2.5 Manual check (M.CHECK) | 3-54 |
| | 3.10 Chartless function | 3-56 |
| | 3.10.1 Chart indication function | 3-56 |
| | 3.10.2 P code (Pull down time indication) | 3-58 |
| | 3.10.3 Chartless code display function | 3-59 |
| | 3.10.3.1 List of chartless code | 3-59 |
| | 3.10.3.2 H-code | 3-60 |
| | 3.10.3.3 d-code: | 3-62 |
| | 3.11 Communication modem | 3-63 |
| 4. | Service and Maintenance | 4-1 |
| | 4.1 Maintenance service | 4-1 |
| | 4.1.1 Collection of refrigerant | 4-1 |
| | 4.1.2 Gauge manifold | 4-1 |
| | 4.1.3 Automatic pump down | 4-3 |
| | 4.1.4 Refrigerant recovery and charge | 4-5 |
| | 4.2 Main components and maintenance | 4-9 |
| | 4.2.1 Scroll compressor | 4-9 |
| | 4.2.2 Fan and fan motor | 4-11 |
| | 4.2.3 PT and CT board (EC9756) | 4-12 |
| ☆ | 4.2.4 Electronic expansion valve | 4-14 |
| | 4.2.5 Suction modulation valve | 4-15 |
| | 4.2.6 Drier | 4-16 |
| | 4.2.7 Solenoid valve | 4-17 |
| | 4.2.8 Discharge pressure regulating valve | 4-18 |
| | 4.2.9 Check valve | 4-18 |
| | 4.2.10 High-pressure switch (HPS) | 4-19 |
| | 4.2.11 Low pressure transducer (LPT) | 4-19 |
| | 4.2.12 High pressure transducer (HPT) | 4-20 |
| | 4.2.13 Air-cooled condenser and evaporator | 4-20 |
| | 4.2.14 Fusible plug | 4-21 |
| | 4.2.15 Liquid/moisture indicator | 4-21 |
| | 4.2.16 Evacuation and dehydrating | 4-22 |
| 5. | Optional Devices | 5-1 |
| | 5.1 Electronic temperature recorder | 5-1 |
| | 5.2 USDA transportation | 5-3 |
| | 5.2.1 Type of USDA sensor/receptacle | 5-3 |
| | 5.2.2 Initial setting | 5-3 |
| | 5.2.3 USDA sensor calibration | 5-3 |
| | 5.2.4 USDA transportation requirement | 5-3 |
| | 5.2.5 USDA report | 5-3 |
| ☆ | 5.3 TransFRESH | 5-5 |
| 6. | Troubleshooting | 6-1 |
| | 6.1 Refrigeration system and electrical system | 6-1 |
| | 6.2 Alarm codes on electronic controller | 6-4 |
| | 6.3 Troubleshooting for automatic PTI (J-code) | 6-9 |
| | 6.4 Diagnosis based on the recording chart | 6-11 |
| | 6.5 Emergency operation | 6-14 |
| | 6.5.1 Emergency operation of controller | 6-14 |
| | 6.5.2 Short circuit operation of controller | 6-15 |
| | 6.5.3 Opening adjustment of electronic expansion valve | 6-16 |
| | 6.5.4 Opening adjustment of suction modulation valve: | 6-17 |
| | 6.5.5 Automatic Back up for supply/ return air temperature sensors | 6-18 |
| | 6.6 Troubleshooting for automatic PTI (J-code) | 6-19 |
| 7. | Appendix | 7-1 |
| | 7.1 Standard tightening torques for bolts | 7-1 |
| | 7.2 Standard tightening torque for flare nut | 7-1 |
| | 7.3 Resistance of motor coil and solenoid valve coil | 7-1 |
| | 7.4 HFC134a, temperature-vapor pressure characteristics table | 7-2 |
| | 7.5 Temperature conversion table and temperature sensor (SS/RS/DSS/DRS/RSS/RRS/EIS/EOS/SGS/AMBS) characteristics table | 7-3 |
| | 7.6 Temperature conversion table and temperature sensor (DCHS) characteristics table | 7-4 |
| | 7.7 High pressure transducer characteristics table | 7-4 |
| | 7.8 Low pressure transducer characteristics table | 7-4 |
| ☆ | 7.9 Piping diagram | 7-5 |
| | 7.10 Pilot lamps and monitoring circuit | 7-6 |
| | 7.11 Fuse protection table | 7-7 |
| ☆ | 7.12 Schematic wiring diagram | 7-9 |
| | 7.13 Stereoscopic wiring diagram | 7-10 |

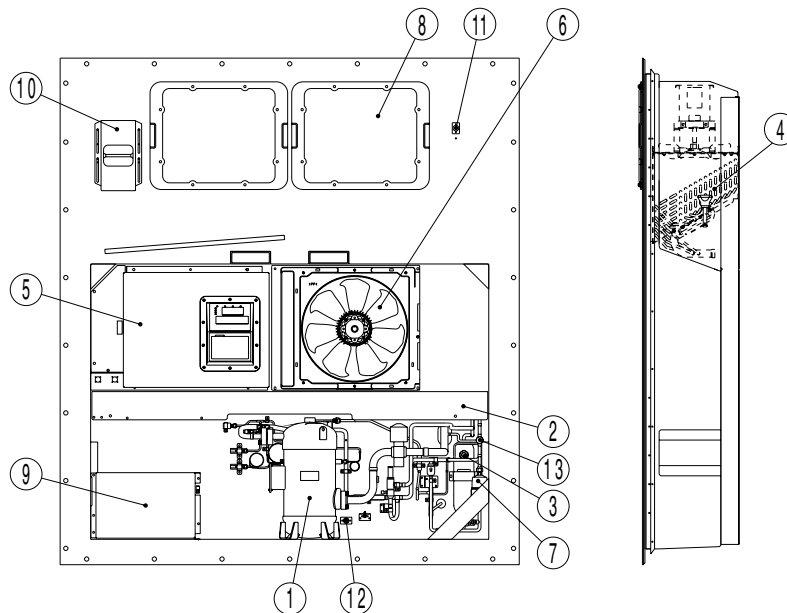
1. Introduction

1.1 OPERATION RANGE

Use the units within the following range.

| Item | Operation range |
|---------------------------|---|
| Ambient temperature range | -30°C to +50°C (-22°F to + 122°F) |
| Inside temperature range | -30°C to +30°C (-22°F to + 86°F) |
| Voltage | 50Hz: 380V/400V/415V, 60Hz: 440V/460V Voltage fluctuation rate should be within ±10% |
| Vibration and shock | 2G |

1.2 BASIC NAMES OF COMPONENTS



- | | |
|---|---|
| ① Compressor | ⑧ Access panel |
| ② Air-cooled condenser | ⑨ Storage space for power cable |
| ③ Receiver | ⑩ Ventilator |
| ④ Evaporator | ⑪ Sampling port (Return) (Use this port to measure the inside return air temperature.) |
| ⑤ Control box (Outside: switch, manual defrost switch, monitoring receptacle Inside: circuit breaker) | ⑫ Gas sampling port Sampling port (Supply) (This is used to measure the inside supply air temperature and inside CO ² concentration.) |
| ⑥ Condenser fan | ⑬ Liquid moisture indicator |
| ⑦ Drier | |

2. General description

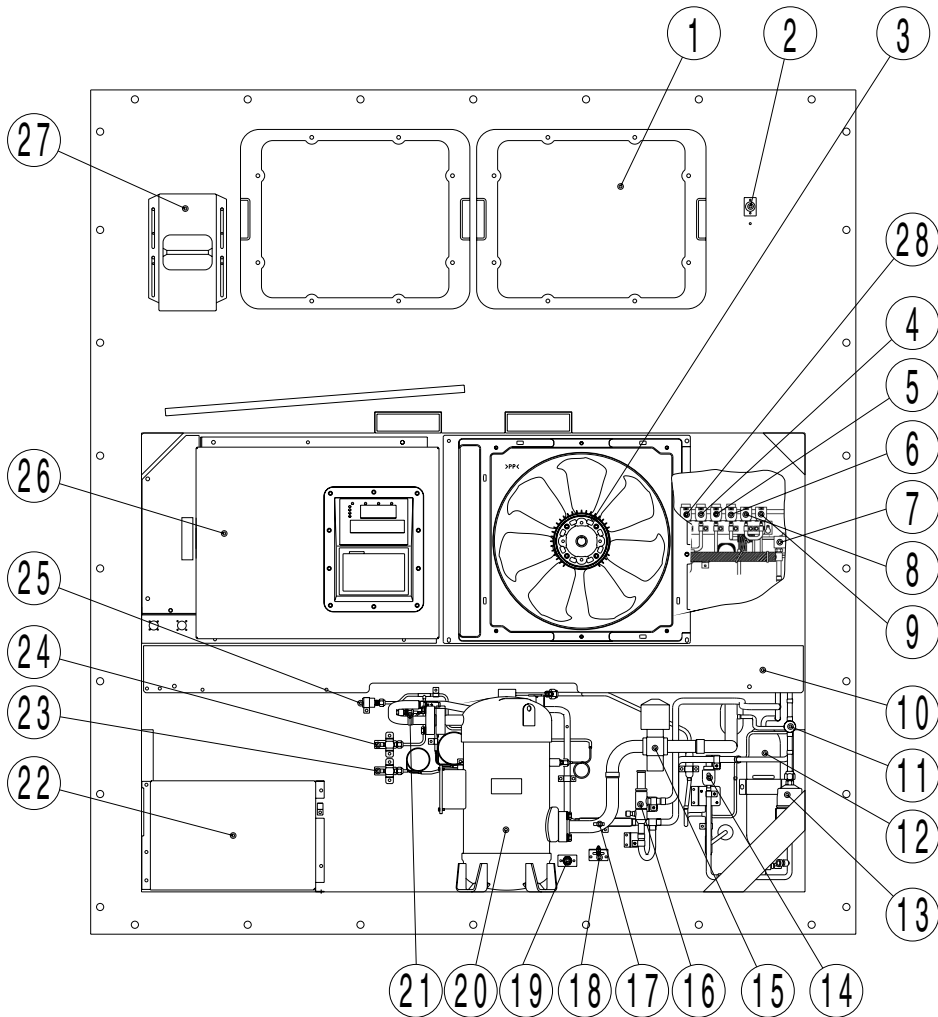
2.1 Main specifications

| Item | Model | LXE10E |
|---------------------------------------|-------------|--|
| Condenser cooling system | | Air cooled type |
| Controller | | DECOS III C (A27A) DECOS III d (A27B) |
| Power supply | | AC 3-phase 380V/400V/415V 50Hz, 440V/460V 60Hz |
| Compressor | | Hermetic scroll type (Motor output: 5.5kW) |
| Evaporator | | Cross fin coil type |
| Air-cooled condenser | | Cross fin coil type |
| Evaporator fan | | Propeller fan |
| Evaporator fan motor | | Three-phase squirrel-cage induction motor |
| Condenser fan | | Propeller fan |
| Condenser fan motor | | Three-phase squirrel-cage induction motor |
| Defrosting | System | Hot-gas defrosting system |
| | Initiation | Dual timer, on-demand defrost and manual switch |
| | Termination | Detecting the temperature of evaporator outlet pipe and return air |
| Refrigerant flow control | | Electronic expansion valve |
| Capacity control | | Capacity control with hot gas bypass and suction modulating valve |
| Protective devices /Safety devices | | Circuit breaker, PT/CT board (for over current protection). Compressor thermal protector Condenser fan-motor thermal protector Evaporator fan-motor thermal protector High-pressure switch, Fusible plug, Fuse (10A, 5A) |
| Refrigerant (charged amount) | | R134a : 4.6 (kgf) |
| Refrigerant oil (charged amount) | | IDEMITSU, Daphne hermetic oil FVC 46D : 2.2(ℓ) |
| Weight | | 495(kgf) |

2.2 Names of components

2.2.1 Outside

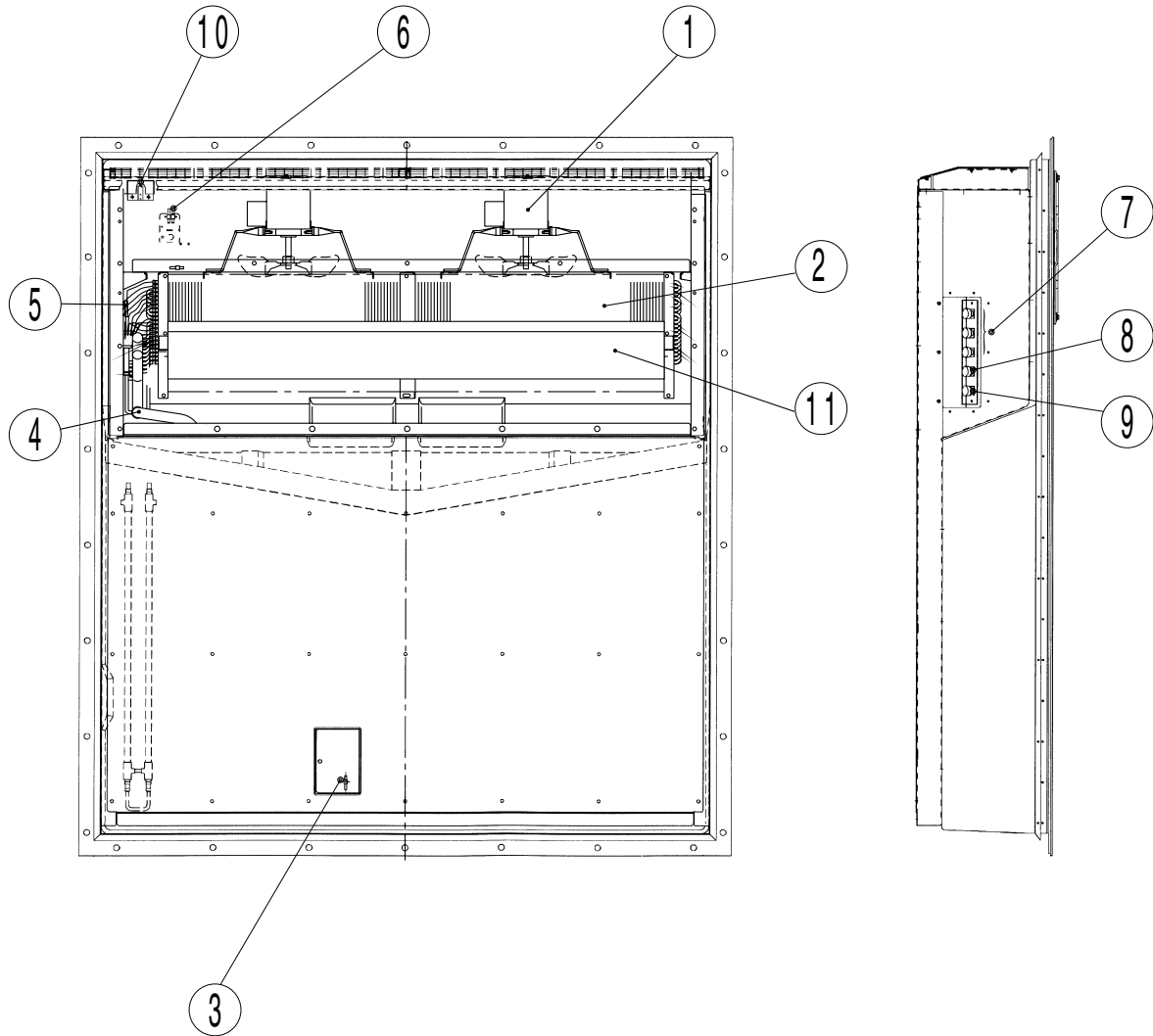
●LXE10E



- | | |
|--|--|
| ① Access panel | ⑩ Air-cooled condenser |
| ② Thermometer check port (Return air) | ⑪ Liquid/moisture indicator |
| ③ Condenser fan motor (CFM) | ⑫ Liquid receiver |
| ④ Hot-gas solenoid valve (HSV) | ⑬ Drier |
| ⑤ Defrost solenoid valve (DSV) | ⑭ Liquid solenoid valve (LSV) |
| ⑥ Discharge gas by-pass solenoid valve (BSV) | ⑮ Suction modulating valve (SMV) |
| ⑦ Electronic expansion valve (EV) | ⑯ Discharge pressure regulating valve (DPR) |
| ⑧ Economizer solenoid valve (ESV) | ⑰ Compressor suction pipe temperature sensor (SGS) |
| ⑨ Injection solenoid valve (ISV) | ⑱ Ambient temperature sensor (AMBS) |
| ⑩ Air-cooled condenser | ⑲ Thermometer check port (Supply air) |
| ⑪ Liquid/moisture indicator | ⑳ Compressor (MC) |
| ⑫ Liquid receiver | ㉑ Discharge pipe temperature sensor (DCHS) |
| ⑬ Drier | ㉒ Storage space for power cable |
| ⑭ Liquid solenoid valve (LSV) | ㉓ Low pressure transducer (LPT) |
| ⑮ Suction modulating valve (SMV) | ㉔ High pressure transducer (HPT) |
| ⑯ Discharge pressure regulating valve (DPR) | ㉕ High pressure switch (HPS) |
| ⑰ Compressor suction pipe temperature sensor (SGS) | ㉖ Control box |
| ⑱ Ambient temperature sensor (AMBS) | ㉗ Ventilation |
| ⑲ Thermometer check port (Supply air) | ㉘ Reheat coil solenoid valve (RSV) |
| ⑳ Compressor (MC) | |
| ㉑ Discharge pipe temperature sensor (DCHS) | |
| ㉒ Storage space for power cable | |
| ㉓ Low pressure transducer (LPT) | |
| ㉔ High pressure transducer (HPT) | |
| ㉕ High pressure switch (HPS) | |
| ㉖ Control box | |
| ㉗ Ventilation | |
| ㉘ Reheat coil solenoid valve (RSV) | |

2.2.2 Inside

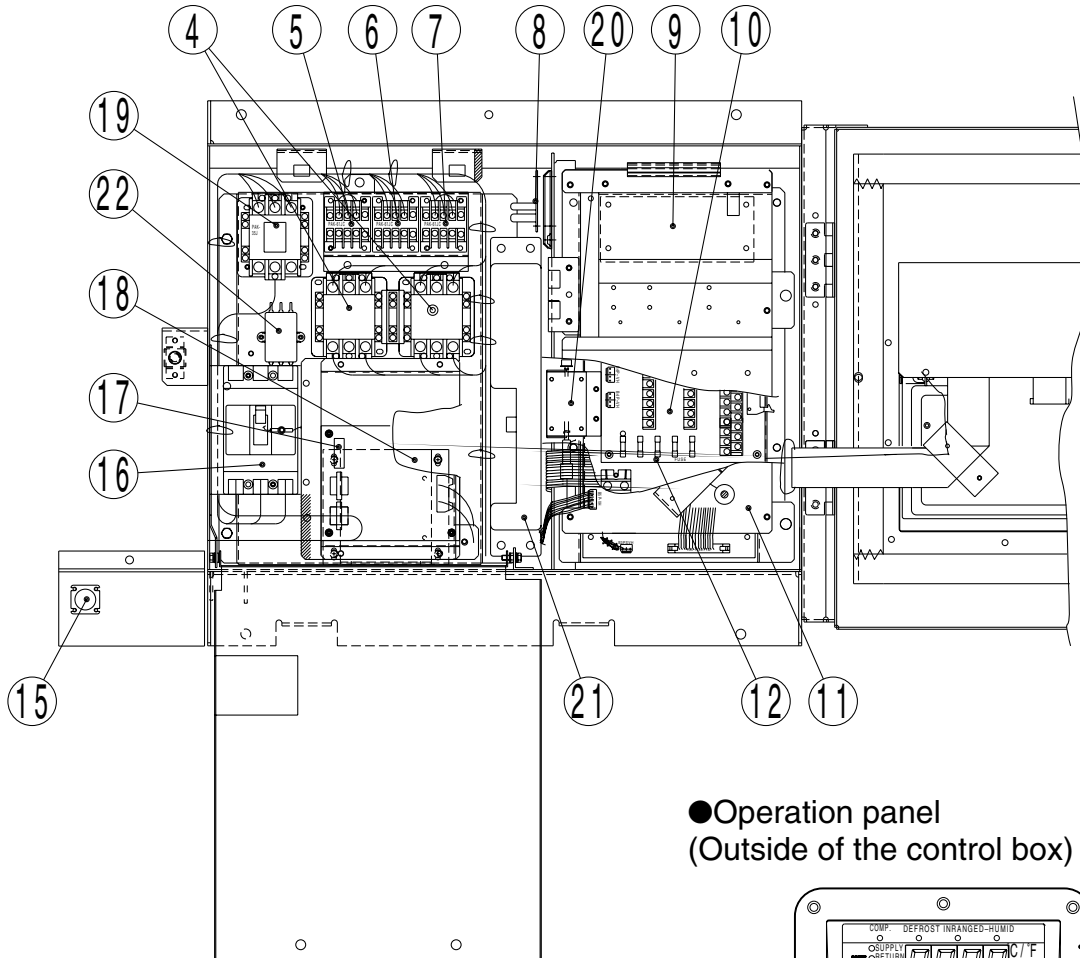
●LXE10E



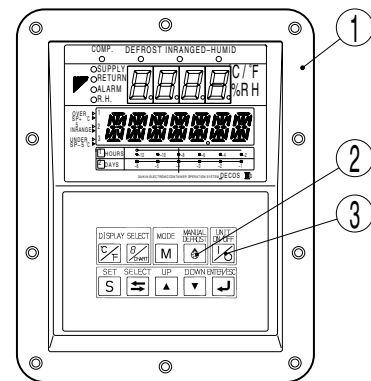
- ① Evaporator fan motor (EFM)
- ② Evaporator
- ③ Supply air temperature sensor (SS)
Data recorder supply air temperature sensor (DSS)
Recorder supply air temperature sensor (RSS, optional)
- ④ Evaporator outlet pipe temperature sensor (EOS)
- ⑤ Evaporator inlet pipe temperature sensor (EIS)
- ⑥ Return air temperature sensor (RS)
Data recorder return air temperature sensor (DRS, optional)
Recorder return air temperature sensor (DRS, optional)
- ⑦ USDA receptacle (optional)
- ⑧ Cargo temp. receptacles
- ⑨ P.C. Port receptacles
- ⑩ Humidity sensor
- ⑪ Reheat coil

2.2.3 Control box

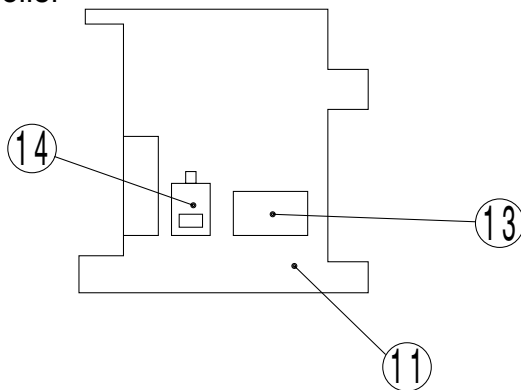
● Inside of the control box



● Operation panel (Outside of the control box)



● Controller



- | | |
|--|---|
| ① Controller operation panel (EC3, 4) | ⑫ Fuse (Fu1-6) |
| ② MANUAL DEFROST key | ⑬ Rechargeable battery (BAT) |
| ③ UNIT ON/OFF key | ⑭ Voltage indicator |
| ④ Phase correction contactor (PCC1,2) | ⑮ Personal computer receptacle |
| ⑤ Magnetic contactor for high speed evaporator fan (EFH) | ⑯ Circuit breaker (CB) |
| ⑥ Magnetic contactor for low speed evaporator fan (EFL) | ⑰ PT/CT board |
| ⑦ Magnetic contactor condenser fan (CFC) | ⑱ Transformer (TrC), control circuit |
| ⑧ Reverse phase protection device (RPP) | ⑲ Magnetic contactor for compressor (CC) |
| ⑨ Adopter PCB (EC6) | ⑳ P.C.B for humidity sensor (HUS, optional) |
| ⑩ Terminal block board (TB1) | ㉑ Modem (RCD, optional) |
| ⑪ Controller CPU / IO board (EC1, 2) | ㉒ Noise filter (NF, optional) |

2.3 Set point of functional parts and protection devices

| | Device name | | Actuation | Set point | Detection method | Symbol | | | |
|--|--|---------------------|--|--|--|--------------------------------------|----|--|---------|
| Pressure switch | High-pressure switch | | OFF ON | 2400kPa (24.47kg/cm ²) 1900kPa (19.37kg/cm ²) | High-pressure switch | HPS | | | |
| | Water pressure switch (optional) | | OFF ON | 98kPa (1.0kg/cm ²) 39kPa (0.4kg/cm ²) | Water pressure switch | WPS | | | |
| Electronic controller | Mode selection | Chilled mode | | ON | A27A (DECOS III c) +30.0°C to -2.9°C (+86.0°F to +26.8°F) A27B (DECOS III d) +30.0°C to -3.0°C (+86.0°F to +26.6°F) | Set point temperature | EC | | |
| | | Partial frozen mode | | | A27A (DECOS III c) -3.0°C to -10.0°C (+26.6°F to +14.0°F) A27B (DECOS III d) -3.1°C to -10.0°C (+26.4°F to +14.0°F) | | | | |
| | | Frozen mode | | | -10.1°C to -30.0°C (+13.8°F to -22.0°F) | | | | |
| | Delay timer | Fan | Change-over for Hi/Lo After defrosting | | ON | 10 seconds | | | |
| | | | At starting | | | 60 seconds | | | |
| | Defrosting timer | Compressor | Short | | ON | 4 hours ※1 | | | |
| | | | Long | | | 3, 6, 9, 12, 24 and 99 hours(※2) | | | |
| | Defrosting timer | Initiation | Back-up | | OFF | 90 minutes | | | |
| | | | In-range masking | | | 90 minutes ※3 | | | |
| | | | Out-range guard | | ON | 30 minutes | | | |
| | Defrosting termination set point | | OFF | 30°C (86°F) | Reset | Evaporator outlet temperature sensor | | | EOS |
| | | | | 15°C (59°F) ※4 | | Return air temperature sensor | | | RS, DRS |
| | High-pressure control for Condenser fan (※Frozen only) | | OFF ON | 800kPa (8.2kg/cm ²) ※7 1000kPa (10.2kg/cm ²) | | High-pressure transducer | | | HPT |
| | Discharge gas temperature protection set point | Pull down | | OFF | 135°C (275°F) | Discharge gas temperature sensor | | | DCHS |
| | | LPT>50kpa | | Reset | After 3 minutes elapsed | | | | |
| Discharge gas temperature protection set point | LPT≤50kpa | | OFF | 128°C (262°F) | | | | | |
| | | | Reset | After 3 minutes elapsed | | | | | |
| Overcurrent protection set point (Cutout) | | OFF | 26.0A | Reset | PT/CT board | CT2 | | | |
| | | | After 3 minutes elapsed | | | | | | |
| Current control | | Control | 50Hz : 16.1A 60Hz : 17.4A | | PT/CT board | CT1 | | | |
| High pressure control | | Control | 2300 to 2350 kPa (23.5 to 24.0 kg/cm ²) | | High pressure sensor | HPT | | | |
| Current | Circuit breaker | | OFF | 30A | | CB | | | |
| | Fuse | | OFF | 5A, 10A ※5 | | Fu | | | |
| Motor | Evaporator fan motor thermal protector | | OFF | 132°C (270°F) | | | | | |
| | Condenser fan motor thermal protector | | OFF | 135°C (275°F) | | MTP | | | |
| | Compressor motor thermal protector | | OFF | 140°C (284°F) | | CTP | | | |

(※1) When Return air (RS) is lower than -20°C, defrost starts every 6 hours.

(※2) When "99" hours is selected, refer to on demand defrost in 2.5.3. (TR01-09A)

(※3) When Inside set point is -20.0°C or Lower, In-range masking is 120min.

