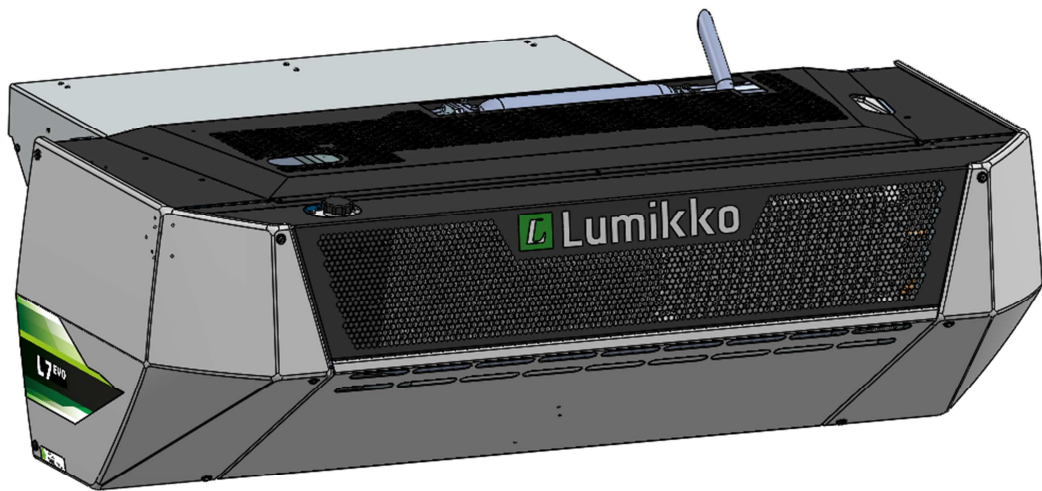


VARAOSAKIRJA

SPARE PART BOOK

# L7EVO



# L7EVO

## VARAOSAKIRJA SPARE PART BOOK

### LUMIKKO – LÄMPÖTILANSÄÄTÖLAITE LUMIKKO – TEMPERATURE CONTROL UNIT

# L7EVO

### Alkuperäinen/Original (FIN/ENG)

|                                        |                                                              |
|----------------------------------------|--------------------------------------------------------------|
| <b>Tuotekoodi / Product code (ERP)</b> | xxx (Tähän NOVAn tuotekoodi ao. laitteelle, ei dokumentille) |
|----------------------------------------|--------------------------------------------------------------|

|                           | <b>Nimi / name</b> | <b>Pvm / date</b> |
|---------------------------|--------------------|-------------------|
| <b>Laatija / writer</b>   | XXX                | xx.xx.20xx        |
| <b>Revisio / revision</b> | 00                 | xx.xx.20xx        |

#### Revisio muutokset / Revision changes / Revisions ändringarna

| <b>Rev</b> | <b>Nimi / name</b> | <b>Pvm / date</b> | <b>Selitys / explanation</b> |
|------------|--------------------|-------------------|------------------------------|
| 01         | XXX                | xx.xx.20xx        |                              |
|            |                    |                   |                              |
|            |                    |                   |                              |
|            |                    |                   |                              |

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## L7EVO

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### YLEISTÄ

**Käytä vain alkuperäisiä Lumikko -lämpötilansäätölaitteen osia, jotta lämpötilansäätölaitteen luotettavuus ja laatu säilyvät.** Muiden kuin alkuperäisten osien asentaminen saattaa vahingoittaa lämpötilansäätölaitetta. Tällaisten osien käyttäminen lopettaa takuun, koska niitä ei ole testattu Lumikko Technologies Oy:n toimesta.

Tilaa aina varaosat Lumikko Technologies Oy:stä.



**Tutustu huoltopisteen huoltomanuaaliin ja lue annetut turvallisuusohjeet huolellisesti ennen huolto- ja korjaustoimenpiteiden suorittamista.**

### Tilausohjeet

Ennen kuin tilaat varaosia selvitä lämpötilansäätölaitteen runkoon kiinnitetystä tyyppikilvestä laitteen tyyppi, sarjanumero ja valmistumisaika sekä tilattavan osan tilausnumero.

---

### GENERAL

**To maintain reliability and quality of the temperature control unit, use only original Lumikko – spare parts.** Using other than original parts may damage the temperature control unit. Using other than original parts also voids the warranty, because they have not been tested by Lumikko Technologies Oy.

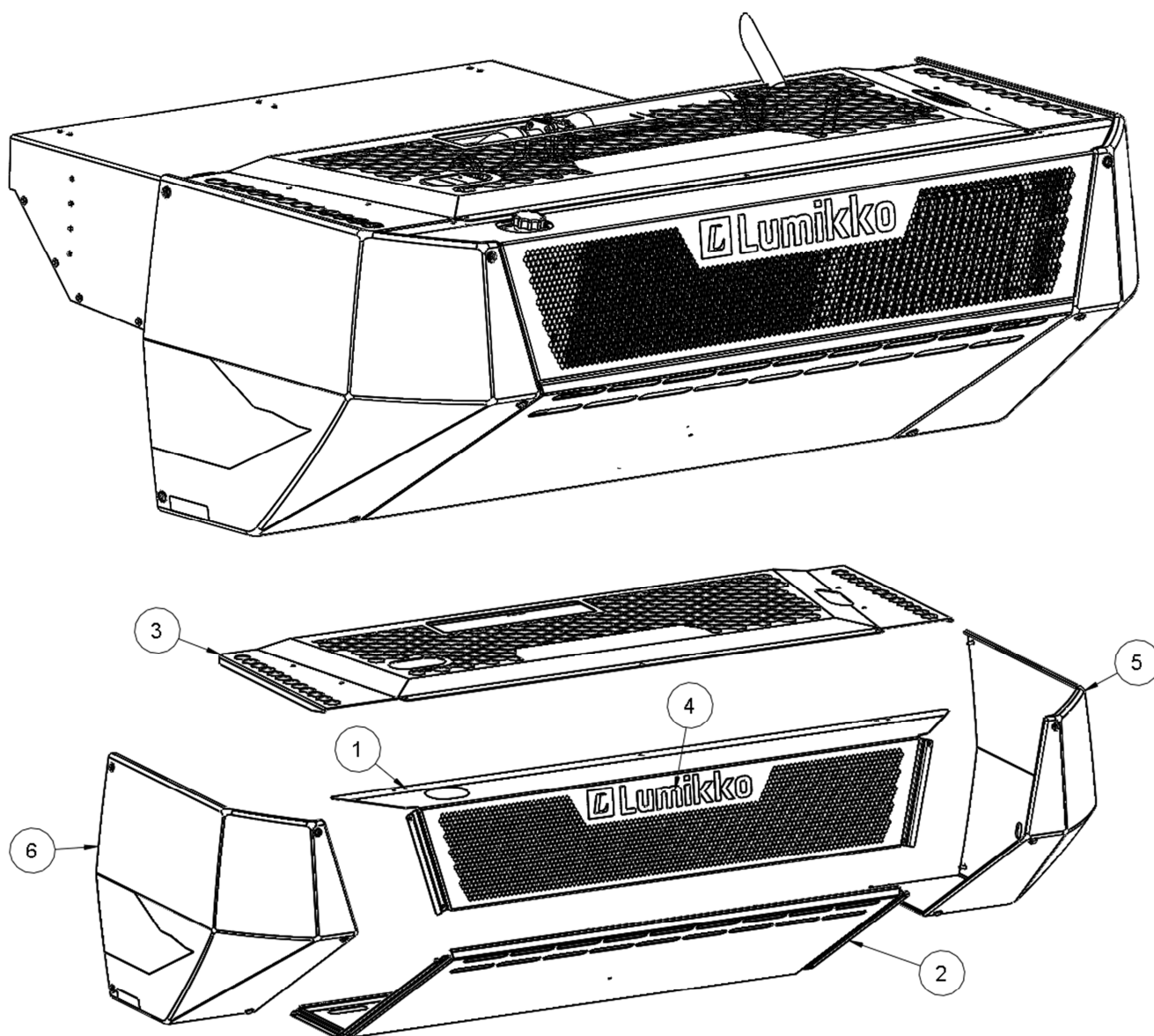
Always order spare parts from Lumikko Technologies Oy.



**Familiarize into the maintenance point's maintenance manual and read the given safety instructions before making any maintenance or reparation operation.**

### Order instructions

Before you order spare parts check from nameplate, fastened to temperature control unit frame, type, serial number and installation date and also ordered parts order number.

