

Service Manual Trucks

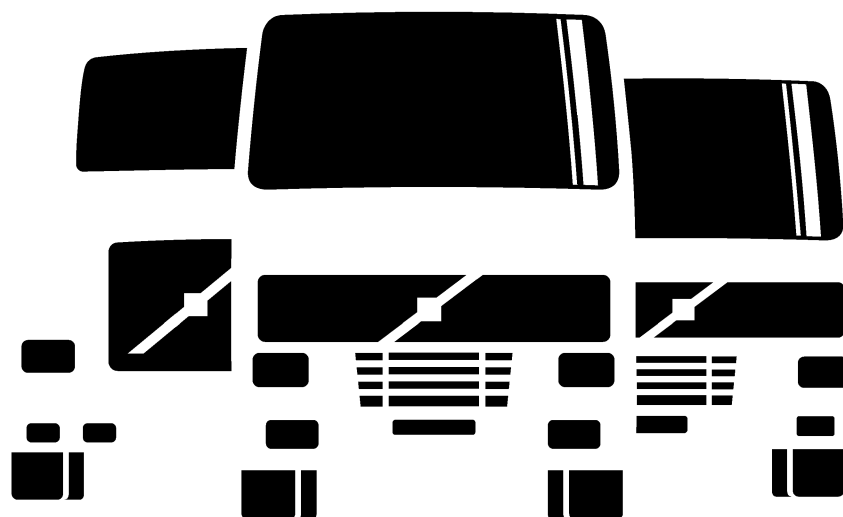
Group **37**

Electrical Schematic

Illustration Index

VN, VHD VERSION2, VT

From Build Date Nov. 2005



Foreword

The descriptions and service procedures contained in this manual are based on designs and methods studies carried out up to March 2006.

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 believed 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 an 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 an V.S.T.

Each section of this manual contains specific safety information and warnings which must be reviewed before performing any procedure. If a printed copy of a procedure is made, be sure to also make a printed copy of the safety information and warnings that relate to that procedure. The following levels of observations, cautions and warnings are used in this Service Documentation:

Note: Indicates a procedure, practice, or condition that must be followed in order to have the vehicle or component function in the manner intended.

Caution: Indicates an unsafe practice where damage to the product could occur.

Warning: Indicates an unsafe practice where personal injury or severe damage to the product could occur.

Danger: Indicates an unsafe practice where serious personal injury or death could occur.

Volvo Trucks North America, Inc.
Greensboro, NC USA

Order number: 20047693

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Illustrations

Illustrations Index

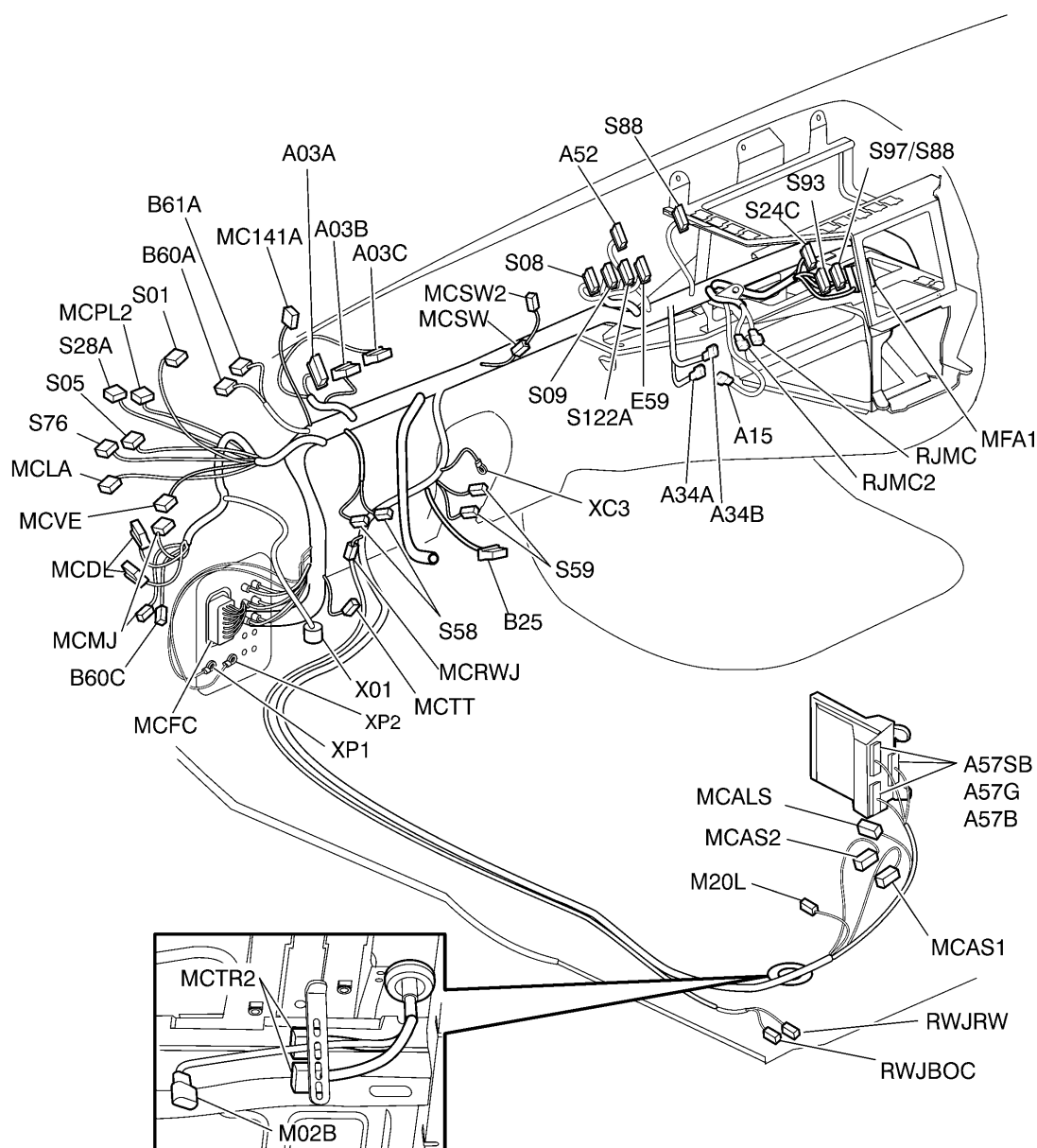
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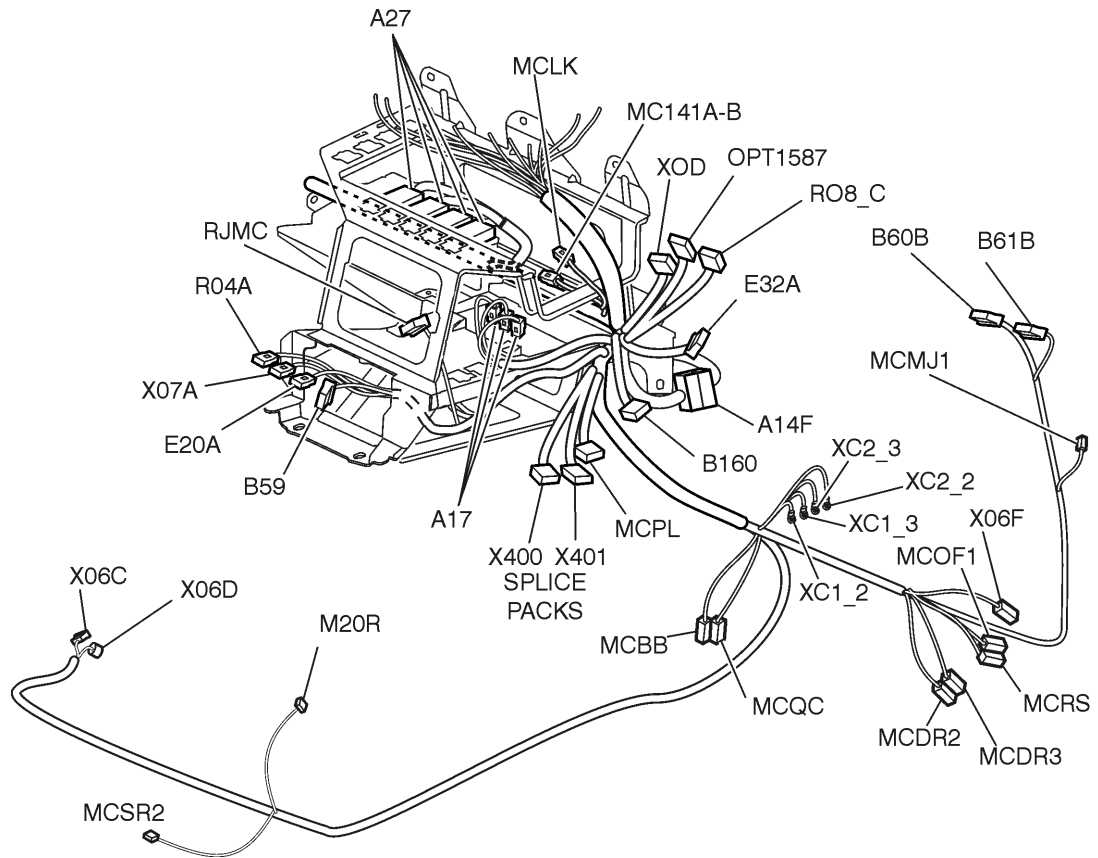
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Fuse and Relay Center, Main Cab Harness



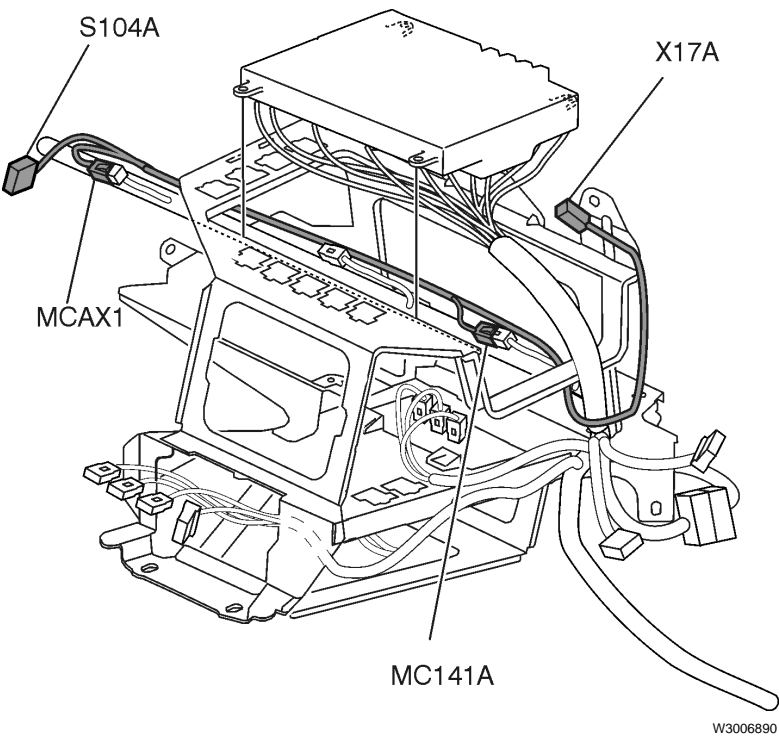
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Fuse and Relay Center, Main Cab Harness 2