(※4) If defrost is initiated when inside temperature is out range area. (= In-range LED is not light), this condition is added to finish defrost. Refer to "Defrosting termination" in 2.5.3. (TR01-09A)

(※5) Refer to "Fuse Protection table" in 7.11. (TR01-09A)

(※7) When dehumidification is ON in dehumidification mode, the setting figure may change between 900~2100kPa automatically (Refer to "High Pressure Control" Page 2-17/TR01-09A)

2.4 OPERATION MODES AND CONTROL

The relationship between the operation mode and setting temperature is as follows.

| Operation mode | Setting temperature | Control sensor | Operation description |
|---------------------|--|-------------------------------|---|
| Frozen mode | -10.1°C to -30.0°C (+13.8°F to -22.0°F) | Return air temperature sensor | Compressor ON/OFF control |
| Partial frozen mode | A27A (DECOS III c) -3.0°C to -10.0°C (+26.6°F to +14.0°F) A27B (DECOS III d) -3.1°C to -10.0°C (+26.4°F to +14.0°F) | Return air temperature sensor | Capacity control operation with suction modulating valve and hot-gas bypass control |
| Chilled mode | A27A (DECOS III c) -30.0°C to -2.9°C (+86.0°F to +26.8°F) A27B (DECOS III d) -30.0°C to -3.0°C (+86.0°F to +26.6°F) | Supply air temperature sensor | Capacity control operation with suction modulating valve and hot-gas bypass control |
| Defrosting mode | - | - | Hot-gas defrosting with refrigerant metering control |

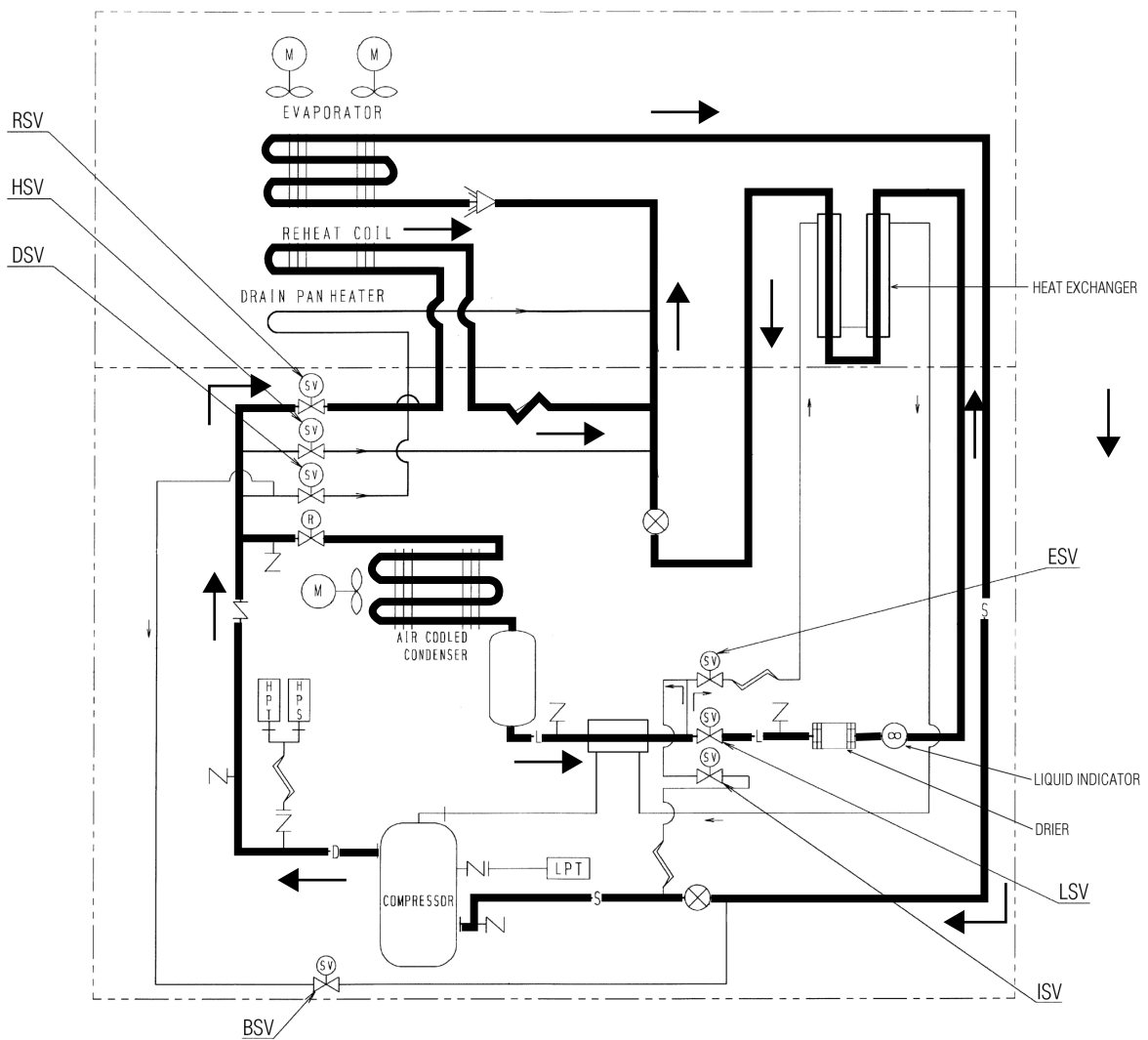
3 Dehumidification mode

The unit have dehumidification control by a reheat coil, which is under the evaporator coil. To execute dehumidification, controller setting is required. (Refer to Page 3-12)


In dehumidification, the Reheat Solenoid Valve (RSV) opens to give high pressurized refrigerant to reheat coil. The "DEHUMID" LED lamp will light up.

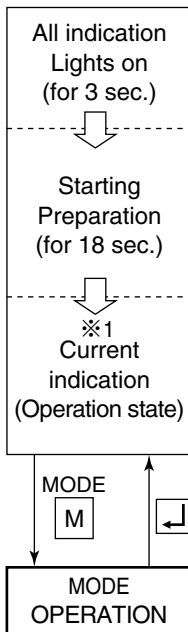
The following setting can be made:

- 1) Dehumidification range: 60%RH–95%RH



4. Mode Operation

Press the  key in current indication mode to go to MODE operation.



In mode operation, the following settings/operations are available.

1. Generator setting

Total power consumption can be reduced to desired Max setting for the specific generators set or power facilities.

The selections are "off (No limit)", "15" "14" "13" "12" "11" KVA.

2. Automatic pump down

Pump down can be executed automatically.

(Refer to "Automatic pump down" in 4.1.3/TR01-09A)

3. Dehumidification mode setting

Dehumidification mode can be executed in this mode (M. Dehumidification mode control in 2.5.4/TR01-09A)

When "Dehumidification" is set to "on", it is possible to change the following set from default.

① Inside humidity : 95% ~60% RH

5 Alarm display and back-up function

5.1 Alarm list

| Alarm grouping | Alarm code | Alarm content | Action with alarm | |
|------------------------------------|--|--|---|---|
| Permanent stop | F101 | HPS activated within 30 seconds after operation start or protection device activated 5 times at start-up operation or Fuse 1 brown (Refer Page 7-7). | Unit stops | |
| | F109 | Low- pressure drops to-85kPa or lower within 2 seconds after operation start. | Unit stops | |
| | F111 | HPS does not activate when it reaches to the set value. | Unit stops | |
| | F301 | Temperature setting required (SRAM failure) | Unit stops | |
| | F401 | Return/Supply air sensor malfunction (at chilled mode) | Unit stops | |
| | F403 | Return/Supply air sensor malfunction (at partial frozen mode) | Unit stops | |
| | F603 | Suction modulating valve (SMV) does not fully close contrary to the designation or initial setting of the controller is wrong. | Unit stops | |
| | F701 | Abnormal high voltage (over 600V) | Unit stops | |
| | F705 | S phase became open phase | Unit stops | |
| F803 | Abnormalities, which make it impossible to continue operation (Note2.) | Unit stops | | |
| Display alone or restartable alarm | Protection device activation | E101 | High-pressure switch activated during normal operation. | Restart after 3-minute |
| | | E103 | CTP or electronic OC activated during normal operation. | Restart after 3-minute |
| | | E105 | Micro processor OC activated during normal operation. | Restart after 3-minute |
| | | E107 | DCCHS became abnormal high temperature during operation. In the event the refrigerant circulation rate is low, the unit will stand by for three minutes to restart then. | Restart after 3-minute If this error occurs two times, F803 error will be detected to stop the unit. |
| | | E109 | Low pressure drops to-90kPa or lower for 2 seconds or longer successively during normal operation. | Restart after 3-minute |
| | Control error | E201 | Pump down is not completed within 90 seconds. | Only alarm display |
| | | E203 | Overcool protection activates in the chilled or partial frozen mode. (Control temperature \leq SP-3°C or for 3 minutes) | Restart after 3-minutes |
| | | E205 | Evaporator for motor failure | Only alarm display |
| | | E207 | Defrosting is not completed within 90 minutes | Only alarm display |
| | Printed-circuit board failure | E303 | Humidity setting required (SRAM failure) | Only alarm display |
| | | E305 | Defrost timer setting required (SRAM failure) | Only alarm display |
| | | E307 | Calendar setting required (SRAM failure) | Only alarm display |
| | | E311 | Trip-start setting required (SRAM failure) | Only alarm display |
| | | E315 | PT/CT board failure | Restart after 3-minutes |
| | Sensor alarm | E401 | Supply air temperature sensor (SS) malfunction | Back-up operation |
| | | E402 | Data recorder supply air temperature sensor (DSS) malfunction | Back-up operation |
| | | E403 | Return air temperature sensor (RS) malfunction | Back-up operation |
| | | E404 | Data recorder return air temperature sensor (DRS) malfunction | Back-up operation |
| | | E405 | Discharge air temperature sensor (DCCHS) malfunction | Only alarm display |
| | | E406 | Suction gas temperature sensor (SGS) malfunction | Back-up operation |
| E407 | | Evaporator inlet temperature sensor (EIS) malfunction | Back-up operation | |
| E409 | | Evaporator outlet sensor (EOS) malfunction | Back-up operation | |
| E411 | | Ambient sensor (AMBS) malfunction | Only alarm display | |
| E413 | | Low pressure transducer (LPT) malfunction | Back-up operation | |
| E415 | | High pressure transducer (HPT) malfunction | Back-up operation | |
| E417 | | Voltage sensor (PT1) malfunction | Only alarm display | |
| E421 | | Current sensor (CT1) malfunction | Only alarm display | |
| E423 | | Current sensor (CT2) malfunction | Restart after 3-minutes | |
| E425 | Pulp temperature sensor (USDA1) malfunction | Only alarm display | | |
| E427 | Pulp temperature sensor (USDA2) malfunction | Only alarm display | | |
| E429 | Pulp temperature sensor (USDA3) malfunction | Only alarm display | | |
| E431 | Humidity sensor (HuS) malfunction | Only alarm display | | |
| E433 | Cargo temperature sensor (CTS) or box temperature sensor (CBS) malfunction | Only alarm display | | |
| Electronic functional part alarm | E603 | Suction modulating valve (SMV) malfunction or driver malfunction | Back-up operation | |
| | E607 | MDS (sheet key) malfunction | Only alarm display | |
| Power supply alarm | E707 | Momentary power failure | Restart after 3-minutes | |
| Other alarm | E801 | Backup battery replacement date exceeded | Only alarm display | |

- Note 1) The alarm LED does not blink when E code alarm is generated.
To check if any alarm generates, use alarm indication function in the section "1. Current indication mode" of "3.3.2 Mode operation procedure."
- 2) In the event error E101, E103, E107, or E109 occurs 10 times, the system will go to 4-hour standby mode.
- 3) In case of sensor malfunction, the judgment for sensor malfunction does not perform for 3 minutes before the pressure or temperature reaches to the specified value.

6 Battery

6.1 Specifications

DECOS IIIc controller can use two types of batteries; Alkaline or Rechargeable (Optional). It is not possible to exchange the type of battery afterwards.

The battery is positioned on CPU & I/O box in controller box.

Alkaline: 9V block battery. (This can be purchased locally.)

Rechargeable: DAIKIN original rechargeable battery

6.2 Function

This battery is used without main power supply for the following functions.

1) Display wake up (Refer to chapter 3.3.2) page 3-11.

Setting/Display the following items on the LCD display.

<Display>

Temperature on the return air sensor

Temperature on the supply air sensor

<Setting change>

Inside temperature, defrosting interval, dehumidifying set (Optional), Unit ON/OFF

2) USDA data log

USDA sensors data log every 1 hour

Note) When the Alkaline battery is equipped, it must be replaced for a new every PTI, when USDA is used.

3) Trip data log

Trip data; Setting point, Supply air, Return air, Humidity and time is logged every 1 hour after power off until battery run out. (Min. 3 days)

6.3 Battery check

Alkaline battery: Press S key to confirm the Battery mode workable.

When the power is disconnected.

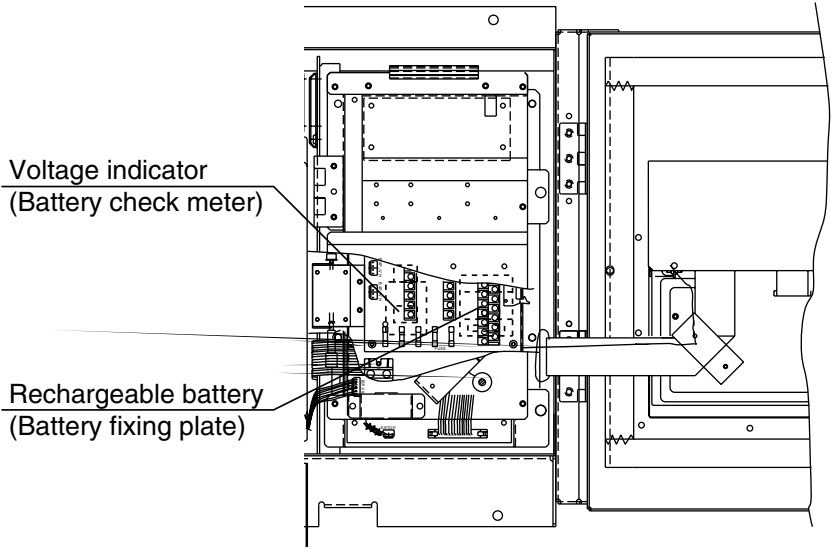
Rechargeable battery: Press "Battery check meter"

Green: Operatable

Red: Replace battery

6.4 Battery replacement (Alkaline and Rechargeable battery)

Detach the cover of battery and replace the battery

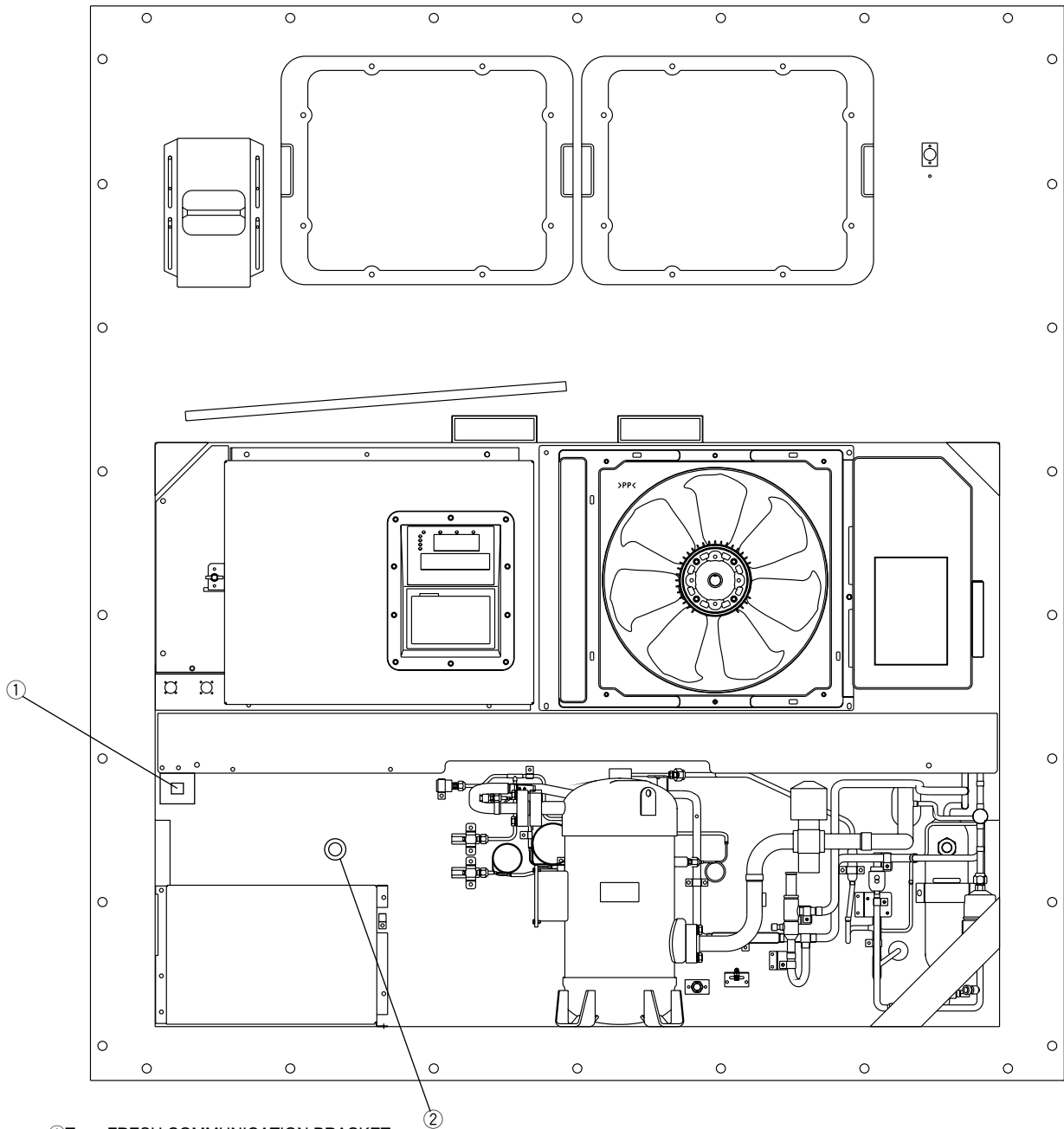


7 TransFRESH

Attachment for the TransFRESH CA devices are provided to control the internal atmosphere (quantity of O₂ and CO₂).

Use the CA devices according to the Operation Manual supplied by TransFRESH. The controller and sensor included in the CA devices are installed by the TransFRESH's agents before each transportation.

- An example of installation of CA devices, outside.



① TransFRESH COMMUNICATION BRACKET

② TransFRESH Single purge port

※ A2, A3 cables (provision only) are provided.

However, terminal connections are not performed in the control box.

8 Electronic expansion valve

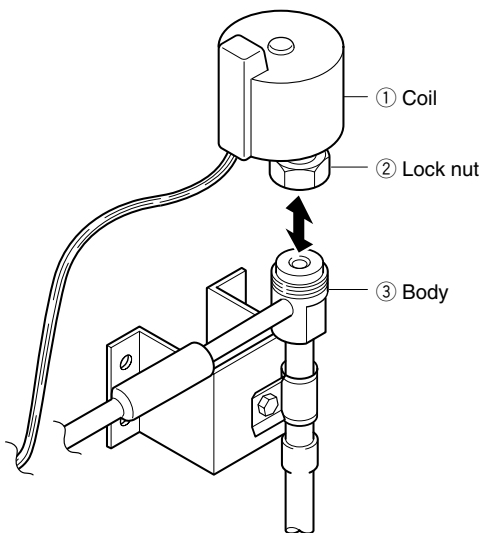
- Model Coil : EBM-MD12DM-1
Body : EDM-B804DM-1

This unit adopts an electronic expansion valve. The electronic expansion valve controls the optimum refrigerant flow rate automatically, using the temperature sensor at the evaporator inlet and outlet pipes.

In case of emergency including controller malfunctions, refer to the chapter of troubleshooting, section 6.5, Emergency operation.

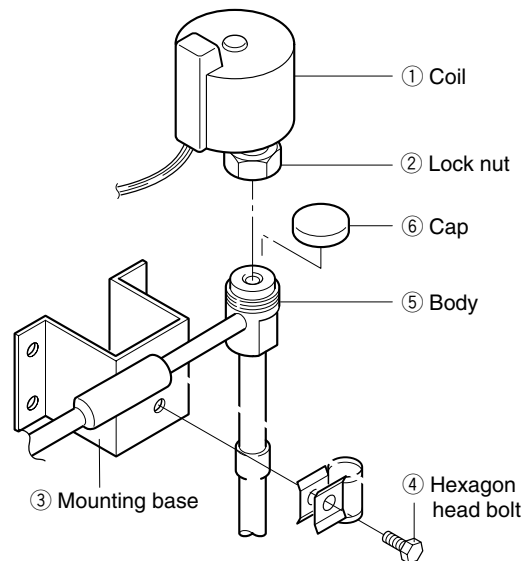
(1) Replacing the coil

- ① Loosen the lock nut, then remove the coil from the body.
- ② Install a new coil. The tightening torque for installation is 6.9 to 16.7 N · m (70 to 170 kgf · cm).
- ③ Restore the binding bands and the lead wire into the original state.
- ④ After replacing, carry out refrigerant leakage check, and make sure that there are no leaks.

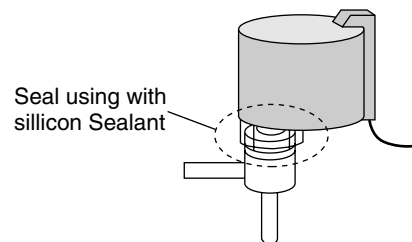


(2) Replacing the body

- ① Loosen the lock nut, then remove the coil.
- ② Remove the hexagonal head bolts, and cut the pipe on the body, then remove remaining pipes from brazing parts.
- ③ Connect a new body to the pipes. Be sure to conduct brazing work while cooling the body below 120°C (248°F) by using wet cloths.
- ④ Fix the body to the mounting base.
- ⑤ Remove the cap, and mount the coil with the tightening torque of 6.9 to 16.7 N · m (70 to 170 kgf · cm).
- ⑥ After replacing, carry out refrigerant leakage check, and make sure that there are no leaks.

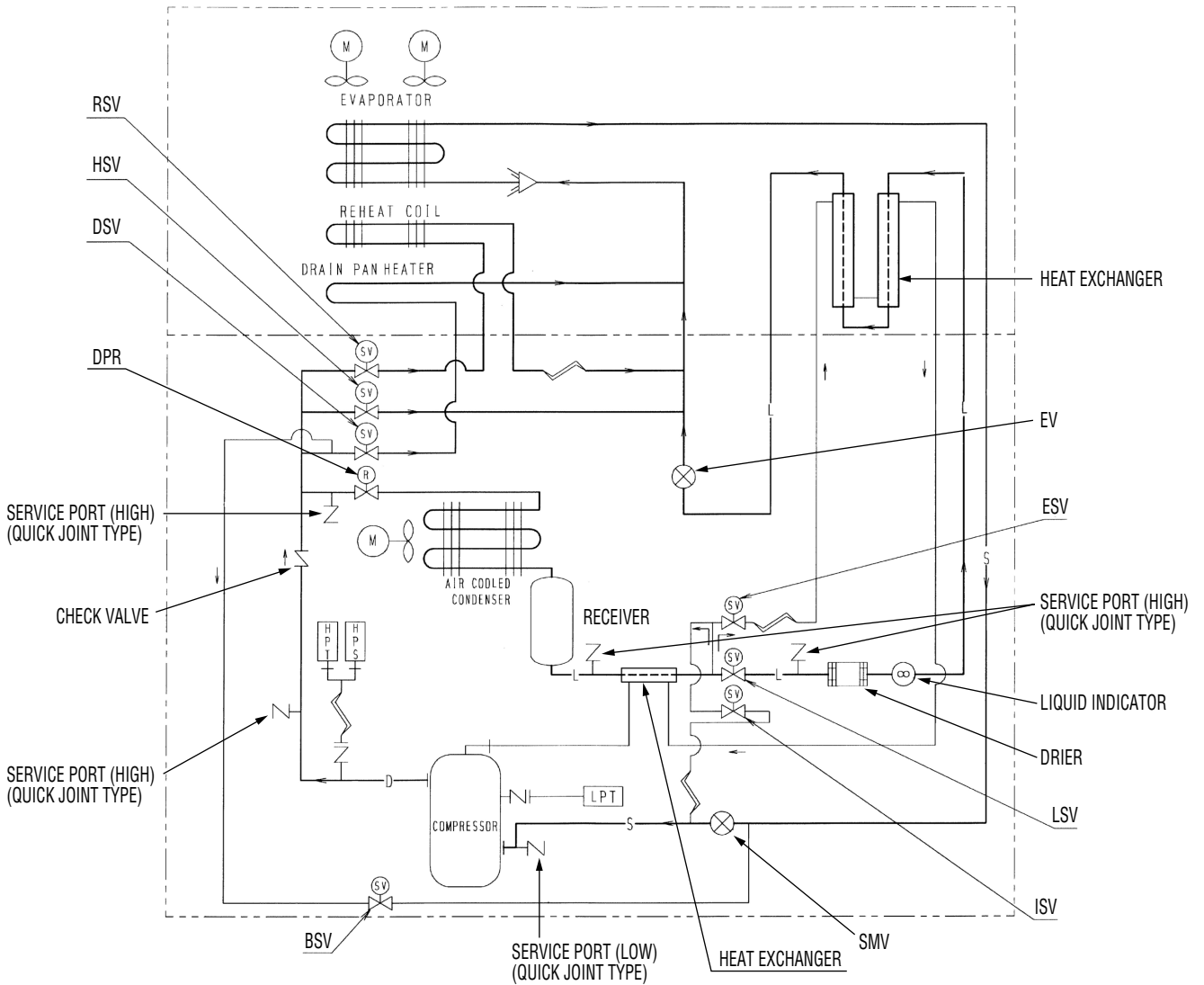


- ⑦ Apply a silicon sealant to the lock nut section.