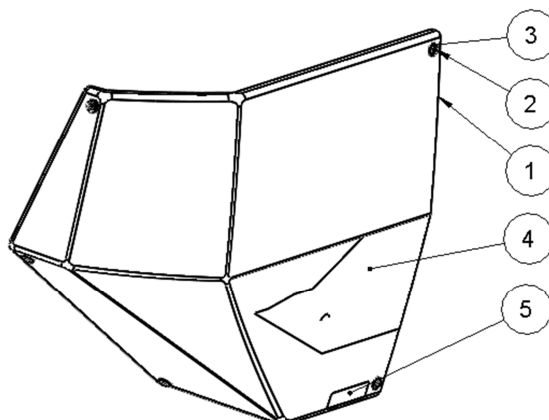
**KUORET (KP)**
**COVERS (ASSY)**

**200208817**

| ID | CODE      | SPARE PART CODE | KUVAUS      | DESCRIPTION   | QTY |
|----|-----------|-----------------|-------------|---------------|-----|
| 1  | 200209163 | 200209163       | Verkko      | Mesh          | 1   |
| 2  | 200209263 | 200209263       | Pohjakuori  | Bottom cover  | 1   |
| 3  | 200209332 | 200209332       | Konepelti   | Hood          | 1   |
| 4  | 200106127 | PR241030438     | Tarra, logo | Sticker, logo | 1   |
| 5  | 200301136 | 200301136       | Sivukuori   | Side cover    | 1   |
| 6  | 200301138 | 200301138       | Sivukuori   | Side cover    | 1   |

## L7EVO

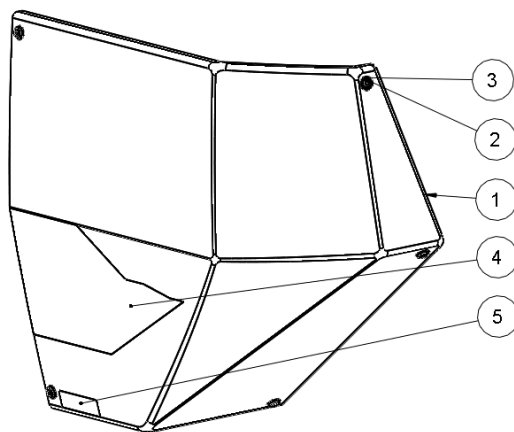
### SIVUKUORI

### SIDE COVER



### 200301136

| ID | CODE      | SPARE PART CODE | KUVAUS              | DESCRIPTION             | QTY |
|----|-----------|-----------------|---------------------|-------------------------|-----|
| 1  | 200209196 | 200209196       | Sivukuori           | Side cover              | 1   |
| 2  | 200112192 | 200112192       | Uraruuvi, kupukanta | Machine screw, pan head | 6   |
| 3  | 200106244 | BB1203          | Muoviolkki          | Plastic sleeve          | 6   |
| 4  | 200300594 | 225021031       | Tarra               | Sticker                 | 1   |
| 5  | 200300601 | 225021026       | Tarra               | Sticker                 | 1   |



### 200301138

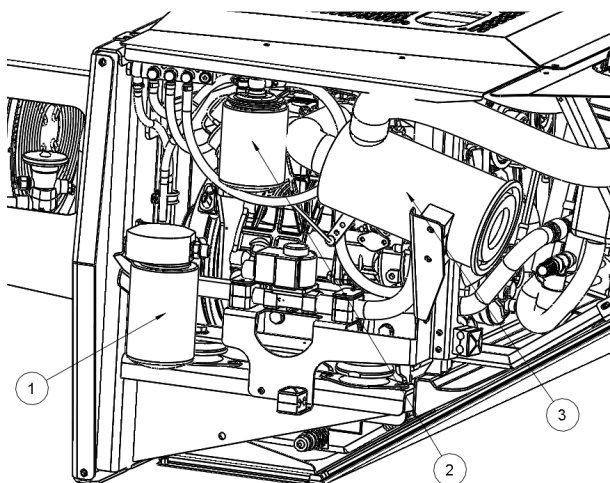
| ID | CODE      | SPARE PART CODE | KUVAUS              | DESCRIPTION             | QTY |
|----|-----------|-----------------|---------------------|-------------------------|-----|
| 1  | 200213901 | 200213901       | Sivukuori           | Side cover              | 1   |
| 2  | 200112192 |                 | Uraruuvi, kupukanta | Machine screw, pan head | 6   |
| 3  | 200106244 | BB1203          | Muoviolkki          | Plastic sleeve          | 6   |
| 4  | 200300593 | 225021031       | Tarra               | Sticker                 | 1   |
| 5  | 200300601 | 225021026       | Tarra               | Sticker                 | 1   |

**SUODATTIMET**

**FILTERS**

**MALLI KUBOTA**

**MODEL KUBOTA**



| ID | CODE      | SPARE PART CODE | KUVAUS               | DESCRIPTION | QTY |
|----|-----------|-----------------|----------------------|-------------|-----|
| 1  | 200106722 | LU1204          | Öljynsuodatin        | Oil filter  | 1   |
| 2  | 200106164 | LU107           | Polttoaineensuodatin | Fuel filter | 1   |
| 13 |           | LU905A          | Ilmansuodatin        | Air filter  | 1   |

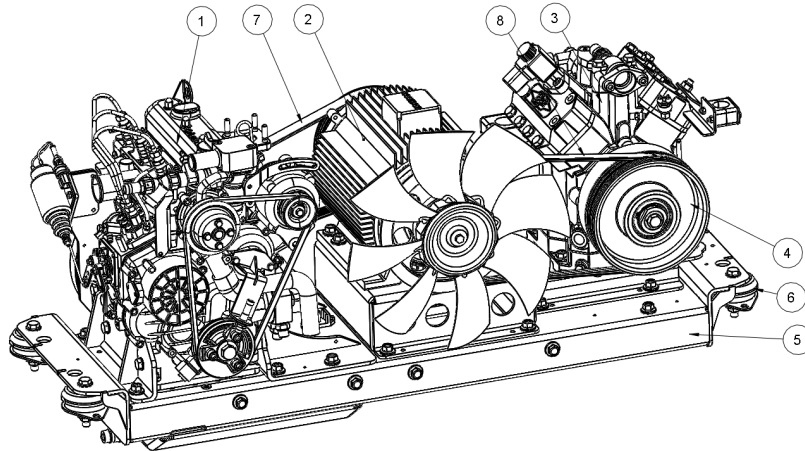
**MALLI YANMAR**

**MODEL YANMAR**

## L7EVO

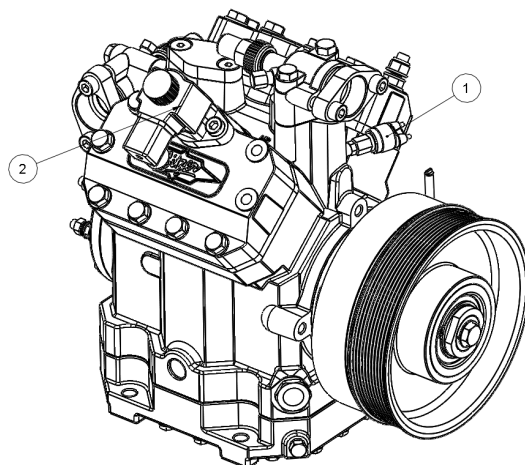
### KONEPETI

### MACHINE BASE

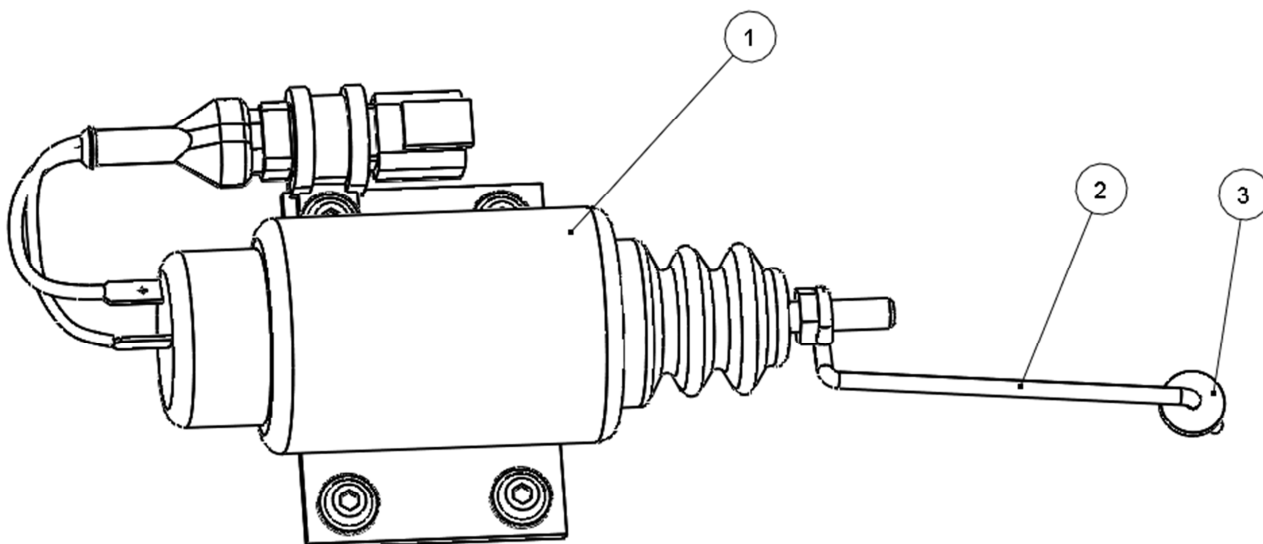


### 200107308

| ID | CODE      | SPARE PART CODE | KUVAUS                          | DESCRIPTION                          | QTY |
|----|-----------|-----------------|---------------------------------|--------------------------------------|-----|
| 1  | 200107293 | KU1105          | Dieselmoottori                  | Diesel engine                        | 1   |
| 2  | 200107294 | 80D291          | Sähkömoottori                   | Electric motor                       | 1   |
| 3  | 200107469 | 4NFTY           | Kompressori                     | Compressor                           | 1   |
| 4  | 200107637 | 461010014       | Magneettikytkin                 | Magnetic clutch                      | 1   |
| 5  | 200107325 | 80dfl153        | Konepeti                        | Machine bed                          | 1   |
| 6  | 200107286 | FRE10VR         | Tärinäerisitin,<br>kartiojalka  | Anti vibration damper,<br>cone mount | 4   |
| 7  | 200204089 | 200204089       | Moniurahihna,<br>venyvä 8PK1392 | Multi groove belt, stretch           | 1   |
| 8  | 200204090 | 200204090       | Moniurahihna,<br>venyvä 6PK1431 | Multi groove belt, stretch           | 1   |


