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**Legend**

Wiring diagram no. **85.99192.0402** Sheet 1 of 11  
 Change status: 07.99

**A = Supply voltage**  
**B = Starting system**  
**C = Steering wheel lock**

**A100** (100) Central fuse, relay and terminal block  
**A185** (167) Indicator light block

**G100** Battery 1  
**G101** Battery 2  
**G102** (109) Generator

**H100** (104) Charge indicator light

**K171** (150) Relay, consumer (terminal 15)

**M100** (100) Starting motor

**Q101** (102) Drive initiation switch

**S149** (100) Isolator switch, battery +

**V100** (100) Diode, interference suppression, terminal 15

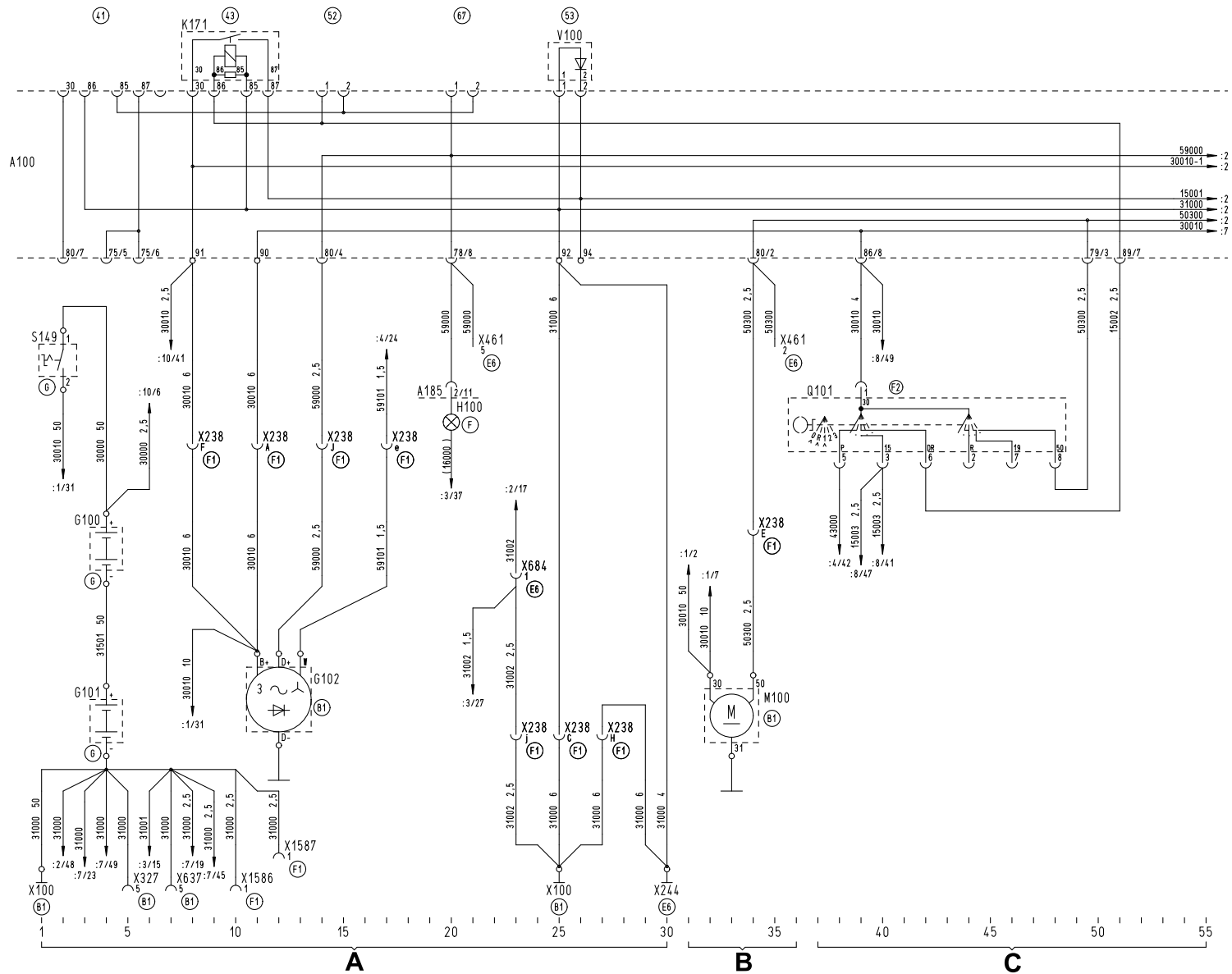
**X100** Earthing point, engine  
**X238** Stvd. cab motor  
**X244** Earth distributor, instrument panel (right)  
**X327** Stvd. solenoid valve, frame  
**X461** Stvd. optional equipment  
**X637** Stvd. control switch, differential locks (rear section of frame)  
**X684** Stvd. cable 31002  
**X1586** Stvd. connection for trailer socket 1  
**X1587** Stvd. connection for trailer socket 2

**Marking of mounting positions**

(A) Tail  
 (B1) Engine  
 (B2) Gearbox  
 (C) Front  
 (C1) Bumper  
 (C2) Entrance, right  
 (C3) Entrance, left  
 (E6) Central electrics area  
 (E7) Control unit racks  
 (F) Instrument panel  
 (F1) Middle section  
 (F2) Steering wheel/column