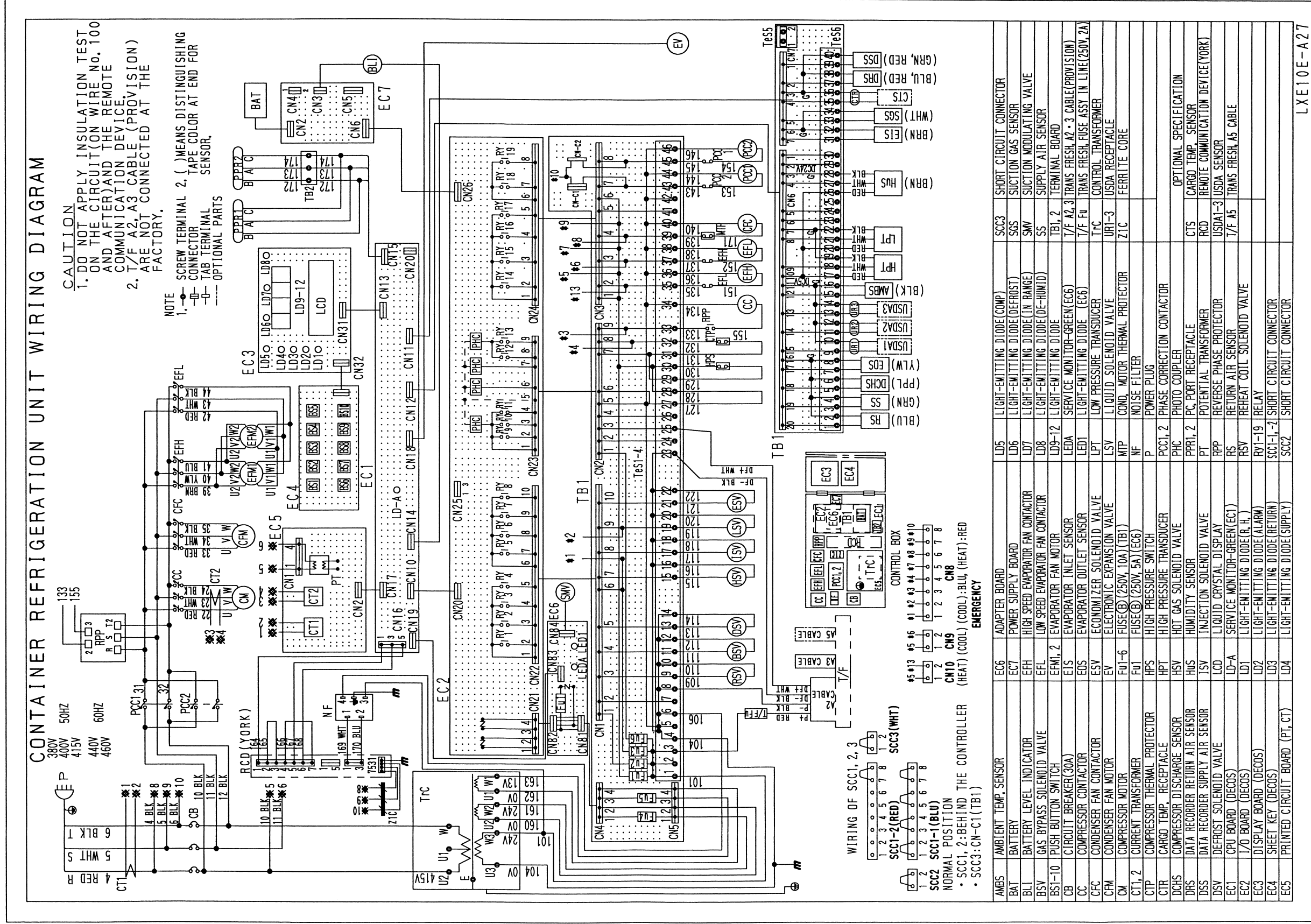
9. APPENDIX

9.1 Piping diagram



- | | | |
|-------------------------------|---|----------------------------------|
| EV:Electronic Expansion Valve | SMV:Suction Modulation Valve | DPR:Discharge pressure regulator |
| LSV:Liquid Solenoid Valve | HSV:Hot Gas Solenoid Valve | |
| DSV:Defrost Solenoid Valve | ISV:Injection Solenoid Valve | |
| ESV:Economizer Solenoid Valve | BSV:Discharge Gas Bypass Solenoid Valve | |

9.2 Schematic wiring diagram



AMBS AMBIENT TEMP. SENSOR EC6 ADAPTER BOARD

BAT BATTERY EC7 HIGH SPEED EVAPORATOR FAN CONTACTOR

BLI BATTERY LEVEL INDICATOR EFH HIGH SPEED EVAPORATOR FAN CONTACTOR

BSV GAS BYPASS SOLENOID VALVE EFL LOW SPEED EVAPORATOR FAN CONTACTOR

BS1-10 PUSH BUTTON SWITCH EFM1, 2 EVAPORATOR FAN MOTOR

CB CIRCUIT BREAKER (30A) EIS EVAPORATOR INLET SENSOR

CC COMPRESSOR CONTACTOR EDS EVAPORATOR OUTLET SENSOR

CFC CONDENSER FAN CONTACTOR ESV ECONOMIZER SOLENOID VALVE

CFM CONDENSER FAN MOTOR EV ELECTRONIC EXPANSION VALVE

CM COMPRESSOR MOTOR FU1-6 FUSE (250V, 10A) (TB1)

CT1, 2 CURRENT TRANSFORMER FU1 FUSE (250V, 5A) (EC6)

CTR COMPRESSOR THERMAL PROTECTOR HPS HIGH PRESSURE SWITCH

CTR CARGO TEMP RECEPTACLE HPT HIGH PRESSURE TRANSDUCER

CTS CARGO TEMP SENSOR HSV HOT GAS SOLENOID VALVE

DRS DATA RECORDER RETURN AIR SENSOR HUS HUMIDITY SENSOR

DSS DATA RECORDER SUPPLY AIR SENSOR ISV INJECTION SOLENOID VALVE

DSV DEFROST SOLENOID VALVE LCD LIQUID CRYSTAL DISPLAY

EC1 CPU BOARD (DECOS) LD-A SERVICE MONITOR-GREEN (EC1)

EC2 I/O BOARD (DECOS) LD1 LIGHT-EMITTING DIODE (R, H)

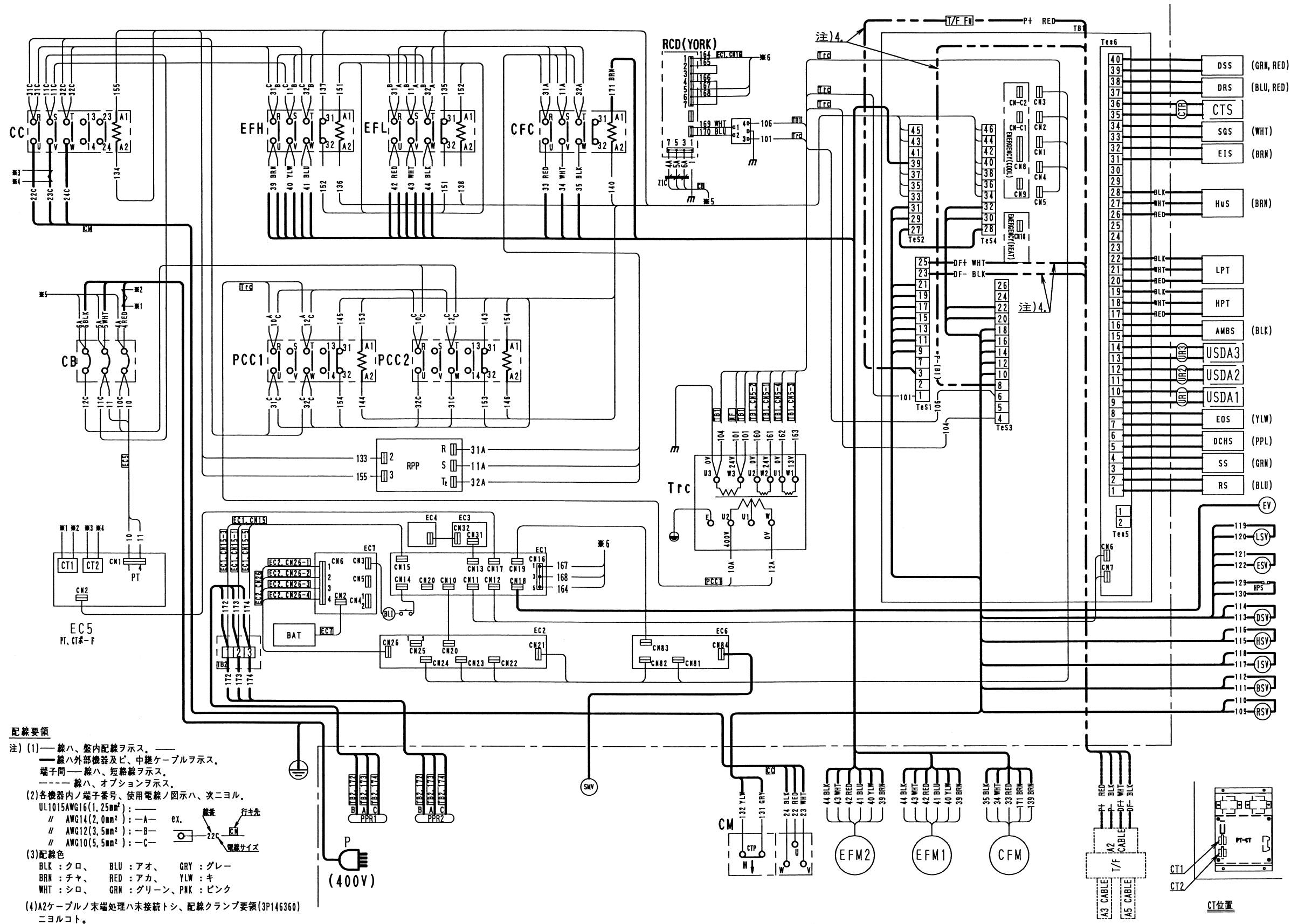
EC3 DISPLAY BOARD (DECOS) LD2 LIGHT-EMITTING DIODE (ALARM)

EC4 SHEET KEY (DECOS) LD3 LIGHT-EMITTING DIODE (RETURN)

EC5 PRINTED CIRCUIT BOARD (PT, CT) LD4 LIGHT-EMITTING DIODE (SUPPLY)

LXE10E-A27

9.3 Stereoscopic wiring diagram



ORDERING INSTRUCTIONS

The parts list contains the parts of the DAIKIN Marine Type Container Refrigeration Units. Please read the following items before using the list.

1. When ordering the parts, be sure to specify the model No., the name of part and the type of part. When ordering the parts for which no parts NO. is shown in the PARTS NO. column, be sure to describe DWG.NO..
2. The list shows the parts only for replacement or repairing at the job site. Certain parts require a production lead time or are supplied as a set, so please contact with the nearest DAIKIN PARTS CENTRE.

3. Index symbols;

Meaning of the ranking A,B and C are as follows;

A. The most important spare parts

1. The parts whose malfunction cause fatal damage to the unit.
2. The parts with high risk of malfunction.
3. The parts that are worn out after an extended service period.

B. The important spare parts next to A, but the risk of malfunction is not so high.

C. The parts with low risk of malfunction, but recommendable to stock to cope with damage during handling of container box and long delivery time, etc.

The parts without A, B and C mark is the parts whose necessity is not so high under normal operation.

パーツリスト使用上の注意

このパーツリストはダイキン海上コンテナ冷凍装置の部品を集録してあります。パーツリスト使用にあたっては、必ず次の注意事項をご一読の上使用していただくようお願いいたします。

1. 部品のご注文の際は機種名、部品番号、および部品名、形式を必ずご指定ください。
なお、部品番号欄が空白になっている部品は、図面番号で指示願います。
2. 掲載部品の範囲は、あくまでも現地にて分解修理できるところまで記載しております。
一部部品につき納期のかかるものおよびセット単位となるものもありますので、お近くのダイキンパーツセンター又はサービスステーションに相談願います。

3. INDEXの説明

INDEXのA、B、Cの意味は下記の通りです。

A. 最も重要な部品

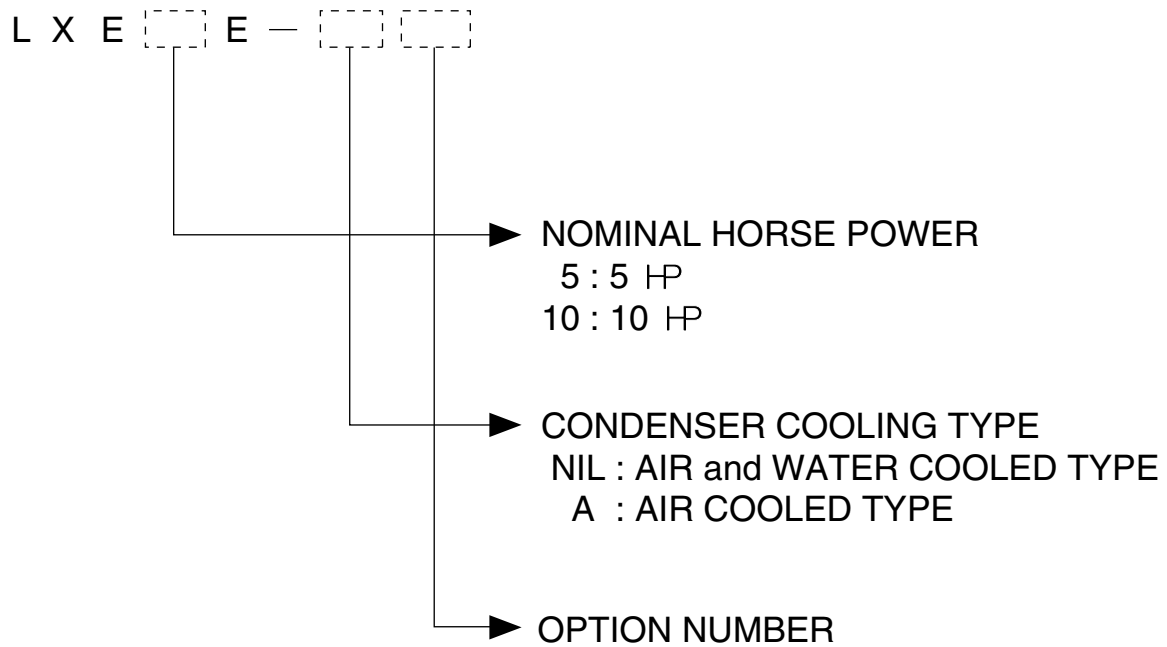
1. 故障した場合に最も重大な損害を与えると思われる部品
2. 故障の確率が高いと思われる部品
3. 長期の使用で摩耗して使用できなくなる部品

B. 故障発生の確率は高くはないが、Aについて重要な部品

C. 故障発生の確率は低いですが、コンテナボックスの運搬中の事故や、部品の納期が長期になるとと思われる等の理由で、在庫をお勧めする部品

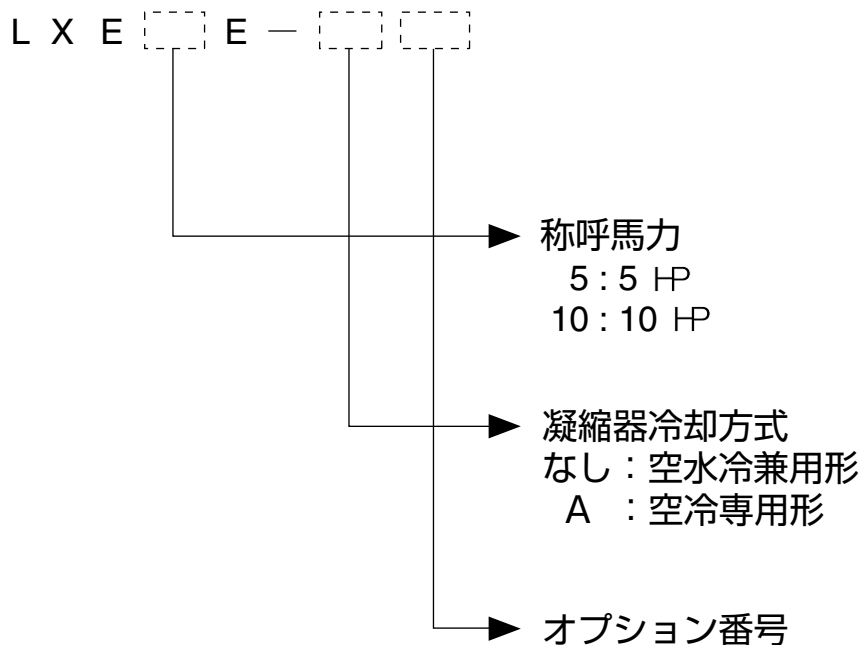
A,B,Cマークの無い部品は、通常の運転では必要性は高くない部品です。

Denomination of Model Name



Note) "R" GIVEN AFTER OPTION NUMBER STANDS FOR "REVISION" AND IT IS GIVEN FOR THE UNIT WHICH IS SPECIALLY MODIFIED.

機種名について



注) オプション番号の後に R がつく機種は、改造機で、特別な仕様が加えられていることを意味します。

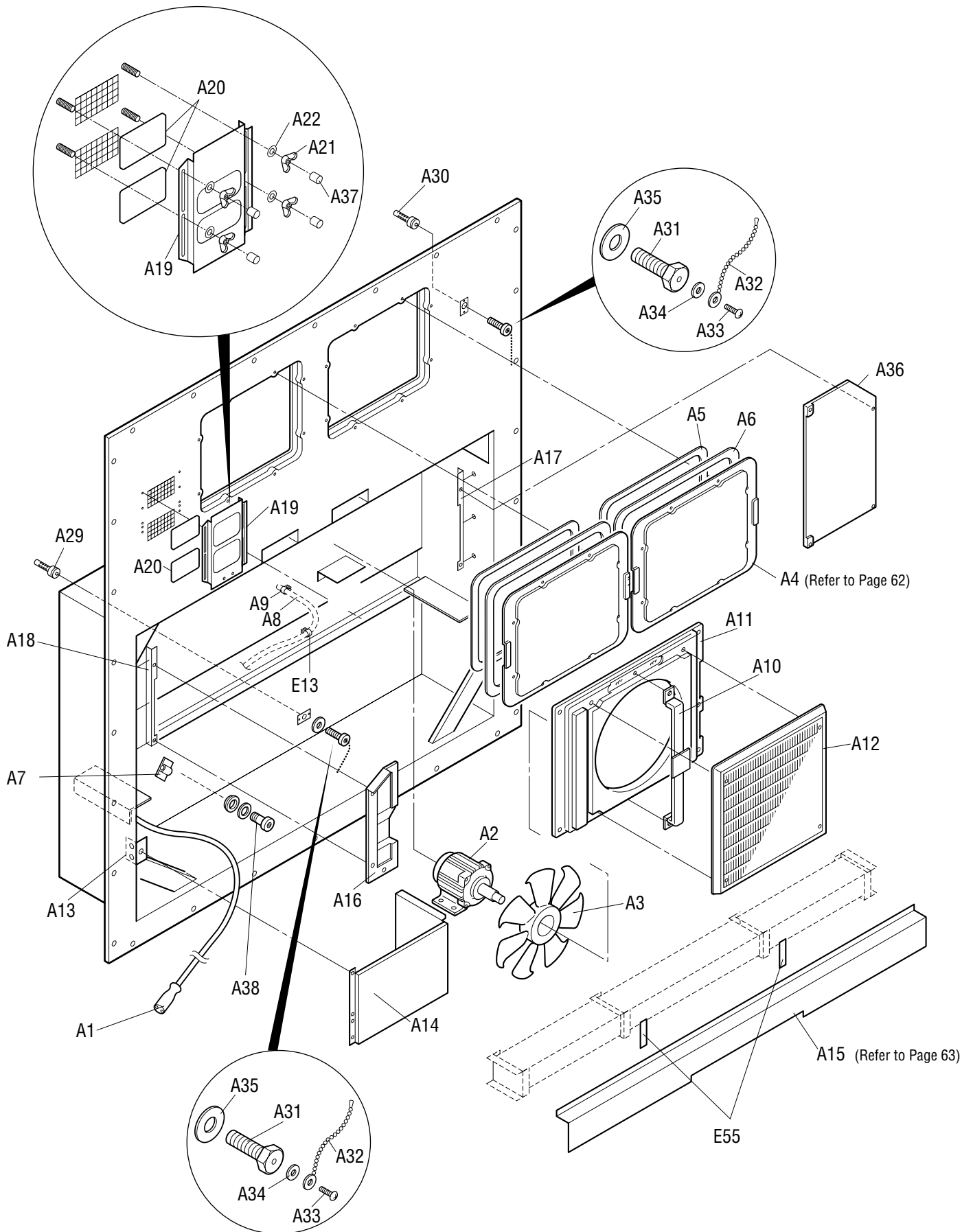
CONTENTS

目 次

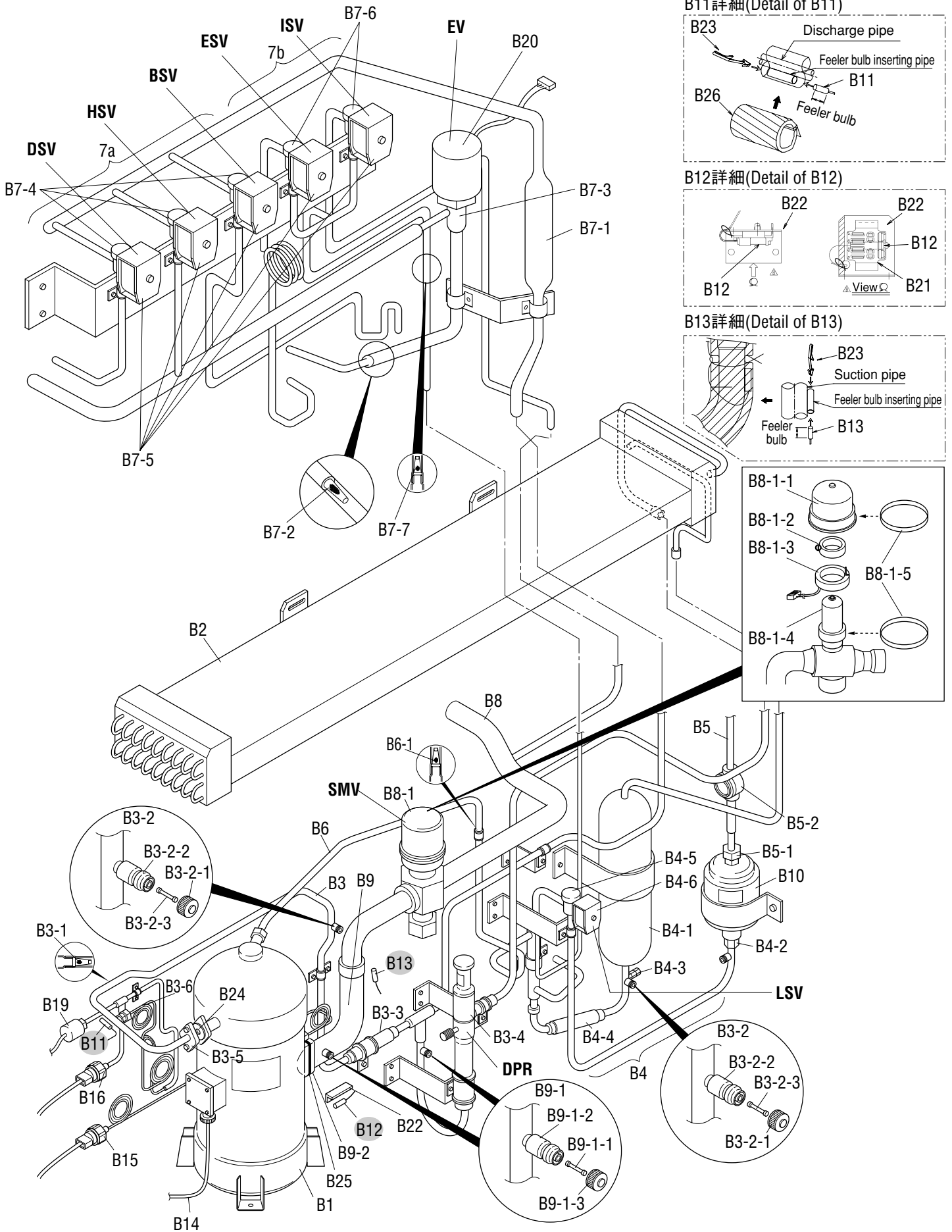
Page

| | |
|--|----|
| A. Parts related with the unit(outside) | 24 |
| 庫外関連部品 | |
| B. Parts related with refrigerant piping(outside) | 26 |
| 庫外冷媒配管関連部品 | |
| C. Parts related with the unit(inside) | 30 |
| 庫内関連部品 | |
| D. Parts related with refrigerant piping(inside) | 34 |
| 庫内冷媒配管関連部品 | |
| E. Other parts(Pipe clamp, sealing and insulation material etc.) | 36 |
| その他部品 (配管固定具、シール材、防熱材等) | |
| F. Control box | 44 |
| コントローラボックス | |
| G. Parts related with name plate | 50 |
| 銘板関連 | |
| I. Parts related with option 1 – USDA | 52 |
| オプション関連部品 1 - USDA関連 | |
| J. Parts related with option 2 – MODEM | 54 |
| オプション関連部品 2 - モデム | |
| K. Parts related with option 3 – Others | 56 |
| オプション関連部品 3 - その他 | |
| 1. Indoor fan guard 庫内ファンガード | |
| 2. Evaporator coil 蒸発器コイル組立品 | |
| L. Parts related with option 4 – TRANS – FLESH | 58 |
| オプション関連部品 4 - トランス・フレッシュ | |
| M. List of size for standard pipe clamp | 60 |
| 配管固定具サイズ表 | |
| 1. Resin clamp 樹脂バンド | |
| 2. Tube clamp 管止金 | |
| 3. Cushion rubber for pipe clamp 管止金用緩衝ゴム | |
| N. Notes for ordering spare parts | 62 |
| 部品発注の際の注意事項 | |
| 1. Parts recommended to be ordered together with packing, gasket, sealing material and name plate 発注の際にパッキングやシール材、銘板等の同時発注を推奨する部品 | |
| 2. Order for motorized valve, solenoid valve and pressure regulating valve 電動弁・電磁弁・圧力調整弁の発注 | |
| 3. Order for pressure transducer 圧力センサーの発注 | |
| 4. Order for temperature sensor 温度センサーの発注 | |
| O. Measuring and adjusting tools | 67 |
| 測定調整用工具 | |
| 1. Tools for emergency operation 緊急運転用工具 | |
| 2. Personal computer cable (for DCCS) パソコンケーブル(DCCS用) | |