**200107621**

| ID | CODE      | SPARE PART CODE | KUVAUS     | DESCRIPTION     | QTY |
|----|-----------|-----------------|------------|-----------------|-----|
| 1  | 200108605 | 361010019       | Painekytin | Pressure switch | 1   |
| 2  | 200105894 | 394010003       | Kela       | Coil            | 1   |

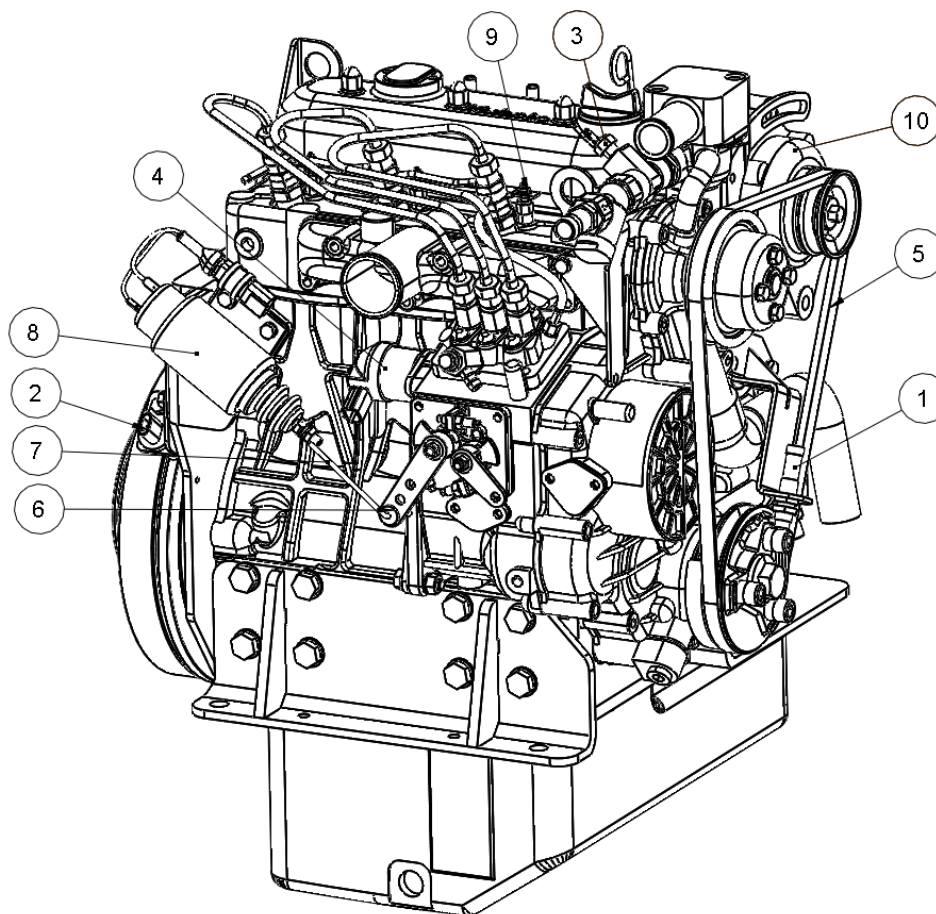


| ID | CODE      | SPARE PART CODE | KUVAUS          | DESCRIPTION   | QTY |
|----|-----------|-----------------|-----------------|---------------|-----|
| 1  | 200106042 | 479010001       | Solenoidi, kaas | Solenoid, gas | 1   |
| 2  |           | 200300509       | Teräslanka      | Steel wire    | 1   |
| 3  |           | 200300508       | Muoviosa        | Plastic part  | 1   |

## L7EVO

### DIESELMOOTTORI

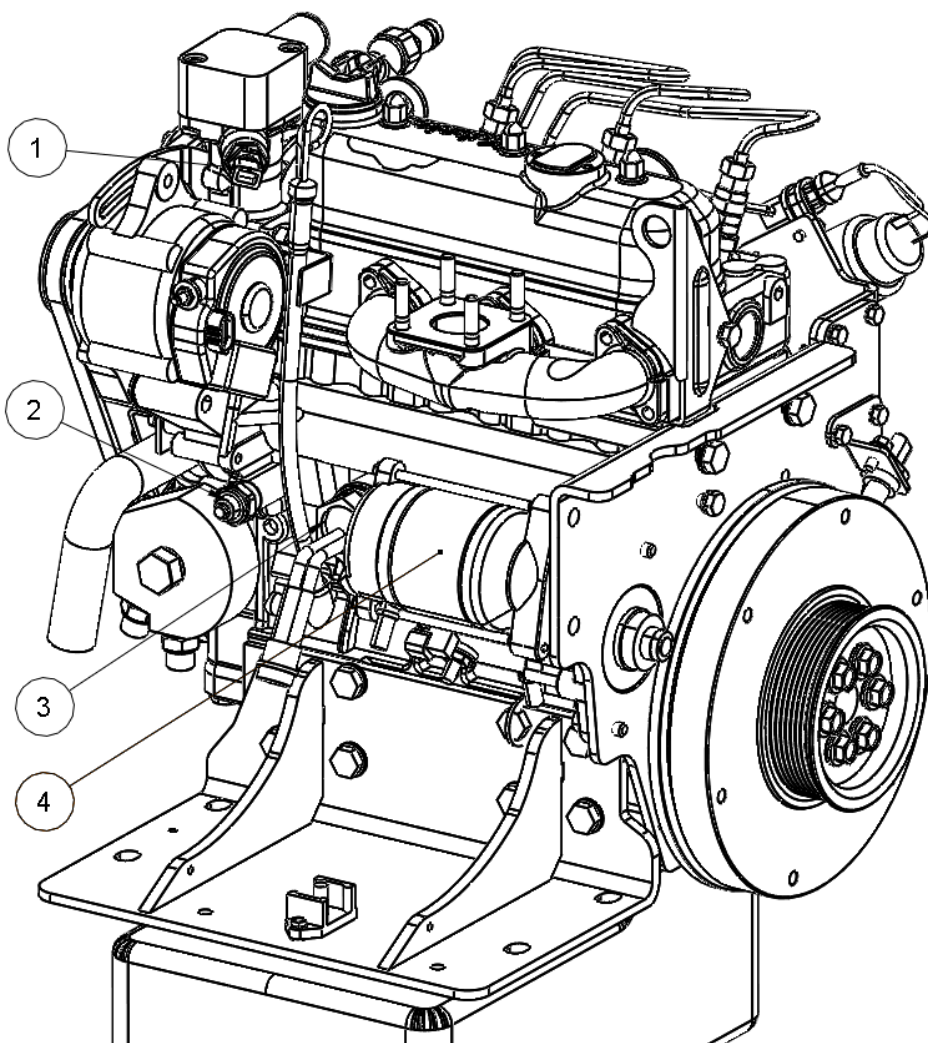
### DIESEL ENGINE



| ID | CODE      | SPARE PART CODE | KUVAUS            | DESCRIPTION        | QTY |
|----|-----------|-----------------|-------------------|--------------------|-----|
| 1  | 200106024 | 57020003        | Kierroslukuanturi | RPM sensor         | 1   |
| 2  | 200149548 |                 | Kierroslukuanturi | RPM sensor         | 1   |
| 3  | 200106309 | 478510004       | Lämpöanturi       | Temperature sensor | 1   |
| 4  |           | 478210001       | Stop solenoidi    | Stop solenoid      | 1   |
| 5  |           | AVX10X940       | Kiilahihna        | V-belt             | 1   |
| 6  | 200300508 |                 | Muoviosa          | Plastic part       | 1   |
| 7  | 200300509 |                 | Teräslanka        | Steel wire         | 1   |
| 8  | 200106843 | 479010001       | Solenoidi, kaas   | Solenoid, gas      | 1   |
| 9  |           | 478030071       | Hehkutulppa       | Glow plug          | 1   |
| 10 |           | 707001          | Laturi            | Alternator         | 1   |

