

# Service Manual Trucks

Group **37**

Version **01**

Wiring diagram

FH12, FH16 LHD

To be inserted into the binders for FM, FH.

# Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to September 1998.

The products are under continuous development. Vehicles and components produced after the above date may therefore have different specifications and repair methods. When this is judged to have a significant bearing on this manual, supplementary service bulletins will be issued to cover the changes.

The new edition of this manual will update the changes.

In service procedures where the title incorporates an operation number, this is a reference to V.S.T. (Volvo Standard Times).

Service procedures which do not include an operation number in the title are for general information and no reference is made to V.S.T.

The following levels of observations, cautions and warnings are used in this Service Documentation:

**Note:** Indicates a situation, handling or circumstance which should be observed.

**Important:** Indicates a situation, handling or circumstance which should be emphasized so as not to lead to personal injury or damage to property.

**Caution:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or damage to property.

**Warning:** Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury or major damage to property.

**Danger:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**Volvo Truck Corporation**  
Göteborg, Sweden

**Order number: TSP119544**

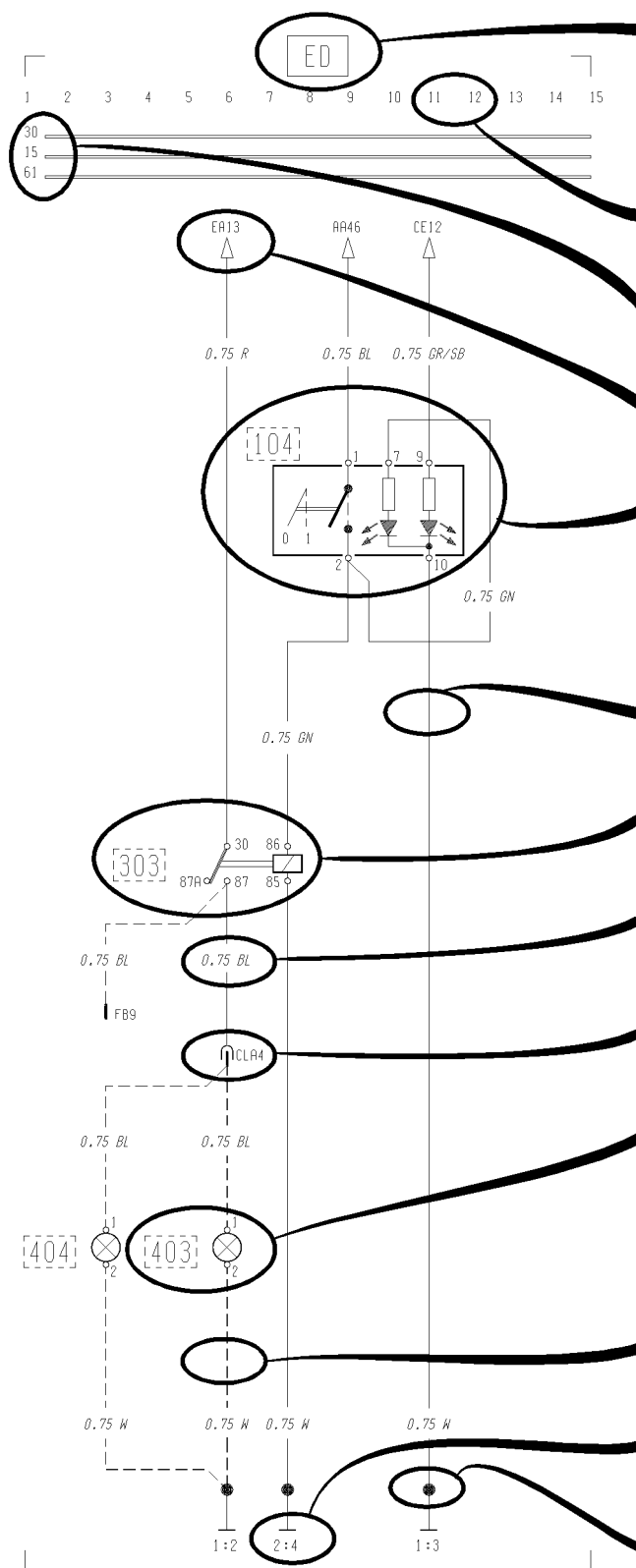
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| Feedback                                       |     |

## Example of wiring diagram



Refer to the list of contents for the designation of the circuit diagram. If the circuit diagram designation is boxed in with broken lines this means that the circuit diagram is not standard on all market or vehicle models.

Seek column.

30 Voltage battery, kl.30.

15 Voltage with starting key in drive position, kl.15.

61 Voltage when alternator charges, kl.61.

Reference arrow (for circuit diagram EA, seek column 13).

Switch, comp. no. (104).

Single lines, cables.

Relay, comp. no. (303).

Cable area and colour (0.75 mm<sup>2</sup> blue).

Connector (CLA terminal 4).

Bulb, comp. no. (403)

A broken line box round the component number shows that the component is not standard on all markets or vehicle models.

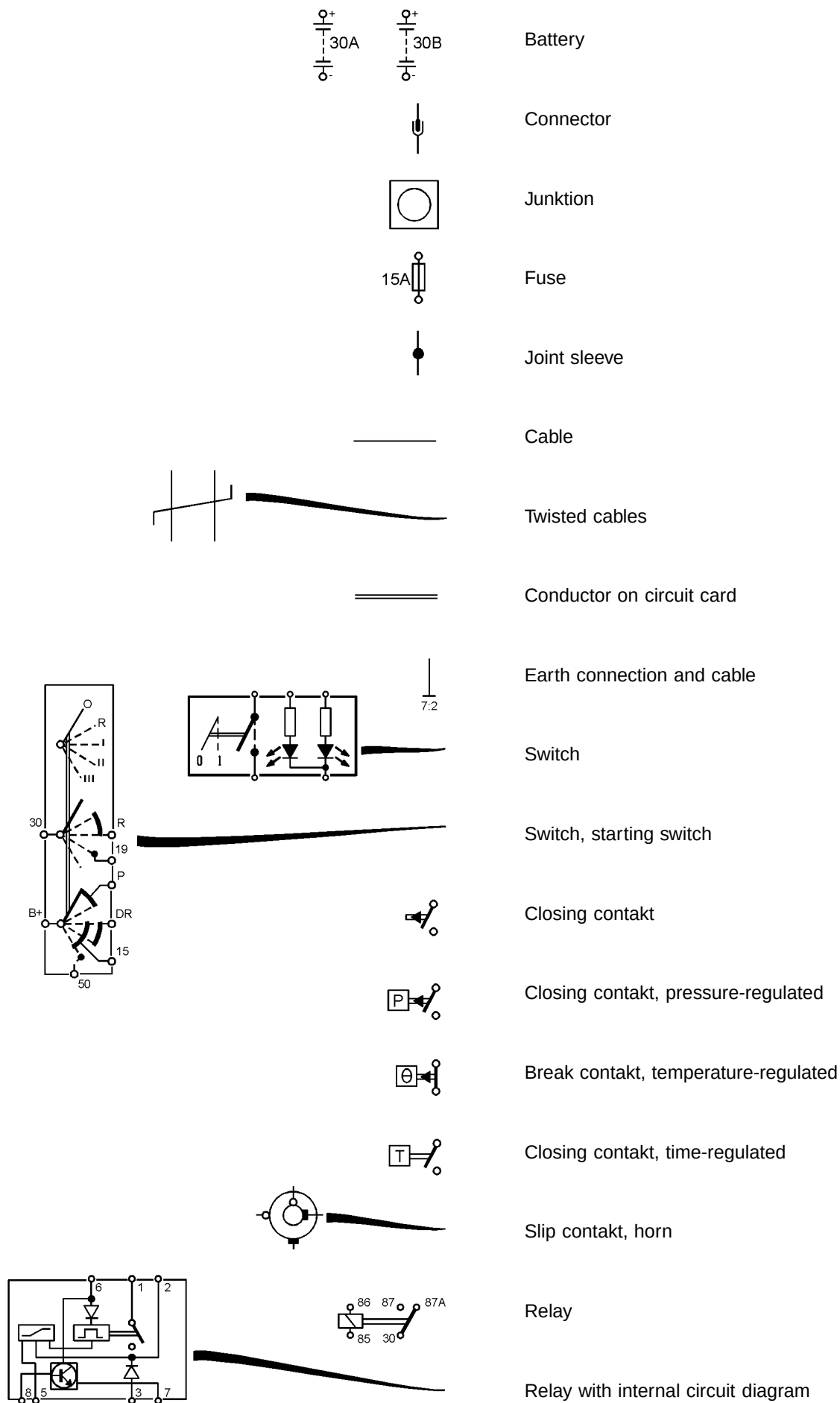
If the line is broken this means the cable is not standard on all markets or vehicle model.

Earth connection point no: 2. and earth terminal no: 4. (see diagram Earth Connections).

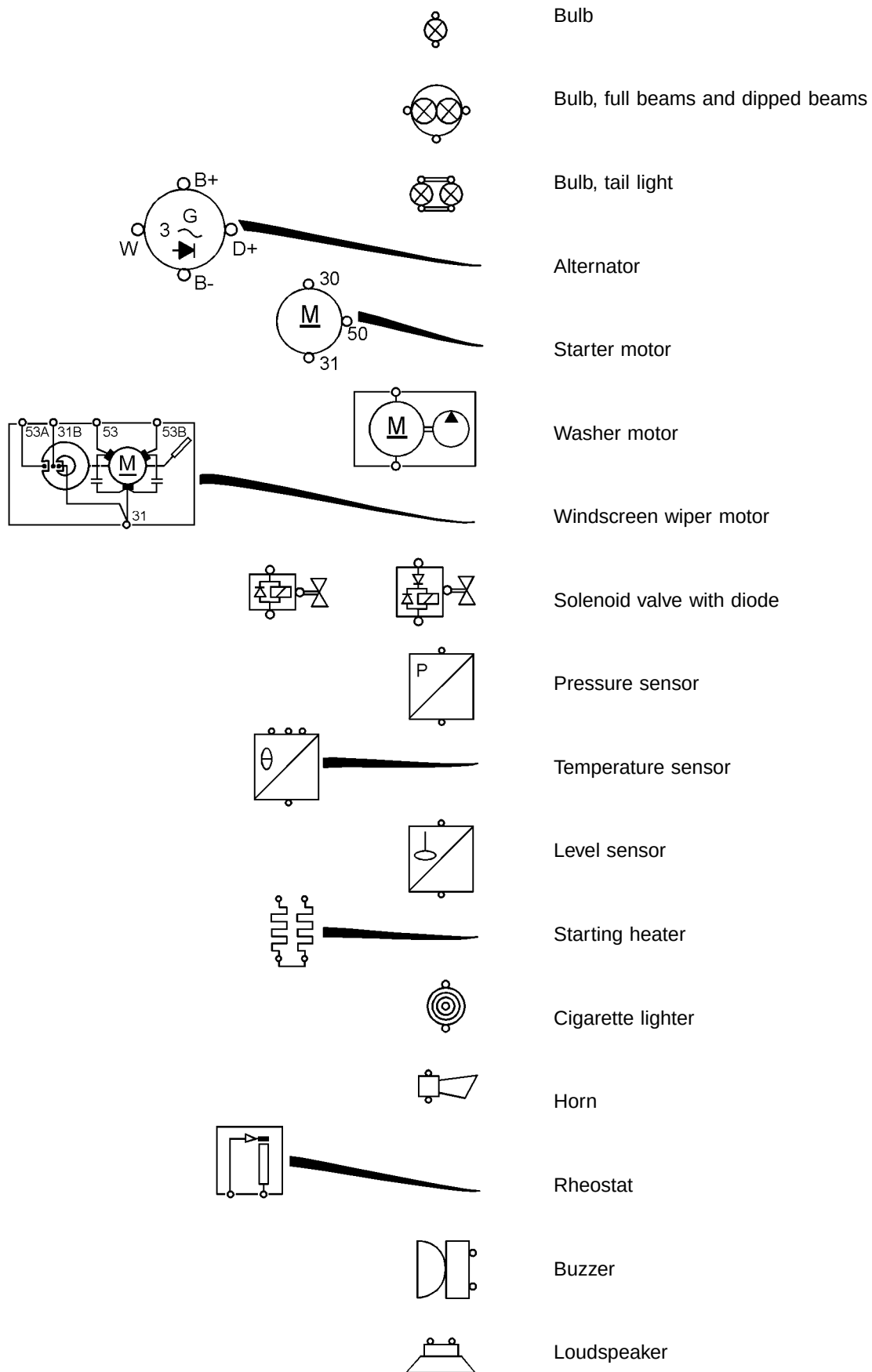
Joint sleeve.

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## Examples of symbols on wiring diagram



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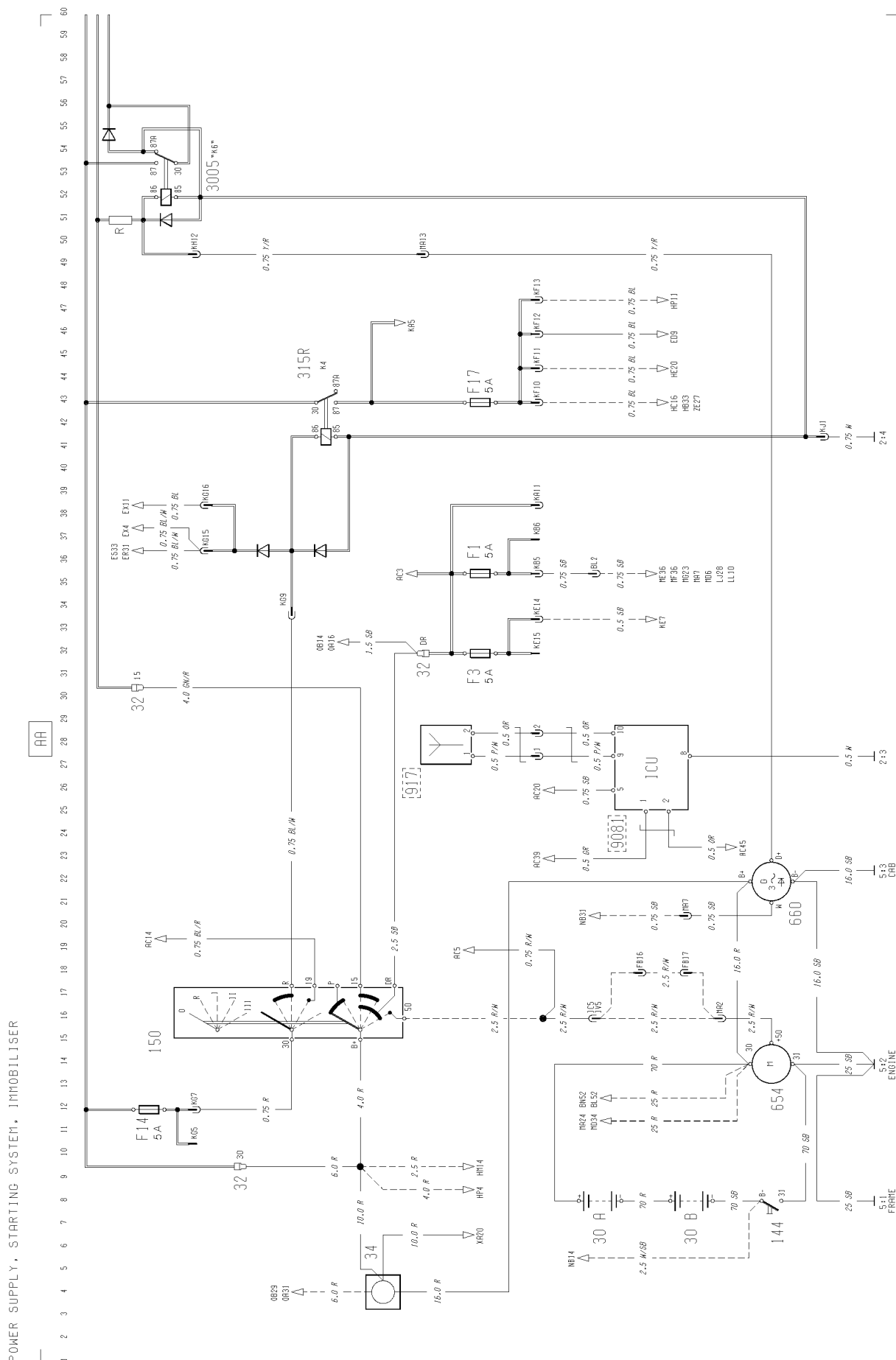
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# Component wiring diagram index

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| <b>AC</b> | Vehicle ECU .....                                         | page 8  |
| <b>BL</b> | Engine ECU, fuel injection system, preheating, FH12 ..... | page 9  |
| <b>BN</b> | Engine ECU, fuel injection system, preheating, FH16 ..... | page 10 |
| <b>CE</b> | Head light, parking light, marker light, DRL .....        | page 11 |
| <b>CG</b> | Fog light, rear fog light .....                           | page 12 |
| <b>CH</b> | Spot light (STD) DRIVL2 .....                             | page 12 |
| <b>CI</b> | Spot light (EU) DRIVL2EC .....                            | page 12 |
| <b>CK</b> | Brake light .....                                         | page 13 |
| <b>CL</b> | Trailer controlled exhaust brake .....                    | page 13 |
| <b>CN</b> | Direction indicator, hazard warning light .....           | page 14 |
| <b>EA</b> | Reversing light, reversing warning alarm .....            | page 14 |
| <b>ED</b> | Loading light, fifth wheel light .....                    | page 15 |
| <b>EJ</b> | Roof sign light, L1H1/L2H1 .....                          | page 15 |
| <b>EK</b> | Roof sign light, L2H2 .....                               | page 16 |
| <b>EN</b> | Beacon warning light .....                                | page 16 |
| <b>ER</b> | Interior light, L1H1/ L2H1, alarm clock/timer .....       | page 17 |
| <b>ES</b> | Interior light, L2H2/L2H3, alarm clock/timer .....        | page 18 |
| <b>EV</b> | Cigarette lighter .....                                   | page 19 |
| <b>EX</b> | 12 V power supply .....                                   | page 19 |
| <b>FA</b> | Horn .....                                                | page 19 |
| <b>GA</b> | Wiper, washer .....                                       | page 20 |
| <b>HA</b> | Climate unit .....                                        | page 21 |
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| <b>HE</b> | Electrically heated and adjusted seat .....               | page 24 |
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| <b>HH</b> | Electrically operated mirrors .....                       | page 25 |
| <b>HK</b> | Air dryer .....                                           | page 25 |
| <b>HM</b> | Fuel filter heater .....                                  | page 25 |
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| <b>HP</b> | Electrically cab tilt .....                               | page 26 |
| <b>JA</b> | Radio .....                                               | page 26 |
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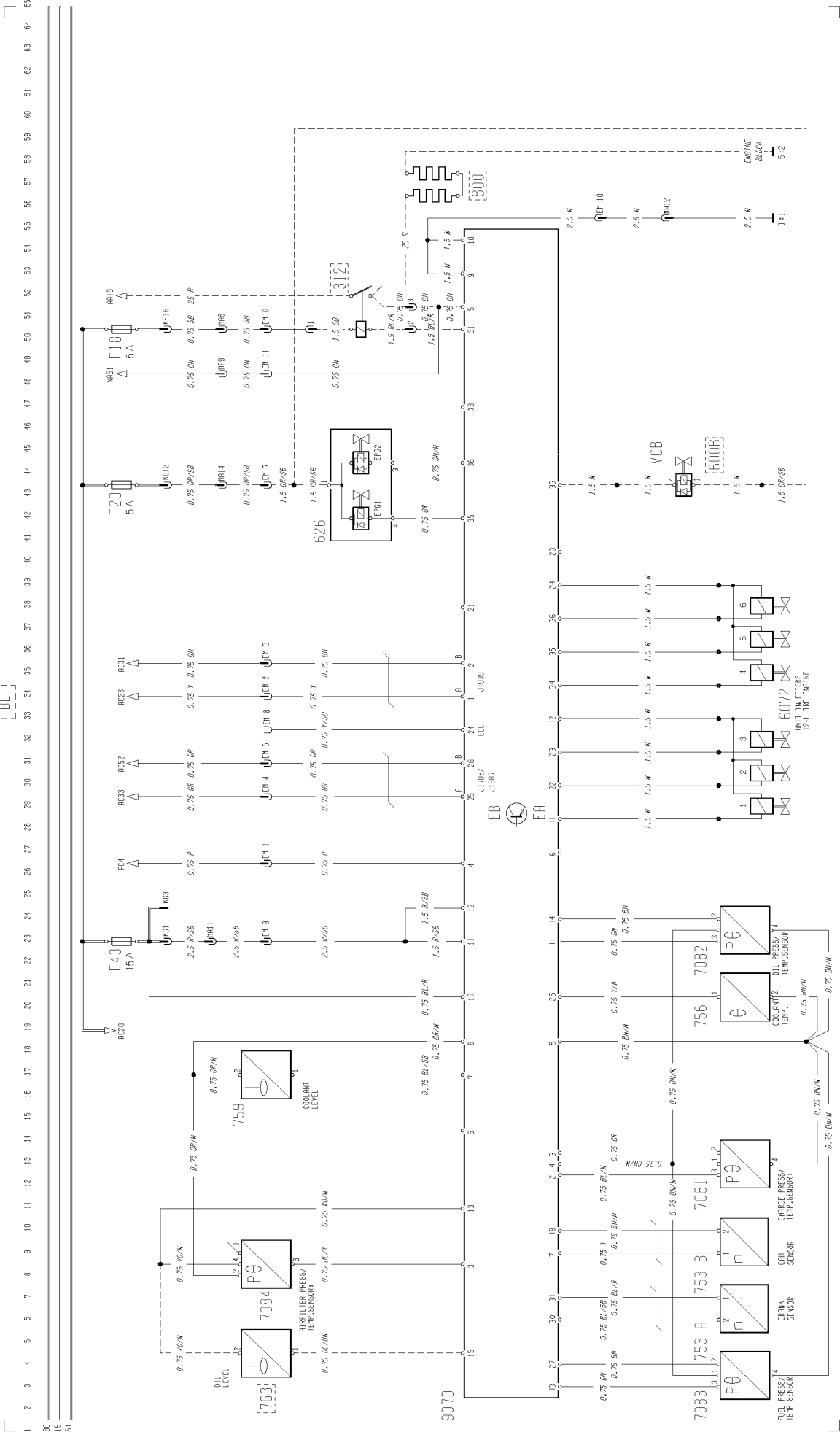
|           |                                                             |         |
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| <b>KH</b> | Central door lock .....                                     | page 28 |
| <b>LD</b> | Power take-off .....                                        | page 28 |
| <b>LE</b> | Double power take-off .....                                 | page 29 |
| <b>LG</b> | Differential lock .....                                     | page 29 |
| <b>LJ</b> | Bogie lift, tag axle lock, RADT-LA .....                    | page 30 |
| <b>LL</b> | Tag axle lock, RADT-A6S .....                               | page 30 |
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| <b>MD</b> | Bogie lift hydraulic, with axle load limiter, RADT-AR ..... | page 32 |
| <b>ME</b> | Air suspension, 6x2/6x4/8x2/8x4, SUSPL-EC .....             | page 33 |
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| <b>OB</b> | ABS/ASR, D-version .....                                    | page 41 |
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| <b>TB</b> | Central lubrication system .....                            | page 42 |
| <b>XA</b> | Extra fuses, key switch relay .....                         | page 43 |
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| <b>ZB</b> | Earth connections .....                                     | page 45 |
| <b>ZD</b> | ADR battery main switch, current limiter .....              | page 46 |
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## Component wiring diagrams

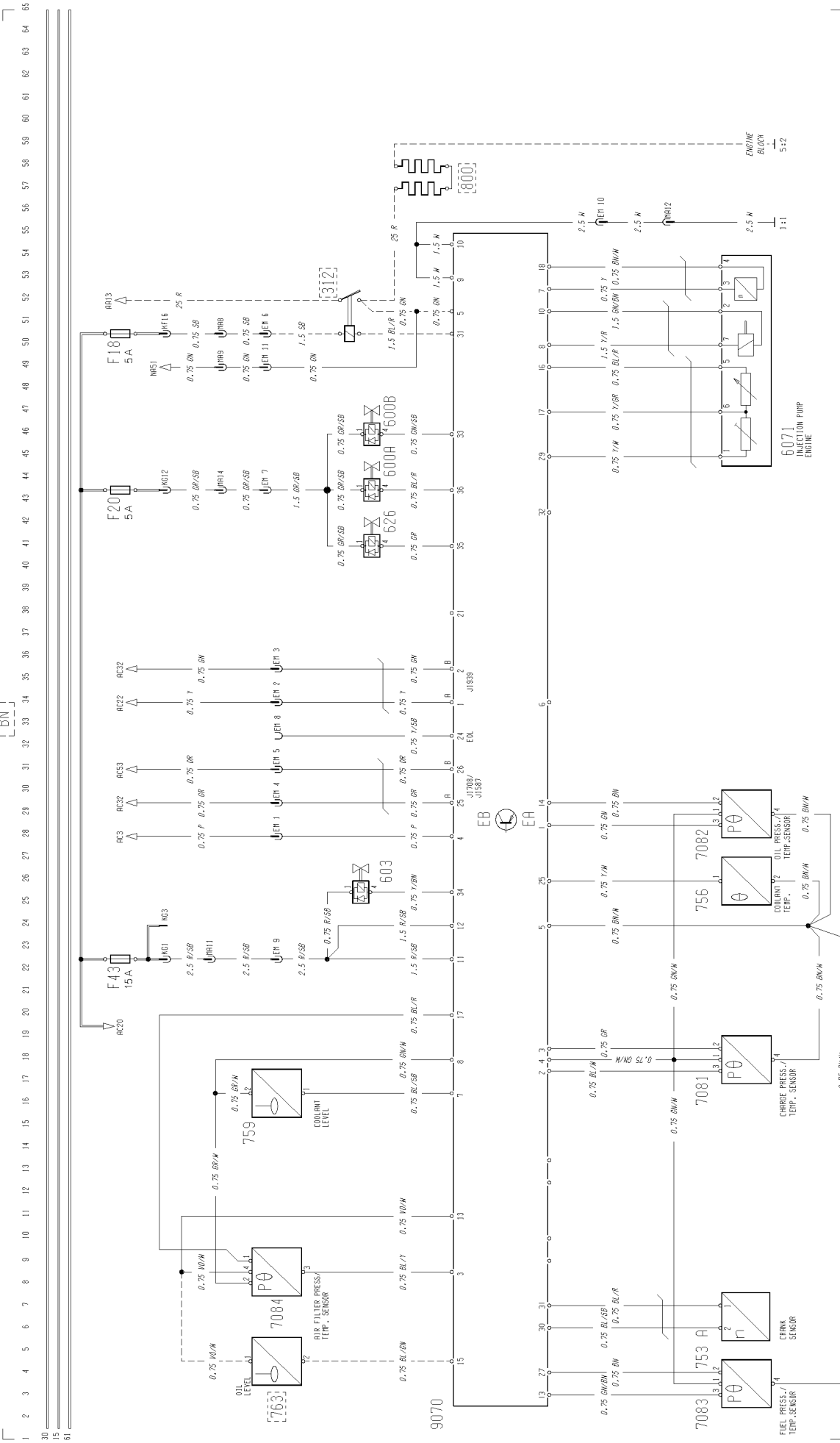




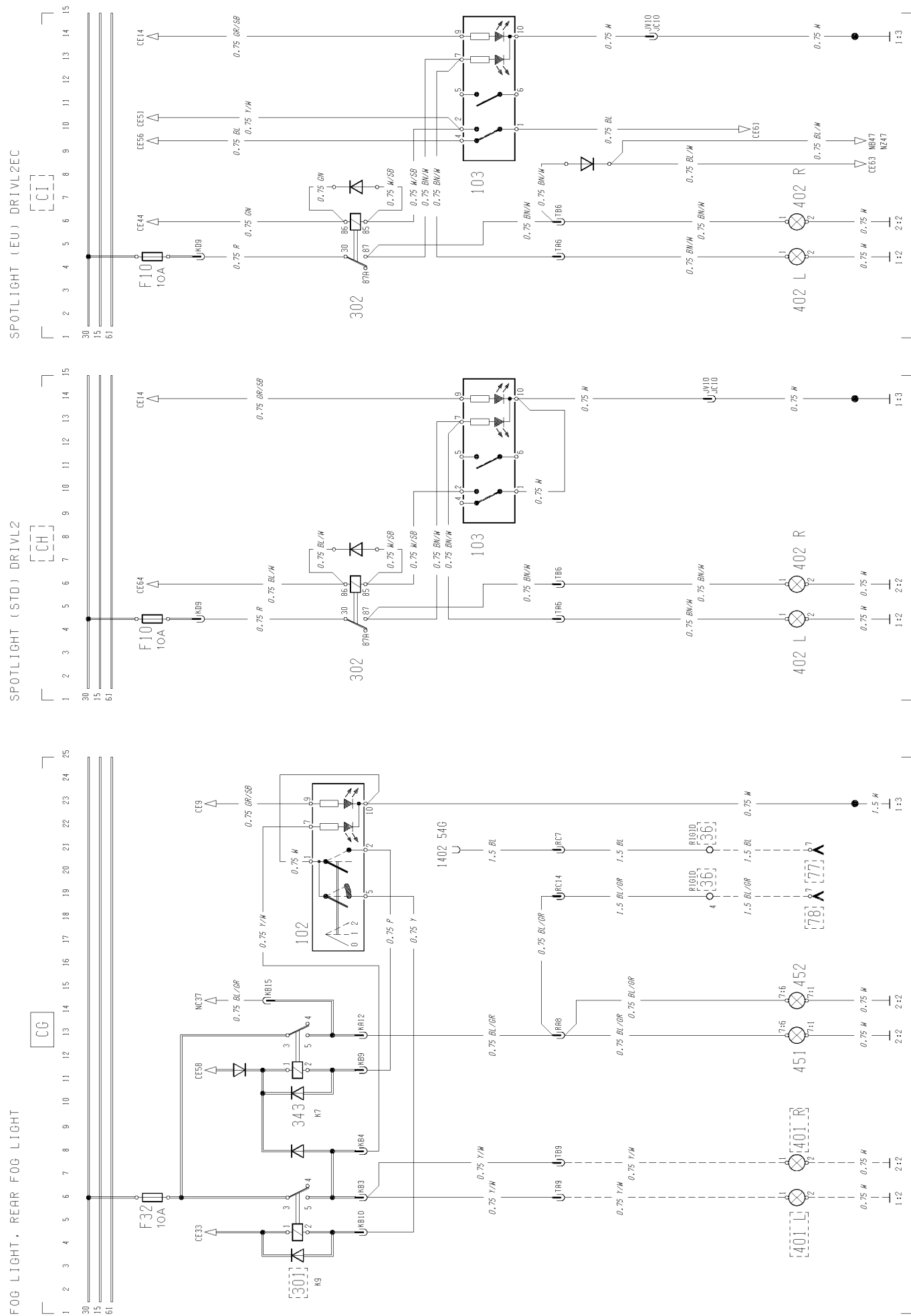
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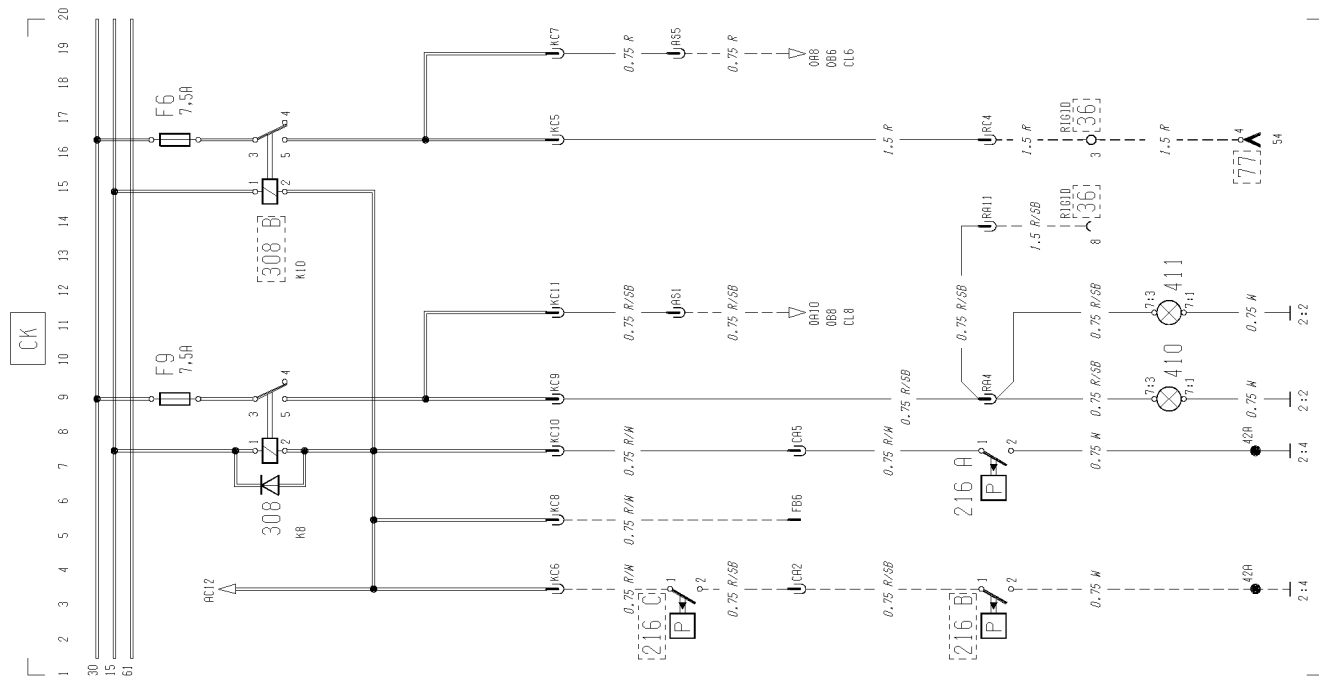
ENGINE ECU. FUEL INJECTION SYSTEM, PREHEATING, FH16.



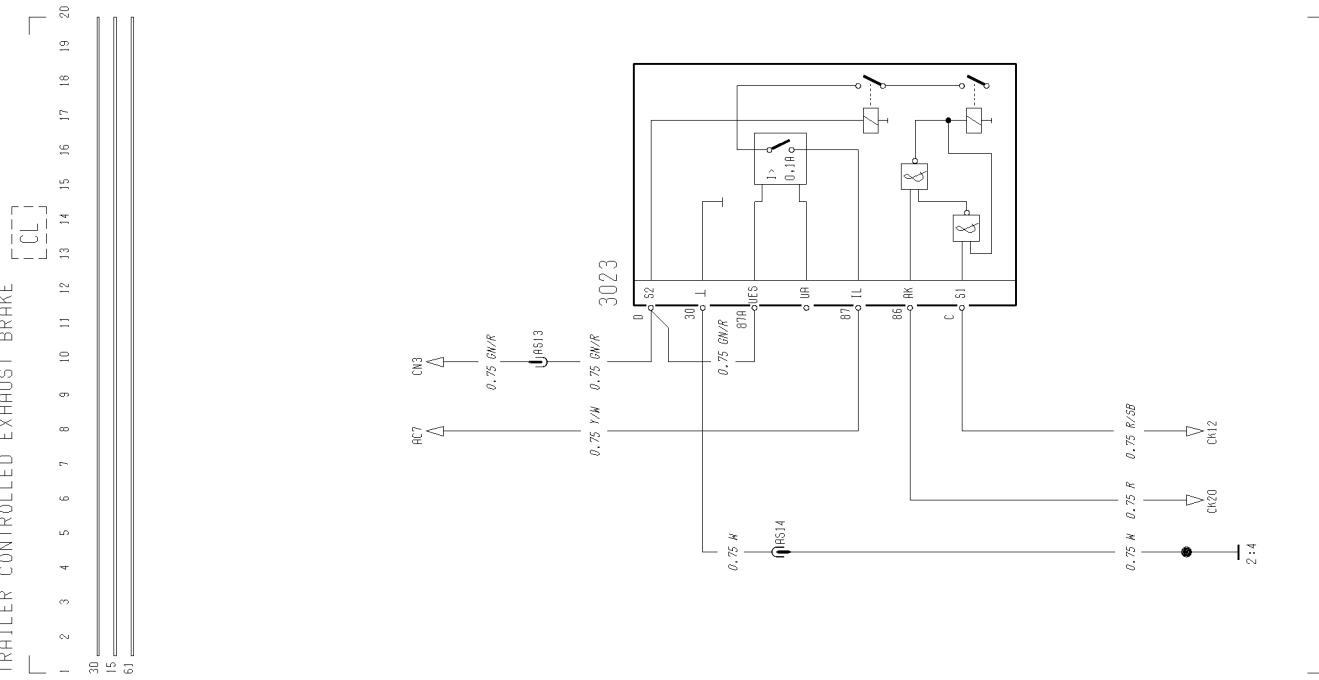




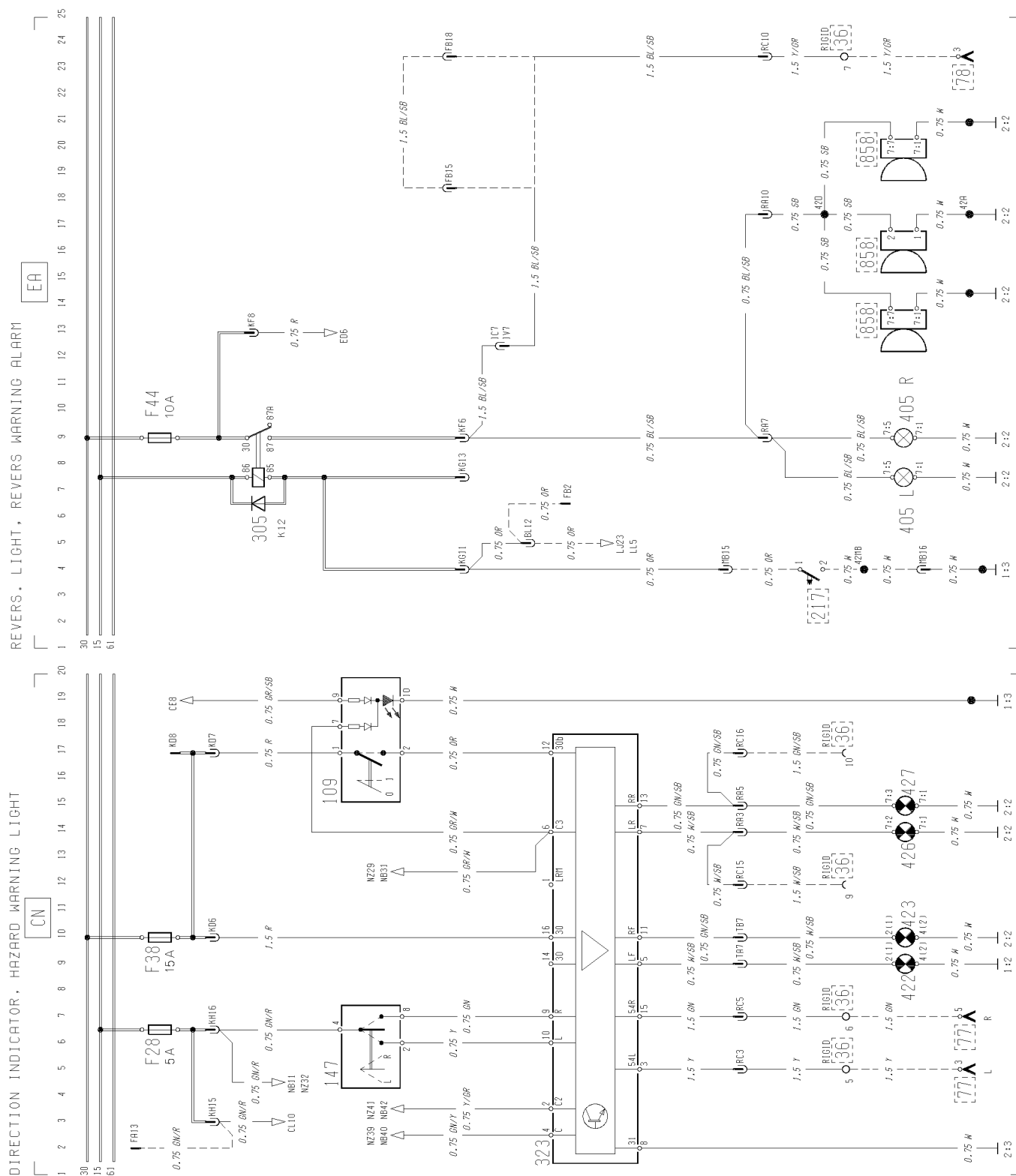
BRAKE LIGHT



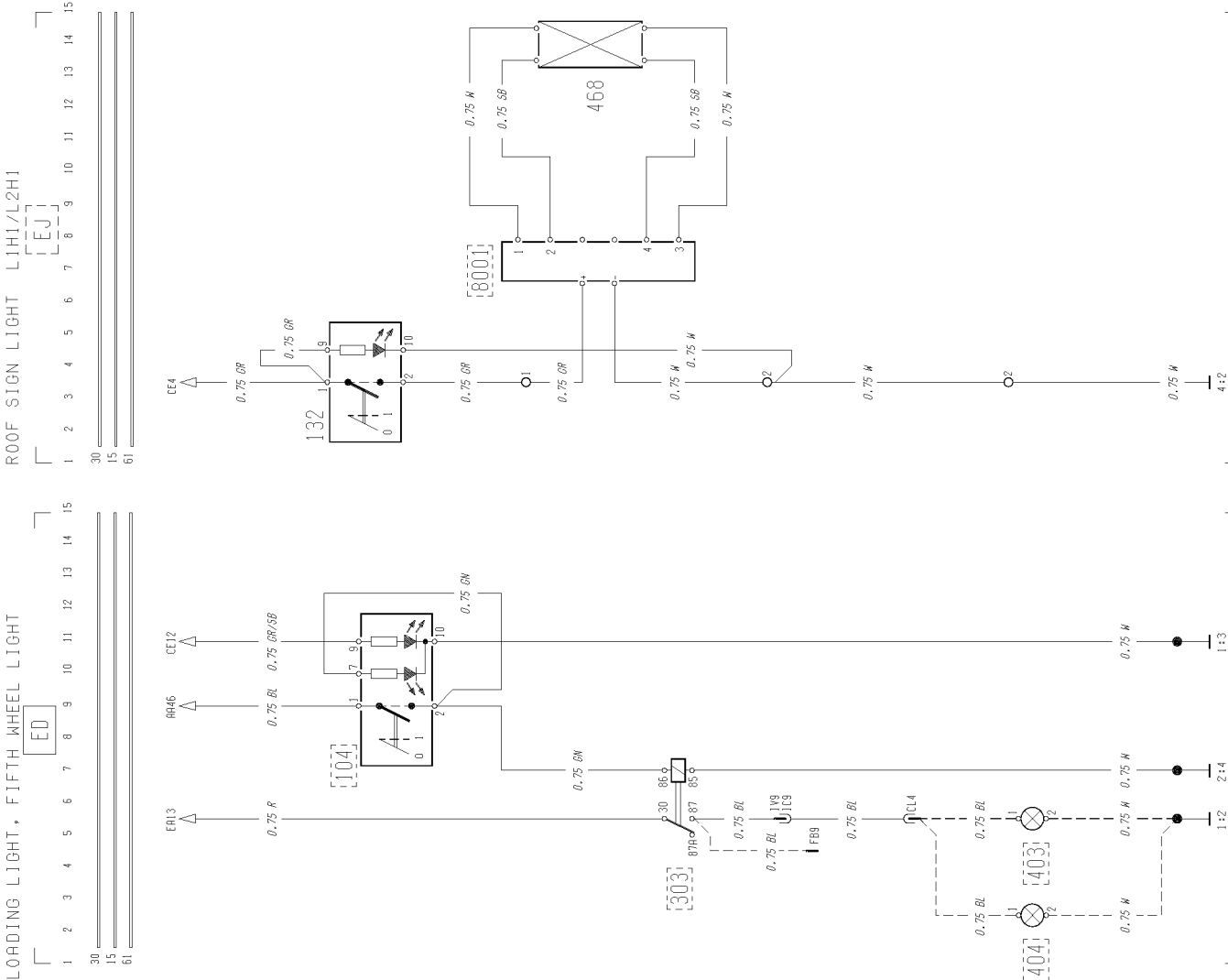
TRAILER CONTROLLED EXHAUST BRAKE



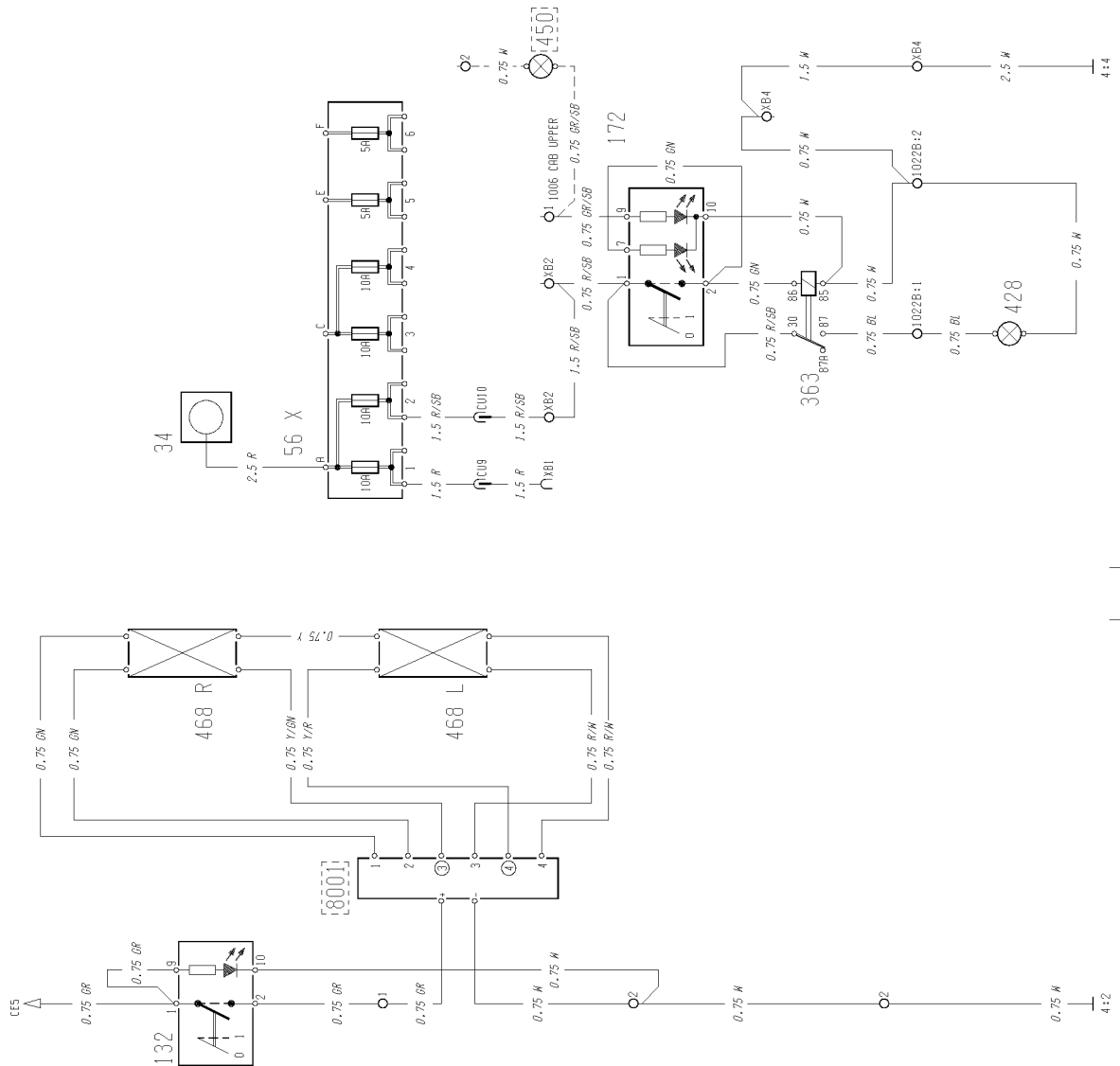
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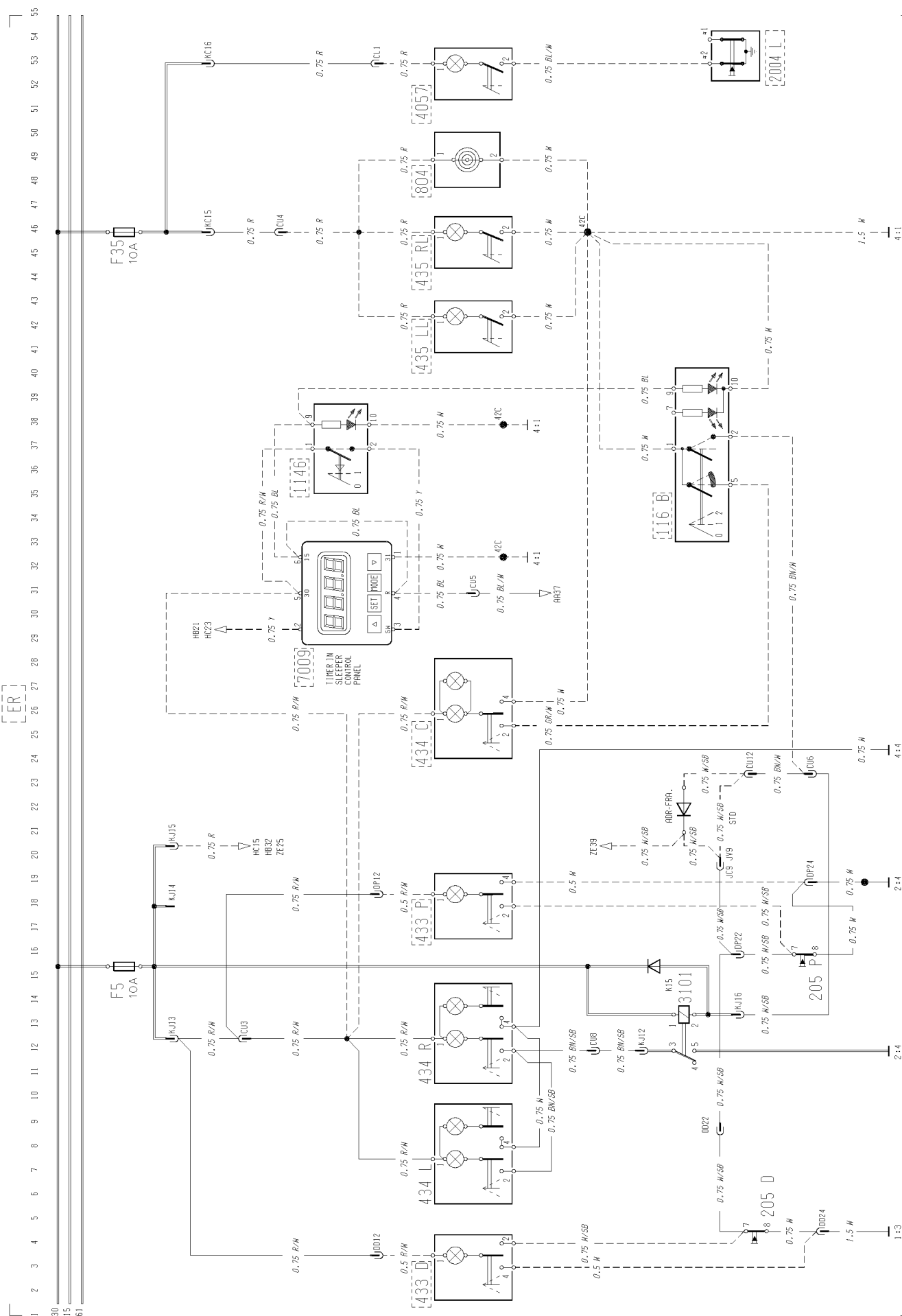