Parts related with the unit(outside)
庫外関連部品



| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|-------------------------------------|-------------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| A1 | | 1448270 | Power plug(400V class) | 電源プラグ (400V) | 3P109727-1 | | 1 | 1 | |
| A2 | A | 0954936 | Condenser fan motor | 凝縮器電動機 | 3P005566-1 | | 1 | 1 | |
| A3 | | 1632176 | Propeller fan rotor | 庫外プロペラロータ (日本製) | 4P159494-1 | | 1 | 1 | |
| A4 | | 1612576 | Access panel(FRP) | サービス扉組立品 | 1P006678-5 | | 2 | 2 | Refer to Page62 |
| A5 | | 1266207 | Cushion material(access panel) | クッション材 (サービス扉) | 3P033608-1 | | 2 | 2 | Refer to Page62 |
| A6 | | 1196113 | Sealing material(access panel) | シール材 (サービス扉) | 3P001640-2 | | 2 | 2 | Refer to Page62 |
| A7 | | 1326705 | Wire clamp | 電線止め金 | 4P090422-1 | | 1 | 1 | |
| A8 | C | 1266199 | Drain hose | ドレンホース | 3P011299-1 | For trap type | 1 | 1 | |
| A10 | | 1266137 | Fan guide stay ass'y(outside) | ファンガイドステー組立品 (庫外側) | 3P027891-1 | | 1 | 1 | |
| A11 | | 1588356 | Fan guide(Outside) | ファンガイド (庫外側) | 1P050906-6 | | 1 | 1 | |
| A12 | | 1588349 | Discharge grill | 吹出しグリル | 1PA53427-6 | | 1 | 1 | |
| A13 | | 1369663 | Mounting plate 2, cable storage | ケーブル収納部取付板2 | 4P006981-2 | | 1 | 1 | |
| A14 | | 1564660 | Cabel holding sheet metal | ケーブル収納部板金 (圧縮機前板:有/無共用) | 3P128458-1 | | 1 | 1 | |
| A15 | C | 1270338 | Front plate(CA) | 前板 (C A) | 2P061345-1 | | 1 | 1 | Refer to Page63 |
| A16 | | 1600504 | C,BOX Front plate | C, B O X 前板 (左) | 2P093861-5 | | 1 | 1 | |
| A17 | | 1485527 | Fixing plate | 外板取付板 (1) | 3P116814-1 | | 1 | 1 | |
| A18 | | 1631940 | Fixing plate | 外板取付板 (2) | 3P158049-1 | | 1 | 1 | |
| A19 | B | 1266120 | Ventilation cover | 換気口蓋 | 3P067053-1 | | 1 | 1 | Refer to Page63 |
| A20 | | 1266221 | Sealing material(ventilator) | シール材 (換気口) | 4P016185-1 | | 2 | 2 | Refer to Page63 |
| A21 | | 1015858 | Wing nut | 蝶ナット | 4SK06111-5 | | 4 | 4 | |
| A22 | | 0322096 | Plain washer(Woods round type) | 平座金 (木材用丸) | 4SK07006-5 | | 4 | 4 | |
| A29 | | 1496820 | Protection cover(2) | 温度計挿入口保護カバー (2) | 4P085921-2 | | 1 | 1 | |
| A30 | | 1584145 | Protection cover(3) | 温度計挿入口保護カバー (3) | 4P085921-3 | | 1 | 1 | |
| A31 | | 1266238 | Hexagon head bolt | P C 六角ボルト | R4290921-125 | M12X25 | 2 | 2 | |
| A32 | | 1386930 | Latch(victor chain) | 掛金 (ビクターチェーン) | 4P063801-1 | | 2 | 2 | |
| A33 | | 1266245 | Tapping screw | タッピンネジ | 4SK05064-8 | M3 SUS304 | 2 | 2 | |
| A34 | | 844012S | Plain washer | 平座金 | 4SK07005-3 | M3SUS | 2 | 2 | |
| A35 | | 1267084 | Gasket, resin bolt | パッキン樹脂ボルト用 | 4PA63573-1 | | 2 | 2 | |
| A36 | | 1600528 | Front panel(right) | 前板 (右) | 3P083136-5 | | 1 | 1 | |
| A37 | | 1387159 | Lock nut | 換気口蝶ナット用ロックナット | 4P105737-1 | | 4 | 4 | |
| A38 | | 1584152 | Single purge port ass'y | シングルバージポート組立品 | 3P039625-1 | Refer to Page28 | 1 | 1 | |
| E13 | | 1266788 | Resin clamp | 樹脂バンド | NE41015-12 | MILK WHITE | 6 | 6 | |
| E55 | | 1267077 | Packing for prevention of vibration | C A 前板ビビリ防止パッキン | 4P050050-1 | | 2 | 2 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|---------------------------------------|-----------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| B1 | A | 1199415 | Compressor | 圧縮機 | JT224D-NYR | | 1 | 1 | |
| B2 | C | 1387173 | Air cooled condenser | 空冷凝縮器 | 2P089486-1 | CA-LXE10E1 | 1 | 1 | |
| B3 | | | Discharge pipe ass'y | 吐出配管組立品 | 2P117329-1 | | 1 | 1 | |
| B3-1 | C | 1199167 | Strainer | ストレーナ | 4P051389-1 | | 1 | 1 | |
| B3-2 | C | 1178920 | Service valve ass'y | サービスバルブ組立品 | 3P048905-1 | | 3 | 3 | |
| B3-2-1 | B | 1175921 | Service valve cap | キャップ | 3P048905-1-KU | | 3 | 3 | |
| B3-2-2 | B | | Service valve body | 本体 | 3P048905-1-KA | | 3 | 3 | |
| B3-2-3 | B | 1178850 | Valve core | バルブコア | 3P048905-1-KI | | 3 | 3 | |
| B3-3 | B | 0684220 | Check valve | 逆止弁 | 3SA27008-1 | | 1 | 1 | |
| B3-4 | A | 1241361 | Discharge pressure regulating valve | 吐出圧力調整弁 | 3P074558-1 | | 1 | 1 | Refer to Page64 |
| B3-5 | | 1266276 | Flange(convex) | 吐出管フランジ (凸) | 4P065933-1 | | 1 | 1 | |
| B3-6 | B | 292011 | Gauge joint(with check valve) | 逆止弁付ゲージ接手 | 2PF00177-1 | VCG2DA | 1 | 1 | |
| B4 | | 1549685 | Liquid receiver ass'y | 受液器組立品 | 2P117335-1 | | 1 | 1 | |
| B4-1 | | 1266283 | Liquid receiver | 受液器レシーバ | 4P081428-1 | φ 90×t1.5 | 1 | 1 | |
| B4-2 | | 0137856 | Flare nut | フレアナット | 4SK23011-4 | FNS4 φ 12.7 | 1 | 1 | |
| B4-3 | A | 1498035 | Fusible plug | 可熔栓 | 3SA27103-1 | | 1 | 1 | |
| B4-4 | | 0299134 | Filter | フィルタ | 3SA26004-2 | | 1 | 1 | |
| B4-5 | A | 0944566 | NEV type solenoid valve body | NEV型電磁弁本体 | R3305118-1 | NEV-803DXF | 1 | 1 | Refer to Page64 |
| B4-6 | A | 0955287 | Solenoid valve coil | 電磁弁コイル | 3P010453-1 | | 1 | 1 | Refer to Page64 |
| B5 | | | Liquid pipe ass'y | 液配管組立品 | 3P065985-1 | | 1 | 1 | |
| B5-1 | | 0137856 | Flare nut | フレアナット | 4SK23011-4 | FNS4 φ 12.7 | 1 | 1 | |
| B5-2 | A | 0622107 | Liquid moisture indicator | モイスターインジケーター | 3PA51270-3 | SGN12S | 1 | 1 | |
| B6 | | | Injection tube ass'y | インジェクション管組立品 | 3P093305-1 | | 1 | 1 | |
| B6-1 | C | 0085296 | Strainer | ストレーナ (100メッシュ) | R4697892 | | 1 | 1 | |
| B7a | | | Expansion valve pipe ass'y | 膨張弁配管組立品 (P&O) | 2P148605-1 | | 1 | 1 | |
| B7-1 | | 1505748 | Filter | フィルタ | 3P011071-1 | | 1 | 1 | |
| B7-2 | C | 1490846 | Strainer | ストレーナ | 4P051958-1 | | 1 | 1 | |
| B7-3 | A | 1256495 | Electronic expansion valve body ass'y | 電子膨張弁本体組立品 | 2SA50010-2-KU | | 1 | 1 | Refer to Page64 |
| B7-4 | A | 0944566 | NEV type solenoid valve body | NEV型電磁弁本体 | R3305118-1 | NEV-803DXF | 4 | 4 | Refer to Page64 |
| B7-5 | A | 1266290 | Solenoid valve coil | 電磁弁コイル | 3P010453-2 | | 4 | 4 | Refer to Page64 |
| B7b | | | ISV,ESV pipe ass'y | ISV・ESV配管組立品 (標準・P&O) | 2P148527-1 | | 1 | 1 | |
| B7-5 | A | 1266290 | Solenoid valve coil | 電磁弁コイル | 3P010453-2 | | 2 | 2 | Refer to Page64 |
| B7-6 | A | 0088738 | Nev type solenoid valve body | NEV型電磁弁本体 | R3305099-1-KI | NEV-202DXF | 2 | 2 | Refer to Page64 |
| B7-7 | C | 0964166 | Strainer | ストレーナ | 4P012568-1 | | 1 | 1 | Refer to Page64 |
| B8 | | 1496781 | Suction pipe ass'y(inside) | 吸入配管組立品 (庫内) | 3P071569-2 | | 1 | 1 | |
| B8-1 | A | 1254538 | Suction modulating valve ass'y | 吸入比例弁組立品 | 2P078385-1 | | 1 | 1 | Refer to Page64 |
| B8-1-1 | | 1270376 | Upper cover, suction modulating valve | 吸入比例弁カバー上 | 2P078385-1-KA | | 1 | 1 | |
| B8-1-2 | | 1496914 | Clamp, suction modulating valve | 吸入比例弁クランプ | 2P078385-1-KI | | 1 | 1 | |
| B8-1-3 | | 1270390 | Coil, suction modulating valve | 吸入比例弁コイル | 2P078385-1-KU | | 1 | 1 | |
| B8-1-4 | | 1270408 | Body, suction modulating valve | 吸入比例弁本体 | 2P078385-1-KE | | 1 | 1 | |

● When ordering the parts whose No. are not shown in the PARTS NO. column, be sure to describe DWG. NO..

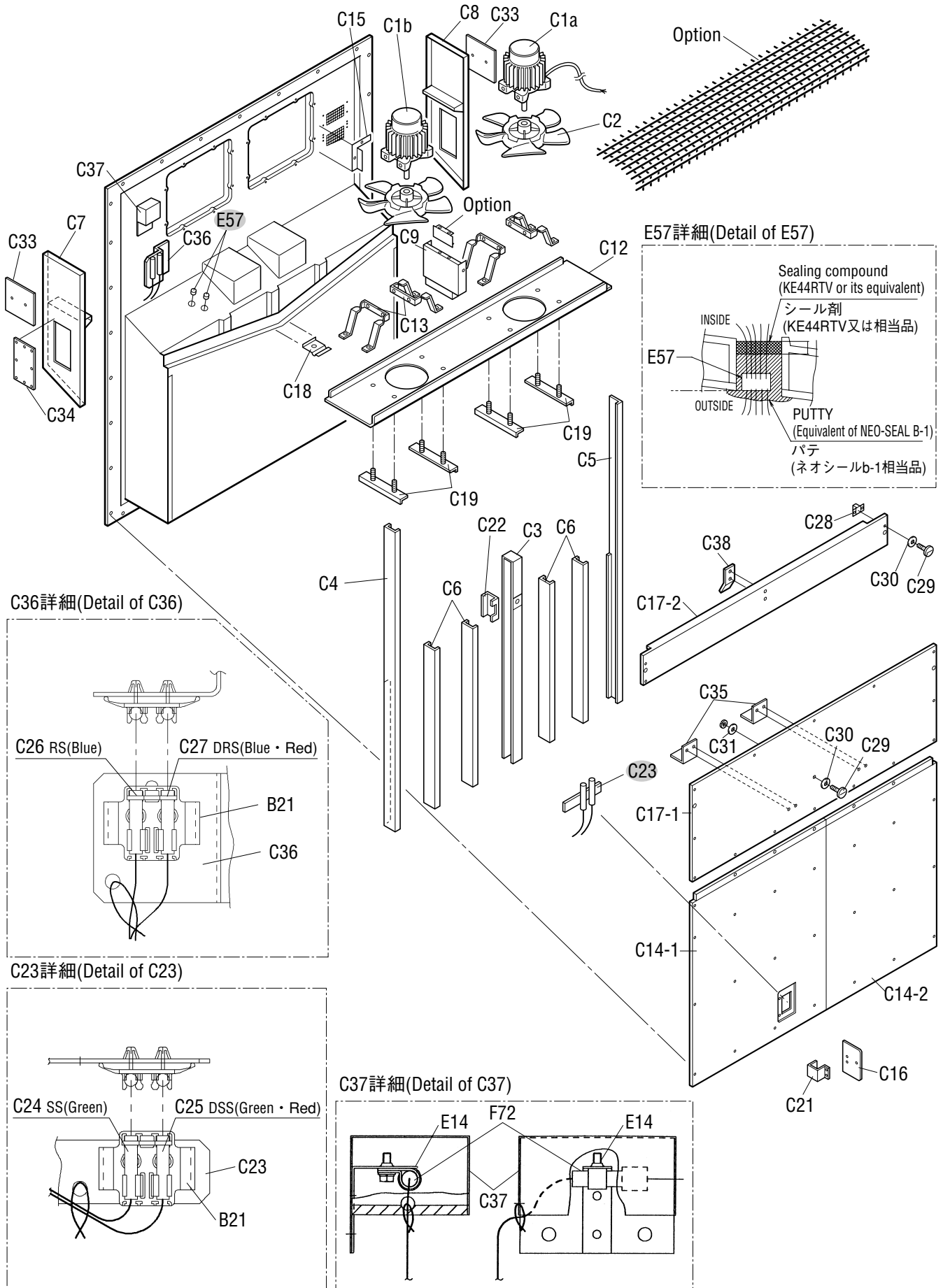
● 部品番号欄が空白になっている部品は、図面番号で、指示願います。

Parts related with refrigerant piping(outside)
庫外冷媒配管関連部品

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|--|-------------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| B8-1-5 | | 1270415 | Cover band, suction modulating valve | 吸入比例弁カバーバンド | 2P078385-1-KO | | 2 | 2 | |
| B9 | | | Suction pipe ass'y(outside) | 吸入配管組立品 (庫外) | 2P143309-1 | | 1 | 1 | |
| B9-1 | C | 1178937 | Service valve ass'y | サービバルブ組立品 | 3P048907-1 | | 2 | 2 | |
| B9-1-1 | B | 1178867 | Valve core | バルブコア | 3P048907-1-KI | | 2 | 2 | |
| B9-1-2 | B | 1637498 | Service valve body | 本体 | 3P048907-1-KA | | 2 | 2 | |
| B9-1-3 | B | 1175914 | Service valve cap | キャップ | 3P048907-1-KU | | 2 | 2 | |
| B9-2 | | 1266315 | Square flange | 角フランジ | 4PA61542-1 | | 1 | 1 | |
| B10 | A | 1241385 | Drier ass'y | ドライヤ組立品 | 3P069859-1 | | 1 | 1 | |
| B11 | A | 0983321 | Sensor, discharge pipe temperature(DCHS) | 吐出管用センサ (D C H S) | 3SA48009-10 | | 1 | 1 | Refer to Page66 |
| B12 | A | 0798321 | Sensor, ambient air temperature(AMBS) | 外気温度センサ (A M B S) | 3PA61769-6 | ST9503-6(NIL) | 1 | 1 | Refer to Page66 |
| B13 | A | 0983338 | Sensor, comp suction pipe temperature(SGS) | 圧縮機吸込配管温度用センサ (S G S) | 3PA61769-9 | ST9503-9(white) | 1 | 1 | Refer to Page66 |
| B14 | | 1266322 | Cable(compressor) | ケーブル (圧縮機) | 3P063458-1 | | 1 | 1 | |
| B15 | A | 1600542 | Low pressure transducer(LPT) | 低圧圧力センサ (L P T) | 3P141601-1 | NSK-BCO10F-070 | 1 | 1 | Refer to Page65 |
| B16 | A | 1600559 | High pressure transducer(HPT) | 高圧圧力センサ (H P T) | 3P141602-1 | NSK-BCO30F-070 | 1 | 1 | Refer to Page65 |
| B19 | A | 1241378 | High pressure switch | 高圧圧力開閉器 | 3P071506-1 | | 1 | 1 | |
| B20 | A | 1381430 | Electronic expansion valve coil | 電子膨張弁コイル | 2P010454-2 | | 1 | 1 | Refer to Page64 |
| B21 | | 1605244 | Thermister fixing plate, Resin | サーミスタ固定具 (樹脂) | 3P124175-1 | | 1 | 1 | |
| B22 | | 1605453 | Thermostat cover(Resin) | サーモカバー (樹脂用) | 4P144439-1 | | 1 | 1 | |
| B23 | | 0423968 | Mounting spring,thermistor | サーミスタ取付バネ | 4PA38890-1 | | 3 | 3 | |
| B24 | A | 0132192 | Flange packing, compressor discharge | 圧縮機吐出側フランジパッキン | 4SK20053-4 | | 1 | 1 | |
| B25 | A | 0395032 | Flange packing, compressor suction | 圧縮機吸入側フランジパッキン | R4221042-1 | | 1 | 1 | |
| B26 | | 1267147 | Thermal insulation tube | 断熱筒 (吸入弁庫外側) | 4P073602-1 | | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

● When ordering the parts whose No. are not shown in the PARTS NO. column, be sure to describe DWG. NO..

● 部品番号欄が空白になっている部品は、図面番号で、指示願います。

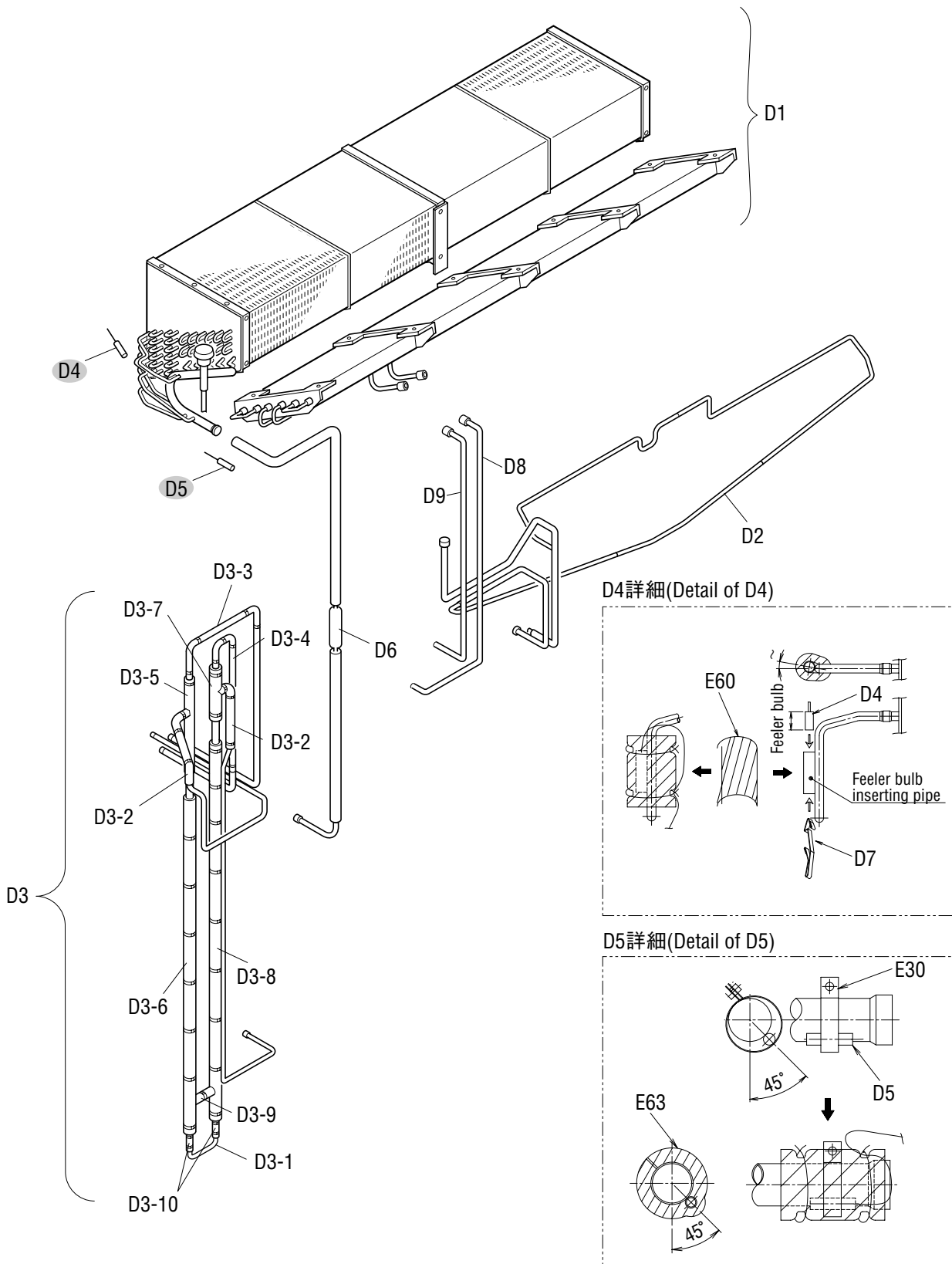


| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|---------------------------------|------------------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| C1a | A | 0955333 | Three phase AC fan motor | 三相交流ファン電動機 | 3PA07524-4 | | 1 | 1 | |
| C1b | A | 0955340 | Three phase AC fan motor | 三相交流ファン電動機 | 3PA07524-5 | SPRK91A-42 | 1 | 1 | |
| C2 | | 1632152 | Propeller fan rotor | 庫内プロペラロータ (日本製) | 4P159475-1 | | 2 | 2 | |
| C3 | | 1410958 | Center stay | 中央ステー | 3P094853-1 | | 1 | 1 | |
| C4 | | 1266360 | Side stay | サイドステー | 3P061281-1 | t2.5 | 1 | 1 | |
| C5 | | 1509531 | Side stay(2) | サイドステー (2) | 3P105384-1 | | 1 | 1 | |
| C6 | | 1584176 | Rear stay | 背面ステー (レヒート) | 3P103621-2 | | 4 | 4 | |
| C7 | | 1584183 | Plate finned coil frame plate | 蒸発器枠 (3) | 2P094765-3 | | 1 | 1 | |
| C8 | | 1380754 | Plate finned coil frame plate | 蒸発器枠 (2) | 2P094765-2 | | 1 | 1 | |
| C9 | | 1494134 | Fan guide fixing plate | ファンガイド固定板 | 3P105378-1 | | 1 | 1 | |
| C12 | | 1584190 | Fan guide ass'y | ファンガイド組立品(レヒート・キャリブ・P&O・T/F) | 3P123264-4 | | 1 | 1 | |
| C13 | | 1565199 | Set plate, fan motor | 電動機取付脚 | 3P144888-1 | | 4 | 4 | |
| C14-1 | | 1622434 | Rear plate(lower/left) | 裏板 (下/左) | 2P144516-1 | | 1 | 1 | |
| C14-2 | | 1622441 | Rear plate(lower/right) | 裏板 (下/右) | 2P144517-1 | | 1 | 1 | |
| C15 | | 1266555 | Air reflection plate | 風向板 | 4P055257-1 | | 1 | 1 | |
| C16 | | 1622458 | Supply sensor inspection door | サブライセンサ点検蓋 | 4P148634-1 | | 1 | 1 | |
| C17-1 | | 1622465 | Rear plate(middle) | 裏板 (中) | 2P144515-1 | | 1 | 1 | |
| C17-2 | | 1622472 | Rear plate(upper) | 裏板 (上) | 2P144514-1 | | 1 | 1 | |
| C18 | | 1266485 | Partition plate(drain outlet) | 仕切板 (ドレン出口) | 4P011317-1 | | 1 | 1 | |
| C19 | | 1135978 | Reinforce plate, fan motor | 補強板 (ファン電動機台) | 4P011316-1 | | 4 | 4 | |
| C21 | | 1135125 | Hinge | 蝶番 | 3P043374-1 | | 1 | 1 | |
| C22 | | 1266524 | Support plate | 支柱補強柱 | 4P061342-1 | | 1 | 1 | |
| C23 | | 1605466 | Mounting plate | サブライセンサ取付板 | 4P144433-1 | | 1 | 1 | |
| C24 | A | 1375310 | Sensor(SS) | センサー (SS) | 3PA61769-11 | | 1 | 1 | Refer to Page66 |
| C25 | A | 1375327 | Sensor(DSS) | センサー (DSS) | 3PA61769-12 | | 1 | 1 | Refer to Page66 |
| C26 | A | 1375334 | Sensor(RS) | センサー (RS) | 3PA61769-13 | | 1 | 1 | Refer to Page66 |
| C27 | A | 1375341 | Sensor(DRS) | センサー (DRS) | 3PA61769-14 | | 1 | 1 | Refer to Page66 |
| C28 | | 860015 | Universal nut | 自在ナット | R4713188-1 | | 9 | 9 | |
| C28 | | 860015 | Universal nut | 自在ナット | R4713188-1 | | 7 | 7 | |
| C29 | | 860030S | Speed bolt | スピードボルト (M6) | 4P048680-2 | M6X29(S) | 18 | 18 | |
| C30 | | 860005 | Washer, speed bolt | スピードボルト用座金 | R4713334 | | 2 | 2 | |
| C31 | | 840002 | Drop out prevention washer | 脱落防止座金 | R4718607-6 | | 2 | 2 | |
| C33 | | 1560024 | Bypass protection plate | バイパス防止板 | 4P120521-1 | | 2 | 2 | |
| C34 | | 1380848 | Cover | カバー | 3P090387-1 | | 1 | 1 | |
| C35 | | 1496976 | Rear plate(middle) fixture | 裏板 (中) 固定具 | 4P105391-1 | | 2 | 2 | |
| C36 | | 1622489 | Return sensor mounting plate | リターンセンサ取付板 | 4P144429-1 | | 1 | 1 | |
| C37 | | 1380862 | RH sensor mounting plate | RHセンサ固定板 | 4P000182-1 | | 1 | 1 | |
| C38 | | 1496983 | Fixing plate, rear plate(upper) | 裏板 (上) 固定具 | 4P105390-1 | | 1 | 1 | |
| B21 | | 1605244 | Thermistor fixing plate, Resin | サーミスタ固定具 | 3P124175-1 | | 2 | 2 | |
| E14 | | 0508162 | Resin clamp | 樹脂バンド | NE41015-3 | | 1 | 1 | |

Parts related with the unit(inside)
 庫内関連部品

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|------------------------|----------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| E57 | | 1267091 | Wiring protection bush | 配線保護ブッシュ | 4P023920-1 | BLACK | 2 | 2 | |
| F72 | A | 0927770 | Humidity sensor(HUS) | 湿度センサー | 3PA61738-1 | RHU-600A-DI | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

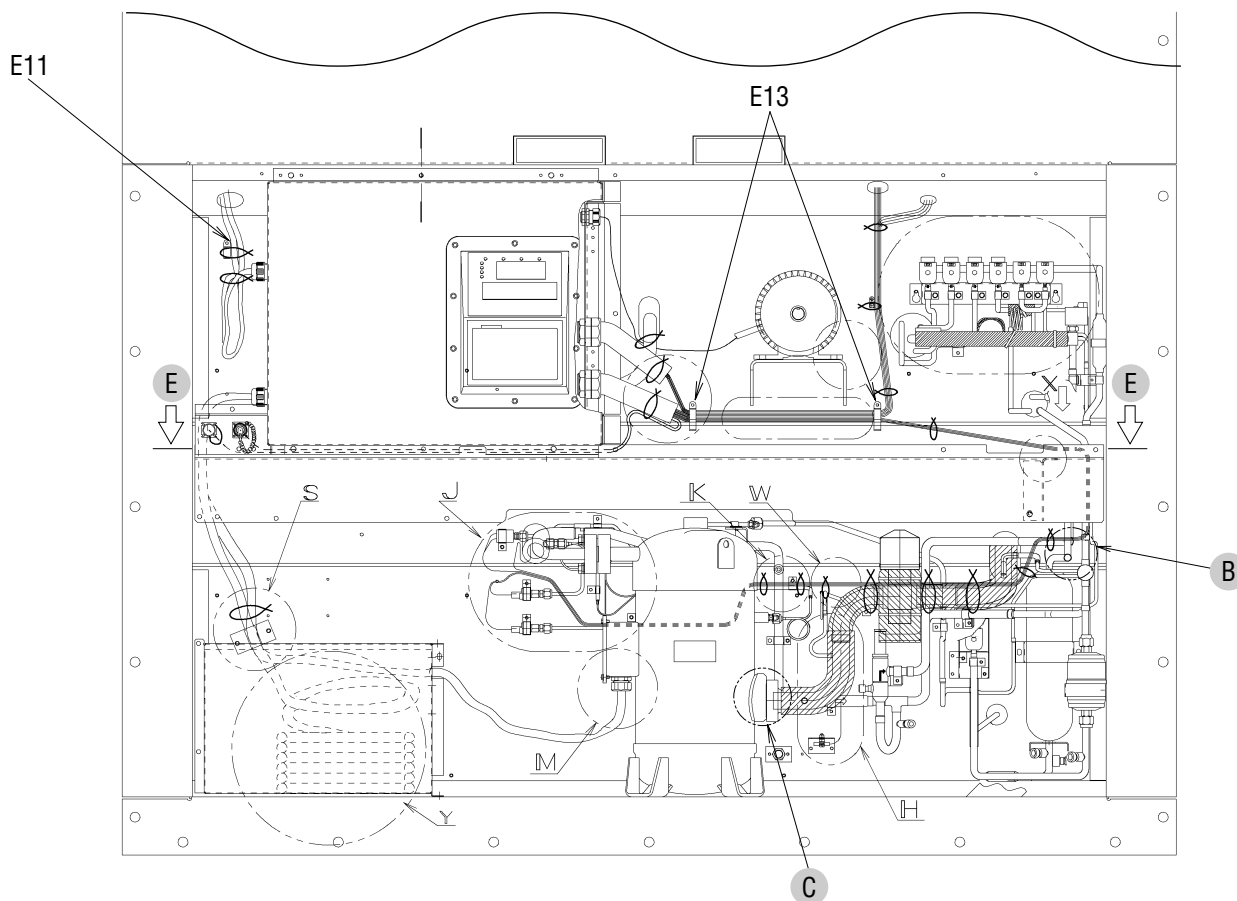
| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|------------|------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



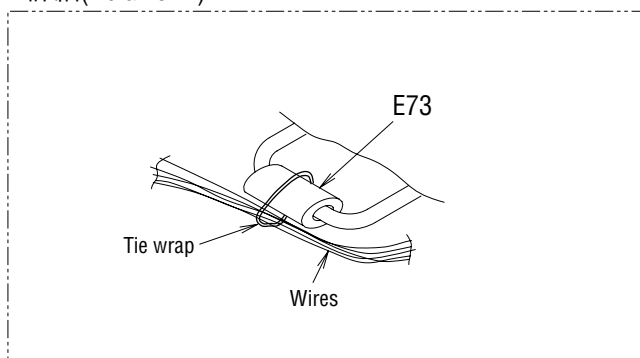
| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|--------------------------------------|----------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| D1 | | 1380691 | Evaporator ass'y | 蒸発器組立品 | 2P071832-1 | | 1 | 1 | |
| D2 | | 1380893 | Ass'y for pipe of drain pan | ドレンパン配管組立品 (レヒート) | 2P103794-2 | | 1 | 1 | |
| D3 | | 1612583 | Heat exchanger ass'y with insulation | 熱交換器防露筒組立品 (標準・P&O) | 3P143786-2 | | 1 | 1 | |
| D3-1 | | | Dowble tube heat exchanger ass'y | 二重管式熱交換器組立品 | 2P143779-2 | | 1 | 1 | |
| D3-2 | | 1549762 | Insulation tube, gas pipe(1) | ガス配管 (1) 防露筒 | 3P114518-1 | | 2 | 2 | |
| D3-3 | | 1549779 | Insulation tube, liquid pipe(1) | 液配管 (1) 防露筒 | 3P114518-2 | | 1 | 1 | |
| D3-4 | | 1549786 | Insulation tube, liquid pipe(2) | 液配管 (2) 防露筒 | 3P114518-3 | | 1 | 1 | |
| D3-5 | | 1380918 | Thermal insulation tube | 断熱筒 (熱交外管) | 4P103439-1 | | 1 | 1 | |
| D3-6 | | 1380925 | Thermal insulation tube | 断熱筒 (熱交外管) | 4P103439-2 | | 1 | 1 | |
| D3-7 | | 1380932 | Thermal insulation tube | 断熱筒 (熱交外管) | 4P103439-3 | | 1 | 1 | |
| D3-8 | | 1380949 | Thermal insulation tube | 断熱筒 (熱交外管) | 4P103439-4 | | 1 | 1 | |
| D3-9 | | 1549971 | Thermal insulation, gas pipe(3) | ガス配管 (3) 防露筒 | 3P114518-4 | | 1 | 1 | |
| D3-10 | | 1549988 | Thermal insulation, liquid pipe(3) | 液配管 (3) 防露筒 | 4P110520-2 | | 2 | 2 | |
| D4 | A | 1562828 | Senser(EIS) | センサー (E I S) | 3P012118-2 | | 1 | 1 | Refer to Page66 |
| D5 | A | 1562835 | Senser(EOS) | センサー (E O S) | 3PA61769-15 | | 1 | 1 | Refer to Page66 |
| D6 | | 1266308 | Filter | フィルタ | 3P032328-1 | | 1 | 1 | |
| D7 | | 0423968 | Mounting spring,thermistor | サーミスタ取付バネ | 4PA38890-1 | | 3 | 3 | |
| D8 | | 1624175 | Reheat coil inlet pipe | レヒートコイル入口管 (塗装無) P&O | 3P151248-2 | | 1 | 1 | |
| D9 | | 1624182 | Reheat coil outlet pipe | レヒートコイル出口管 (塗装無) P&O | 3P143751-2 | | 1 | 1 | |
| E30 | | 537320 | Hose band | ホースバンド | R4716528-3 | | 2 | 2 | |
| E60 | | 1267123 | Thermal insulation tube piping | 断熱筒配管緩衝材 | 4P011309-1 | | 3 | 3 | |
| E63 | | 1267154 | Insulation tube, evaporater header | 蒸発器ヘッダー防露筒 | 4P073525-1 | | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