(F3) Foot pedals  
 (F4) Front panel, inside left  
 (F5) Front panel, inside right  
 (F6) Driver's seat  
 (F7) Passenger seat  
 (G) Battery box  
 (L) Ceiling/roof  
 (N) Front axle  
 (P) Rear axle  
 (R1) Front section of frame  
 (R2) Rear section of frame  
 (S1) Door, left  
 (S2) Door, right

Wiring diagram no. 85.99192.0402 Sheet 1 of 11



**Legend**

Wiring diagram no. **85.99192.0402** Sheet 2 of 11  
 Change status: 07.99

**A = Flame start device**

**B = Air dryer**

**C = Horn**

**D = Indicator light, cab locking**

**A100** (100) Central fuse, relay and terminal block

**A101** (101) Control unit, flame start device

**A185** (167) Indicator light block

**A230** (193) Electronics, cab locking

**B100** (100) Temperature sensor, flame start device

**F106** (107) Fuse, flame start device

**F107** (103) Fuse, reversing light, horn, window lift

**H101** (105) Indicator light, flame start device

**H102** (101) Horn

**H149** (105) Indicator light, cab locking

**H169** (116) Horn (dual-tone)

**K102** (150) Relay, flame start device

**R100** (100) Flame glow plug 1

**R101** (100) Flame glow plug 2

**R107** (106) Air dryer

**S103** (103) Control switch, horn

**S108** (107) Steering column switch (indicators, wipers and headlights)

**S178** Switch, cab locking

**X238** Stvd. cab motor

**X315** Stvd. cab spotlight

**X316** Stvd. cab frame

**X346** Stvd. entrance, right

**Marking of mounting positions**

(A) Tail

(B1) Engine

(B2) Gearbox

(C) Front

(C1) Bumper

(C2) Entrance, right

(C3) Entrance, left

(E6) Central electrics area

(E7) Control unit racks

(F) Instrument panel

(F1) Middle section

(F2) Steering wheel/column

(F3) Foot pedals

(F4) Front panel, inside left

(F5) Front panel, inside right

(F6) Driver's seat

(F7) Passenger seat

(G) Battery box

(L) Ceiling/roof

(N) Front axle

(P) Rear axle

(R1) Front section of frame

(R2) Rear section of frame

(S1) Door, left

(S2) Door, right

**X369** Stvd. horn switchover

**X460** Stvd. optional equipment

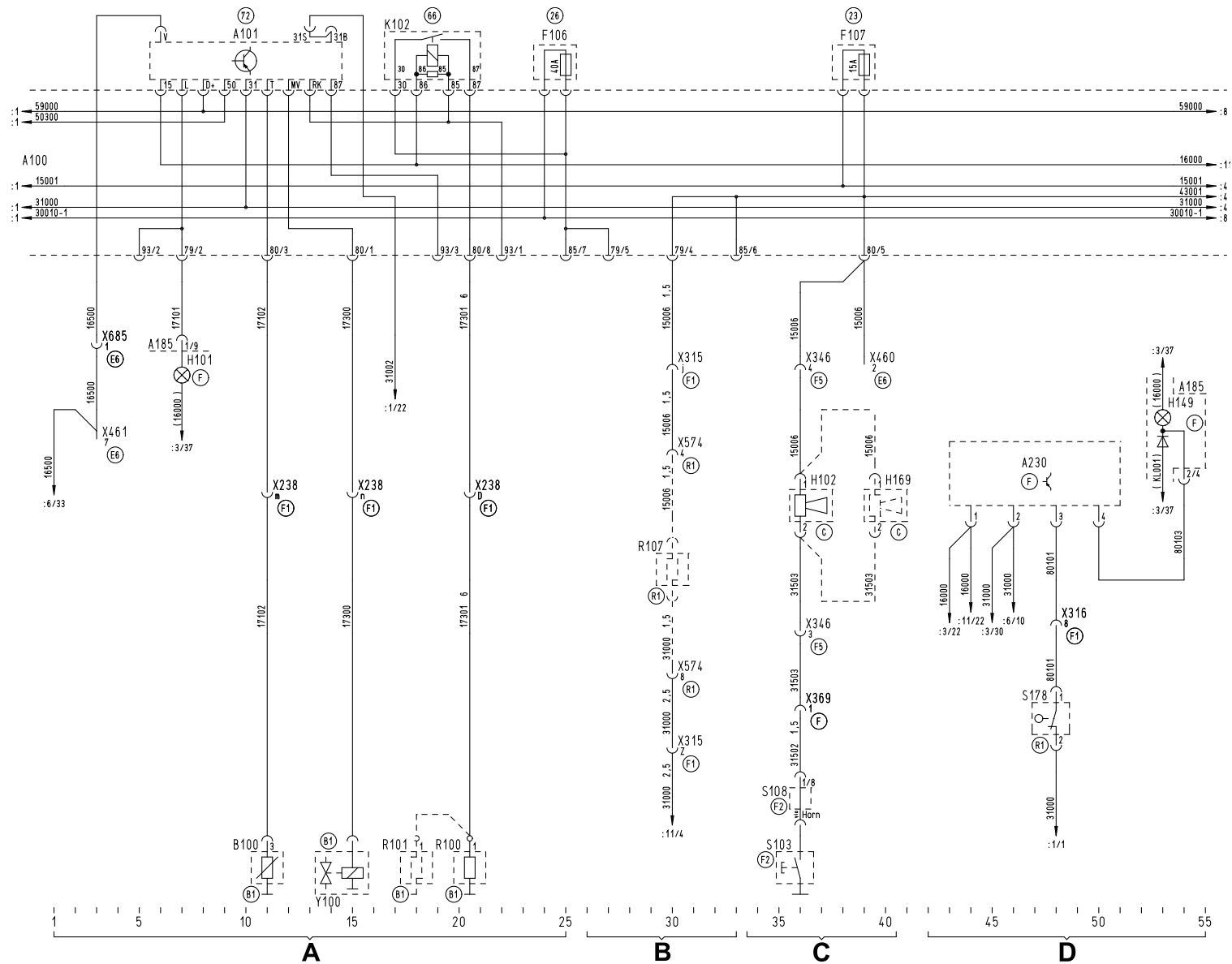
**X461** Stvd. optional equipment

**X574** Stvd. brake circuits 1+2

**X685** Stvd. cable 16500

**Y100** (100) Solenoid valve, flame start device

Wiring diagram no. 85.99192.0402 Sheet 2 of 11



**Legend**

Wiring diagram no. **85.99192.0402** Sheet 3 of 11  
 Change status: 07.99