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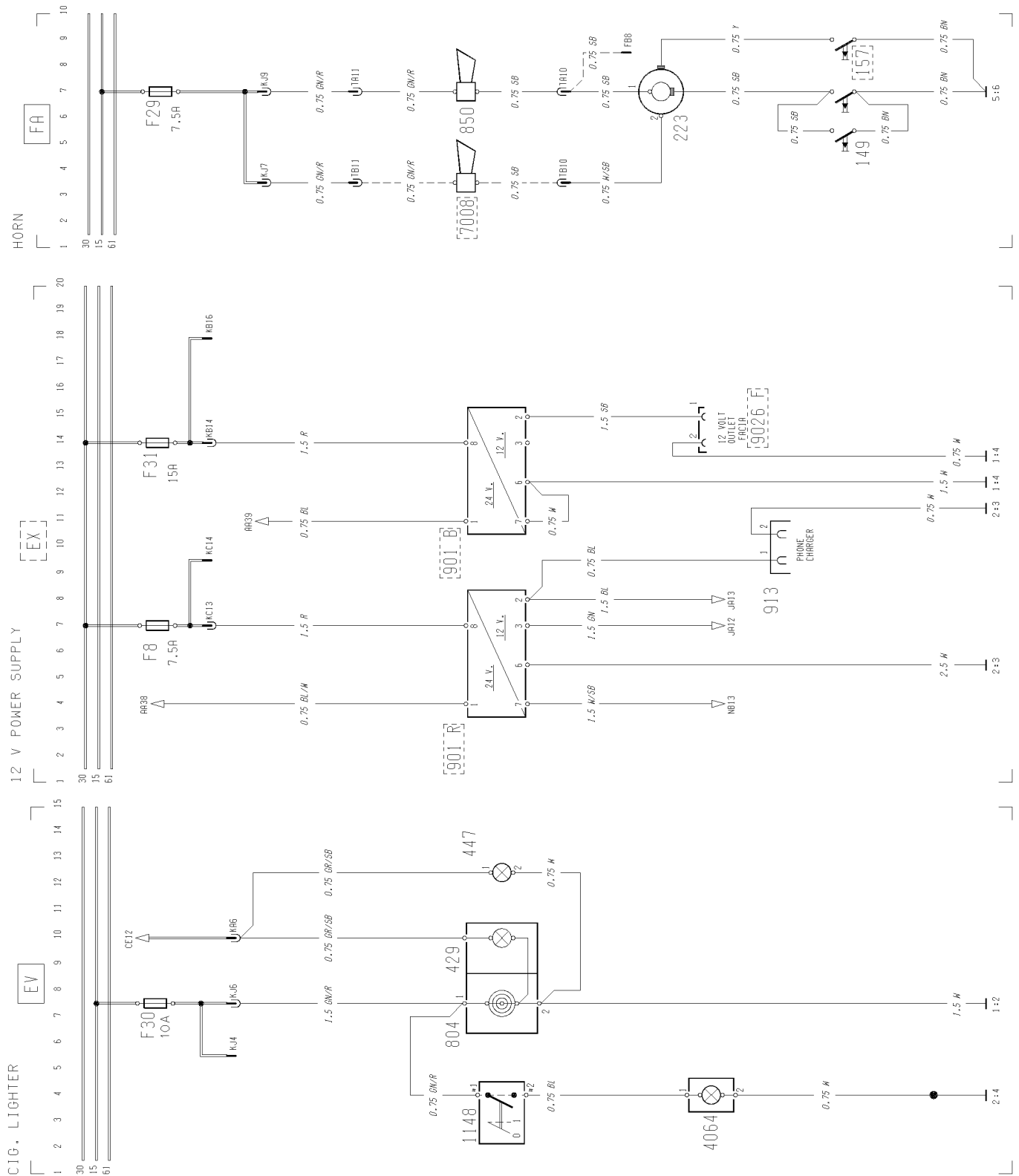


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## INTERIOR LIGHT, L1H1/L2H1, ALARM CLOCK/TIMER

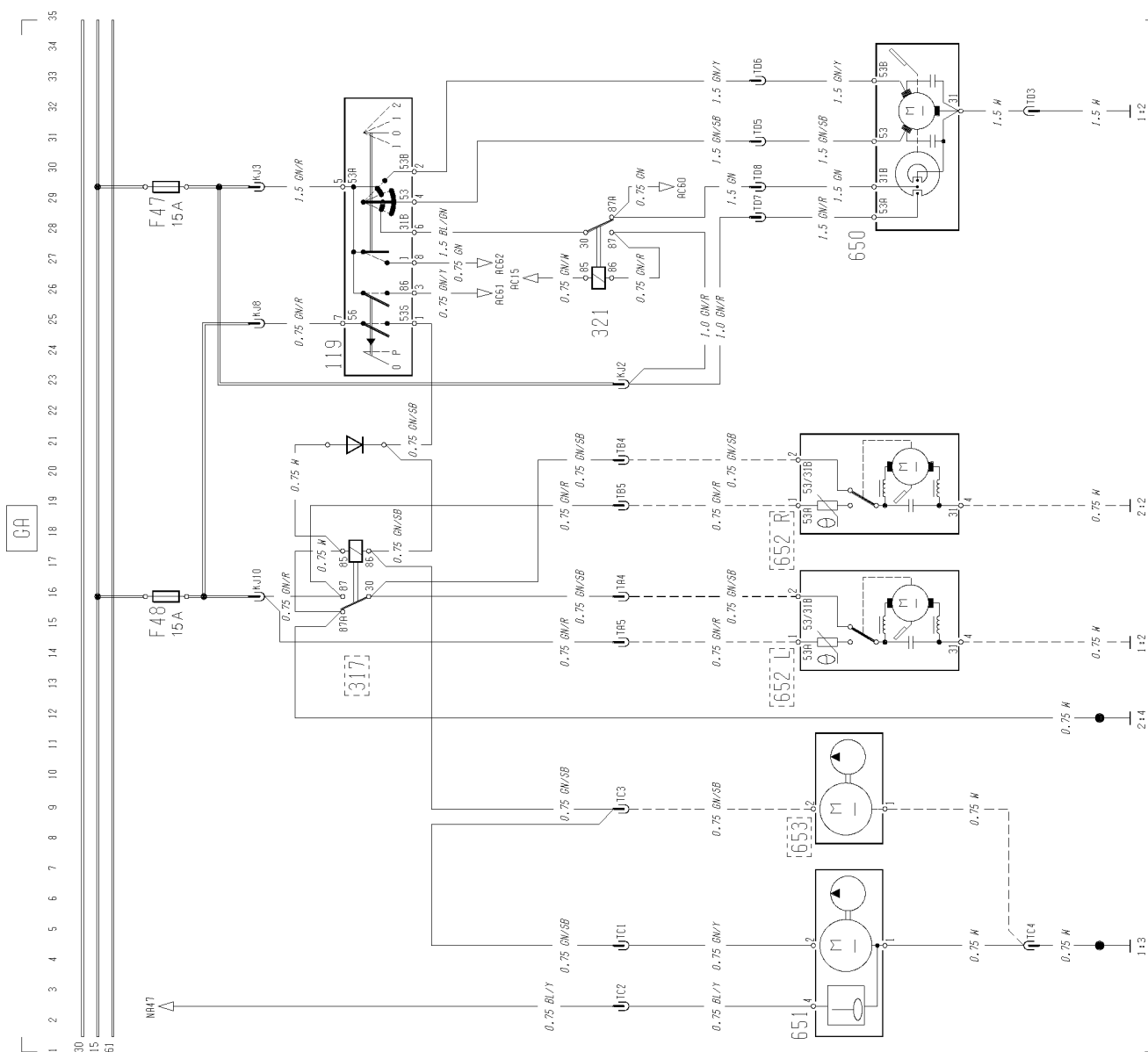




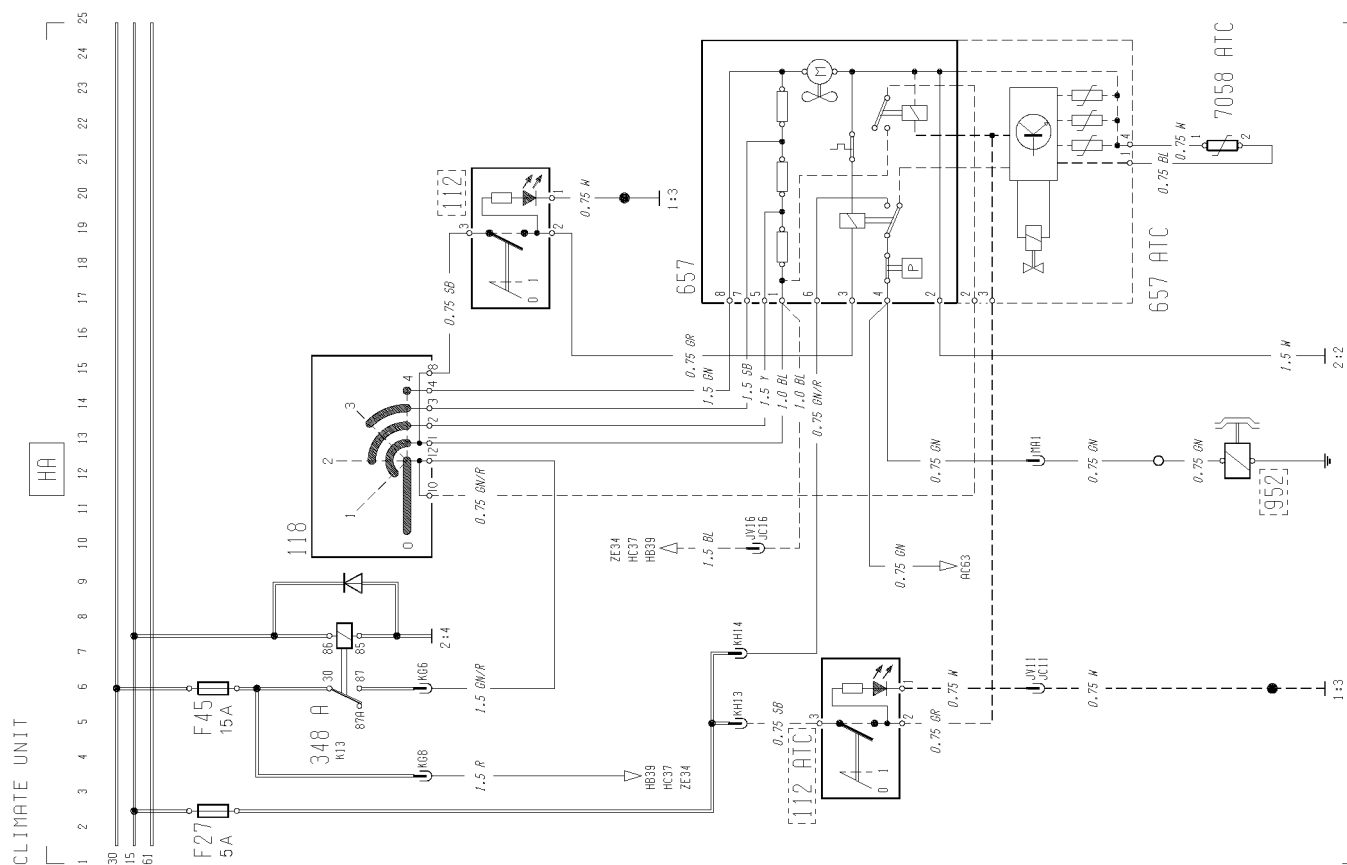


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WIPER, WASHER



T3010032



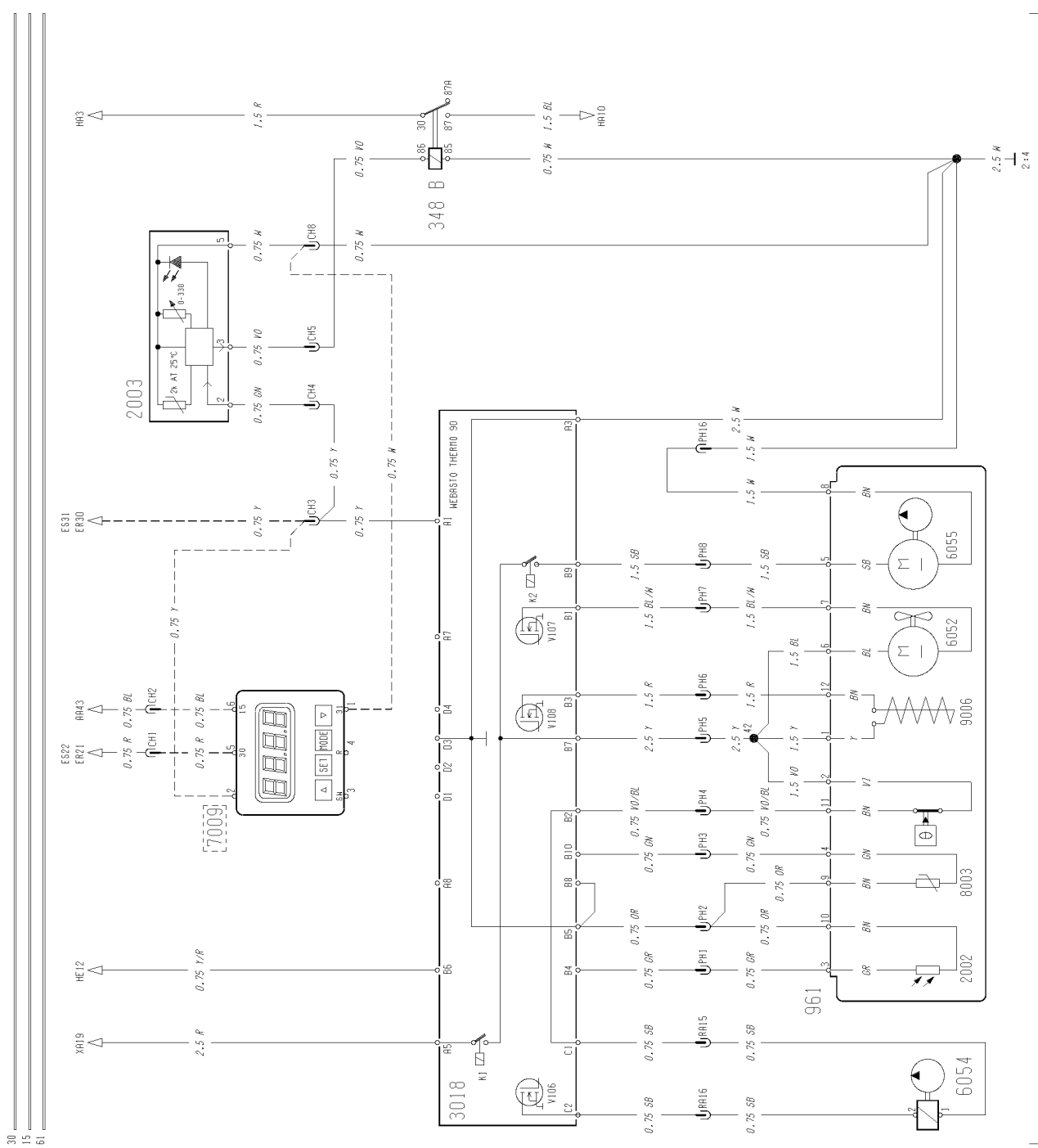
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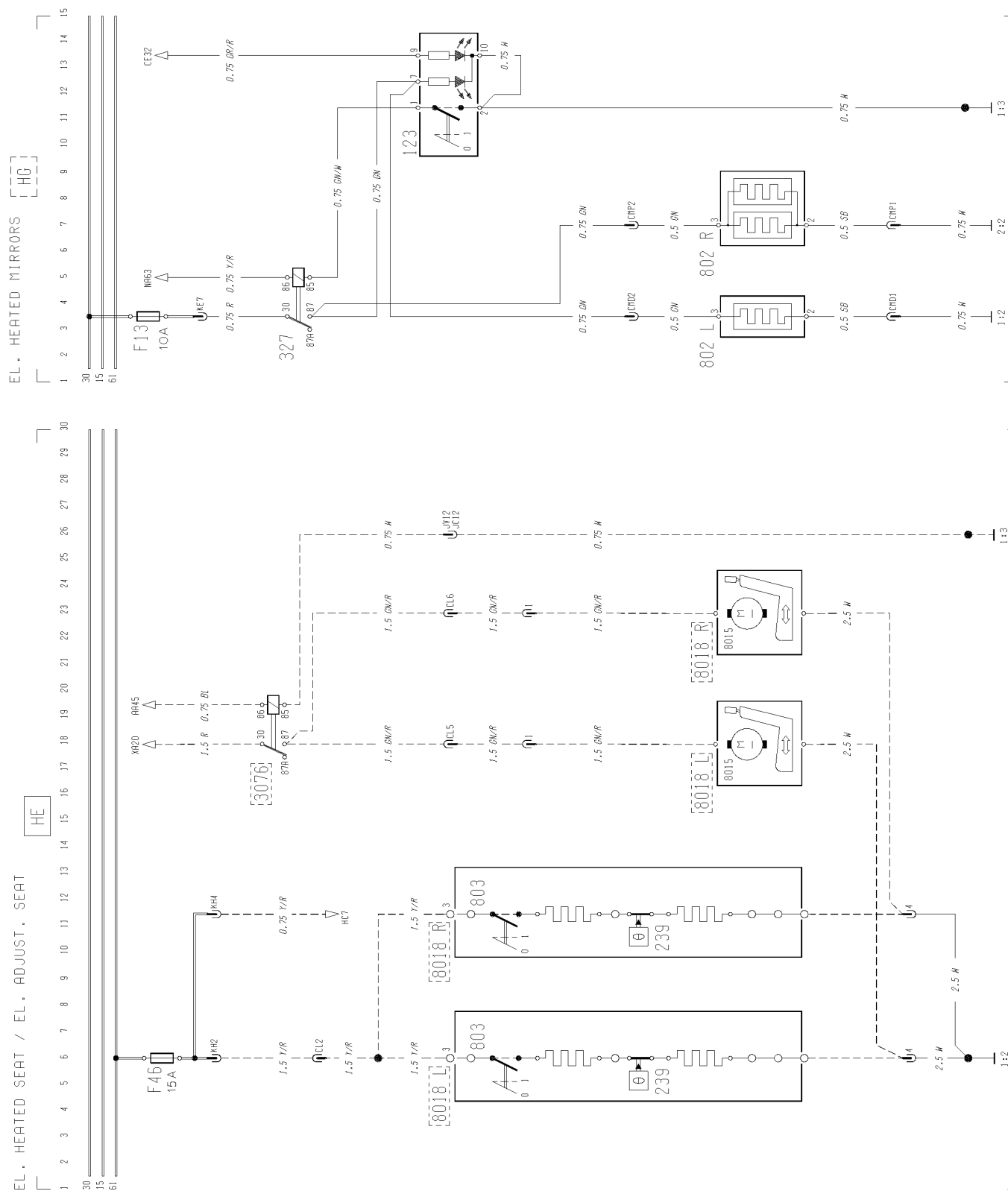
CAB AND ENGINE HEATER, WEBASTO THERMO 90, PH-ENGCH

[HC]

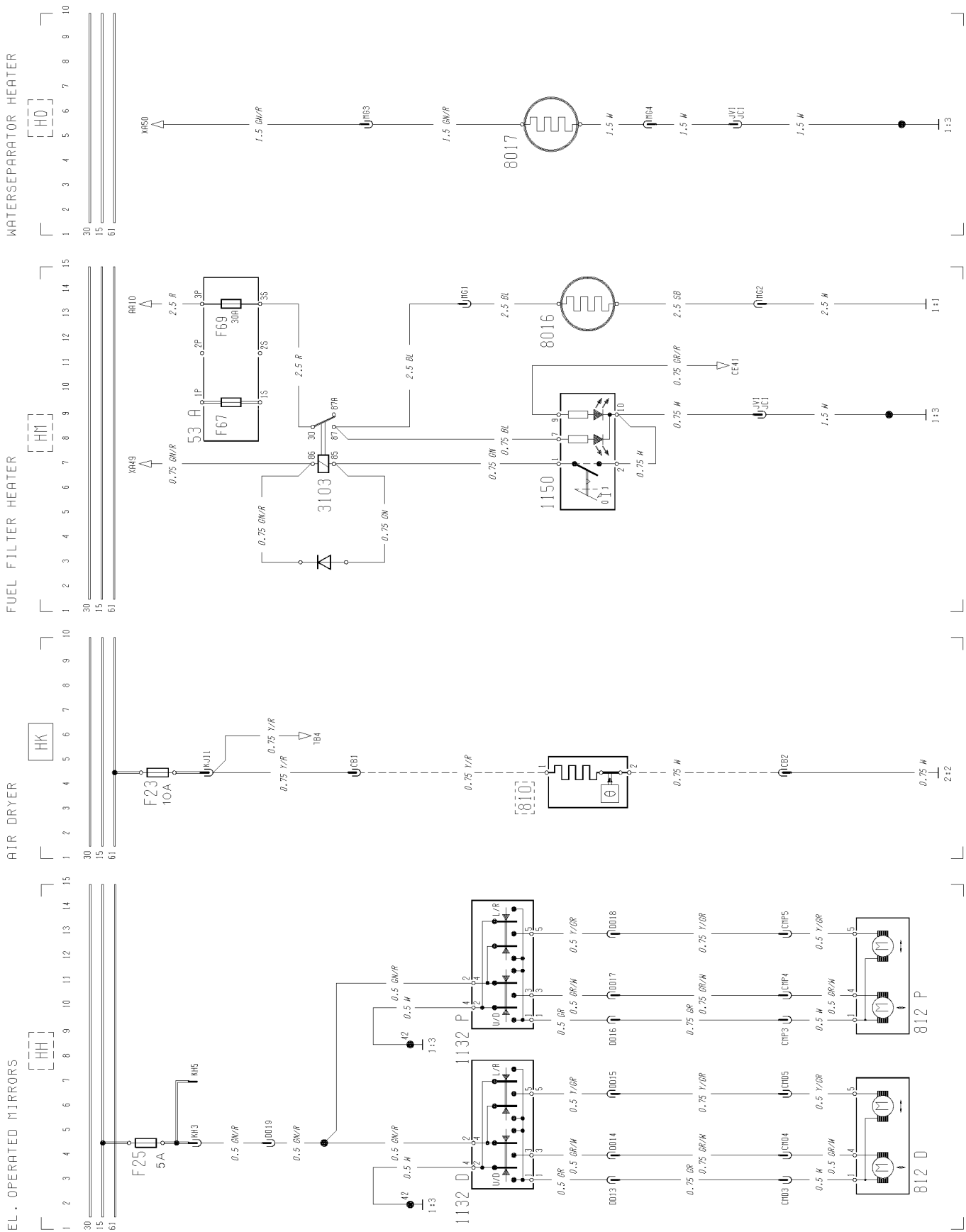
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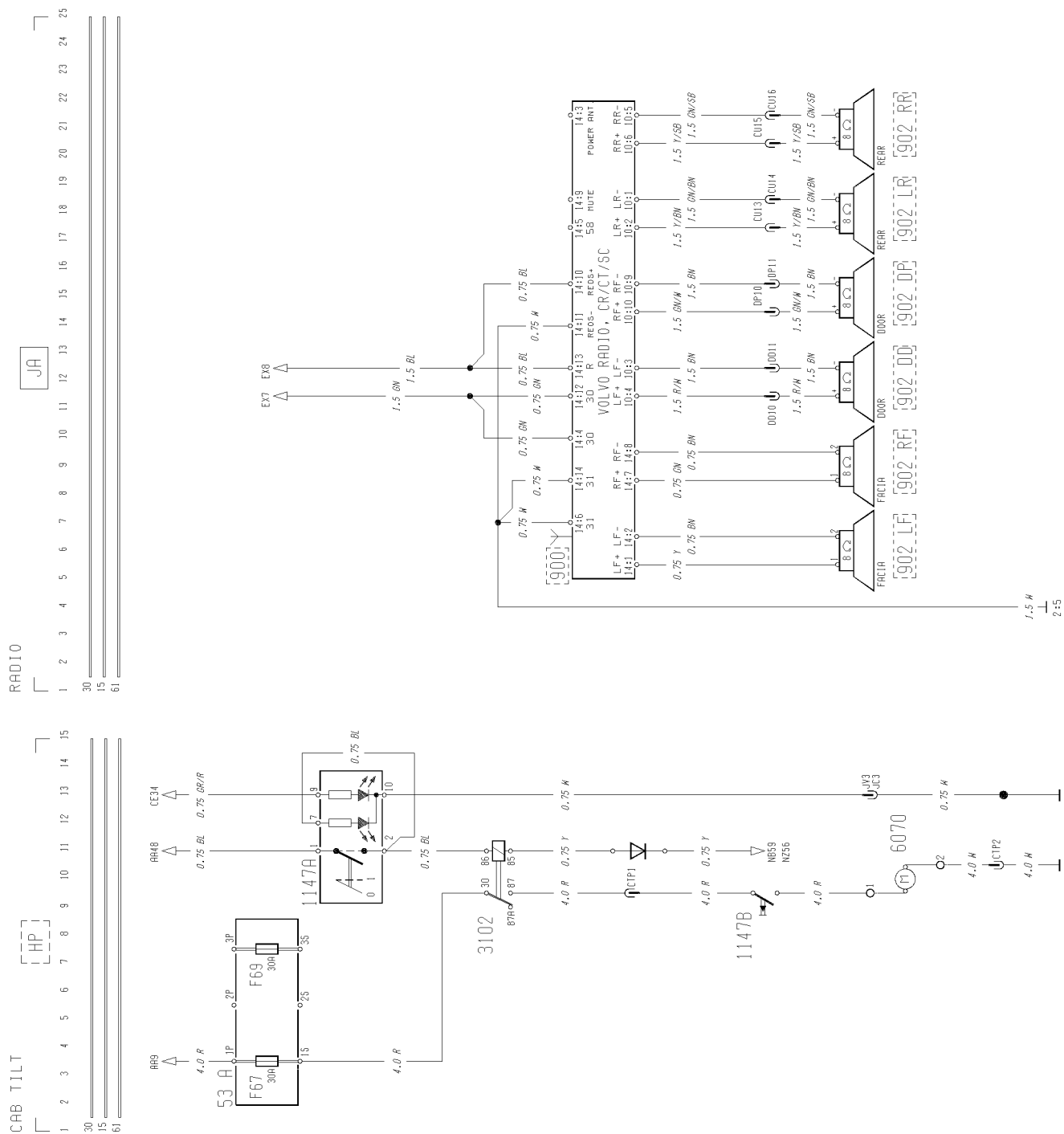
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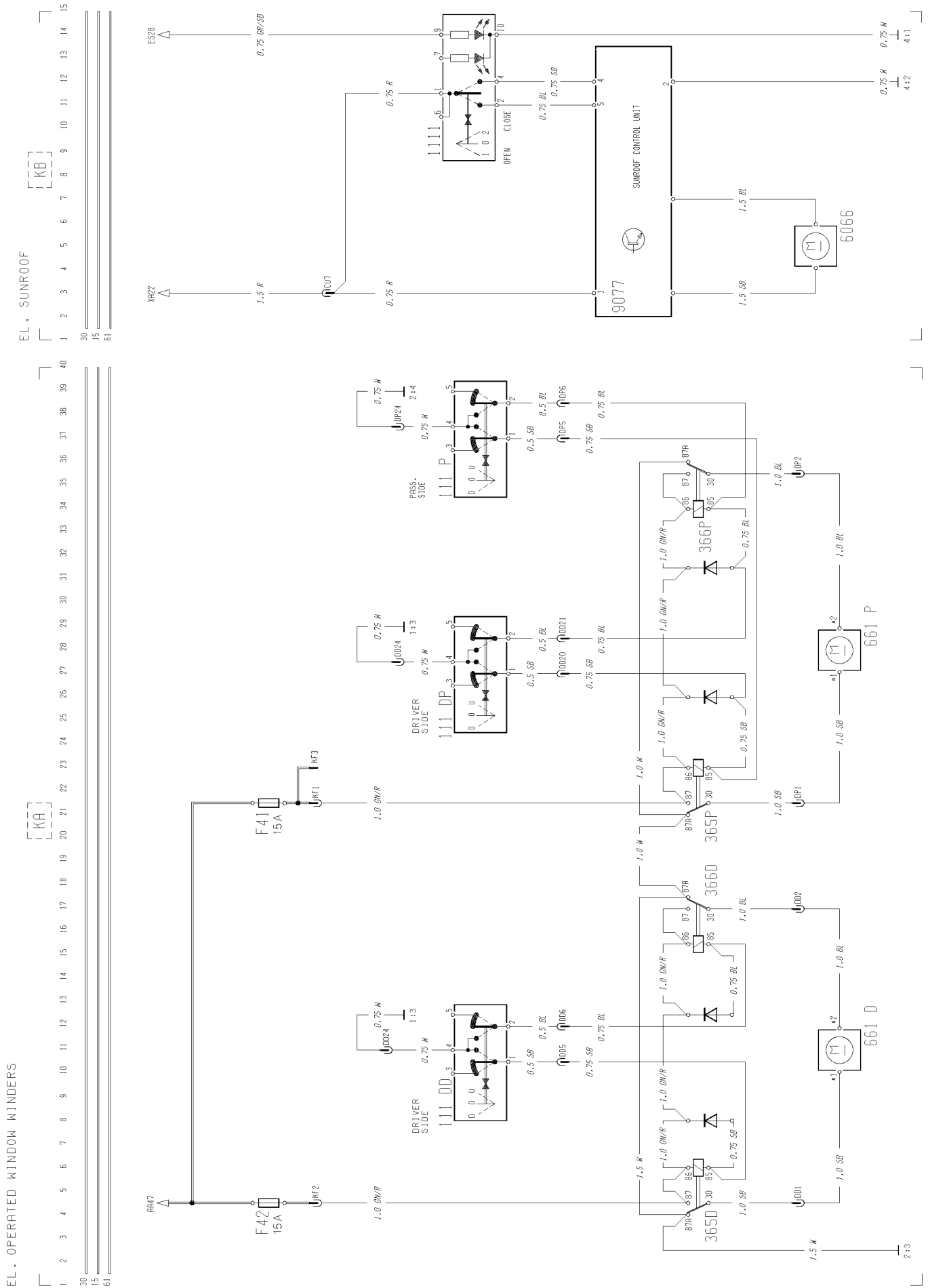
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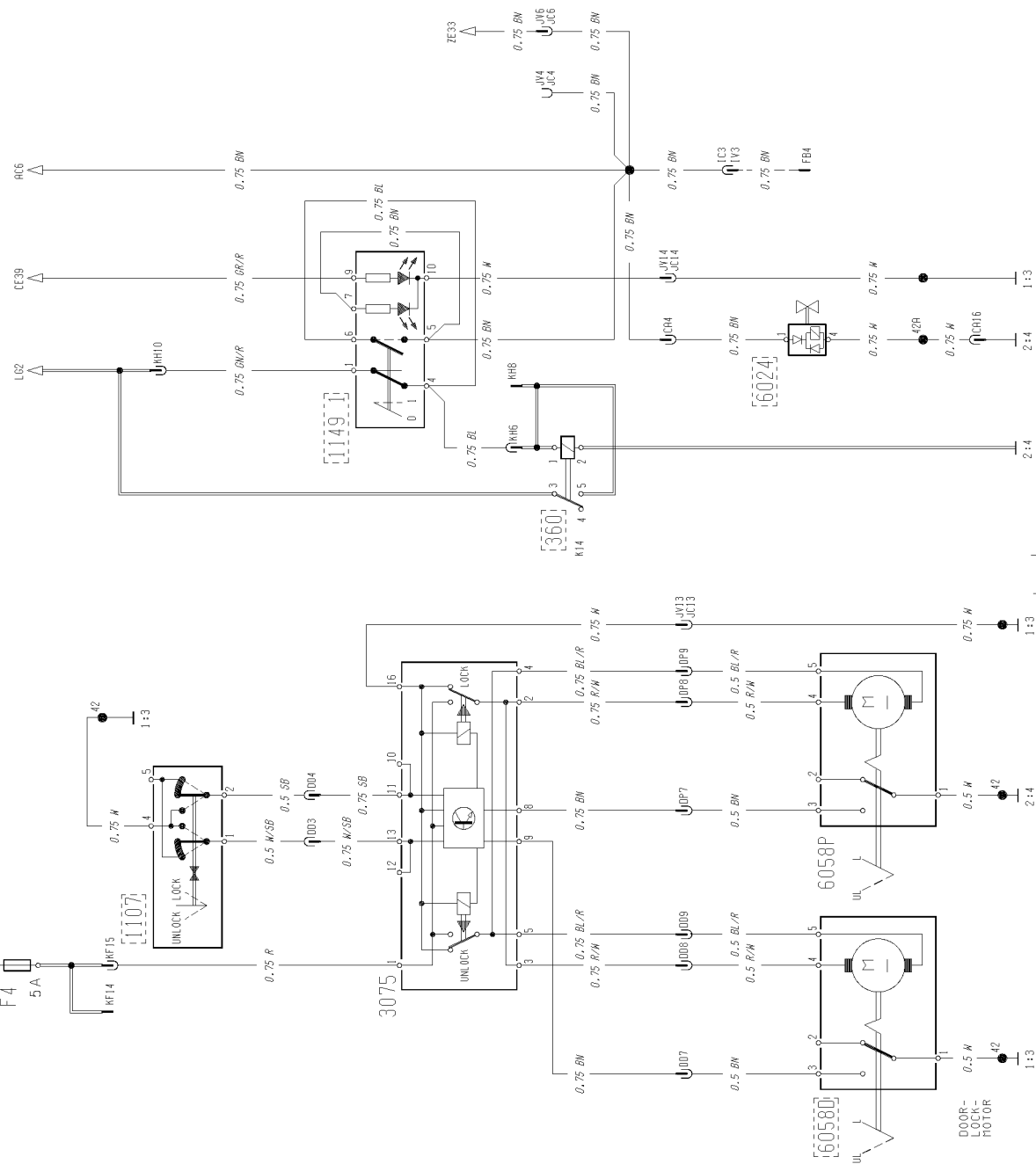
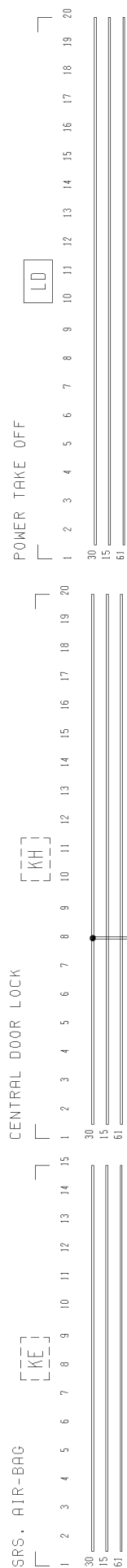
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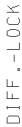


SRS, AIR-BAG

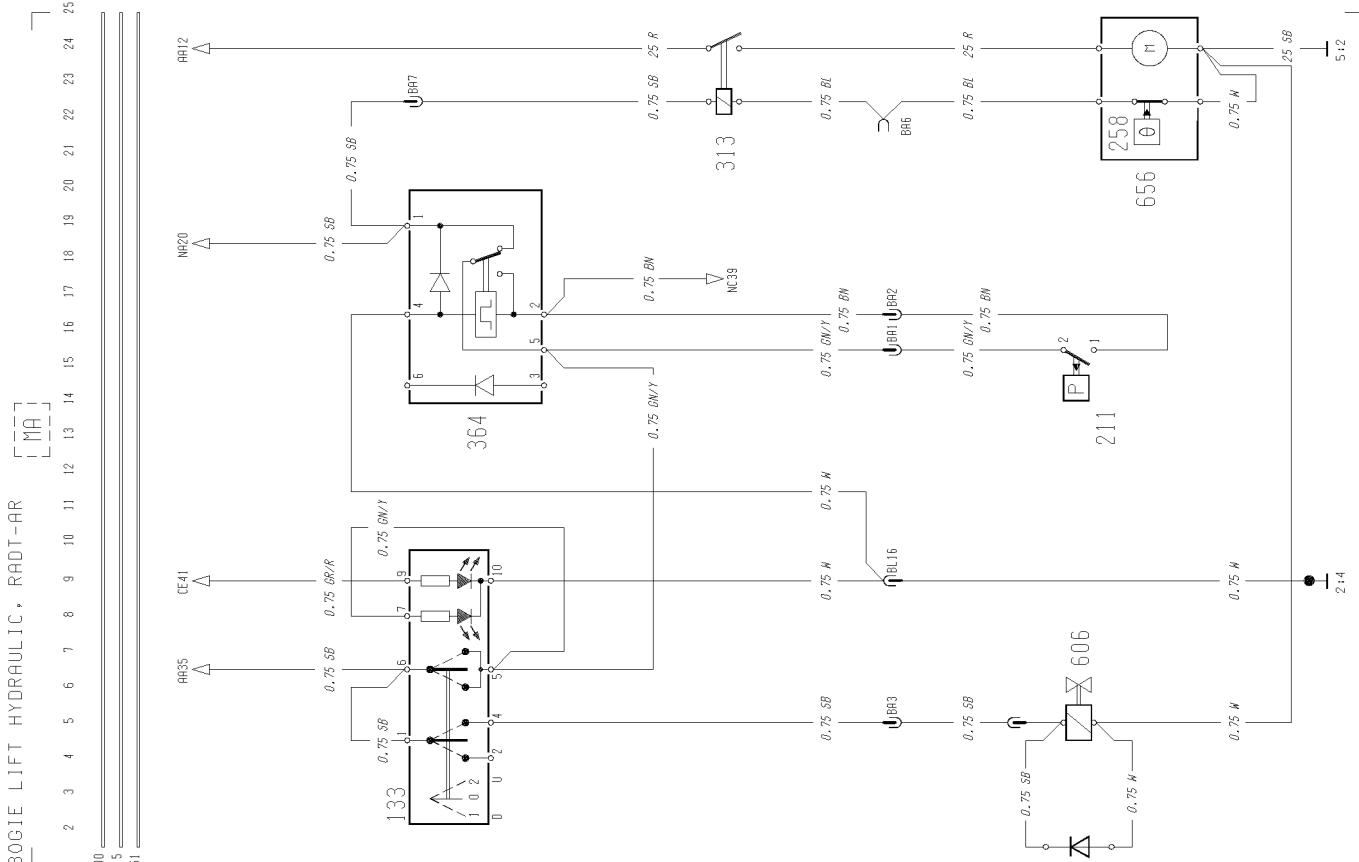
CENTRAL DOOR LOCK

POWER TAKE OFF



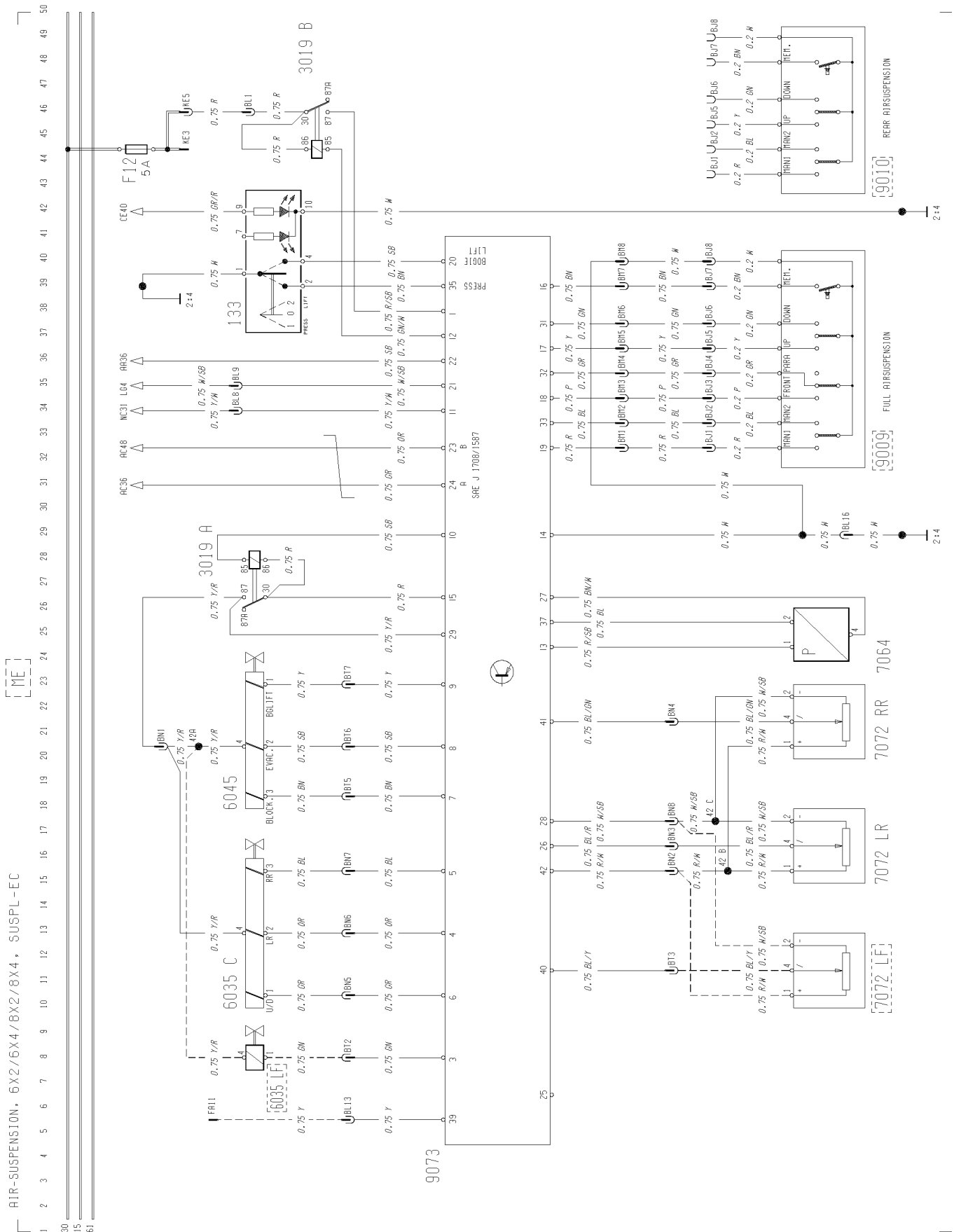




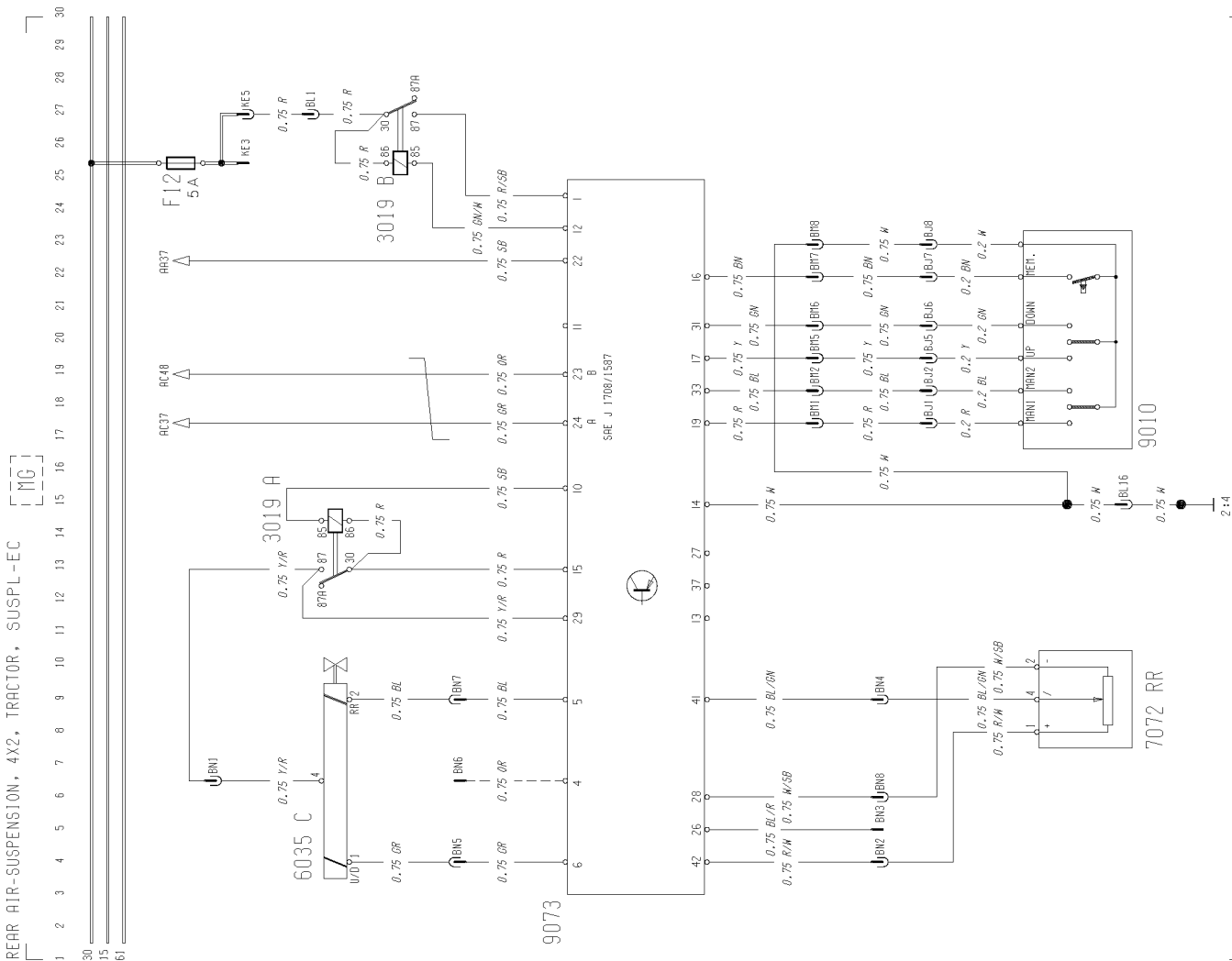


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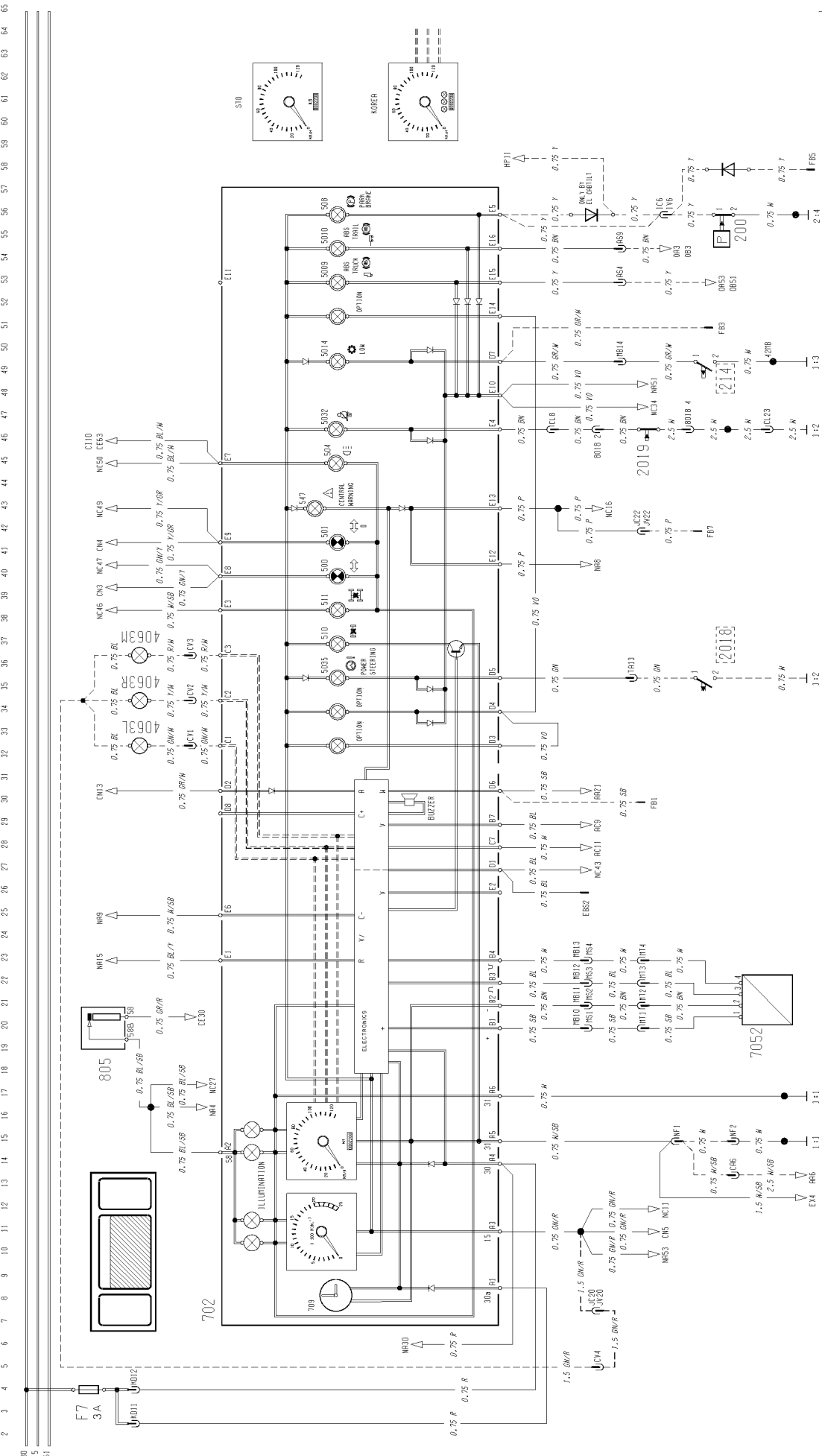




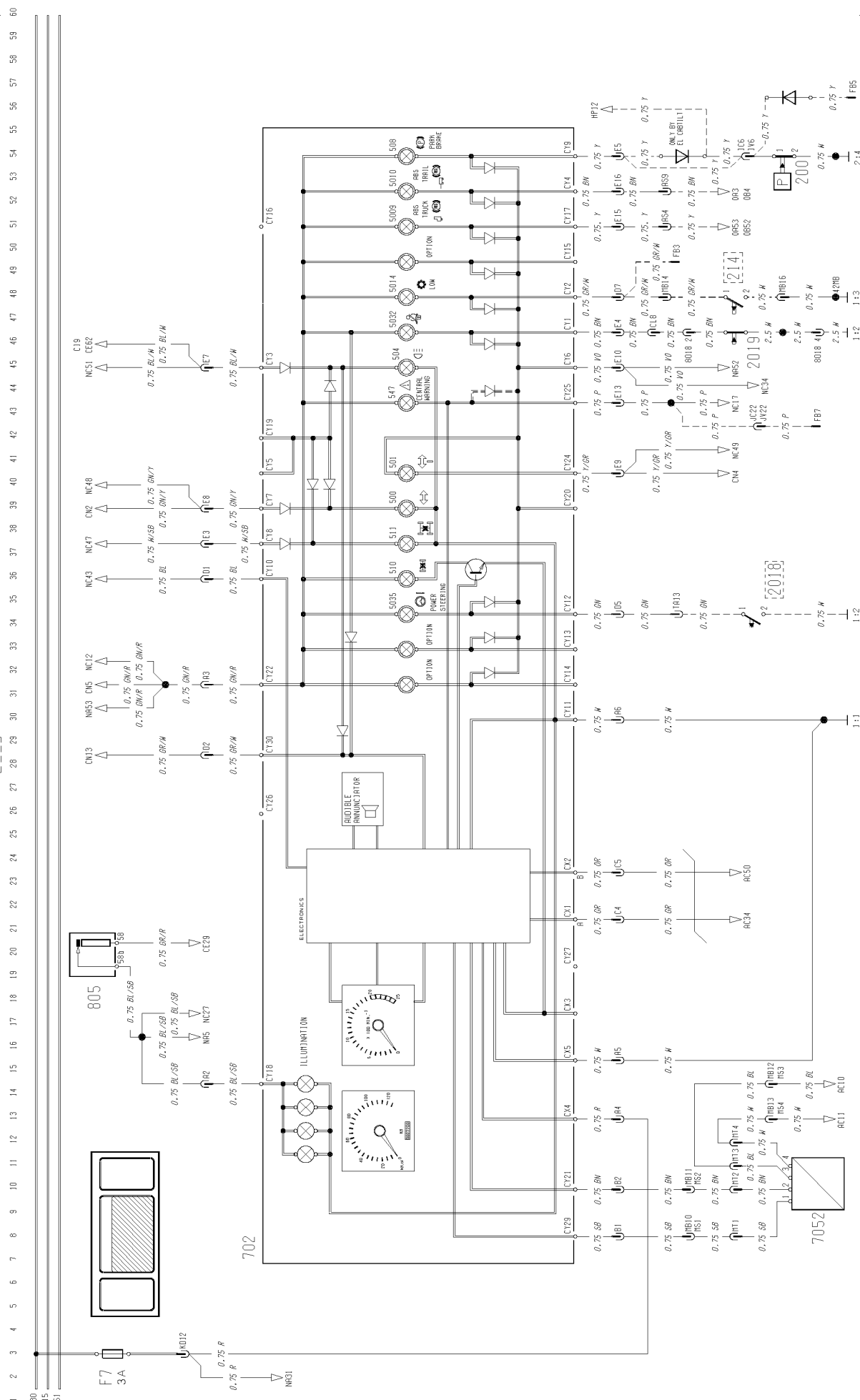




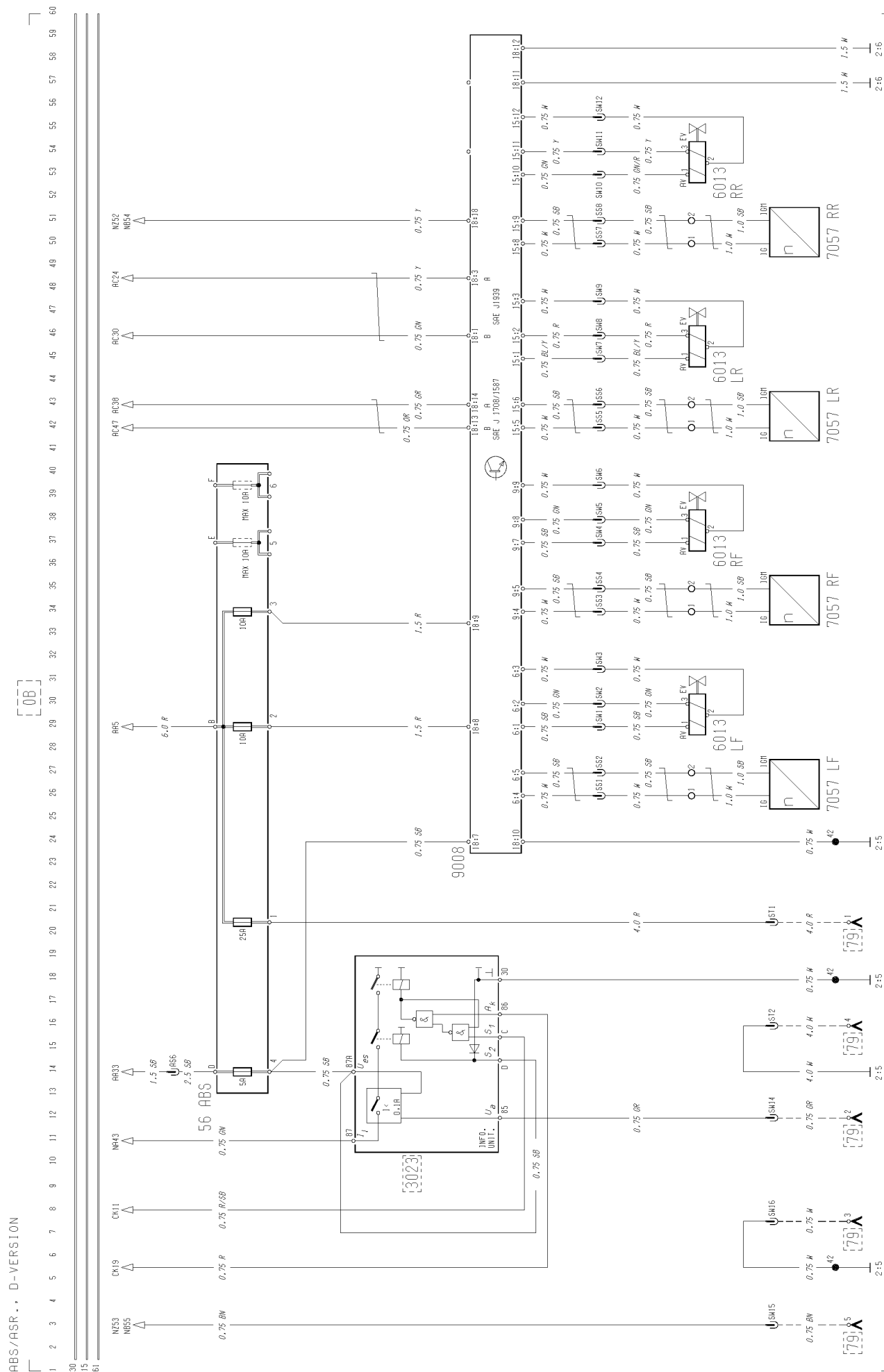
## INSTRUMENT, CENTRE MODULE WITH TACHOGRAPH