• When ordering the parts whose No. are not shown in the PARTS NO. column, be sure to describe DWG. NO..
• 部品番号欄が空白になっている部品は、図面番号で、指示願います。

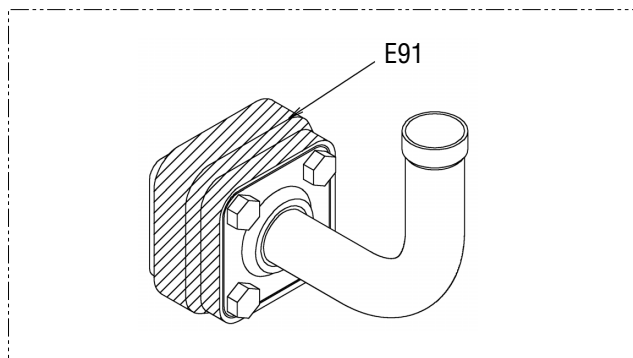
Other parts(Pipe clamp, sealing and insulation material etc.)
 その他部品 (配管固定具、シール材、防熱材等)



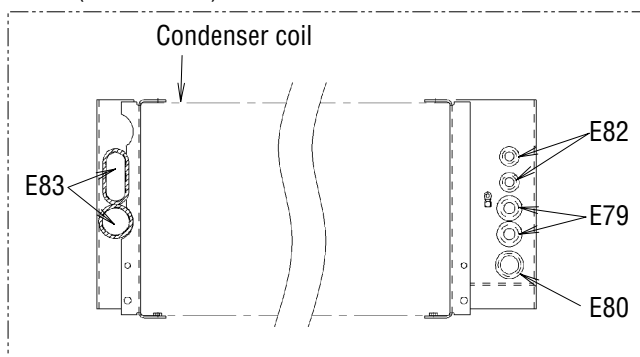
B詳細(Detail of B)



C詳細(Detail of C)



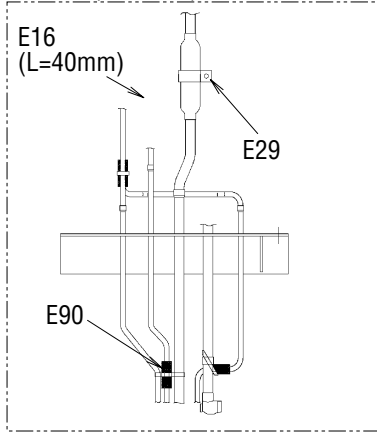
E断面(Section of E)



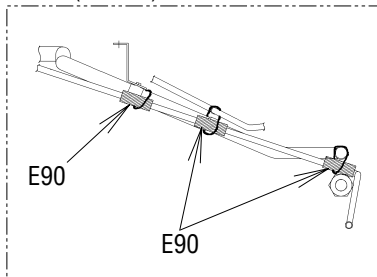
※(L = XX mm) indicates the length of cushion rubber E35.(Cut to suit pipe size.)

※(L = XX mm)と表記のものは、緩衝ゴム(E35)の長さです。(配管のサイズに合わせて切って使用ください。)

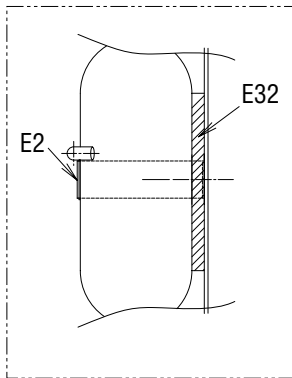
矢視A/B(View A/B)



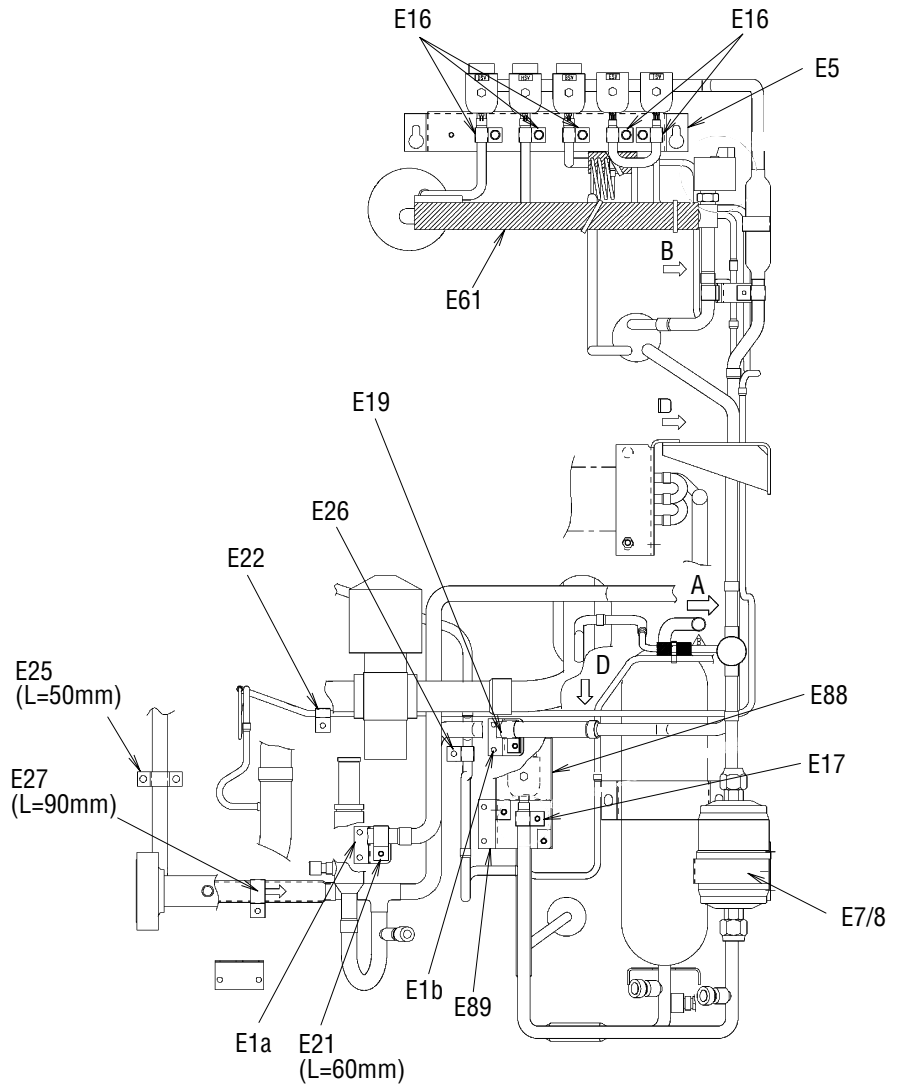
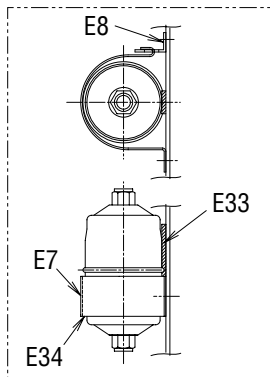
矢視D(View D)



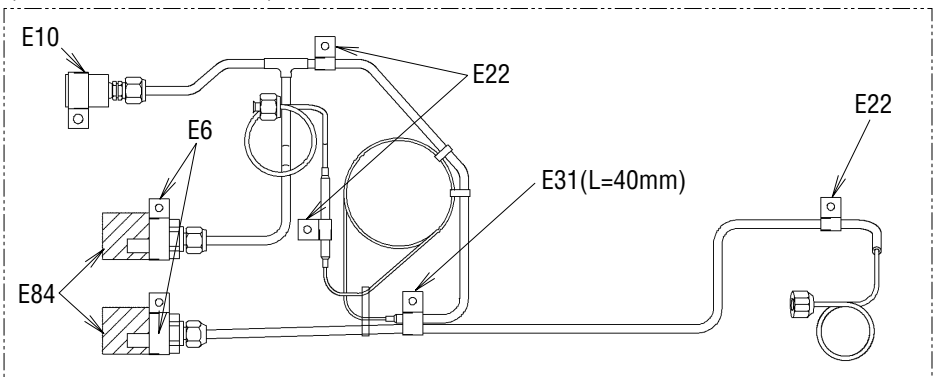
受液機器部詳細
(Receive part detail)



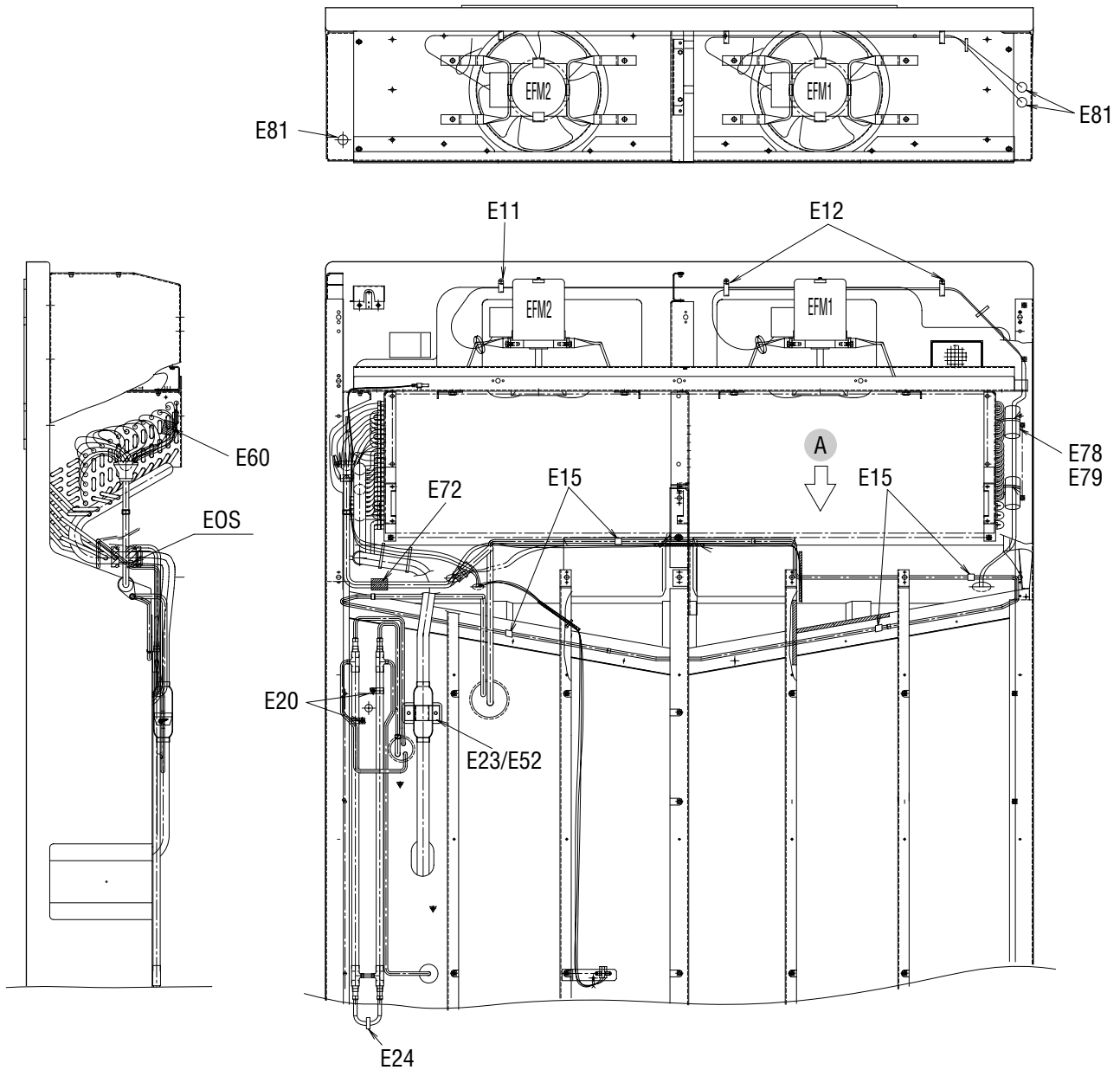
ドライヤー部詳細
(Dryer part detail)



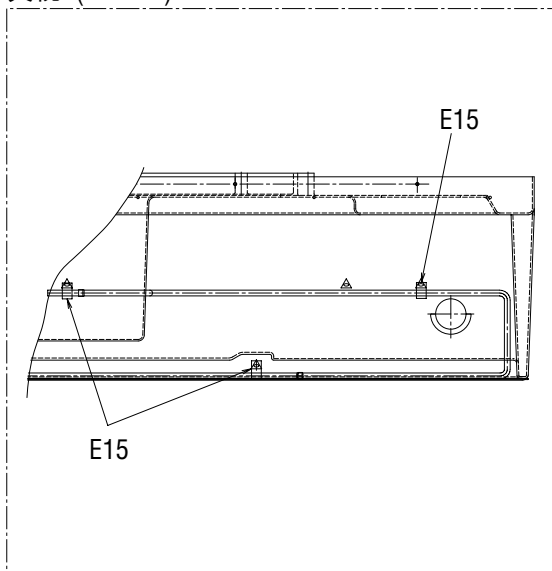
圧力センサー配管部詳細
(Pressure transducer detail)

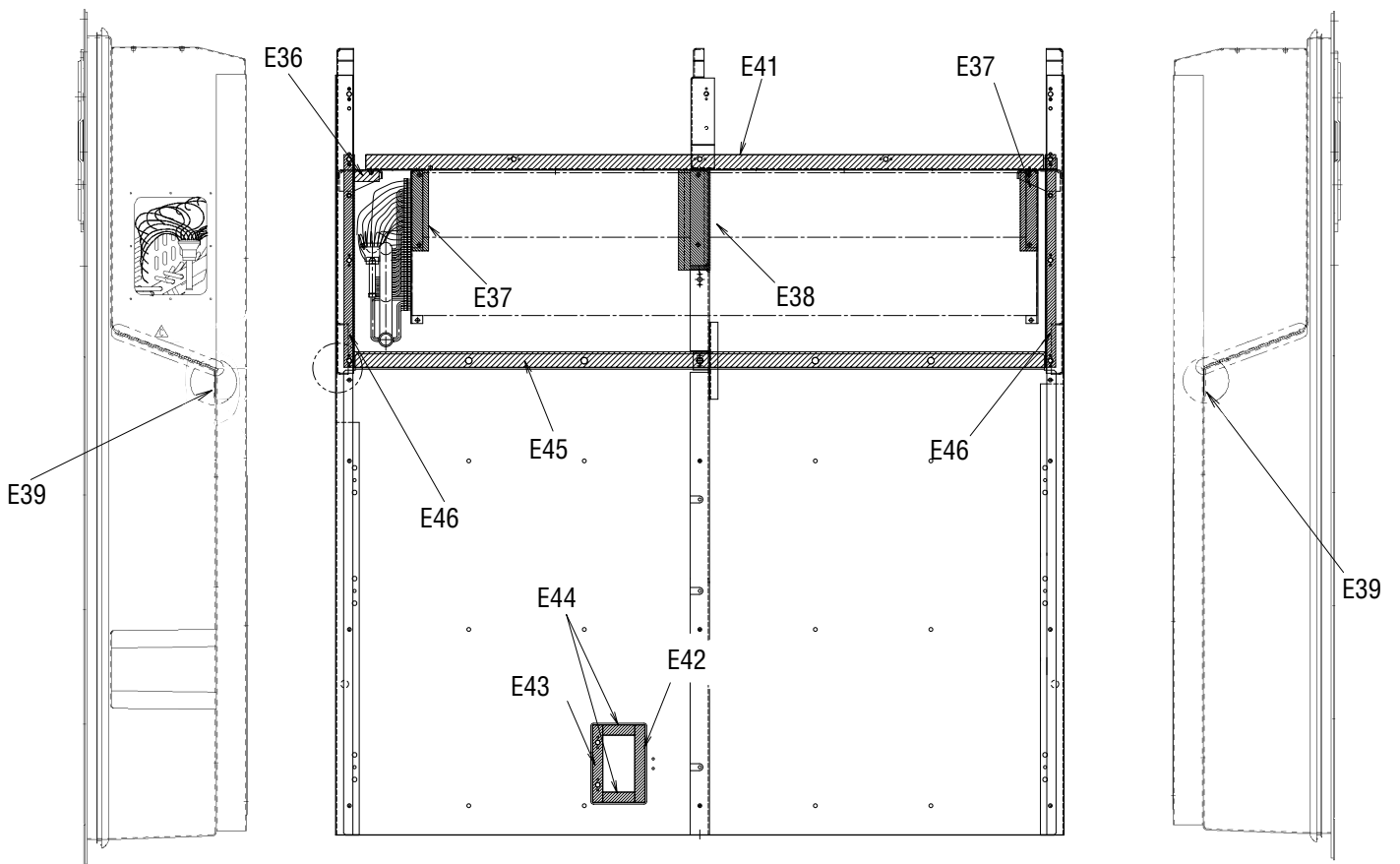
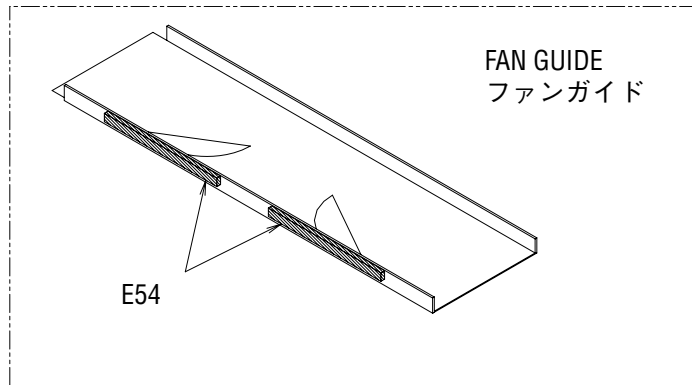


Other parts(Pipe clamp, sealing and insulation material etc.)
 その他部品 (配管固定具、シール材、防熱材等)

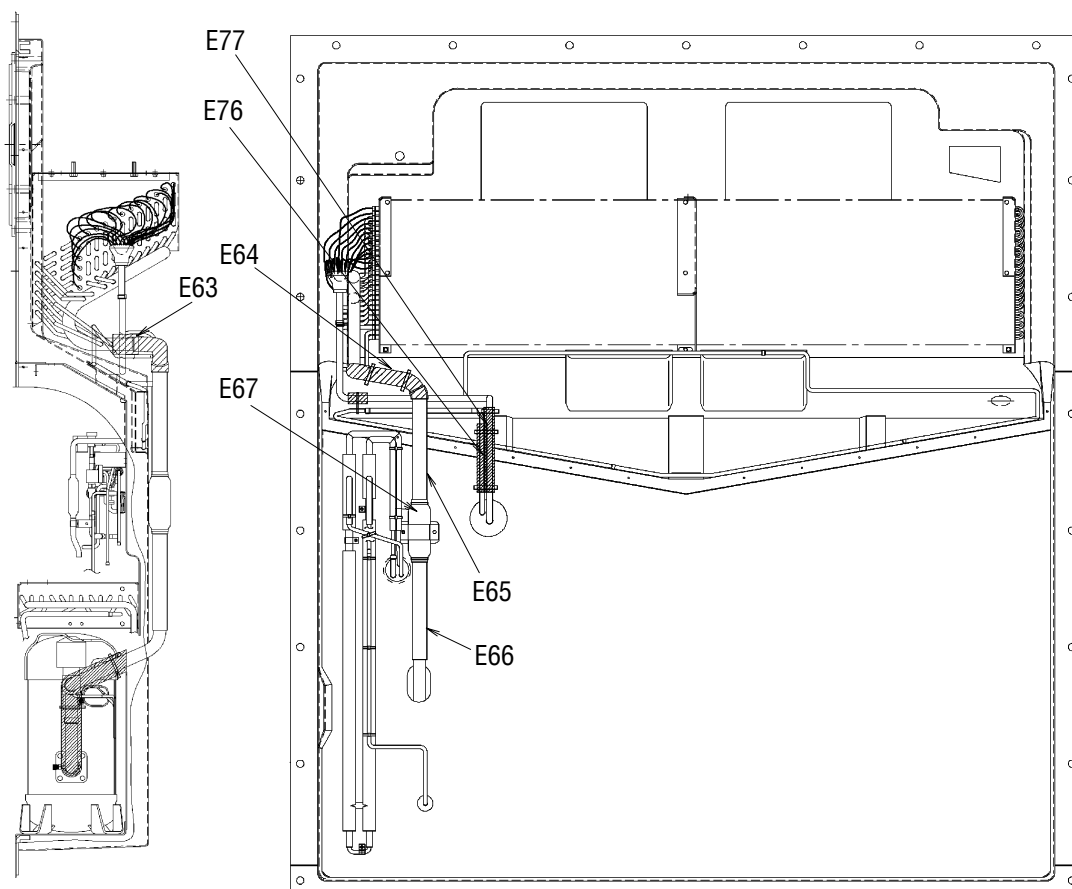
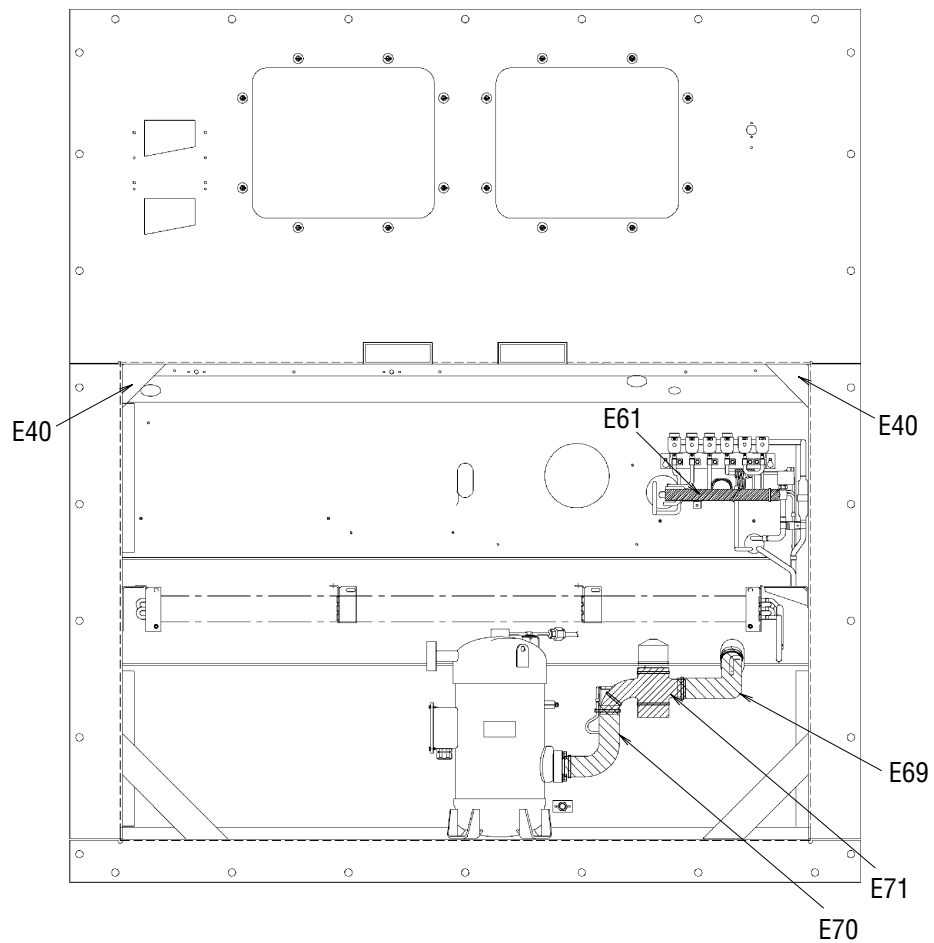


矢視A(VIEW A)





Other parts(Pipe clamp, sealing and insulation material etc.)
その他部品 (配管固定具、シール材、防熱材等)



Other parts(Pipe clamp, sealing and insulation material etc.)
 その他部品 (配管固定具、シール材、防熱材等)

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|------------------------------------|-----------------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| E1a | | 1266694 | Set plate, discharge pipe | 吐出配管取付板 | 4P079462-1 | | 1 | 1 | Page37 |
| E1b | | 1485938 | Mounting plate | 吐出配管取付板 (2) | 4P117351-1 | | 1 | 1 | Page37 |
| E2 | | 1266702 | Fixture plate, receiver | レシーバー固定具 | 4P011318-2 | t1.5 | 1 | 1 | Page37 |
| E4 | | 1612590 | Pipe fixing plate | 配管取付板組立品 | 4P148503-1 | | 1 | 1 | |
| E5 | | 1605477 | Set plate, HSV・DSV・BSV・RSV | HSV・DSV・BSV・RSV取付板組立品 | 4P148770-1 | | 1 | 1 | Page37 |
| E6 | | 1270439 | Tube clamp | 管止め金 | NE31016-58 | | 2 | 2 | Page37 |
| E7 | | 1266764 | Fitting band, dryer | ドライヤー取付バンド | 4PA51194-1 | | 1 | 1 | Page37 |
| E8 | | 1266771 | Set plate, dryer | 取付板 (ドライヤ) | 4P076788-1 | t2.0 | 1 | 1 | Page37 |
| E10 | | 1222764 | Resin clamp | 樹脂バンド | NE41015-9 | MILK WHITE | 1 | 1 | Page37 |
| E11 | | 0944528 | Resin clamp | 樹脂バンド | NE41015-7 | MILK WHITE | 2 | 2 | Page36,38 |
| E12 | | 0142492 | Resin clamp | 樹脂バンド | NE41015-10 | MILK WHITE | 2 | 2 | Page38 |
| E13 | | 1266788 | Resin clamp | 樹脂バンド | NE41015-12 | MILK WHITE | 6 | 6 | Page36 |
| E14 | | 0508162 | Resin clamp | 樹脂バンド | NE41015-3 | | 1 | 1 | Page30 |
| E15 | | 0782775 | Tube clamp | 管止め金 | NE31016-51 | | 5 | 5 | Page38 |
| E16 | | 1584215 | Nylon coating tube clamp | ナイロンコーティング管止め金 | 4P143802-51 | | 2 | 2 | Page37 |
| E17 | | 1584208 | Nylon coating tube clamp | ナイロンコーティング管止め金 | 4P143802-52 | | 1 | 1 | Page37 |
| E19 | | 1584222 | Nylon coating tube clamp | ナイロンコーティング管止め金 | 4P143802-54 | | 1 | 1 | Page37 |
| E20 | | 1386992 | Tube clamp, double tube heat exch | 二重管熱交換管止め金 | 4P103281-56 | | 2 | 2 | Page38 |
| E21 | | 0016290 | Tube clamp | 管止め金 | NE31016-56 | | 1 | 1 | Page37 |
| E22 | | 1584239 | Nylon coating tube holder | ナイロンコーティング管止め金 | 4P143802-71 | | 4 | 4 | Page37 |
| E23 | | 1266827 | Fixing plate, filter | フィルタ固定具 | 4P071794-1 | t1.5 | 1 | 1 | Page38 |
| E24 | | 1386985 | Tube clamp, double tube heat exch | 二重管熱交換管止め金 | 4P103281-51 | | 1 | 1 | Page38 |
| E25 | | 1266841 | Tube clamp | 管止め金 (2) | 4P005817-2 | | 1 | 1 | Page37 |
| E26 | | 1584215 | Nylon coating tube clamp | ナイロンコーティング管止め金 | 4P143802-51 | | 2 | 2 | Page37 |
| E27 | | 1266858 | Tube clamp | 管止め金 | NE31016-59 | | 1 | 1 | Page37 |
| E29 | | 1584246 | Nylon coating tube clamp | ナイロンコーティング管止め金 | 4P143802-59 | | 1 | 1 | Page37 |
| E30 | | 537320 | Hose band | ホースバンド | R4716528-3 | | 2 | 2 | Page34 |
| E31 | | 1380970 | Hot gas tube clamp | ホットガス管止め金 | 4PA43040-1 | | 1 | 1 | Page37 |
| E32 | | 1266889 | Cushion rubber, pipe clamp | 緩衝ゴム (管止用) | 4P064896-1 | t1.0 | 1 | 1 | Page37 |
| E33 | | 1266896 | Seal packing | シールパッキン | 4P011314-1 | | 1 | 1 | Page37 |
| E34 | | 1270446 | Dryer cushion rubber | ドライヤ緩衝ゴム | 4PA53083-2 | | 1 | 1 | Page37 |
| E35 | | 1584253 | Cushion rubber | 緩衝ゴム | NE41013-3-300 | | 1 | 1 | |
| E36 | | 1386947 | Sealing material, evaporator frame | 蒸発器受枠 (1) シール材 | 4P090149-1 | | 1 | 1 | Page39 |
| E37 | | 1266935 | Packing(for evaporator) | パッキン (蒸発器) | 4P063465-1 | | 2 | 2 | Page39 |
| E38 | | 1266942 | Packing(for evaporator) | パッキン (蒸発器) | 4P063465-2 | | 1 | 1 | Page39 |
| E39 | | 1381036 | Packing | パッキン | 4P095033-1 | | 2 | 2 | Page39 |
| E40 | | 1177369 | Cushion rubber | 仕切用ゴム | 4P026657-1 | t2.0 | 2 | 2 | Page40 |
| E41 | | 1386954 | Packing, fan guide | ファンガイドパッキン | 3P090183-1 | | 1 | 1 | Page39 |
| E42 | | 1266973 | Sealing material(patch plate2) | シール材 (当板2) | 4P068964-1 | t5.0 | 1 | 1 | Page39 |
| E43 | | 1381043 | Sealing materialL(patch plate3) | シール材 (当板3) | 4P095038-1 | | 1 | 1 | Page39 |