**DIESELMOOTTORI**

Virhe. Kirjanmerkkiä ei ole määritetty.**DIESEL  
ENGINE**

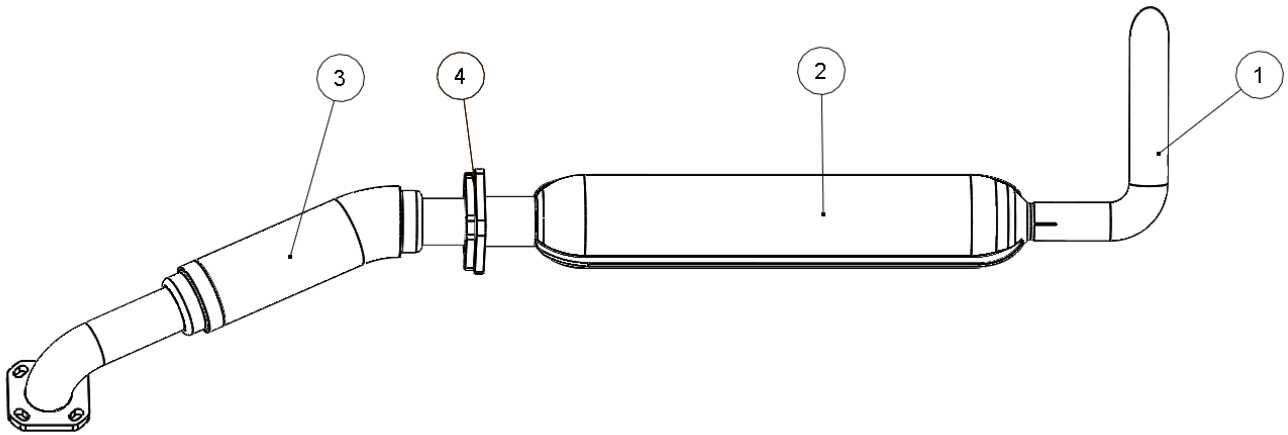


| ID | CODE      | SPARE PART CODE | KUVAUS            | DESCRIPTION         | QTY |
|----|-----------|-----------------|-------------------|---------------------|-----|
| 1  |           | LC2100          | Lämpötila-anturi  | Temperature sensor  | 1   |
| 2  |           | 478460001       | Öljynpainekeytkin | Oil pressure switch | 1   |
| 3  | 200106365 | RE223           | Lohkolämmitin     | Engine heater       | 1   |
| 4  |           | 478440004       | Starttimoottori   | Starter motor       | 1   |

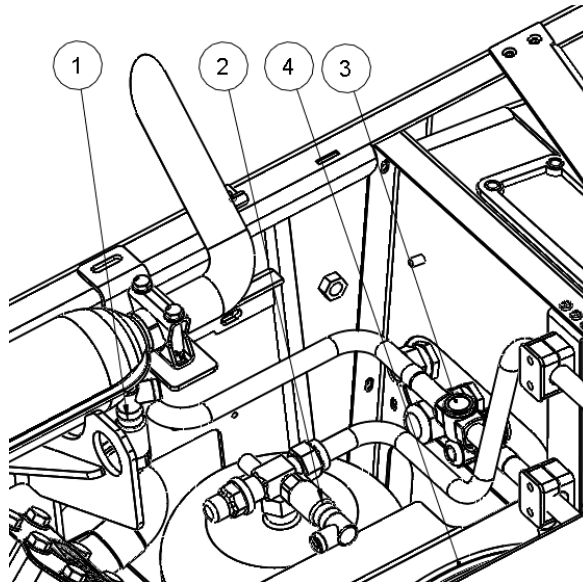
## L7EVO

### PAKOPUTKI

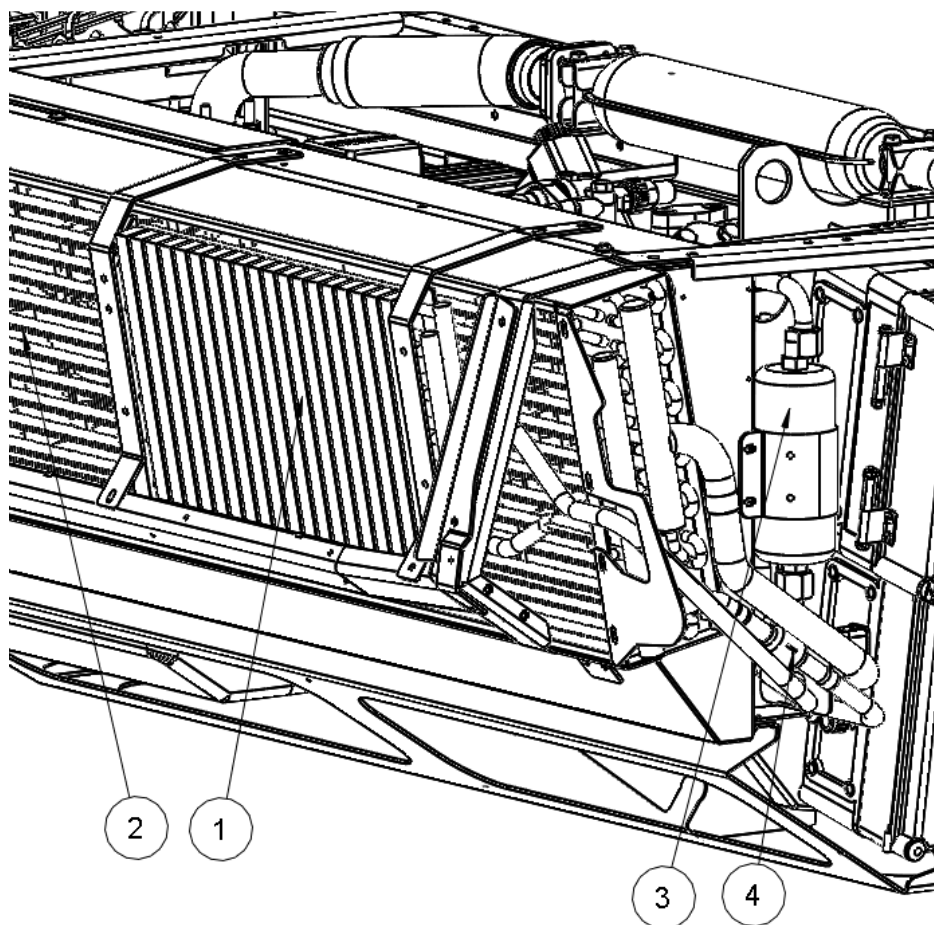
### EXHAUST TUBE



| ID | CODE      | SPARE PART CODE | KUVAUS         | DESCRIPTION | QTY |
|----|-----------|-----------------|----------------|-------------|-----|
| 1  | 200107600 | 60D249          | Loppukäyrä     | End piece   | 1   |
| 2  | 200106827 | 478650001       | Äänenvaimennin | Muffler     | 1   |
| 3  | 200107644 | 80df1194        | Alkuosa        | First part  | 1   |
| 4  | 200107221 | 478650017       | Tiiviste       | Gasket      | 1   |



| ID | CODE      | SPARE PART CODE | KUVAUS                                    | DESCRIPTION                       | QTY |
|----|-----------|-----------------|-------------------------------------------|-----------------------------------|-----|
| 1  | 200105939 | 361010040       | Painelähetin                              | Pressure transmitter              | 1   |
| 2  | 200105911 | 361010039       | Painelähetin                              | Pressure transmitter              | 1   |
| 3  | 200107201 | 392010003       | Nestelasi                                 | Sight glass                       | 1   |
| 4  | 200107137 | 451010010       | Puhallin, aksiaali Ø310, 230/400VAC, 510W | Fan, axial Ø310, 230/400VAC, 510W | 1   |