HEADLIGHT LEVEL CONTROL

[PA]



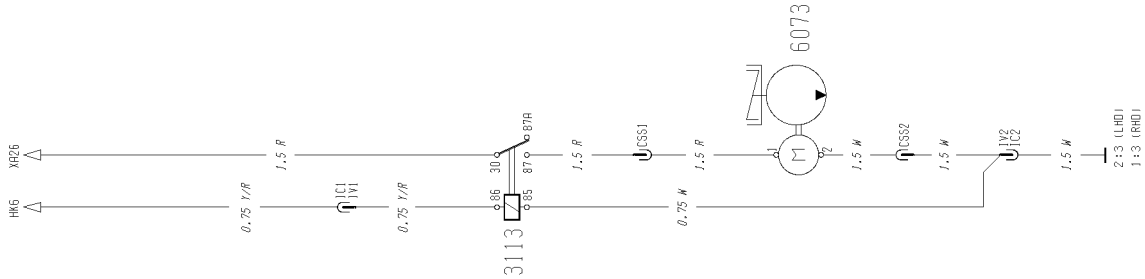
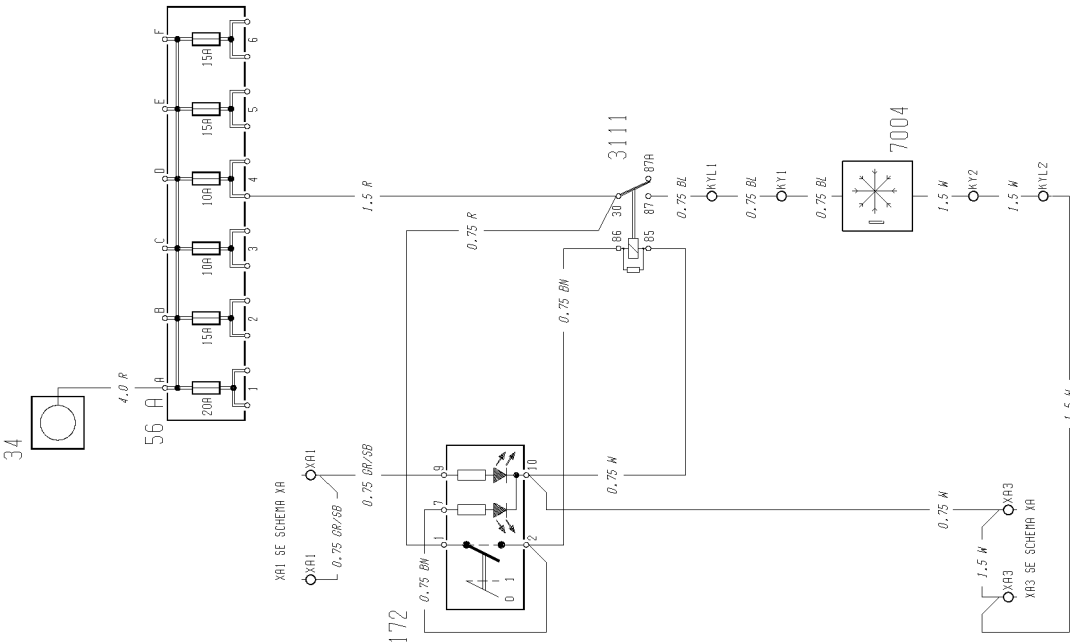
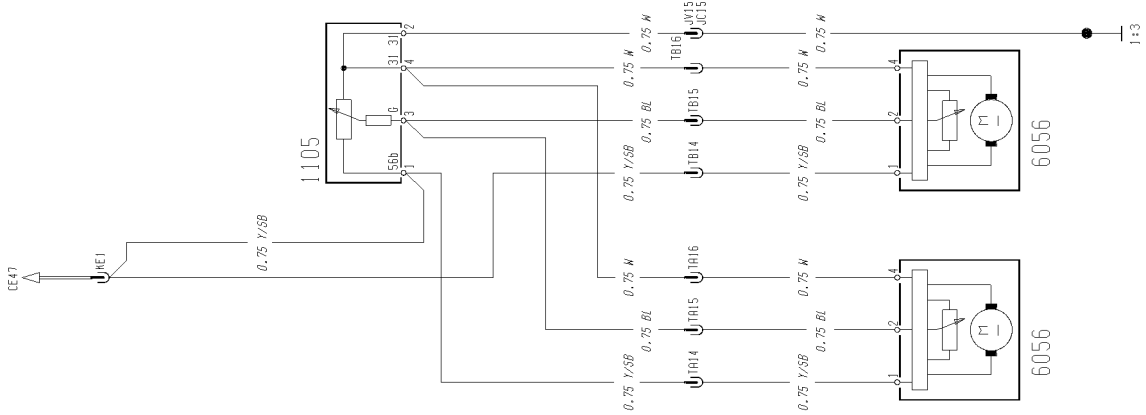
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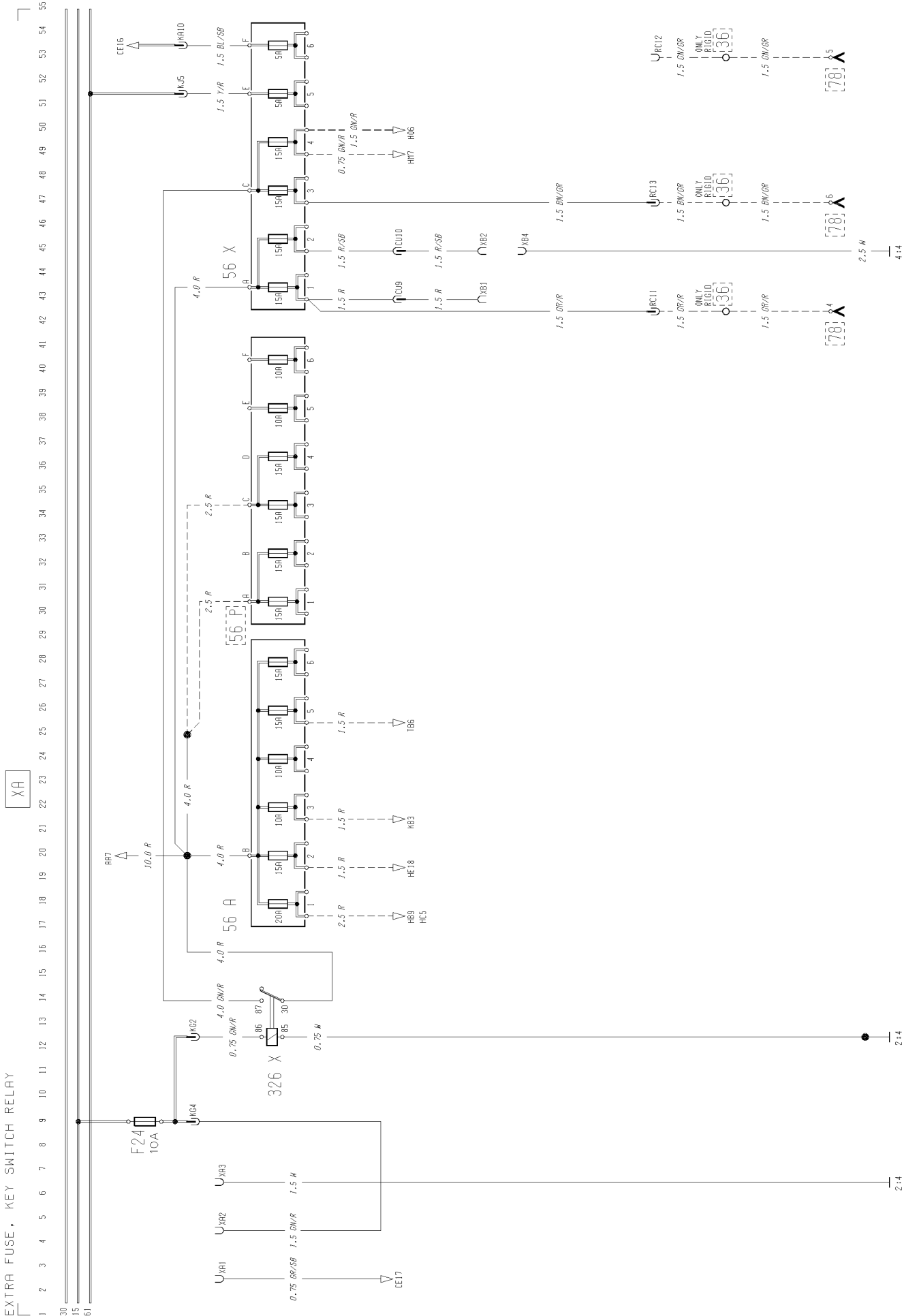
[TA]



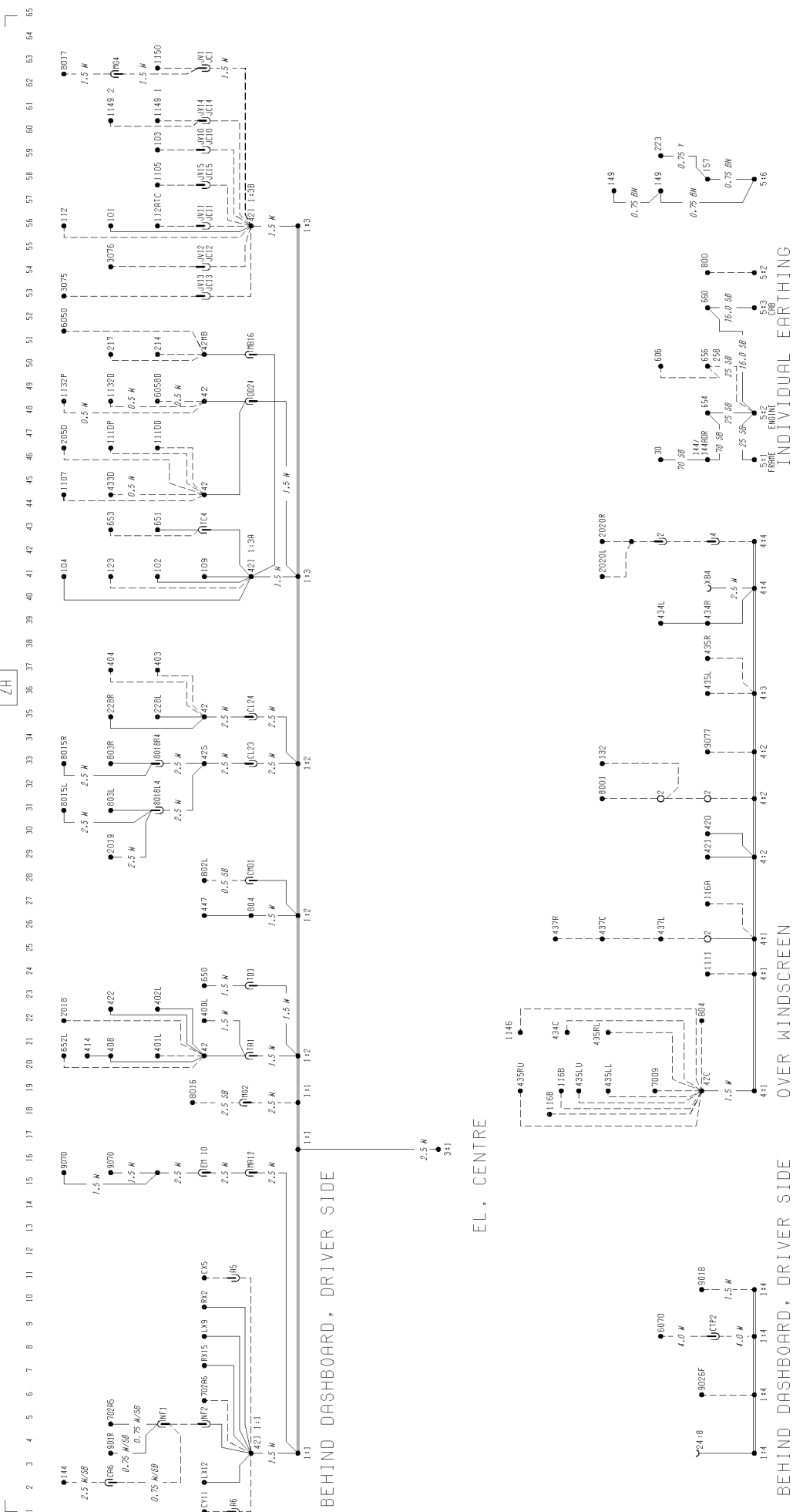
CENTRAL LUBR. SYSTEM

[TB]





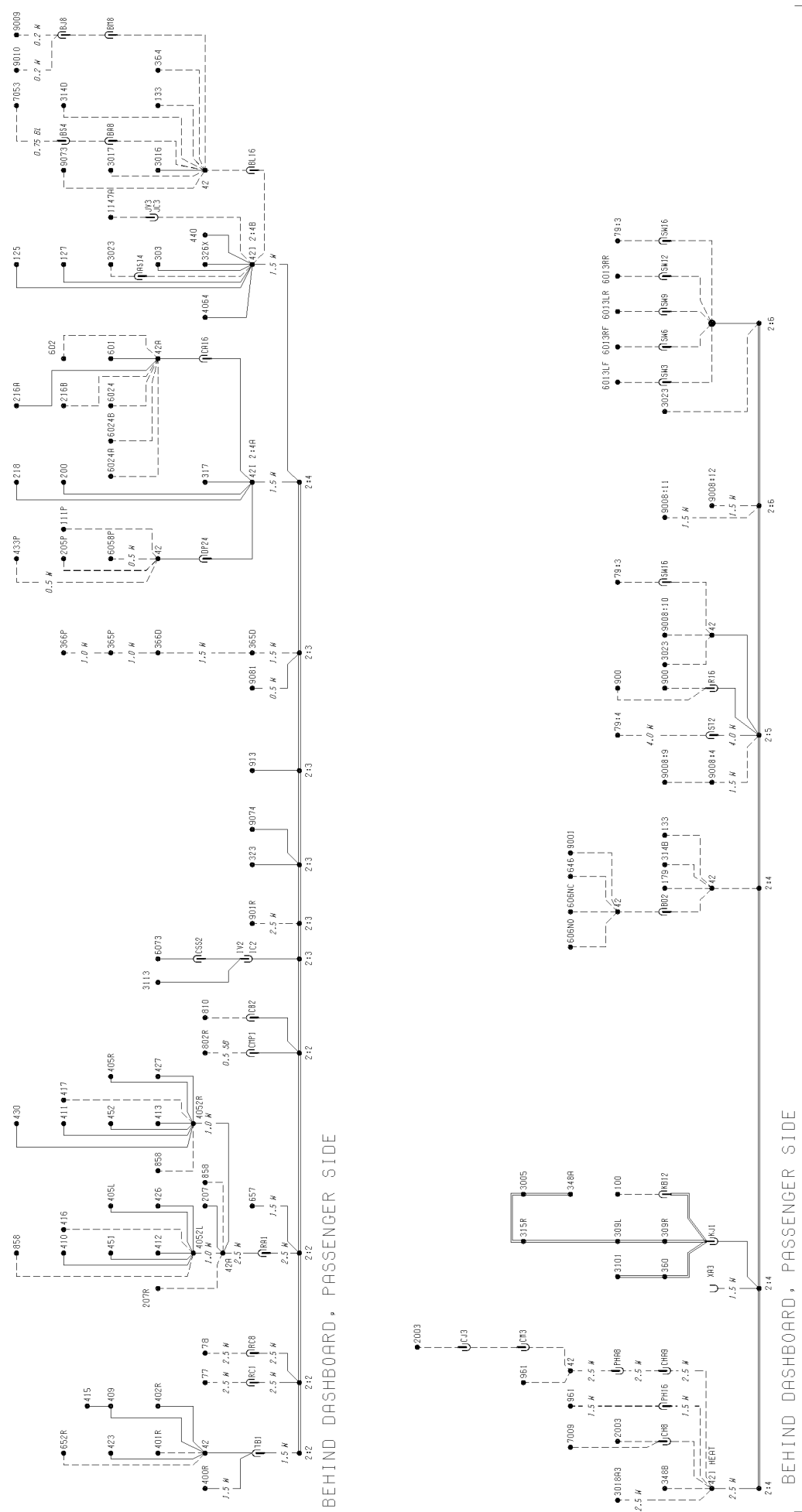
## EARTH CONNECTIONS

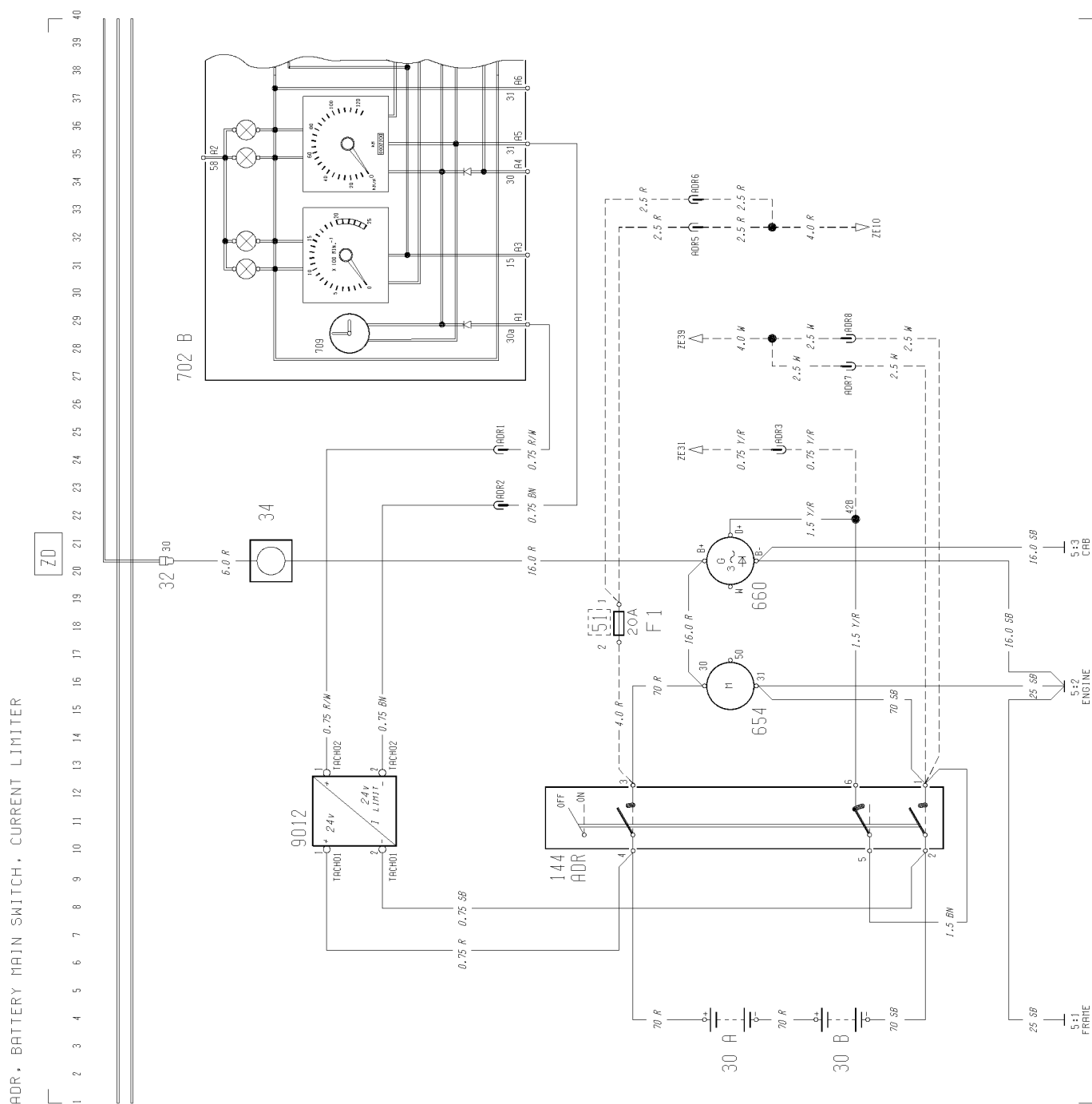


EARTH CONNECTIONS

ZB

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65





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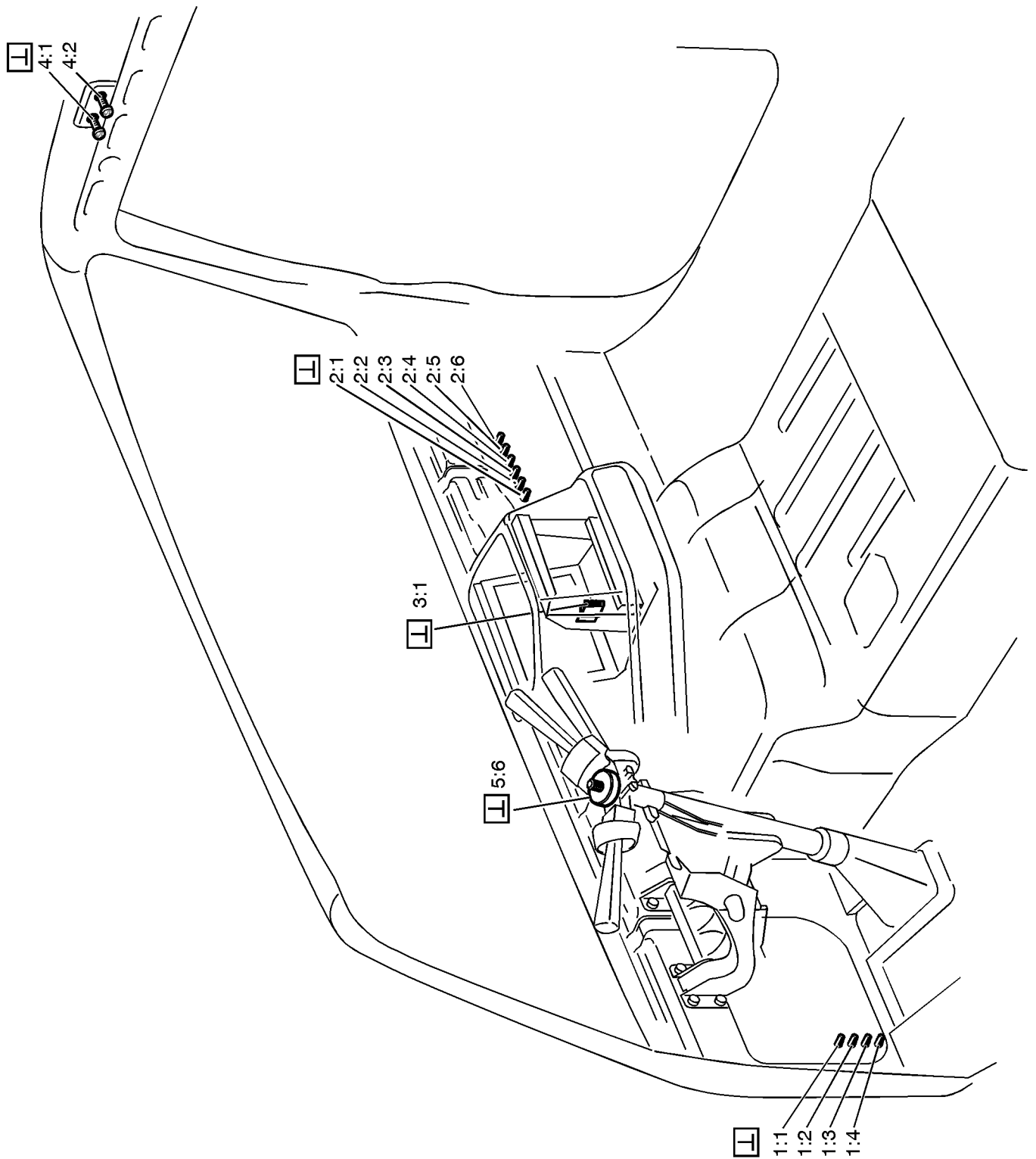


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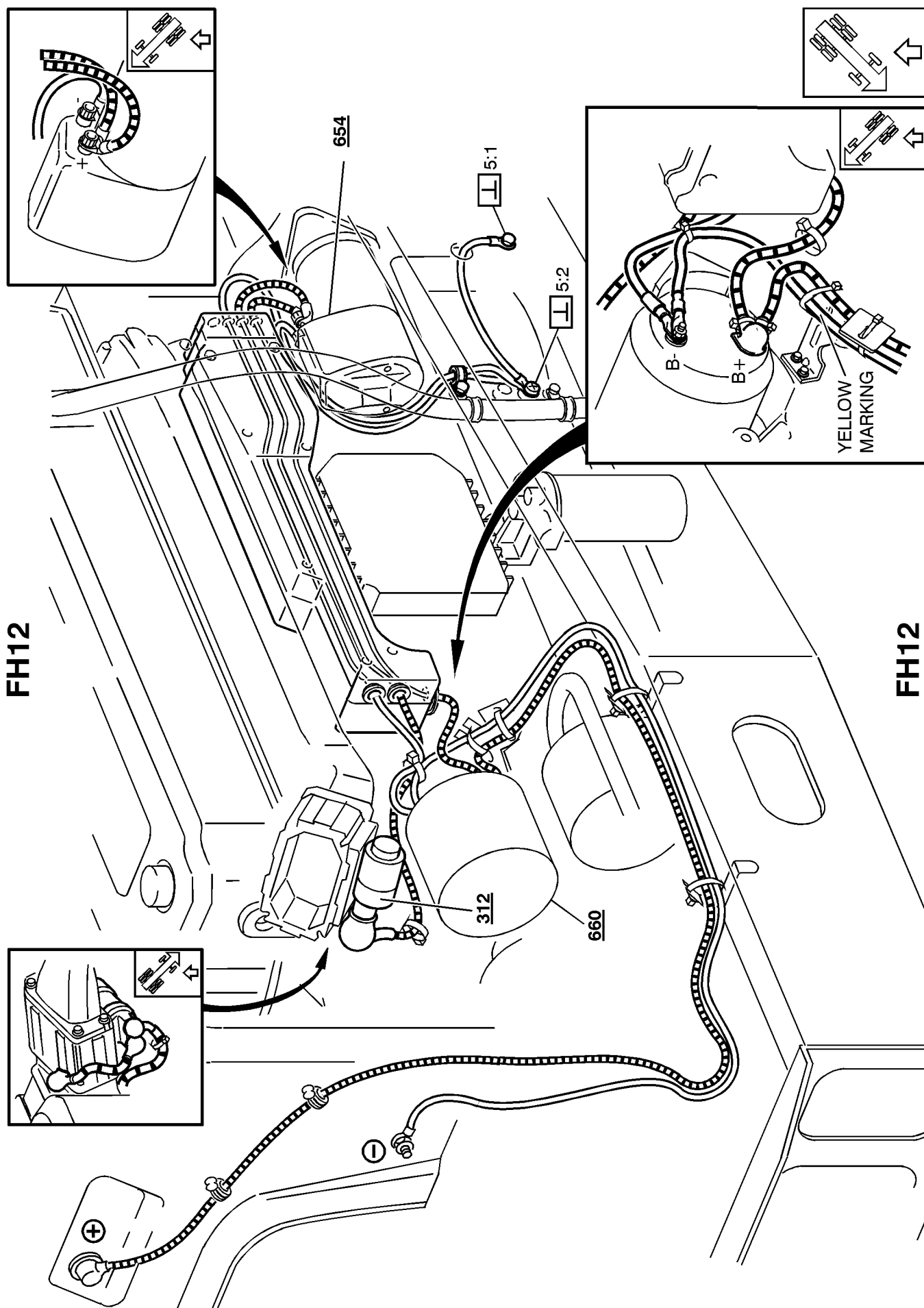
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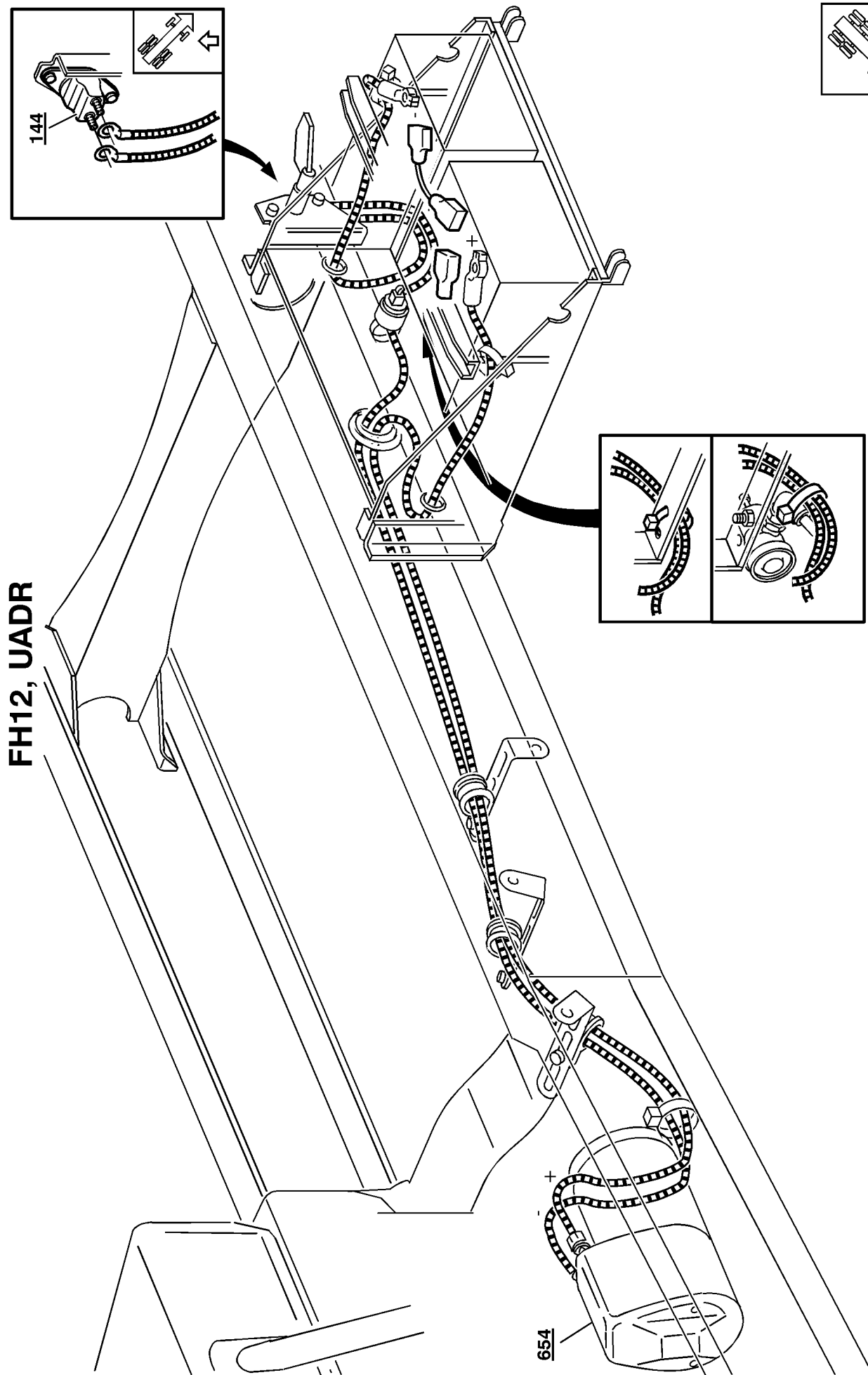
|      |                                                                  |          |
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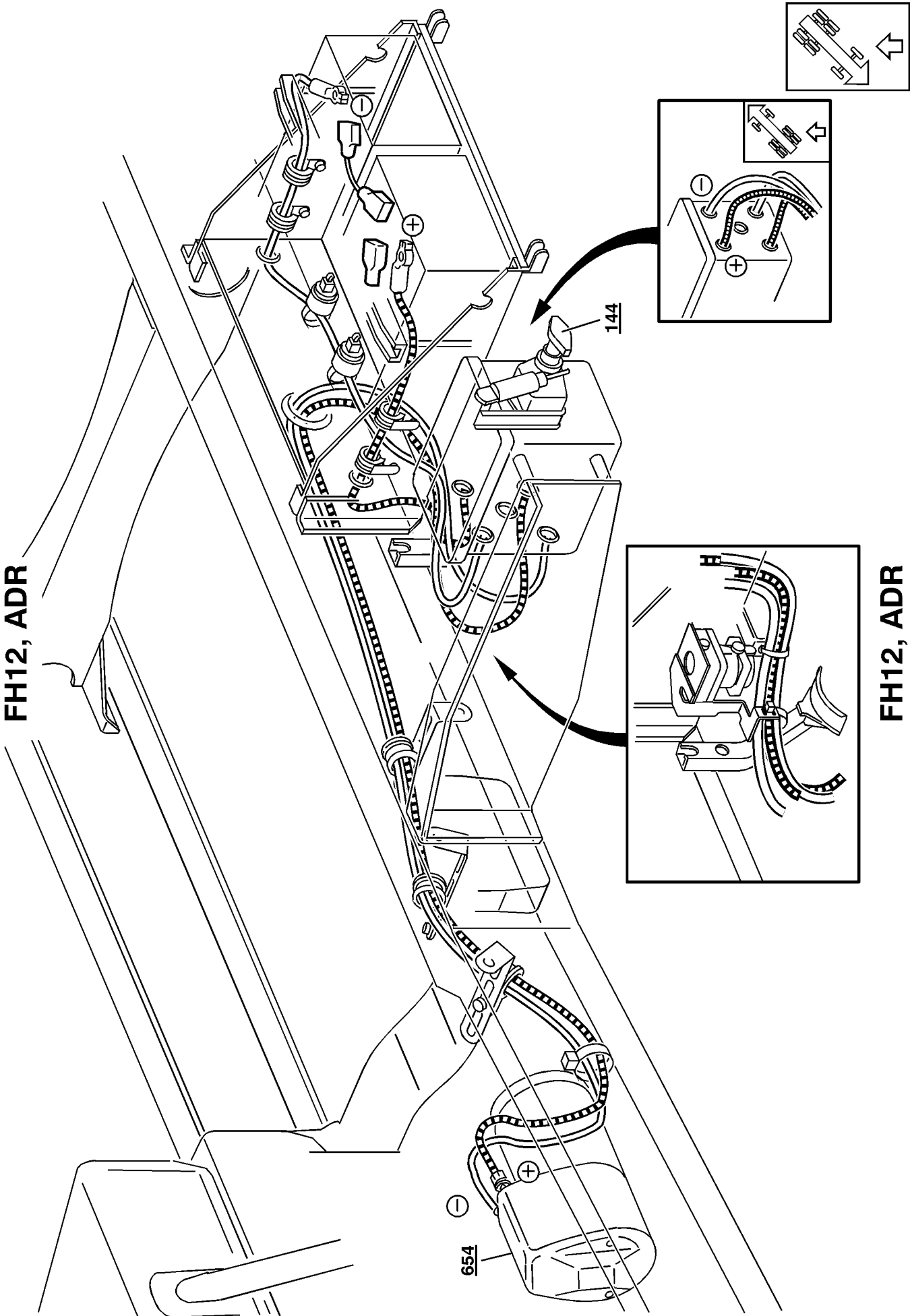
## Illustrations

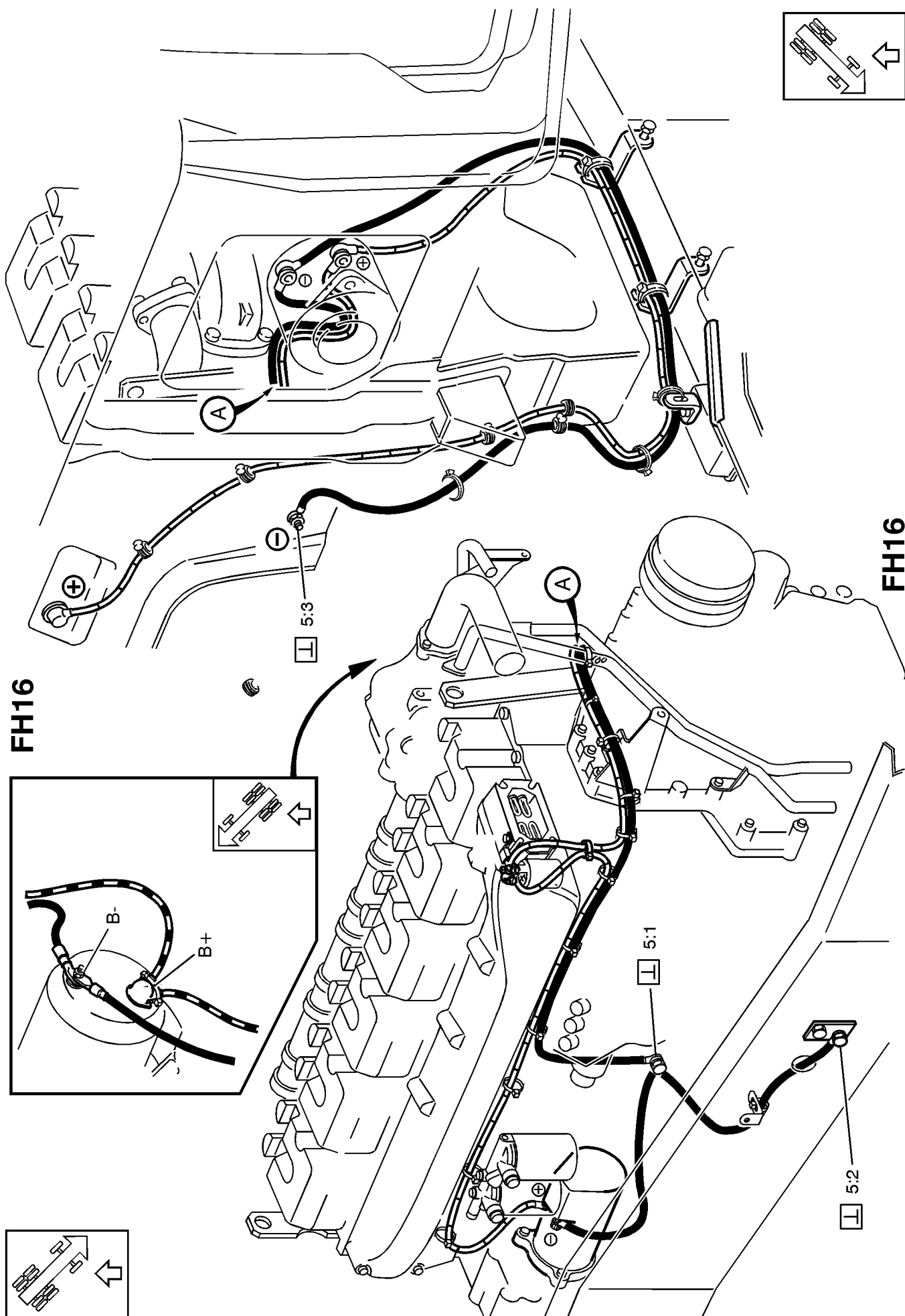


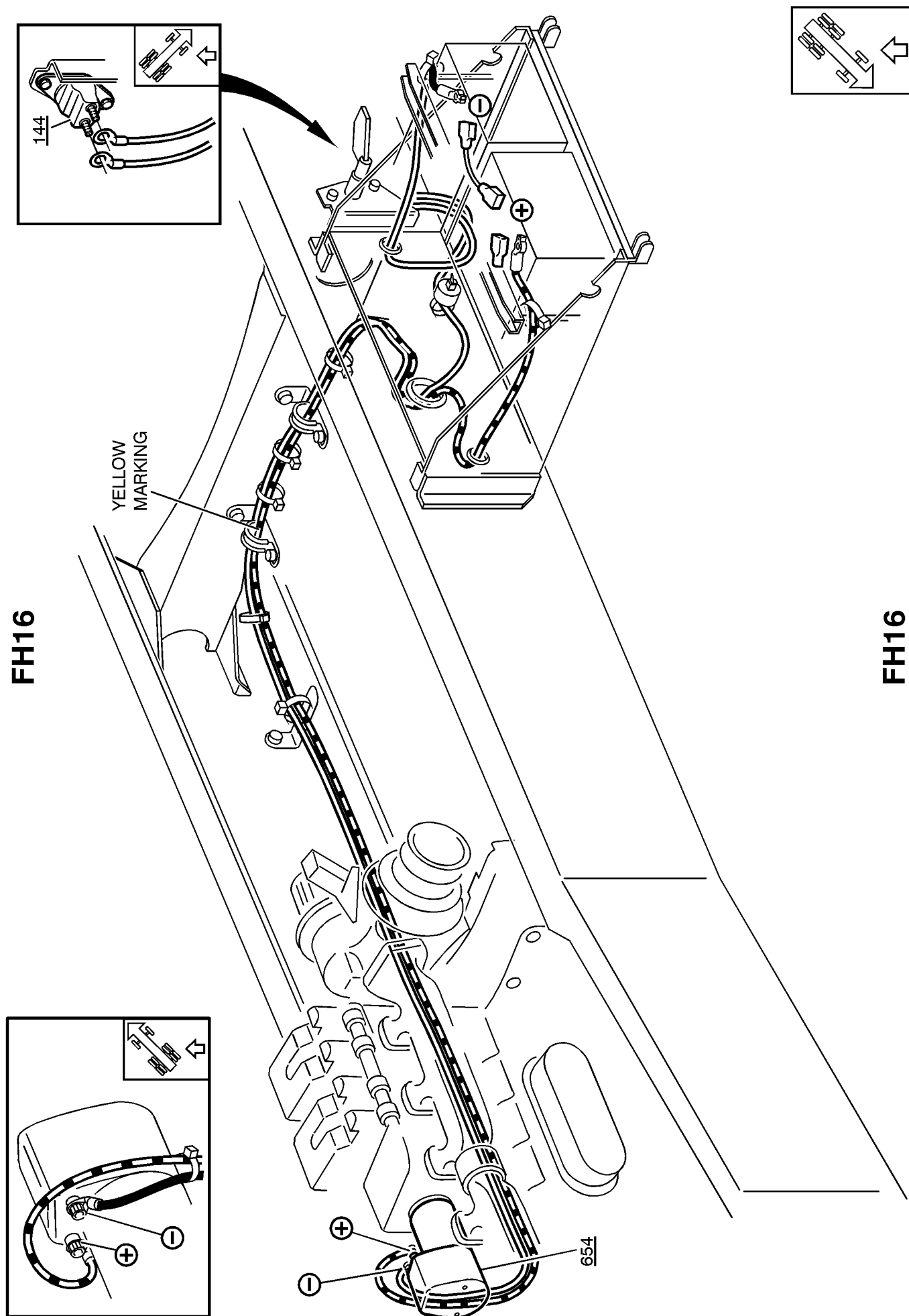
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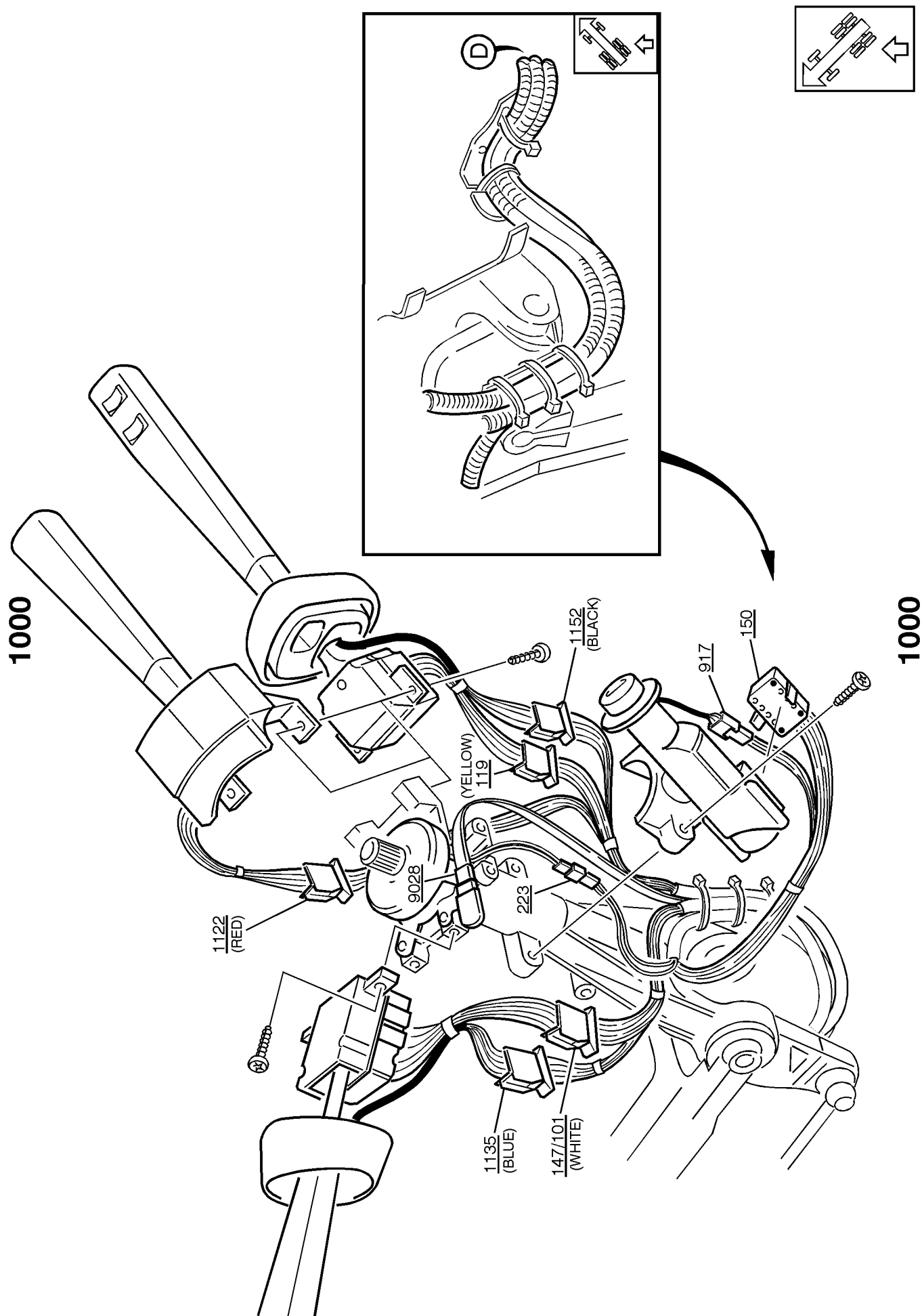








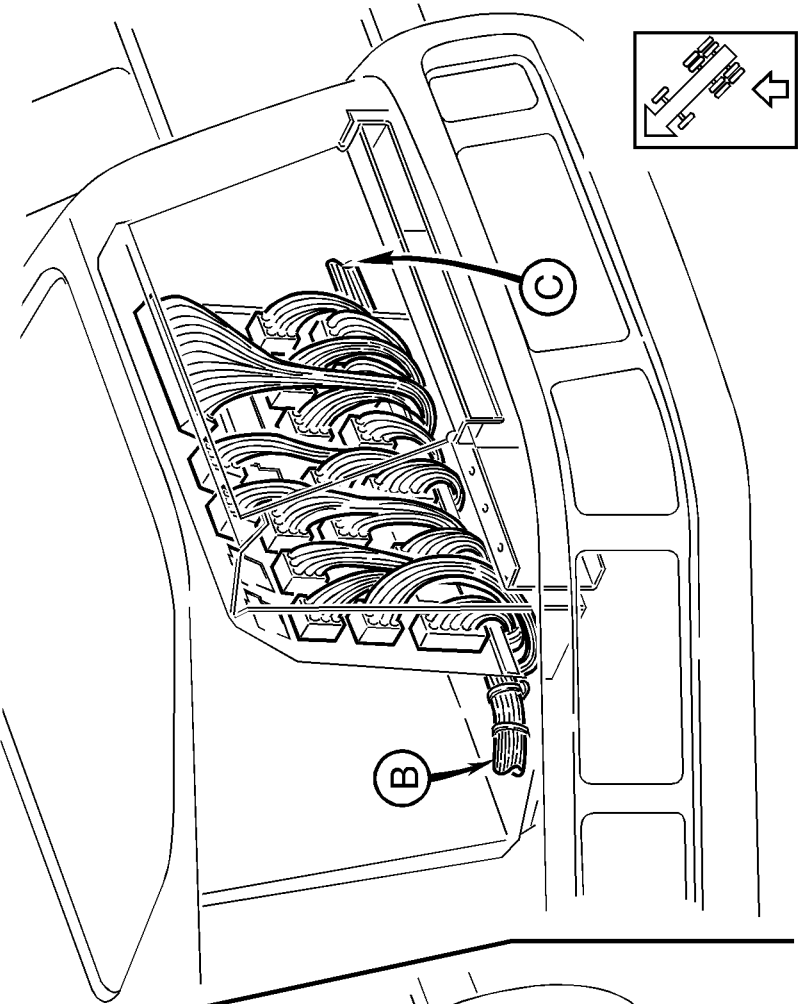
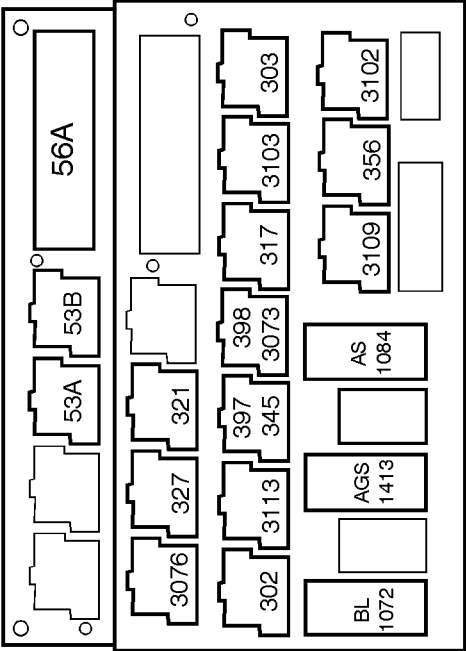