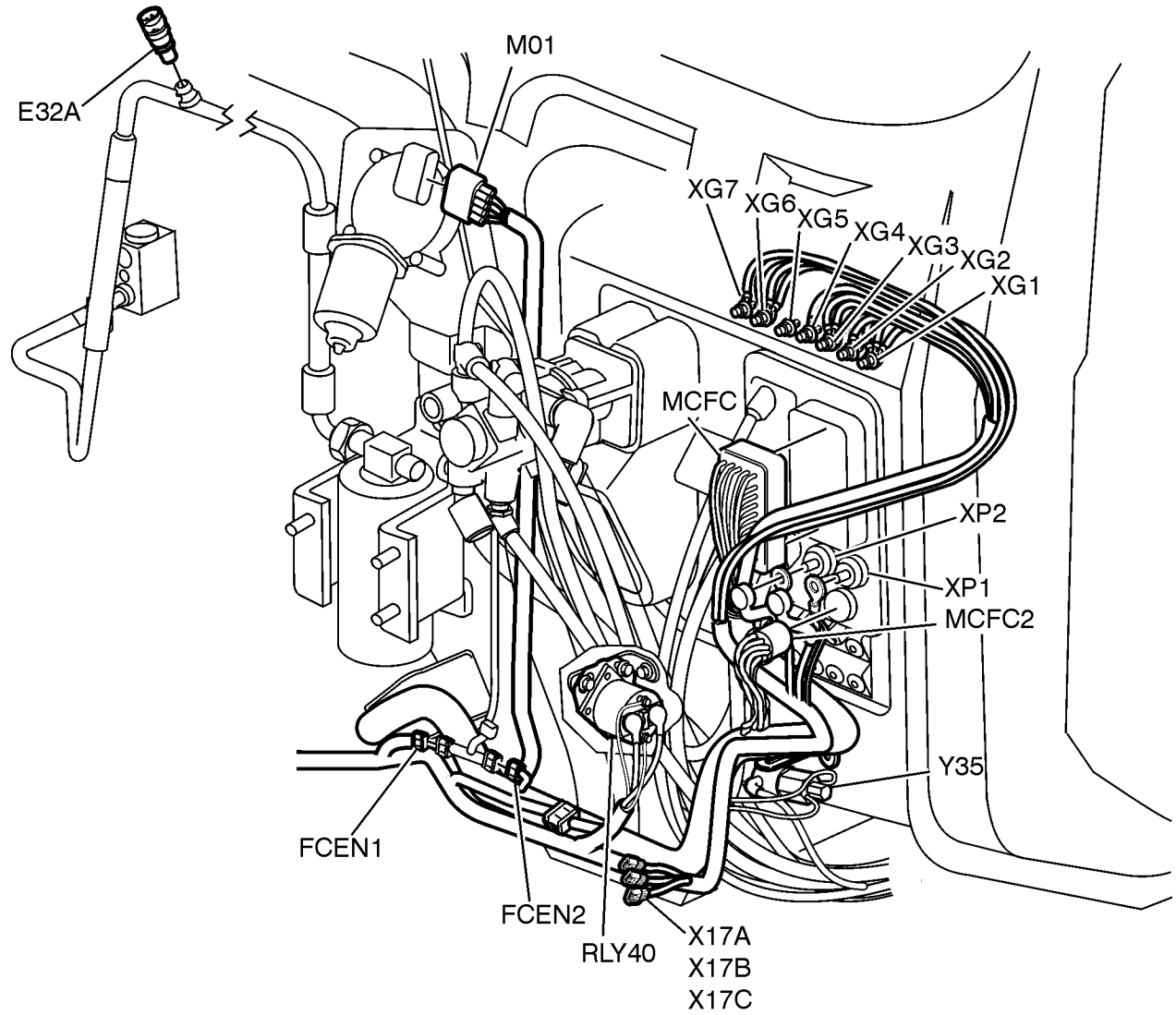


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Aux. Switch Overlay

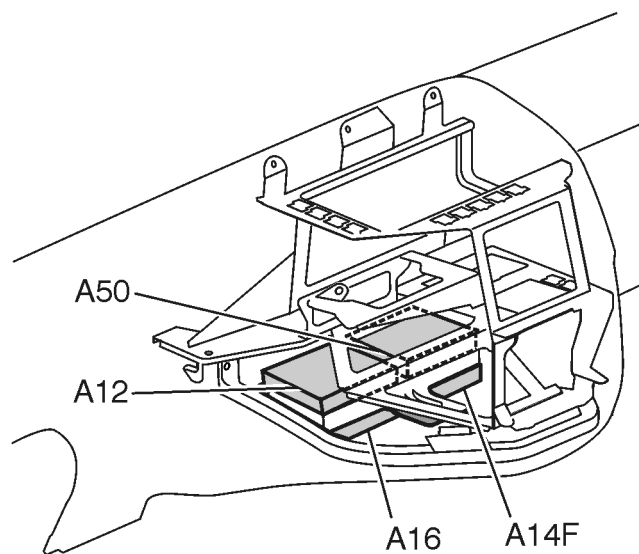


Cab Wiring Passthrough



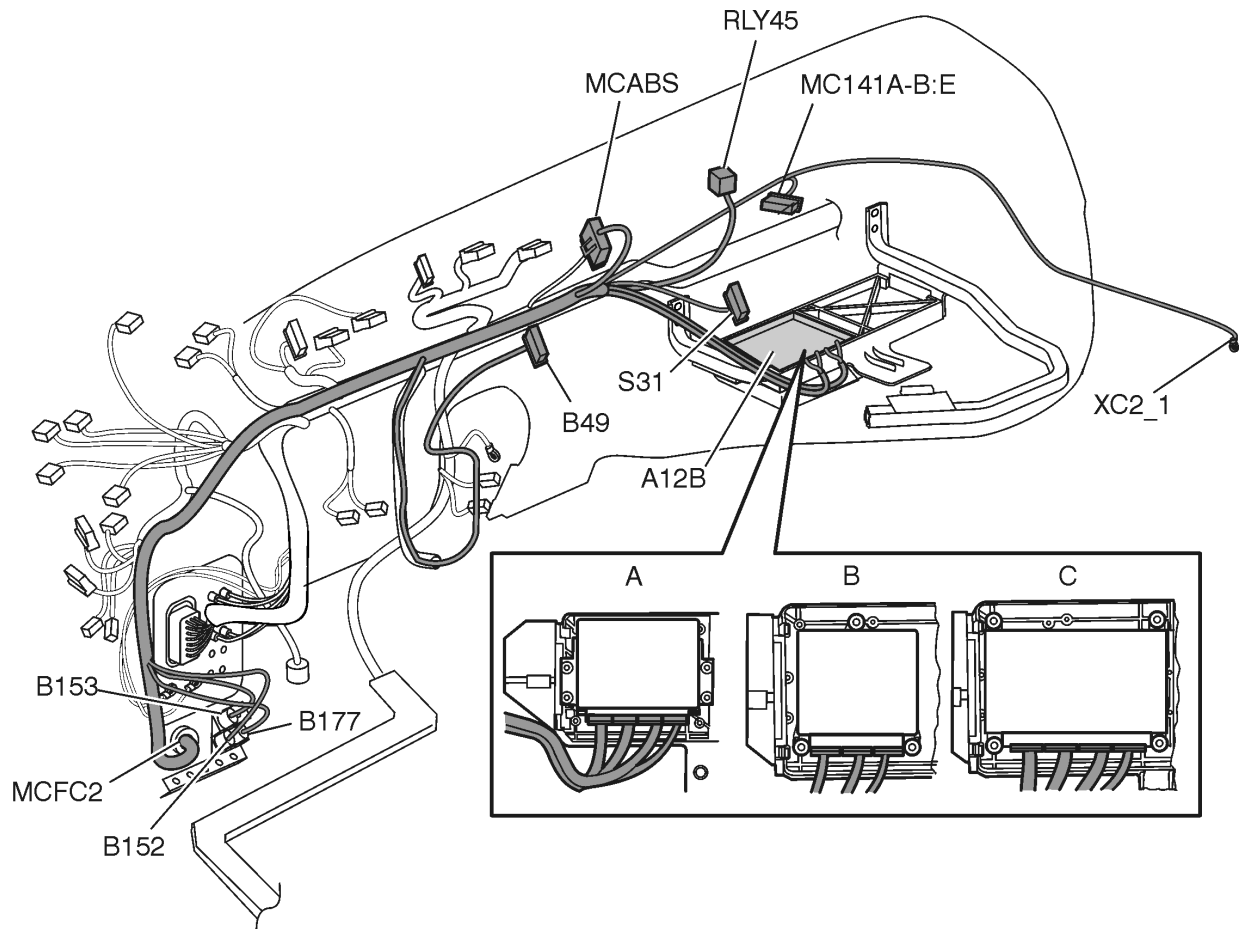
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Modules



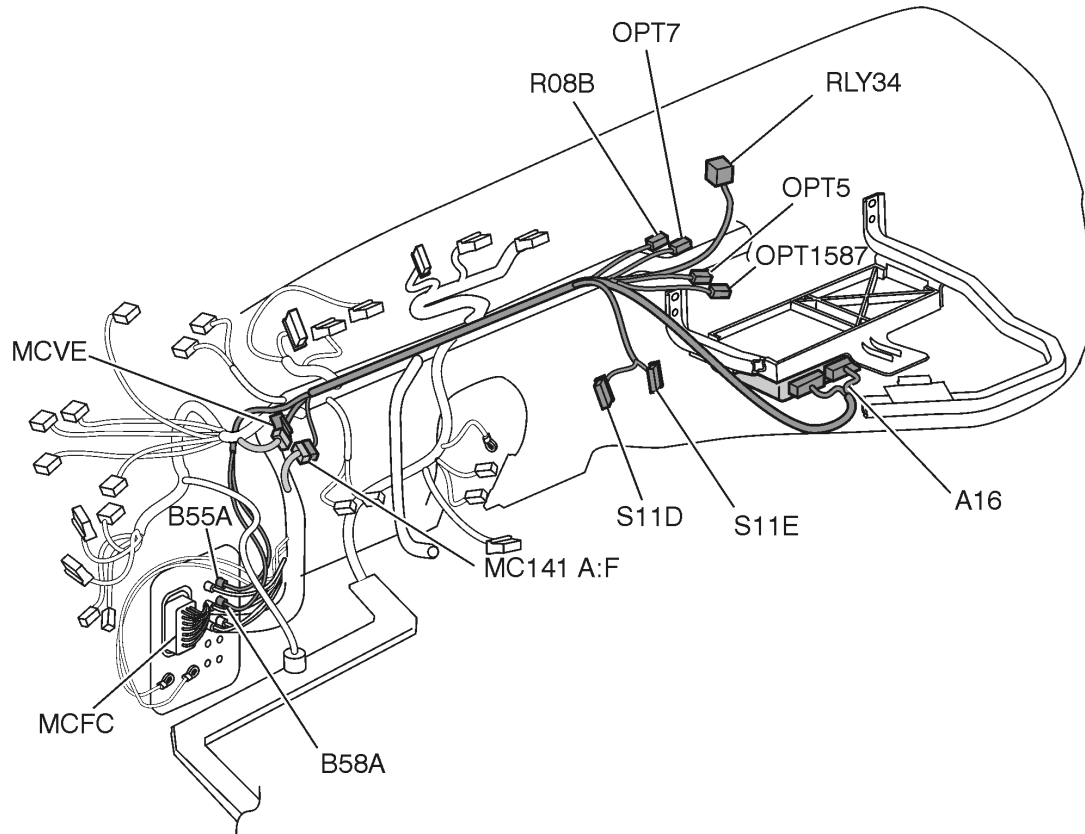
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ABS Overlay



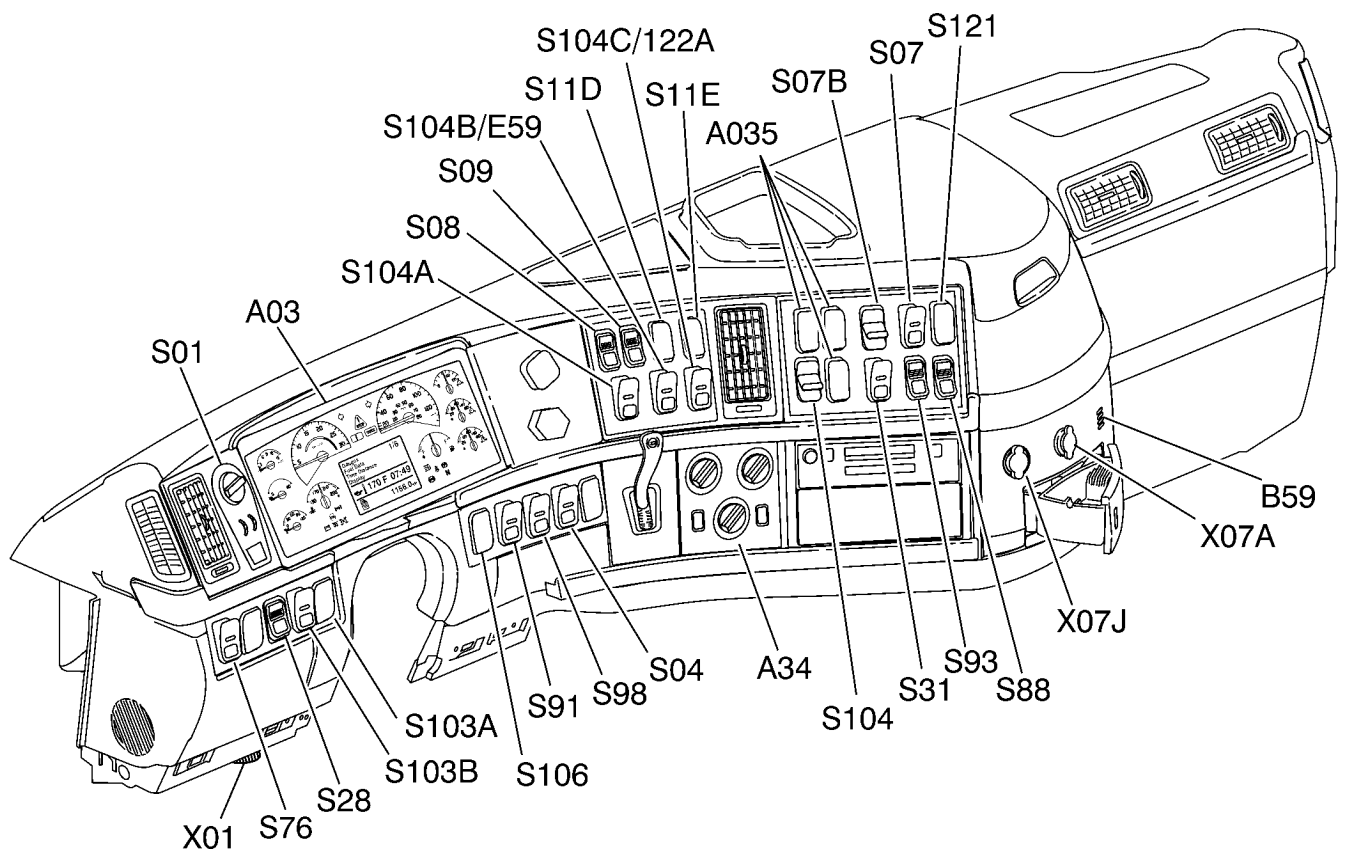
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ECS ECU Overlay



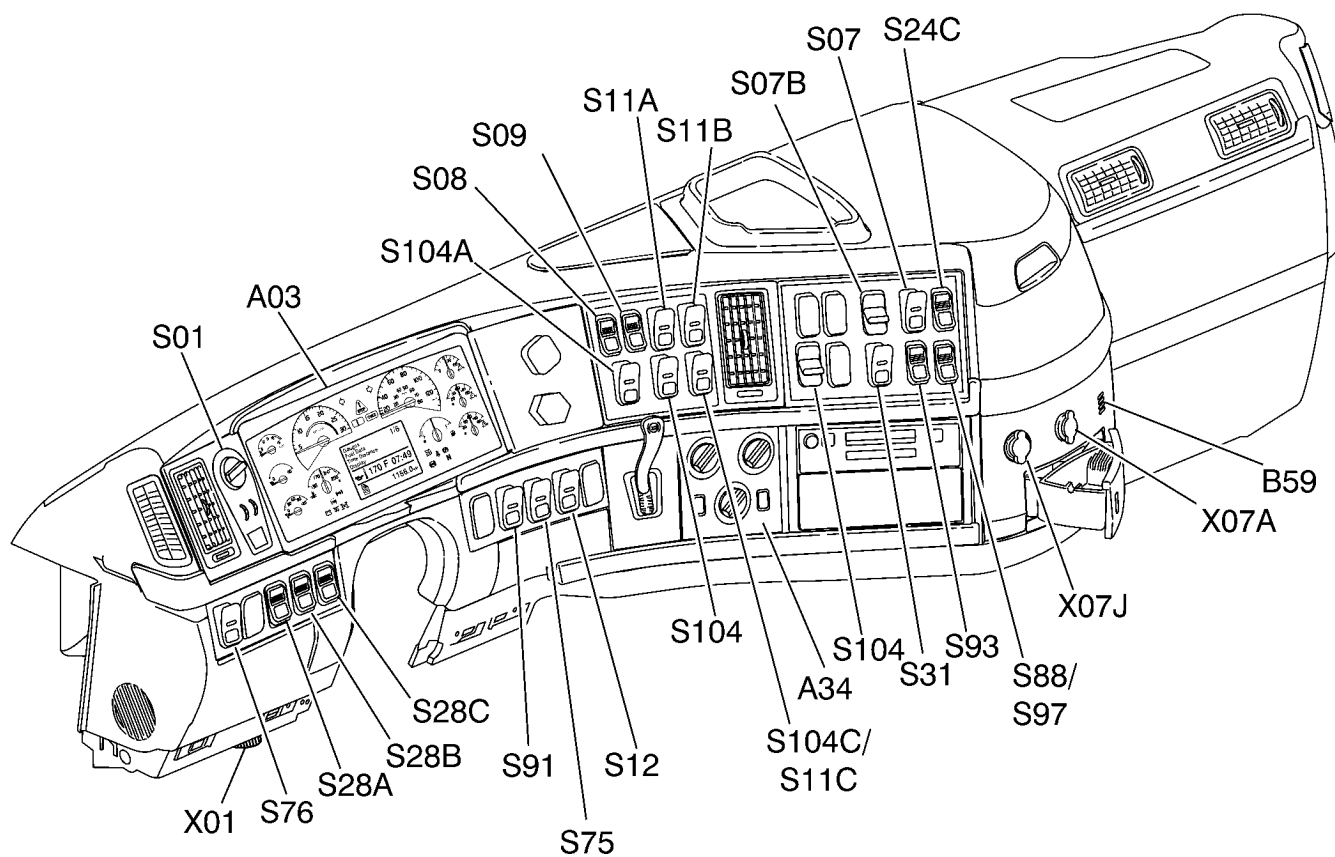
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Dash Switches, VN