**A = Reservoir pressure, brake circuits 1-2-3**

**B = Tank indicator**

**C = Oil pressure indicator**

**D = Cooling water temperature indicator**

**E = Indicator lights**

**A100** (100) Central fuse, relay and terminal block

**A185** (167) Indicator light block

**A186** (194) Instrumentation combi-instrument

**B101** (101) Transmitter, reservoir pressure brake circuit 1

**B102** (101) Transmitter, reservoir pressure brake circuit 2

**B103** (102) Pickup, fuel reserve

**B105** (104) Transmitter, cooling water temperature

**B118** (325) Oil pressure switch

**B196** Transmitter, reservoir pressure brake circuit 3

**H108** (105) Indicator light, reservoir pressure

**H109** (105) Indicator light, oil pressure

**H110** (105) Indicator light, cooling water temperature

**H111** (105) Central warning light, STOP

**P102** Indicator instrument, reservoir pressure brake circuit 1

**P103** Indicator instrument, reservoir pressure brake circuit 2

**P104** Indicator instrument fuel in reserve

**P105** Indicator instrument, oil pressure

**P106** Indicator for cooling water temperature

**P108** Indicator instrument, gearbox oil temperature

**X238** Stvd. cab motor

**X315** Stvd. cab spotlight

**X316** Stvd. cab frame

**X368** Stvd. tank changeover

**X574** Stvd. brake circuits 1+2

**X708** Stvd. display for cooling water level

**Marking of mounting positions**

Ⓐ Tail

Ⓑ Engine

Ⓒ Gearbox

Ⓓ Front

Ⓒ1 Bumper

Ⓒ2 Entrance, right

Ⓒ3 Entrance, left

Ⓔ Central electrics area

Ⓔ Control unit racks

Ⓕ Instrument panel

Ⓕ1 Middle section

Ⓕ2 Steering wheel/column

Ⓕ3 Foot pedals

Ⓕ4 Front panel, inside left

Ⓕ5 Front panel, inside right

Ⓕ6 Driver's seat

Ⓕ7 Passenger seat

Ⓖ Battery box

Ⓖ Ceiling/roof

Ⓖ Front axle

Ⓖ Rear axle

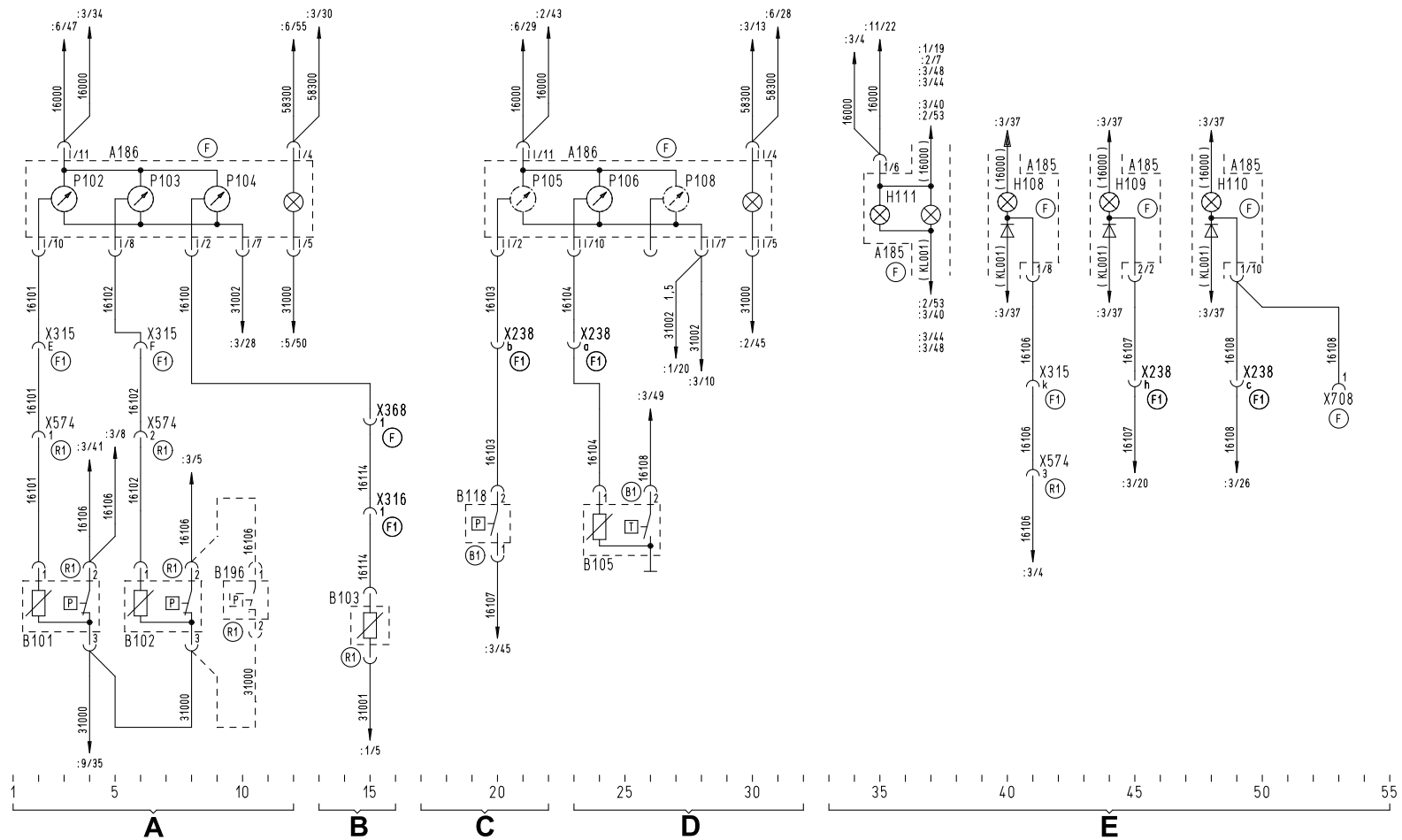
Ⓖ1 Front section of frame

Ⓖ2 Rear section of frame

Ⓖ1 Door, left

Ⓖ2 Door, right

A100



**Legend**

Wiring diagram no. **85.99192.0402** Sheet 4 of 11  
 Change status: 07.99

**A = Brake light**

**B = Reversing lights**

**C = Engine stop, engine brake**

**D = Parking brake**

**A100** (100) Central fuse, relay and terminal block  
**A185** (167) Indicator light block  
**A189** (195) Tail light, left  
**A190** (195) Tail light, right

**B109** (276) Pressure switch, control lamp for parking brake

**E102** Reversing beam, right  
**E103** Reversing beam, left

**F109** (103) Fuse, brake light, window and glass heating,  
 engine brake  