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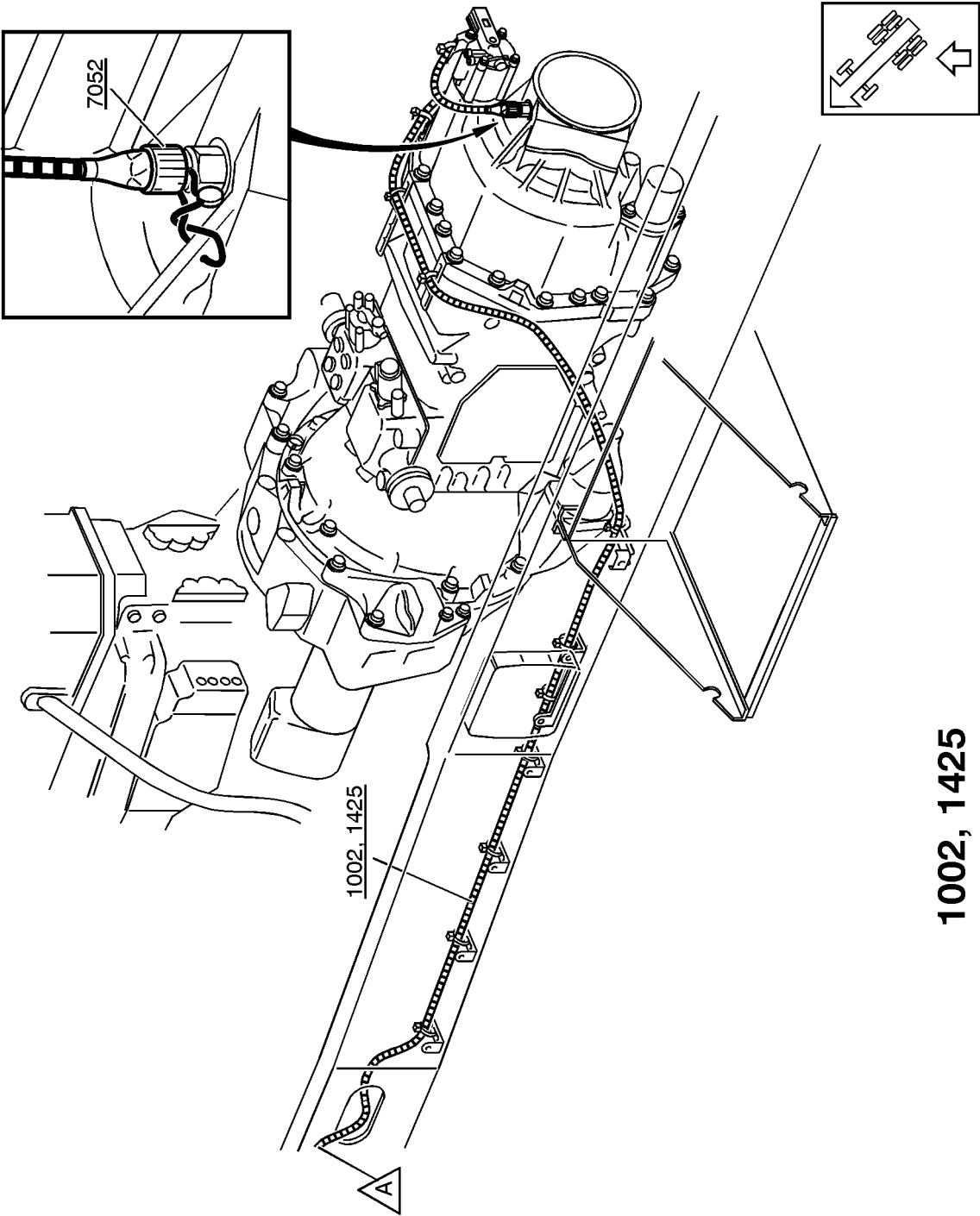
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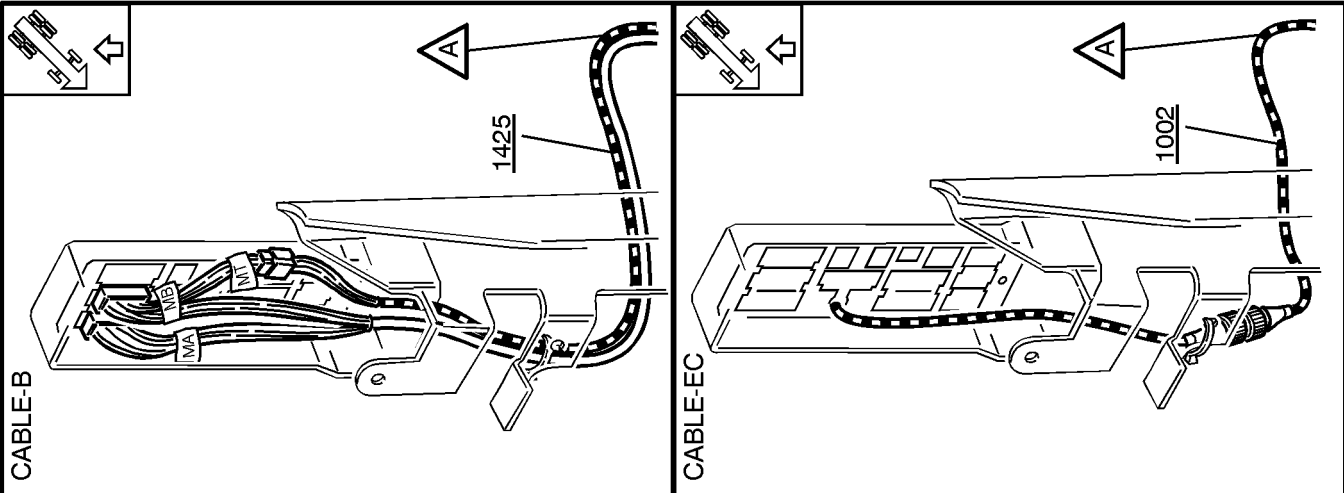
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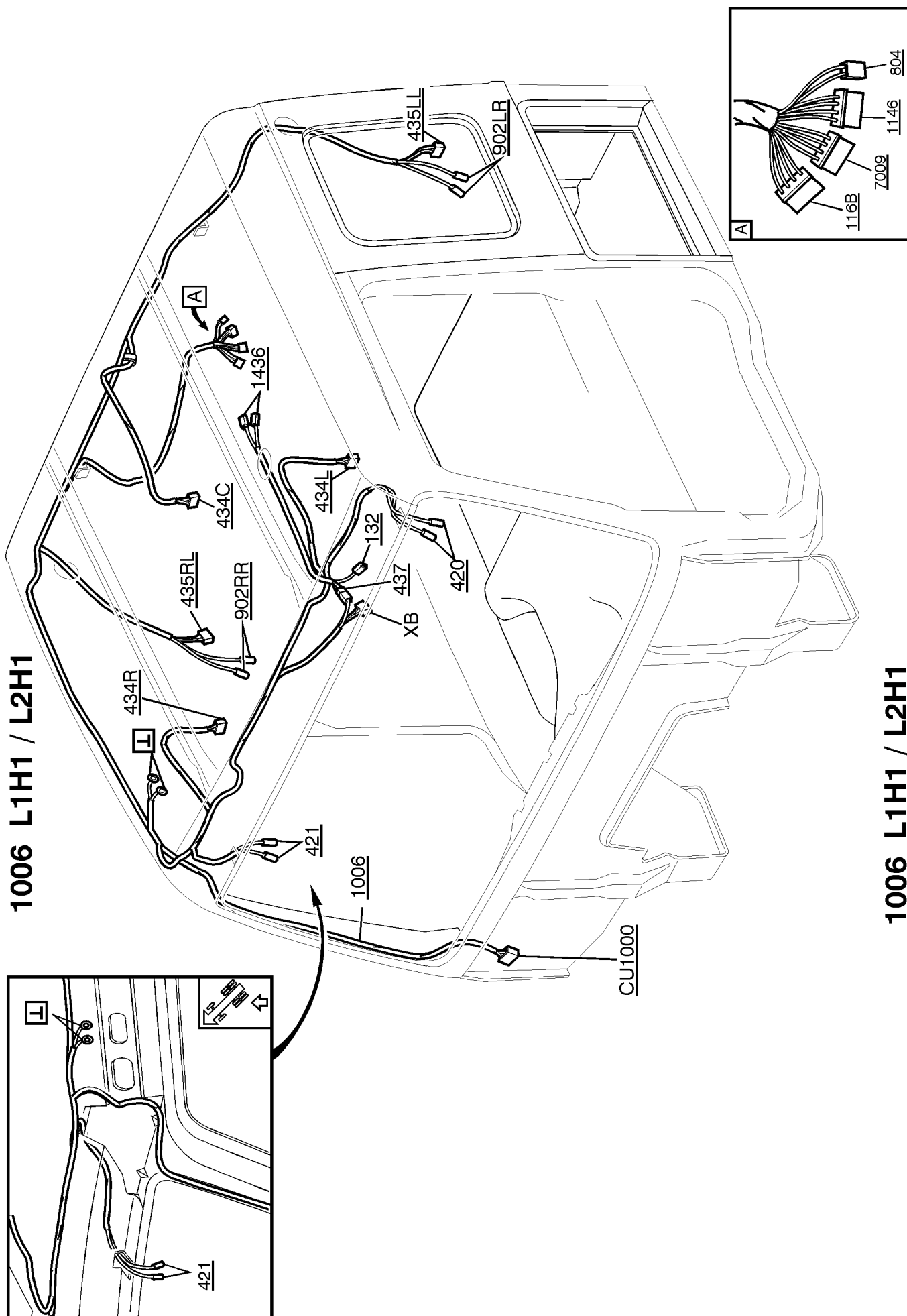


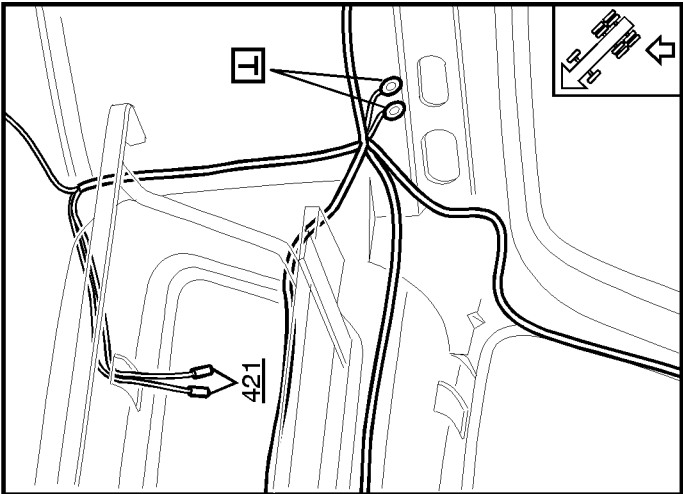
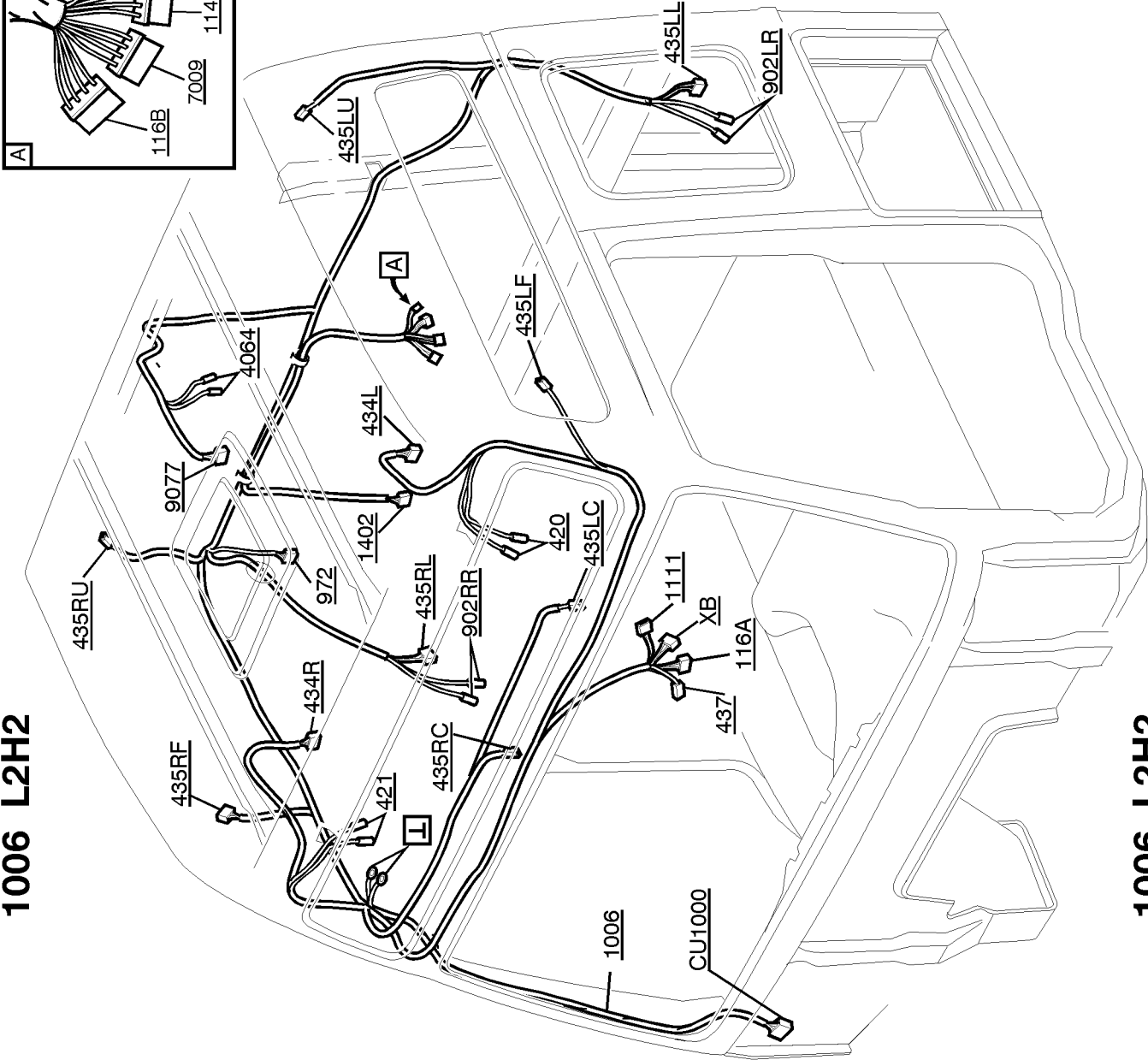
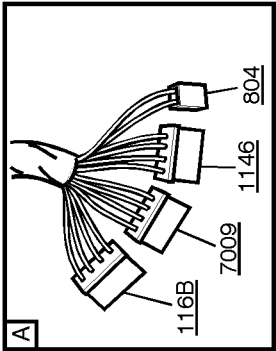
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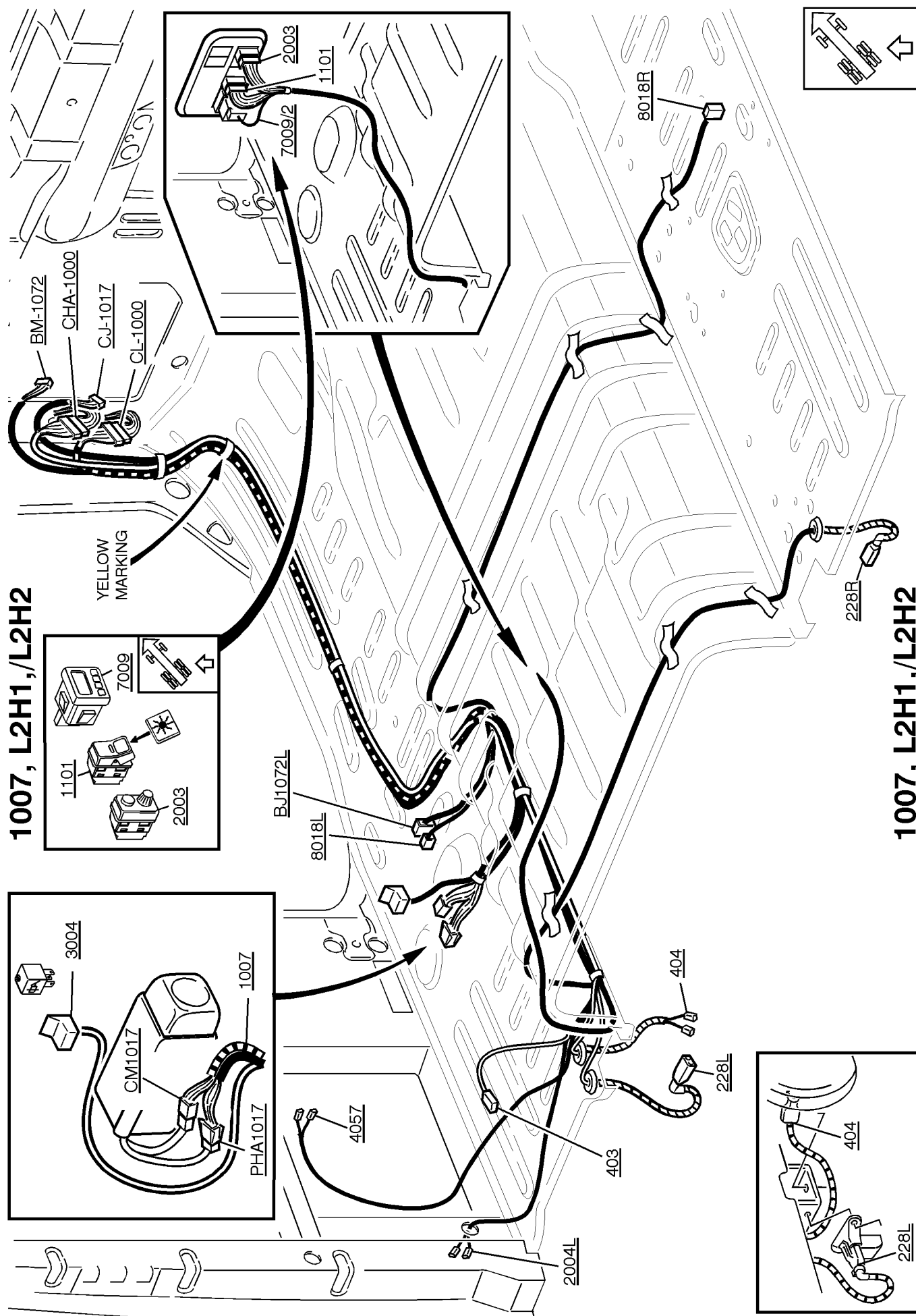
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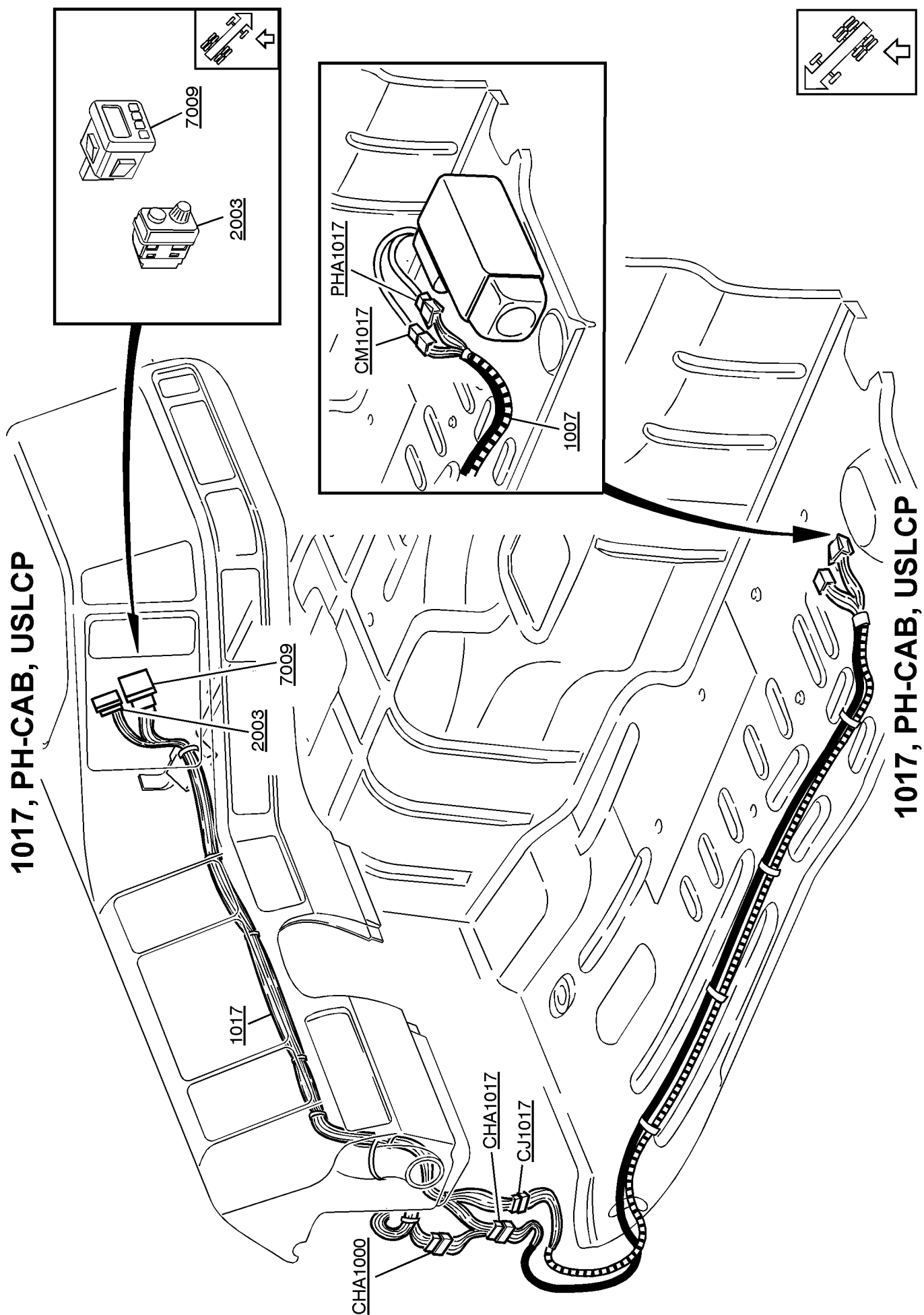


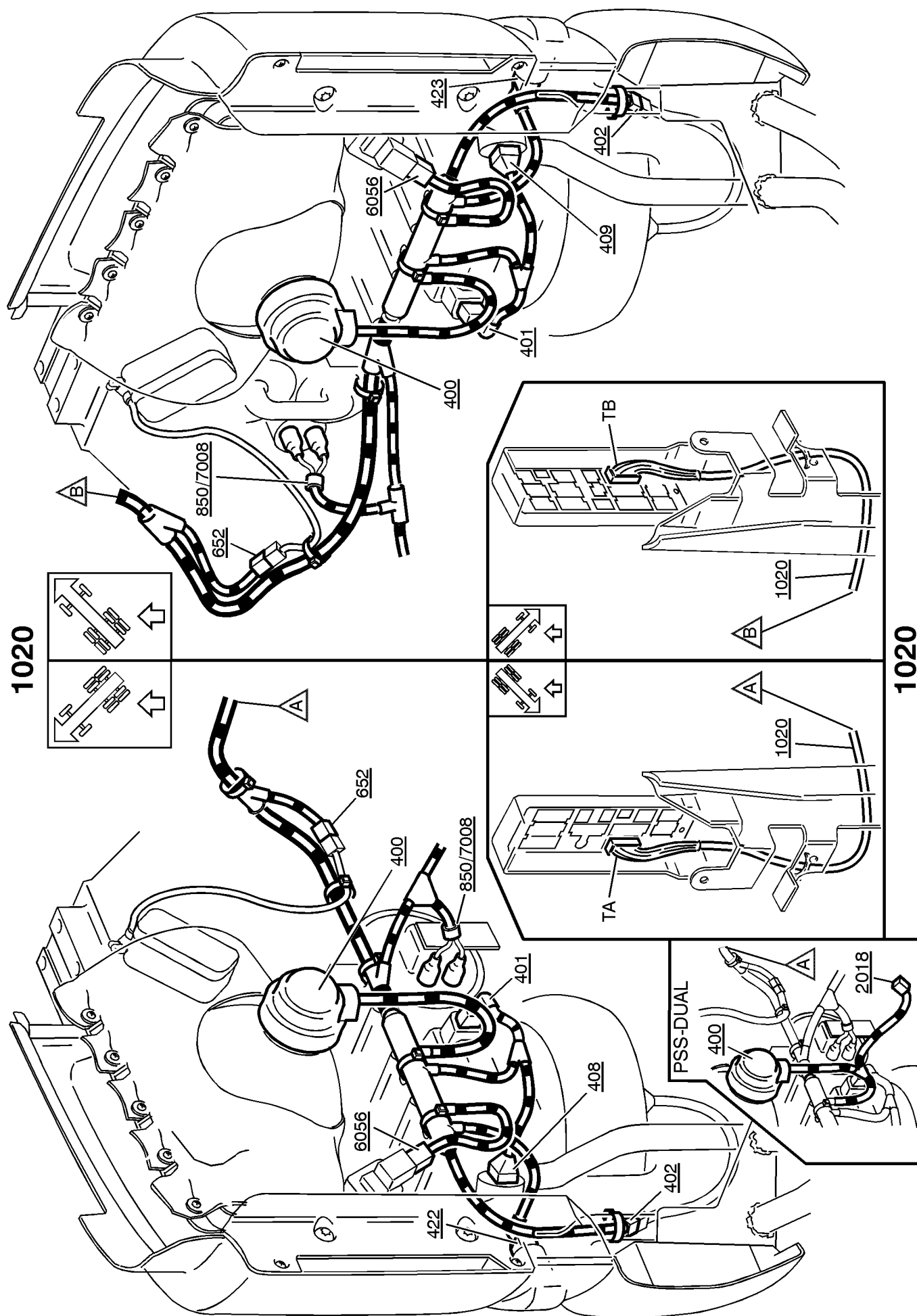




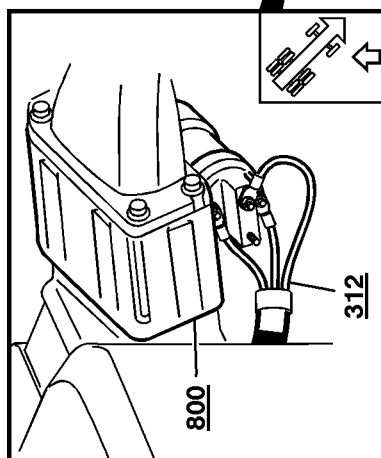
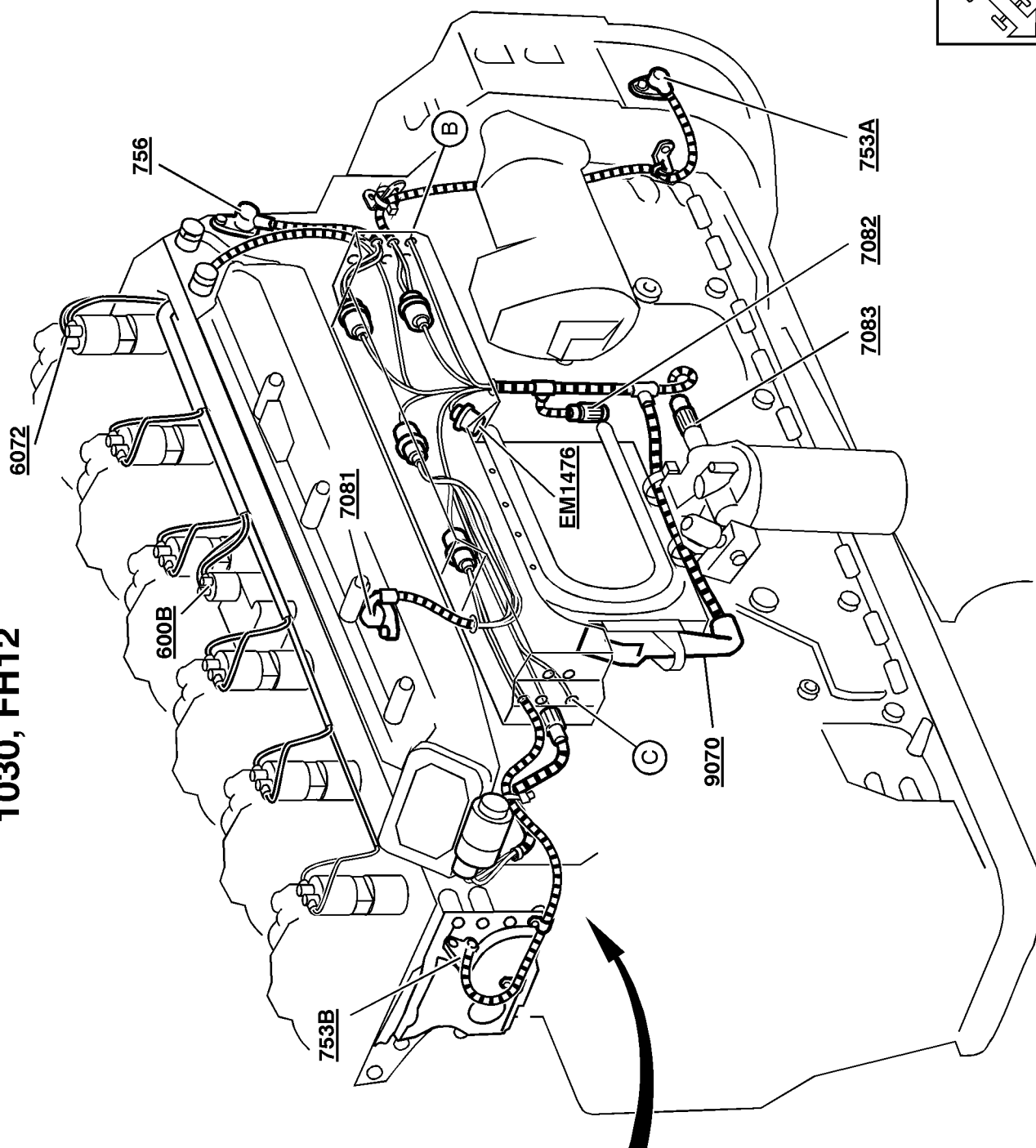








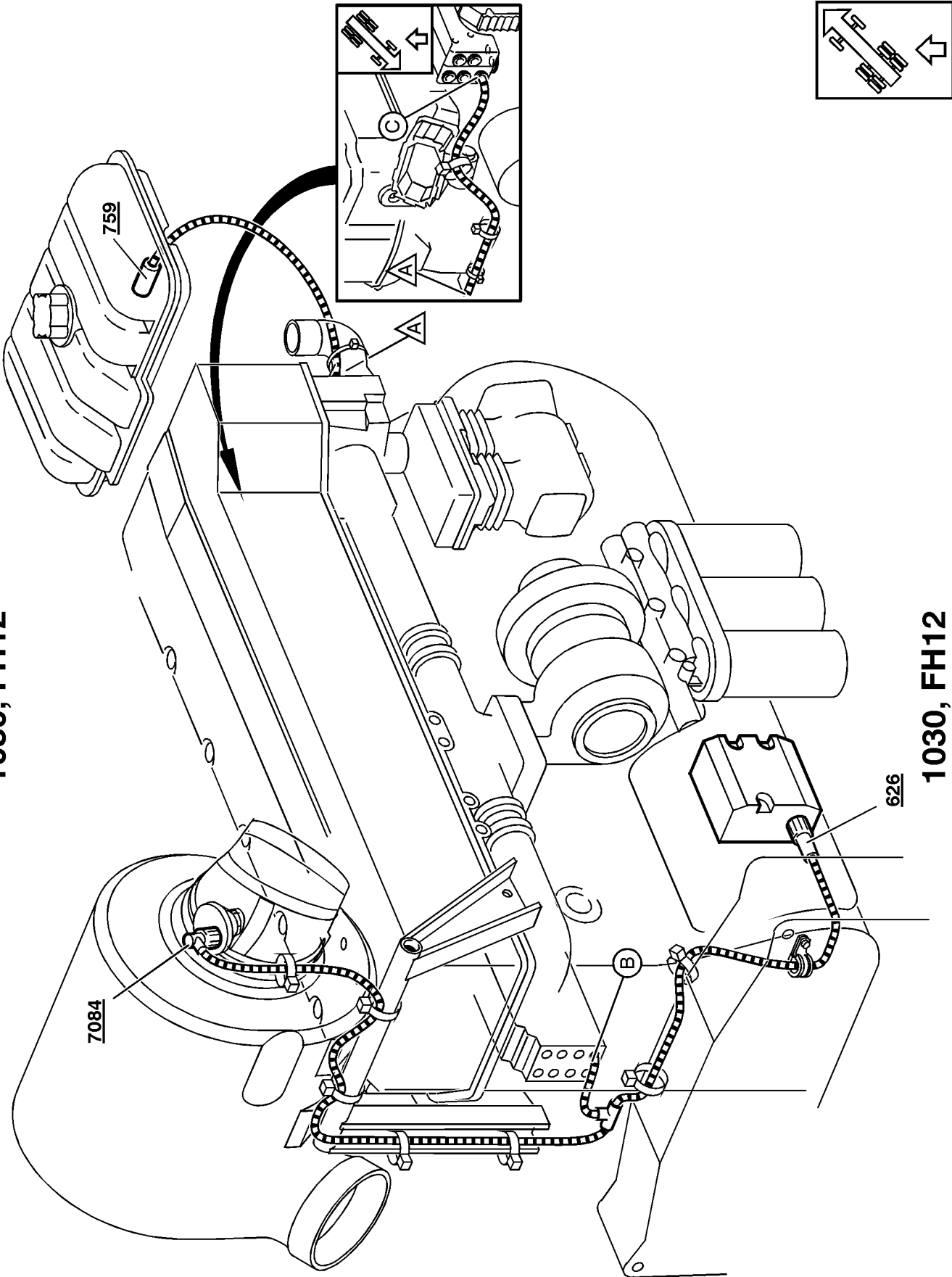
1030, FH12

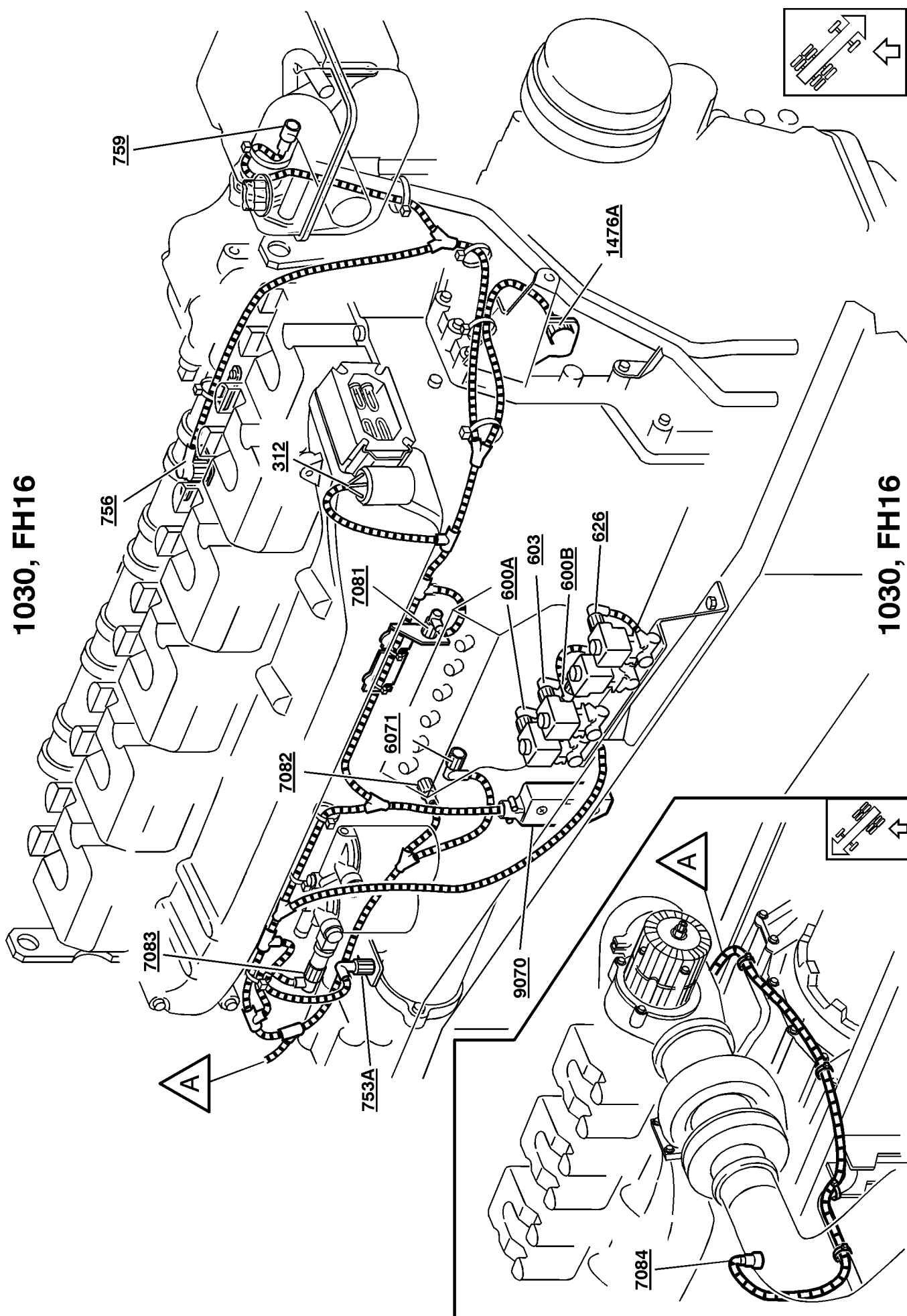


1030, FH12

1030, FH12

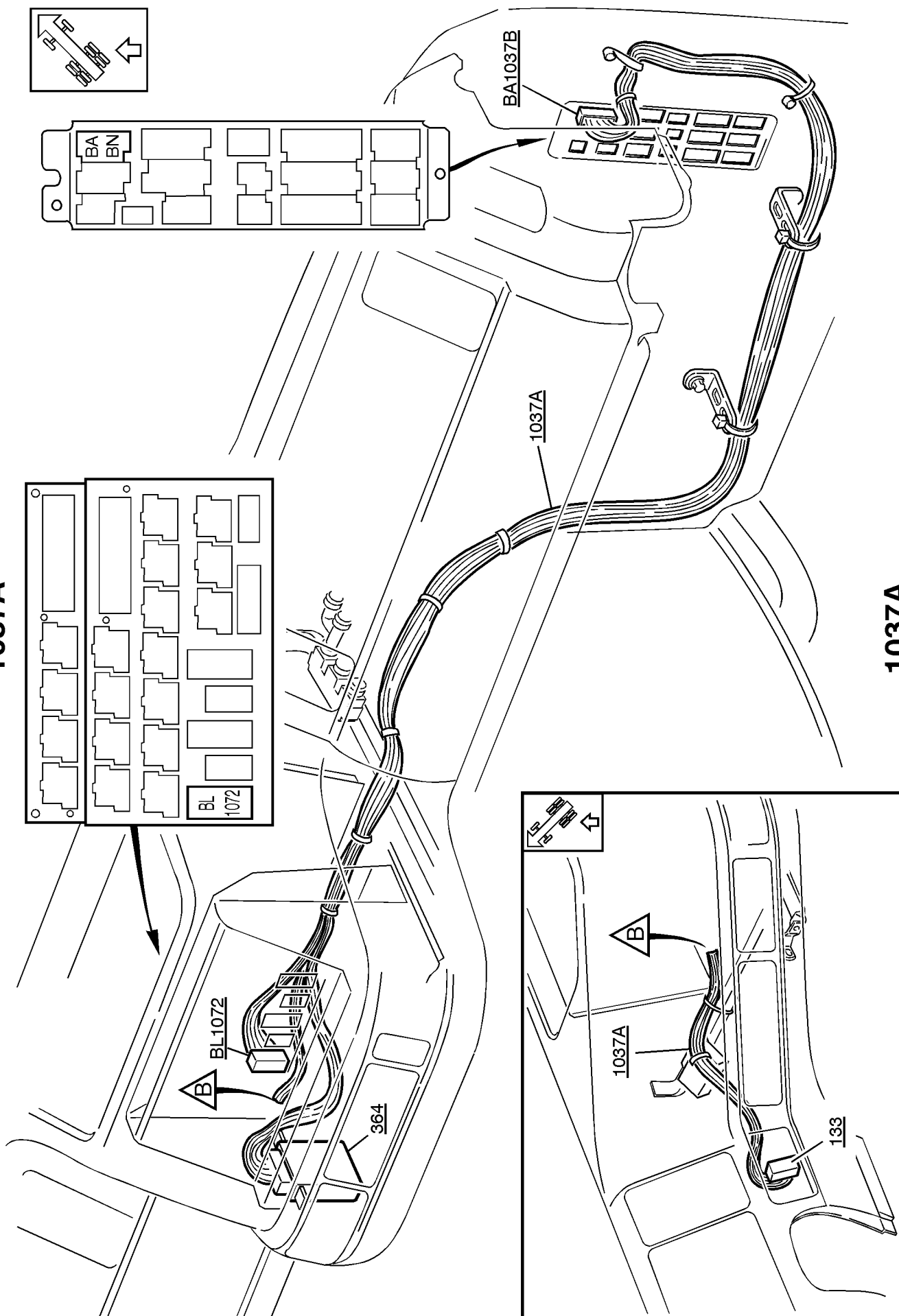
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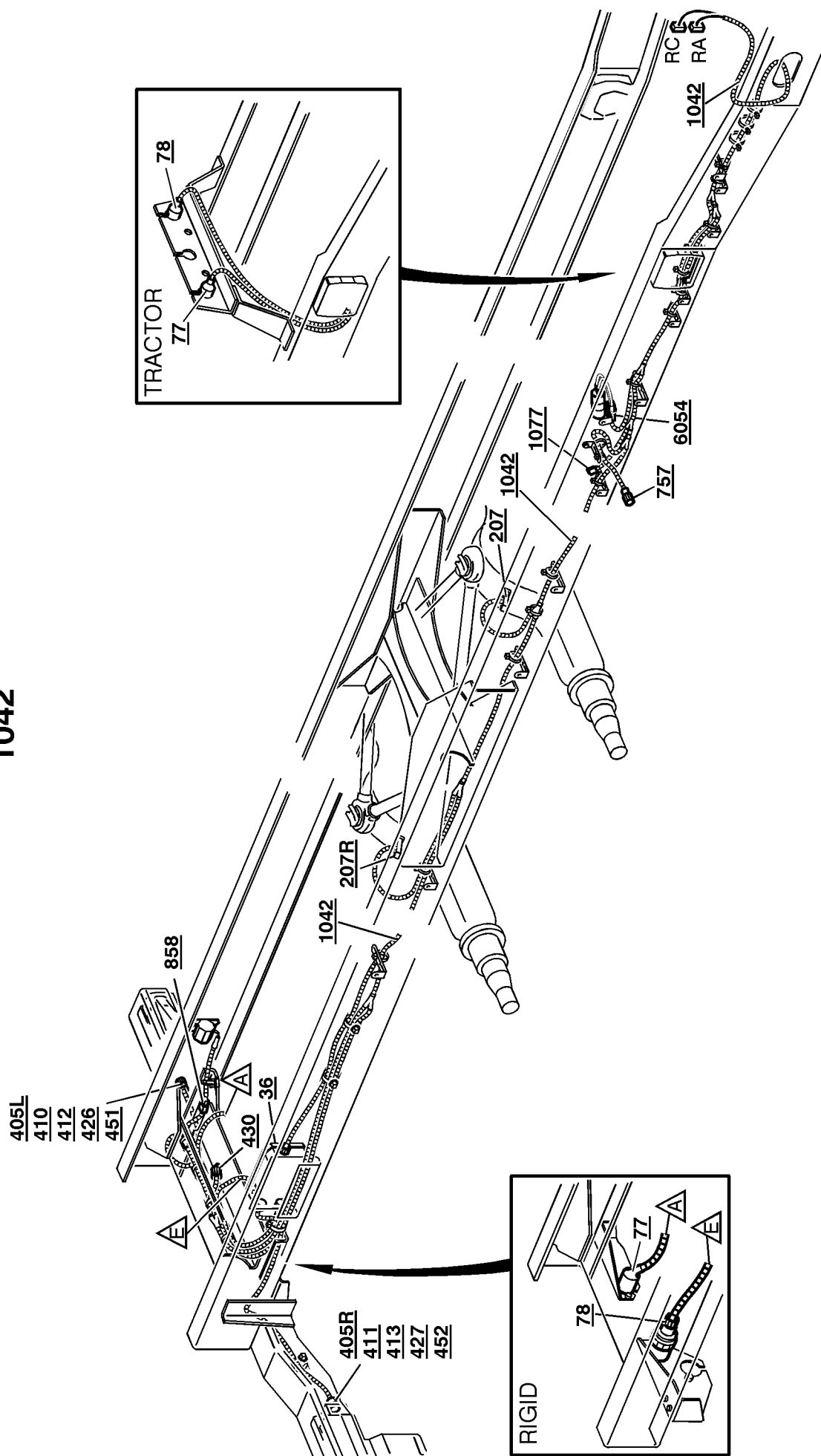


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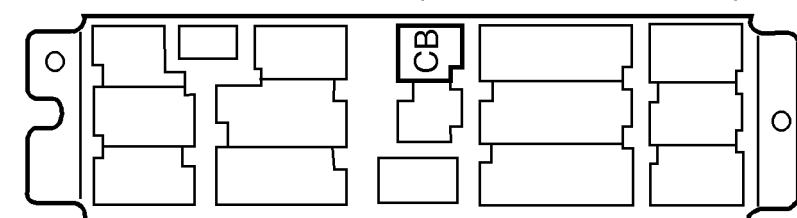
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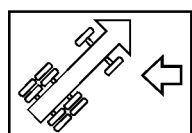
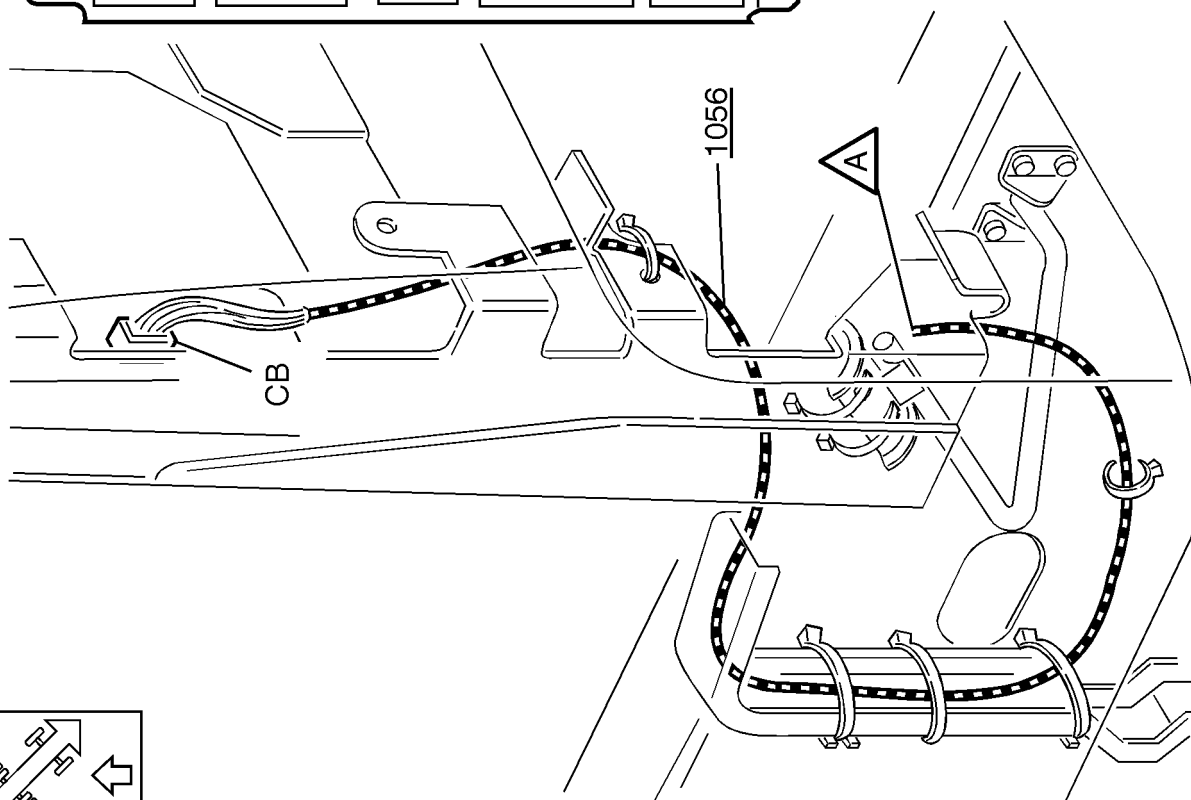
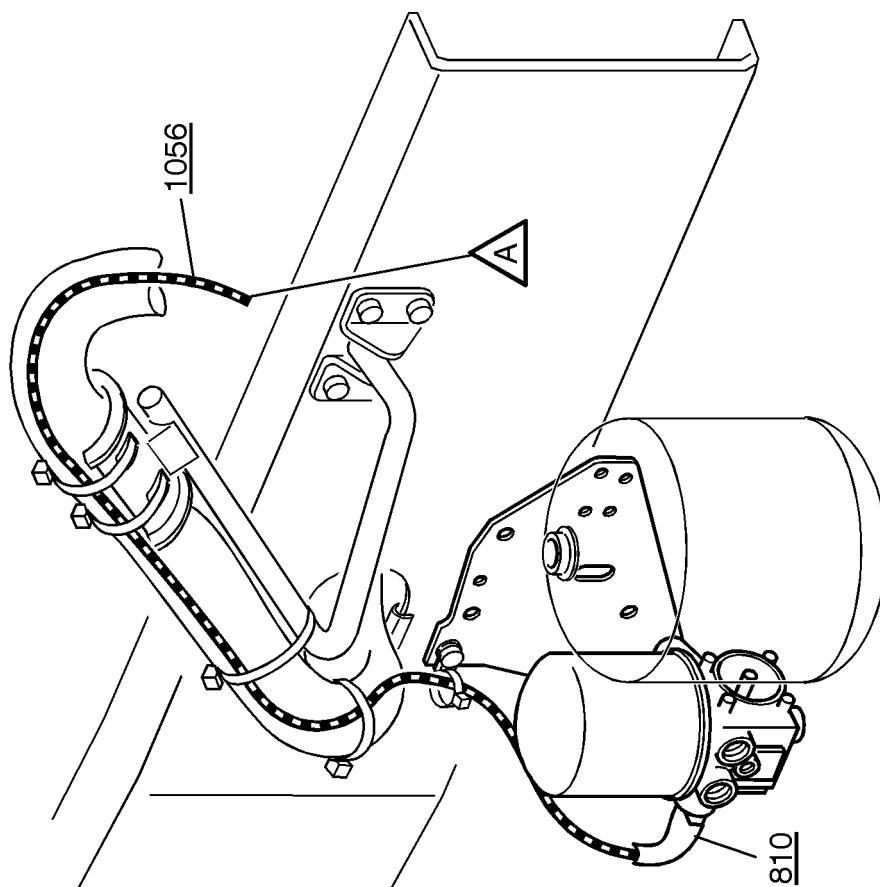
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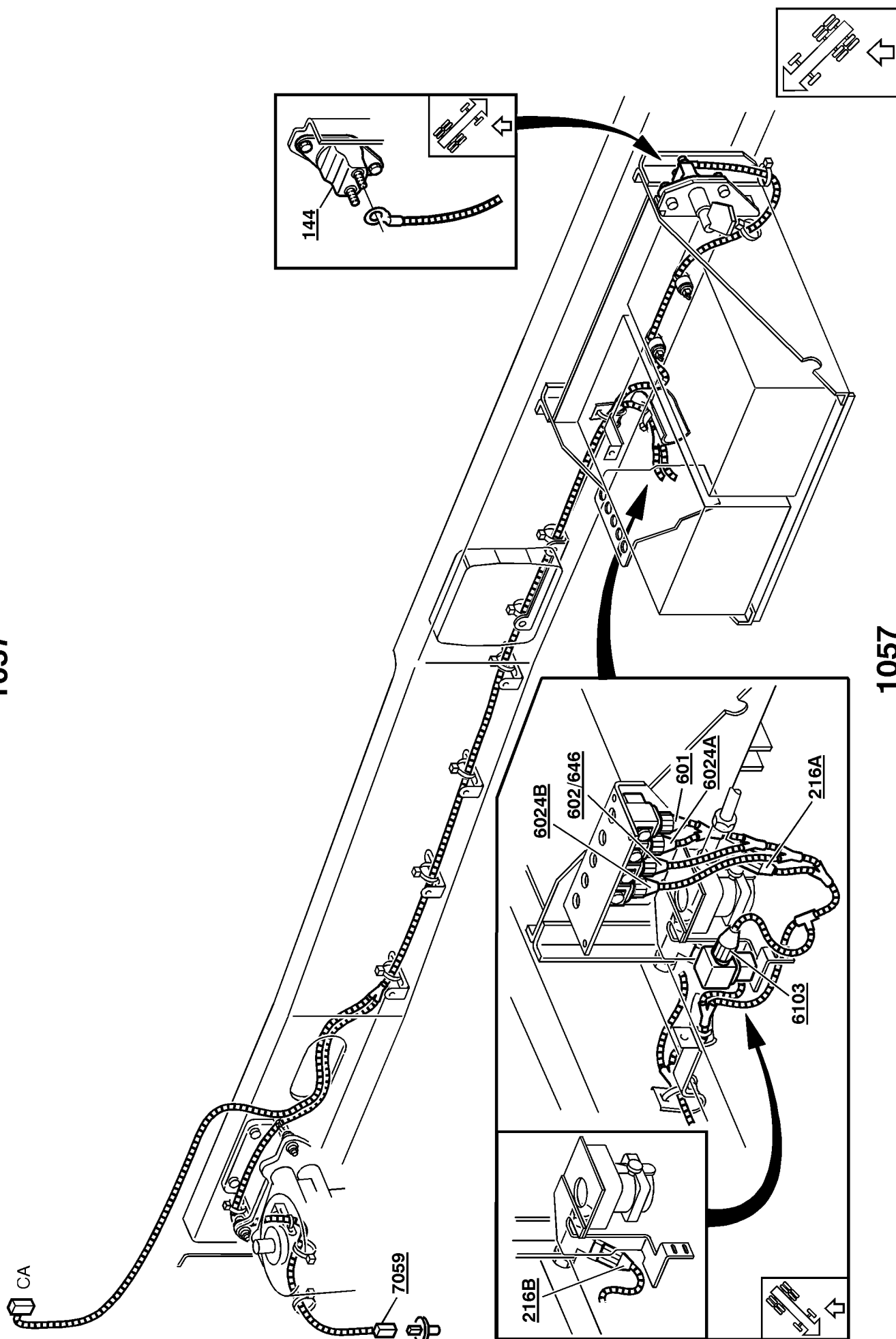
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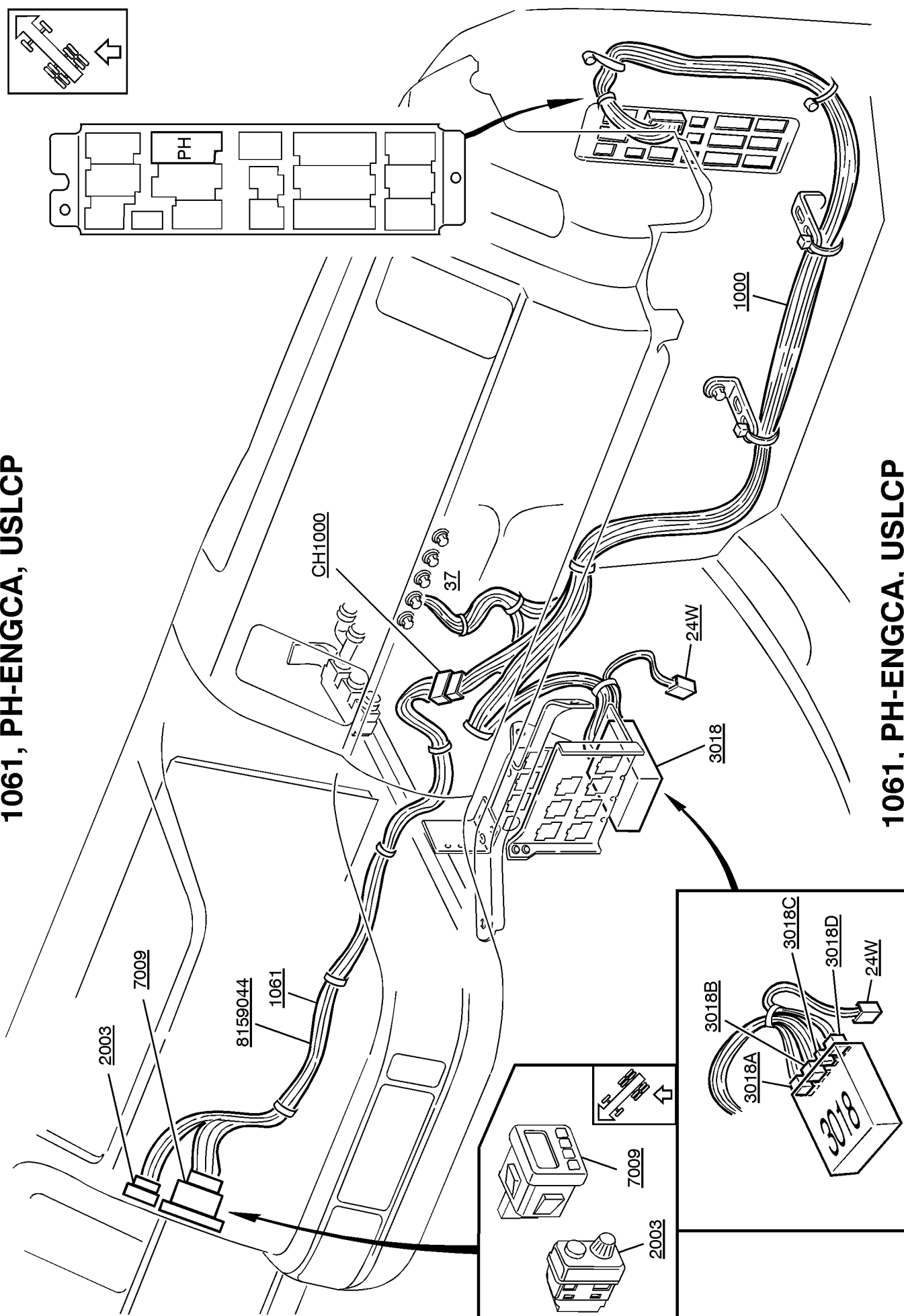
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1057