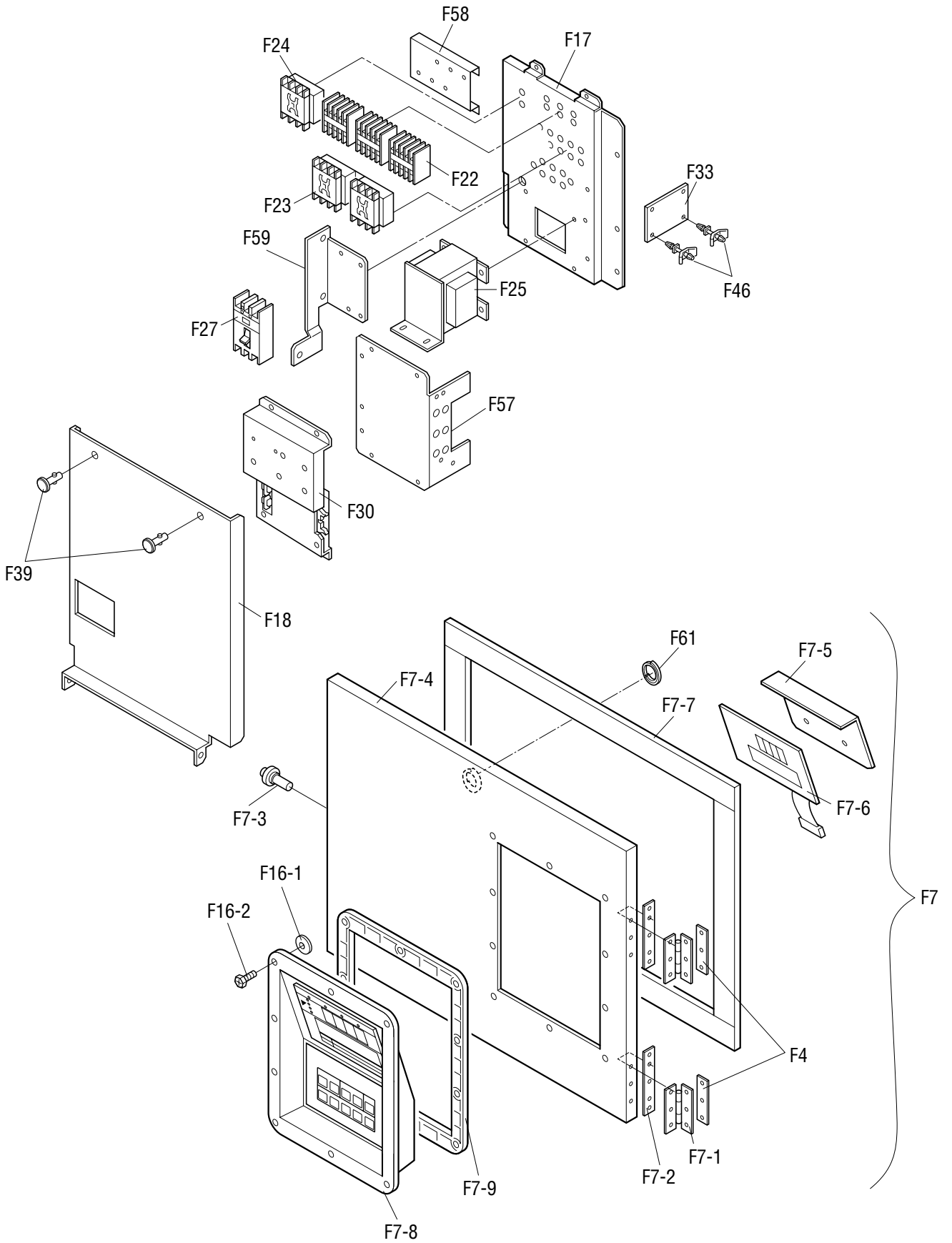
Other parts(Pipe clamp, sealing and insulation material etc.)

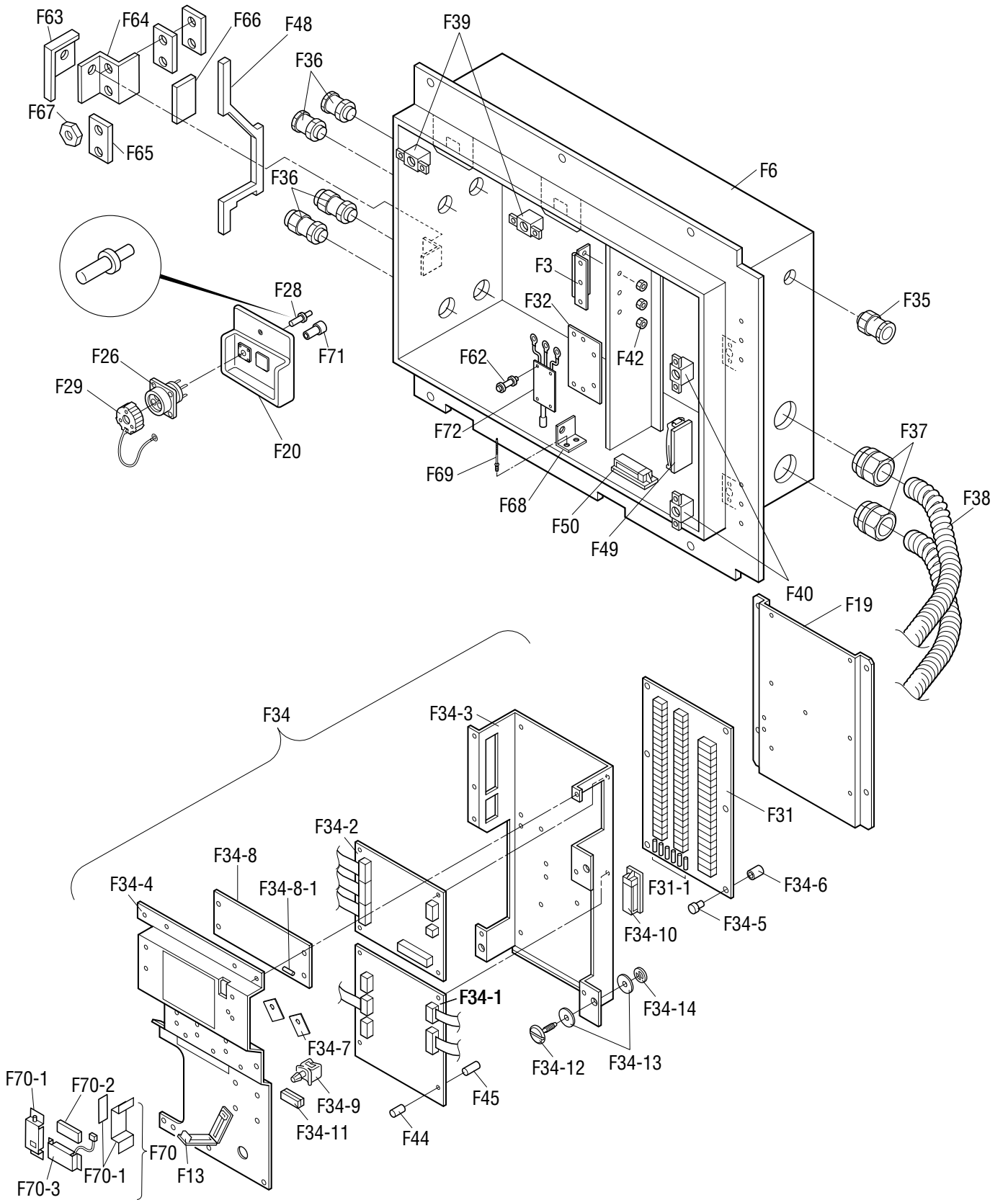
その他部品 (配管固定具、シール材、防熱材等)

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|---------------------------------------|-----------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| E44 | | 1266997 | Sealing material(patch plate1) | シール材 (当板 1) | 4P068968-1 | t5.0 | 2 | 2 | Page39 |
| E45 | | 1267008 | Sealing packing | シールパッキン | 3P011293-1 | | 1 | 1 | Page39 |
| E46 | | 1267015 | Packing(side stay) | パッキン (サイドステー) | 4P074127-1 | BLACK | 2 | 2 | Page39 |
| E52 | | 1584260 | Cushion rubber | 緩衝ゴム | NE41013-4-230 | | 1 | 1 | Page38 |
| E54 | | 1267060 | Packing for prevention of air bypass | バイパス防止用パッキン | 4P011733-1 | | 2 | 2 | Page39 |
| E55 | | 1267077 | Packing for prevention of vibration | C A 前板ビビリ防止パッキン | 4P050050-1 | | 2 | 2 | Page24 |
| E57 | | 1267091 | Wiring protection bush | 配線保護ブッシュ | 4P023920-1 | BLACK | 2 | 2 | Page30 |
| E60 | | 1267123 | Thermal insulation tube piping | 断熱筒配管緩衝材 | 4P011309-1 | | 3 | 3 | Page37,38 |
| E61 | | 1605460 | Insulation tube EV outlet pipe | 膨張弁出口配管防露筒 | 4P148629-1 | | 1 | 1 | Page37,40 |
| E63 | | 1267154 | Insulation tube, evaporater header | 蒸発器ヘッダー防露筒 | 4P073525-1 | | 1 | 1 | Page40 |
| E64 | | 1267161 | Cushion material suction pipe(1) | 吸入配管緩衝材 (1) | 3P073468-1 | | 1 | 1 | Page40 |
| E65 | | 1267178 | Cushion material suction pipe(2) | 吸入配管緩衝材 (2) | 3P073468-2 | | 1 | 1 | Page40 |
| E66 | | 1267224 | Cushion material suction pipe(3) | 吸入配管緩衝材 (3) | 3P073468-3 | | 1 | 1 | Page40 |
| E67 | | 1584378 | Suction pipe | 吸入配管断熱材 | 4P140007-1 | | 1 | 1 | Page40 |
| E69 | | 1267255 | Thermal insulation tube | 断熱筒 (吸入弁庫外側) | 4P081186-1 | | 1 | 1 | Page40 |
| E70 | | 1267262 | Thermal insulation tube | 断熱筒 (圧縮機根元・吸入弁) | 4P081187-1 | | 1 | 1 | Page40 |
| E71 | | 1448371 | Suction solenoid valve insulator | 吸入比例弁防熱材 (1) | 2P079441-1 | | 1 | 1 | Page40 |
| E72 | | 1267286 | Thermal insulation tube | 断熱筒配管緩衝材 | 4P011309-3 | | 1 | 1 | Page38 |
| E73 | | 1267293 | Thermal insulation tube | 断熱筒配管緩衝材 | 4P011309-4 | | 2 | 2 | Page36 |
| E76 | | 1267325 | Thermal insulation tube(drain outlet) | 断熱筒 (ドレン入口管防露筒) | 4P067126-1 | | 1 | 1 | Page40 |
| E77 | | 1485921 | Thermal insulation tube | 熱交入口管防露筒 | 4P117089-1 | | 1 | 1 | Page40 |
| E78 | | 1267349 | Tube cushion material | 配管緩衝材 | 4PA50427-1 | | 1 | 1 | Page38 |
| E79 | | 1278921 | Heat protection tie wrap | 耐熱用タイラップ | 4SA90202-1 | | 3 | 3 | Page36,38 |
| E80 | | 1267356 | Rubber bush | ゴムブッシュ | R3713279-4 | | 1 | 1 | Page36 |
| E81 | | 0024640 | Rubber bush | ゴムブッシュ | R3713279-3 | | 3 | 3 | Page38 |
| E82 | | 1267370 | Rubber bush | ゴムブッシュ | R3713279-2 | | 2 | 2 | Page36 |
| E83 | | 1267387 | U-packing | U字形パッキン | NA40014-4-500 | L=500 | 1 | 1 | Page36 |
| E84 | B | 1605509 | Heat shrinkable tube | 熱収縮チューブ | 4P151322-1 | | 2 | 2 | Page37 |
| E86 | B | 1270453 | Heat shrinkable tube | 熱収縮チューブ | 4P075241-1 | | 1 | 1 | |
| E87 | B | 1497070 | Thermal insulation tape, no-dry | 不乾性形断熱テープ | 3SA90101-3-KA | | 3 | 3 | |
| E88 | | 1494925 | LSV cover | 液電磁弁カバー | 4P093386-1 | | 1 | 1 | Page37 |
| E89 | | 1270484 | Mounting plate, solenoid valve | 取付板 | 4P082208-1 | | 1 | 1 | Page37 |
| E90 | | 1381012 | Protection rubber | 保護ゴム | 4PA43128-1 | | 7 | 7 | Page37 |
| E91 | | 1448388 | Suction flange | 吸入フランジシール材 | 4P083248-1 | | 1 | 1 | Page36 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Other parts(Pipe clamp, sealing and insulation material etc.)
 その他部品 (配管固定具、シール材、防熱材等)

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|------------|------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |





Control box
コントローラボックス

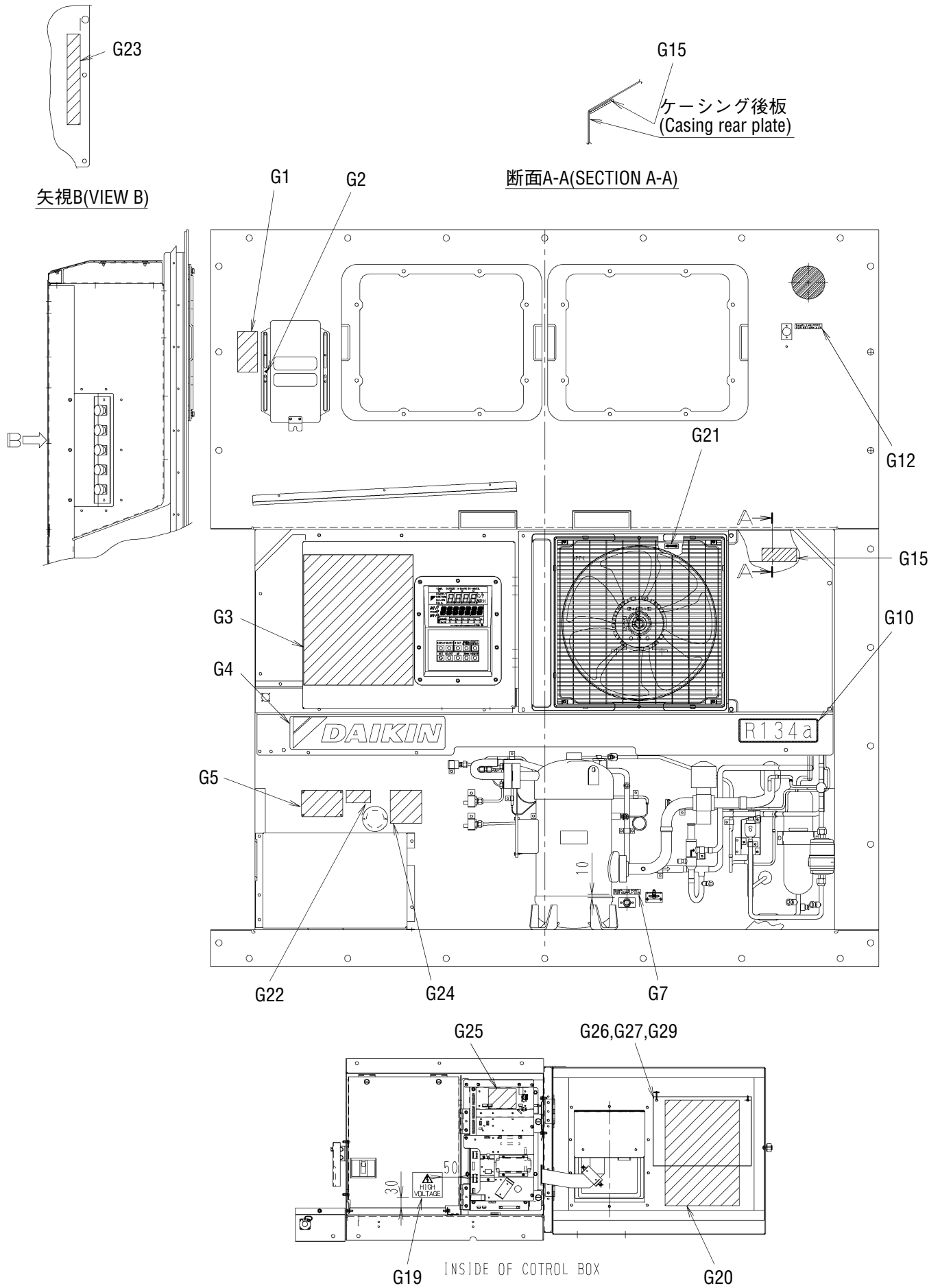
| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|--|------------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| F3 | | 1136407 | Hinge(recorder/box cover) | 平蝶番 (レコーダボックス蓋) | 4P021346-1 | | 2 | 2 | |
| F4 | | 1136414 | Patch plate nut | 当板ナット | 4P044898-2 | | 2 | 2 | |
| F6 | | 1622496 | C.BOX welding ass'y | コントロールボックス溶接組立品 | 2P098553-4 | | 1 | 1 | |
| F7 | C | 1600636 | C.BOX cover ass'y | コントロールボックス蓋組立品 | 2P147871-6 | | 1 | 1 | Refer to Page62 |
| F7-1 | | 1136407 | Hinge(recorder/box cover) | 平蝶番 (レコーダボックス蓋) | 4P021346-1 | | 2 | 2 | |
| F7-2 | | 1136414 | Patch plate nut | 当板ナット | 4P044898-2 | | 2 | 2 | |
| F7-3 | | 0907093 | Roller, quick lock lever | ワンタッチ金具用ローラ | 4PA51277-1 | | 1 | 1 | |
| F7-4 | | 1587841 | C.BOX cover welding ass'y | コントロールボックス蓋溶接組立品 | 3P085038-5 | | 1 | 1 | |
| F7-5 | | 1267457 | Operation display cover | 操作表示カバー | 3P078251-1 | t1.0 | 1 | 1 | |
| F7-6 | A | 1010815 | Display board | 表示基板 | 2P010368-2 | | 1 | 1 | |
| F7-7 | | 1381081 | Rubber gasket | ゴムガスケット (C. BOX蓋用パッキン) | 4P085198-1 | | 1 | 1 | |
| F7-8 | A | 1295553 | Control panel(with sheet key) | コントロールパネル (シートキー付) | 3P085319-1 | | 1 | 1 | |
| F7-9 | | 1128949 | Packing | パッキン (樹脂パネル) | 3P030317-1 | | 1 | 1 | |
| F13 | | 1136539 | Clamp | クランプ金具 | 4P015574-2 | | 1 | 1 | |
| F16-1 | | 0907062 | Seal washer | シール座金 (ボンテッド座金) | 4PA21941-5 | | 10 | 10 | |
| F16-2 | | 1267488 | Pan head machine screw | アプセット小ネジ | 4P067677-1 | M5×16 | 10 | 10 | |
| F17 | | 1387197 | Set plate(1) | 機器取付板 (1) | 2P095432-1 | | 1 | 1 | |
| F18 | | 1267503 | Blind plate(2) | 機器取付板 (2) | 2P078296-1 | t1.2 | 1 | 1 | |
| F19 | | 1381098 | Mounting plate, terminal board | 端子台基板取付板 | 3P090389-1 | | 1 | 1 | |
| F20 | | 1622605 | PC port fixing plate | パソコンポート固定板 | 3P147873-2 | | 1 | 1 | |
| F22 | A | 1198931 | Magnetic contactor(for Fans) | 電磁接触器 (ファン用) | 3P055568-1 | 24V PAK-6J31C | 3 | 3 | |
| F23 | A | 1241493 | Magnetic contactor(Phase correction contactor) | 相順切換電磁接触器 (PCC) | 3P071508-3 | 24V RSK-35J | 1 | 1 | |
| F24 | A | 1198917 | Magnetic contactor(Compressor) | 電磁接触器 (圧縮機) | 3P055566-1 | 24V PAK35J-S536 | 1 | 1 | |
| F25 | C | 1562796 | Low frequency transformer | 低周波変圧器 | 3P139293-1 | | 1 | 1 | |
| F26 | C | 1381113 | PC port connector | パソコンポートコネクタ | 3P073218-1 | | 1 | 1 | |
| F27 | A | 1381120 | Earth leakage circuit breaker | 漏電遮断器 | 3P093326-1 | | 1 | 1 | |
| F28 | C | 1141144 | Contact, receptacle | コンタクト、レセプタクル用 | 3P010806-1 | HD10 | 3 | 3 | |
| F29 | | 1381137 | PC port connector ass'y | パソコンポートカバー組立品 | 3P010743-2 | | 1 | 1 | |
| F30 | A | 0954633 | PT/CT board | P T / C T ボード | 2P010906-3 | | 1 | 1 | |
| F31 | A | 1256116 | Terminal strip board | 端子台基板 | 2P078284-1 | | 1 | 1 | |
| F31-1 | A | 0030652 | Fuse, control | 制御用ヒューズ | 4SA42006-4 | 250V 10A | 6 | 6 | |
| F32 | | 1381144 | Mounting plate thermal sensor | 温度センサ取付板 | 4P010921-1 | | 1 | 1 | |
| F33 | A | 0329679 | Reverse phase protector | 逆相保護装置 (RPP) | 3SA42153-1 | 346-440V | 1 | 1 | |
| F34 | A | 1584284 | Controller assemblies | コントローラ組立品 | 3P101756-7 | | 1 | | |
| F34 | A | 1645747 | Controller assemblies | コントローラ組立品 | 3P161732-2 | | | 1 | |
| F34-1 | A | 1581379 | PCB ass'y | プリント基板組立品 | 2P065387-16 | | 1 | | |
| F34-1 | A | 1642553 | PCB ass'y | プリント基板組立品 | 2P161091-2 | | | 1 | |
| F34-2 | A | 1378751 | I/O board ass'y | I/O ボード | 2P010367-2 | | 1 | | |
| F34-2 | A | 0954594 | I/O board ass'y | I/O ボード | 2P010367-1 | | | 1 | |
| F34-3 | | 1381151 | Bottom plate(sheet metal) | コントローラ底板 | 2P098577-1 | | 1 | 1 | |

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|---------------------------------------|-----------------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| F34-4 | B | 1381168 | Controller cover | 蓋 (コントローラ) | 2P099967-1 | | 1 | 1 | |
| F34-5 | | 1099940 | Support bushing, PCB | プリント基板サポートブッシュ | MI49531-11 | | 14 | 14 | |
| F34-6 | | 1099957 | Support color, PCB | プリント基板サポートカラー | MI49531-13 | | 14 | 14 | |
| F34-7 | | 1267572 | Rubber transistor | 放熱用ゴムトランジスタ | 4P005330-1 | | 2 | 2 | |
| F34-8 | A | 1250783 | PC board for suction modulating valve | プリント基板組立品 (吸入制御弁用) | 3P065441-1 | EC0058 | 1 | 1 | |
| F34-8-1 | A | 0445432 | Fuse, control | 制御用ヒューズ | 4SA42006-3 | 250V 5A | 1 | 1 | |
| F34-9 | | 1267596 | Locking wire saddle | ロッキングワイヤサドル | 4P015570-2 | LWS | 3 | 3 | |
| F34-10 | | 1267604 | Flat cable clamp | フラットケーブルクランプスナップタイプ | 4P015573-1 | | 1 | 1 | |
| F34-11 | | 1136539 | Clamp | クランプ金具 | 4P015574-2 | | 1 | 1 | |
| F34-12 | | 1267611 | Speed bolt | スピードボルト (M6) | 4P048680-3 | M6X20(S) | 2 | 2 | |
| F34-13 | | 860005 | Washer, speed bolt | スピードボルト用座金 | R4713334 | | 4 | 4 | |
| F34-14 | | 840002 | Drop out prevention washer | 脱落防止座金 | R4718607-6 | | 2 | 2 | |
| F35 | | 1267628 | Wire(wire ground) | 電線 (電線グラウンド) | 4P067662-1 | | 1 | 1 | |
| F36 | | 1267635 | Wire(wire ground) | 電線 (電線グラウンド) | 4P067663-1 | | 4 | 4 | |
| F37 | | 1635346 | Flexible tube(resin) | 樹脂製フレキシブル管用グラウンド | 4P157387-1 | | 2 | 2 | |
| F38 | | 1635353 | Flexible tube(resin) | 樹脂製フレキシブル管 | 4P157410-1 | | 2 | 2 | |
| F39 | | 1267666 | Quick fastener | クイックファスナー | 4P064642-1 | | 2 | 2 | |
| F40 | | 860015 | Universal nut | 自在ナット | R4713188-1 | | 2 | 2 | |
| F42 | | 833302 | Nylon nut | ナイロンナット | R4716460-1 | M4 | 4 | 4 | |
| F44 | | 1099940 | Support bushing, PCB | プリント基板サポートブッシュ | MI49531-11 | | 7 | 7 | |
| F45 | | 1099957 | Support color, PCB | プリント基板サポートカラー | MI49531-13 | | 7 | 7 | |
| F46 | | 981616 | Locking card spacer | ロッキングカードスペーサー | R3428091-3 | KGLS-8S | 4 | 4 | |
| F48 | | 1326820 | Packing(C.BOX front plate) | パッキン (C. BOX 前板) | 4P085513-1 | | 1 | 1 | |
| F49 | | 1136539 | Clamp | クランプ金具 | 4P015574-2 | | 2 | 2 | |
| F50 | | 1267712 | Clamp | クランプ金具 | 3P049495-1 | | 2 | 2 | |
| F57 | | 1549894 | Set plate(PT/CT board) | 機器取付板 (P T / C T ボード) | 3P126713-1 | | 1 | 1 | |
| F58 | | 1267781 | Mounting plate, elect components | 電装品取付板 | 4P064227-1 | t=1.2 | 1 | 1 | |
| F59 | | 1549902 | Set plate(breaker) | 機器取付板 (ブレーカ) | 3P126712-1 | | 1 | 1 | |
| F61 | | 1295623 | Fixtture(instruction ring) | 固定具 (インストラクションリング) | 4P064698-1 | Wire diameter | 1 | 1 | |
| F62 | | 1381175 | Circuit board spacer | サーキットボードスペーサ | 4P000347-1 | | 4 | 4 | |
| F63 | | 1295630 | Lever | ワンタッチ金具 | 4P085171-1 | | 1 | 1 | |
| F64 | | 1295647 | Fixing plate for lever | ワンタッチ金具取付板 | 4P085164-1 | | 1 | 1 | |
| F65 | | 0907125 | Sealed sheet | 絶縁シート (ワンタッチ金具) | 4PA52417-1 | t0.075±0.01 | 1 | 1 | |
| F66 | | 0907132 | Sealed sheet | 絶縁シート (ワンタッチ金具) | 4PA52417-2 | t0.075±0.01 | 1 | 1 | |
| F67 | | 833301 | Nylon nut | ナイロンナット | R4716460-3 | M6 | 3 | 3 | |
| F68 | | 1562859 | Implent use cover mounting plate | 機器カバー取付板 | 4P095433-1 | | 1 | 1 | |
| F69 | | 1378441 | Rivet | リベット | 4P057425-2 | | 2 | 2 | |
| F70 | A | 1378162 | Chargeble battery ass'y | 充電器組立品 | 2P103790-1 | | 1 | 1 | |
| F70-1 | | 1381182 | Chargeble battery PCB ass'y | 充電P板組立品 | 2P103790-1-KA | | 1 | 1 | |
| F70-2 | | 1381207 | Chargeable battery | チャージャブルバッテリー | 2P103790-1-KI | | 1 | 1 | |