**F110** (101) Fuse, engine shutdown

**H112** Brake light, right  
**H113** Brake light, left  
**H117** (105) Indicator light, parking brake

**S104** (478) Switch, reverse gear engaged  
**S161** (599) Proximity switch, brake light

**X118** (103) Bridge on central fuse, relay and terminal block (item 63)  
**X238** Stvd. cab motor  
**X316** Stvd. cab frame  
**X326** Distributor for cable 43300  
**X347** Stvd. entrance, left  
**X360** Stvd. engine brake, trailer (= "Haenger") +54g  
**X460** Stvd. optional equipment  
**X461** Stvd. optional equipment

**Marking of mounting positions**

**(A)** Tail  
**(B1)** Engine  
**(B2)** Gearbox  
**(C)** Front  
**(C1)** Bumper  
**(C2)** Entrance, right  
**(C3)** Entrance, left  
**(E6)** Central electrics area  
**(E7)** Control unit racks  
**(F)** Instrument panel  
**(F1)** Middle section  
**(F2)** Steering wheel/column

**(F3)** Foot pedals  
**(F4)** Front panel, inside left  
**(F5)** Front panel, inside right  
**(F6)** Driver's seat  
**(F7)** Passenger seat  
**(G)** Battery box  
**(L)** Ceiling/roof  
**(N)** Front axle  
**(P)** Rear axle  
**(R1)** Front section of frame  
**(R2)** Rear section of frame  
**(S1)** Door, left  
**(S2)** Door, right

**X568** (104) Bridge on central fuse, relay and terminal block (item 59)  
**X625** Stvd. engine transmission  
**X1586** Stvd. connection for trailer socket 1  
**X1587** Stvd. connection for trailer socket 2  
**Y102** Solenoid valve, engine stop, engine brake



**Legend**

Wiring diagram no. **85.99192.0402** Sheet 5 of 11  
 Change status: 07.99

**A = Light flashing unit**

**A100** (100) Central fuse, relay and terminal block  
**A185** (167) Indicator light block  
**A189** (195) Tail light, left  
**A190** (195) Tail light, right

**F113** (101) Fuse, light flashing unit

**H118** Indicator light, direction indicators, tractor vehicle  
**H119** Indicator light, direction indicators, trailer  
**H120** (150) Direction indicator, front right  
**H121** (149) Direction indicator, front left  
**H122** Direction indicator, rear right  
**H123** Direction indicator, rear left

**K107** (109) Interval timer, wipers, direction indicators  
**K108** (100) Load relay, direction indicator, right  
**K109** (100) Load relay, direction indicator, left  
**K110** Direction indicator control unit

**S108** (107) Steering column switch (indicators, wipers and headlights)  
**S109** (170) Switch, hazard warning flasher