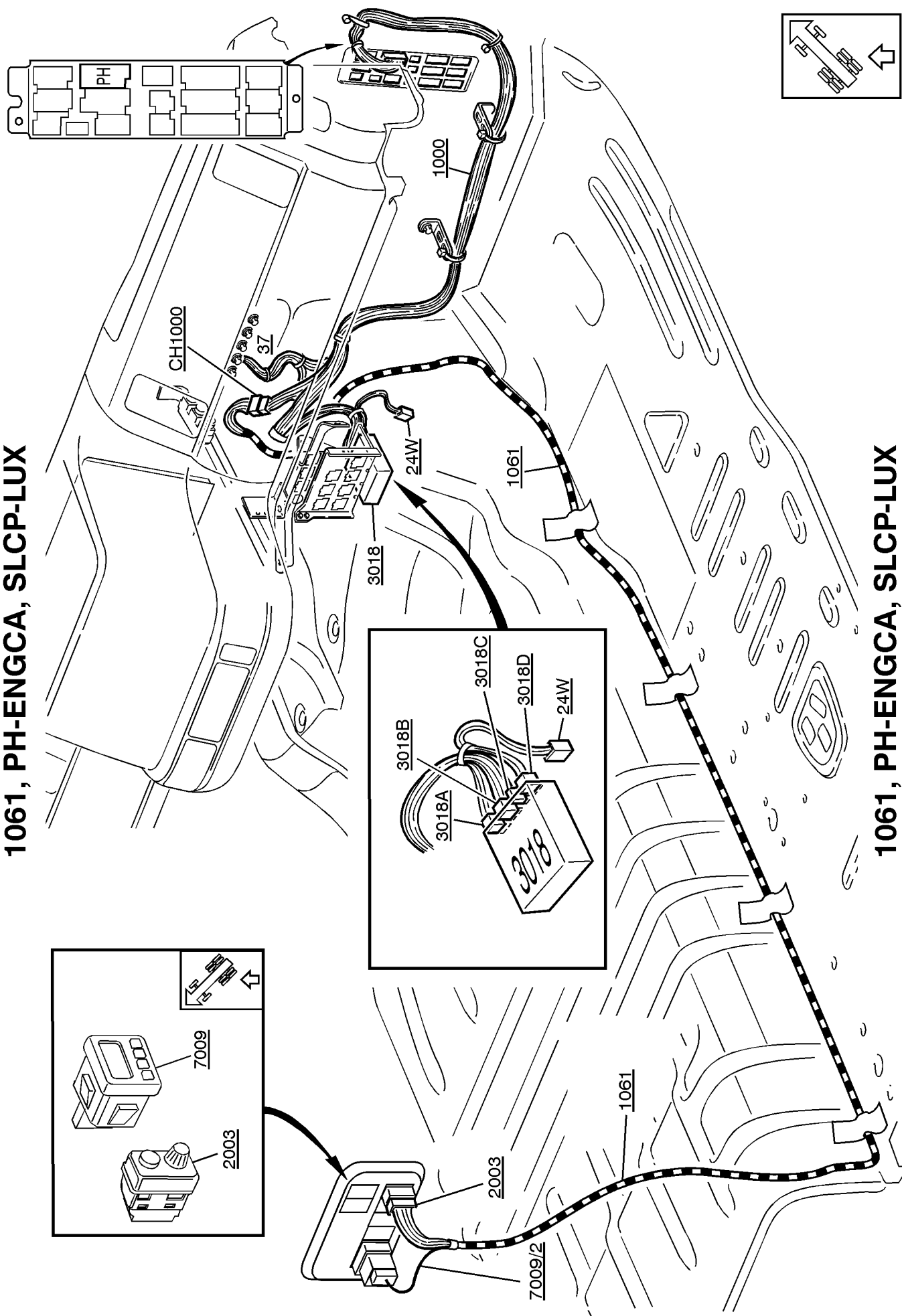


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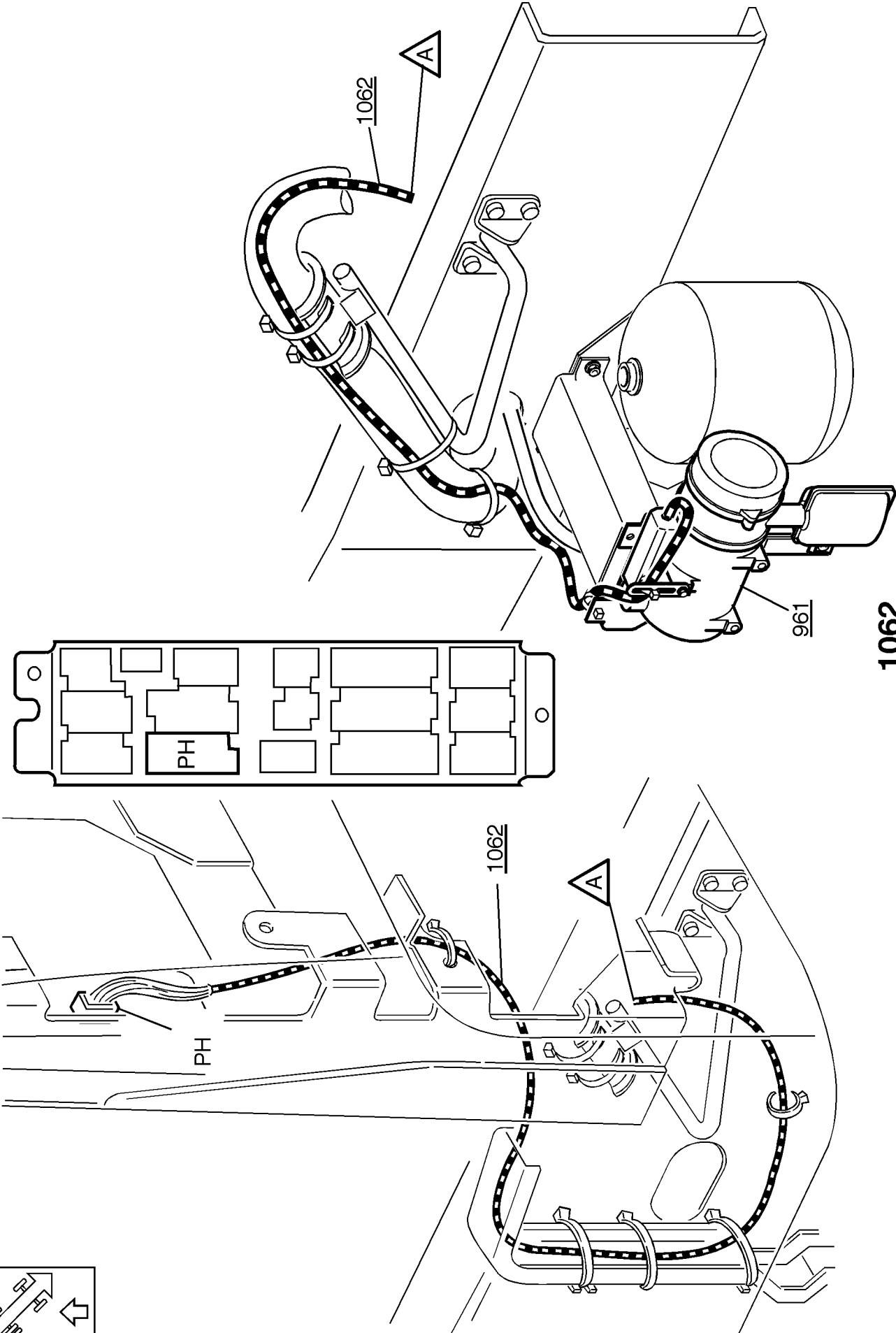
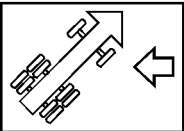
1061, PH-ENGCA, SLCP-LUX

1061, PH-ENGCA, SLCP-LUX

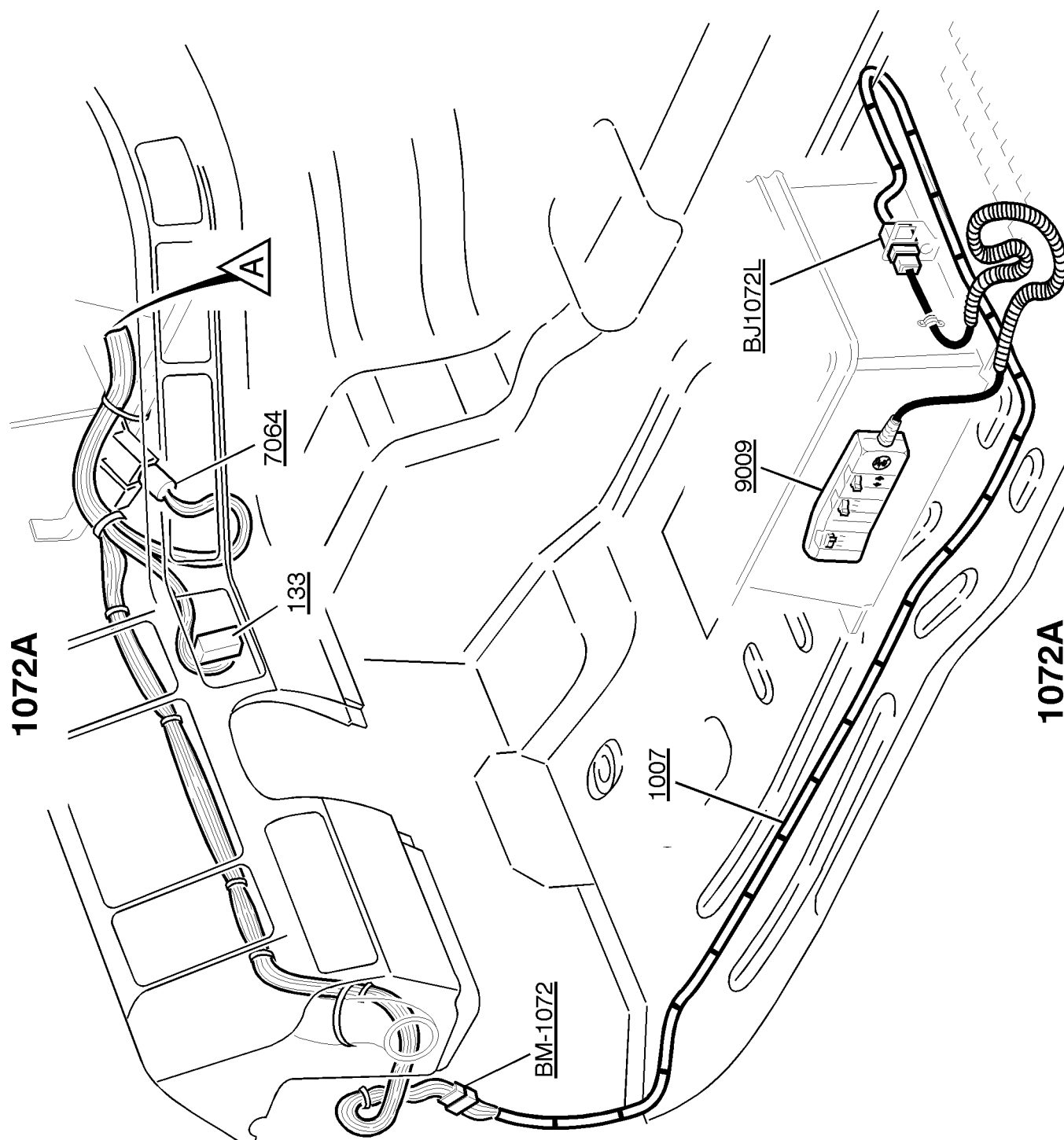
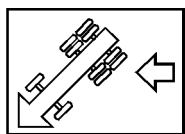


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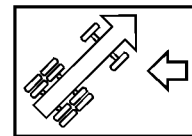
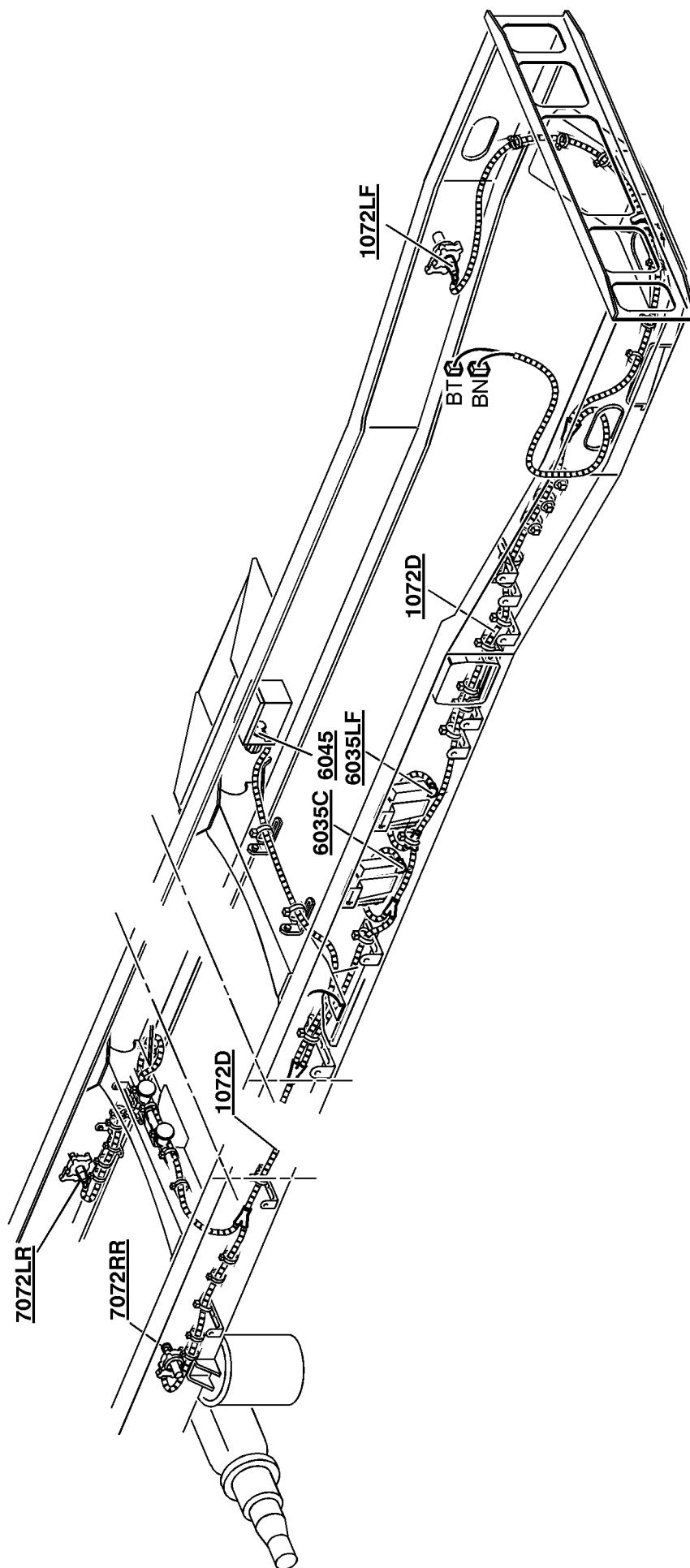
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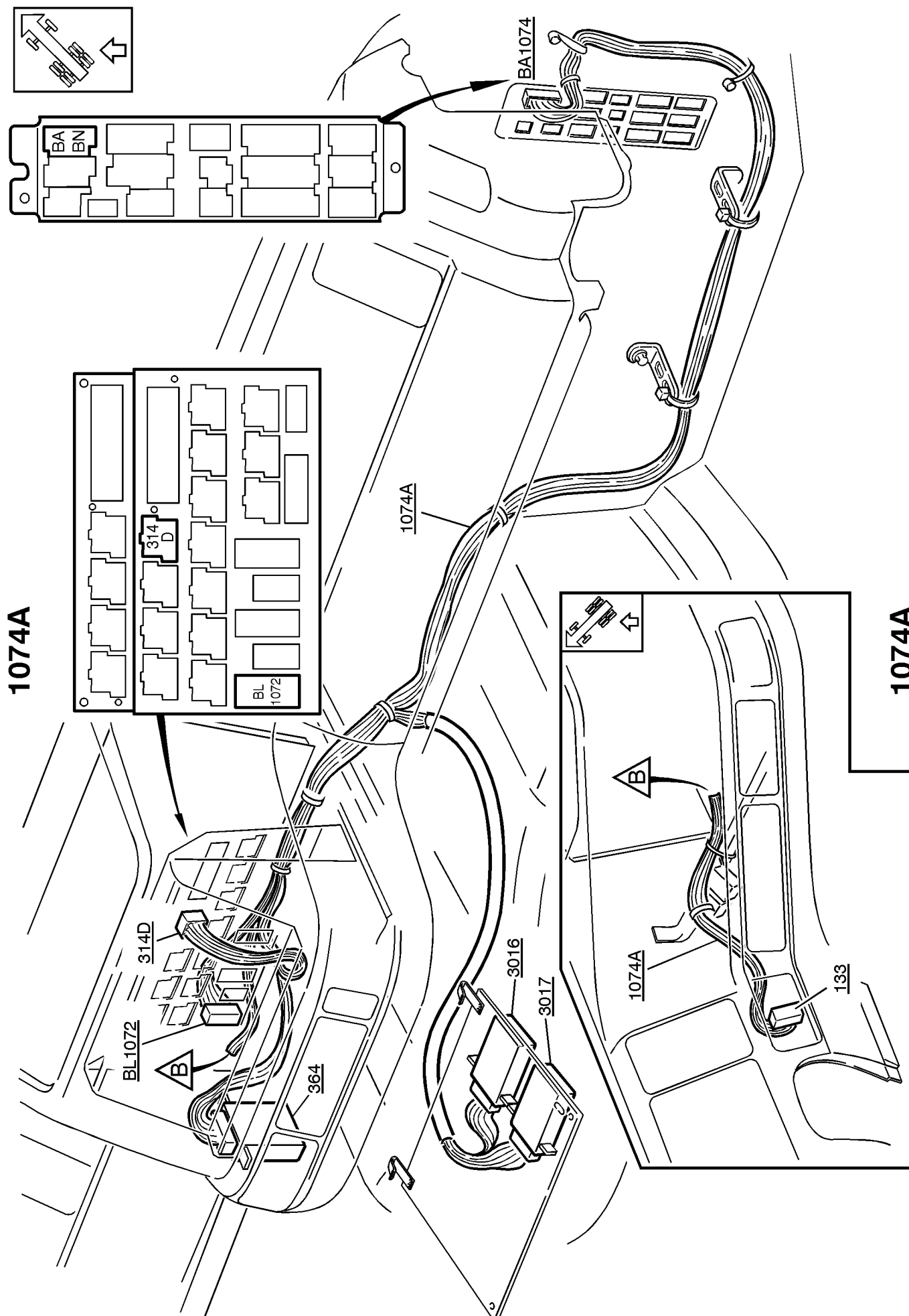




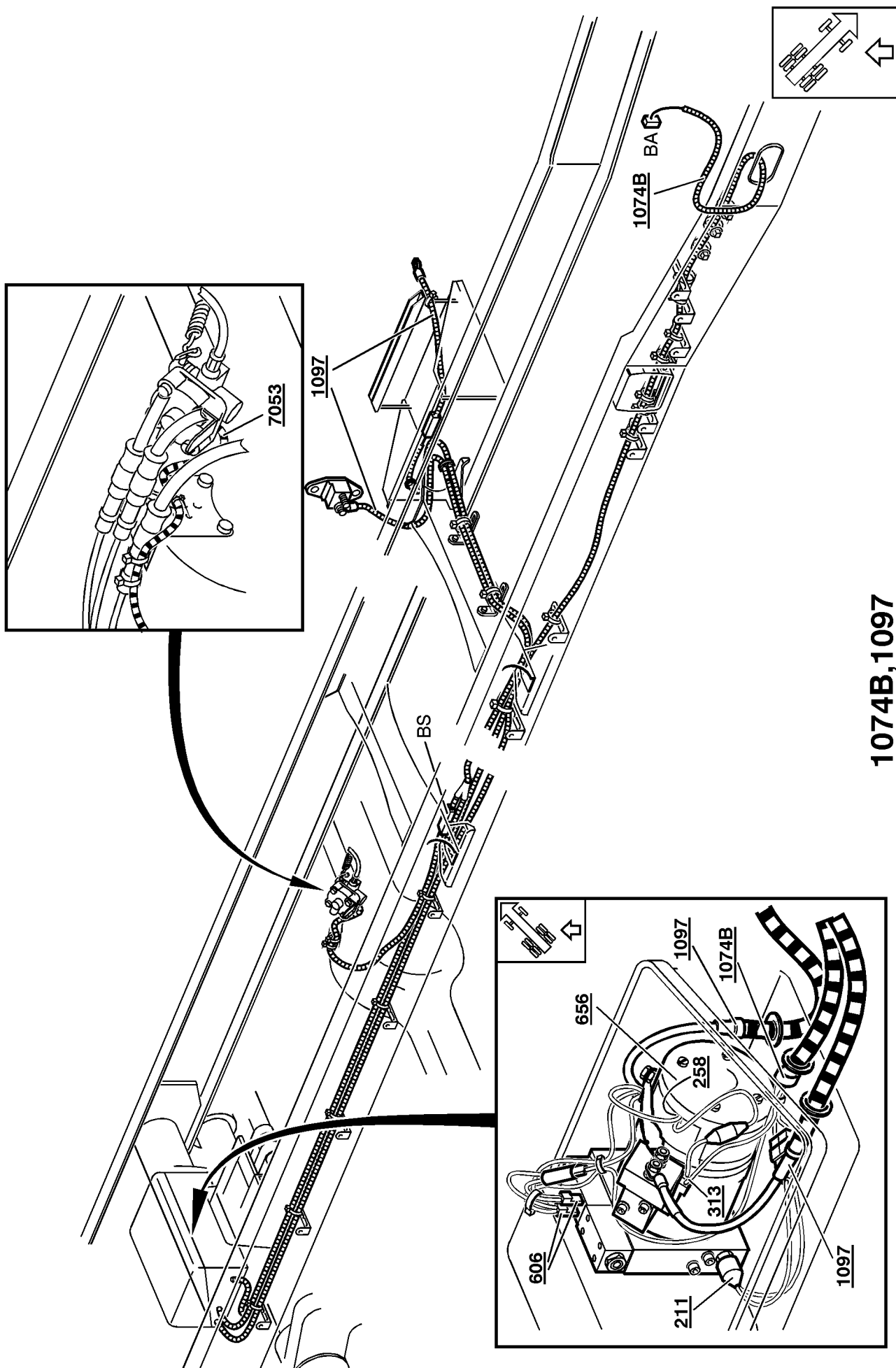
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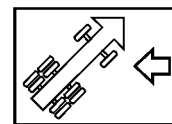
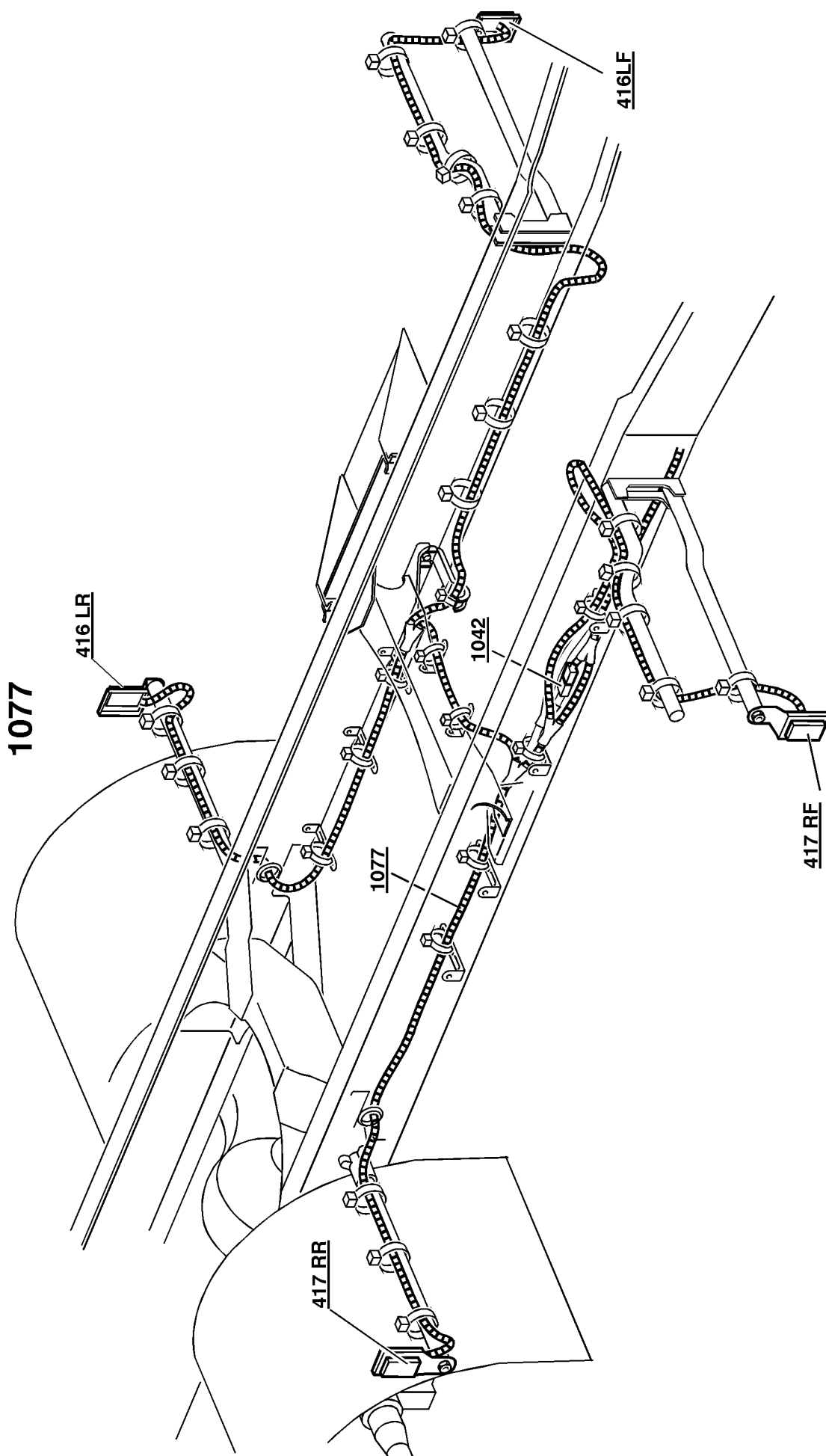
1072D



1074B,1097

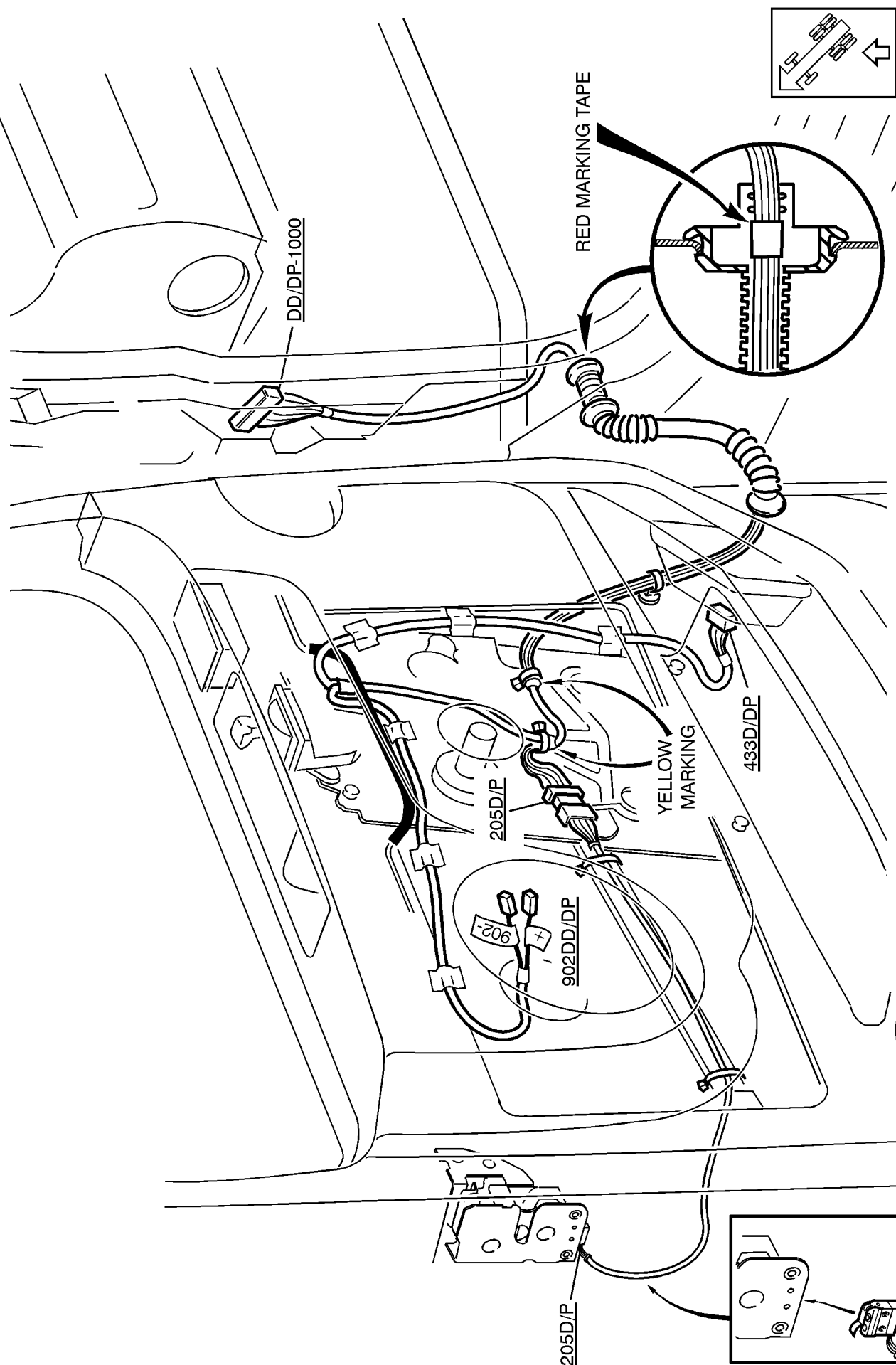


1074B,1097



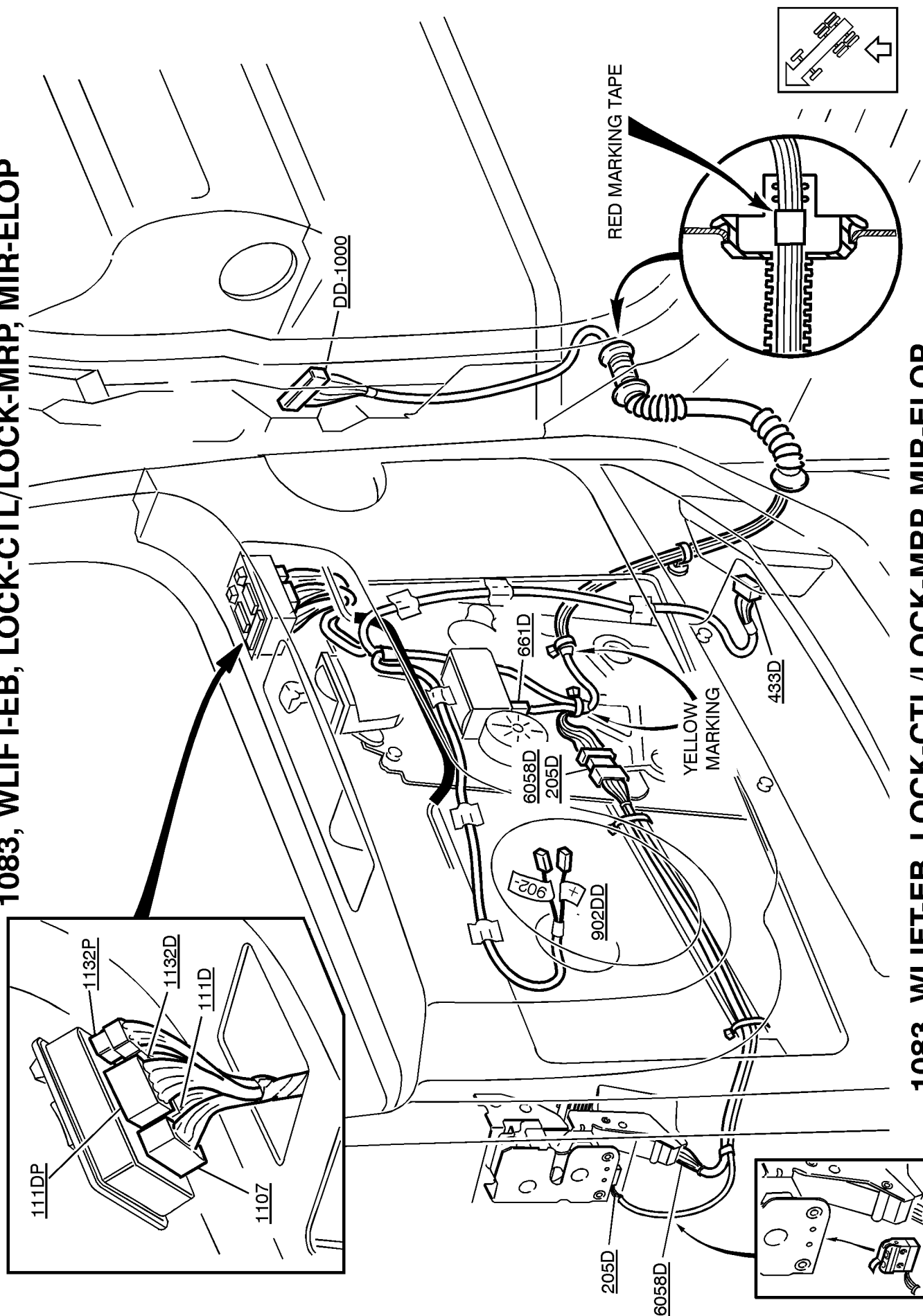
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1083, WLIFT-ME, LOCK-MAN, UMIR-AUX



1083, WLIFT-ME, LOCK-MAN, UMIR-AUX

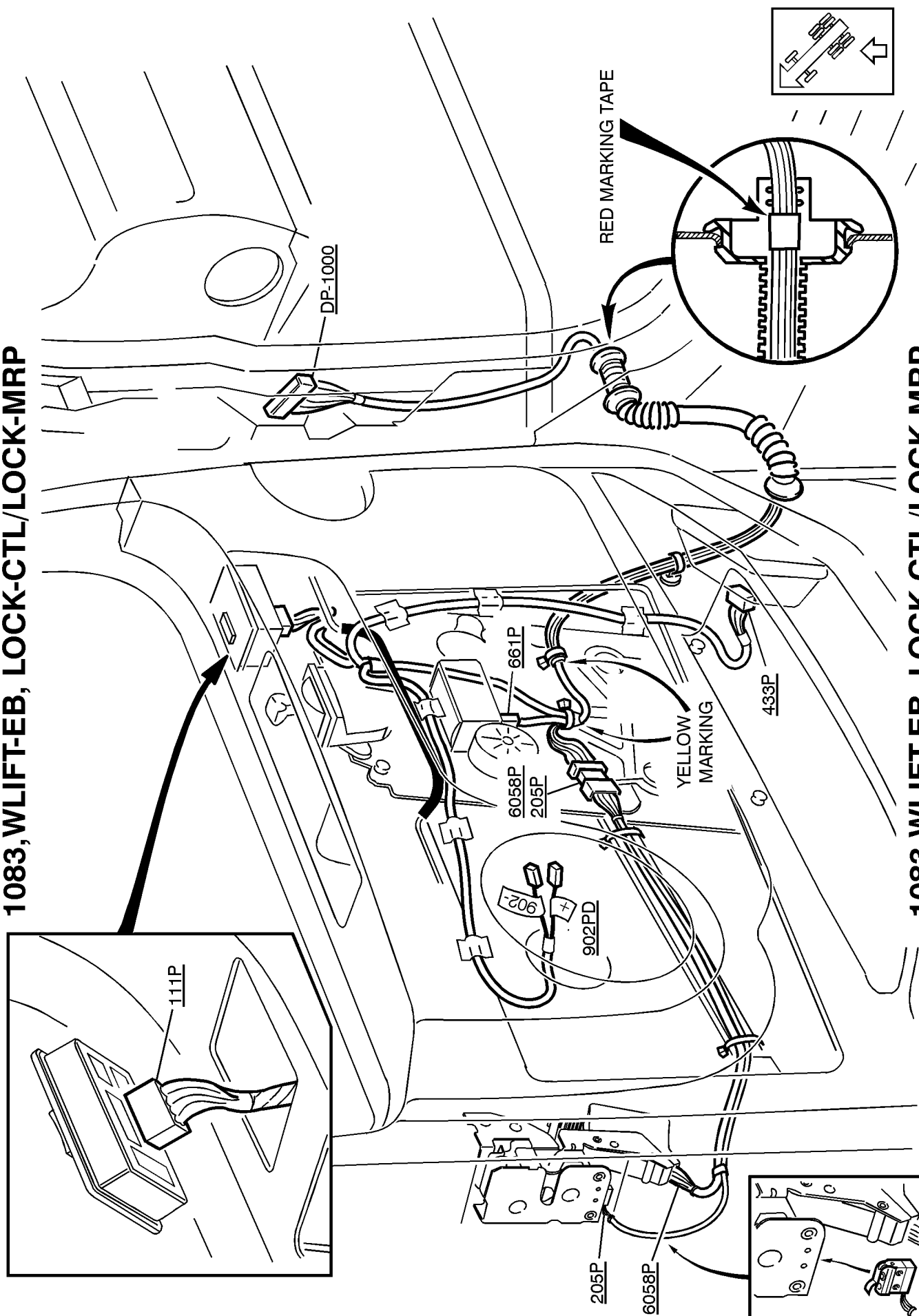
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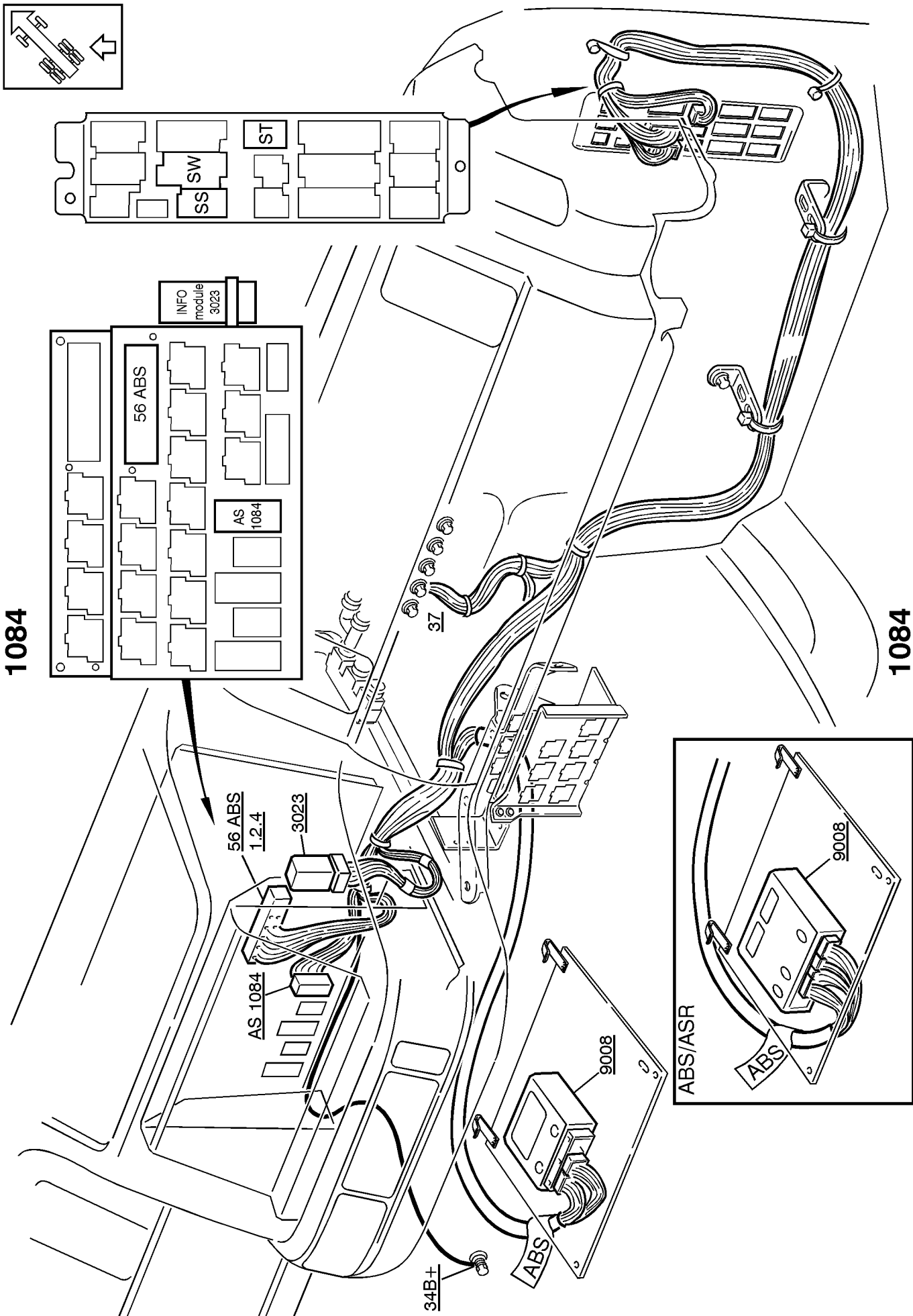


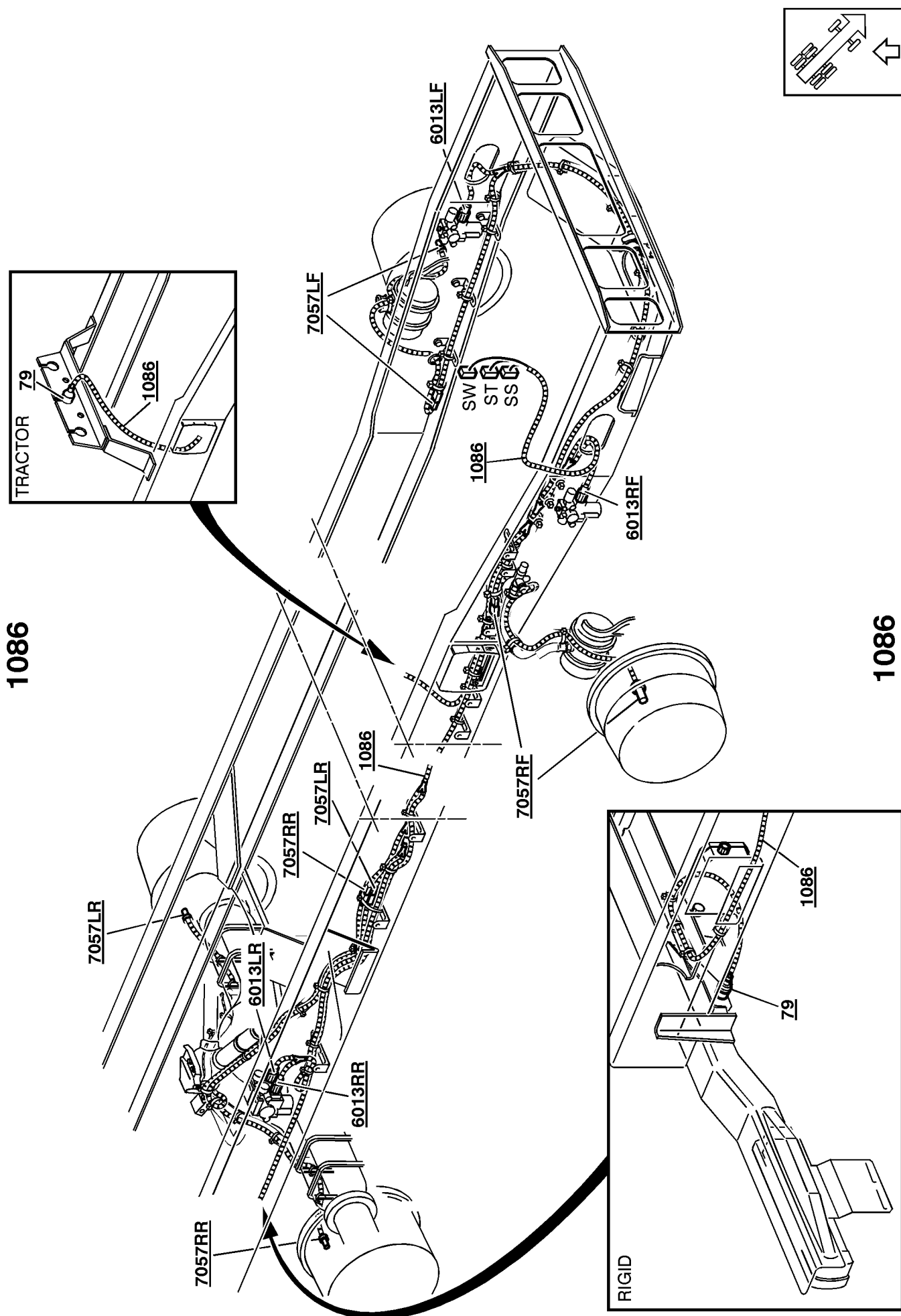
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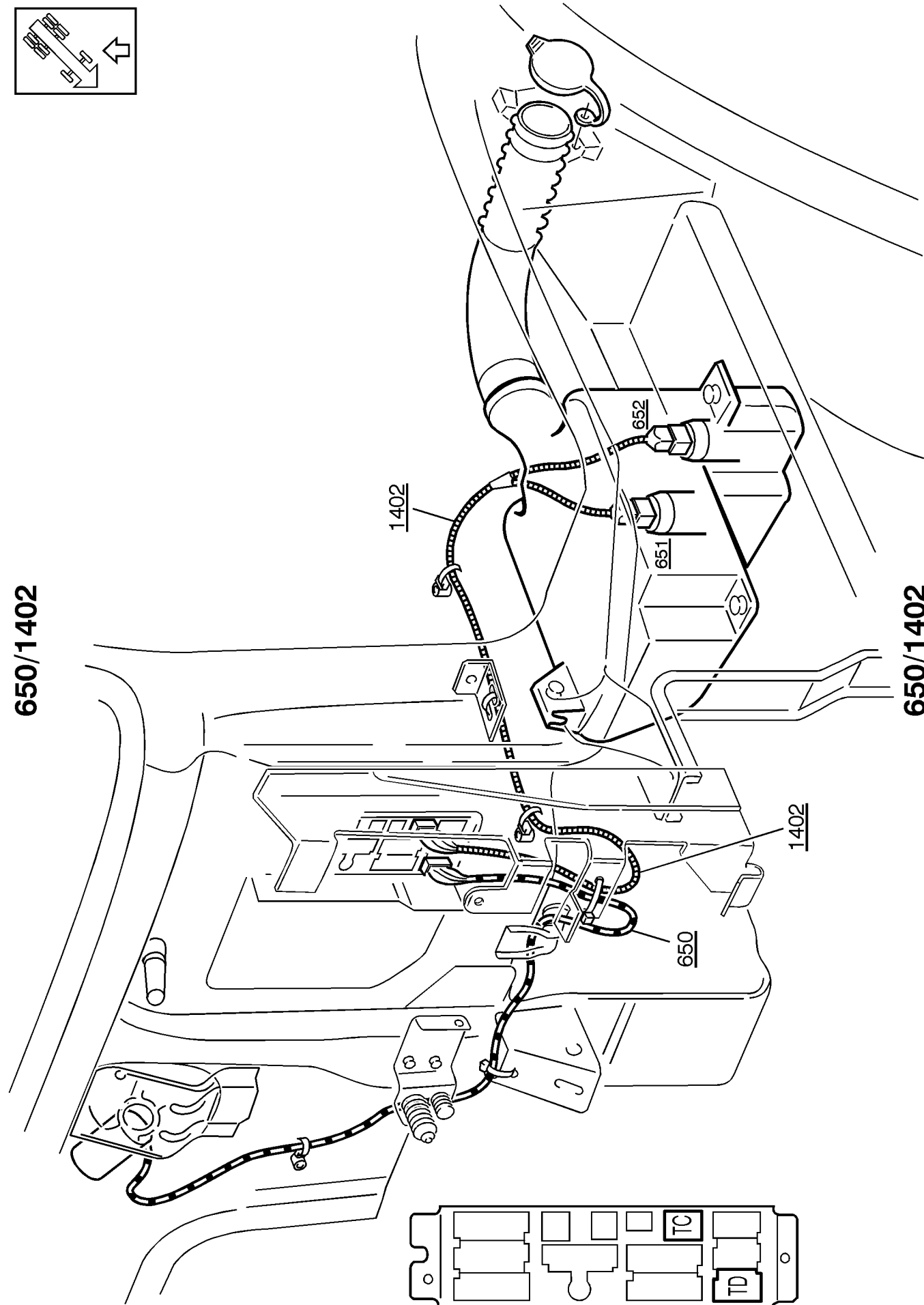
1083,WLIFT-EB, LOCK-CTL/LOCK-MRP