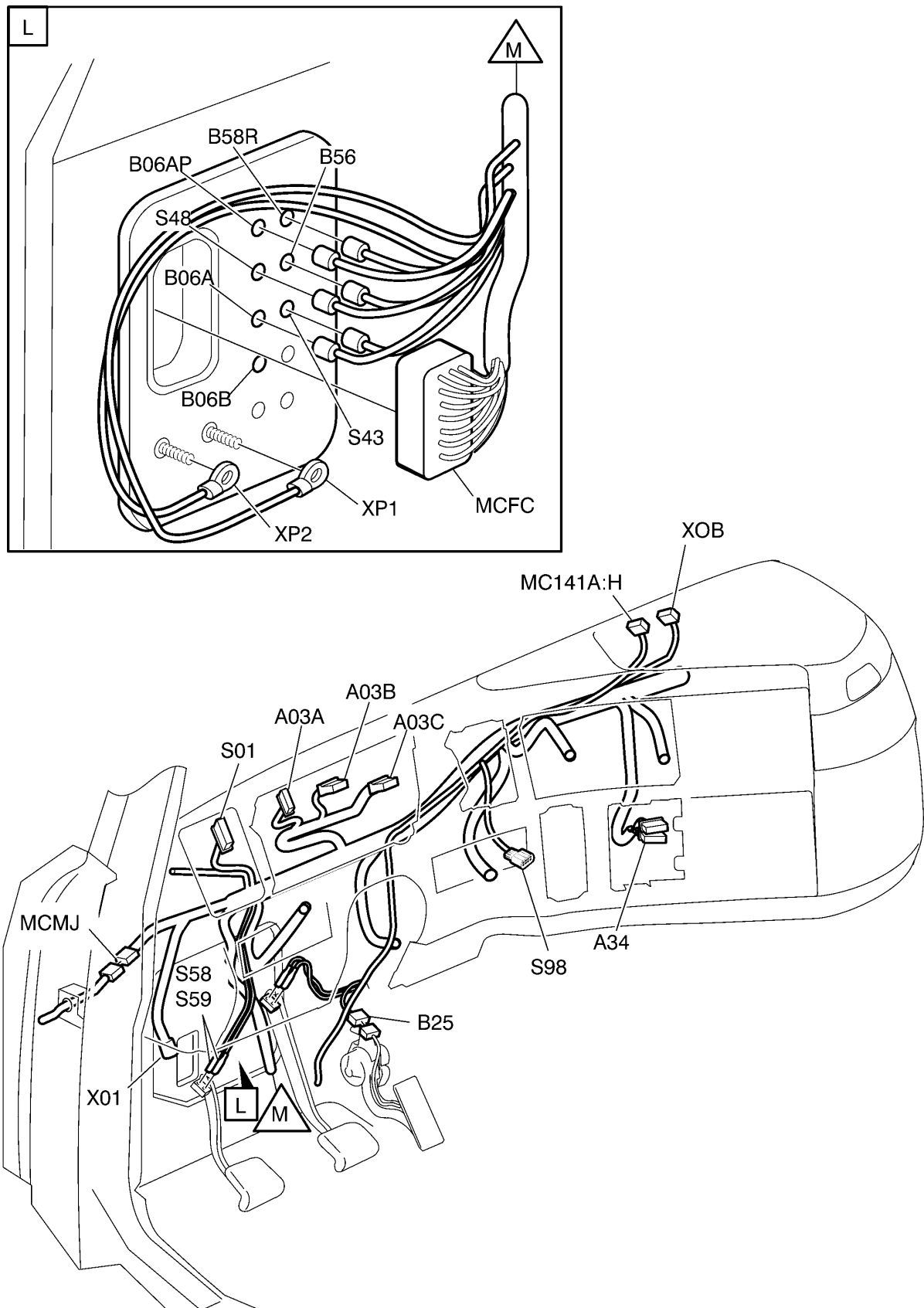
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Dash Switches, VHD



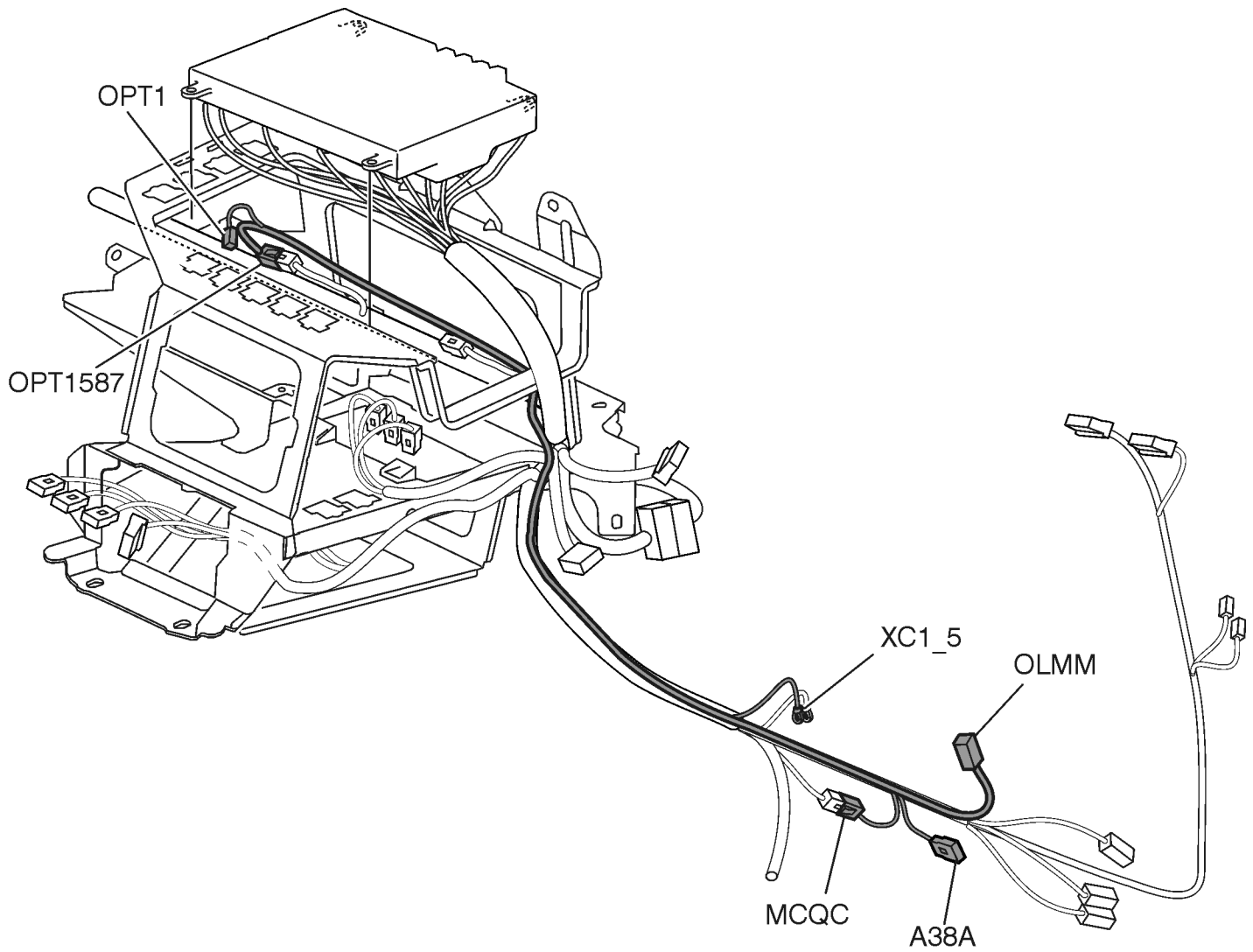
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Dash Harness and Cab Wiring Passthrough



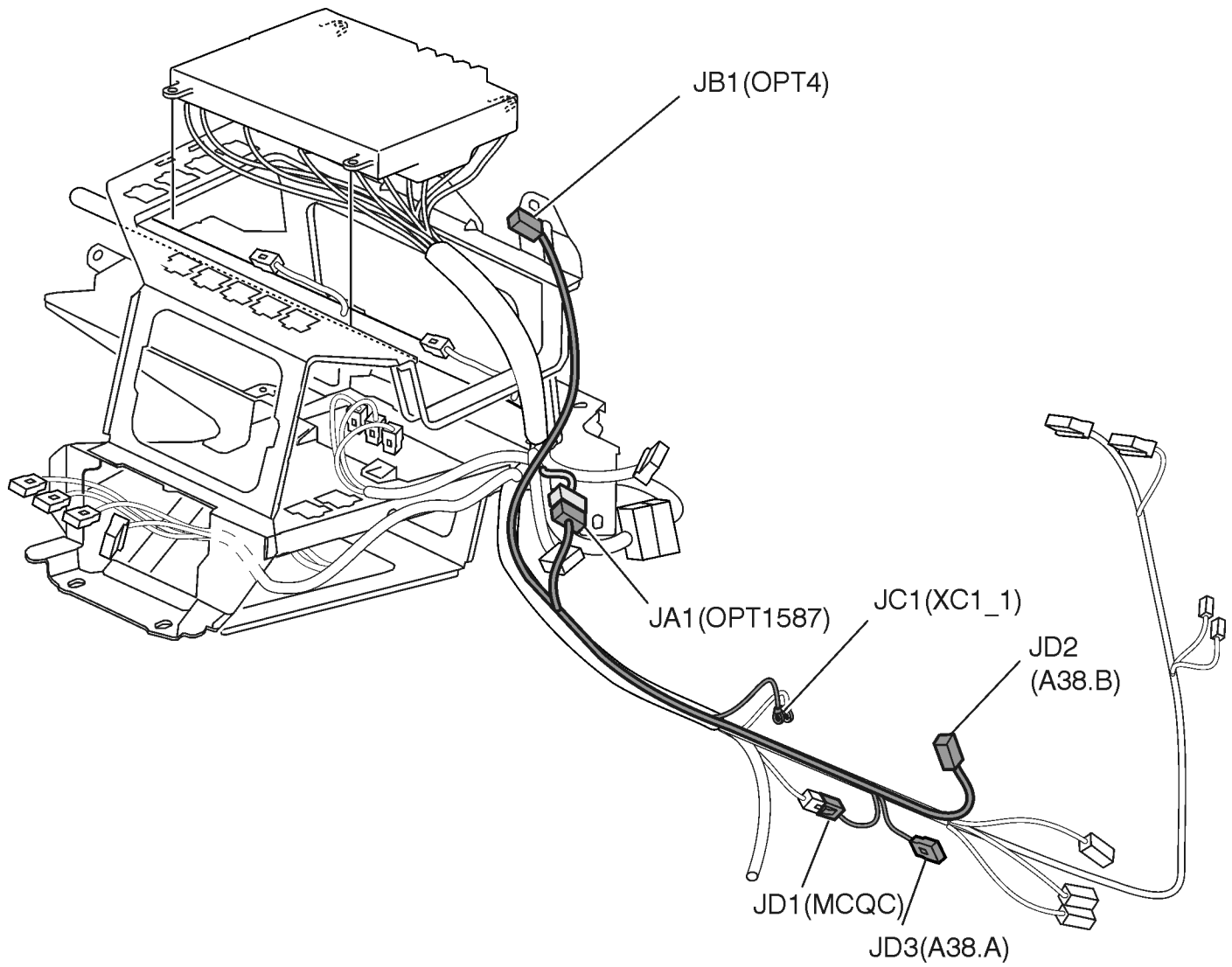
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Dash Harness, Mobile Max



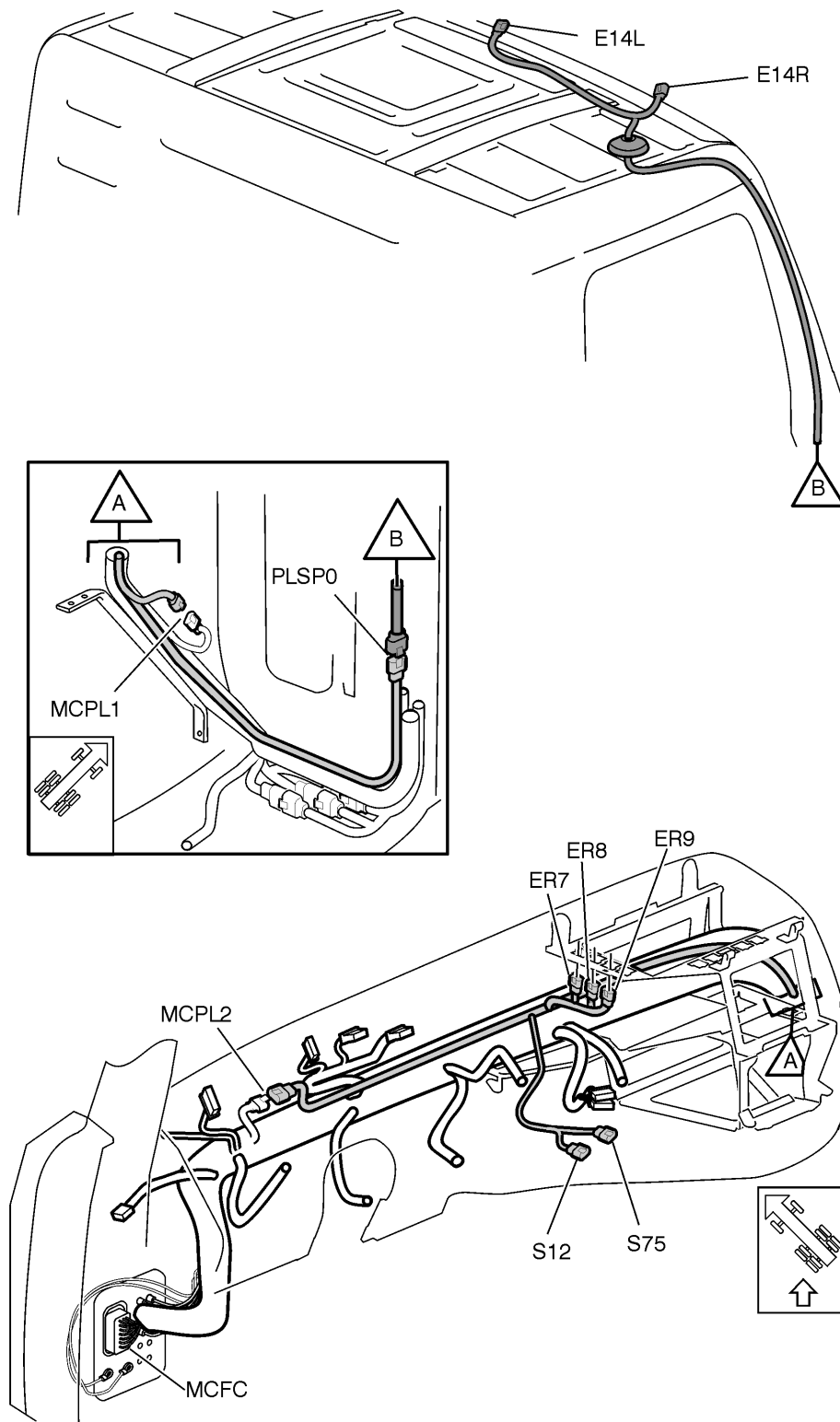
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Dash Harness, Qualcomm