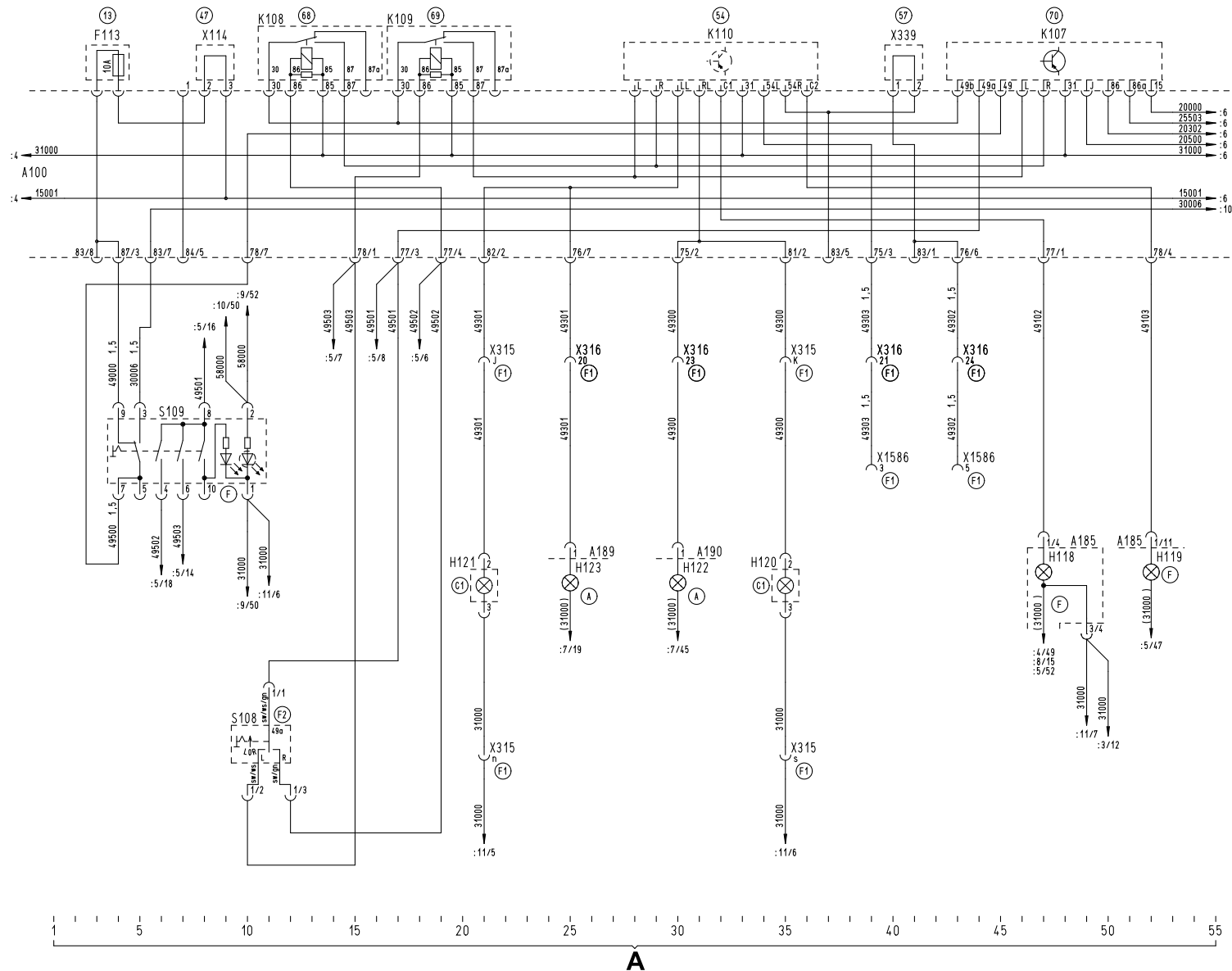
**X114** (103) Bridge on central fuse, relay and terminal block (item 47)  
**X315** Stvd. cab spotlight  
**X316** Stvd. cab frame  
**X339** (104) Bridge on central fuse, relay and terminal block (item 57)  
**X1586** Stvd. connection for trailer socket 1

**Marking of mounting positions**

(A) Tail  
 (B1) Engine  
 (B2) Gearbox  
 (C) Front  
 (C1) Bumper  
 (C2) Entrance, right  
 (C3) Entrance, left  
 (E6) Central electrics area  
 (E7) Control unit racks  
 (F) Instrument panel  
 (F1) Middle section  
 (F2) Steering wheel/column

(F3) Foot pedals  
 (F4) Front panel, inside left  
 (F5) Front panel, inside right  
 (F6) Driver's seat  
 (F7) Passenger seat  
 (G) Battery box  
 (L) Ceiling/roof  
 (N) Front axle  
 (P) Rear axle  
 (R1) Front section of frame  
 (R2) Rear section of frame  
 (S1) Door, left  
 (S2) Door, right