1083,WLIFT-EB, LOCK-CTL/LOCK-MRP

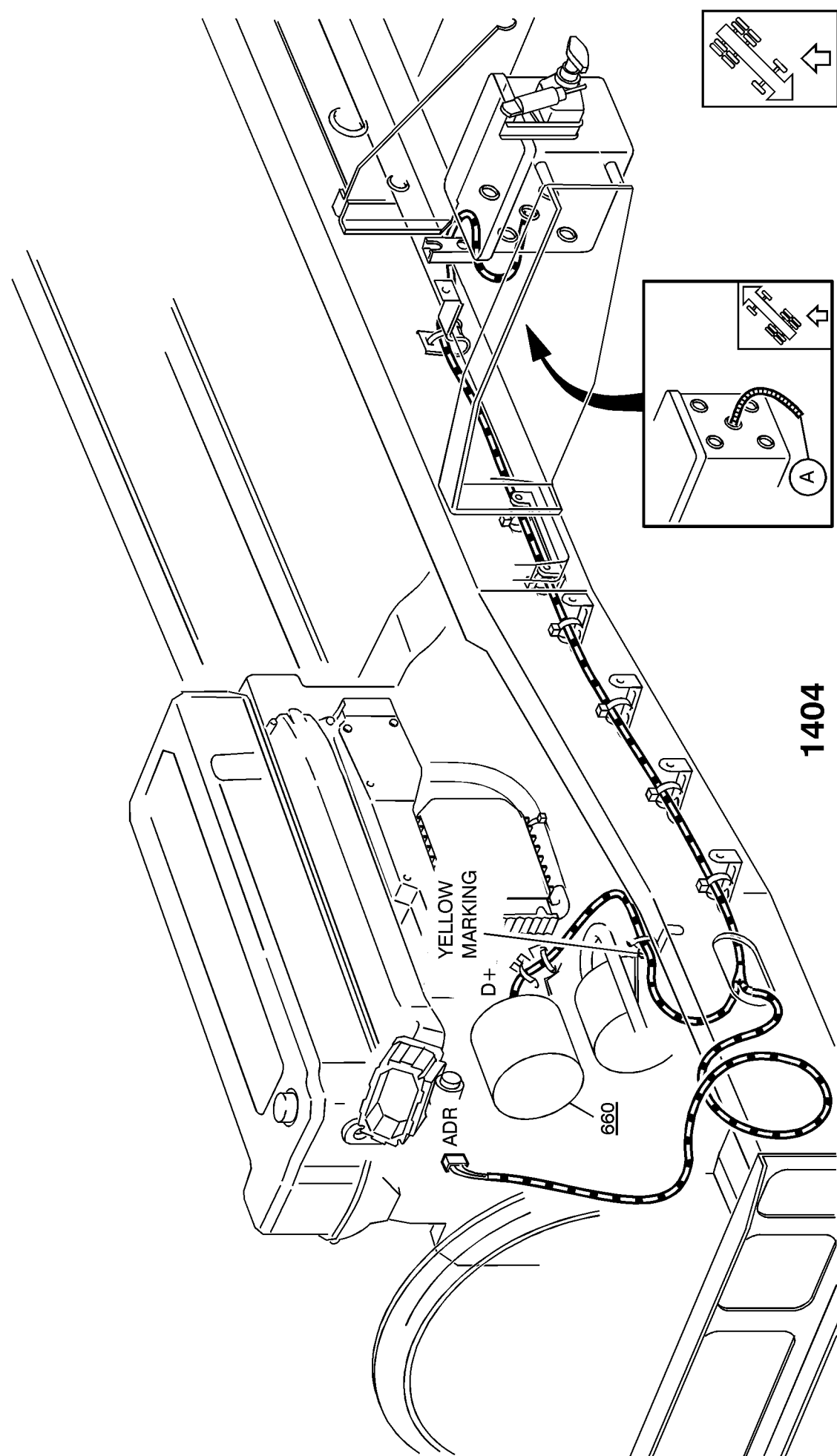








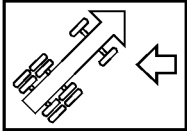
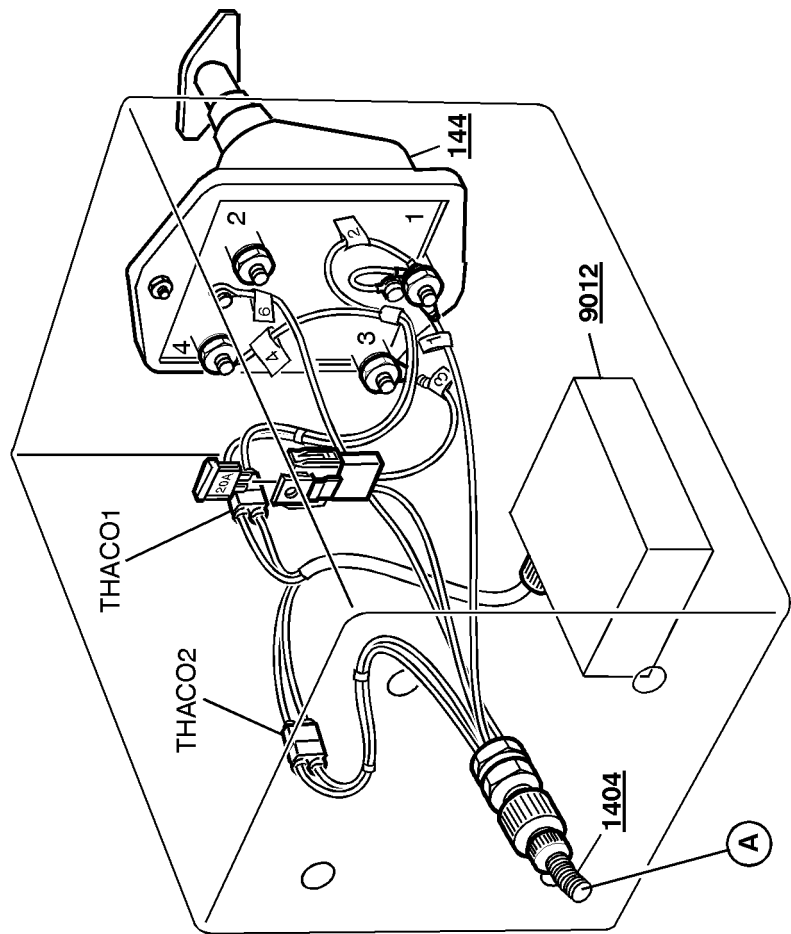
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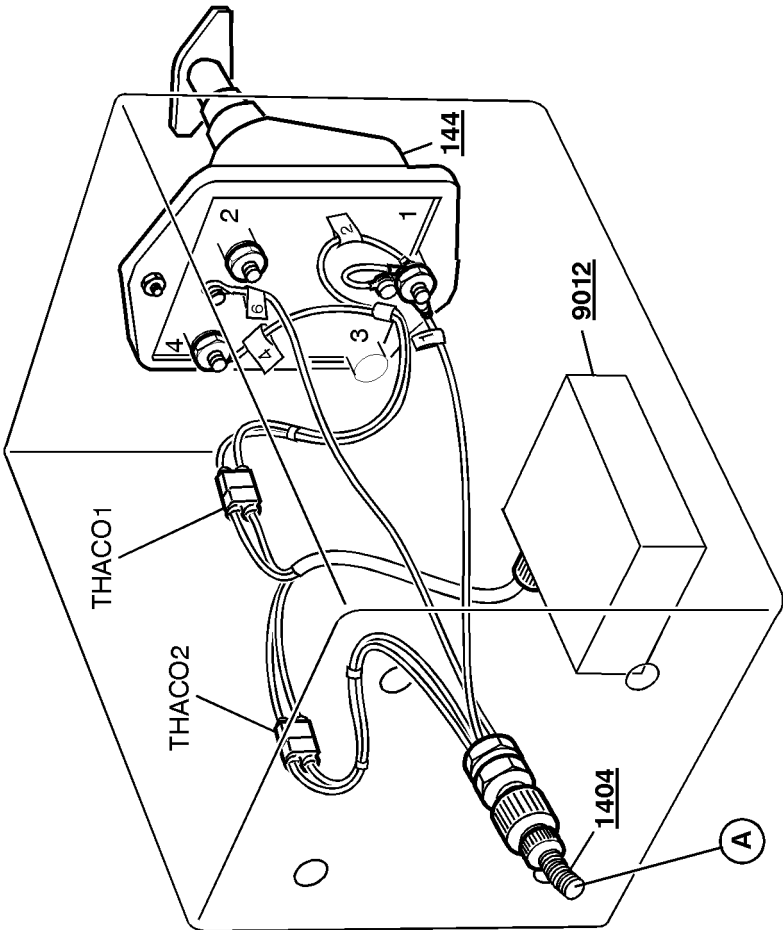
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1404

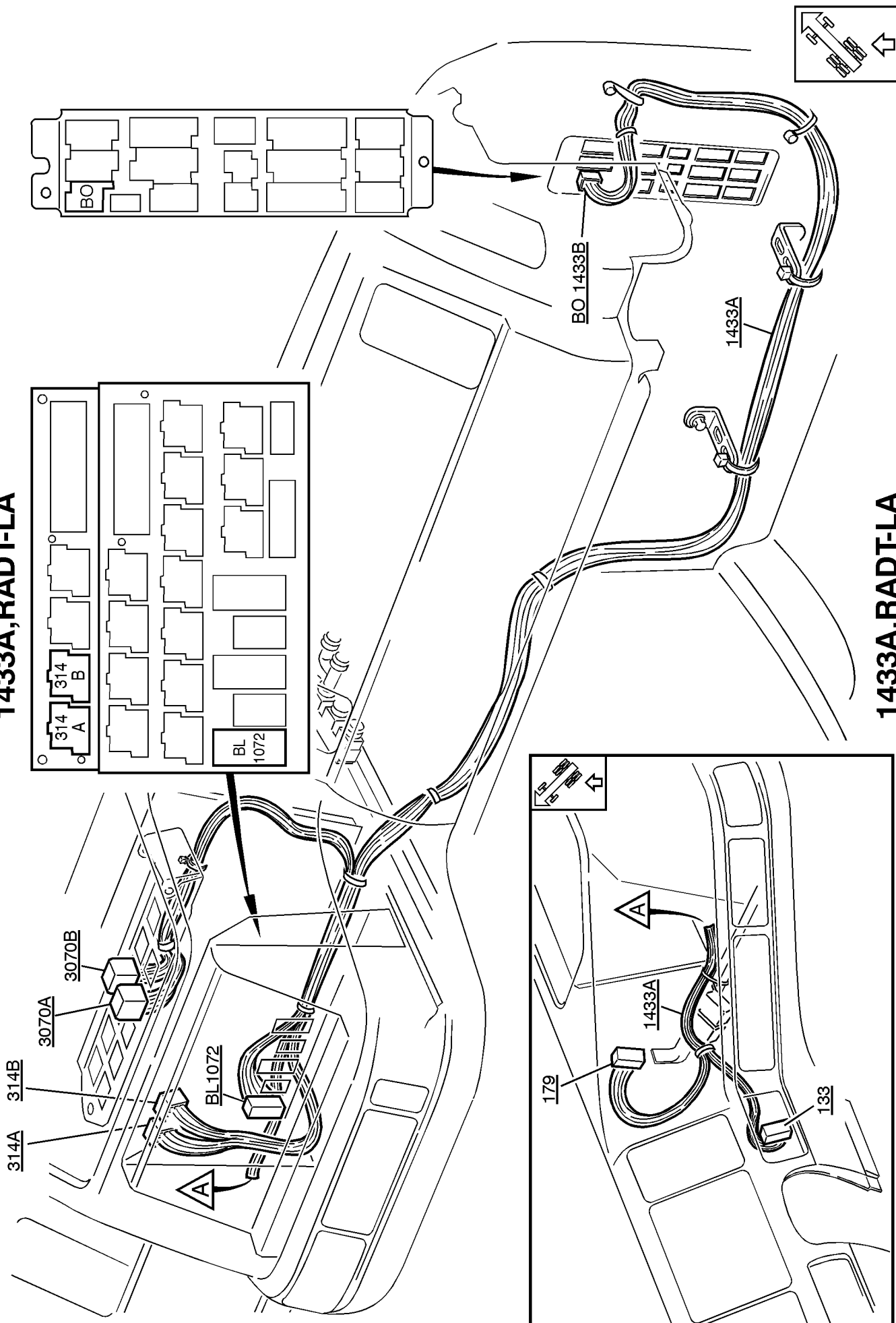
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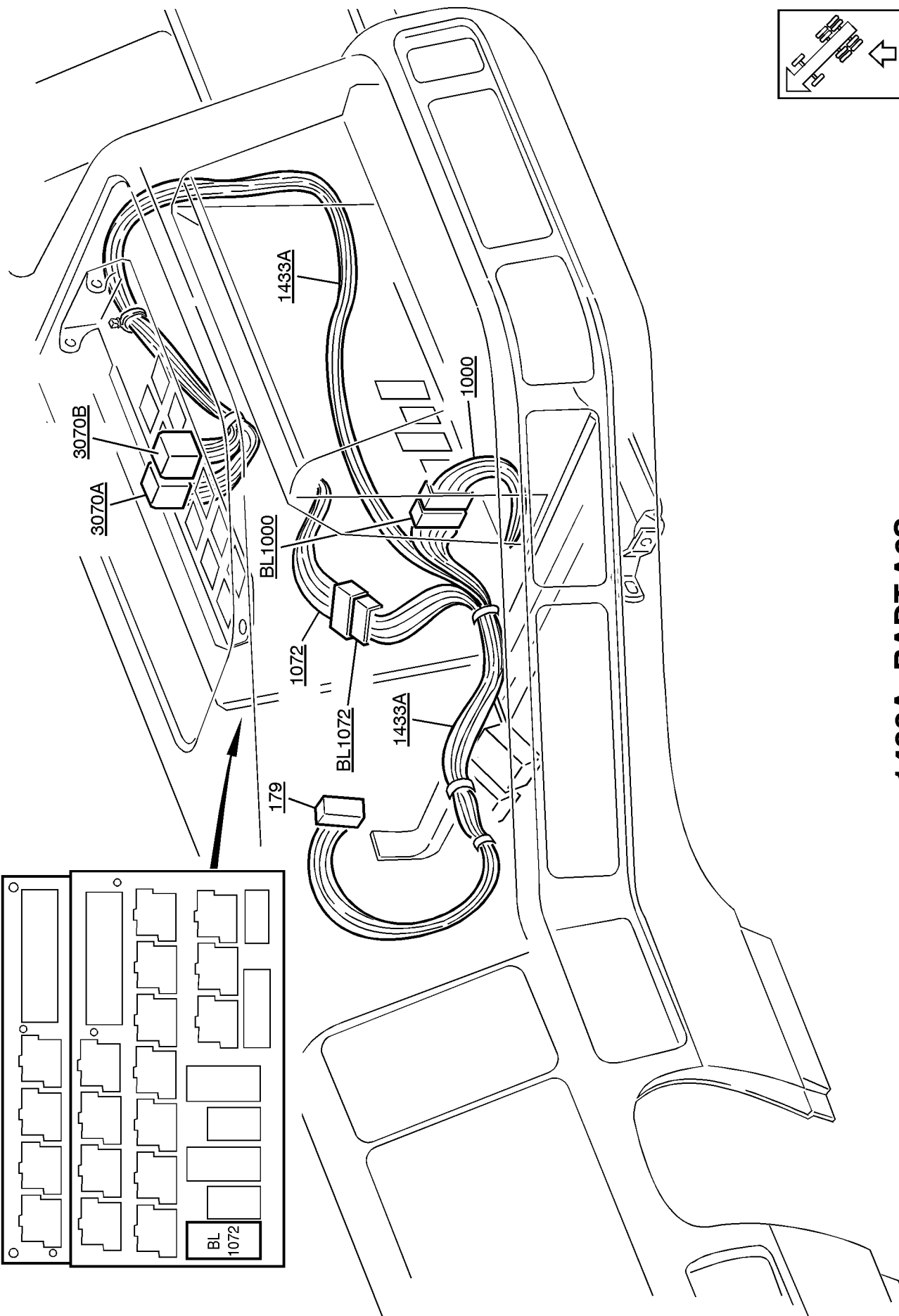
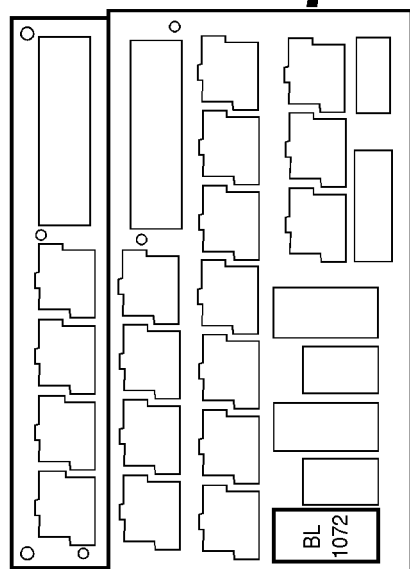
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**1433A, RADT-LA**

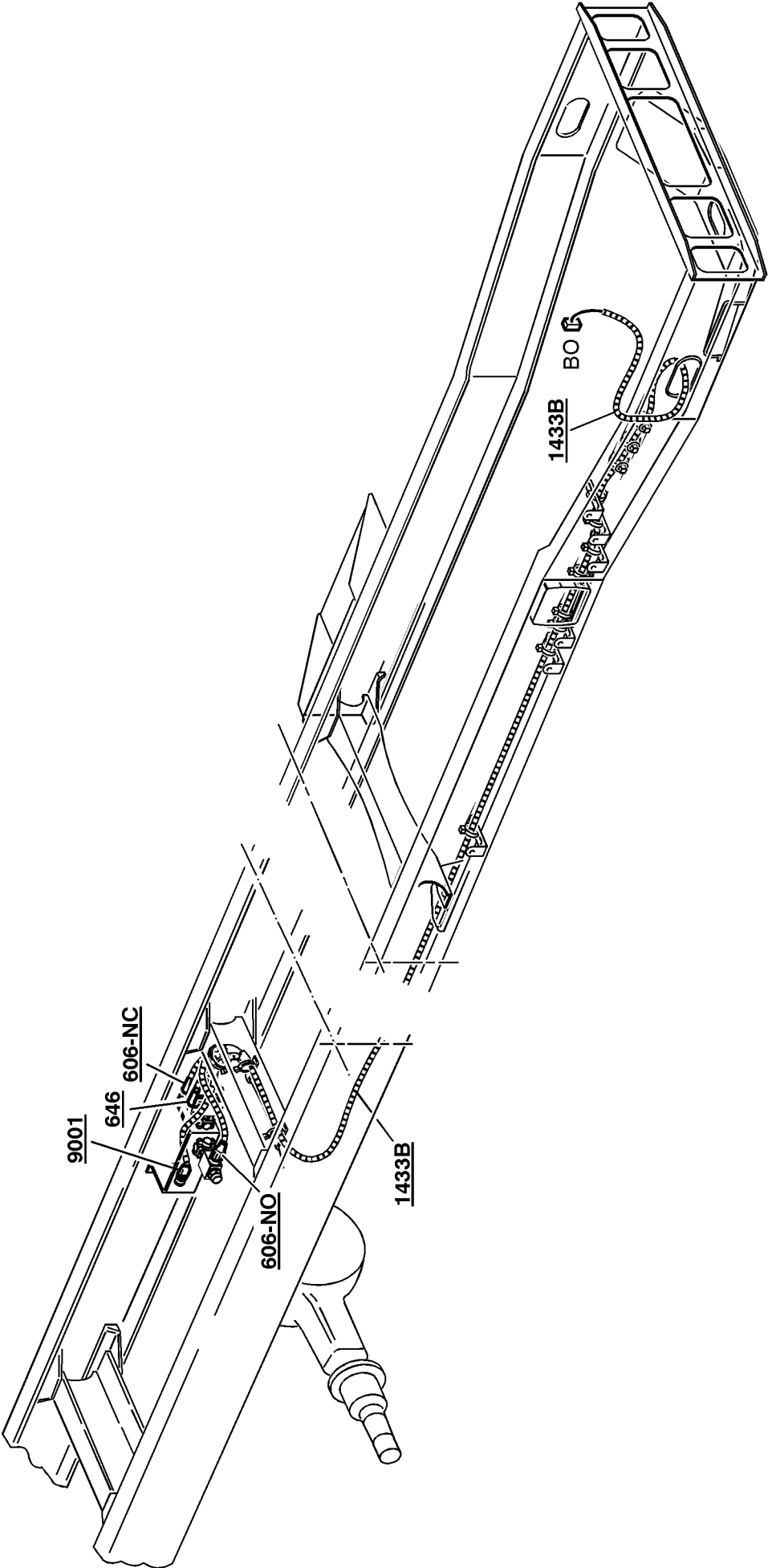


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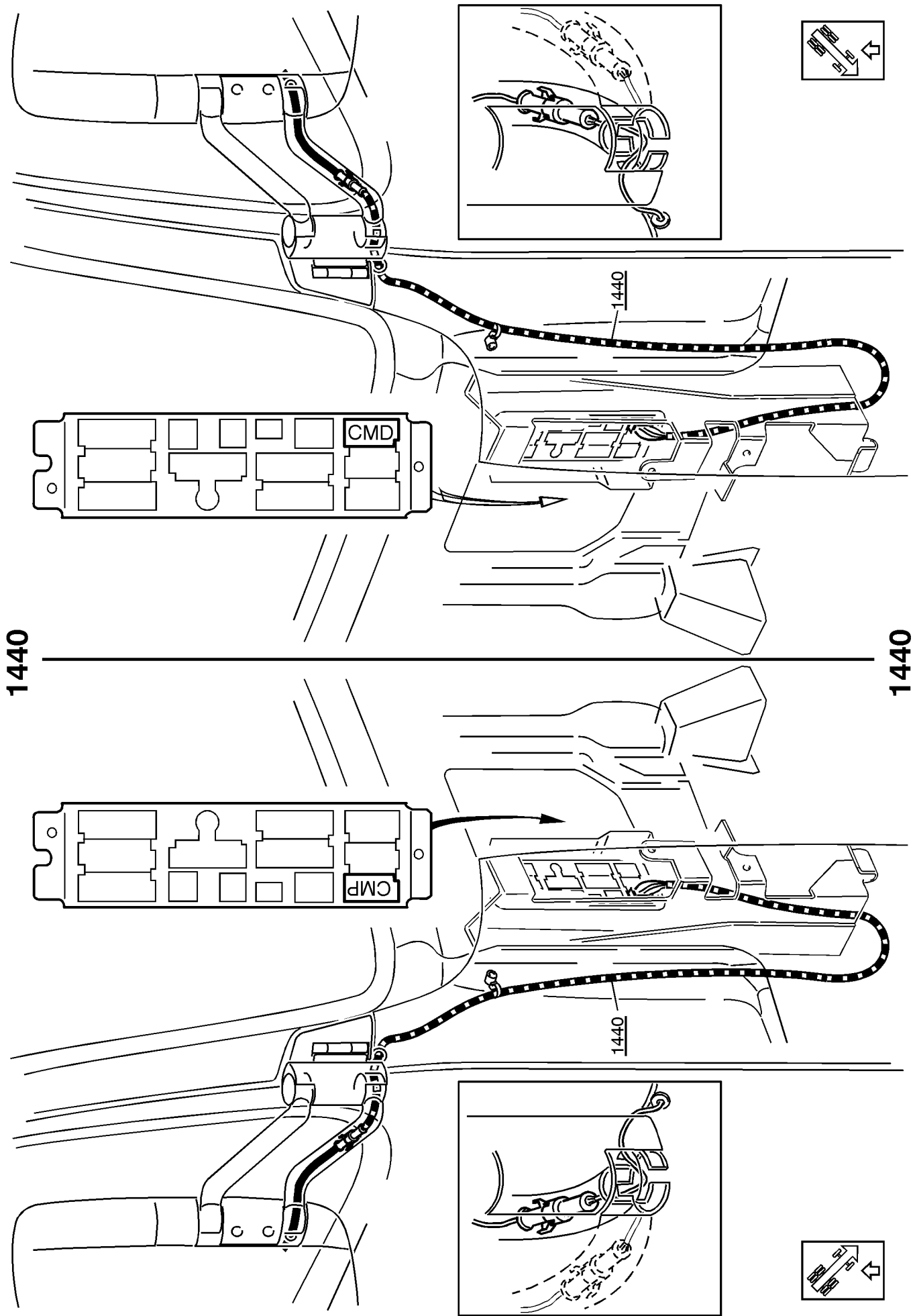


**1433A, RADT-A6S**

1433B

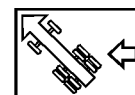
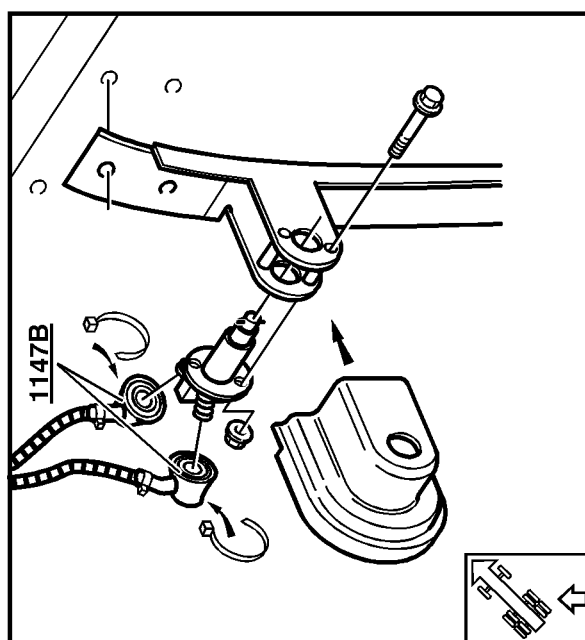
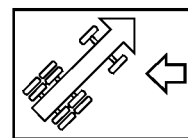
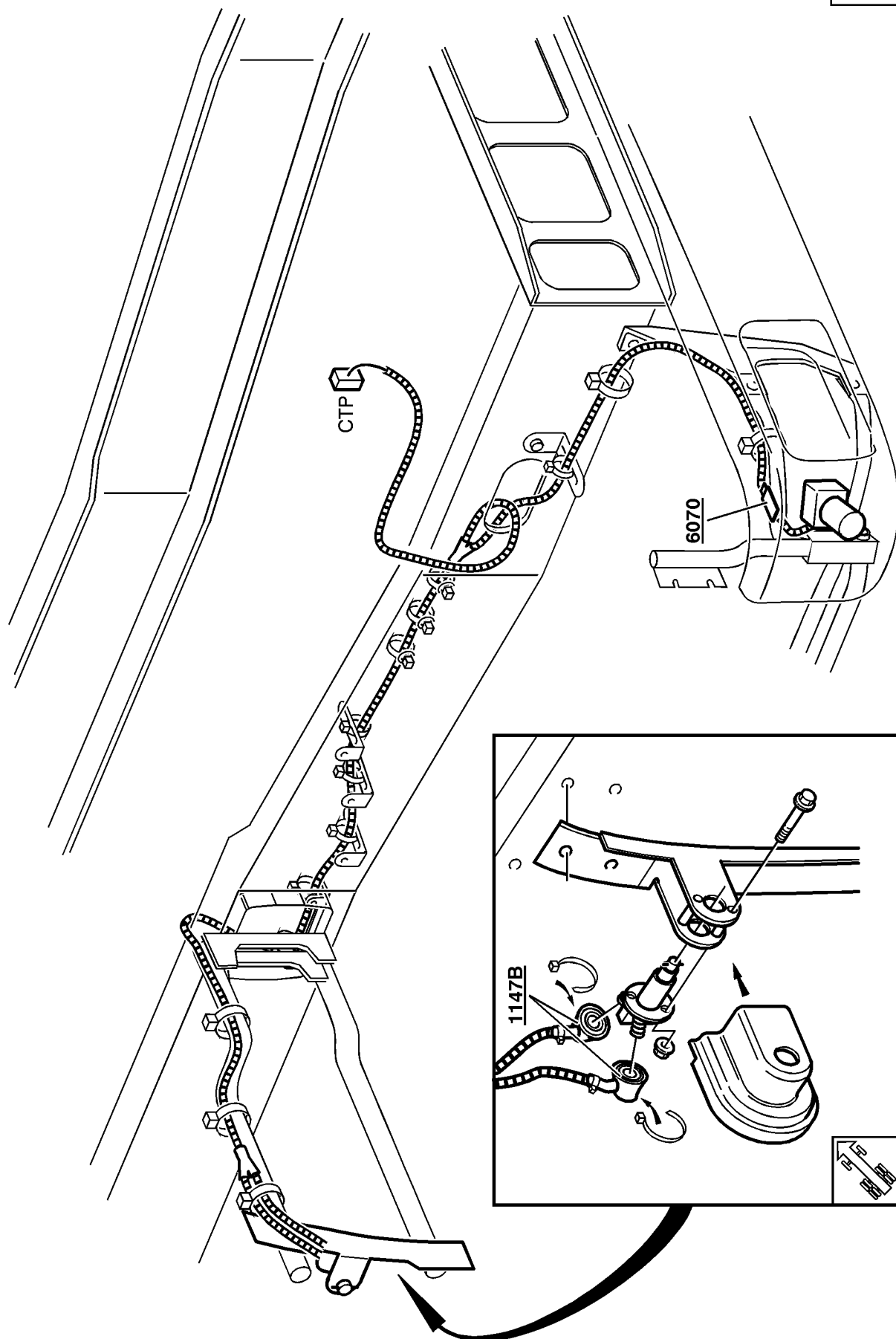


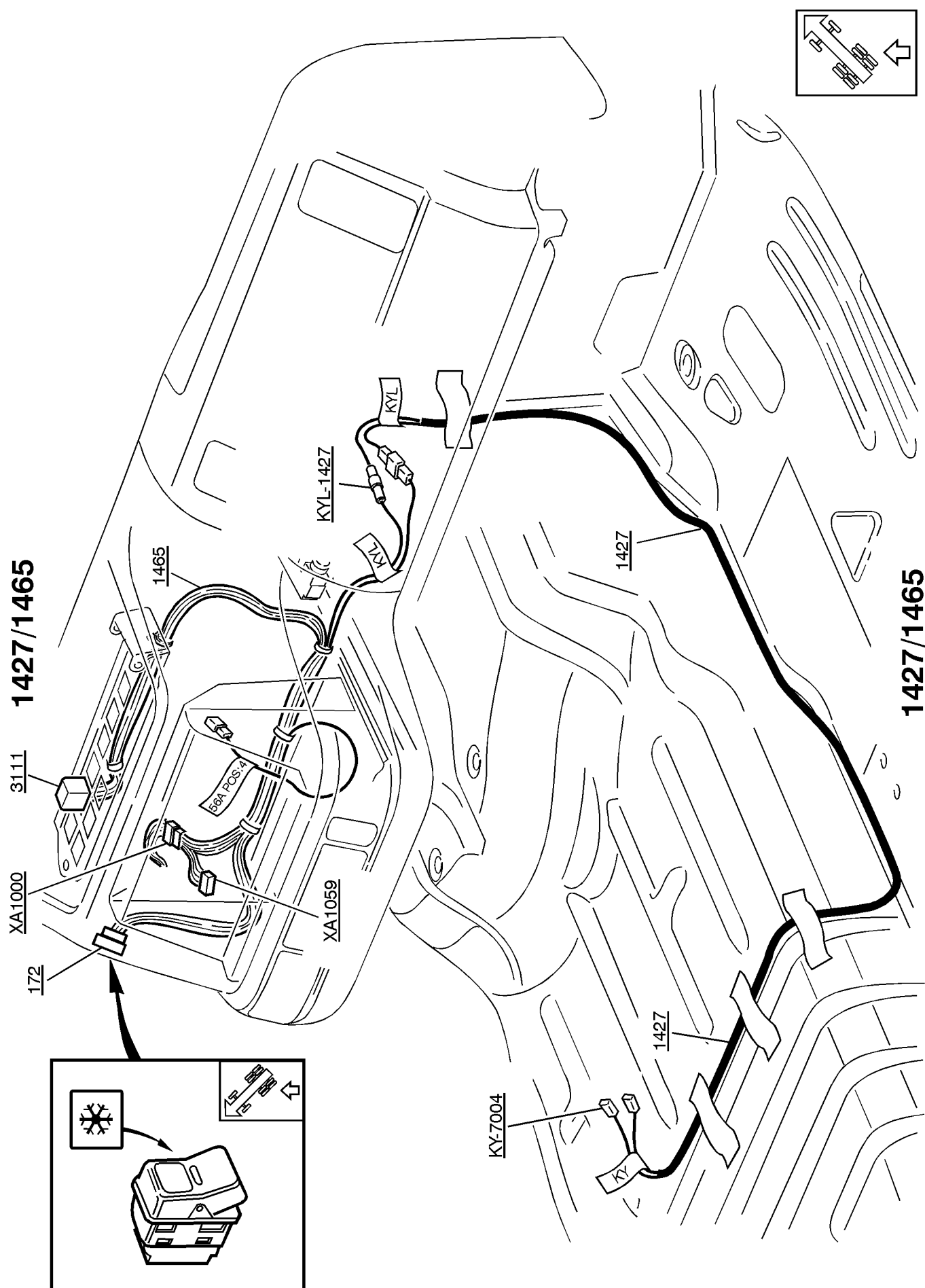
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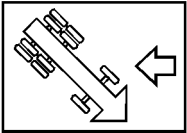


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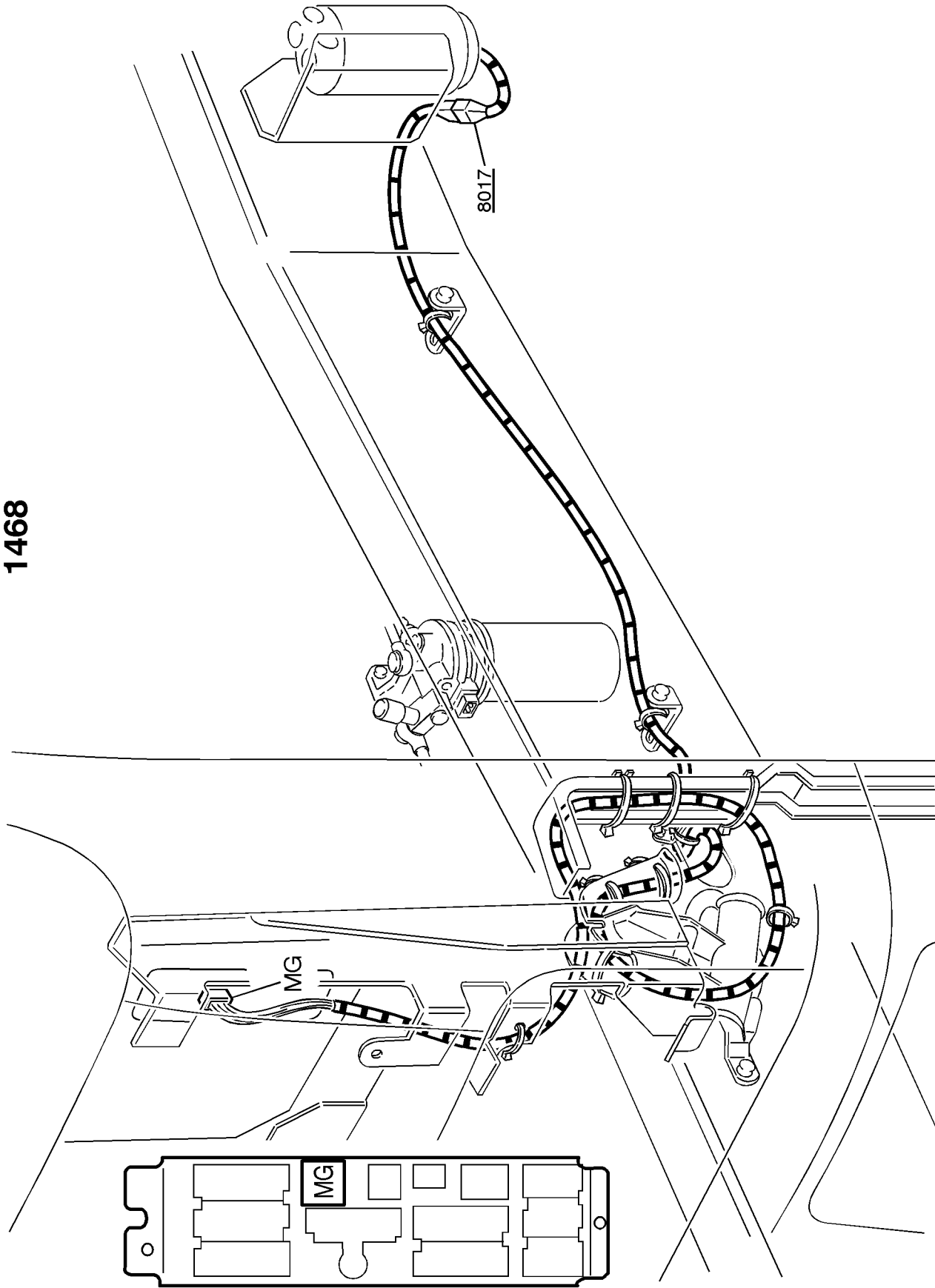
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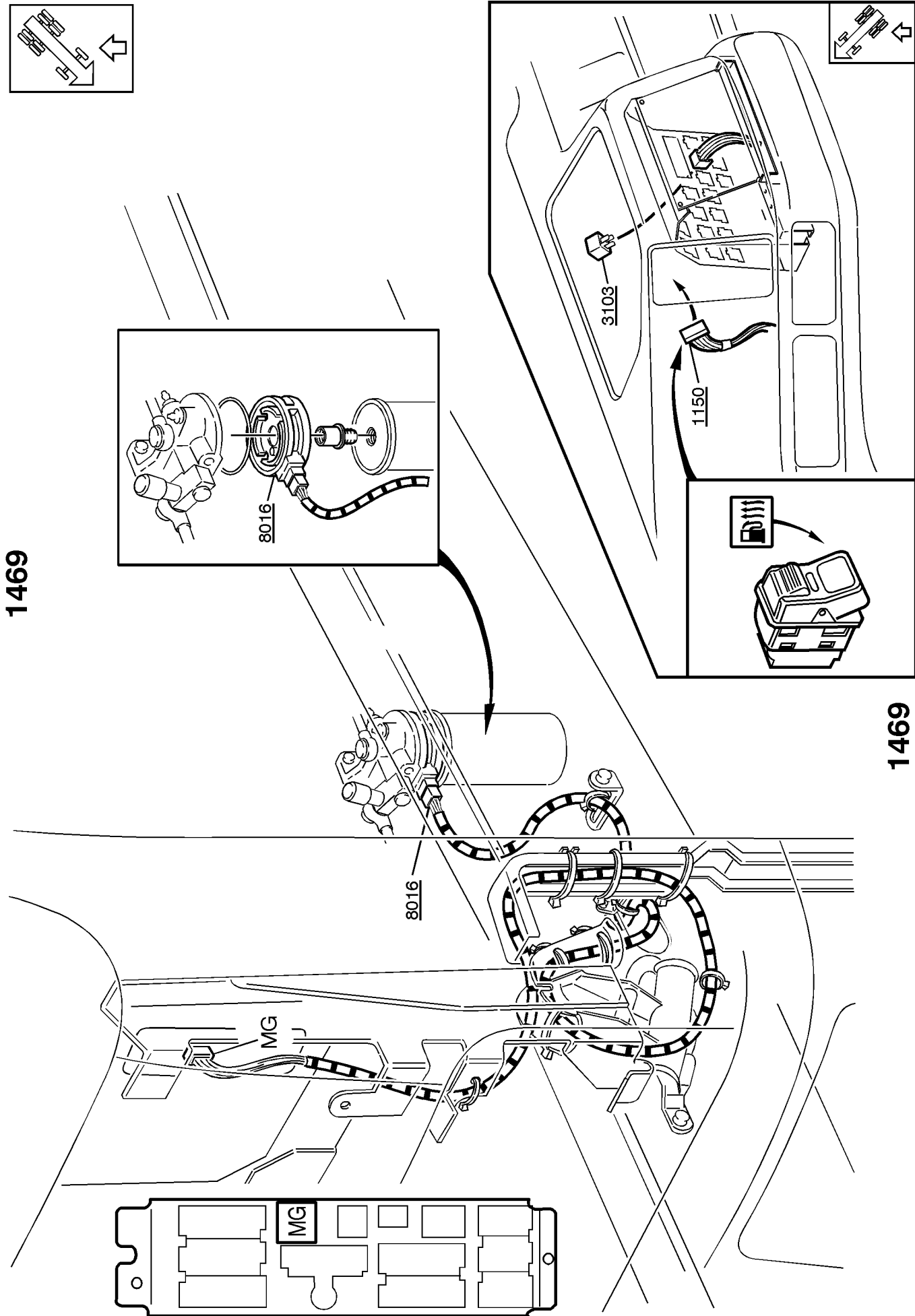




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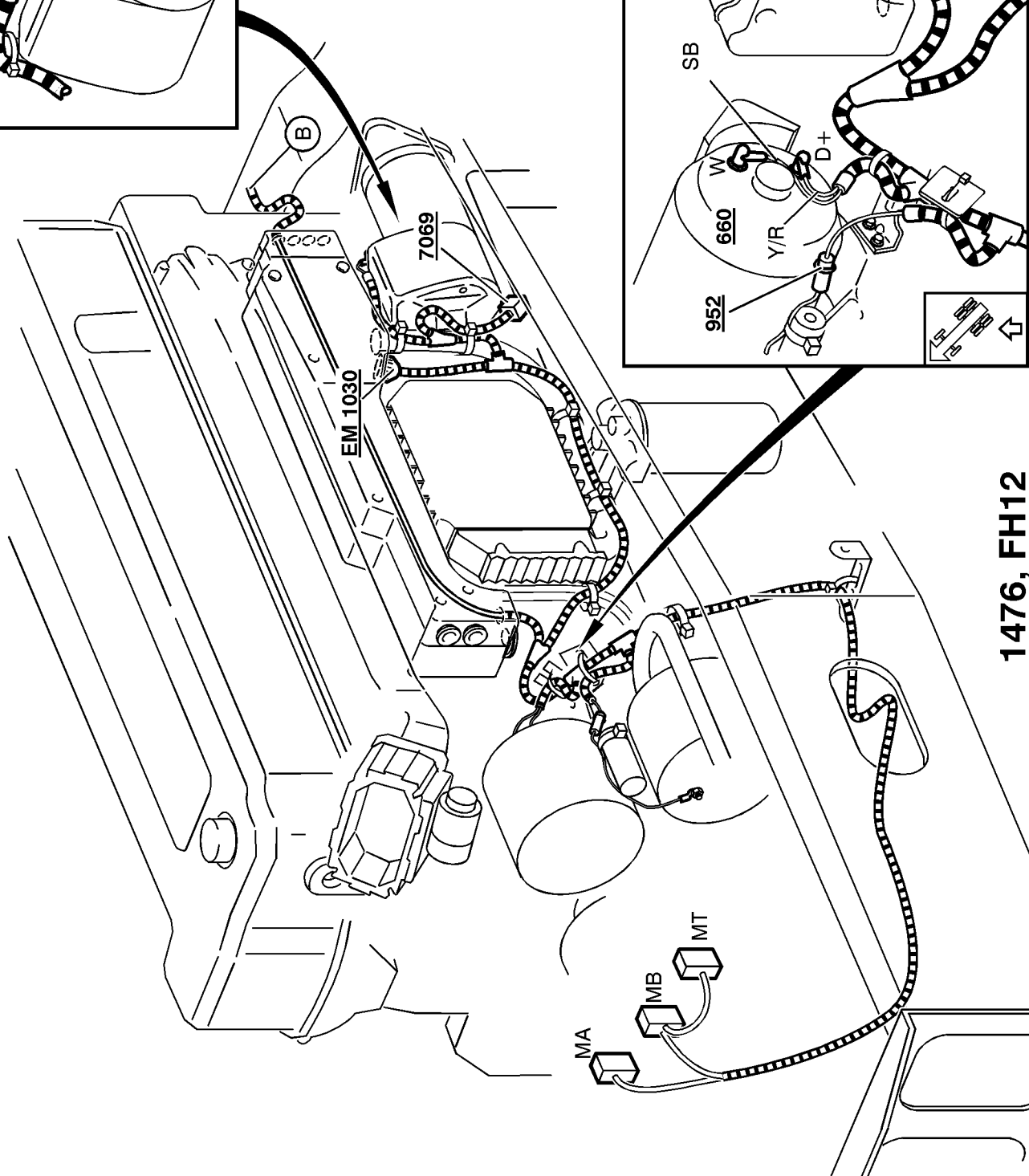
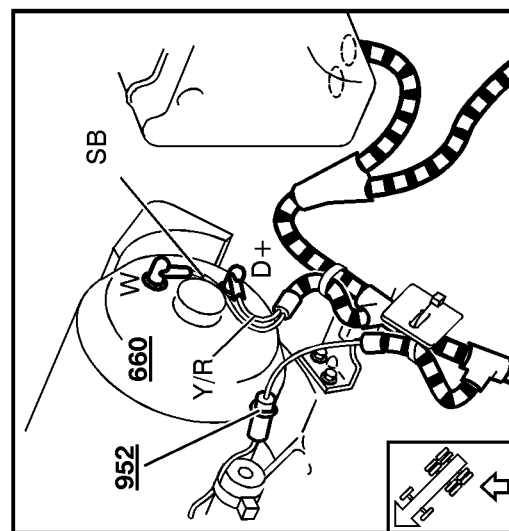
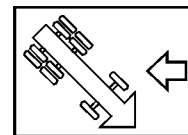
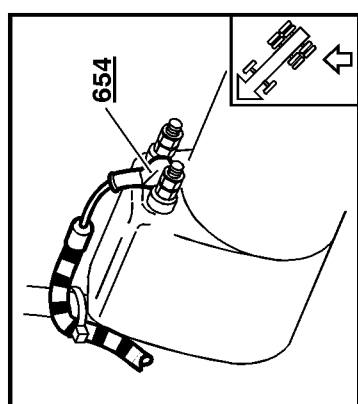


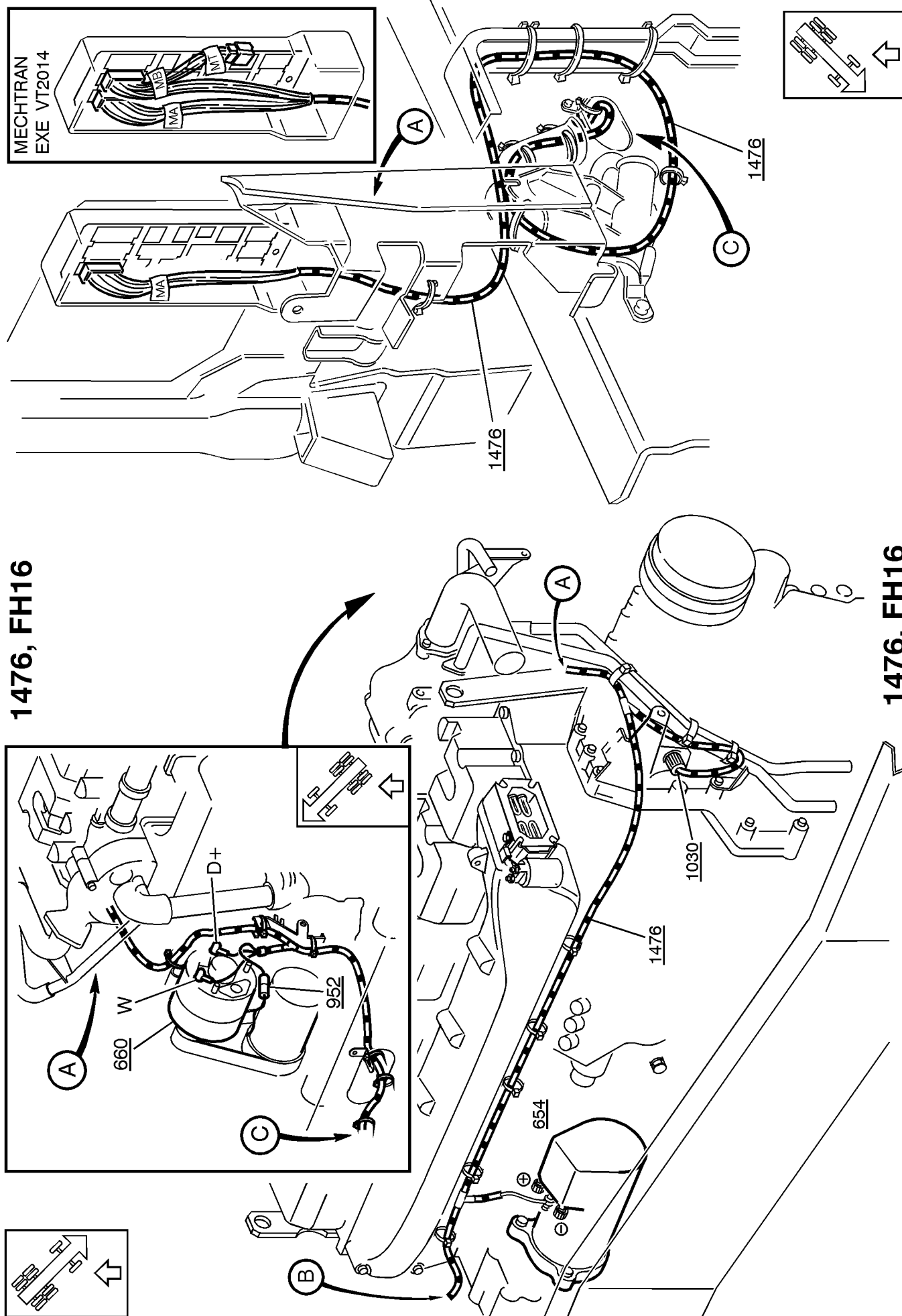
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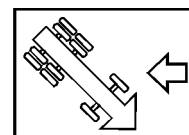