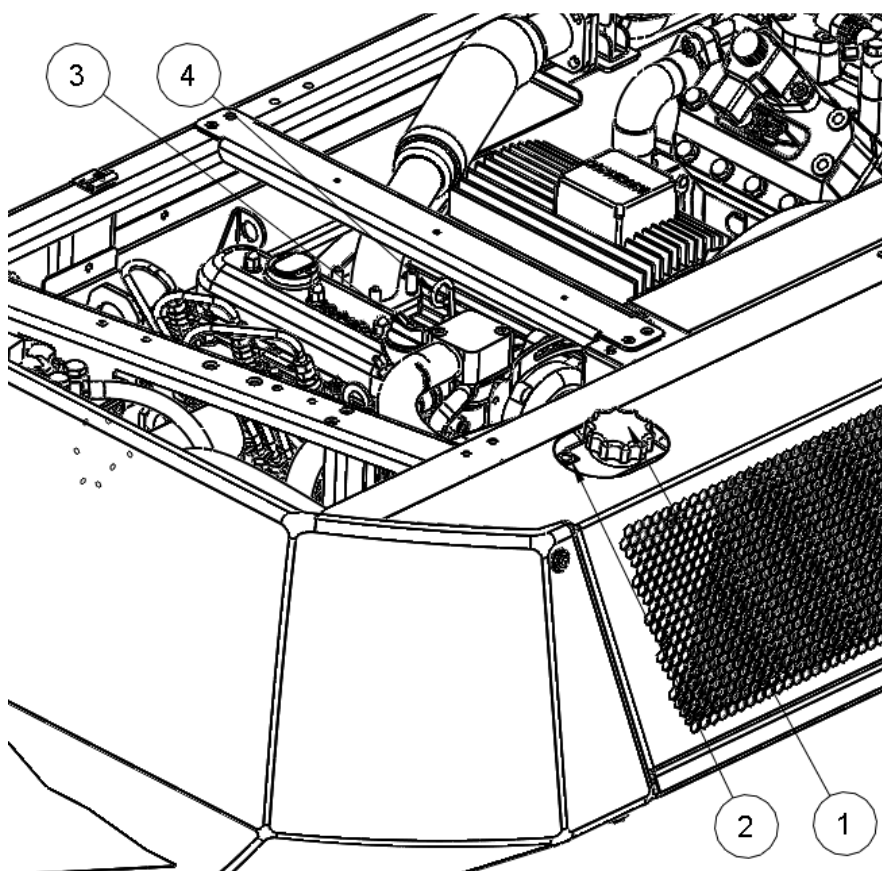
**LAUHDUTIN**
**CONDENSER**


| ID | CODE      | SPARE PART CODE | KUVAUS                           | DESCRIPTION                | QTY |
|----|-----------|-----------------|----------------------------------|----------------------------|-----|
| 1  | 200107243 | 90ds501         | Lisälauhdutin                    | Sub-cooler                 | 1   |
| 2  | 200107290 | 90ds500         | Lauhdutin                        | Condenser                  | 1   |
| 3  | 200107635 | 382010003       | Kuivain Danfoss, DML 304         | Drier Danfoss, DML 304     | 1   |
| 4  | 200107540 | DAN0201018      | Takaiskuventtiili Ø5/8", NRV 16S | Check valve Ø5/8", NRV 16S | 1   |

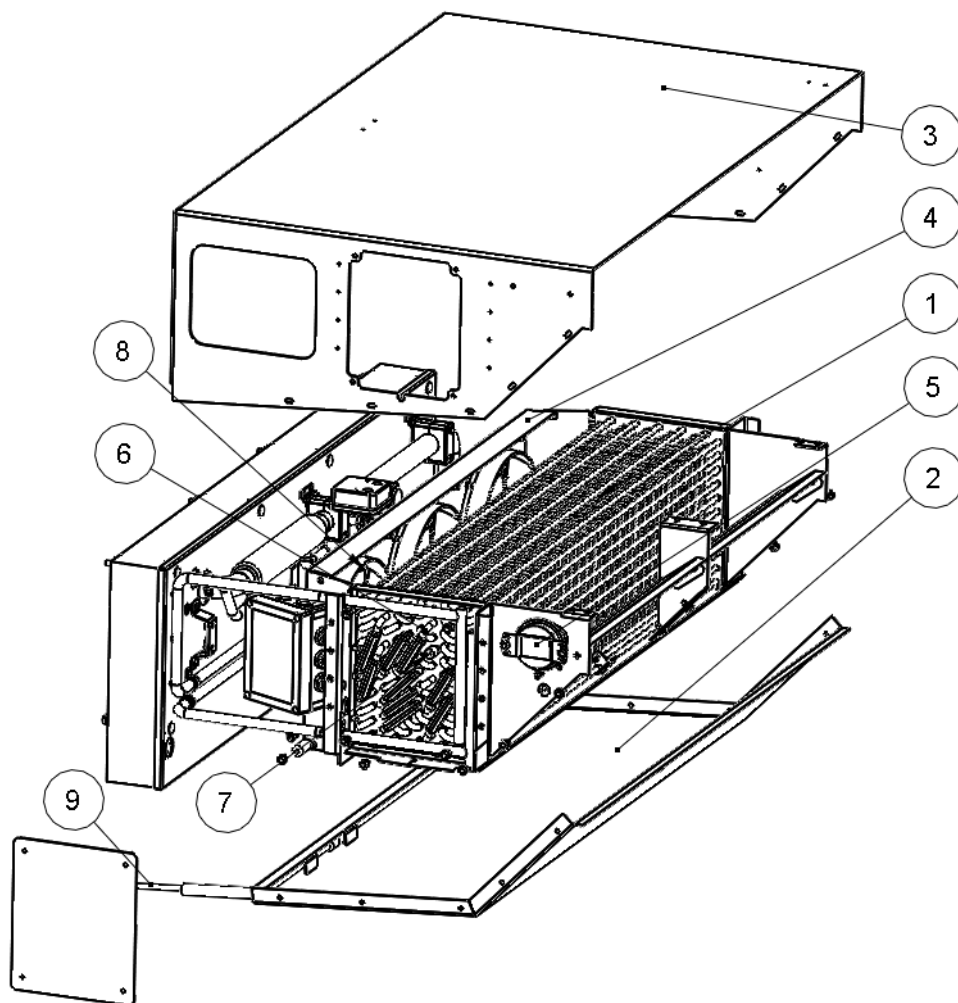
# L7EVO

DIESEL

DIESEL



| ID | CODE      | SPARE PART CODE | KUVAUS            | DESCRIPTION          | QTY |
|----|-----------|-----------------|-------------------|----------------------|-----|
| 1  |           | 4790101         | Korkki            | Cork                 | 1   |
| 2  | 200107552 | 4790100         | Ylivuotoastia     | Coolant reserve tank | 1   |
| 3  |           | 478050001       | Öljyntäyttökorkki | Oil filler cork      | 1   |
| 4  |           | 478020002       | Öljytikku         | Oil dipstick         | 1   |

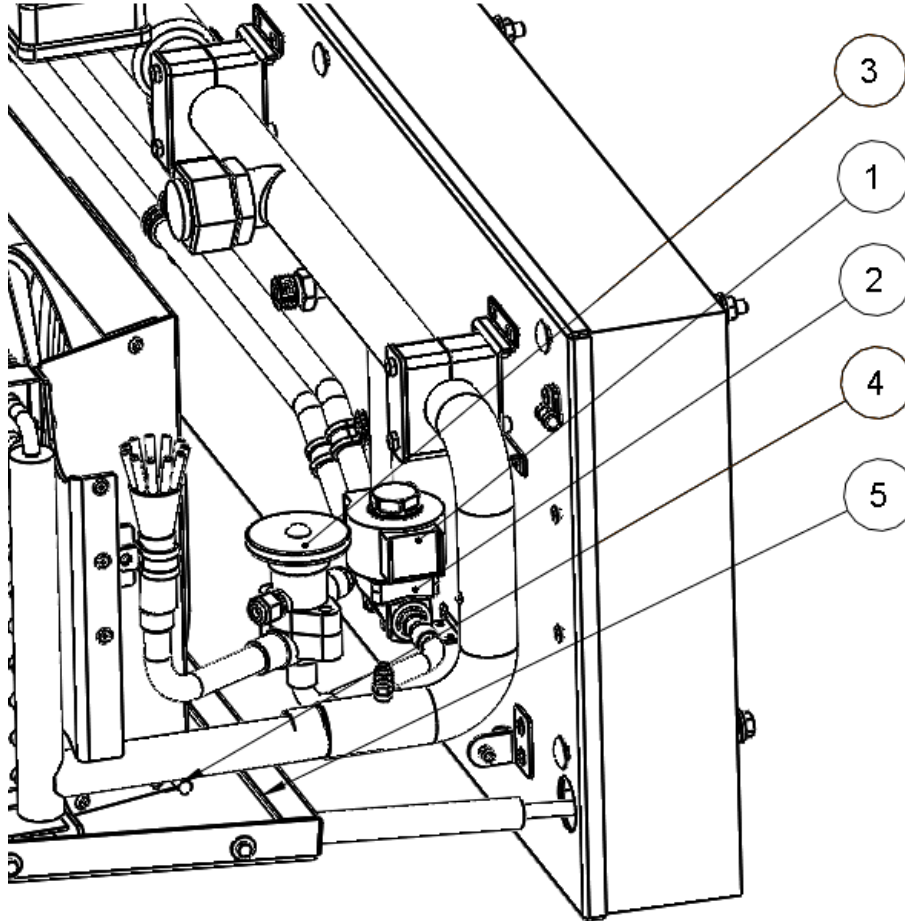
**HÖYRYSTIN**
**EVAPORATOR**


| ID | CODE      | SPARE PART CODE | KUVAUS                           | DESCRIPTION                       | QTY |
|----|-----------|-----------------|----------------------------------|-----------------------------------|-----|
| 1  | 200107405 | pr242030073     | Höyrystin                        | Evaporator                        | 1   |
| 2  | 200107681 |                 | Tippalevy                        | Dip water plate                   | 1   |
| 3  | 200107624 | 80DFL471        | Höyrystimen kotelo               | Evaporator casing                 | 1   |
| 4  | 200107642 | 80dfi-483       | Höyrystinpuhaltimien kotelo      | Evap. Fan housing                 | 1   |
| 5  | 200106233 | 361010020       | Paine-erokello                   | Pressure difference switch        | 1   |
| 6  | 200107208 | 6010278200      | Lämmitysvastus 3 x 320 W, L 1100 | Heater resistor 3 x 320 W, L 1100 | 3   |
| 7  | 200105786 | ELW0974         | Yliämpötermostaatti              | Overheat thermostat               | 1   |
| 8  | 200107312 | 451010006       | Puhallin, aksiaali               | Fan, axial                        | 3   |
| 9  | 200107132 | BHV8443033      | Lämmitysvastus 1 x 120W, L 620mm | Heater resistor 1 x 120W, L 620mm | 1   |
|    |           | 200127858       | Lämpötila-anturi                 | Temperature sensor                | 4   |