Wiring diagram no. 85.99192.0402 Sheet 5 of 11



**Legend**

Wiring diagram no. **85.99192.0402** Sheet **6** of 11  
 Change status: 07.99

**A = Wiper and washer system**

**B = Tachograph**

**C = Tachometer**

**A100** (100) Central fuse, relay and terminal block

**B110** (108) Pulse generator, tachograph

**F112** (103) Fuse, wiper and washer system

**K106** (244) Relay, wiper pulses

**M102** (157) Screen wiper motor

**M103** (111) Screen wash pump

**P100** (102) Tachograph

**P101** (103) Tachometer

**R106** (111) Potentiometer, instrument illumination

**S108** (107) Steering column switch (indicators, wipers and headlights)

**X238** Stvd. cab motor

**X346** Stvd. entrance, right

**X461** Stvd. optional equipment

**X517** Stvd. tachometer pickup

**X625** Stvd. engine transmission

**Marking of mounting positions**

Ⓐ Tail

Ⓑ Engine

Ⓑ Gearbox

Ⓒ Front

Ⓒ Bumper

Ⓒ Entrance, right

Ⓒ Entrance, left

Ⓔ Central electrics area

Ⓔ Control unit racks

Ⓕ Instrument panel

Ⓕ Middle section

Ⓕ Steering wheel/column

Ⓕ Foot pedals

Ⓕ Front panel, inside left

Ⓕ Front panel, inside right

Ⓕ Driver's seat

Ⓕ Passenger seat

Ⓕ Battery box

Ⓕ Ceiling/roof

Ⓕ Front axle

Ⓕ Rear axle

Ⓕ Front section of frame

Ⓕ Rear section of frame

Ⓕ Door, left

Ⓕ Door, right

Ⓕ Information in brackets applies to flexible armoured cable



**Legend**

Wiring diagram no. **85.99192.0402** Sheet 7 of 11  
 Change status: 07.99

**A = Parking light, left**

**B = Parking light, right**

**A100** (100) Central fuse, relay and terminal block  
**A187** (492) Headlights, left  
**A188** (492) Headlights, right  
**A189** (195) Tail light, left  
**A190** (195) Tail light, right

**E108** (189) Parking light, right  
**E109** (189) Parking light, left  
**E114** (109) Outline marker light, front right  
**E115** (109) Outline marker light, front left  
**E116** Outline marker light, rear right  
**E117** Outline marker light, rear left  
**E118** Tail light, right  
**E119** Tail light, left  
**E210** (162) 1. side marker light, right  
**E211** (162) 1. side marker light, left

**F117** (101) Fuse, parking tail light, left  
**F118** (101) Fuse, parking tail light, right  
**F155** (101) Fuse, speed control  
**F156** (105) Fuse, fuel filter heating

**K115** (261) Relay, terminal 58  
**K116** (187) Relay, parking tail light

**X136** (104) Bridge on central fuse, relay and terminal block (item 45)  
**X315** Stvd. cab spotlight  
**X316** Stvd. cab frame  
**X351** Stvd. roof cable  
**X1586** Stvd. connection for trailer socket 1

**Marking of mounting positions**

- |                             |                                |
|-----------------------------|--------------------------------|
| (A) Tail                    | (F3) Foot pedals               |
| (B1) Engine                 | (F4) Front panel, inside left  |
| (B2) Gearbox                | (F5) Front panel, inside right |
| (C) Front                   | (F6) Driver's seat             |
| (C1) Bumper                 | (F7) Passenger seat            |
| (C2) Entrance, right        | (G) Battery box                |
| (C3) Entrance, left         | (L) Ceiling/roof               |
| (E6) Central electrics area | (N) Front axle                 |
| (E7) Control unit racks     | (P) Rear axle                  |
| (F) Instrument panel        | (R1) Front section of frame    |
| (F1) Middle section         | (R2) Rear section of frame     |
| (F2) Steering wheel/column  | (S1) Door, left                |
|                             | (S2) Door, right               |



**Legend**

Wiring diagram no. **85.99192.0402** Sheet **8** of 11  
 Change status: 07.99

**A = Dipped beam, main beam**  
**B = Light circuit**

**A100** (100) Central fuse, relay and terminal block  
**A185** (167) Indicator light block  
**A187** (492) Headlights, left  
**A188** (492) Headlights, right

**E110** (190) Dipped beam, right  
**E111** (190) Dipped beam, left  
**E112** (191) Main beam, right  
**E113** (191) Main beam, left

**F119** (101) Fuse, dipped beam, right  
**F120** (101) Fuse, dipped beam, left  
**F121** (101) Fuse, main beam, left  
**F122** (101) Fuse, main beam, right