1476, FH12

1476, FH12

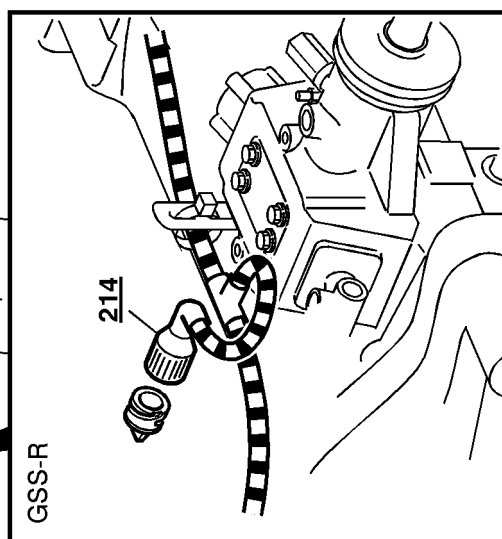
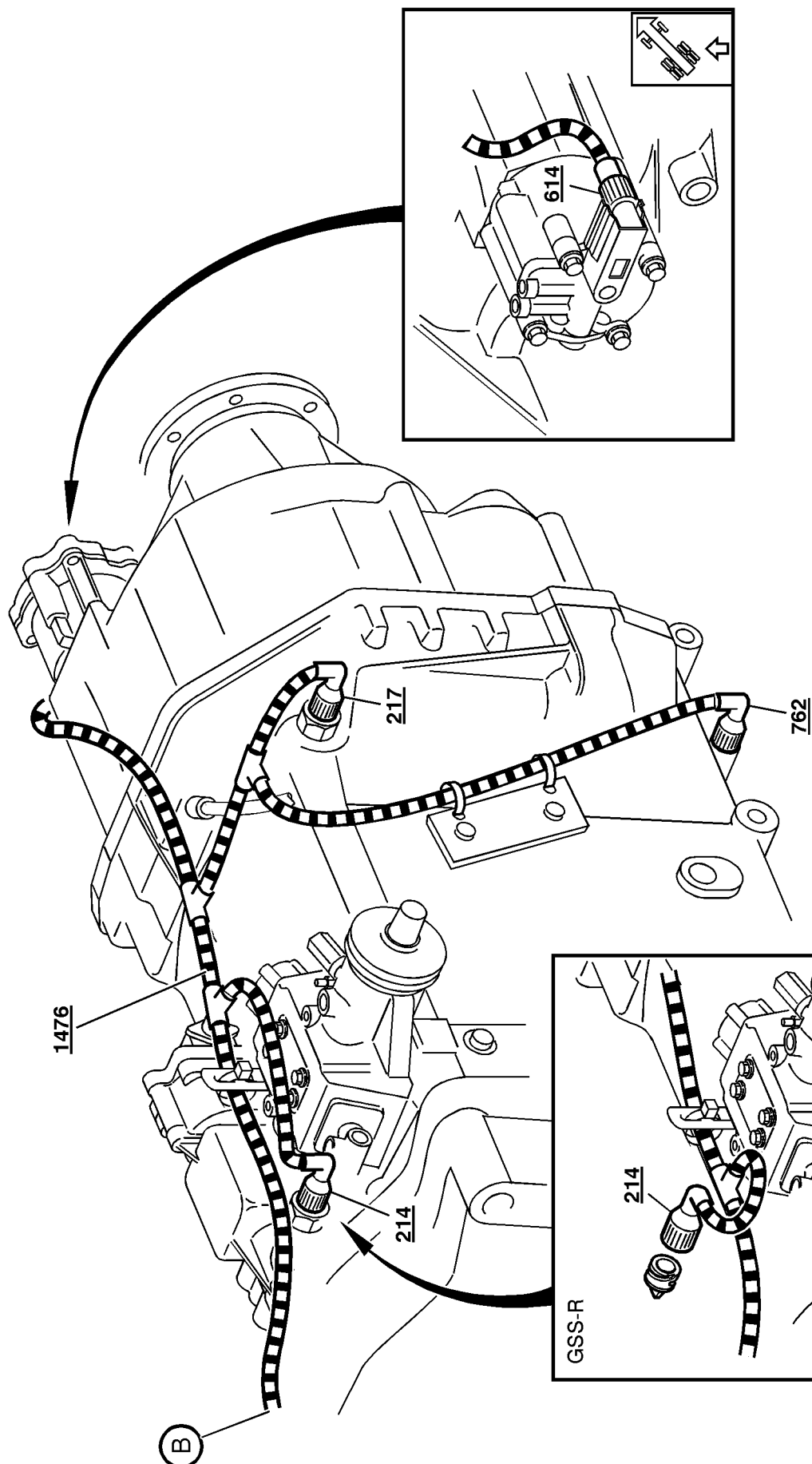




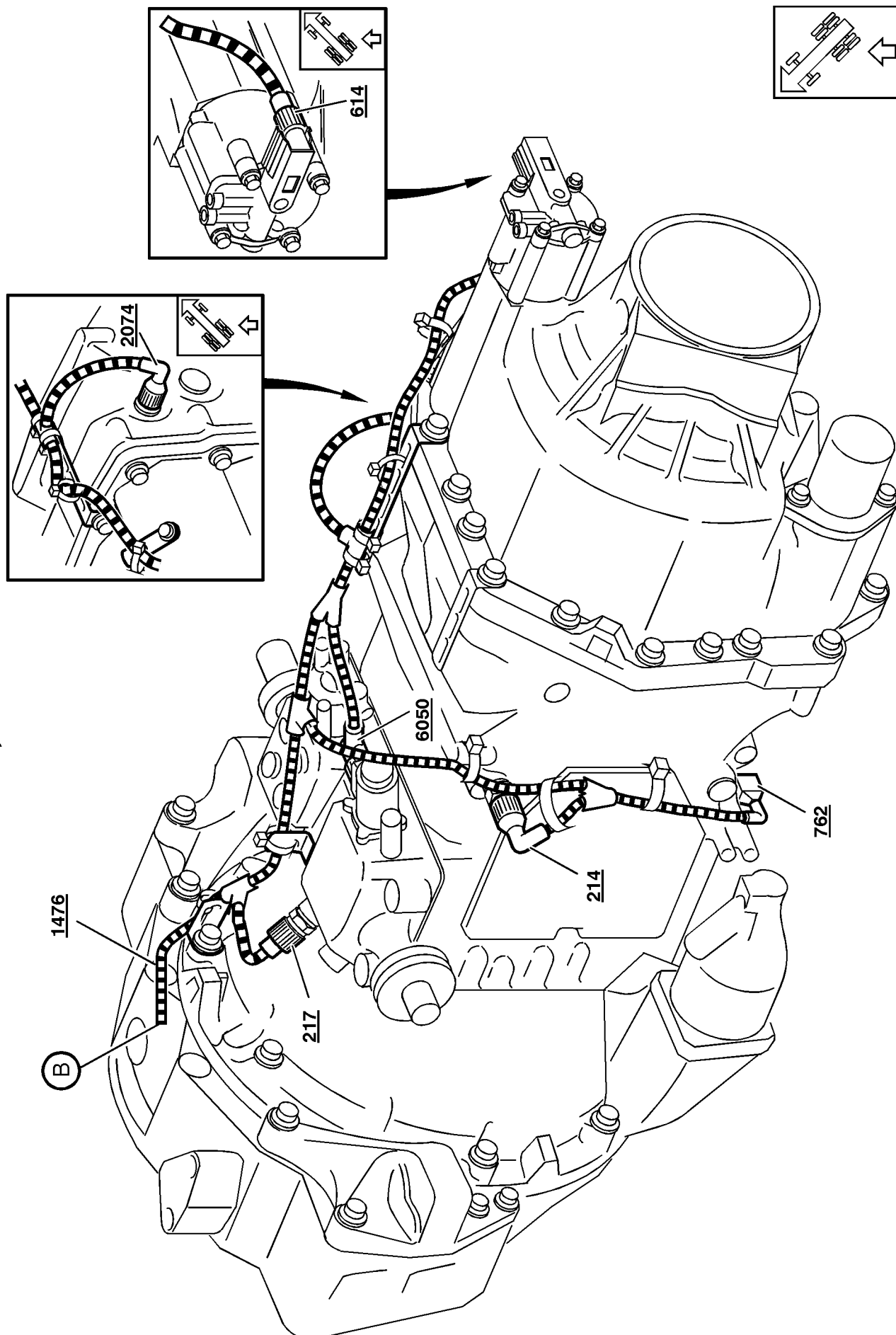


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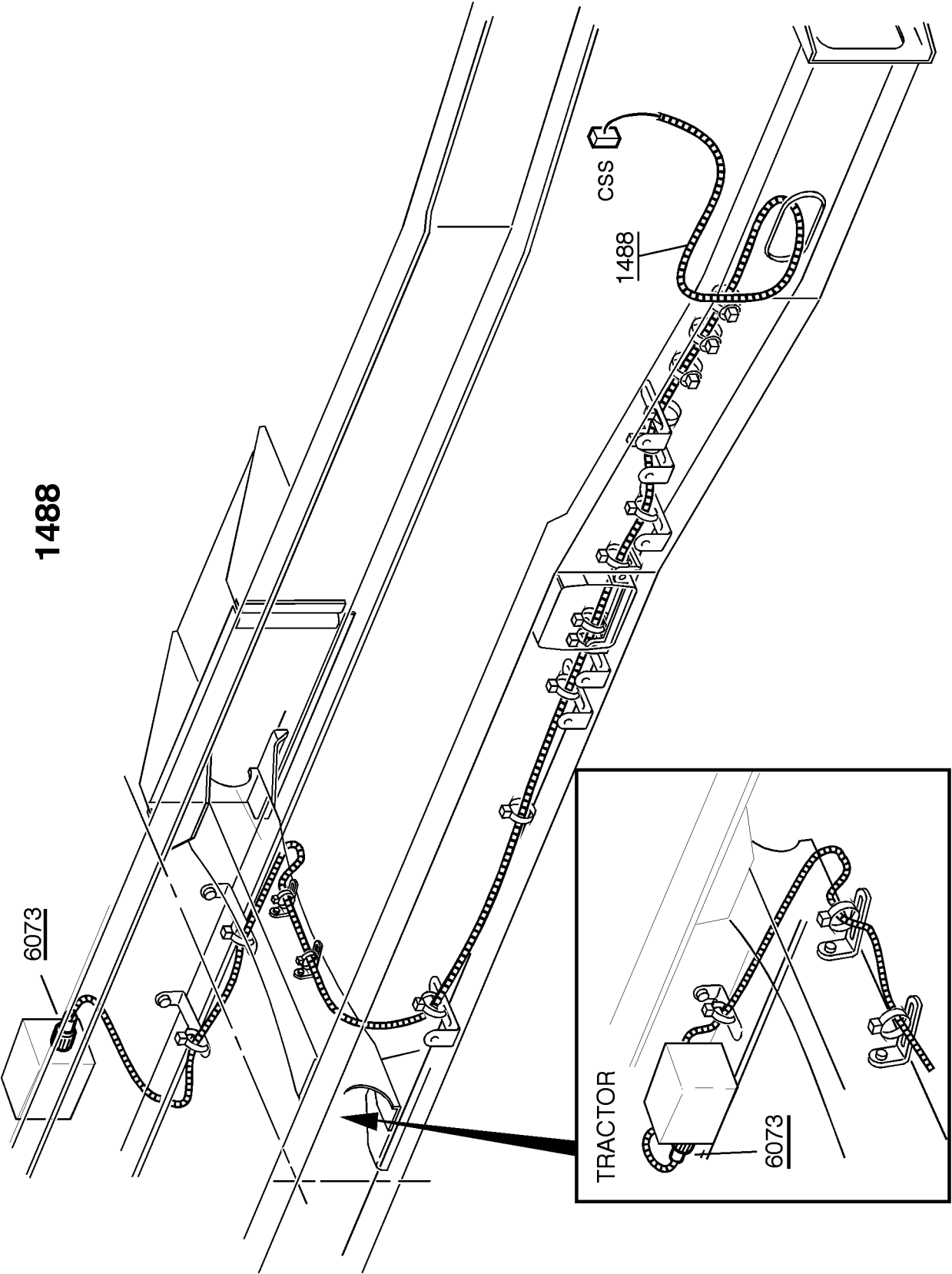
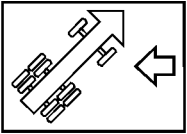
1476



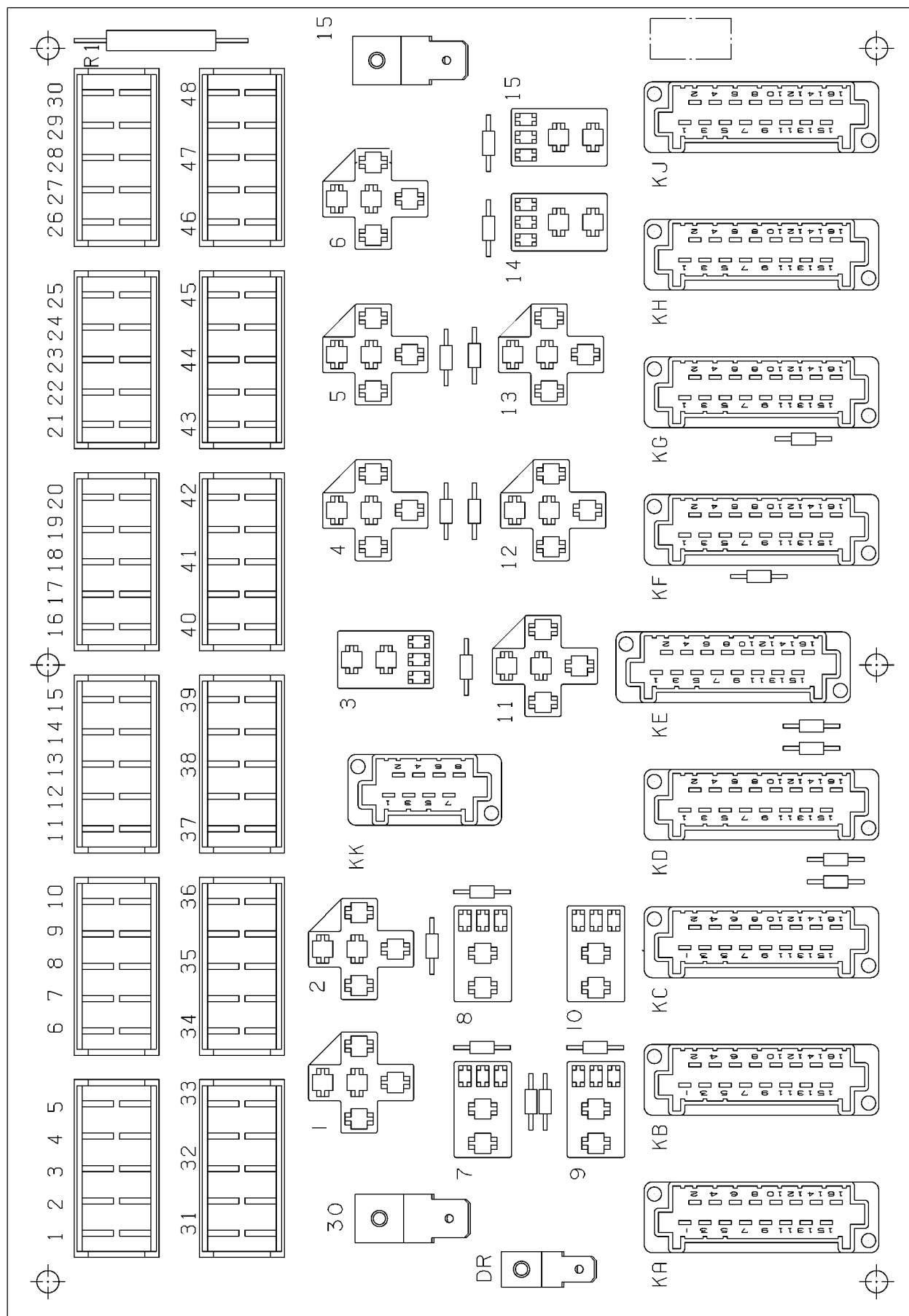
1476, VT2014



1476, VT2014



# Circuit card electrical centre



## Fuses on circuit card electrical centre

|     |                                                              |                    |     |                                                            |              |
|-----|--------------------------------------------------------------|--------------------|-----|------------------------------------------------------------|--------------|
| F1  | Air suspension/Hydraulic bo-<br>gielift (kl.DR) .....        | (AA36)             | F26 | Differential lock, power take off ..                       | (LG6)        |
| F2  | Range-,area-inhibitors, com-<br>pressor control .....        | (AC7)              | F27 | Electronic climate control .....                           | (HA3)        |
| F3  | SRS airbag, Immobiliser .....                                | (AA32)             | F28 | Direction indicator, Instrumentation<br>(kl.15) .....      | (CN7)        |
| F4  | Central door lock .....                                      | (KH8)              | F29 | Horn, solenoid valve for airhorn .                         | (FA7)        |
| F5  | Interior light, timer .....                                  | (ER16)(ES15)       | F30 | Cigarette lighter, centre section<br>storagelamp .....     | (EV8)        |
| F6  | Brake light trailer .....                                    | (CK17)             | F31 | Voltage divider for 12V. outlets ...                       | (EX14)       |
| F7  | Instrumentation (kl.30) .....                                | (NB4)(NZ3)         | F32 | Foglight, rear foglight .....                              | (CG6)        |
| F8  | Voltage divider for radio .....                              | (EX7)              | F33 | Park. light truck lhs .....                                | (CE19)       |
| F9  | Brake light truck .....                                      | (CK9)              | F34 | Park. light trailer lhs .....                              | (CE22)       |
| F10 | Spotlight .....                                              | (CH5)(CI4)         | F35 | Bedlamps, luggage comp. lamp,<br>bedlock .....             | (ER46)(ES46) |
| F11 | Fullbeam flash .....                                         | (CE64)             | F36 | Park. light trailer rhs .....                              | (CE24)       |
| F12 | Air suspension (kl.30) .....                                 | (ME45)(MF41)(MG26) | F37 | Park. light truck rhs .....                                | (CE26)       |
| F13 | El. heated rearview mirrors .                                | (HG4)              | F38 | Direction indicator, hazard warning<br>light (kl.30) ..... | (CN10)       |
| F14 | Preheating, relay "radiopos."                                | (AA12)             | F39 | Dipped beam rhs .....                                      | (CE53)       |
| F15 | Dipped beam lhs .....                                        | (CE49)             | F40 | Fullbeam rhs .....                                         | (CE55)       |
| F16 | Fullbeam lhs, fullbeam ind.<br>lamp .....                    | (CE51)             | F41 | El. window winder, passenger<br>side .....                 | (KA22)       |
| F17 | Radiopos. startswitch .....                                  | (AA43)             | F42 | El. window winder, driver side ....                        | (KA4)        |
| F18 | Cooling fan control, preheat<br>relay .....                  | (BL51)(BN51)       | F43 | Engine ECU .....                                           | (BL23)(BN23) |
| F19 | Vehicle ECU .....                                            | (AC19)             | F44 | Revers light, revers warning<br>alarm .....                | (EA9)        |
| F20 | Engine solenoid valves .....                                 | (BL44)(BN44)       | F45 | Fan, climate unit .....                                    | (HA6)        |
| F21 | Instrumentation, el. heated<br>mirror relay (kl.61) .....    | (NA60)             | F46 | El heated seat, park. heater .....                         | (HE6)        |
| F22 | DRL (day running light/Dim-<br>dip) .....                    | (CE41)             | F47 | Windscreen wiper .....                                     | (GA30)       |
| F23 | El. heated airdryer .....                                    | (HK5)              | F48 | Headlamp wiper, windscreen and<br>headlamp washer .....    | (GA16)       |
| F24 | Extra equipment "XA", relay<br>bodybuilder fusebox (kl.15) . | (XA9)              |     |                                                            |              |
| F25 | El. adjustable mirrors .....                                 | (HH5)              |     |                                                            |              |

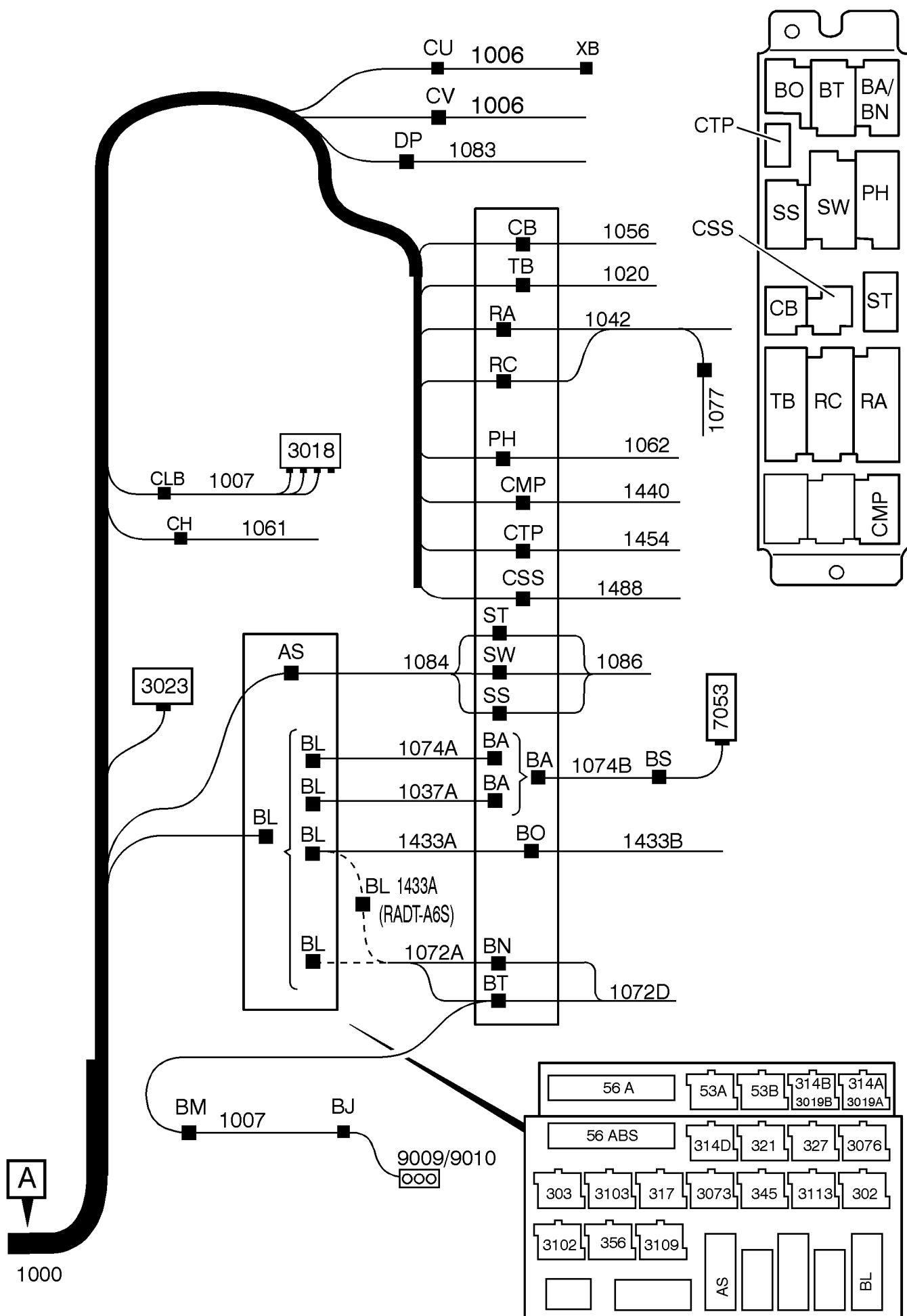
## Relays on circuit card electrical centre

|      |                                 |        |      |                                     |              |
|------|---------------------------------|--------|------|-------------------------------------|--------------|
| 301  | Relay, fog lights"9"            | (CG5)  | 315R | Relay, starting switch"4"           | (AA42)       |
| 305  | Relay, reversing lights"12"     | (EA7)  | 343  | Relay, rear fog lights"7"           | (CG12)       |
| 306  | Relay, full beams"11"           | (CE55) | 348A | Relay, fan,climate unit"13"         | (HA6)        |
| 307  | Relay, dipped beams"3"          | (CE48) | 360  | Relay, power take off inhibitor"14" | (LD3)(LE4)   |
| 308  | Relay, brake lights truck"8"    | (CK8)  | 379  | Relay, fuel injection"5"            | (AC17)       |
| 308B | Relay, brake lights trailer"10" | (CK15) | 3005 | Alternator-controlled relay"6"      | (AA52)       |
| 309L | Relay, parking lights lhs"1"    | (CE19) | 3101 | Relay, interior lamps"15"           | (ER13)(ES13) |
| 309R | Relay, parking lights rhs"2"    | (CE26) |      |                                     |              |

## Cable harness illustration index

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## List of connectors

|      |        |      |        |      |        |
|------|--------|------|--------|------|--------|
| A1   | (NB9)  | BJ2  | (ME45) | BM5  | (MG20) |
| A1   | (ZD29) | BJ2  | (MF34) | BM6  | (ME38) |
| A2   | (NB15) | BJ2  | (MF44) | BM6  | (MF38) |
| A2   | (NZ15) | BJ2  | (MG19) | BM6  | (MG21) |
| A3   | (NB11) | BJ3  | (ME35) | BM7  | (ME39) |
| A3   | (NZ32) | BJ3  | (MF35) | BM7  | (MF39) |
| A4   | (NB14) | BJ4  | (ME36) | BM7  | (MG22) |
| A4   | (NZ13) | BJ4  | (MF36) | BM8  | (ME40) |
| A5   | (NB15) | BJ5  | (ME37) | BM8  | (MF40) |
| A5   | (NZ16) | BJ5  | (ME46) | BM8  | (MG23) |
| A5   | (ZA11) | BJ5  | (MF37) | BM8  | (ZB64) |
| A5   | (ZD36) | BJ5  | (MF45) | BN1  | (ME21) |
| A6   | (NB17) | BJ5  | (MG20) | BN1  | (MF13) |
| A6   | (NZ31) | BJ6  | (ME38) | BN1  | (MG7)  |
| A6   | (ZA1)  | BJ6  | (ME47) | BN2  | (ME16) |
| ADR1 | (ZD25) | BJ6  | (MF38) | BN2  | (MF16) |
| ADR2 | (ZD23) | BJ6  | (MF46) | BN2  | (MG4)  |
| ADR3 | (ZD25) | BJ6  | (MG21) | BN3  | (ME17) |
| ADR5 | (ZD33) | BJ7  | (ME39) | BN3  | (MF17) |
| ADR6 | (ZD34) | BJ7  | (ME48) | BN3  | (MG5)  |
| ADR7 | (ZD28) | BJ7  | (MF39) | BN4  | (ME22) |
| ADR8 | (ZD29) | BJ7  | (MF48) | BN4  | (MF22) |
| AS1  | (CK12) | BJ7  | (MG22) | BN4  | (MG9)  |
| AS10 | (AC8)  | BJ8  | (ME40) | BN5  | (ME11) |
| AS11 | (AC24) | BJ8  | (ME49) | BN5  | (MF11) |
| AS12 | (AC30) | BJ8  | (MF40) | BN5  | (MG4)  |
| AS13 | (CL10) | BJ8  | (MF49) | BN6  | (ME13) |
| AS14 | (ZB54) | BJ8  | (MG23) | BN6  | (MF13) |
| AS2  | (AC38) | BJ8  | (ZB64) | BN6  | (MG7)  |
| AS3  | (AC46) | BL1  | (ME46) | BN7  | (ME16) |
| AS4  | (NB53) | BL1  | (MF42) | BN7  | (MF16) |
| AS4  | (NZ51) | BL1  | (MG27) | BN7  | (MG9)  |
| AS5  | (CK19) | BL2  | (AA36) | BN8  | (ME18) |
| AS6  | (OA16) | BL3  | (CE41) | BN8  | (MF18) |
| AS8  | (NA44) | BL4  | (NA19) | BN8  | (MG6)  |
| AS9  | (NB55) | BL5  | (AC37) | BO1  | (LJ13) |
| AS9  | (NZ53) | BL6  | (AC47) | BO2  | (LJ19) |
| B1   | (NB20) | BL7  | (NC39) | BO2  | (ZB27) |
| B1   | (NZ7)  | BL8  | (ME34) | BO3  | (LJ28) |
| B1   | (NZ8)  | BL9  | (ME35) | BO4  | (LJ7)  |
| B2   | (NB21) | BL10 | (AC2)  | BS1  | (MD16) |
| B2   | (NZ10) | BL11 | (AC6)  | BS2  | (MD9)  |
| B2   | (NZ9)  | BL12 | (EA5)  | BS4  | (MD12) |
| B3   | (NB22) | BL13 | (ME6)  | BS4  | (ZB59) |
| B4   | (NB23) | BL13 | (MF6)  | BT2  | (ME8)  |
| B7   | (NB29) | BL14 | (LL10) | BT2  | (MF8)  |
| BA1  | (MA16) | BL16 | (LL12) | BT3  | (ME12) |
| BA1  | (MD16) | BL16 | (MA9)  | BT3  | (MF12) |
| BA2  | (MA17) | BL16 | (MD12) | BT5  | (ME19) |
| BA2  | (MD27) | BL16 | (ME29) | BT6  | (ME21) |
| BA3  | (MA5)  | BL16 | (MF29) | BT7  | (ME23) |
| BA3  | (MD5)  | BL16 | (MG15) | BUS1 | (AC26) |
| BA5  | (MD9)  | BL16 | (ZB58) | BUS2 | (AC28) |
| BA6  | (MA22) | BM1  | (ME33) | BUS3 | (AC36) |
| BA6  | (MD32) | BM1  | (MF33) | BUS4 | (AC48) |
| BA7  | (MA23) | BM2  | (MG18) | C1   | (NB33) |
| BA7  | (MD33) | BM2  | (ME34) | C2   | (NB35) |
| BA8  | (MD12) | BM2  | (MF34) | C3   | (NB37) |
| BA8  | (ZB59) | BM2  | (MG19) | C4   | (NZ22) |
| BJ1  | (ME33) | BM3  | (ME35) | C5   | (NZ24) |
| BJ1  | (ME44) | BM3  | (MF35) | C7   | (NB28) |
| BJ1  | (MF33) | BM4  | (ME36) | CA1  | (LE19) |
| BJ1  | (MF43) | BM4  | (MF36) | CA2  | (CK4)  |
| BJ1  | (MG18) | BM5  | (ME37) | CA3  | (LG7)  |
| BJ2  | (ME34) | BM5  | (MF37) | CA4  | (LD8)  |

|      |        |      |        |      |        |
|------|--------|------|--------|------|--------|
| CA4  | (LE9)  | CM2  | (ZE15) | CY4  | (NZ53) |
| CA5  | (CK8)  | CM3  | (HB16) | CY5  | (NZ41) |
| CA6  | (NB14) | CM3  | (ZB8)  | CY6  | (NZ45) |
| CA6  | (ZA2)  | CM3  | (ZE16) | CY7  | (NZ39) |
| CA8  | (LL10) | CM4  | (HB10) | CY8  | (NZ38) |
| CA9  | (LG5)  | CM4  | (ZE11) | CY9  | (NZ54) |
| CA10 | (NA26) | CM5  | (HB22) | CY10 | (NZ36) |
| CA11 | (NA26) | CM5  | (ZE22) | CY11 | (NZ31) |
| CA12 | (AC4)  | CM6  | (HB19) | CY11 | (ZA1)  |
| CA13 | (AC4)  | CM6  | (ZE19) | CY12 | (NZ35) |
| CA16 | (LD8)  | CM7  | (HB13) | CY13 | (NZ33) |
| CA16 | (LL10) | CM7  | (ZE13) | CY14 | (NZ32) |
| CA16 | (ZB50) | CMD1 | (HG4)  | CY15 | (NZ50) |
| CB1  | (HK5)  | CMD1 | (ZA28) | CY16 | (NZ51) |
| CB2  | (HK5)  | CMD2 | (HG4)  | CY17 | (NZ51) |
| CB2  | (ZB22) | CMD3 | (HH3)  | CY18 | (NZ15) |
| CH1  | (HC15) | CMD4 | (HH4)  | CY19 | (NZ42) |
| CH2  | (HC16) | CMD5 | (HH7)  | CY20 | (NZ39) |
| CH3  | (HC23) | CMP1 | (HG7)  | CY21 | (NZ10) |
| CH4  | (HC27) | CMP1 | (ZB21) | CY22 | (NZ32) |
| CH5  | (HC29) | CMP2 | (HG7)  | CY24 | (NZ41) |
| CH8  | (HC32) | CMP3 | (HH10) | CY25 | (NZ44) |
| CH8  | (ZB4)  | CMP4 | (HH11) | CY26 | (NZ26) |
| CHA1 | (HB9)  | CMP5 | (HH13) | CY27 | (NZ20) |
| CHA1 | (HB9)  | CSS1 | (TB6)  | CY29 | (NZ8)  |
| CHA1 | (ZE10) | CSS2 | (TB6)  | CY30 | (NZ29) |
| CHA2 | (HB4)  | CSS2 | (ZB25) | D1   | (NB27) |
| CHA2 | (HB4)  | CTP1 | (HP10) | D1   | (NZ36) |
| CHA2 | (ZE5)  | CTP2 | (HP11) | D2   | (NB31) |
| CHA3 | (HB2)  | CTP2 | (ZA9)  | D2   | (NZ29) |
| CHA3 | (HB2)  | CU1  | (CE9)  | D3   | (NB33) |
| CHA3 | (ZE2)  | CU2  | (CE37) | D4   | (NB34) |
| CHA4 | (ZE39) | CU3  | (ER13) | D5   | (NB36) |
| CHA5 | (HB37) | CU3  | (ES12) | D5   | (NZ35) |
| CHA5 | (HB37) | CU4  | (ER46) | D6   | (NB31) |
| CHA5 | (ZE32) | CU4  | (ES46) | D7   | (NB50) |
| CHA6 | (ZE31) | CU5  | (ER31) | D7   | (NZ48) |
| CHA7 | (HB32) | CU5  | (ES33) | D8   | (NB30) |
| CHA7 | (ZE25) | CU6  | (ER24) | DD1  | (KA5)  |
| CHA8 | (HB33) | CU6  | (ES21) | DD2  | (KA17) |
| CHA8 | (ZE27) | CU7  | (KB3)  | DD3  | (KH12) |
| CHA9 | (HB33) | CU8  | (ER12) | DD4  | (KH14) |
| CHA9 | (HB33) | CU8  | (ES12) | DD5  | (KA11) |
| CHA9 | (ZB7)  | CU9  | (XA43) | DD6  | (KA12) |
| CHA9 | (ZE39) | CU9  | (EN4)  | DD7  | (KH5)  |
| CJ1  | (HB11) | CU10 | (XA45) | DD8  | (KH8)  |
| CJ2  | (HB14) | CU10 | (EN6)  | DD9  | (KH9)  |
| CJ3  | (HB16) | CU11 | (CE61) | DD10 | (JA12) |
| CJ3  | (ZB8)  | CU12 | (ER24) | DD11 | (JA13) |
| CJ6  | (HB19) | CU12 | (ES21) | DD12 | (ER4)  |
| CJ7  | (HB13) | CU13 | (JA18) | DD12 | (ES4)  |
| CL1  | (ER53) | CU14 | (JA19) | DD13 | (HH3)  |
| CL1  | (ES60) | CU15 | (JA21) | DD14 | (HH4)  |
| CL2  | (HE6)  | CU16 | (JA22) | DD15 | (HH7)  |
| CL3  | (NA42) | CV1  | (NB33) | DD16 | (HH10) |
| CL4  | (ED6)  | CV2  | (NB35) | DD17 | (HH11) |
| CL5  | (HE18) | CV3  | (NB37) | DD18 | (HH13) |
| CL6  | (HE23) | CV4  | (NB5)  | DD19 | (HH5)  |
| CL8  | (NB47) | CX1  | (NZ22) | DD20 | (KA27) |
| CL8  | (NZ47) | CX2  | (NZ24) | DD21 | (KA29) |
| CL23 | (NB47) | CX3  | (NZ18) | DD22 | (ER9)  |
| CL23 | (ZA33) | CX4  | (NZ13) | DD22 | (ES8)  |
| CL24 | (NA42) | CX5  | (NZ16) | DD24 | (ER5)  |
| CL24 | (ZA35) | CX5  | (ZA11) | DD24 | (ES5)  |
| CM1  | (HB11) | CY1  | (NZ47) | DD24 | (KA11) |
| CM1  | (ZE12) | CY2  | (NZ48) | DD24 | (KA28) |
| CM2  | (HB14) | CY3  | (NZ45) | DD24 | (ZA49) |

|      |        |      |        |      |        |
|------|--------|------|--------|------|--------|
| DP1  | (KA22) | EA18 | (BL10) | EM2  | (BL34) |
| DP2  | (KA36) | EA18 | (BN54) | EM2  | (BN34) |
| DP5  | (KA37) | EA22 | (BL30) | EM3  | (BL36) |
| DP6  | (KA39) | EA23 | (BL32) | EM3  | (BN36) |
| DP7  | (KH13) | EA24 | (BL39) | EM4  | (BL30) |
| DP8  | (KH17) | EA25 | (BL21) | EM4  | (BN30) |
| DP9  | (KH18) | EA25 | (BN26) | EM5  | (BL31) |
| DP10 | (JA15) | EA27 | (BL4)  | EM5  | (BN31) |
| DP11 | (JA16) | EA27 | (BN4)  | EM6  | (BL51) |
| DP12 | (ER19) | EA29 | (BN45) | EM6  | (BN51) |
| DP12 | (ES19) | EA30 | (BL6)  | EM7  | (BL44) |
| DP22 | (ER16) | EA30 | (BN6)  | EM7  | (BN44) |
| DP22 | (ES17) | EA31 | (BL7)  | EM8  | (BL33) |
| DP24 | (ER19) | EA31 | (BN7)  | EM8  | (BN33) |
| DP24 | (ES20) | EA33 | (BL44) | EM9  | (BL23) |
| DP24 | (KA38) | EA34 | (BL35) | EM9  | (BN23) |
| DP24 | (ZB42) | EA35 | (BL37) | EM10 | (BL56) |
| E1   | (NB23) | EA36 | (BL38) | EM10 | (BN56) |
| E2   | (NB26) | EB1  | (BL34) | EM10 | (ZA16) |
| E3   | (NB39) | EB1  | (BN34) | EM11 | (BL49) |
| E3   | (NZ38) | EB2  | (BL36) | EM11 | (BN49) |
| E4   | (NB47) | EB2  | (BN36) | FA1  | (AC53) |
| E4   | (NZ47) | EB3  | (BL9)  | FA2  | (AC55) |
| E5   | (NB56) | EB3  | (BN9)  | FA3  | (AC56) |
| E5   | (NZ54) | EB4  | (BL27) | FA4  | (AC59) |
| E6   | (NB25) | EB4  | (BN27) | FA5  | (AC58) |
| E6   | (NZ18) | EB5  | (BL52) | FA6  | (AC61) |
| E7   | (NB45) | EB5  | (BN52) | FA7  | (AC62) |
| E7   | (NZ45) | EB7  | (BL17) | FA8  | (AC63) |
| E8   | (NB40) | EB7  | (BN17) | FA9  | (AC64) |
| E8   | (NZ39) | EB8  | (BL19) | FA10 | (AC10) |
| E9   | (NB42) | EB8  | (BN18) | FA11 | (ME6)  |
| E9   | (NZ41) | EB9  | (BL53) | FA11 | (MF6)  |
| E10  | (NB48) | EB9  | (BN53) | FA13 | (CN2)  |
| E10  | (NZ45) | EB10 | (BL55) | FB1  | (NB30) |
| E11  | (NB53) | EB10 | (BN55) | FB2  | (EA7)  |
| E12  | (NB32) | EB11 | (BL23) | FB3  | (NB51) |
| E13  | (NB43) | EB11 | (BN23) | FB3  | (NZ50) |
| E13  | (NZ44) | EB12 | (BL25) | FB4  | (LD14) |
| E14  | (NB52) | EB12 | (BN24) | FB4  | (LE26) |
| E15  | (NB53) | EB13 | (BL11) | FB5  | (NB58) |
| E15  | (NZ51) | EB13 | (BN11) | FB5  | (NZ57) |
| E16  | (NB55) | EB15 | (BL5)  | FB6  | (CK6)  |
| E16  | (NZ53) | EB15 | (BN5)  | FB7  | (NB42) |
| EA1  | (BL23) | EB17 | (BL21) | FB7  | (NZ43) |
| EA1  | (BN29) | EB17 | (BN21) | FB8  | (FA9)  |
| EA2  | (BL12) | EB21 | (BL38) | FB9  | (ED5)  |
| EA2  | (BN17) | EB21 | (BN38) | FB10 | (AC44) |
| EA3  | (BL13) | EB24 | (BL33) | FB11 | (AC44) |
| EA3  | (BN18) | EB24 | (BN33) | FB12 | (AC36) |
| EA4  | (BL13) | EB25 | (BL30) | FB13 | (AC36) |
| EA4  | (BN18) | EB25 | (BN30) | FB14 | (AC36) |
| EA5  | (BL18) | EB26 | (BL32) | FB15 | (EA19) |
| EA5  | (BN24) | EB26 | (BN32) | FB16 | (AA18) |
| EA7  | (BL9)  | EB31 | (BL51) | FB17 | (AA18) |
| EA7  | (BN52) | EB31 | (BN51) | FB18 | (EA24) |
| EA8  | (BL50) | EB35 | (BL42) | IC1  | (TB4)  |
| EA9  | (BN52) | EB35 | (BN42) | IC2  | (TB6)  |
| EA10 | (BN52) | EB36 | (BL45) | IC2  | (ZB25) |
| EA11 | (BL28) | EB36 | (BN45) | IC3  | (LD14) |
| EA12 | (BL33) | EBS1 | (CE34) | IC3  | (LE26) |
| EA13 | (BL3)  | EBS2 | (NB26) | IC4  | (AC43) |
| EA13 | (BN3)  | EBS3 | (NB41) | IC5  | (AA16) |
| EA14 | (BL24) | EBS4 | (LG7)  | IC6  | (NB56) |
| EA14 | (BN29) | EBS5 | (LG7)  | IC6  | (NZ54) |
| EA16 | (BN49) | EM1  | (BL27) | IC7  | (EA13) |
| EA17 | (BN47) | EM1  | (BN28) | IC9  | (ED6)  |

|      |        |      |        |      |        |
|------|--------|------|--------|------|--------|
| IV1  | (TB4)  | JV11 | (ZA56) | KD5  | (CE26) |
| IV2  | (TB6)  | JV12 | (HE26) | KD6  | (CN10) |
| IV2  | (ZB25) | JV12 | (ZA54) | KD7  | (CN17) |
| IV3  | (LD14) | JV13 | (KH19) | KD8  | (CN17) |
| IV3  | (LE26) | JV13 | (ZA53) | KD9  | (CH5)  |
| IV4  | (AC43) | JV14 | (LD10) | KD9  | (C15)  |
| IV5  | (AA16) | JV14 | (LE11) | KD10 | (CE64) |
| IV6  | (NB56) | JV14 | (ZA61) | KD11 | (NB3)  |
| IV6  | (NZ54) | JV15 | (PA14) | KD12 | (NB4)  |
| IV7  | (EA13) | JV15 | (ZA58) | KD12 | (NZ3)  |
| IV9  | (ED6)  | JV16 | (HA10) | KD13 | (CE35) |
| JC1  | (HM9)  | JV17 | (AC49) | KD15 | (AC7)  |
| JC1  | (HO6)  | JV22 | (NB42) | KD16 | (AC2)  |
| JC1  | (ZA63) | JV22 | (NZ43) | KE1  | (PA7)  |
| JC2  | (AC30) | JV23 | (AC62) | KE2  | (CE53) |
| JC3  | (HP13) | JV24 | (AC63) | KE3  | (ME45) |
| JC3  | (ZB56) | KA1  | (CE9)  | KE3  | (MF41) |
| JC4  | (LD16) | KA2  | (CE12) | KE3  | (MG26) |
| JC4  | (LE13) | KA3  | (CE14) | KE4  | (CE47) |
| JC5  | (LE20) | KA4  | (CE17) | KE5  | (ME46) |
| JC5  | (NB8)  | KA5  | (CE9)  | KE5  | (MF42) |
| JC6  | (LD18) | KA6  | (EV10) | KE5  | (MG27) |
| JC6  | (LE28) | KA7  | (CE14) | KE6  | (CE49) |
| JC7  | (KE10) | KA8  | (CE17) | KE7  | (HG4)  |
| JC8  | (KE10) | KA9  | (CE19) | KE8  | (CE46) |
| JC9  | (ER20) | KA10 | (XA54) | KE9  | (CE56) |
| JC9  | (ES17) | KA11 | (AA39) | KE10 | (CE43) |
| JC10 | (CH14) | KA12 | (CG13) | KE11 | (CE44) |
| JC10 | (CI14) | KA13 | (AC15) | KE12 | (CE64) |
| JC10 | (ZA59) | KA14 | (CE37) | KE13 | (CE50) |
| JC11 | (HA6)  | KB1  | (CE21) | KE14 | (AA34) |
| JC11 | (ZA56) | KB2  | (CE22) | KE15 | (AA32) |
| JC12 | (HE26) | KB3  | (CG6)  | KE16 | (CE51) |
| JC12 | (ZA54) | KB4  | (CG8)  | KF1  | (KA22) |
| JC13 | (KH19) | KB5  | (AA36) | KF2  | (KA5)  |
| JC13 | (ZA53) | KB6  | (AA37) | KF3  | (KA23) |
| JC14 | (LD10) | KB7  | (CE37) | KF4  | (CE51) |
| JC14 | (LE11) | KB8  | (CE37) | KF5  | (CE55) |
| JC14 | (ZA61) | KB9  | (CG12) | KF6  | (EA9)  |
| JC15 | (PA14) | KB10 | (CG5)  | KF7  | (CE57) |
| JC15 | (ZA58) | KB12 | (CE29) | KF8  | (EA13) |
| JC16 | (HA10) | KB12 | (ZB15) | KF9  | (CE64) |
| JC17 | (AC49) | KB14 | (EX14) | KF10 | (AA43) |
| JC22 | (NB42) | KB15 | (CG15) | KF11 | (AA45) |
| JC22 | (NZ43) | KB16 | (EX18) | KF12 | (AA46) |
| JC23 | (AC62) | KC1  | (CE24) | KF13 | (AA48) |
| JC24 | (AC63) | KC2  | (CE25) | KF14 | (KH7)  |
| JV1  | (HM9)  | KC3  | (CE38) | KF15 | (KH8)  |
| JV1  | (HO6)  | KC4  | (AC12) | KF16 | (BL51) |
| JV1  | (ZA63) | KC5  | (CK17) | KF16 | (BN51) |
| JV2  | (AC30) | KC6  | (CK4)  | KG1  | (BL23) |
| JV3  | (HP13) | KC7  | (CK19) | KG1  | (BN23) |
| JV3  | (ZB56) | KC8  | (CK6)  | KG2  | (XA13) |
| JV4  | (LD16) | KC9  | (CK9)  | KG3  | (BL25) |
| JV4  | (LE13) | KC10 | (CK8)  | KG3  | (BN24) |
| JV5  | (LE20) | KC11 | (CK12) | KG4  | (XA9)  |
| JV5  | (NB8)  | KC12 | (CE27) | KG5  | (AA11) |
| JV6  | (LD18) | KC13 | (EX7)  | KG6  | (HA6)  |
| JV6  | (LE28) | KC14 | (EX10) | KG7  | (AA12) |
| JV7  | (KE10) | KC15 | (ER46) | KG8  | (HA4)  |
| JV8  | (KE10) | KC15 | (ES46) | KG9  | (AA34) |
| JV9  | (ER20) | KC16 | (ER53) | KG10 | (AC17) |
| JV9  | (ES17) | KC16 | (ES60) | KG11 | (EA4)  |
| JV10 | (CH14) | KD1  | (CE34) | KG12 | (BL44) |
| JV10 | (CI14) | KD2  | (CE32) | KG12 | (BN44) |
| JV10 | (ZA59) | KD3  | (CE34) | KG13 | (EA8)  |
| JV11 | (HA6)  | KD4  | (CE32) | KG14 | (AC19) |

|      |        |      |        |      |        |
|------|--------|------|--------|------|--------|
| KG15 | (AA37) | LX12 | (NA4)  | MB15 | (EA4)  |
| KG16 | (AA39) | LX12 | (ZA2)  | MB16 | (EA4)  |
| KH1  | (CE41) | LX13 | (NA24) | MB16 | (NZ48) |
| KH2  | (HE6)  | LX14 | (NA15) | MB16 | (ZA51) |
| KH3  | (HH5)  | LX15 | (NA49) | MG1  | (HM14) |
| KH4  | (HE12) | LX16 | (NA35) | MG2  | (HM14) |
| KH5  | (HH7)  | LX17 | (NA8)  | MG2  | (ZA19) |
| KH6  | (LD5)  | LX18 | (NA9)  | MG3  | (HO6)  |
| KH6  | (LE6)  | LX20 | (NA4)  | MG4  | (H06)  |
| KH7  | (NA60) | LX21 | (NA32) | MG4  | (ZA63) |
| KH8  | (LD7)  | LX22 | (NA53) | MS1  | (NB18) |
| KH8  | (LE8)  | LY1  | (NA45) | MS1  | (NZ7)  |
| KH9  | (NA63) | LY3  | (NA48) | MS2  | (NB19) |
| KH10 | (LD7)  | LY4  | (NA51) | MS2  | (NZ9)  |
| KH10 | (LE8)  | LY5  | (NA56) | MS3  | (NB24) |
| KH11 | (LG6)  | LY6  | (NA54) | MS3  | (NZ15) |
| KH12 | (AA50) | LY7  | (NA42) | MS4  | (NB25) |
| KH13 | (HA5)  | LY8  | (NA19) | MS4  | (NZ13) |
| KH14 | (HA7)  | LY9  | (NA30) | MT1  | (NB20) |
| KH15 | (CN3)  | LY10 | (NA53) | MT1  | (NZ8)  |
| KH16 | (CN7)  | LY11 | (NA51) | MT2  | (NB21) |
| KJ1  | (AA42) | LY12 | (NA29) | MT2  | (NZ10) |
| KJ1  | (ZB13) | LY20 | (NA44) | MT3  | (NB22) |
| KJ2  | (GA23) | LY21 | (NA25) | MT3  | (NZ11) |
| KJ3  | (GA30) | LY22 | (NA7)  | MT4  | (NB23) |
| KJ4  | (EV6)  | LY23 | (NA47) | MT4  | (NZ12) |
| KJ5  | (XA52) | LY25 | (NA27) | NF1  | (NB15) |
| KJ6  | (EV8)  | LY26 | (NA26) | NF1  | (ZA5)  |
| KJ7  | (FA4)  | LY28 | (NA31) | NF2  | (NB15) |
| KJ8  | (GA25) | MA1  | (HA13) | NF2  | (ZA5)  |
| KJ9  | (FA7)  | MA2  | (AA16) | PA1  | (AC37) |
| KJ10 | (GA16) | MA3  | (AC23) | PA2  | (AC38) |
| KJ11 | (HK5)  | MA4  | (AC31) | PA3  | (AC40) |
| KJ12 | (ER12) | MA5  | (AC33) | PA4  | (AC59) |
| KJ12 | (ES12) | MA6  | (AC52) | PA5  | (AC32) |
| KJ13 | (ER13) | MA7  | (AA21) | PA6  | (AC5)  |
| KJ13 | (ES12) | MA8  | (BL51) | PA7  | (AC14) |
| KJ14 | (ER18) | MA8  | (BN51) | PA8  | (AC34) |
| KJ14 | (ES18) | MA9  | (BL49) | PA9  | (AC60) |
| KJ15 | (ER21) | MA9  | (BN49) | PA10 | (AC62) |
| KJ15 | (ES22) | MA11 | (BL23) | PA11 | (AC61) |
| KJ16 | (ER14) | MA11 | (BN23) | PA12 | (AC18) |
| KJ16 | (ES13) | MA12 | (BL56) | PA13 | (AC19) |
| KK1  | (CE42) | MA12 | (BN56) | PA14 | (AC15) |
| KK2  | (CE41) | MA12 | (ZA16) | PA15 | (AC55) |
| KK3  | (CE38) | MA13 | (AA50) | PA17 | (AC58) |
| KK4  | (CE37) | MA14 | (BL44) | PA18 | (AC29) |
| KK5  | (CE42) | MA14 | (BN44) | PA20 | (AC48) |
| KK6  | (CE41) | MA15 | (AC4)  | PA21 | (AC46) |
| KK7  | (CE38) | MB1  | (NA29) | PA23 | (AC25) |
| KK8  | (CE37) | MB2  | (AC9)  | PA24 | (AC63) |
| KY1  | (TA15) | MB4  | (AC12) | PA26 | (AC53) |
| KY2  | (TA15) | MB5  | (NA31) | PA27 | (AC61) |
| KYL1 | (TA15) | MB6  | (NA29) | PA28 | (AC8)  |
| KYL2 | (TA15) | MB7  | (NA30) | PA29 | (AC6)  |
| LX1  | (NA8)  | MB8  | (AC7)  | PA30 | (AC39) |
| LX2  | (NA18) | MB9  | (AC7)  | PB2  | (AC11) |
| LX3  | (NA20) | MB10 | (NB20) | PB4  | (AC4)  |
| LX4  | (NA34) | MB10 | (NZ8)  | PB5  | (AC43) |
| LX5  | (NA37) | MB11 | (NB21) | PB6  | (AC9)  |
| LX6  | (NA36) | MB11 | (NZ10) | PB8  | (AC23) |
| LX7  | (NA33) | MB12 | (NB22) | PB9  | (AC20) |
| LX8  | (NA38) | MB12 | (NZ15) | PB10 | (AC22) |
| LX9  | (NA11) | MB13 | (NB23) | PB11 | (AC16) |
| LX9  | (ZA9)  | MB13 | (NZ13) | PB14 | (AC56) |
| LX10 | (NA30) | MB14 | (NB50) | PB15 | (AC17) |
| LX11 | (NA10) | MB14 | (NZ48) | PB16 | (AC15) |

|      |        |      |        |          |        |
|------|--------|------|--------|----------|--------|
| PB17 | (AC4)  | RC7  | (CG21) | SW3      | (OB32) |
| PB18 | (AC6)  | RC8  | (CE42) | SW3      | (ZB49) |
| PB19 | (AC30) | RC8  | (ZB8)  | SW4      | (OA37) |
| PB20 | (AC11) | RC10 | (EA24) | SW4      | (OB37) |
| PB21 | (AC9)  | RC11 | (XA43) | SW5      | (OA38) |
| PB22 | (AC24) | RC12 | (XA53) | SW5      | (OB38) |
| PB23 | (AC22) | RC13 | (XA47) | SW6      | (OA37) |
| PB24 | (AC64) | RC14 | (CG19) | SW6      | (OB40) |
| PB26 | (AC19) | RC15 | (CN12) | SW6      | (ZB51) |
| PB27 | (AC12) | RC16 | (CN17) | SW7      | (OA45) |
| PB28 | (AC64) | RX1  | (NC27) | SW7      | (OB45) |
| PC1  | (AC46) | RX2  | (NC13) | SW8      | (OA46) |
| PC2  | (AC38) | RX2  | (ZA10) | SW8      | (OB46) |
| PC4  | (AC26) | RX3  | (NC6)  | SW9      | (OA45) |
| PC5  | (AC28) | RX4  | (NC3)  | SW9      | (OB48) |
| PH1  | (HC7)  | RX5  | (NC14) | SW9      | (ZB52) |
| PH2  | (HC9)  | RX6  | (NC13) | SW10     | (OA53) |
| PH3  | (HC11) | RX7  | (NC15) | SW10     | (OB53) |
| PH4  | (HC13) | RX8  | (NC41) | SW11     | (OA54) |
| PH5  | (HC15) | RX9  | (NC43) | SW11     | (OB54) |
| PH6  | (HC17) | RX10 | (NC45) | SW12     | (OA53) |
| PH7  | (HC20) | RX11 | (NC36) | SW12     | (OB56) |
| PH8  | (HC21) | RX12 | (NC51) | SW12     | (ZB54) |
| PH16 | (HC25) | RX13 | (NC35) | SW14     | (OA14) |
| PH16 | (ZB6)  | RX14 | (NC33) | SW14     | (OB12) |
| PHA1 | (HB9)  | RX15 | (NC27) | SW15     | (OA3)  |
| PHA1 | (ZE10) | RX15 | (ZA7)  | SW15     | (OB3)  |
| PHA2 | (HB4)  | RX16 | (NC14) | SW16     | (OA10) |
| PHA2 | (ZE5)  | RX17 | (NC10) | SW16     | (OB8)  |
| PHA3 | (HB2)  | RX18 | (NC11) | SW16     | (ZB41) |
| PHA3 | (ZE2)  | RX19 | (NC39) | SW16     | (ZB55) |
| PHA5 | (HB23) | RX20 | (NC49) | TA1      | (CE50) |
| PHA5 | (ZE32) | RX21 | (NC16) | TA1      | (ZA21) |
| PHA6 | (HB17) | RX22 | (NC37) | TA2      | (CE51) |
| PHA6 | (ZE18) | RX23 | (NC42) | TA3      | (CE49) |
| PHA7 | (HB20) | RX24 | (NC44) | TA4      | (GA16) |
| PHA7 | (ZE21) | RX25 | (NC50) | TA5      | (GA15) |
| PHA8 | (HB33) | RX26 | (NC47) | TA6      | (CH5)  |
| PHA8 | (ZB7)  | RX27 | (NC46) | TA6      | (CI5)  |
| PHA8 | (ZE39) | RX28 | (NC34) | TA7      | (CN9)  |
| R16  | (ZB36) | RX30 | (NC31) | TA8      | (CE14) |
| RA1  | (ZB12) | SS1  | (OA26) | TA9      | (CG6)  |
| RA2  | (CE19) | SS1  | (OB26) | TA10     | (FA7)  |
| RA3  | (CN14) | SS2  | (OA27) | TA11     | (FA7)  |
| RA4  | (CK9)  | SS2  | (OB27) | TA13     | (NB36) |
| RA5  | (CN15) | SS3  | (OA34) | TA13     | (NZ35) |
| RA6  | (CE26) | SS3  | (OB34) | TA14     | (PA4)  |
| RA7  | (EA9)  | SS4  | (OA35) | TA15     | (PA5)  |
| RA8  | (CG13) | SS4  | (OB35) | TA16     | (PA7)  |
| RA10 | (EA18) | SS5  | (OA42) | TACHO1:1 | (ZD10) |
| RA11 | (CK14) | SS5  | (OB42) | TACHO1:2 | (ZD10) |
| RA12 | (NA18) | SS6  | (OA43) | TACHO2:1 | (ZD13) |
| RA13 | (NA21) | SS6  | (OB43) | TACHO2:2 | (ZD13) |
| RA14 | (LG23) | SS7  | (OA50) | TB1      | (CE54) |
| RA15 | (HB4)  | SS7  | (OB50) | TB1      | (ZB4)  |
| RA15 | (HC5)  | SS8  | (OA51) | TB2      | (CE55) |
| RA15 | (ZE4)  | SS8  | (OB51) | TB3      | (CE53) |
| RA16 | (HB2)  | ST1  | (OA22) | TB4      | (GA21) |
| RA16 | (HC2)  | ST1  | (OB21) | TB5      | (GA19) |
| RA16 | (ZE2)  | ST2  | (OA18) | TB6      | (CH6)  |
| RC1  | (CE47) | ST2  | (OB16) | TB6      | (CI6)  |
| RC1  | (ZB7)  | ST2  | (ZB34) | TB7      | (CN10) |
| RC2  | (CE22) | SW1  | (OA29) | TB8      | (CE32) |
| RC3  | (CN5)  | SW1  | (OB29) | TB9      | (CG8)  |
| RC4  | (CK17) | SW2  | (OA31) | TB10     | (FA4)  |
| RC5  | (CN7)  | SW2  | (OB31) | TB11     | (FA4)  |
| RC6  | (CE24) | SW3  | (OA29) | TB14     | (PA10) |

|      |        |     |        |     |        |
|------|--------|-----|--------|-----|--------|
| TB15 | (PA11) | TD7 | (GA29) | XB1 | (EN4)  |
| TB16 | (PA13) | TD8 | (GA30) | XB1 | (XA43) |
| TC1  | (GA5)  | XA1 | (TA4)  | XB2 | (EN10) |
| TC2  | (GA3)  | XA1 | (TA7)  | XB2 | (EN6)  |
| TC3  | (GA9)  | XA1 | (XA3)  | XB2 | (XA45) |
| TC4  | (GA5)  | XA2 | (XA5)  | XB3 | (CE61) |
| TC4  | (ZA43) | XA3 | (TA3)  | XB4 | (EN15) |
| TD3  | (GA32) | XA3 | (TA6)  | XB4 | (EN16) |
| TD3  | (ZA24) | XA3 | (XA7)  | XB4 | (XA45) |
| TD5  | (GA31) | XA3 | (ZB11) | XB4 | (ZA41) |
| TD6  | (GA33) |     |        |     |        |