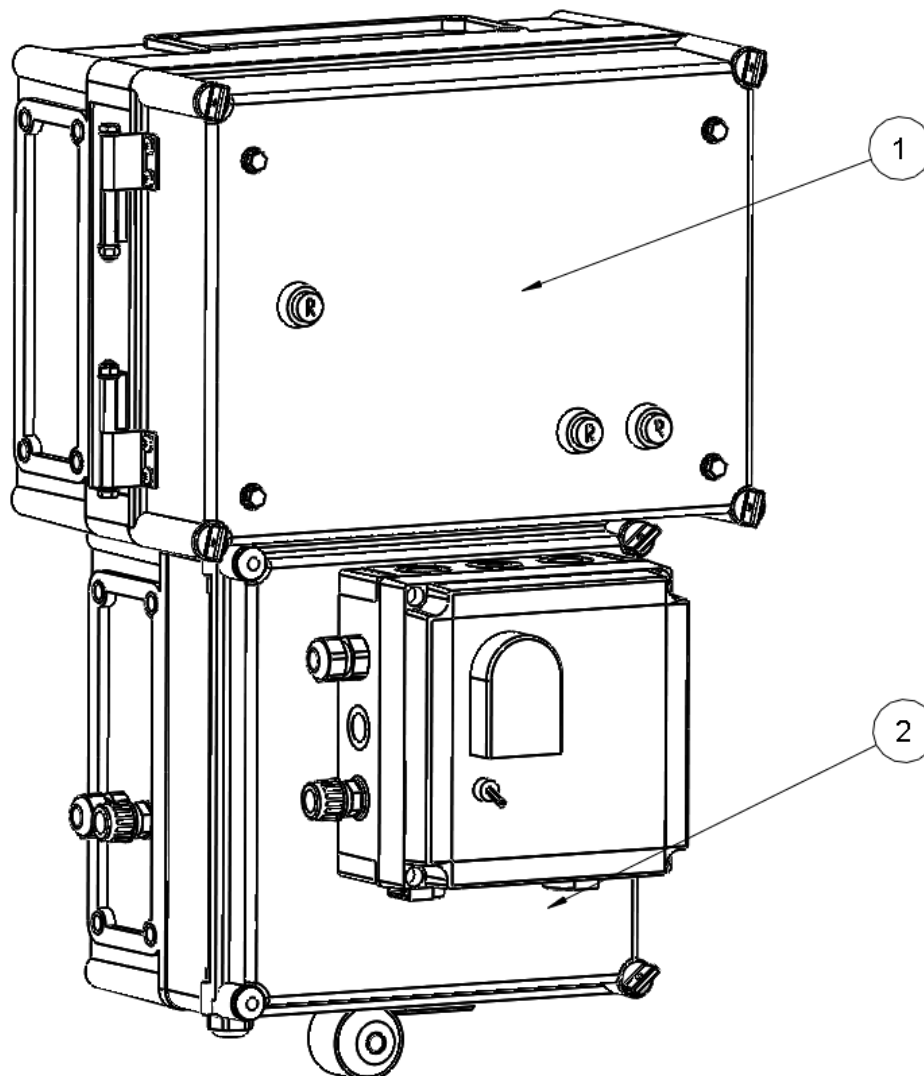
# L7EVO

## HÖYRYSTIN

## EVAPORATOR



| ID | CODE      | SPARE PART CODE | KUVAUS                            | DESCRIPTION                        | QTY |
|----|-----------|-----------------|-----------------------------------|------------------------------------|-----|
| 1  | 200105894 | 394010003       | Kela                              | Coil                               | 1   |
| 2  | 200107090 | 394010006       | Magneettiventtiili                | Magnetic valve                     | 1   |
| 3  | 200107250 | 391010015       | Paisuntaventtiili                 | Expansion valve                    | 1   |
| 4  | 200107559 | 80DFL420        | Lämmitysvastus 1 x 100W, L 1040mm | Heater resistor 1 x 100W, L 1040mm | 1   |
| 5  | 200107144 | 200107144       | Lämmitysvastus 1 x 100W, L 1120mm | Heater resistor 1 x 100W, L 1120mm | 1   |



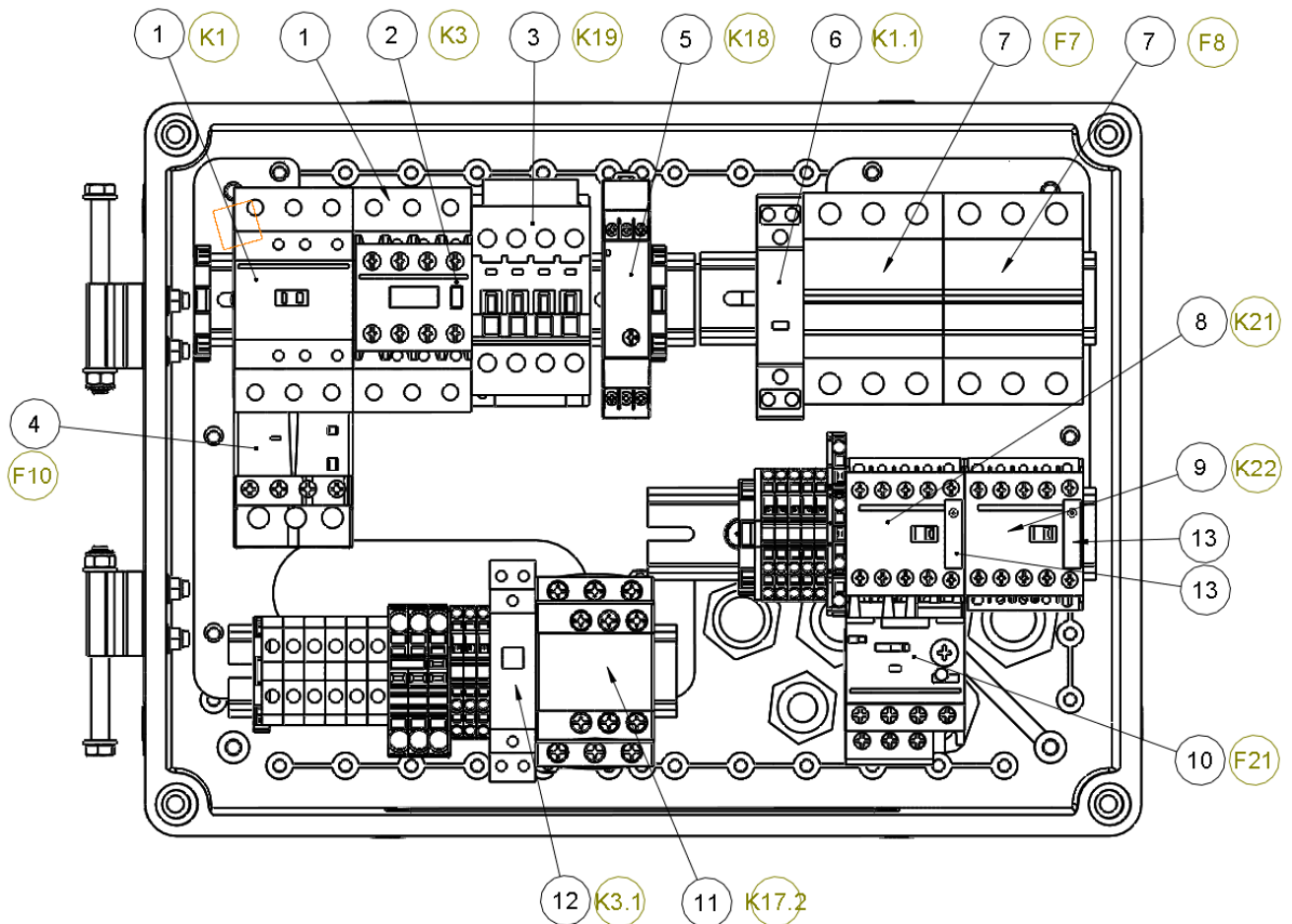
**200107273**

| ID | CODE      | SPARE PART CODE | KUVAUS               | DESCRIPTION          | QTY |
|----|-----------|-----------------|----------------------|----------------------|-----|
| 1  | 200107319 | pr242030226     | Sähkökeskus L7, 400V | Switchboard L7, 400V | 1   |
| 2  | 200107246 | pr242030206     | Sähkökeskukset       | Switchboards         | 1   |