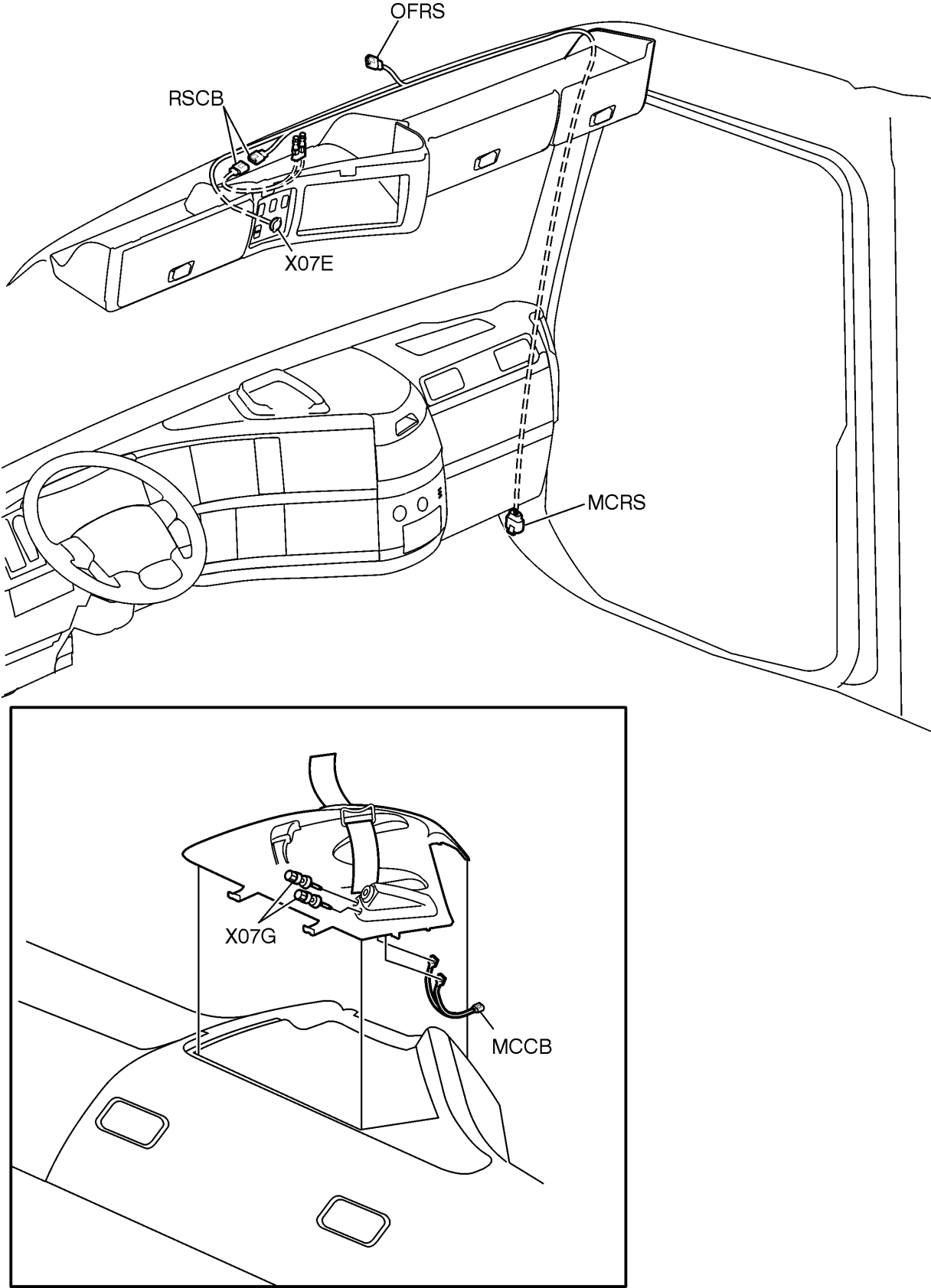
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Dash Harness, Snow Plow/ Beacon Lights Option



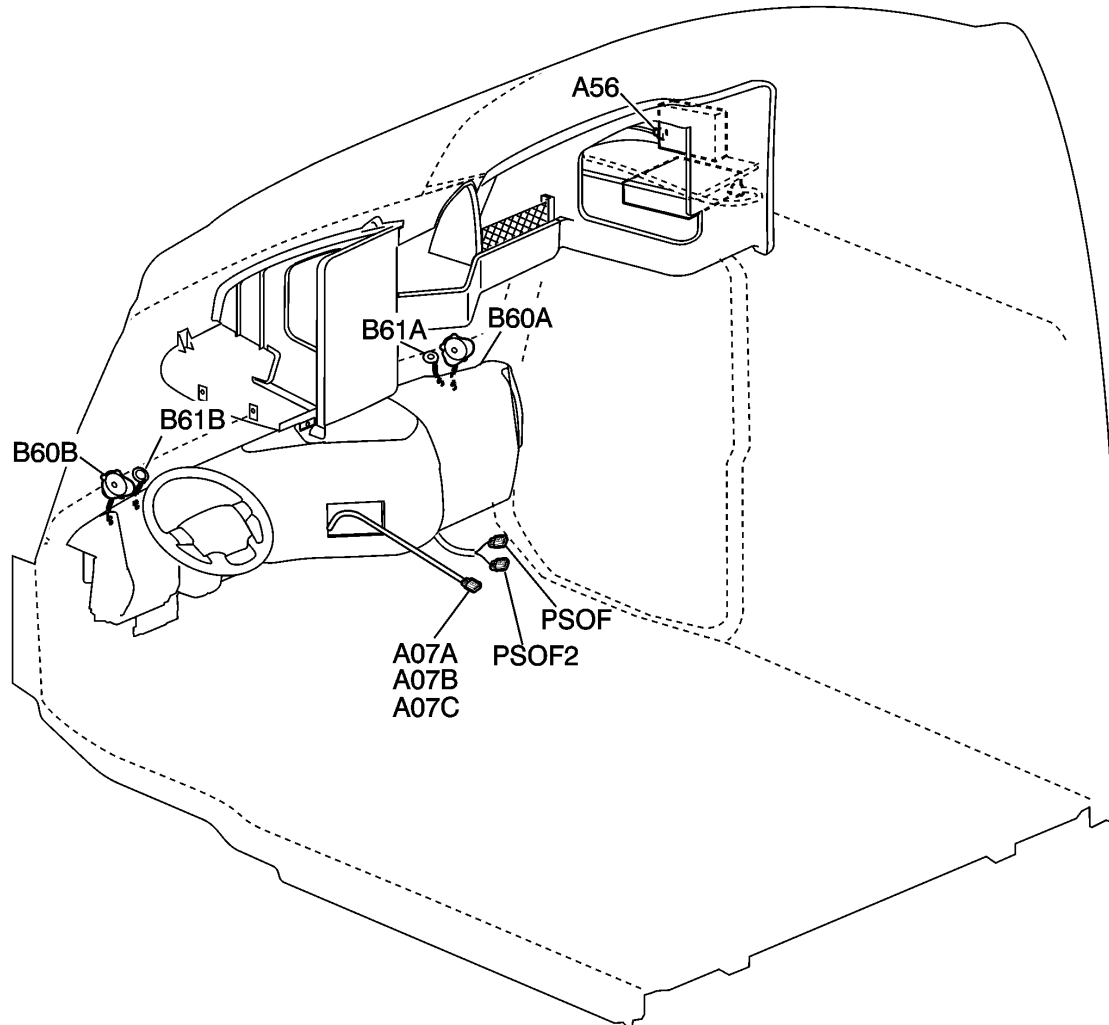
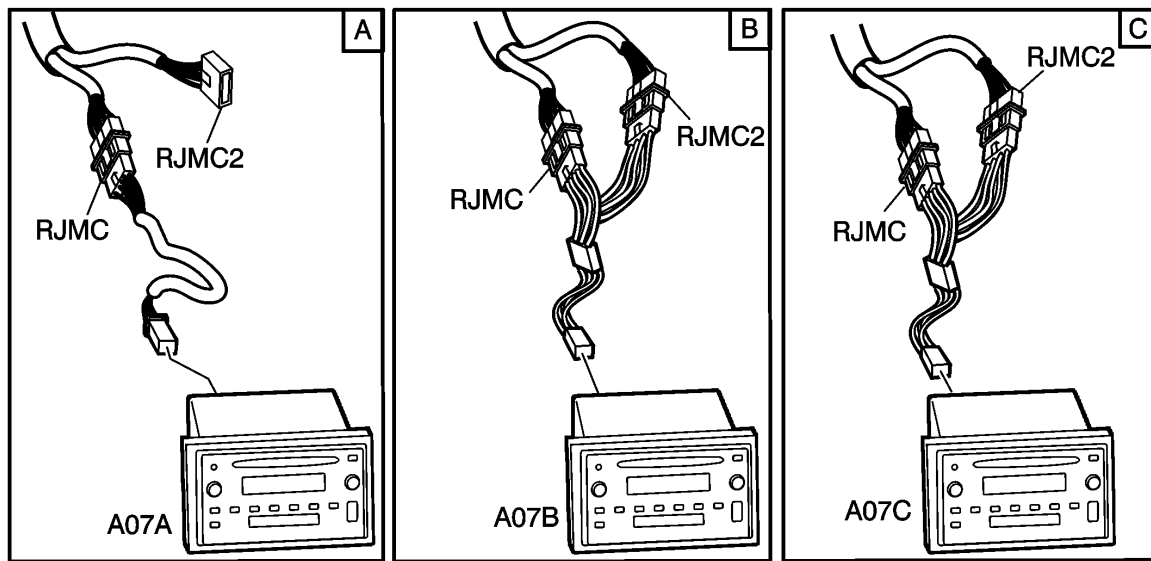
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Front Overhead Shelf/CB Power Harness



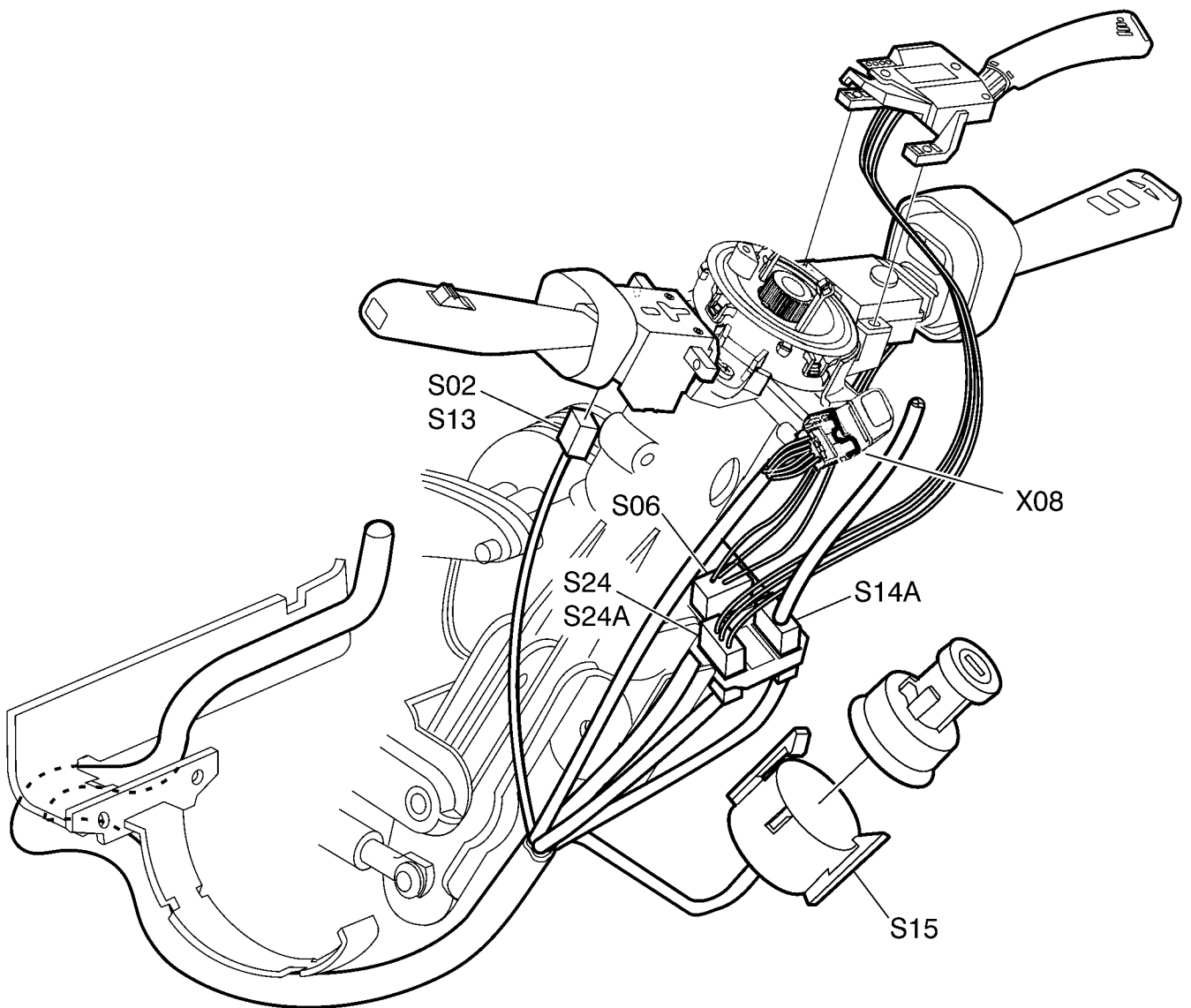
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Radio Harness