# List of components

|           |                                          |         |                                            |
|-----------|------------------------------------------|---------|--------------------------------------------|
| 24        | Connector, socket/diagnostics (AC39)     | 77      | Plug socket, 7–unit (CK17)                 |
| 24        | Connector, socket/diagnostics (KE8)      | 77      | Plug socket, 7–unit (CN5)                  |
| 24: 8     | Connector, socket/diagnostics (ZA4)      | 77      | Plug socket, 7–unit (CN7)                  |
| 30        | Battery (ZA46)                           | 77      | Plug socket, 7–unit (ZB7)                  |
| 30 A      | Battery (AA8)                            | 78      | Extra plug socket, 7–unit (CE43)           |
| 30 A      | Battery (ZD4)                            | 78      | Extra plug socket, 7–unit (CG19)           |
| 30 B      | Battery (AA8)                            | 78      | Extra plug socket, 7–unit (EA24)           |
| 30 B      | Battery (ZD4)                            | 78      | Extra plug socket, 7–unit (XA43)           |
| 32        | Circuit card, electrical centre (AA10)   | 78      | Extra plug socket, 7–unit (XA47)           |
| 32        | Circuit card, electrical centre (AA31)   | 78      | Extra plug socket, 7–unit (XA53)           |
| 32        | Circuit card, electrical centre (AA32)   | 78      | Extra plug socket, 7–unit (ZB8)            |
| 32        | Circuit card, electrical centre (ZD21)   | 79      | Plug socket, ABS/EBS (OA10)                |
| 34        | Connector (AA4)                          | 79      | Plug socket, ABS/EBS (OA14)                |
| 34        | Connector (EN6)                          | 79      | Plug socket, ABS/EBS (OA18)                |
| 34        | Connector (TA8)                          | 79      | Plug socket, ABS/EBS (OA22)                |
| 34        | Connector (ZD21)                         | 79      | Plug socket, ABS/EBS (OA3)                 |
| 36        | Connector, tail lamp junction box (CE22) | 79      | Plug socket, ABS/EBS (OB3)                 |
| 36        | Connector, tail lamp junction box (CE24) | 79      | Plug socket, ABS/EBS (OB8)                 |
| 36        | Connector, tail lamp junction box (CE45) | 79      | Plug socket, ABS/EBS (OB12)                |
| 36        | Connector, tail lamp junction box (CG19) | 79      | Plug socket, ABS/EBS (OB16)                |
| 36        | Connector, tail lamp junction box (CG21) | 79      | Plug socket, ABS/EBS (OB21)                |
| 36        | Connector, tail lamp junction box (CK14) | 79:3    | Plug socket, ABS/EBS (ZB41)                |
| 36        | Connector, tail lamp junction box (CK17) | 79:3    | Plug socket, ABS/EBS (ZB55)                |
| 36        | Connector, tail lamp junction box (CN5)  | 79:4    | Plug socket, ABS/EBS (ZB34)                |
| 36        | Connector, tail lamp junction box (CN7)  | 100     | Switch, headlights (CE36)                  |
| 36        | Connector, tail lamp junction box (CN12) | 100     | Switch, headlights (ZB15)                  |
| 36        | Connector, tail lamp junction box (CN17) | 101     | Switch, full beams and dipped beams (CE61) |
| 36        | Connector, tail lamp junction box (EA24) | 101     | Switch, full beams and dipped beams (ZA56) |
| 36        | Connector, tail lamp junction box (XA43) | 102     | Switch, fog lights (CG21)                  |
| 36        | Connector, tail lamp junction box (XA47) | 102     | Switch, fog lights (ZA41)                  |
| 36        | Connector, tail lamp junction box (XA53) | 103     | Switch, spot lights (CH10)                 |
| 42        | Joint sleeve (ZA21)                      | 103     | Switch, spot lights (CI10)                 |
| 42        | Joint sleeve (ZA35)                      | 103     | Switch, spot lights (ZA59)                 |
| 42        | Joint sleeve (ZA45)                      | 104     | Switch, loading lights (ED9)               |
| 42        | Joint sleeve (ZA49)                      | 104     | Switch, loading lights (ZA41)              |
| 42        | Joint sleeve (ZB4)                       | 109     | Switch, hazard warning lights (CN17)       |
| 42        | Joint sleeve (ZB7)                       | 109     | Switch, hazard warning lights (ZA41)       |
| 42        | Joint sleeve (ZB27)                      | 111 DD  | Switch, window winder (KA10)               |
| 42        | Joint sleeve (ZB38)                      | 111 DP  | Switch, window winder (KA27)               |
| 42        | Joint sleeve (ZB58)                      | 111 P   | Switch, window winder (KA37)               |
| 42 A      | Joint sleeve (ZB12)                      | 111 DD  | Switch, window winder (ZA47)               |
| 42 A      | Joint sleeve (ZB50)                      | 111 DP  | Switch, window winder (ZA47)               |
| 42 C      | Joint sleeve (ZA19)                      | 111 P   | Switch, window winder (ZB43)               |
| 42 I 1:1  | Joint sleeve (ZA4)                       | 112     | Switch, air conditioning (HA19)            |
| 42 I 1:3A | Joint sleeve (ZA41)                      | 112     | Switch, air conditioning (ZA56)            |
| 42 I 1:3B | Joint sleeve (ZA56)                      | 112 ATC | Switch, air conditioning (HA5)             |
| 42 I 2:4A | Joint sleeve (ZB45)                      | 112 ATC | Switch, air conditioning (ZA56)            |
| 42 I 2:4B | Joint sleeve (ZB54)                      | 116 A   | Switch, interior light (ES27)              |
| 42 I HEAT | Joint sleeve (ZB2)                       | 116 A   | Switch, interior light (ZA27)              |
| 42 MB     | Joint sleeve (ZA51)                      | 116 B   | Switch, interior light (ER37)              |
| 42 S      | Joint sleeve (ZA33)                      | 116 B   | Switch, interior light (ES35)              |
| 51        | Fuse holder 1–unit (ZD18)                | 116 B   | Switch, interior light (ZA18)              |
| 53 A      | Fuse holder 3–unit (HM10)                | 116 B   | Switch, interior light (ZA19)              |
| 53 A      | Fuse holder 3–unit (HP4)                 | 118     | Switch, fan (HA13)                         |
| 56 A      | Fuse holder 6–unit (XA18)                | 119     | Switch, windscreen wiper (GA25)            |
| 56 A      | Fuse holder 6–unit (TA9)                 | 123     | Switch, heated rearview mirror (GA12)      |
| 56 P      | Fuse holder, 6–unit (XA31)               | 123     | Switch, heated rearview mirror (ZA41)      |
| 56 X      | Fuse holder, 6–unit (XA44)               | 125     | Switch, exhaust brake (AC46)               |
| 56 X      | Fuse holder, 6–unit (EN4)                | 125     | Switch, exhaust brake (ZB54)               |
| 56 ABS    | Fuse holder, 6–unit (OA14)               | 126     | Switch, diff. lock wheels, rear (LG18)     |
| 56 ABS    | Fuse holder, 6–unit (OB12)               | 127     | Switch, diff. lock inter axles (LG6)       |
| 77        | Plug socket, 7–unit (CE22)               | 127     | Switch, diff. lock inter axles (ZB54)      |
| 77        | Plug socket, 7–unit (CE24)               | 132     | Switch, roof sign light (EJ4)              |
| 77        | Plug socket, 7–unit (CE45)               | 132     | Switch, roof sign light (EK4)              |
| 77        | Plug socket, 7–unit (CG21)               | 132     | Switch, roof sign light (ZA33)             |

|           |                                                                  |        |                                                    |
|-----------|------------------------------------------------------------------|--------|----------------------------------------------------|
| 133       | Switch, bogie lift (LJ11)                                        | 214    | Closing contact, indicator light, low split (NZ48) |
| 133       | Switch, bogie lift (MA5)                                         | 214    | Closing contact, indicator light, low split (ZA51) |
| 133       | Switch, bogie lift (MD4)                                         | 216 A  | Closing contact, brake lights (CK8)                |
| 133       | Switch, bogie lift (ME40)                                        | 216 A  | Closing contact, brake lights (ZB48)               |
| 133       | Switch, bogie lift (ZB30)                                        | 216 B  | Closing contact, brake lights (CK4)                |
| 133       | Switch, bogie lift (ZB61)                                        | 216 B  | Closing contact, brake lights (ZB48)               |
| 144       | Switch, battery master switch (AA8)                              | 216 C  | Closing contact, brake lights (CK4)                |
| 144       | Switch, battery master switch (ZA2)                              | 217    | Closing contact, reversing lights (EA4)            |
| 144/144AD | Switch, battery master switch (ZA46)                             | 217    | Closing contact, reversing lights (ZA51)           |
| 144 ADR   | Switch, battery master switch (ZD10)                             | 218    | Break contact, exh-pressure governor (AC16)        |
| 147       | Switch, direction indicators (CN7)                               | 218    | Break contact, exh-pressure governor (ZB45)        |
| 149       | Switch, horn (FA6)                                               | 223    | Slip contact, horn (FA7)                           |
| 149       | Switch, horn (ZA58)                                              | 223    | Slip contact, horn (ZA59)                          |
| 150       | Switch, starting switch (AA15)                                   | 228 L  | Closing contact, cab lock (NA40)                   |
| 157       | Switch, air horn (FA9)                                           | 228 L  | Closing contact, cab lock (ZA35)                   |
| 157       | Switch, air horn (ZA58)                                          | 228 R  | Closing contact, cab lock (NA42)                   |
| 172       | Switch, extra (EN10)                                             | 228 R  | Closing contact, cab lock (ZA35)                   |
| 172       | Switch, extra (TA5)                                              | 258    | Break contact, thermal, bogie lift (ZA50)          |
| 179       | Switch, 3rd axle lock (LJ28)                                     | 2003   | Thermostat, parking heater (HB11)                  |
| 179       | Switch, 3rd axle lock (LL10)                                     | 2003   | Thermostat, parking heater (HC27)                  |
| 179       | Switch, 3rd axle lock (ZB28)                                     | 2003   | Thermostat, parking heater (ZB4)                   |
| 1101      | Switch, parking heater (ZE25)                                    | 2003   | Thermostat, parking heater (ZB8)                   |
| 1105      | Switch, levelling control, headlights (PA10)                     | 2003   | Thermostat, parking heater (ZE12)                  |
| 1105      | Switch, levelling control, headlights (ZA58)                     | 2004 L | Break contact, lighting luggage compartment (ER53) |
| 1107      | Switch, door lock (KH13)                                         |        |                                                    |
| 1107      | Switch, door lock (ZA45)                                         | 2004 L | Break contact, lighting luggage compartment (ES60) |
| 1122      | Switch, retarder (AC52)                                          |        |                                                    |
| 1132 D    | Switch, el. operated rearview mirror (HH4)                       | 2007   | Break contact, clutch pedal (AC34)                 |
| 1132 D    | Switch, el. operated rearview mirror (ZA49)                      | 2008   | Break contact, brake pedal (AC32)                  |
| 1132 P    | Switch, el. operated rearview mirror (HH10)                      | 2018   | Contact, oil pressure, power steering (NB36)       |
| 1132 P    | Switch, el. operated rearview mirror (ZA49)                      | 2018   | Contact, oil pressure, power steering (NZ35)       |
| 1135      | Switch, cruise control (AC40)                                    | 2018   | Contact, oil pressure, power steering (ZA22)       |
| 1146      | Switch, snooze function/radio (ER37)                             | 2019   | Contact, lock, seat belt (NB47)                    |
| 1146      | Switch, snooze function/radio (ES39)                             | 2019   | Contact, lock, seat belt (NZ47)                    |
| 1146      | Switch, snooze function/radio (ZA22)                             | 2019   | Contact, lock, seat belt (ZA29)                    |
| 1147 A    | Switch, cab tilt pump (HP11)                                     | 2020 L | Contact, bunk lock (ES54)                          |
| 1147 A    | Switch, cab tilt pump (ZB56)                                     | 2020 L | Contact, bunk lock (ZA41)                          |
| 1147 B    | Switch, cab tilt pump (HP10)                                     | 2020 R | Contact, bunk lock (ES53)                          |
| 1148      | Switch, storage compartment lighting (EV4)                       | 2020 R | Contact, bunk lock (ZA43)                          |
| 1149 1    | Switch, PTO (ZA61)                                               | 2074   | Contact, low range (AC9)                           |
| 1149 1    | Switch, PTO (LD7)                                                | 301    | Relay, fog lights (CG5)                            |
| 1149 1    | Switch, PTO (LE8)                                                | 302    | Relay, spot lights (CH5)                           |
| 1149 2    | Switch, PTO (LE18)                                               | 302    | Relay, spot lights (CI5)                           |
| 1149 2    | Switch, PTO (ZA61)                                               | 303    | Relay, loading lights (ED6)                        |
| 1150      | Switch, fuel filter heater (HM7)                                 | 303    | Relay, loading lights (ZB54)                       |
| 1150      | Switch, fuel filter heater (ZA63)                                | 305    | Relay, reversing lights (EA8)                      |
| 1152      | Switch, multi-function display (NA33)                            | 306    | Relay, full beams (CE55)                           |
| 200       | Break contact, warning light, parking brake (NB56)               | 307    | Relay, dipped beams (CE48)                         |
| 200       | Break contact, warning light, parking brake (NZ54)               | 308    | Relay, brake lights (CK8)                          |
| 200       | Break contact, warning light, parking brake (ZB45)               | 308 B  | Relay, brake lights (CK15)                         |
| 205 D     | Break contact, interior light (ER5)                              | 309 L  | Relay, parking lights (CE19)                       |
| 205 D     | Break contact, interior light (ES5)                              | 309 L  | Relay, parking lights (ZB13)                       |
| 205 D     | Break contact, interior light (ZA47)                             | 309 R  | Relay, parking lights (CE26)                       |
| 205 P     | Break contact, interior light (ER16)                             | 309 R  | Relay, parking lights (ZB13)                       |
| 205 P     | Break contact, interior light (ES17)                             | 312    | Relay, starting heater (BL51)                      |
| 205 P     | Break contact, interior light (ZB42)                             | 312    | Relay, starting heater (BN51)                      |
| 207       | Closing contact, indicator light, diff. lock, rear wheels (LG23) | 313    | Relay, bogie lift motor (MA23)                     |
|           |                                                                  | 313    | Relay, bogie lift motor (MD33)                     |
| 207       | Closing contact, indicator light, diff. lock, rear wheels (ZB14) | 314 A  | Relay, bogie lift (LJ7)                            |
|           |                                                                  | 314 B  | Relay, bogie lift (LJ13)                           |
| 207 R     | Closing contact, indicator light, diff. lock, rear wheels (LG18) | 314 B  | Relay, bogie lift (ZB29)                           |
|           |                                                                  | 314 D  | Relay, bogie lift (ZB61)                           |
| 207 R     | Closing contact, indicator light, diff. lock, rear wheels (ZB11) | 314 D  | Relay, bogie lift (MD9)                            |
|           |                                                                  | 315 R  | Relay, starting switch (AA42)                      |
| 211       | Closing contact, indicator light, bogie lift (MA16)              | 315 R  | Relay, starting switch (ZB13)                      |
| 211       | Closing contact, indicator light, bogie lift (MD27)              | 317    | Relay, headlamp wiper (GA16)                       |
| 214       | Closing contact, indicator light, low split (NB50)               | 317    | Relay, headlamp wiper (ZB45)                       |

|         |                                                                 |       |                                               |
|---------|-----------------------------------------------------------------|-------|-----------------------------------------------|
| 321     | Relay, interval wipe (GA27)                                     | 3103  | Relay, fuel filter heater (HM7)               |
| 323     | Relay, flasher unit (CN3)                                       | 3109  | Relay, range restriction (AC11)               |
| 323     | Relay, flasher unit (ZB29)                                      | 3111  | Relay, refrigerator (TA13)                    |
| 326 X   | Relay, extra fuse holder (XA13)                                 | 3113  | Relay, Central lubrication system (TB4)       |
| 326 X   | Relay, extra fuse holder (ZB54)                                 | 3113  | Relay, Central lubrication system (ZB24)      |
| 327     | Relay, heated rearview mirror (HG4)                             | 400 L | Bulb, full beams and dipped beams (CE49)      |
| 343     | Relay, fog lights, rear (CG12)                                  | 400 L | Bulb, full beams and dipped beams (ZA22)      |
| 348 A   | Relay, fan (HA6)                                                | 400 R | Bulb, full beams and dipped beams (CE53)      |
| 348 A   | Relay, fan (ZB15)                                               | 400 R | Bulb, full beams and dipped beams (ZB2)       |
| 348 B   | Relay, fan (HB37)                                               | 401 L | Bulb, fog lights (CG6)                        |
| 348 B   | Relay, fan (HC35)                                               | 401 L | Bulb, fog lights (ZA21)                       |
| 348 B   | Relay, fan (ZB2)                                                | 401 R | Bulb, fog lights (CG8)                        |
| 348 B   | Relay, fan (ZE32)                                               | 401 R | Bulb, fog lights (ZB4)                        |
| 356     | Relay, dipped beams (CE40)                                      | 402 L | Bulb, spot lights (CH5)                       |
| 360     | Relay, engage inhibitor, power take-off (LD3)                   | 402 L | Bulb, spot lights (CI5)                       |
| 360     | Relay, engage inhibitor, power take-off (LE4)                   | 402 L | Bulb, spot lights (ZA23)                      |
| 360     | Relay, engage inhibitor, power take-off (ZB11)                  | 402 R | Bulb, spot lights (CH6)                       |
| 363     | Relay, extra equipment (EN8)                                    | 402 R | Bulb, spot lights (CI6)                       |
| 364     | Operating controls, bogie lift (MA15)                           | 402 R | Bulb, spot lights (ZB6)                       |
| 364     | Operating controls, bogie lift (MD17)                           | 403   | Bulb, loading light (ED6)                     |
| 364     | Operating controls, bogie lift (ZB62)                           | 403   | Bulb, loading light (ZA37)                    |
| 365 D   | Relay, electrical window winder, up (KA4)                       | 404   | Bulb, fifth wheel light (ED3)                 |
| 365 D   | Relay, electrical window winder, up (ZB38)                      | 404   | Bulb, fifth wheel light (ZA37)                |
| 365 P   | Relay, electrical window winder, up (KA21)                      | 405 L | Bulb, reversing lights (EA8)                  |
| 365 P   | Relay, electrical window winder, up (ZB38)                      | 405 L | Bulb, reversing lights (ZB14)                 |
| 366 D   | Relay, electrical window winder, down (KA16)                    | 405 R | Bulb, reversing lights (ZB20)                 |
| 366 D   | Relay, electrical window winder, down (ZB38)                    | 408   | Bulb, parking light, left front (CE14)        |
| 366 P   | Relay, electrical window winder, down (KA34)                    | 408   | Bulb, parking light, left front (ZA21)        |
| 366 P   | Relay, electrical window winder, down (ZB38)                    | 409   | Bulb, parking light, right front (CE32)       |
| 379     | Relay, injection pump (AC17)                                    | 409   | Bulb, parking light, right front (ZB6)        |
| 3004    | Relay, parking heater (ZE33)                                    | 410   | Bulb, brake light, left (CK9)                 |
| 3005    | Alternator-controlled relay (AA52)                              | 410   | Bulb, brake light, left (ZB12)                |
| 3005    | Alternator-controlled relay (ZB15)                              | 411   | Bulb, brake light, right (CK12)               |
| 3016    | Relay, control device, bogie lift with axle-load limiter (MD25) | 411   | Bulb, brake light, right (ZB18)               |
| 3016    | Relay, control device, bogie lift with axle-load limiter (ZB58) | 412   | Bulb, tail light, left (CE18)                 |
| 3017    | Time relay, axle-load limiter (MD16)                            | 412   | Bulb, tail light, left (ZB12)                 |
| 3017    | Time relay, axle-load limiter (ZB58)                            | 413   | Bulb, tail light, right (CE26)                |
| 3018    | Relay, control unit parking heater (HC5)                        | 413   | Bulb, tail light, right (ZB18)                |
| 3018 A3 | Relay, control unit parking heater (ZB2)                        | 414   | Bulb, side marker light, left, front (CE12)   |
| 3019 A  | Relay box, air suspension (ME26)                                | 414   | Bulb, side marker light, left, front (ZA21)   |
| 3019 A  | Relay box, air suspension (MF26)                                | 415   | Bulb, side marker light, right, front (CE34)  |
| 3019 A  | Relay box, air suspension (MG13)                                | 415   | Bulb, side marker light, right, front (ZB6)   |
| 3019 B  | Relay box, air suspension (ME45)                                | 416   | Bulb, side marker light, left, centre (CE17)  |
| 3019 B  | Relay box, air suspension (MF41)                                | 416   | Bulb, side marker light, left, centre (ZB13)  |
| 3019 B  | Relay box, air suspension (MG26)                                | 417   | Bulb, side marker light, right, centre (CE29) |
| 3023    | Relay, information ABS (CL12)                                   | 417   | Bulb, side marker light, right, centre (ZB19) |
| 3023    | Relay, information ABS (OA13)                                   | 420   | Bulb, position light, roof, left (CE37)       |
| 3023    | Relay, information ABS (OB11)                                   | 420   | Bulb, position light, roof, left (ZA30)       |
| 3023    | Relay, information ABS (ZB37)                                   | 421   | Bulb, position light, roof, right (CE9)       |
| 3023    | Relay, information ABS (ZB48)                                   | 421   | Bulb, position light, roof, right (ZA29)      |
| 3023    | Relay, information ABS (ZB54)                                   | 422   | Bulb, dir. indicator, left, front (CN9)       |
| 3070 A  | Relay, locking, 3rd axle (LJ23)                                 | 422   | Bulb, dir. indicator, left, front (ZA23)      |
| 3070 A  | Relay, locking, 3rd axle (LL5)                                  | 423   | Bulb, dir. indicator, right, front (CN10)     |
| 3070 B  | Relay, locking, 3rd axle (LJ32)                                 | 423   | Bulb, dir. indicator, right, front (ZB4)      |
| 3070 B  | Relay, locking, 3rd axle (LL16)                                 | 426   | Bulb, dir. indicator, left, rear (CN14)       |
| 3075    | Relay, central lock (KH8)                                       | 426   | Bulb, dir. indicator, left, rear (ZB14)       |
| 3075    | Relay, central lock (ZA53)                                      | 427   | Bulb, dir. indicator, right, rear (CN15)      |
| 3076    | Relay, adjustable seat (HE18)                                   | 427   | Bulb, dir. indicator, right, rear (ZB20)      |
| 3076    | Relay, adjustable seat (ZA54)                                   | 428   | Bulb, rotating warning lamp (EN8)             |
| 3101    | Relay, interior lighting (ER12)                                 | 429   | Bulb, cigarette lighter lighting (EV10)       |
| 3101    | Relay, interior lighting (ES12)                                 | 430   | Bulb, licence plate light (CE28)              |
| 3101    | Relay, interior lighting (ZB11)                                 | 430   | Bulb, licence plate light (ZB18)              |
| 3102    | Relay, cab tilt pump (HP10)                                     | 433 D | Bulb, instep light (ER4)                      |
| 3102A   | Relay, cab tilt pump (NB56)                                     | 433 D | Bulb, instep light (ES4)                      |
| 3102A   | Relay, cab tilt pump (NZ54)                                     | 433 D | Bulb, instep light (ZA45)                     |
|         |                                                                 | 433 P | Bulb, instep light (ER19)                     |
|         |                                                                 | 433 P | Bulb, instep light (ES19)                     |

|        |                                                         |         |                                                          |
|--------|---------------------------------------------------------|---------|----------------------------------------------------------|
| 433 P  | Bulb, instep light (ZB42)                               | 5032    | Warning lamp, seat belt (NZ47)                           |
| 434 C  | Bulb, interior light (ER26)                             | 5035    | Warning lamp, steering servo circuit 2 (PSS-DUAL) (NB36) |
| 434 C  | Bulb, interior light (ES31)                             | 5035    | Warning lamp, steering servo circuit 2 (PSS-DUAL) (NZ35) |
| 434 C  | Bulb, interior light (ZA22)                             | 600 A   | Solenoid valve, exhaust brake (BN44)                     |
| 434 L  | Bulb, interior light (ER8)                              | 600 B   | Solenoid valve, exhaust brake (BN46)                     |
| 434 L  | Bulb, interior light (ZA39)                             | 601     | Solenoid valve, diff. lock, rear wheels (LG7)            |
| 434 R  | Bulb, interior light (ER13)                             | 601     | Solenoid valve, diff. lock, rear wheels (ZB50)           |
| 434 R  | Bulb, interior light (ZA39)                             | 602     | Solenoid valve, diff. lock inter axles (LG5)             |
| 435 L  | Bulb, bunk light (ES23)                                 | 602     | Solenoid valve, diff. lock inter axles (ZB50)            |
| 435 L  | Bulb, bunk light (ZA36)                                 | 603     | Solenoid valve, engine shut-down (BN26)                  |
| 435 LL | Bulb, bunk light (ER43)                                 | 606     | Solenoid valve, bogie lift, up (MA5)                     |
| 435 LL | Bulb, bunk light (ES40)                                 | 606     | Solenoid valve, bogie lift, up (MD5)                     |
| 435 LL | Bulb, bunk light (ZA19)                                 | 606     | Solenoid valve, bogie lift, up (ZA50)                    |
| 435 LU | Bulb, bunk light (ES36)                                 | 606 NC  | Solenoid valve, bogie lift, up (LJ13)                    |
| 435 LU | Bulb, bunk light (ZA19)                                 | 606 NC  | Solenoid valve, bogie lift, up (ZB27)                    |
| 435 R  | Bulb, bunk light (ES27)                                 | 606 NO  | Solenoid valve, bogie lift, up (LJ8)                     |
| 435 R  | Bulb, bunk light (ZA38)                                 | 606 NO  | Solenoid valve, bogie lift, up (ZB25)                    |
| 435 RL | Bulb, bunk light (ER46)                                 | 614     | Solenoid valve, range inhibitor (AC7)                    |
| 435 RL | Bulb, bunk light (ES43)                                 | 626     | Solenoid valve, exh. pressure governor (BL44)            |
| 435 RL | Bulb, bunk light (ZA22)                                 | 626     | Solenoid valve, exh. pressure governor (BN41)            |
| 435 RU | Bulb, bunk light (ES46)                                 | 646     | Solenoid valve, 3rd axle lock (LJ28)                     |
| 435 RU | Bulb, bunk light (ZA19)                                 | 646     | Solenoid valve, 3rd axle lock (LL10)                     |
| 437 C  | Bulb, identification light, front (CE3)                 | 646     | Solenoid valve, 3rd axle lock (ZB28)                     |
| 437 C  | Bulb, identification light, front (ZA26)                | 650     | Windscreen wiper motor (GA29)                            |
| 437 L  | Bulb, identification light, front (CE3)                 | 650     | Windscreen wiper motor (ZA24)                            |
| 437 L  | Bulb, identification light, front (ZA26)                | 651     | Windscreen washer motor (GA3)                            |
| 437 R  | Bulb, identification light, front (CE3)                 | 651     | Windscreen washer motor (ZA43)                           |
| 437 R  | Bulb, identification light, front (ZA26)                | 652 L   | Headlamp wiper motor (GA15)                              |
| 440    | Bulb, heater control light (CE39)                       | 652 L   | Headlamp wiper motor (ZA21)                              |
| 440    | Bulb, heater control light (ZB55)                       | 652 R   | Headlamp wiper motor (GA19)                              |
| 447    | Bulb, ashtray light (EV13)                              | 652 R   | Headlamp wiper motor (ZB4)                               |
| 447    | Bulb, ashtray light (ZA27)                              | 653     | Headlamp washer motor (GA9)                              |
| 450    | Bulb, roof sign light (EN16)                            | 653     | Headlamp washer motor (ZA43)                             |
| 451    | Bulb, rear fog light, left (CG13)                       | 654     | Starter motor (AA14)                                     |
| 451    | Bulb, rear fog light, left (ZB12)                       | 654     | Starter motor (ZA48)                                     |
| 452    | Bulb, rear fog light, right (CG15)                      | 654     | Starter motor (ZD16)                                     |
| 452    | Bulb, rear fog light, right (ZB18)                      | 656     | Bogie lift motor (MA23)                                  |
| 468    | Fluorescent tube, roof lighting (EJ14)                  | 656     | Bogie lift motor (MD33)                                  |
| 468 L  | Fluorescent tube, roof lighting (EK14)                  | 657     | Fan (heater) (HA17)                                      |
| 468 R  | Fluorescent tube, roof lighting (EK14)                  | 657     | Fan (heater) (ZB14)                                      |
| 4052 L | Combination lamp, rear (ZB12)                           | 657 ATC | Fan (heater) (HA17)                                      |
| 4052 R | Combination lamp, rear (ZB18)                           | 660     | Alternator with charging regulator (AA22)                |
| 4057   | Lighting, storage compartment (ER53)                    | 660     | Alternator with charging regulator (ZA53)                |
| 4057   | Lighting, storage compartment (ES60)                    | 660     | Alternator with charging regulator (ZD21)                |
| 500    | Indicator light, dir. indicator, tractor (NB41)         | 661 D   | Window winder motor (KA10)                               |
| 500    | Indicator light, dir. indicator, tractor (NZ40)         | 661 P   | Window winder motor (KA27)                               |
| 501    | Indicator light, dir. indicator, trailer 1 (NB42)       | 6013 LF | Solenoid control valve, ABS (OA29)                       |
| 501    | Indicator light, dir. indicator, trailer 1 (NZ41)       | 6013 LF | Solenoid control valve, ABS (OB29)                       |
| 504    | Indicator light, full beams (NB46)                      | 6013 LF | Solenoid control valve, ABS (ZB49)                       |
| 504    | Indicator light, full beams (NZ46)                      | 6013 LR | Solenoid control valve, ABS (OA45)                       |
| 508    | Warning light, parking brake (NB57)                     | 6013 LR | Solenoid control valve, ABS (OB45)                       |
| 508    | Warning light, parking brake (NZ55)                     | 6013 LR | Solenoid control valve, ABS (ZB52)                       |
| 510    | Indicator light, diff. lock, rear wheels (NB37)         | 6013 RF | Solenoid control valve, ABS (OA37)                       |
| 510    | Indicator light, diff. lock, rear wheels (NZ37)         | 6013 RF | Solenoid control valve, ABS (OB37)                       |
| 511    | Indicator light, diff. lock, inter-axles (NB39)         | 6013 RF | Solenoid control valve, ABS (ZB51)                       |
| 511    | Indicator light, diff. lock, inter-axles (NZ38)         | 6013 RR | Solenoid control valve, ABS (OA53)                       |
| 547    | Central warning for indicator and warning lights (NB44) | 6013 RR | Solenoid control valve, ABS (OB53)                       |
| 547    | Central warning for indicator and warning lights (NZ44) | 6013 RR | Solenoid control valve, ABS (ZB54)                       |
| 5009   | Indicator lamp, vehicle, ABS (NB54)                     | 6024    | Solenoid valve, pto (LD6)                                |
| 5009   | Indicator lamp, vehicle, ABS (NZ52)                     | 6024    | Solenoid valve, pto (ZB48)                               |
| 5010   | Indicator lamp, trailer, ABS (NB55)                     | 6024 A  | Solenoid valve, pto (LE8)                                |
| 5010   | Indicator lamp, trailer, ABS (NZ53)                     | 6024 A  | Solenoid valve, pto (ZB45)                               |
| 5014   | Indicator lamp, split (NB50)                            | 6024 B  | Solenoid valve, pto (LE18)                               |
| 5014   | Indicator lamp, split (NZ49)                            | 6024 B  | Solenoid valve, pto (ZB47)                               |
| 5032   | Warning lamp, seat belt (NB47)                          | 6035 C  | Solenoid valve, level control, electronic (ME13)         |

|          |                                                  |         |                                                              |
|----------|--------------------------------------------------|---------|--------------------------------------------------------------|
| 6035 C   | Solenoid valve, level control, electronic (MF13) | 7059    | Sensor, outer temperature (NA26)                             |
| 6035 C   | Solenoid valve, level control, electronic (MG7)  | 7064    | Sensor, air pressure-air suspension (ME25)                   |
| 6035 LF  | Solenoid valve, level control, electronic (ME8)  | 7065    | Sensor, accelerator pedal (AC22)                             |
| 6035 LF  | Solenoid valve, level control, electronic (MF8)  | 7065 A  | Sensor, accelerator pedal (AC28)                             |
| 6045     | Solenoid valve, trailing axle (ME21)             | 7069    | Sensor, battery charging (NA29)                              |
| 6050     | Soloid valve, range restriction (AC12)           | 7072 LF | Sensor, level control (ME11)                                 |
| 6050     | Soloid valve, range restriction (ZA52)           | 7072 LF | Sensor, level control (MF11)                                 |
| 6052     | Fan motor, parking heater (HB13)                 | 7072 LR | Sensor, level control (ME16)                                 |
| 6052     | Fan motor, parking heater (HC18)                 | 7072 LR | Sensor, level control (MF16)                                 |
| 6052     | Fan motor, parking heater (ZE14)                 | 7072 RR | Sensor, level control (ME21)                                 |
| 6054     | Fuel pump, parking heater (HB2)                  | 7072 RR | Sensor, level control (MF21)                                 |
| 6054     | Fuel pump, parking heater (HC2)                  | 7072 RR | Sensor, level control (MG8)                                  |
| 6054     | Fuel pump, parking heater (ZE2)                  | 7081    | Sensor, boost pressure and boost temperature (BL13)          |
| 6055     | Coolant pump, parking heater (HC22)              | 7081    | Sensor, boost pressure and boost temperature (BN13)          |
| 6056     | Motor, levelling control, headlights (PA10)      | 7082    | Sensor, oil pressure and oil temperature (BL23)              |
| 6056     | Motor, levelling control, headlights (PA4)       | 7082    | Sensor, oil pressure and oil temperature (BN29)              |
| 6058 D   | Motor, door lock (KH5)                           | 7083    | Sensor, fuel pressure and fuel pump (BL3)                    |
| 6058 D   | Motor, door lock (ZA49)                          | 7083    | Sensor, fuel pressure and fuel pump (BN3)                    |
| 6058 P   | Motor, door lock (KH13)                          | 7084    | Sensor, air filter pressure and air filter temperature (BL8) |
| 6058 P   | Motor, door lock (ZB42)                          | 7084    | Sensor, air filter pressure and air filter temperature (BN8) |
| 6070     | Motor, cab tilt pump (HP10)                      | 800     | Starting heater (BL57)                                       |
| 6070     | Motor, cab tilt pump (ZA9)                       | 800     | Starting heater (BN57)                                       |
| 6071     | Injection pump (BN45)                            | 800     | Starting heater (ZA54)                                       |
| 6072     | Unit injectors, UI (BL29)                        | 802 L   | Heated rearview mirror (HG4)                                 |
| 6073     | Pump, chassis lubrication, automatic (TB6)       | 802 L   | Heated rearview mirror (ZA28)                                |
| 6073     | Pump, chassis lubrication, automatic (ZB25)      | 802 R   | Heated rearview mirror (HG7)                                 |
| 6103     | Solenoid valve, compressor (AC4)                 | 802 R   | Heated rearview mirror (ZB21)                                |
| 702      | Combined instrument (NA4)                        | 803     | Heated seat (HE7)                                            |
| 702      | Combined instrument (NB7)                        | 803     | Heated seat (HE12)                                           |
| 702      | Combined instrument (NC3)                        | 803 L   | Heated seat (ZA31)                                           |
| 702      | Combined instrument (NZ15)                       | 803 R   | Heated seat (ZA33)                                           |
| 702 A5   | Combined instrument (ZA5)                        | 804     | Cigarette lighter (ER49)                                     |
| 702 A6   | Combined instrument (ZA6)                        | 804     | Cigarette lighter (ES49)                                     |
| 702 B    | Combined instrument (ZD35)                       | 804     | Cigarette lighter (EV8)                                      |
| 709      | Combined instrument (NB8)                        | 804     | Cigarette lighter (ZA22)                                     |
| 753 A    | Engine, speed sensor (BL6)                       | 804     | Cigarette lighter (ZA27)                                     |
| 753 A    | Engine, speed sensor (BN6)                       | 805     | Rheostat (NB20)                                              |
| 753 B    | Engine, speed sensor (BL9)                       | 805     | Rheostat (NZ20)                                              |
| 754      | Pressure sensor air (AC19)                       | 810     | Heated air dryer (HK5)                                       |
| 756      | Temperature sensor, coolant (BN26)               | 810     | Heated air dryer (ZB22)                                      |
| 756      | Temperature sensor, coolant (BL21)               | 812 D   | El. operated rearview mirror (HH3)                           |
| 757      | Fuel gauge sensor (NA18)                         | 812 P   | El. operated rearview mirror (HH10)                          |
| 759      | Level indicator, coolant (BL17)                  | 850     | Horn (FA7)                                                   |
| 759      | Level indicator, coolant (BN17)                  | 858     | Buzzer, reverse warner (EA14)                                |
| 763      | Level sensor, oil (BL5)                          | 858     | Buzzer, reverse warner (EA17)                                |
| 763      | Level sensor, oil (BN5)                          | 858     | Buzzer, reverse warner (EA21)                                |
| 7004     | Refrigerator (TA15)                              | 858     | Buzzer, reverse warner (ZB12)                                |
| 7008     | Air-operated horn (FA4)                          | 858     | Buzzer, reverse warner (ZB15)                                |
| 7009     | Alarm clock/timer (ER30)                         | 858     | Buzzer, reverse warner (ZB16)                                |
| 7009     | Alarm clock/timer (ES32)                         | 8001    | Inductor, sign lighting (EJ8)                                |
| 7009     | Alarm clock/timer (HB30)                         | 8001    | Inductor, sign lighting (EK8)                                |
| 7009     | Alarm clock/timer (HC13)                         | 8001    | Inductor, sign lighting (ZA32)                               |
| 7009     | Alarm clock/timer (ZA19)                         | 8015 L  | El. operated seat (ZA31)                                     |
| 7009     | Alarm clock/timer (ZB4)                          | 8015 R  | El. operated seat (ZA33)                                     |
| 7052     | Sensor, speedometer (NB21)                       | 8016    | Fuel filter heater (HM14)                                    |
| 7052     | Sensor, speedometer (NZ10)                       | 8016    | Fuel filter heater (ZA19)                                    |
| 7053     | Inductive sensor, bogie lift (MD9)               | 8017    | Water separator (HO6)                                        |
| 7053     | Inductive sensor, bogie lift (ZB61)              | 8017    | Water separator (ZA63)                                       |
| 7057 LF  | Sensor, wheel speed (OA26)                       | 8018 2  | El. connected seat (NB47)                                    |
| 7057 LF  | Sensor, wheel speed (OB26)                       | 8018 2  | El. connected seat (NZ47)                                    |
| 7057 LR  | Sensor, wheel speed (OA42)                       | 8018 4  | El. connected seat (NB47)                                    |
| 7057 LR  | Sensor, wheel speed (OB42)                       | 8018 4  | El. connected seat (NZ47)                                    |
| 7057 RF  | Sensor, wheel speed (OA34)                       |         |                                                              |
| 7057 RF  | Sensor, wheel speed (OB34)                       |         |                                                              |
| 7057 RR  | Sensor, wheel speed (OA50)                       |         |                                                              |
| 7057 RR  | Sensor, wheel speed (OB50)                       |         |                                                              |
| 7058 ATC | Sensor, inner temperature (HA22)                 |         |                                                              |

|         |                                          |         |                                              |
|---------|------------------------------------------|---------|----------------------------------------------|
| 8018 L  | El. connected seat (HE6)                 | 9008:4  | Control unit, ABS (ZB32)                     |
| 8018 L  | El. connected seat (HE18)                | 9008:9  | Control unit, ABS (ZB32)                     |
| 8018 L4 | El. connected seat (ZA31)                | 9008:10 | Control unit, ABS (ZB38)                     |
| 8018 R  | El. connected seat (HE12)                | 9008:11 | Control unit, ABS (ZB43)                     |
| 8018 R  | El. connected seat (HE23)                | 9008:12 | Control unit, ABS (ZB44)                     |
| 8018 R4 | El. connected seat (ZA33)                | 9009    | Control box, air suspension, rigids (ME33)   |
| 900     | Radio (JA7)                              | 9009    | Control box, air suspension, rigids (MF33)   |
| 900     | Radio (ZB36)                             | 9009    | Control box, air suspension, rigids (ZB64)   |
| 901 B   | Voltage converter (EX11)                 | 9010    | Control box, air suspension, tractors (ME44) |
| 901 B   | Voltage converter (ZA11)                 | 9010    | Control box, air suspension, tractors (MF43) |
| 901 R   | Voltage converter (EX4)                  | 9010    | Control box, air suspension, tractors (MG18) |
| 901 R   | Voltage converter (ZB26)                 | 9010    | Control box, air suspension, tractors (ZB62) |
| 901 R   | Voltage converter (ZA4)                  | 9012    | Current limiter (ZD10)                       |
| 902 DD  | Loudspeaker (JA12)                       | 9026 F  | Socket, 12 V (EX14)                          |
| 902 DP  | Loudspeaker (JA15)                       | 9026 F  | Socket, 12 V (ZA6)                           |
| 902 LF  | Loudspeaker (JA6)                        | 9028    | Contact roller, air bag (KE8)                |
| 902 LR  | Loudspeaker (JA18)                       | 9029    | Termination resistor, comm. bus (AC27)       |
| 902 RF  | Loudspeaker (JA9)                        | 9070    | Control unit, unit injector (BL5)            |
| 902 RR  | Loudspeaker (JA21)                       | 9070    | Control unit, unit injector (BN5)            |
| 913     | Mobile telephone (ZB33)                  | 9070    | Control unit, unit injector (ZA16)           |
| 917     | Aerial (AA28)                            | 9072    | Control unit, air bag (KE7)                  |
| 952     | Magnetic clutch, air conditioning (HA13) | 9073    | Control unit, air suspension (ME6)           |
| 961     | Engine/cab heater (HB8)                  | 9073    | Control unit, air suspension (MF6)           |
| 961     | Engine/cab heater (HC7)                  | 9073    | Control unit, air suspension (MG4)           |
| 961     | Engine/cab heater (ZB6)                  | 9073    | Control unit, air suspension (ZB58)          |
| 961     | Engine/cab heater (ZB7)                  | 9074    | Control unit, Vehicle ECU (AC4)              |
| 961     | Engine/cab heater (ZE8)                  | 9074    | Control unit, Vehicle ECU (ZB30)             |
| 972 L   | Lock, bunk (ES58)                        | 9077    | Control unit, sun roof (ZA34)                |
| 9001    | Pressure monitor, bogie lift (LJ5)       | 9081    | Control unit, electronic immobiliser (AA26)  |
| 9001    | Pressure monitor, bogie lift (ZB29)      | 9081    | Control unit, electronic immobiliser (ZB36)  |
| 9006    | Glow plug, parking heater (HB29)         |         |                                              |
| 9006    | Glow plug, parking heater (HC16)         |         |                                              |
| 9006    | Glow plug, parking heater (ZE28)         |         |                                              |

## Abbreviations

|                |                                                           |                |                                                              |
|----------------|-----------------------------------------------------------|----------------|--------------------------------------------------------------|
| ABS .....      | Antilock brake system                                     | PH-CAB .....   | Cab parking heater                                           |
| ADR-BAS .....  | Basic ADR adaption                                        | PH-ENGCA ..... | Engine and cab parking heater                                |
| ADR-FRA .....  | French ADR adaption                                       | PSS-DUAL ..... | Power steering system dual                                   |
| ATC .....      | Automatic temperature control                             | RADT-AR .....  | 6x2, leaf spring                                             |
| CABLE-B .....  | Tachograph cable, basic                                   | RADT-A6S ..... | 6x2, drive axle air spring, 3rd axle air spring and steered  |
| CABLE-EC ..... | Tachograph cable, European Community                      | RADT-LA .....  | 6x2, drive axle leaf spring, 3rd axle air spring and steered |
| DRIVL2 .....   | Two driving lamps                                         | RF .....       | Right front                                                  |
| DRIVL2EC ..... | Two driving lamps with dipped beam                        | RHS .....      | Right hand side                                              |
| DRL .....      | Day running light                                         | RIGID .....    | Platform and tipper truck                                    |
| EXE .....      | Except                                                    | RR .....       | Right rear                                                   |
| FSS-AIR .....  | Front spring system, air                                  | RSS-AIR .....  | Rear spring system, air                                      |
| FSS-LEAF ..... | Front spring system, leaf                                 | SI-SPEED ..... | Speedometer                                                  |
| GSS-R .....    | Range gear shifting                                       | SLCP-BAS ..... | Basic version sleeper control panel                          |
| HYDRTRAN ..... | Hydraulic transmission                                    | SLCP-LUX ..... | Luxury version sleeper control panel                         |
| L1H1 .....     | Short cab                                                 | SUSPL-EC ..... | Air suspension, electronic control system levelling device   |
| L2H1 .....     | Long cab                                                  | TRACTOR .....  | Semi-trailer tractor                                         |
| L2H2 .....     | Long high cab (Globetrotter)                              | UADR .....     | Without ADR adaption                                         |
| LF .....       | Left front                                                | UMIR-AUX ..... | Without exterior mirror features                             |
| LHS .....      | Left hand side                                            | USLCP .....    | Without sleeper control panel                                |
| LR .....       | Left rear                                                 | VT2014 .....   | Volvo transmission 2200NM 14 speed                           |
| LOCK-CTL ..... | Central door locking                                      | WLIFT-EB ..... | Electrical window lift, both doors                           |
| LOCK-MAN ..... | Manual door locking                                       | WLIFT-ME ..... | Manual window lift                                           |
| LOCK-MRP ..... | Manual door locking plus remote control of passenger door |                |                                                              |
| MECHTRAN ..... | Mechanical transmission                                   |                |                                                              |
| MIR-ELOP ..... | El. heated and operated exterior mirror                   |                |                                                              |

## Cable colour code

|           |             |          |        |
|-----------|-------------|----------|--------|
| BL .....  | Blue        | PU ..... | Purple |
| BN .....  | Brown       | R .....  | Red    |
| GN .....  | Green       | SB ..... | Black  |
| GR .....  | Grey        | VO ..... | Violet |
| I .....   | Ivory       | W .....  | White  |
| LBL ..... | Light blue  | Y .....  | Yellow |
| LBN ..... | Light brown |          |        |
| OR .....  | Orange      |          |        |
| P .....   | Pink        |          |        |

**Note:** If a cable has two colours, this is written out like the following example: Y/R = Yellow/Red.