Control box
 コントローラボックス

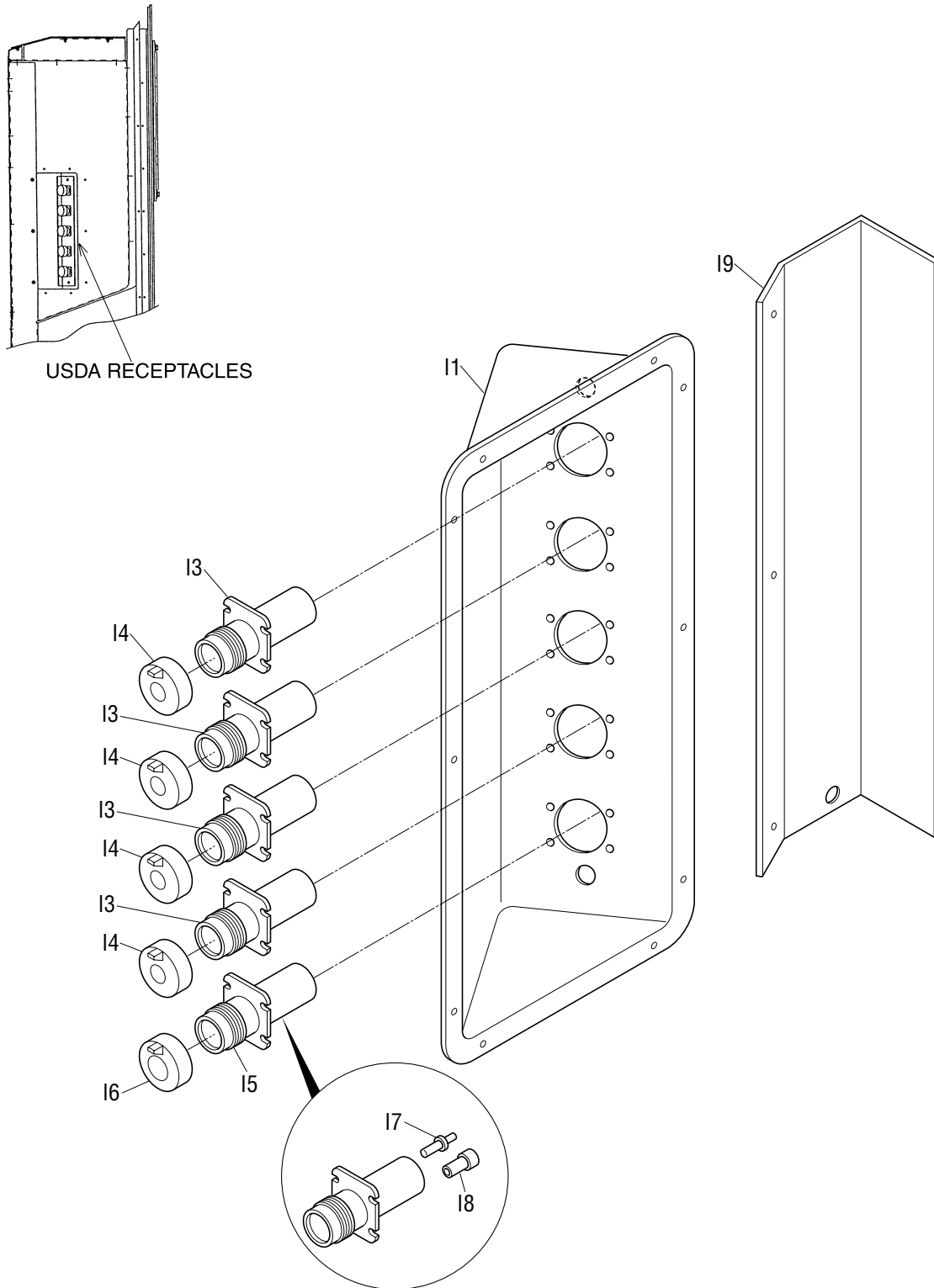
| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|----------------------|-------------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| F70-3 | | 1381214 | Battery holder | 電池ホルダ | 2P103790-1-KU | | 1 | 1 | |
| F71 | | 1381221 | Wire harness | 平行ピン (ドイチェ製シールピン) | 3P040139-1 | | 2 | 2 | |
| F72 | A | 0927770 | Humidity sensor(HUS) | 湿度センサー | 3PA61738-1 | RHU-600A-DI | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|------------|------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



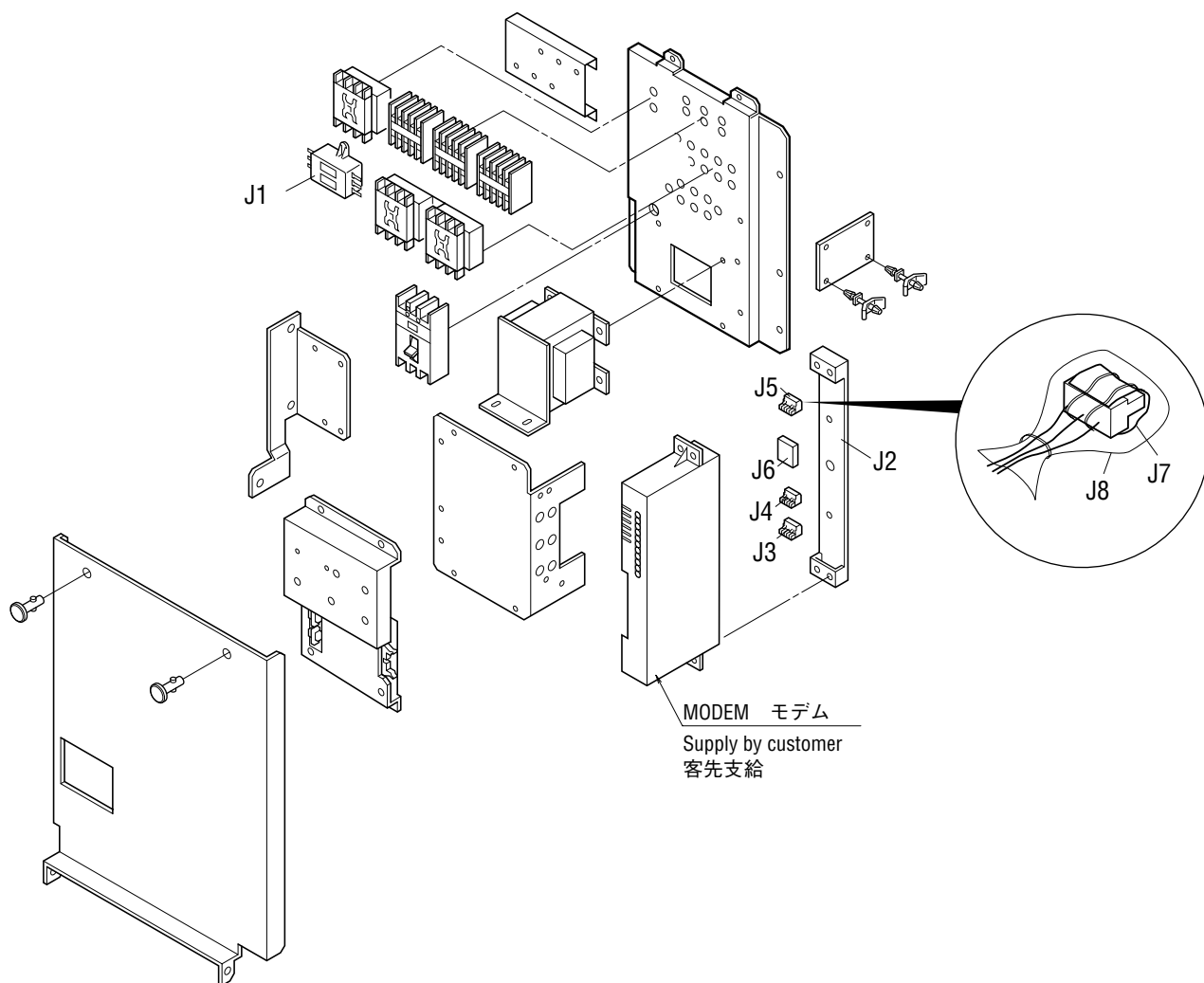
| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|--|---------------------------------|------------------|-----------------------------|----------|------|-----------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| G1 | | 1584291 | Ventilator name plate | 換気口銘板 (統合仕様) | 4P146327-1 | | 1 | 1 | |
| G2 | | 1267952 | Name plate, ventilator arrow | ベンチレータ矢印銘板 | 4P018502-1 | | 1 | 1 | |
| G3 | | 1557042 | Name plate, operation | 操作銘板 | 1P136900-1 | | 1 | 1 | Refer to Page62 |
| G4 | | 1306530 | Name plate, Brand name | 意匠銘板 | 4P085985-1 | | 1 | 1 | Refer to Page63 |
| G5 | | 1381339 | Name plate, unit performance | 機械銘板 | 3P066702-1 | | 1 | 1 | |
| G7 | | 1381423 | Name plate, check point(return) | サーモチェックポイント (吹出側) | 4P103582-2 | | 1 | 1 | |
| G10 | | 1178843 | Name plate, refrigerant | 冷媒銘板 | 3P009750-1 | | 1 | 1 | Refer to Page63 |
| G12 | | 1381346 | Name plate, check point(supply) | サーモチェックポイント (吸込側) | 4P103582-1 | | 1 | 1 | |
| G15 | | 1605491 | Name plate, solenoid valve location | 電磁弁配置銘板 (P & O) | 4P151256-1 | | 1 | 1 | |
| G19 | | 1181267 | Caution label, high voltage | 高電圧注意銘板 | 4P010095-1 | English | 1 | 1 | |
| G20 | | 1584309 | Name plate, wiring diagram | 電気配線図銘板 | 2D047172-1 | | 1 | 1 | Refer to Page62 |
| G21 | | 0345587 | Name plate, arrow | 矢印銘板 | YA41011-1 | | 1 | 1 | |
| G22 | | 1584316 | Name plate, warranty period | 保証期間銘板 | 4P146577-1 | | 1 | 1 | |
| G23 | | 1381391 | Name plate, USDA | U S D A 銘板 | 3P074006-1 | | 1 | 1 | |
| G24 | | 1381409 | Caution label, refrigerant recovery | フロン回収・破壊法対応銘板 (HFC用) | 3P086874-1 | | 1 | 1 | |
| G25 | | 1381416 | Name plate, emergency | エマージェンシー銘板 (吸入比例弁) | 3P069655-1 | | 1 | 1 | |
| G26 | | 1372498 | Instruction card(emergency & service port) | インストラクションカード (エマージェンシー&サービスポート) | 3P092354-1 | | 1 | 1 | |
| G27 | | 1584323 | Instruction card, basic operation | インストカード 基本操作 (英) (レコダ無) | 3P146326-1 | | 1 | 1 | |
| G29 | | 1584330 | Instruction card, initial setting | インストカード 初期設定 (英) 統合仕様 | 3P146678-1 | | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Parts related with option 1 – USDA
オプション関連部品 1 – USDA関連



| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|----------------------------------|------------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| 11 | | 1622580 | Mounting plate ass'y, receptacle | USDA取付板（樹脂） | 2P146266-1 | | 1 | 1 | |
| 13 | C | 0991531 | PC port connector | パソコンポートコネクタ | 3P010803-1 | | 4 | 4 | |
| 14 | | 1267541 | Cover ass'y, PC port | パソコンポートカバー組立品 | 3P010743-1 | | 4 | 4 | |
| 15 | C | 1381113 | PC port connector | パソコンポートコネクタ | 3P073218-1 | | 1 | 1 | |
| 16 | | 1381137 | PC port connector ass'y | パソコンポートカバー組立品 | 3P010743-2 | | 1 | 1 | |
| 17 | C | 1141144 | Contact, receptacle | コンタクト、レセプタクル用 | 3P010806-1 | HD10 | 8 | 8 | |
| 17 | C | 1141144 | Contact, receptacle | コンタクト、レセプタクル用 | 3P010806-1 | HD10 | 3 | 3 | |
| 18 | | 1381221 | Wire harness | 平行ピン（ドイツ製シールドピン） | 3P040139-1 | | 6 | 6 | |
| 19 | | 1622597 | USDA Receptacle cover | USDAレセプタクルカバー | 3P146268-1 | | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

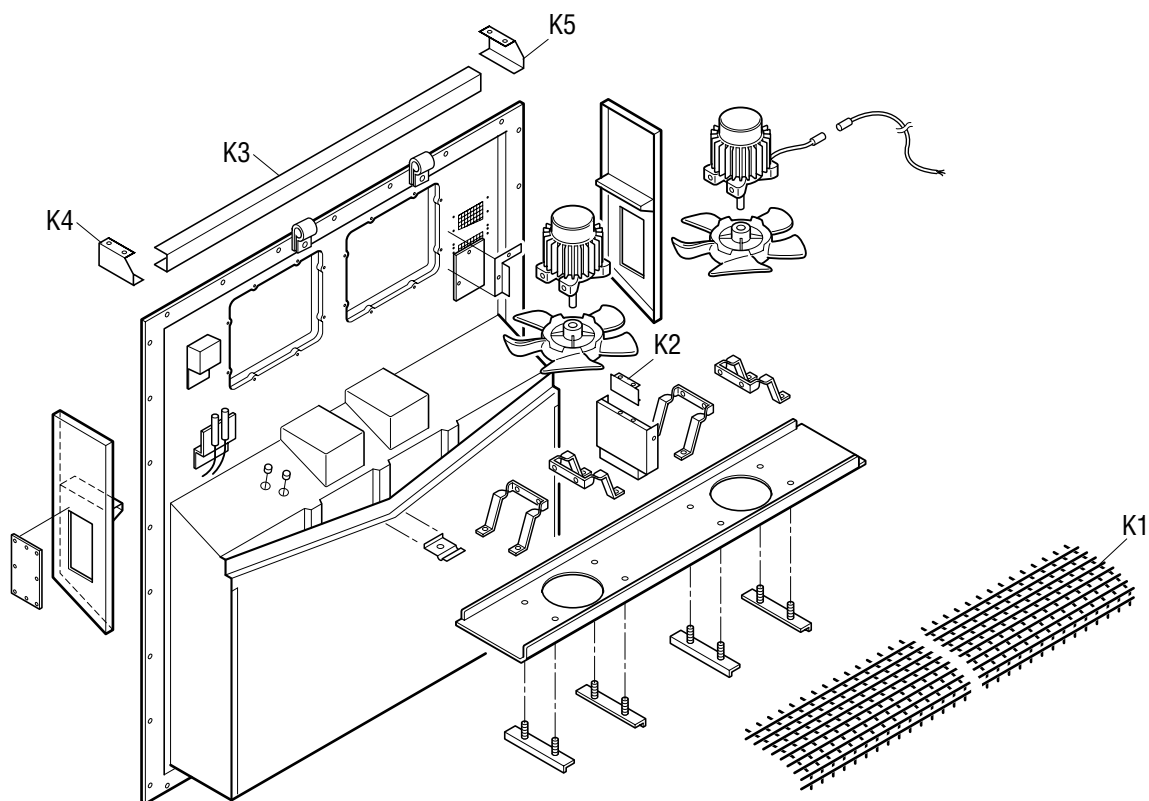
Parts related with option 2 – MODEM
オプション関連部品 2 – モデム



| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|-------------------------|-----------------|------------------|----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| J1 | B | 0954640 | Noise filter | ノイズフィルタ | 2PA51273-1 | ZAC2206-11 | 1 | 1 | |
| J2 | | 1448410 | Mounting plate(modem) | 取付板 (モデム) | 4P081133-1 | | 1 | 1 | |
| J3 | | 1267736 | Connector for MODEM | モデム用コネクタ | 3P012038-3 | BLA3 | 1 | 1 | |
| J4 | | 1267743 | Connector for MODEM | モデム用コネクタ | 3P010371-7 | | 1 | 1 | |
| J5 | | 1267750 | Connector for MODEM | モデム用コネクタ | 3P012038-7 | BLA7 | 1 | 1 | |
| J6 | | 0468839 | Noise filter(for modem) | ノイズフィルター (モデム用) | 3EA76001-1 | | 1 | 1 | |
| J7 | | 1267767 | CR rubber | C R ゴム | 4P027629-1 | | 1 | 1 | |
| J8 | | 1344781 | Vinyl bag | ビニール袋 | RI40021-5 | | 2 | 2 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

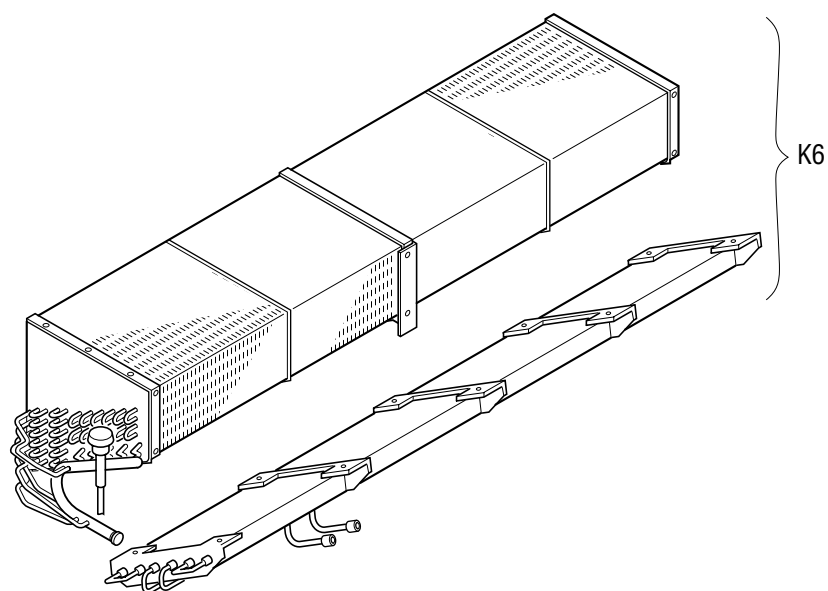
1. Indoor fan guard

1. 庫内ファンガード



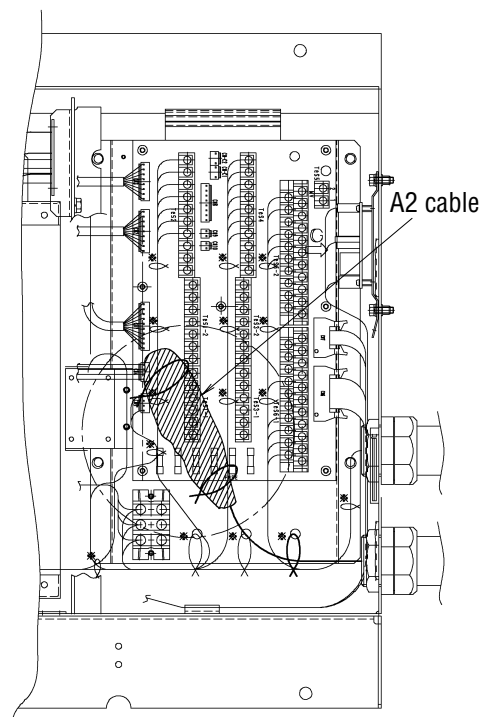
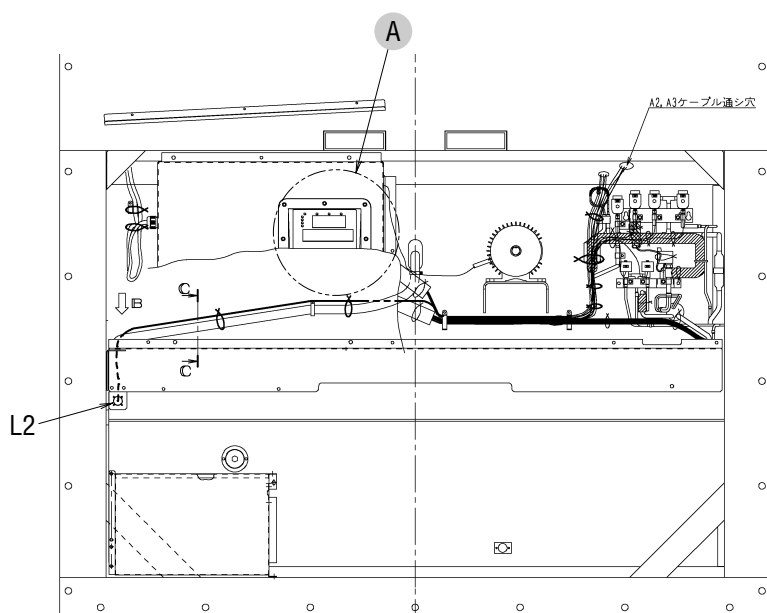
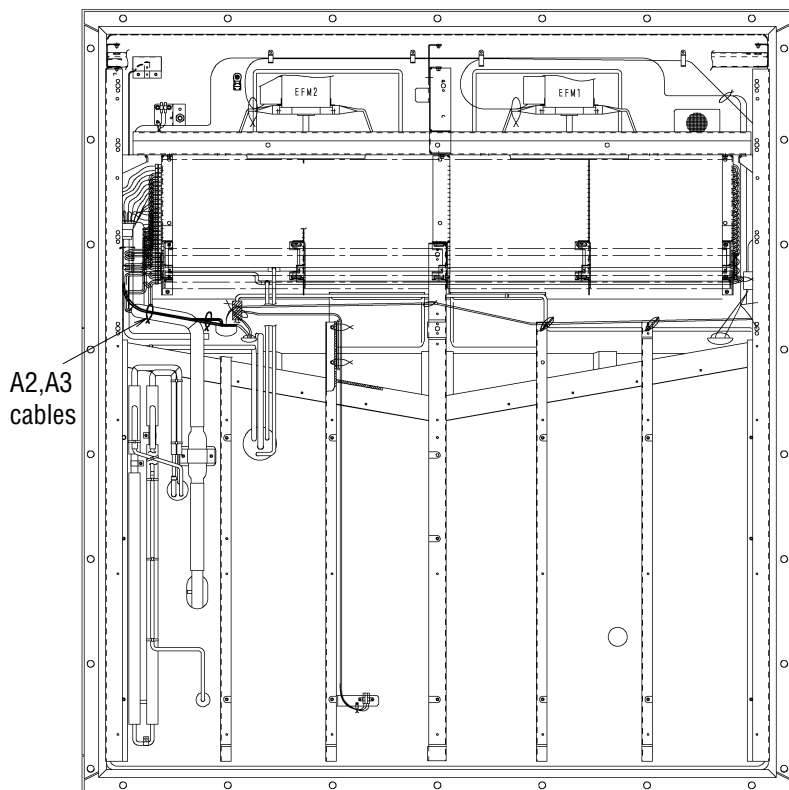
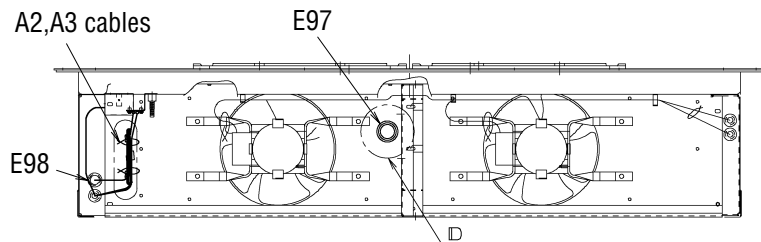
2. Evaporator coil

2. 蒸発器コイル組立品



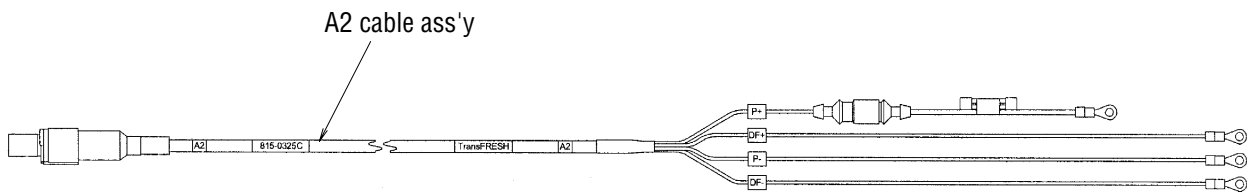
| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|-----------------------|---------------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| K1 | | 1605299 | Inside fan cover | 庫内ファンカバー (P & O) | 3P150480-1 | | 2 | 2 | |
| K2 | | 1605484 | Fixture | 固定具 (網・中央) | 4P150653-1 | | 1 | 1 | |
| K3 | | 1605307 | Inside fan cover stay | 庫内ファンカバーステー (P & O) | 3P150525-1 | | 1 | 1 | |
| K4 | | 1381500 | Fixture | 固定具 (網/左) | 3P098695-1 | | 1 | 1 | |
| K5 | | 1381517 | Fixture | 固定具 (網/右) | 3P098695-2 | | 1 | 1 | |
| K6 | | 1380691 | Evaporator ass'y | 蒸発器組立品 | 2P071832-1 | | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Parts related with option 4 – TRANS – FLESH
 オプション関連部品 4 – トランス・フレッシュ

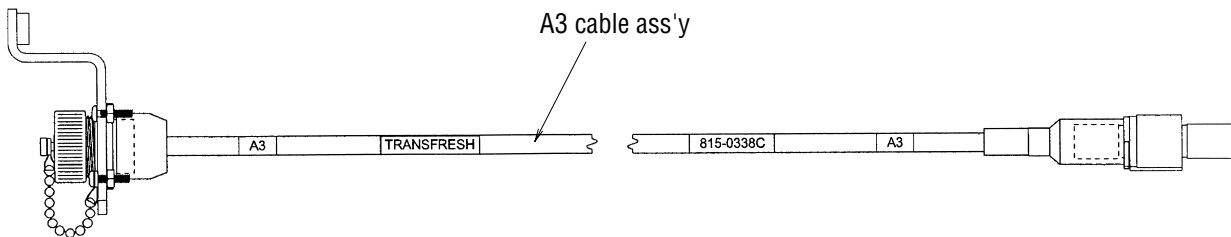


A内部詳細 (Detail of inside A)

| NO. 符号 | INDEX | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG. NO. 図面番号 | TYPE SPECIFICATION 形式 仕様 | QTY/UNIT | | REMARKS 備考 |
|-----------|-------|-------------------|-------------------------|---------------------|------------------|-----------------------------|----------|------|---------------|
| | | | | | | | LXE10E- | | |
| | | | | | | | A27A | A27B | |
| L1 | | 1584347 | A2 cable ass'y | A 2ケーブル組立品+防水キャップ | 3P145289-1 | | 1 | 1 | |
| L2 | | 1584354 | A3 cable ass'y | A 3ケーブル組立品+防水キャップ仕様 | 3P145293-1 | | 1 | 1 | |
| E97 | | 1584277 | Rubber bush | ゴムブッシュ (膜付グロメット) | 4P145364-1 | | 1 | 1 | |
| E98 | | 1267356 | Rubber bush | ゴムブッシュ | R3713279-4 | | 1 | 1 | |
| A38 | | 1584152 | Single purge port ass'y | シングルバージポート組立品 | 3P039625-1 | | 1 | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