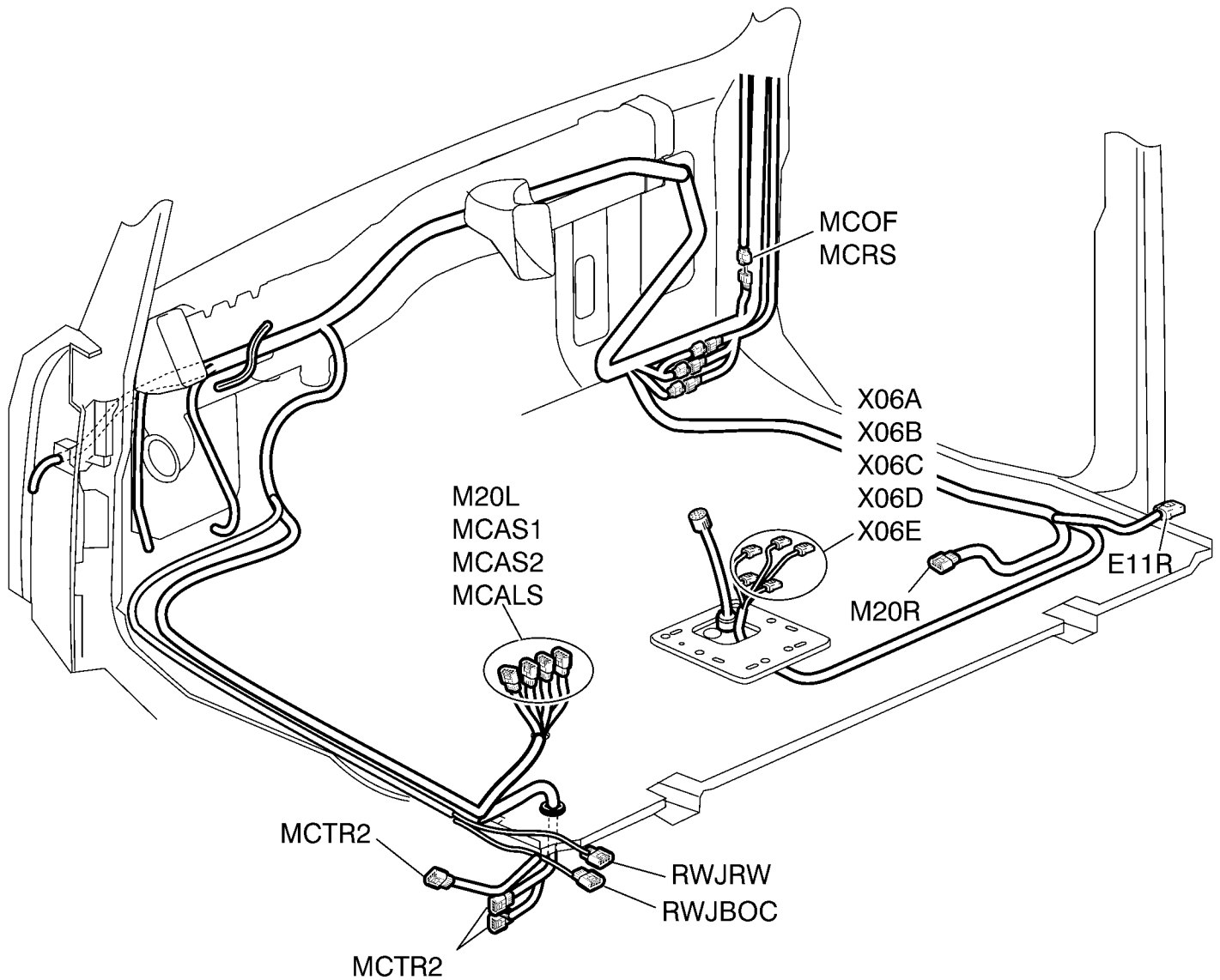
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Steering Column Harness, Including Stalk Switches

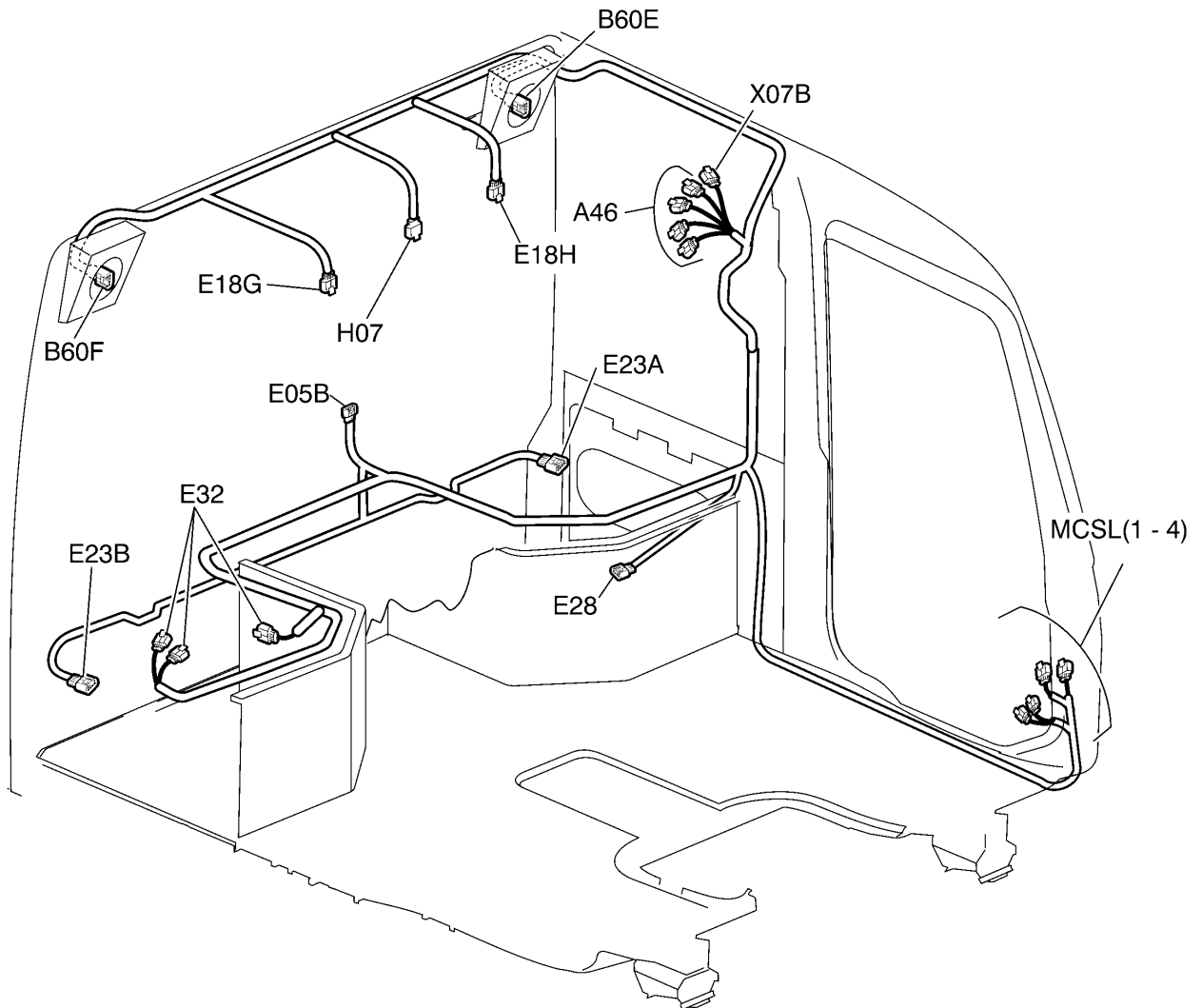


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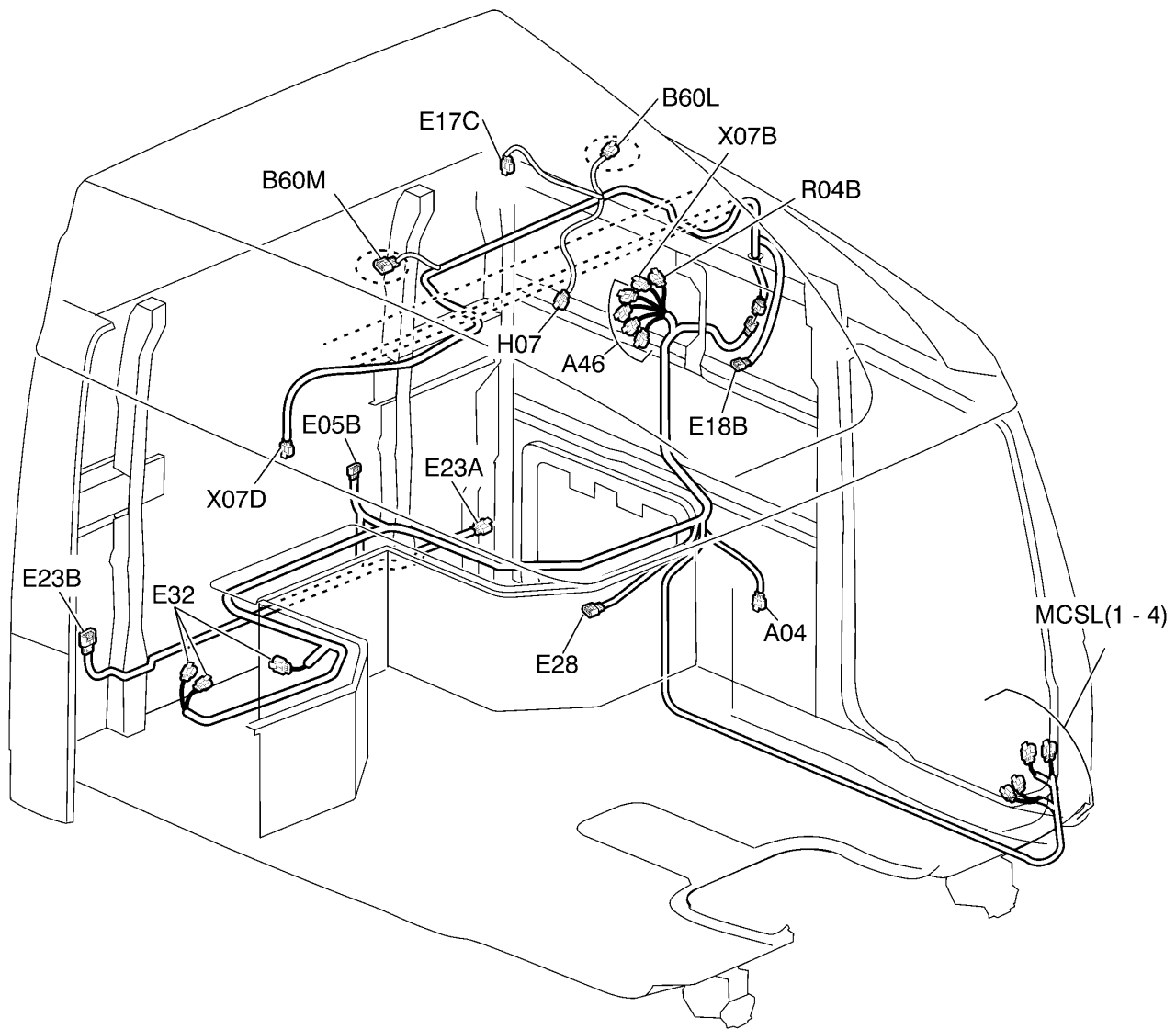
Cab Floor Harnesses, Front