# L7EVO

## SÄHKÖKESKUS 400V

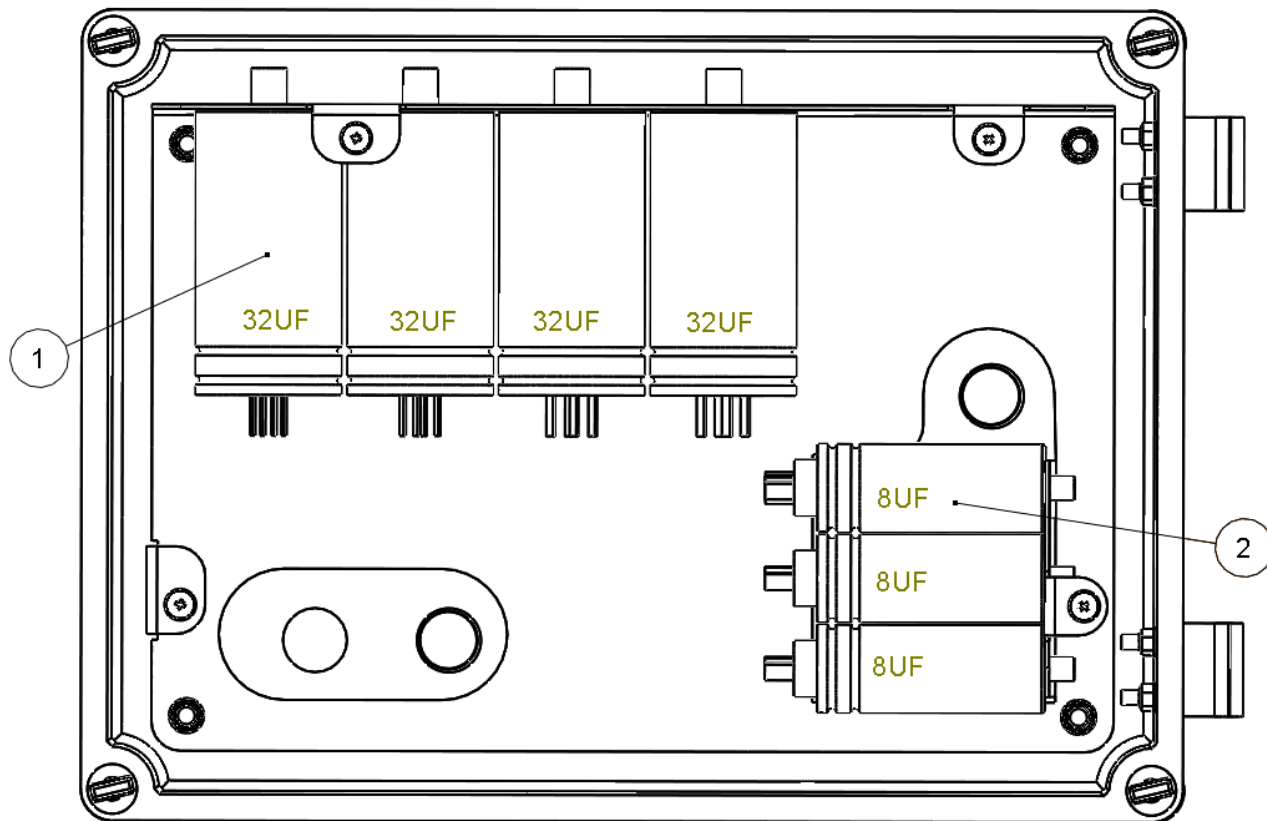
## SWITCHBOARD 400V



| ID | CODE      | SPARE PART CODE | KUVAUS                | DESCRIPTION             | QTY |
|----|-----------|-----------------|-----------------------|-------------------------|-----|
| 1  | 200107058 | 54110017        | Kontaktori            | Contactor               | 2   |
| 2  | 200107434 | 54120003        | Apukosketin           | Auxiliary contact       | 1   |
| 3  | 200107582 | OK1W22          | Kontaktori            | Contactor               | 1   |
| 4  | 200107675 | 54210018        | Rele, lämpö           | Relay, thermal overload | 1   |
| 5  | 200107455 | 54010001        | Rele, vaihevahti      | Relay, phase control    | 1   |
| 6  | 200107256 | ESB2011         | Jännite/ Vaihevahti   | Voltage/ phase relay    | 1   |
| 7  | 200106975 | SLO10A3         | Johdonsuojakatkaisija | Circuit breaker         | 2   |
| 8  | 200106046 | 54110012        | Kontaktori            | Contactor               | 1   |
| 9  | 200106046 | 54110012        | Kontaktori            | Contactor               | 1   |
| 10 | 200107337 | 54210016        | Rele, lämpö           | Relay, thermal overload | 1   |
| 11 | 200107640 | 54110032        | Kontaktori            | Contactor               | 1   |
| 12 | 200107588 | 54110013        | Rele                  | Relay                   | 1   |
| 13 | 200108614 | 54110030        | Diodi                 | Diode                   | 2   |

KONDENSAATTORI

CAPACITOR



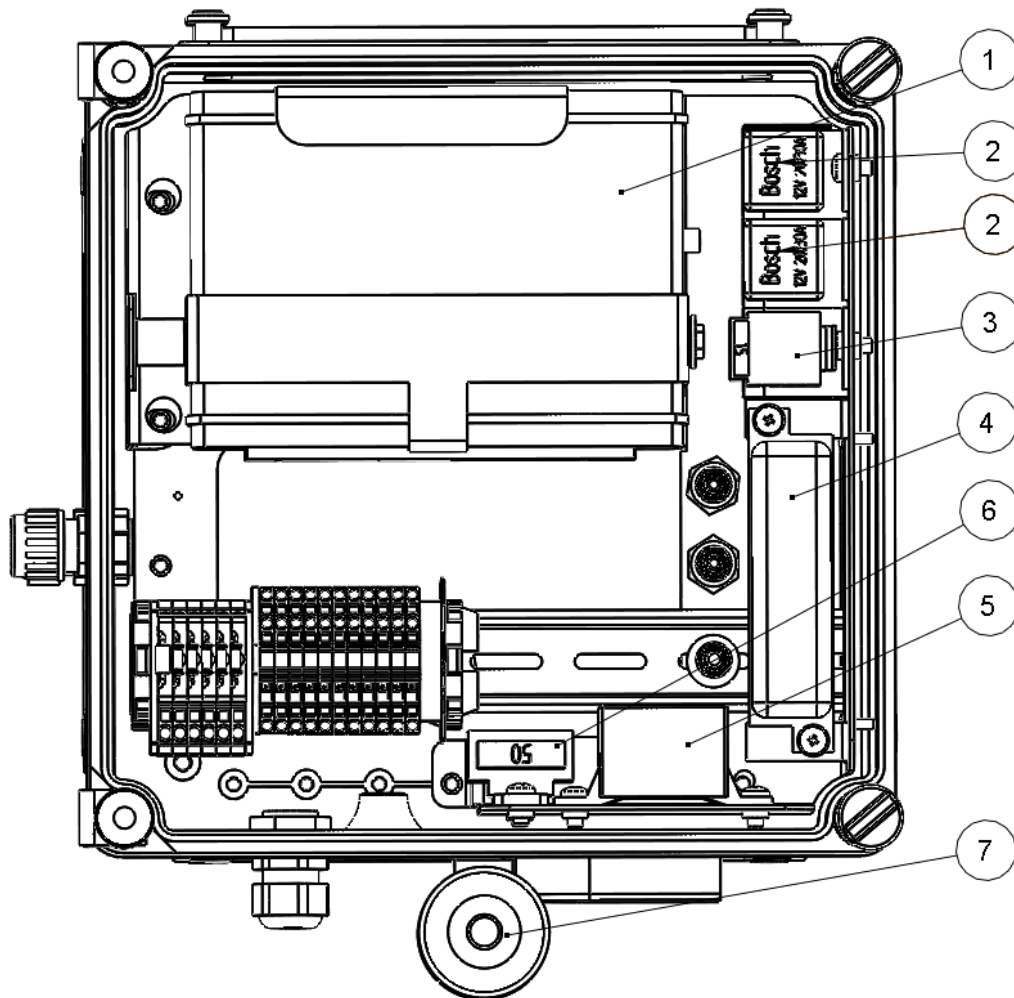
**200107336**

| ID | CODE      | SPARE PART CODE | KUVAUS         | DESCRIPTION | QTY |
|----|-----------|-----------------|----------------|-------------|-----|
| 1  | 200107571 | NOK32UF         | Kondensaattori | Capacitor   | 4   |
| 2  | 200107677 | NOK8UF          | Kondensaattori | Capacitor   | 6   |