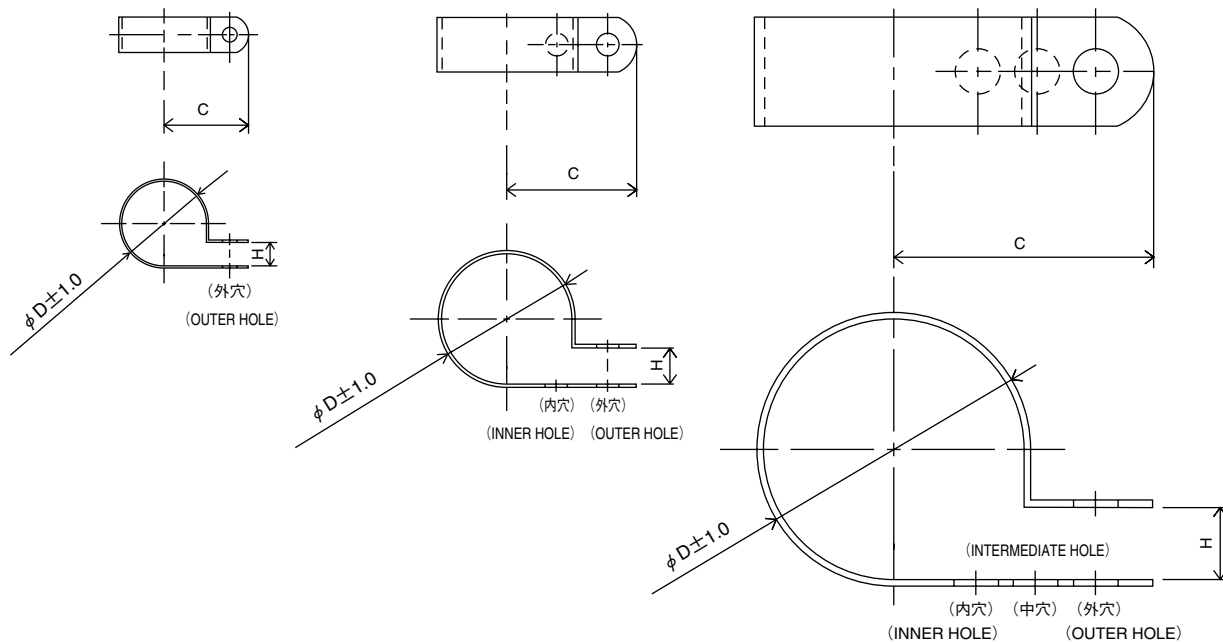
L1詳細 (L1 detail)



L2詳細 (L2 detail)

1. Resin clamp

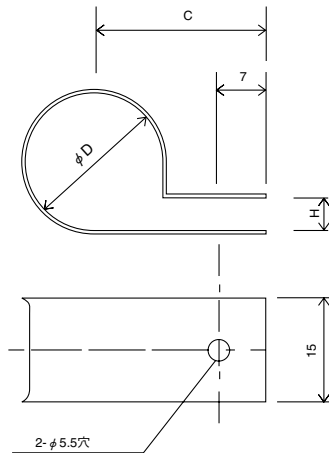
1. 樹脂バンド



| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | SIZE サイズ | | | QTY 使用個数 |
|-----------|-------------------|-------------|-------|-----------------|-------------|------|-----|-------------|
| | | | | | D | C | H | |
| E10 | 1222764 | Resin clamp | 樹脂バンド | NE41015-9 | 26.9 | 27.8 | 7.9 | 1 |
| E11 | 0944528 | Resin clamp | 樹脂バンド | NE41015-7 | 19.8 | 24.6 | 7.9 | 2 |
| E12 | 0142492 | Resin clamp | 樹脂バンド | NE41015-10 | 29.2 | 29.4 | 7.9 | 2 |
| E13 | 1266788 | Resin clamp | 樹脂バンド | NE41015-12 | 39.4 | 34.2 | 9.5 | 4 |

2. Tube clamp

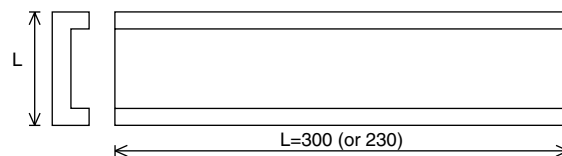
2. 管止金



| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | SIZE サイズ | | | QTY 使用個数 |
|-----------|-------------------|---------------------------|----------------|-----------------|----------|----|---|-------------|
| | | | | | D | C | H | |
| E6 | 1270439 | Tube clamp | 管止金 | NE31016-61 | 30 | 30 | 5 | 2 |
| E15 | 0782775 | Tube clamp | 管止金 | NE31016-51 | 10 | 20 | 3 | 5 |
| E16 | 1584215 | Tube clamp, Nylon Coating | 管止金、ナイロンコーティング | 4P143802-51 | 10 | 20 | 3 | 2 |
| E17 | 1584208 | Tube clamp, Nylon Coating | 管止金、ナイロンコーティング | 4P143802-52 | 12 | 21 | 3 | 1 |
| E19 | 1584222 | Tube clamp, Nylon Coating | 管止金、ナイロンコーティング | 4P143802-54 | 16 | 23 | 4 | 1 |
| E21 | 0016290 | Tube clamp | 管止金 | NE31016-56 | 20 | 25 | 5 | 1 |
| E22 | 1584239 | Tube clamp, Nylon Coating | 管止金、ナイロンコーティング | 4P143802-71 | 6.4 | 20 | 1 | 4 |
| E27 | 1266858 | Tube clamp | 管止金 | NE31016-59 | 26 | 28 | 5 | 1 |
| E29 | 1584246 | Tube clamp, Nylon Coating | 管止金、ナイロンコーティング | 4P143802-59 | 26 | 28 | 5 | 1 |

3. Cushion rubber for pipe clamp

3. 管止金用緩衝ゴム



SIZE L :
NE41013-3 L=22
NE41013-4 L=42

| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | QTY 使用個数 | REMARKS 備考 |
|-----------|-------------------|----------------|----------|-----------------|-------------|--|
| E35 | 1584253 | Cushion rubber | 管止金用緩衝ゴム | NE41013-3-300 | 1 | Cut to suit pipe size. 配管サイズに合わせて切って使用のこと |

1. Parts recommended to be ordered together with packing, gasket, sealing material and name plate
 1. 発注の際にパッキングやシール材、銘板等の同時発注を推奨する部品

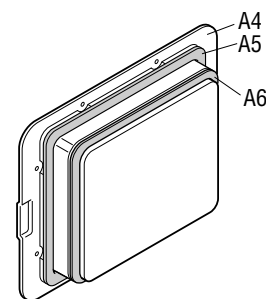
For ordering following spare parts, we recommend that you order the following packing, gasket, sealing material and name plate together at the same time.

上記のサービス扉やボックスカバーを発注の際には、下記のパッキングを同時に発注することをおすすめします。

(1) Service door

(1) サービス扉

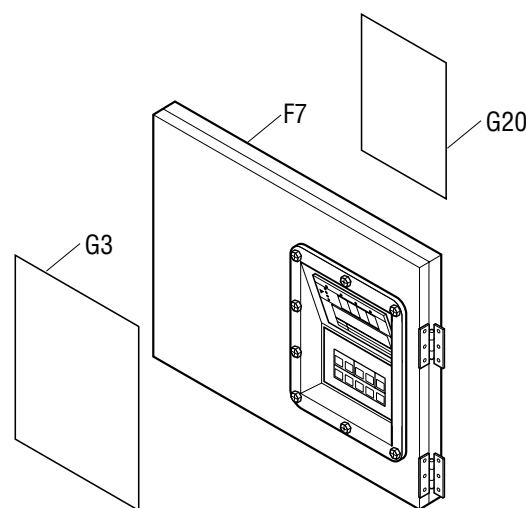
| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | REMARKS 備考 |
|-----------|-------------------|--------------------|----------|-----------------|---|
| A4 | 1612576 | Access panel ass'y | サービス扉組立品 | 1P006678-5 | (Without cushion and sealing material) (クッション材、シール材なし) |
| A5 | 1266207 | Cushion material | クッション材 | 3P033608-1 | |
| A6 | 1196113 | Sealing material | シール材 | 3P001640-2 | |



(2) Control box cover

(2) コントロールボックスカバー

| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 |
|-----------|-------------------|----------------------------|-----------------|-----------------|
| F7 | 1600636 | Control box cover ass'y | コントロールボックスフタ組立品 | 2P147871-6 |
| G3 | 1557042 | Name plate, operation | 操作銘板 | 1P136900-1 |
| G20 | 1584309 | Name plate, wiring diagram | 電気配線図銘板 | 2D047172-1 |



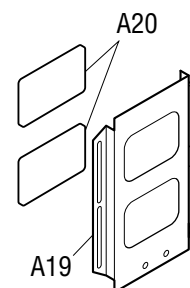
※Rubber gasket, sheet key is attached to control box cover ass'y.

※ゴムガスケットとシートキーはコントロールボックス組立品に付属しています。

(4) Ventilation cover

(4) 換気口蓋

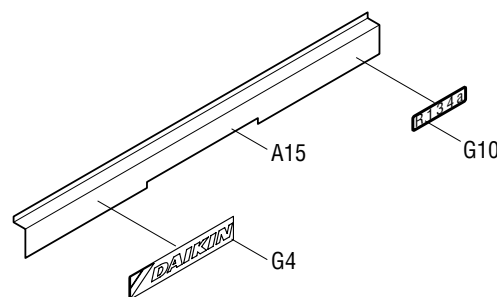
| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME 部品名称 | DWG NO. 図面番号 | REMARKS 備考 |
|-----------|-------------------|---|-----------------|--------------------|
| A19 | 1266120 | Ventilation cover 換気口蓋 | 3P067053-1 | |
| A20 | 1266221 | Sealing material (access panel) シール材 (換気口) | 4P016185-1 | Required 2 pcs. |



(5) Front plate (CA)

(5) 前板 (CA)

| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME 部品名称 | DWG NO. 図面番号 |
|-----------|-------------------|------------------------------------|-----------------|
| A15 | 1270338 | Front plate (CA) 前板 (CA) | 2P061345-1 |
| G4 | 1306530 | Name plate, brand name 意匠銘板 | 4P085985-1 |
| G10 | 1178843 | Name plate, refrigerant 冷媒銘板 | 3P009750-1 |



2. Order for motorized valve, solenoid valve and pressure regulating valve

2. 電動弁・電磁弁・圧力調整弁の発注

Refer to the following table for the name, main body, solenoid coil and ass'y of solenoid valves etc. applied to this model.

この機種に使用されている電磁弁等の名称と本体・コイル・組立品は下記のとおりです。

| | Body/Coil 本体/コイル | NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | Common Parts 共通部品 | | |
|--------|---------------------|-----------|-------------------|--|-------------------|-----------------|----------------------|------------|---------------|
| | | | | | | | NEV-803DXF | NEV-202DXF | NEV-MOAB507C1 |
| 1.EV | 本体 Body | B7-3 | 1256495 | Electronic expansion valve body | 電子膨張弁本体 | 2SA50010-2-KU | | | |
| | コイル Coil | B20 | 1381430 | Electronic expansion valve coil | 電子膨張弁コイル | 2P010454-2 | | | |
| 2.HSV | 本体 Body | B7-4 | 0944566 | Hot gas solenoid valve body | ホットガス電磁弁本体 | R3305118-1 | ○ | | |
| | コイル Coil | B7-5 | 1266290 | Hot gas solenoid valve coil | ホットガス電磁弁コイル | 3P010453-2 | | | ○ |
| 3.DSV | 本体 Body | B7-4 | 0944566 | Defrost bypass solenoid valve body | デフロストバイパス電磁弁本体 | R3305118-1 | ○ | | |
| | コイル Coil | B7-5 | 1266290 | Defrost bypass solenoid valve coil | デフロストバイパス電磁弁コイル | 3P010453-2 | | | ○ |
| 4.BSV | 本体 Body | B7-4 | 0944566 | Gas bypass solenoid valve body | ガスバイパス電磁弁本体 | R3305118-1 | ○ | | |
| | コイル Coil | B7-5 | 1266290 | Gas bypass solenoid valve coil | ガスバイパス電磁弁コイル | 3P010453-2 | | | ○ |
| 5.RSV | 本体 Body | B7-4 | 0944566 | Reheat coil bypass solenoid valve body | レヒートコイルバイパス電磁弁本体 | R3305118-1 | ○ | | |
| | コイル Coil | B7-5 | 1266290 | Reheat coil bypass solenoid valve coil | レヒートコイルバイパス電磁弁コイル | 3P010453-2 | | | ○ |
| 6.EV | 本体 Body | B7-6 | 0088738 | Economizer solenoid valve body | エコノマイザー電磁弁本体 | R3305099-1-KI | | ○ | |
| | コイル Coil | B7-5 | 1266290 | Economizer solenoid valve coil | エコノマイザー電磁弁コイル | 3P010453-2 | | | ○ |
| 7.ISV | 本体 Body | B7-6 | 0088738 | Injection solenoid valve body | インジェクション電磁弁本体 | R3305099-1-KI | | ○ | |
| | コイル Coil | B7-5 | 1266290 | Injection solenoid valve coil | インジェクション電磁弁コイル | 3P010453-2 | | | ○ |
| 8.LSV | 本体 Body | B4-5 | 0944566 | Liquid solenoid valve body | 液電磁弁本体 | R3305118-1 | ○ | | |
| | コイル Coil | B4-6 | 0955287 | Liquid solenoid valve coil | 液電磁弁コイル | 3P010453-1 | | | ○ |
| 9.SMV | 組立品 Ass'y | B8-1 | 1254538 | Suction modulating Valve | 吸入比例弁組立品 | 2P078385-1 | | | Note 1 注 1 |
| 10.DPR | 組立品 Ass'y | B3-4 | 1241361 | Discharge pressure regulating valve | 吐出圧力調整弁 | 3P074558-1 | | | |

Note 1 : Refer Page 26, 27 and 28 for detail parts of suction modulating valve.

注 1 : SMV (吸入比例弁) の詳細部品はP.26、27、28を参照ください。

Note 2 : Difference of solenoid valve No.1266290 and 0955287.

No.1266290 (3P010453-2) : Lead wire length 1550mm

No.0955287 (3P010453-1) : Lead wire length 2000mm

注 2 : 電磁弁No.1266290とNo.0955287の違い。

No.1266290 (3P010453-2) : リード線長さ1550mm

No.0955287 (3P010453-1) : リード線長さ2000mm

3. Order for pressure trasducer

3. 圧力センサーの発注

Refer to the following table for the pressure transducer applied to this model.

For ordering pressure transducer, we recommend that you order the following best shrinkable tube together at the same time.

この機種に使用している圧力センサーは下記の通りです。

圧力センサー発注の際は、下記の熱収縮チューブを同時に発注することをおすすめします。

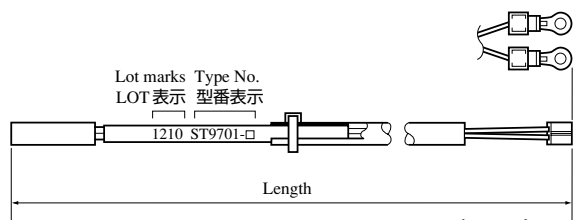
| 呼称名 | NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | TYPE 形式 | REMARKS 備考 |
|-----|--------|----------------|--------------------------|--------------|--------------|---------|---|
| HPT | B16 | 1600559 | High pressure transducer | 高圧圧力センサ | 3P141602-1 | SPCH01 | |
| LPT | B15 | 1600542 | Low pressure transducer | 低圧圧力センサ | 3P141601-1 | SPCH02 | |
| | E84 | 1605509 | Heat shrinkable tube | 圧力センサ熱収縮チューブ | 4P151322-1 | SPCL02 | Must be applied when replacing above sensors. 上記圧力センサー交換時使用の事。 |

4. Order for temperature sensor

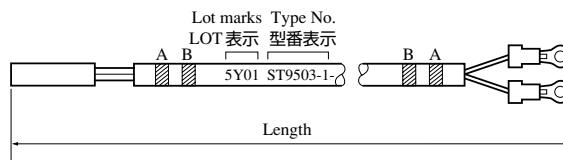
4. 温度センサーの発注

Refer to the following table for temperature sensors applied to this model.

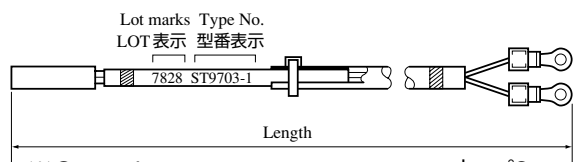
この機種に使用されている温度センサーは下記の通りです。



※Operating temp. range -30~+150°C
 使用温度範囲 -30~+150°C



※Operating temp. range -30~+70°C
 使用温度範囲 -30~+70°C



※Operating temp. range -30~+15°C
 使用温度範囲 -30~+15°C

※1 Location 取付場所

Indoor A : Indoor supply air side

Indoor B : Indoor return air side

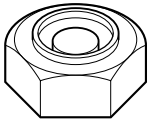
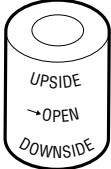
庫内A : 庫内吹出空気側

庫内B : 庫内吸込空気側

| 呼称 | NO. 符号 | PARTS NO. 部品番号 | PARTS NAME 部品名称 | DWG. NO. 図番 | TYPE 形式 | WIRE COLOR 配線色 | | LENGTH 全長mm | ※1 LOCATION 取付場所 | TEMPORALY EXCHANGABILITY 緊急時互換性 |
|---------|--------|----------------|---------------------------------------|-------------|-----------|----------------|------------|-------------|----------------------|---------------------------------|
| | | | | | | A | B | | | |
| 1. SS | C24 | 1375310 | Supply air temp. sensor | 3PA61769-11 | ST9503-11 | green 緑 | - - | 4700 | Indoor A 庫内A | ○ |
| 2. DSS | C25 | 1375327 | Data recorder supply air temp. sensor | 3PA61769-12 | ST9503-12 | green 緑 | Red 赤 | 4700 | Indoor A 庫内A | ○ |
| 3. RS | C26 | 1375334 | Return air temp. sensor | 3PA61769-13 | ST9503-13 | Blue 青 | - - | 6700 | Indoor B 庫内B | ○ |
| 4. DRS | C27 | 1375341 | Data recorder return air temp. sensor | 3PA61769-14 | ST9503-14 | Blue 青 | Red 赤 | 6700 | Indoor B 庫内B | ○ |
| 5. EIS | D4 | 1562828 | Evaporator inlet temp. sensor | 3P012118-2 | ST9703-2 | - - | Black 黒 | 2500 | Indoor EVP. 庫内蒸発器 | |
| 6. EOS | D5 | 1562835 | Evaporator outlet temp. sensor | 3PA61769-15 | ST9503-15 | Yellow 黄 | - - | 2600 | Indoor EVP. 庫内蒸発器 | ○ |
| 7. DCHS | B11 | 0983321 | Discharge pipe temp. sensor | 3SA48009-10 | ST9701-10 | - | - | 2800 | Outdoor 庫外 | |
| 8. AMBS | B12 | 0798321 | Ambient air temp. sensor | 3PA61769-6 | ST9503-6 | - - | - - | 3200 | Outdoor 庫外 | ○ |
| 9. SGS | B13 | 0983338 | Compressor suction gas temp. sensor | 3PA61769-9 | ST9503-9 | White 白 | - - | 3200 | Outdoor 庫外 | ○ |

1. Tools for emergency operation

1. 緊急運転用工具

| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | DWG NO. 図面番号 | USE 用途 | ILLUSTRATION 姿図 |
|-----------|-------------------|--------------------|---------------------|-----------------|--|---|
| - | 1080263 | Emergency coil cap | エマージェンシー コイルキャップ | 3P017370-1 | For electronic expansion valve 電子膨張弁用 |  |
| - | 1270530 | Emergency magnet | エマージェンシー マグネット | 2P078385-2 | Suction modulating valve 吸入比例弁用 |  |

(See Service Manual for application.)

(使用方法はサービスマニュアルを参照ください。)

2. Personal computer cable (for DCCS)

2. パソコンケーブル（DCCS用）

The following parts are connector cables required to exchange information between the refrigeration unit and personal computer. The table below describes parts required to apply to Model LXE-C, -D, and -E new model.

下記の部品は冷凍ユニットとパソコンの情報交換に必要なコネクタ、ケーブル類です。LXE-C型、D型、及び新機種E型対応に必要な部品を掲載しています。

[TYPE A]タイプA

| | | |
|--|-------------------------------------|--|
| LXE10C LXE10CA LXE10D for MOL | LXE10C LXE10CA MOL用LXE10D | |
| (Receptacle) RS232C (Female) on the controller | (レセプタクル) RS232C (メス) コントローラー側 | |

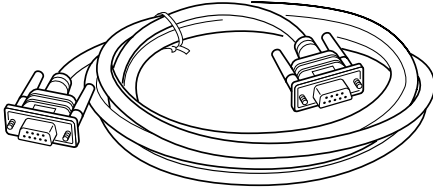
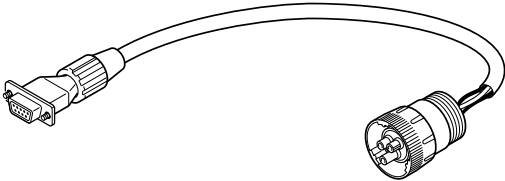
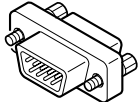
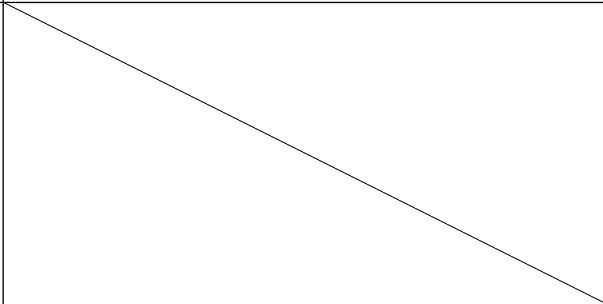
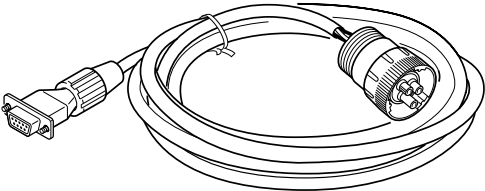
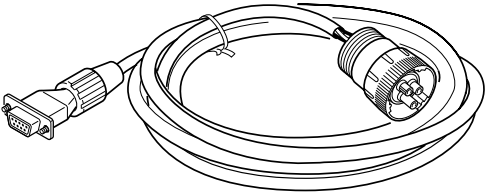
[TYPE B]タイプB

| | | |
|---|---------------------------------|--|
| LXE10D LXE10E | LXE10D LXE10E | |
| (Receptacle) Water proof type on the unit | (レセプタクル) コンテナ冷凍機 ユニットの防水型 | |

(1) Parts No.

(1) 部品番号

| NO. 符号 | PARTS NO. 部品番号 | PARTS NAME | 部品名称 | REMARKS 備考 |
|-----------|---------------------|-----------------------------|------------------------|---|
| ① | Local supply 市販品 | Connection cable (reverse) | 接続ケーブル (リバース) | RS232C reverse (cross) type RS232Cリバース (クロス) 型 |
| ② | 9993324 | Connection cable | 接続ケーブル | |
| ③ | Local supply 市販品 | Adapter (gender changer) | アダプター (ジェンダーチェンジャー) | D-sub 9P, Male-Male Dサブ9ピン、オス-オス |
| ④ | 1087149 | Connection cable (3 Pins) | 接続ケーブル (3ピン) | LXE10E-A Standard LXE10E-A標準 |
| ⑤ | 1384509 | Connection cable (5 Pins) | 接続ケーブル (5ピン) | For LXE10E-A14,A15 LXE10E-A14、A15用 |

| NO. 符号 | Illustration 姿図 | Internal Wiring 内部配線 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|---|---|-------|---|---|-------|---|---|---------|---|---|---|---|---|---------|---|---|---|---|---|---|---|---|---|---|-------|--|-------|------|--|------|
| ① |  | <p>RS232C Female RS232C Female</p> <p>メス メス</p> <table border="0"> <tr><td>1</td><td>↔</td><td>1</td></tr> <tr><td>2</td><td>↔</td><td>2</td></tr> <tr><td>3</td><td>↔</td><td>3</td></tr> <tr><td>4</td><td>↔</td><td>4</td></tr> <tr><td>5</td><td>↔</td><td>5</td></tr> <tr><td>6</td><td>↔</td><td>6</td></tr> <tr><td>7</td><td>↔</td><td>7</td></tr> <tr><td>8</td><td>↔</td><td>8</td></tr> <tr><td>Frame</td><td></td><td>Frame</td></tr> <tr><td>フレーム</td><td></td><td>フレーム</td></tr> </table> | 1 | ↔ | 1 | 2 | ↔ | 2 | 3 | ↔ | 3 | 4 | ↔ | 4 | 5 | ↔ | 5 | 6 | ↔ | 6 | 7 | ↔ | 7 | 8 | ↔ | 8 | Frame | | Frame | フレーム | | フレーム |
| 1 | ↔ | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | ↔ | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | ↔ | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | ↔ | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | ↔ | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | ↔ | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | ↔ | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | ↔ | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frame | | Frame | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| フレーム | | フレーム | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ② |  | <p>Daikin made RS232C Female</p> <p>ダイキン製 メス</p> <table border="0"> <tr><td>A</td><td>Red</td><td>1</td></tr> <tr><td>B</td><td>White</td><td>2</td></tr> <tr><td>C</td><td>Black</td><td>3</td></tr> <tr><td></td><td></td><td>4</td></tr> <tr><td></td><td></td><td>5</td></tr> <tr><td></td><td></td><td>6</td></tr> <tr><td></td><td></td><td>7</td></tr> <tr><td></td><td></td><td>8</td></tr> <tr><td></td><td></td><td>9</td></tr> </table> | A | Red | 1 | B | White | 2 | C | Black | 3 | | | 4 | | | 5 | | | 6 | | | 7 | | | 8 | | | 9 | | | |
| A | Red | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | White | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | Black | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ③ |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ④ |  | <p>Daikin made RS232C Female</p> <p>ダイキン製 メス</p> <table border="0"> <tr><td>A</td><td>Red 赤</td><td>1</td></tr> <tr><td>B</td><td></td><td>2</td></tr> <tr><td>C</td><td>White 白</td><td>3</td></tr> <tr><td></td><td></td><td>4</td></tr> <tr><td></td><td>Black 黒</td><td>5</td></tr> <tr><td></td><td></td><td>6</td></tr> <tr><td></td><td></td><td>7</td></tr> <tr><td></td><td></td><td>8</td></tr> <tr><td></td><td></td><td>Frame</td></tr> <tr><td></td><td></td><td>フレーム</td></tr> </table> | A | Red 赤 | 1 | B | | 2 | C | White 白 | 3 | | | 4 | | Black 黒 | 5 | | | 6 | | | 7 | | | 8 | | | Frame | | | フレーム |
| A | Red 赤 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | White 白 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Black 黒 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Frame | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | フレーム | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⑤ |  | <p>Daikin made RS232C Female</p> <p>ダイキン製 メス</p> <table border="0"> <tr><td>A</td><td>Red 赤</td><td>1</td></tr> <tr><td>B</td><td></td><td>2</td></tr> <tr><td>C</td><td>White 白</td><td>3</td></tr> <tr><td>D</td><td></td><td>4</td></tr> <tr><td>E</td><td>Black 黒</td><td>5</td></tr> <tr><td></td><td></td><td>6</td></tr> <tr><td></td><td></td><td>7</td></tr> <tr><td></td><td></td><td>8</td></tr> <tr><td></td><td></td><td>Frame</td></tr> <tr><td></td><td></td><td>フレーム</td></tr> </table> | A | Red 赤 | 1 | B | | 2 | C | White 白 | 3 | D | | 4 | E | Black 黒 | 5 | | | 6 | | | 7 | | | 8 | | | Frame | | | フレーム |
| A | Red 赤 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | White 白 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | Black 黒 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Frame | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | フレーム | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MEMO

DAIKIN INDUSTRIES, LTD.

Head Office. Umeda Center Bldg., 4-12, Nakazaki-Nishi 2-chome, Kita-ku, Osaka, 530-8323 Japan.

Tel: 06-6373-4338

Fax: 06-6373-7297

Tokyo Office. JR Shinagawa East Bldg., 10F 18-1, Konan 2-chome, Minato-ku Tokyo, 108-0075 Japan.

Tel: 03-6716-0420

Fax: 03-6716-0230