W3007180

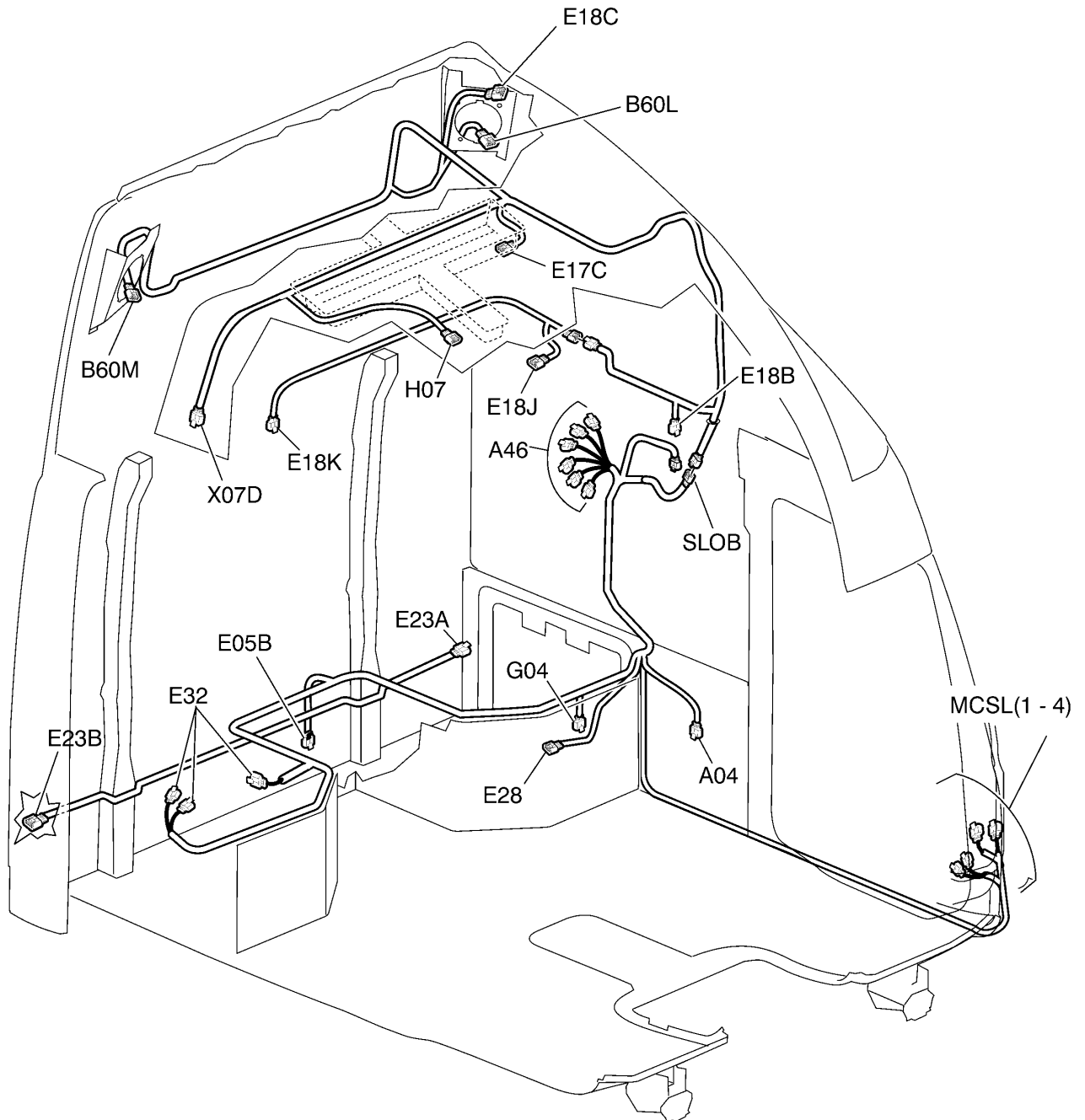
Rear Cab Harness, VN430

W3007172

Rear Cab Harness, VN630

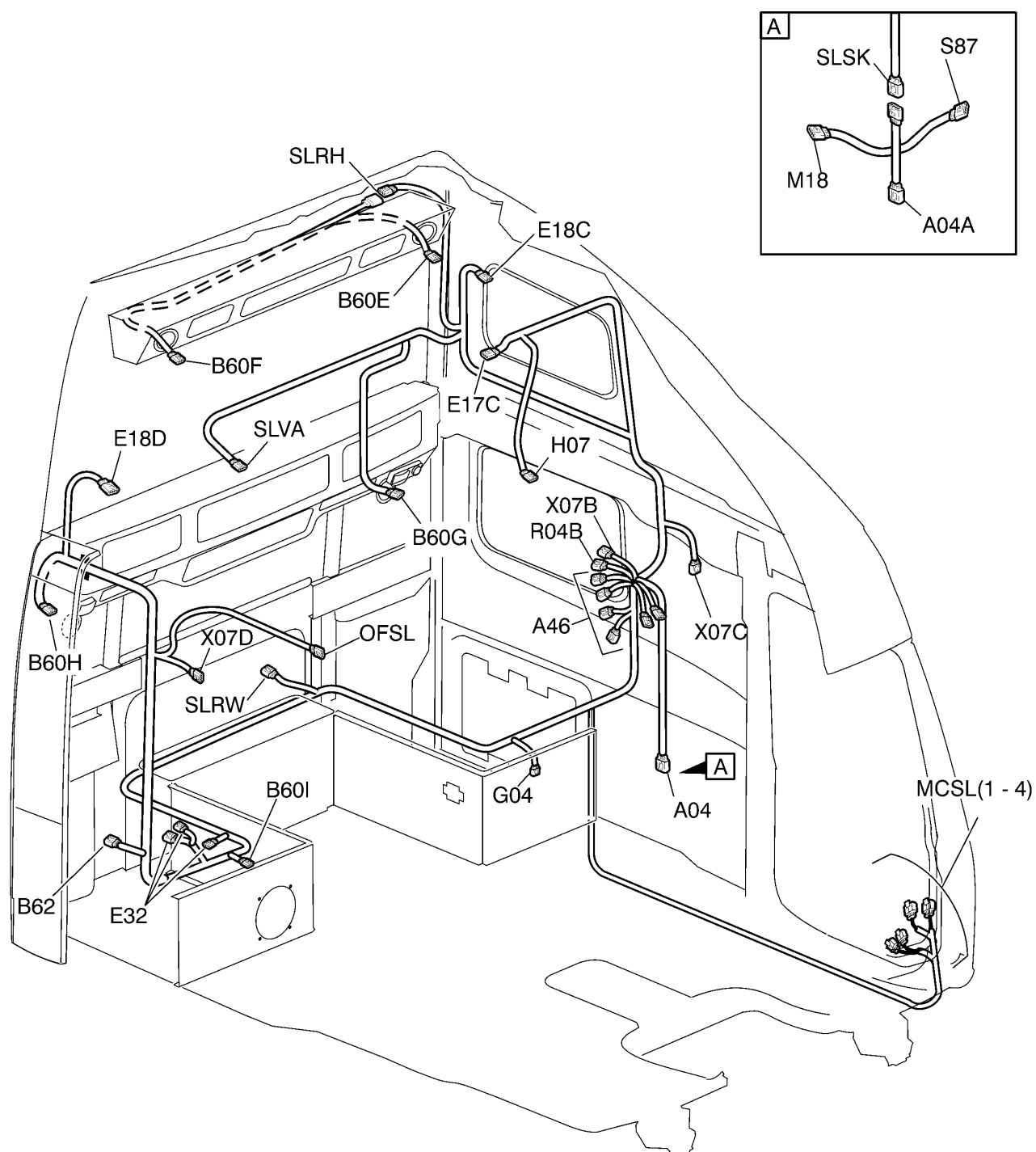
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Rear Cab Harness, VN670



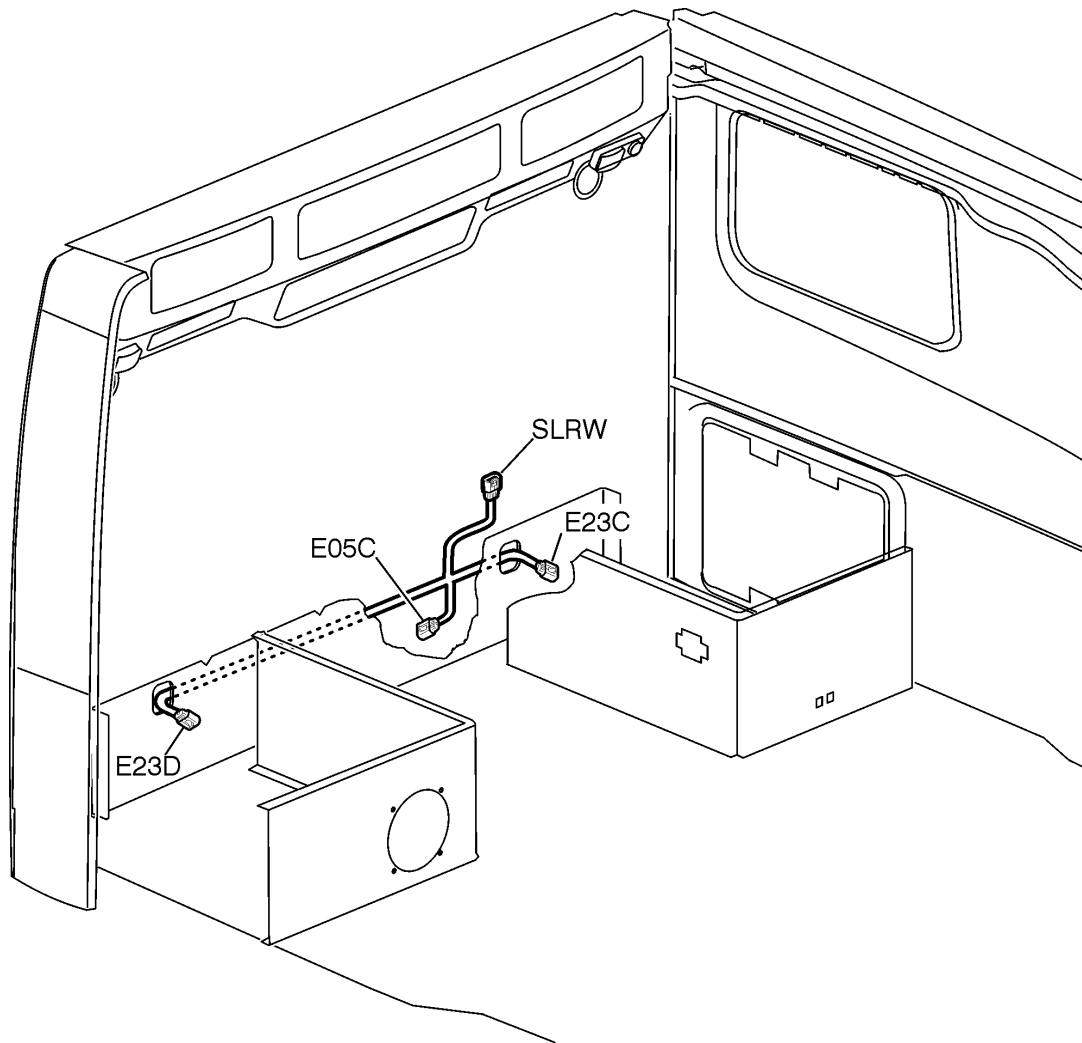
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Rear Cab Harness, VN780/VT



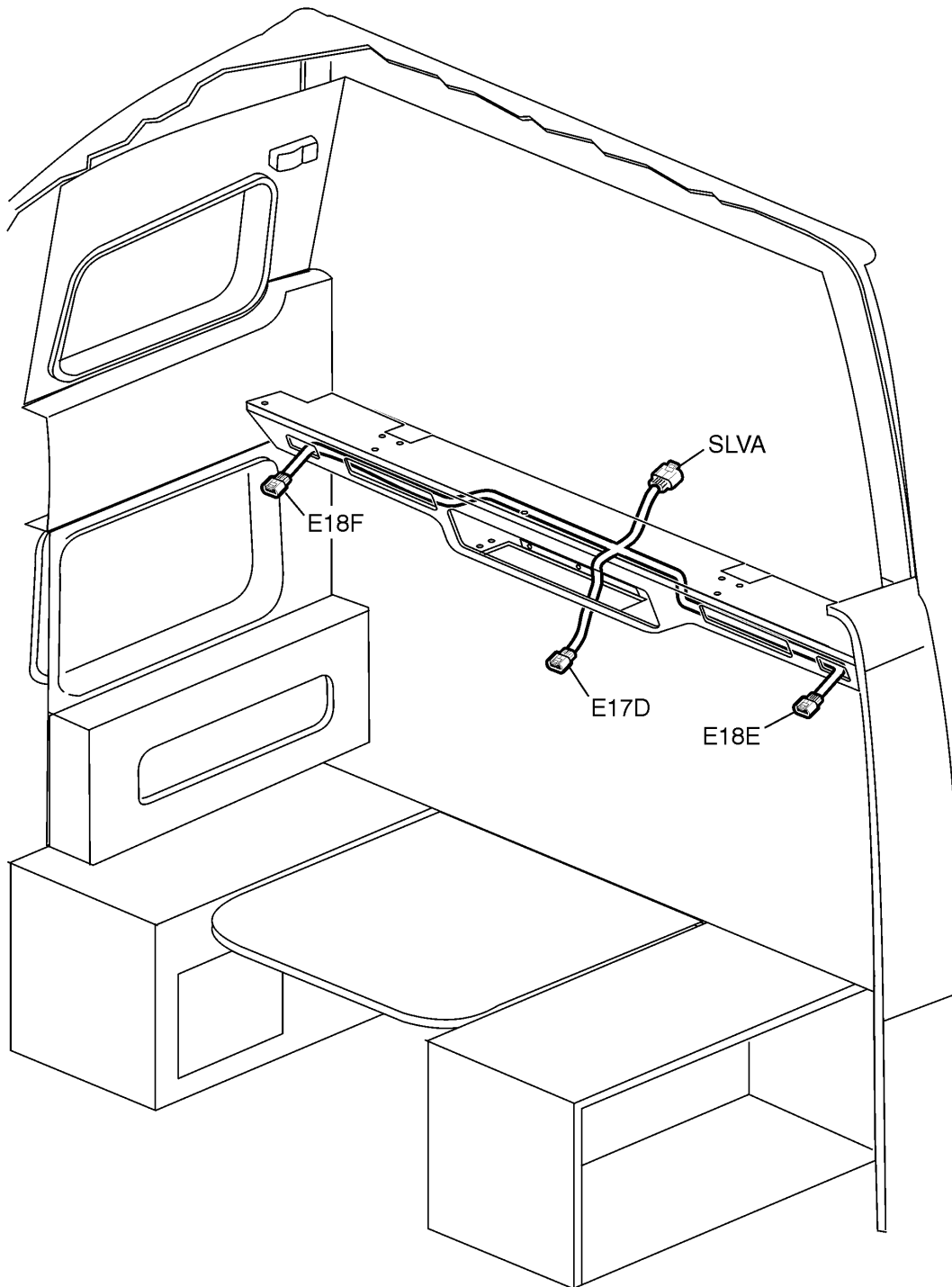
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Rear Cab, Lower Wall Harness, VN780



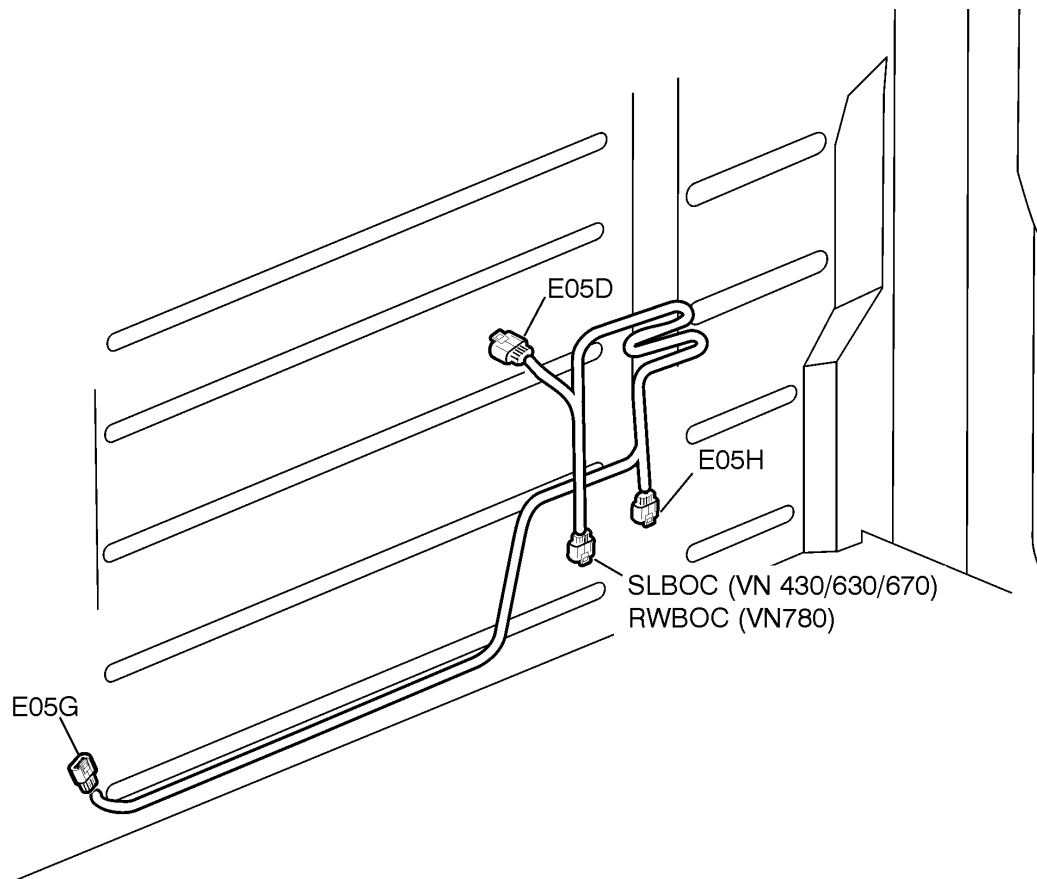
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Rear Cab Valance Harness, VN780