**H129** (105) Indicator light, main beam

**K119** (261) Relay main beam, dipped beam

**S108** (107) Steering column switch (indicators, wipers and headlights)  
**S111** (228) Light switch

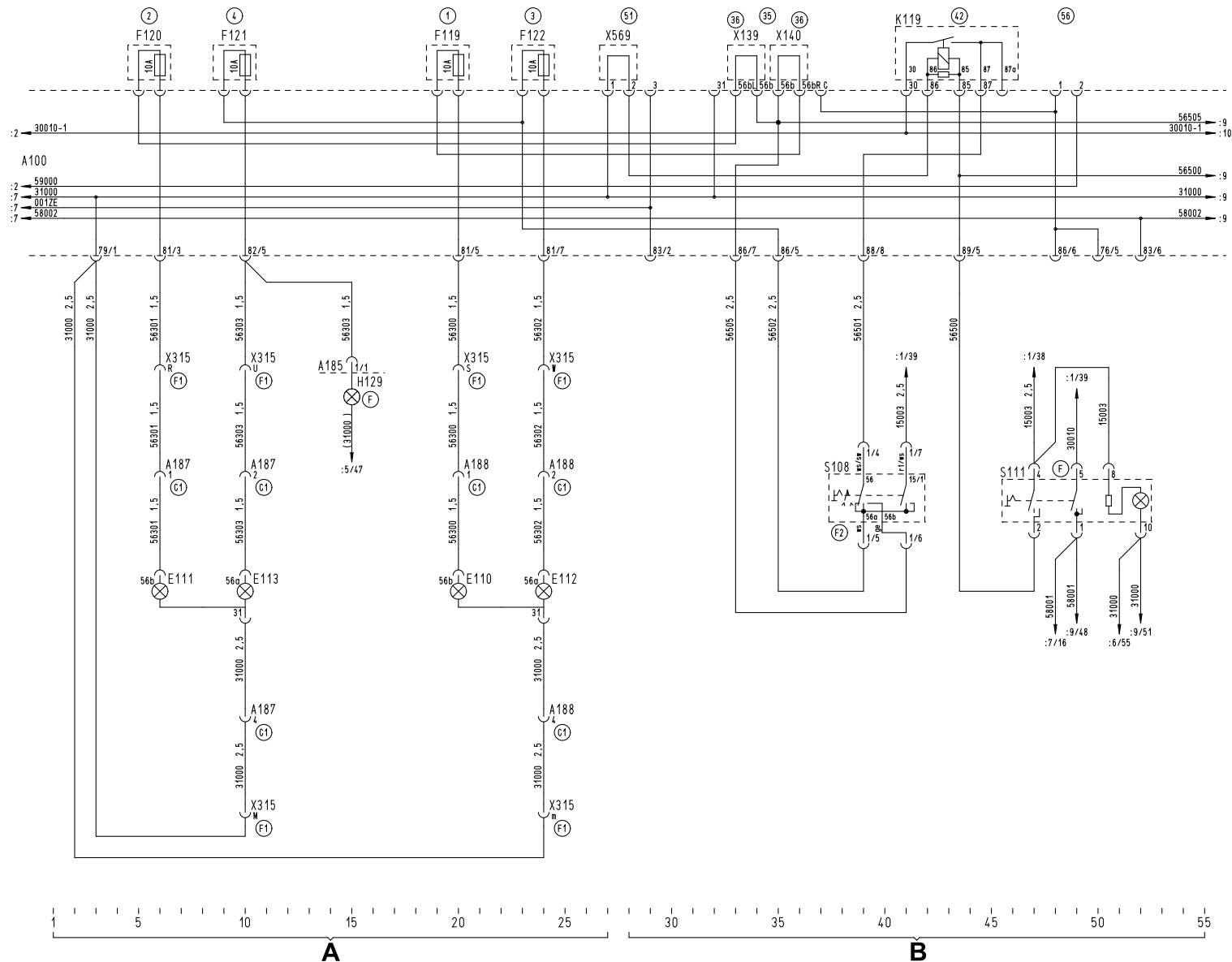
**X139** (108) Bridge on central fuse, relay and terminal block (item 36)  
**X140** (108) Bridge on central fuse, relay and terminal block (item 36)  
**X315** Stvd. cab spotlight  
**X569** (104) Bridge on central fuse, relay and terminal block (item 51)

**Marking of mounting positions**

(A) Tail  
 (B1) Engine  
 (B2) Gearbox  
 (C) Front  
 (C1) Bumper  
 (C2) Entrance, right  
 (C3) Entrance, left  
 (E6) Central electrics area  
 (E7) Control unit racks  
 (F) Instrument panel  
 (F1) Middle section  
 (F2) Steering wheel/column

(F3) Foot pedals  
 (F4) Front panel, inside left  
 (F5) Front panel, inside right  
 (F6) Driver's seat  
 (F7) Passenger seat  
 (G) Battery box  
 (L) Ceiling/roof  
 (N) Front axle  
 (P) Rear axle  
 (R1) Front section of frame  
 (R2) Rear section of frame  
 (S1) Door, left  
 (S2) Door, right

Wiring diagram no. 85.99192.0402 Sheet 8 of 11



**Legend**

Wiring diagram no. **85.99192.0402** Sheet **9** of 11  
 Change status: 07.99

**A = Loose wires**

**B = Heater**

**C = Rear fog lights**

**A100** (100) Central fuse, relay and terminal block  
**A106** (495) Heater  
**A189** (195) Tail light, left  
**A190** (195) Tail light, right

**E124** Rear fog light, right  
**E125** Rear fog light, left

**F124** (101) Fuse, front fog light, rear fog light  
**F133** (104) Fuse, heater  
**F166** (103) Fuse, mirror, window lift

**K118** (100) Relay, rear fog light  
**K675** (279) Relay, rear fog light

**S555** (560) Control switch, rear fog light

**X141** (104) Bridge on central fuse, relay and terminal block (item 50)  
**X238** Std. cab motor  
**X315** Std. cab spotlight  
**X316** Std. cab frame  
**X327** Std. solenoid valve, frame  
**X460** Std. optional equipment  
**X574** Std. brake circuits 1+2  
**X625** Std. engine transmission  
**X637** Std. control switch, differential locks (rear section of frame)  
**X1336** Std. brake pad wear indicator, front axle l, right  
**X1337** Std. brake pad wear indicator, front axle l, left  
**X1340** Std. brake pad wear indicator, rear axle l, right  
**X1341** Std. brake pad wear indicator, rear axle l, left