## L7EVO

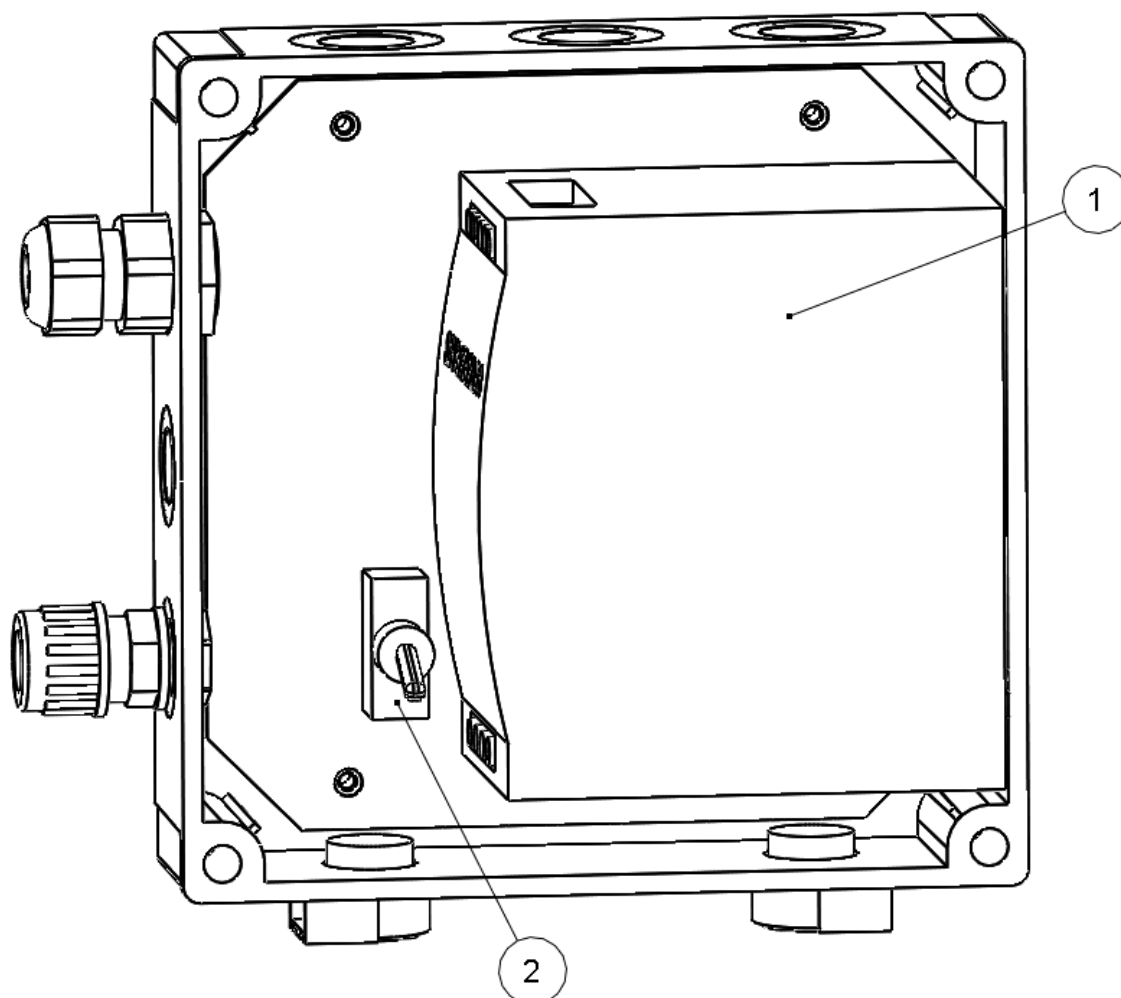
SÄHKÖKESKUS 24V

ELECTRIC CENTER 24V



### 200107246

| ID | CODE      | SPARE PART CODE | KUVAUS                         | DESCRIPTION               | QTY |
|----|-----------|-----------------|--------------------------------|---------------------------|-----|
| 1  | 200105959 | 5751000         | Ohjainyksikkö                  | Control unit              | 1   |
| 2  | 200106539 | ALF0332204101   | Rele                           | Relay                     | 2   |
| 3  | 200106073 | 54110009        | Rele Sulakkeella,15A           | Relay With fuse, 15A      | 1   |
| 4  | 200106931 | MERIT6          | Sulakerasia                    | Fuse box                  | 1   |
| 5  | 200106425 | ALF0332002150   | Rele 12V / 75A                 | Relay 12V / 75A           | 1   |
| 6  | 200107404 | 56550009        | Mega lattasulake, 50A          | Mega flat fuse, 50A       | 1   |
| 7  | 200107478 | 57420005        | Summeri                        | Buzzer                    | 1   |
| 8  | 200106075 | 57420012        | Kondensaattori<br>47000µF, 25V | Capacitor 47000µF,<br>25V | 1   |



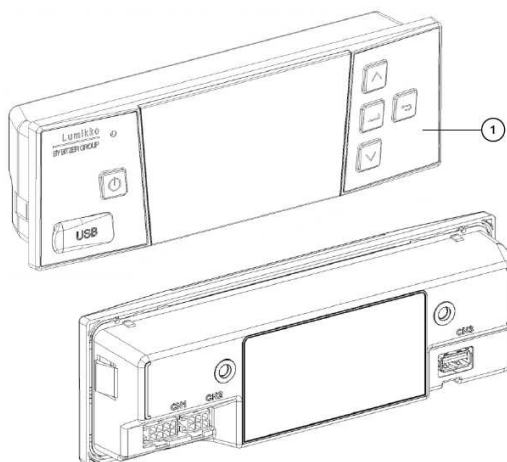
**200107596**

| ID | CODE      | SPARE PART CODE | KUVAUS                   | DESCRIPTION                   | QTY |
|----|-----------|-----------------|--------------------------|-------------------------------|-----|
| 1  | 200107441 | MUUSPD121203    | Akkulaturi400 / 12V, 10A | Battery charger400 / 12V, 10A | 1   |
| 2  | 200106033 | ME93A403E       | Vipukytin15A, 230V       | Toggle switch15A, 230V        | 1   |

## L7EVO

### KÄYTTÖPANEELI LC3UP

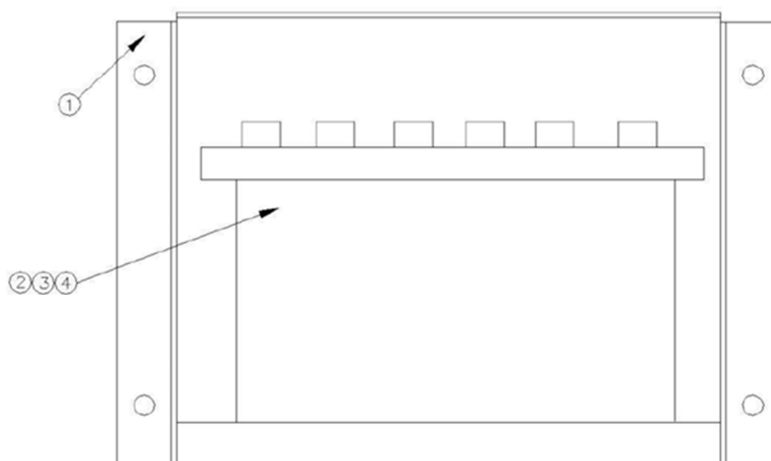
### USER PANEL LC3UP



| ID | CODE | SPARE PART CODE | KUVAUS              | DESCRIPTION      | QTY |
|----|------|-----------------|---------------------|------------------|-----|
| 1  |      | PR243030100     | Käyttöpaneeli LC3UP | User panel LC3UP | 1   |
| 2  |      |                 | Can- väyläkaapeli   | Can- bus cable   | 1   |
| 3  |      |                 | Adapteri            | Adapter          | 1   |

### AKKU

### BATTERY

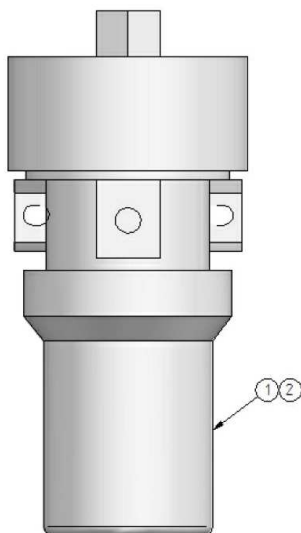


## 123123123

| ID | CODE | SPARE PART CODE | KUVAUS           | DESCRIPTION        | QTY |
|----|------|-----------------|------------------|--------------------|-----|
| 1  |      | 200211808       | Akkukotelo+kansi | Battery cace+ lock | 1   |
| 2  |      | 479010009       | Akku             | Battery            | 1   |
| 3  |      | K25P            | Akkukenkä + napa | Cable clip + pole  | 1   |
| 4  |      | K25M            | Akkukenkä + napa | Cable clip + pole  | 1   |

**POLTTOAINEPUMPPU**

**FUEL PUMP**



| ID | CODE | SPARE PART CODE | KUVAUS           | DESCRIPTION | QTY |
|----|------|-----------------|------------------|-------------|-----|
| 1  |      | 48522           | Polttoainepumppu | Fuel pump   | 1   |
| 2  |      | 446010016       | Liitin           | Connector   | 2   |





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