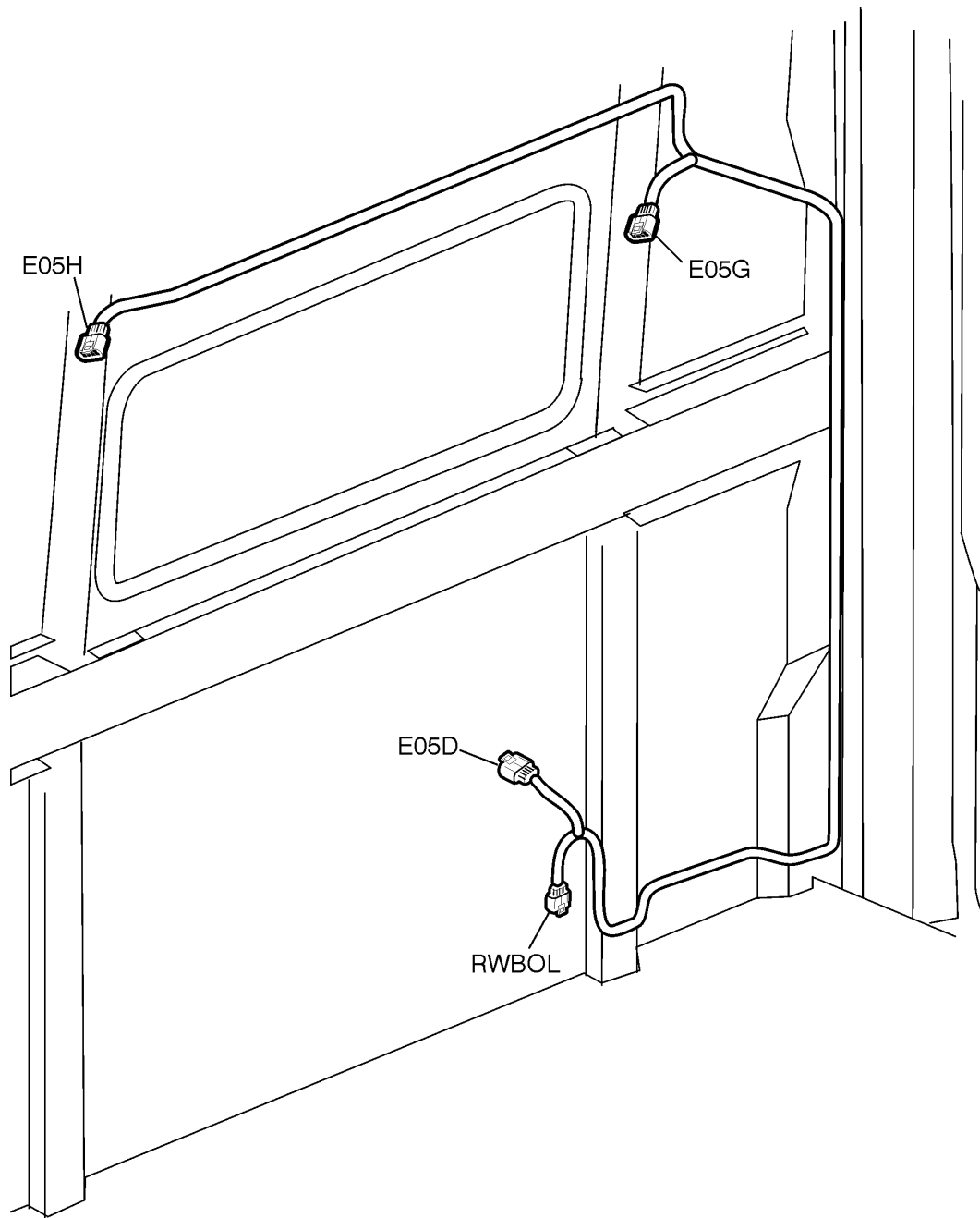
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Rear Cab Harness, Back of Cab Lights (HDI/HDO Variant)



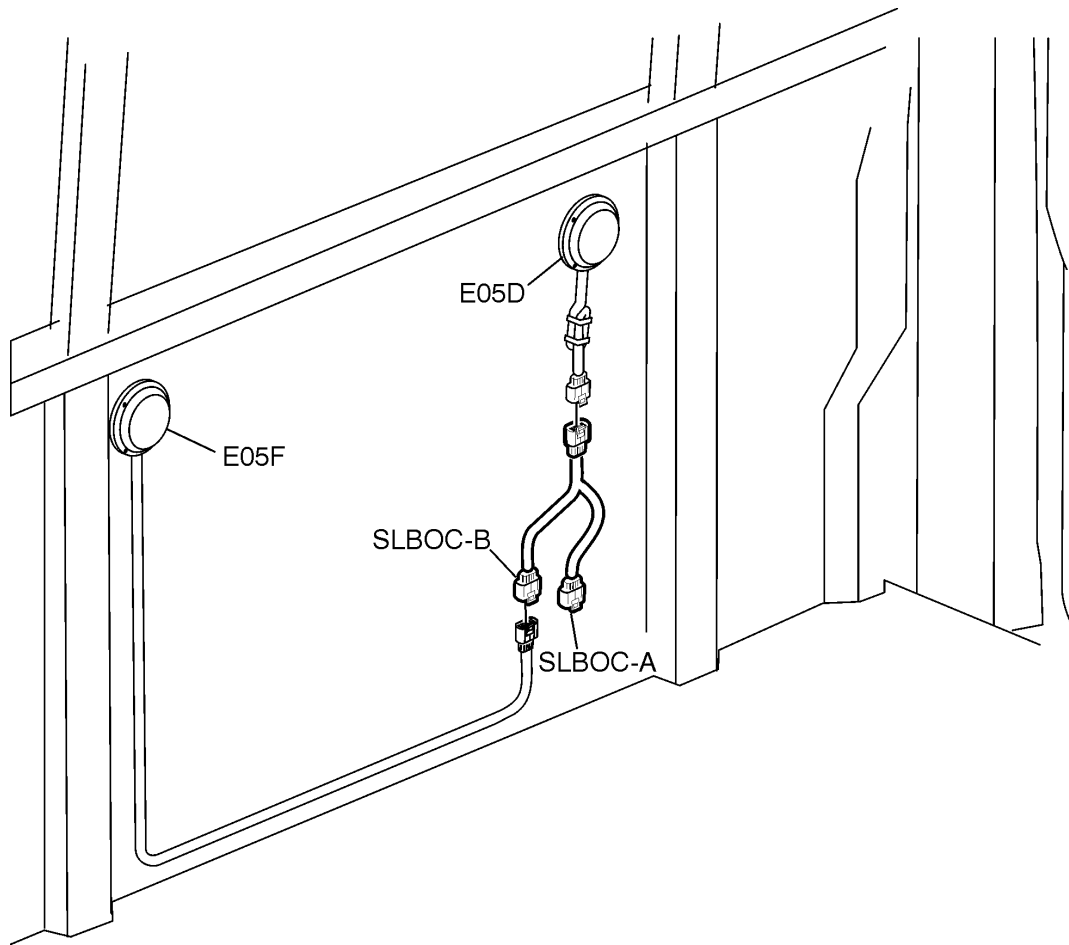
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Rear Cab Harness, Back of Cab Lights (LDI/LDO Variant)



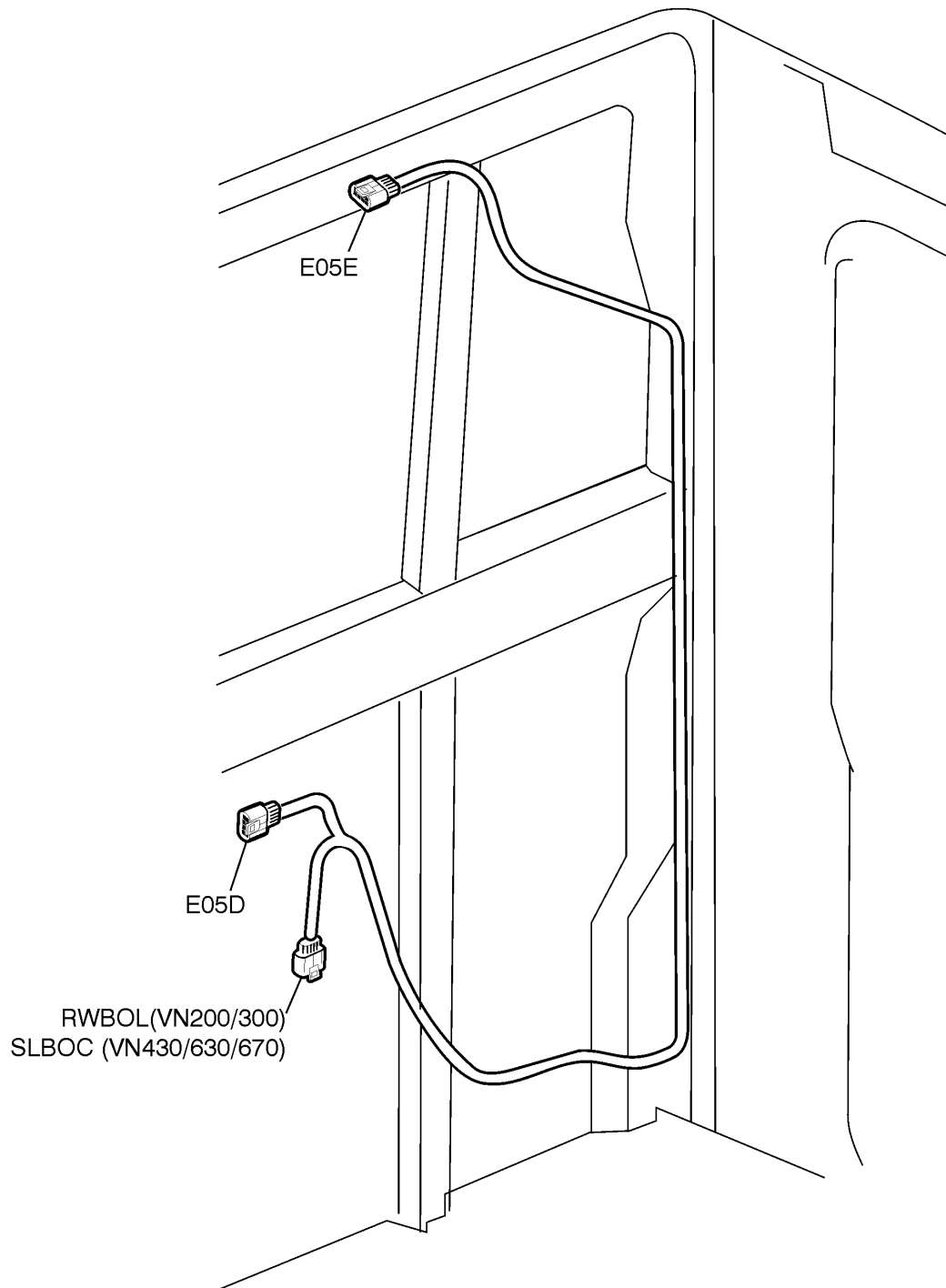
W3005903

Rear Cab Harness, Fifth Wheel Light



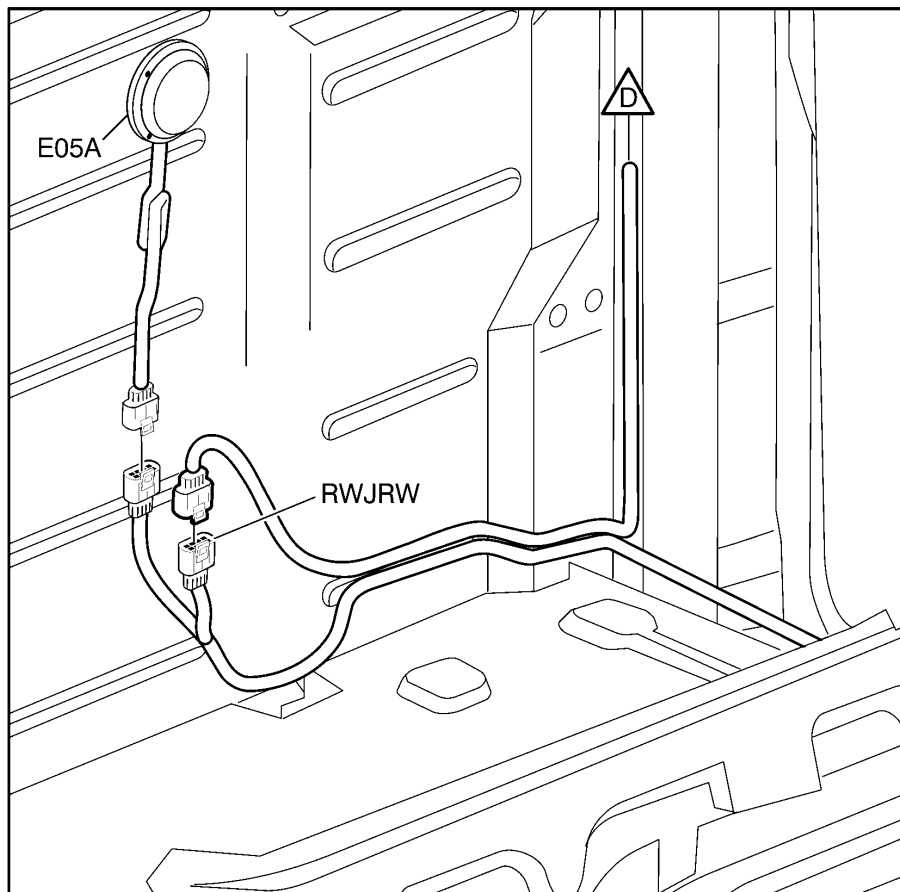
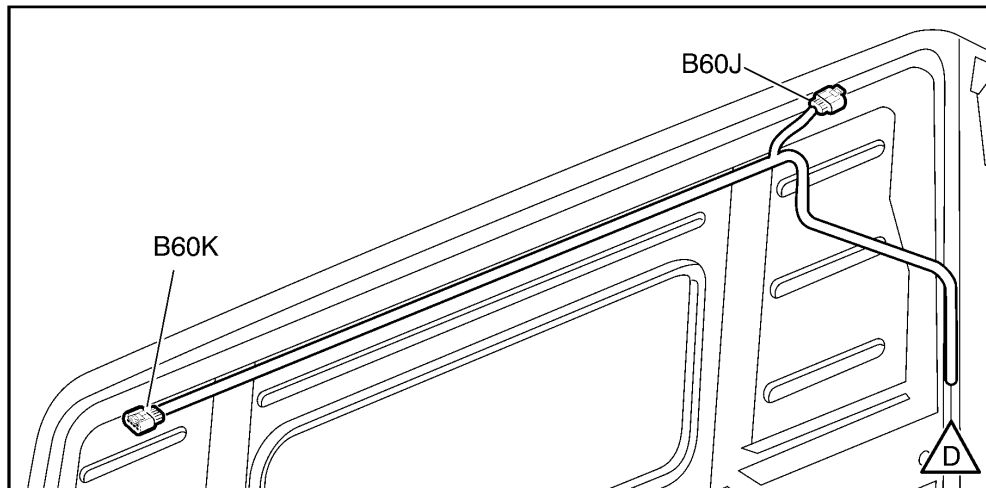
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Rear Cab Harness, Fifth Wheel Light