**Marking of mounting positions**

**(A)** Tail  
**(B1)** Engine  
**(B2)** Gearbox  
**(C)** Front  
**(C1)** Bumper  
**(C2)** Entrance, right  
**(C3)** Entrance, left  
**(E6)** Central electrics area  
**(E7)** Control unit racks  
**(F)** Instrument panel  
**(F1)** Middle section  
**(F2)** Steering wheel/column

**(F3)** Foot pedals  
**(F4)** Front panel, inside left  
**(F5)** Front panel, inside right  
**(F6)** Driver's seat  
**(F7)** Passenger seat  
**(G)** Battery box  
**(L)** Ceiling/roof  
**(N)** Front axle  
**(P)** Rear axle  
**(R1)** Front section of frame  
**(R2)** Rear section of frame  
**(S1)** Door, left  
**(S2)** Door, right

**X1586** Std. connection for trailer socket 1  
**X1587** Std. connection for trailer socket 2



**Legend**

Wiring diagram no. **85.99192.0402** Sheet **10** of 11  
 Change status: 07.99

**A = Distributor, cable 30006**      **B = Interior light**  
**C = Entrance step illumination**    **D = Lighting, device rack**  
**E = Cigarette lighter**                **F = Illumination, ash tray**  
**G = Distributor, cable 58000**

**A100** (100) Central fuse, relay and terminal block

**E127** (121) Interior light  
**E150** (127) Entrance illumination, right  
**E162** (127) Entrance illumination, left  
**E176** (161) Lighting, device rack  
**E177** (133) Illumination, ash tray left  
**E178** (133) Illumination, ash tray right

**F125** (101) Fuse instrument, switch and search illumination  
**F128** (101) Fuse, permanent load  
**F158** (124) Fuse, cigarette lighter

**R108** (110) Cigarette lighter

**S181** (598) Door contact switch, left  
**S182** (598) Door contact switch, right

**X157** (104) Bridge on central fuse, relay and terminal block (item 46)  
**X316**        Std. cab frame  
**X345**        Std. middle/top section  
**X346**        Std. entrance, right  
**X347**        Std. entrance, left  
**X348** (130) Distributor, cable 30006  
**X462**        Std. ceiling light and spotlight  
**X644** (130) Distributor, cable 58000

**Marking of mounting positions**

<b>(A)</b> Tail	<b>(F3)</b> Foot pedals
<b>(B1)</b> Engine	<b>(F4)</b> Front panel, inside left
<b>(B2)</b> Gearbox	<b>(F5)</b> Front panel, inside right
<b>(C)</b> Front	<b>(F6)</b> Driver's seat
<b>(C1)</b> Bumper	<b>(F7)</b> Passenger seat
<b>(C2)</b> Entrance, right	<b>(G)</b> Battery box
<b>(C3)</b> Entrance, left	<b>(L)</b> Ceiling/roof
<b>(E6)</b> Central electrics area	<b>(N)</b> Front axle
<b>(E7)</b> Control unit racks	<b>(P)</b> Rear axle
<b>(F)</b> Instrument panel	<b>(R1)</b> Front section of frame
<b>(F1)</b> Middle section	<b>(R2)</b> Rear section of frame
<b>(F2)</b> Steering wheel/column	<b>(S1)</b> Door, left
	<b>(S2)</b> Door, right



**Legend**

Wiring diagram no. **85.99192.0402** Sheet **11** of 11  
 Change status: 07.99

**A = Distributor, cable 31000**  
**B = Power supply, diagnostics**  
**C = Distributor, cable 16000**  
**D = Headlight levelling**

**A100** (100) Central fuse, relay and terminal block  
**A187** (492) Headlights, left  
**A188** (492) Headlights, right

**F108** (103) Fuse, monitoring of operation  
**F153** (101) Fuse, gearbox  
**F157** (101) Fuse, central lubrication  
**F160** (105) Fuse ABS power supply, trailer  
**F161** (103) Fuse, ABS, power supply pressure control valve  
**F162** (101) Fuse, ABS control

**M117** (156) Actuator motor, headlight levelling, left  
**M118** (156) Actuator motor, headlight levelling, right

**R109** (112) Positioning potentiometer, headlight levelling

**X201** Stvd. diagnostics (flash code)  
**X242** (130) Earth distributor, instrument panel (left)  
**X244** Earth distributor, instrument panel (right)  
**X313** (130) Distributor, cable 16000  
**X315** Stvd. cab spotlight  
**X364** Distributor, cable 58000  
**X371** Stvd. headlight levelling

**Marking of mounting positions**

- |                          |                             |
|--------------------------|-----------------------------|
| Ⓐ Tail                   | Ⓕ Foot pedals               |
| Ⓑ Engine                 | Ⓖ Front panel, inside left  |
| Ⓑ Gearbox                | Ⓖ Front panel, inside right |
| Ⓒ Front                  | Ⓖ Driver's seat             |
| Ⓒ Bumper                 | Ⓖ Passenger seat            |
| Ⓒ Entrance, right        | Ⓖ Battery box               |
| Ⓒ Entrance, left         | Ⓖ Ceiling/roof              |
| Ⓒ Central electrics area | Ⓖ Front axle                |
| Ⓒ Control unit racks     | Ⓖ Rear axle                 |
| Ⓒ Instrument panel       | Ⓖ Front section of frame    |
| Ⓒ Middle section         | Ⓖ Rear section of frame     |
| Ⓒ Steering wheel/column  | Ⓖ Door, left                |
|                          | Ⓖ Door, right               |

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