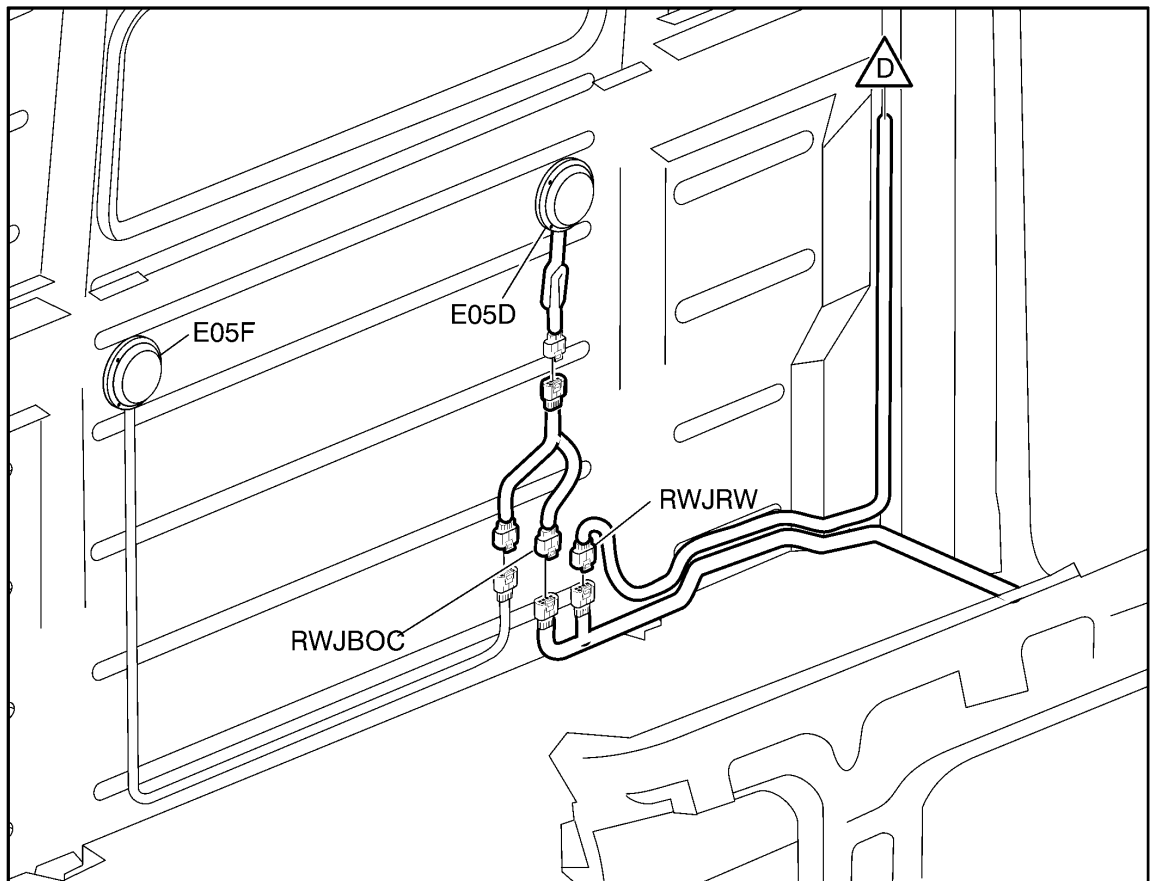
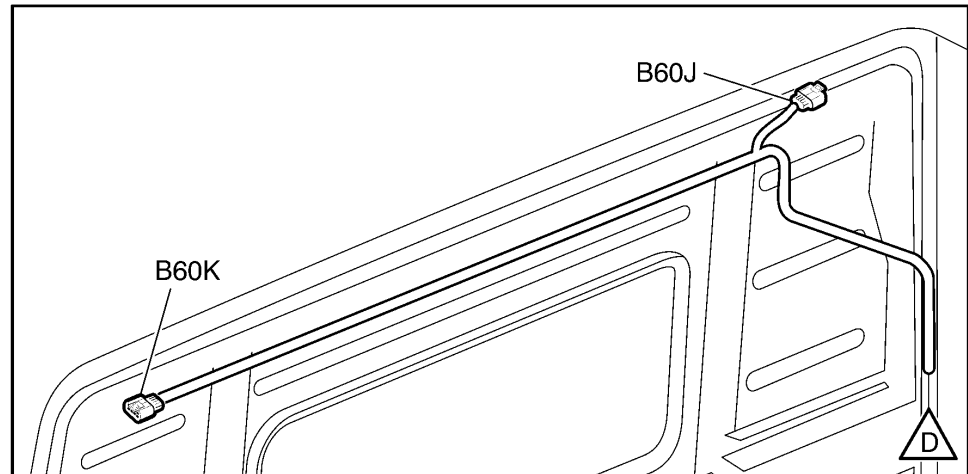
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Rear Cab Harness, Fifth Wheel Light and Rear Speakers (Daycab)



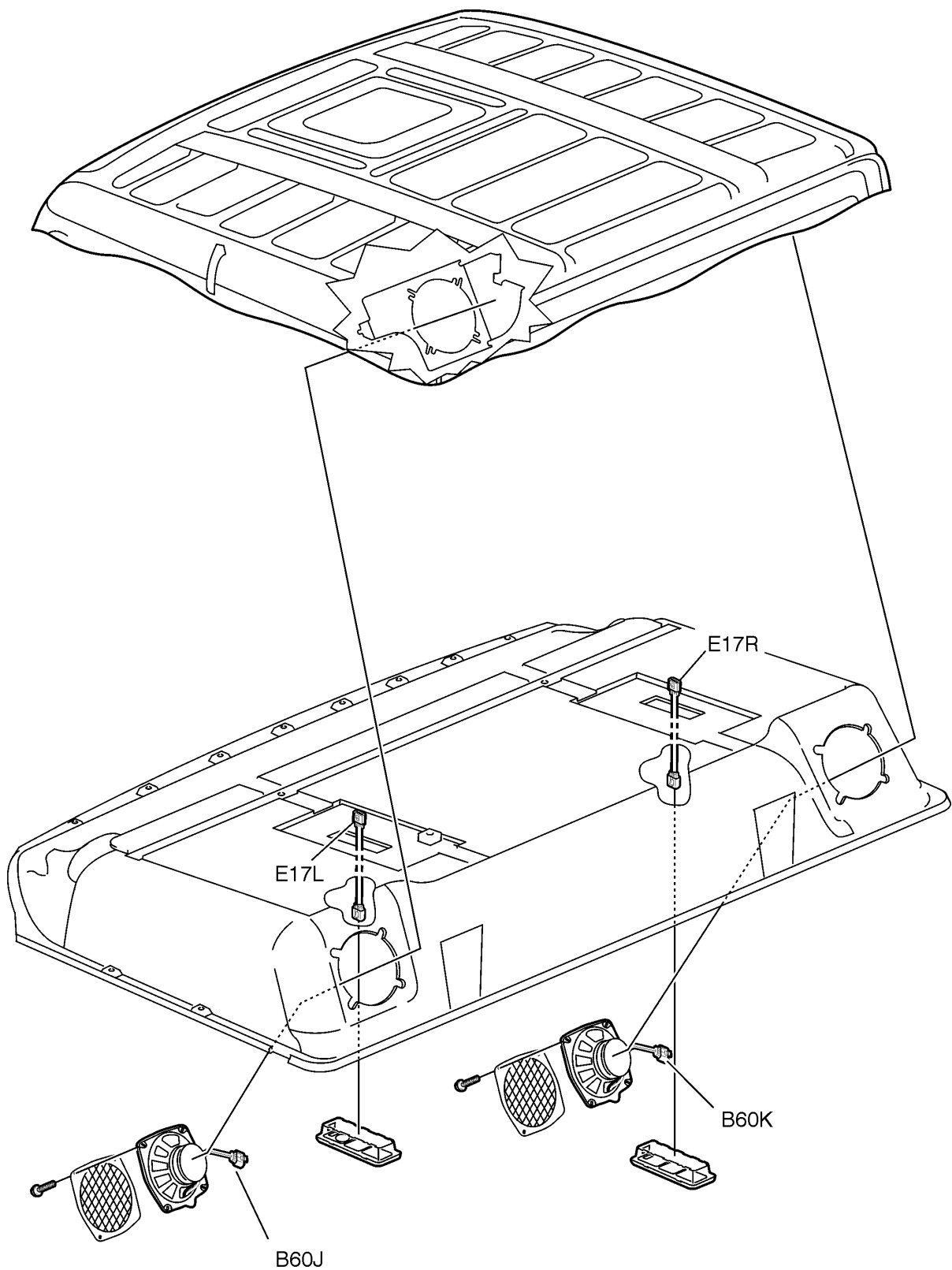
W3007177

Rear Cab Harness, Dual Fifth Wheel Light and Rear Speakers (Daycab)



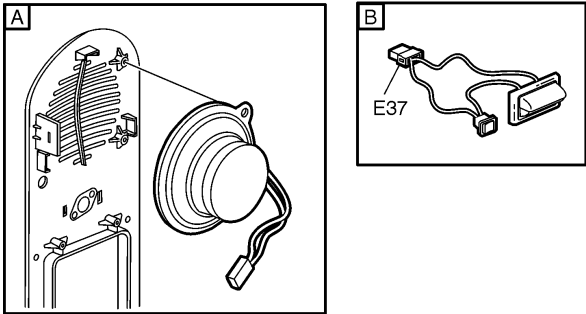
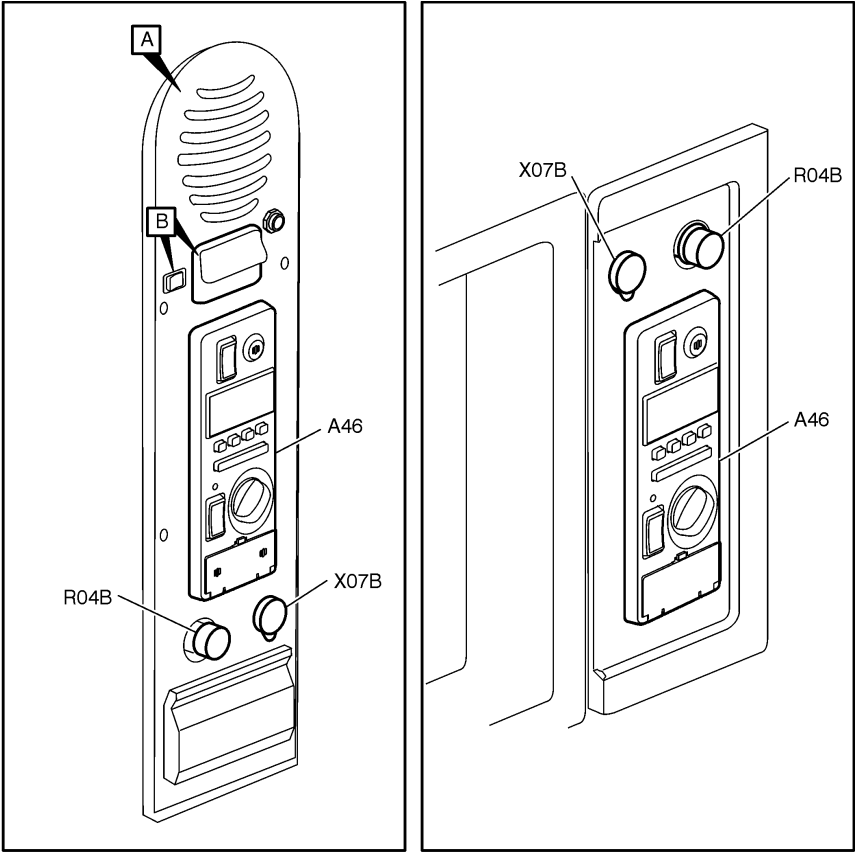
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Rear Cab Harness, Overhead Lights and Rear Speaker Detail



W3005939

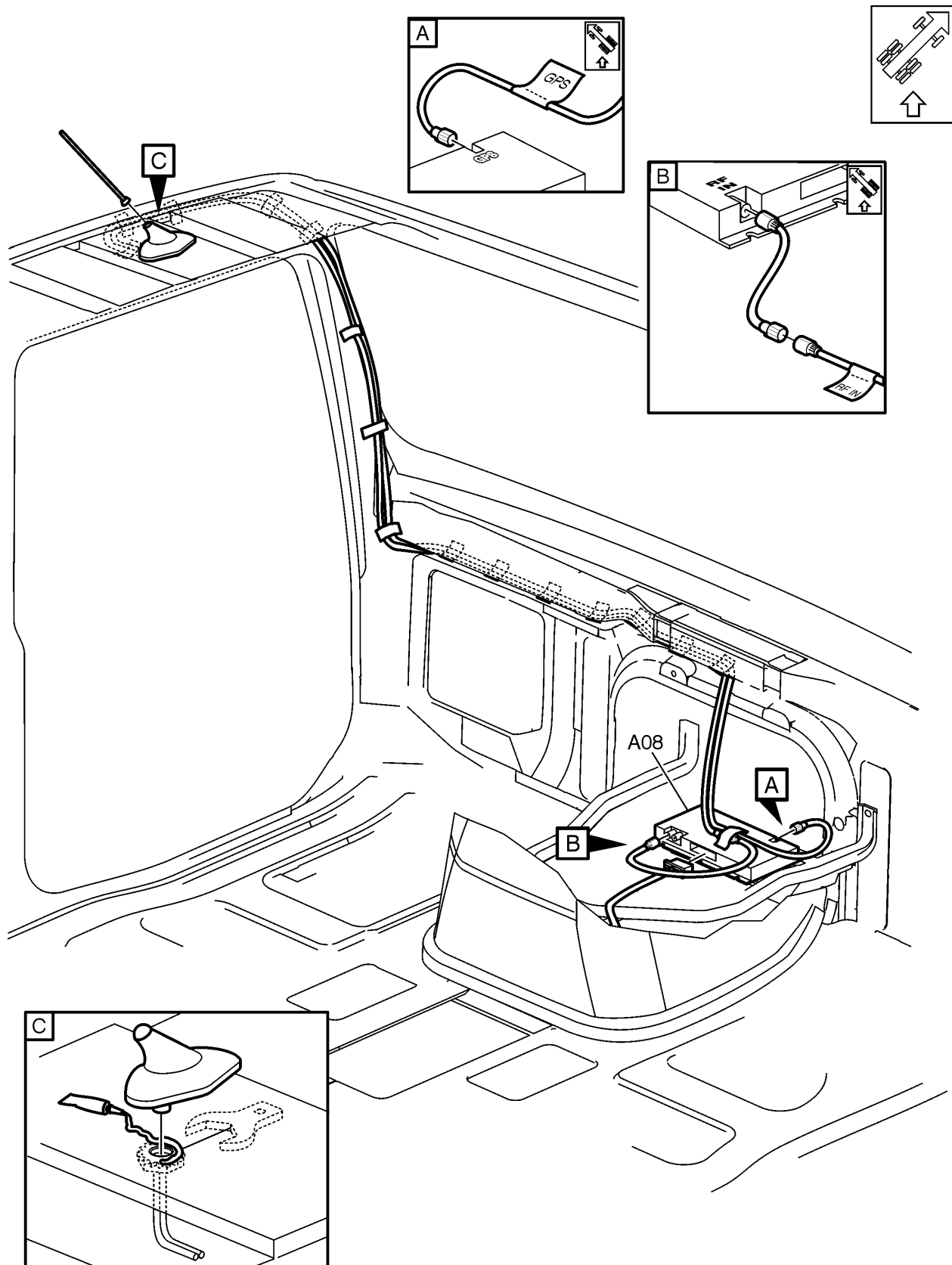
Sleeper Control Panel (LECM)



W3005951

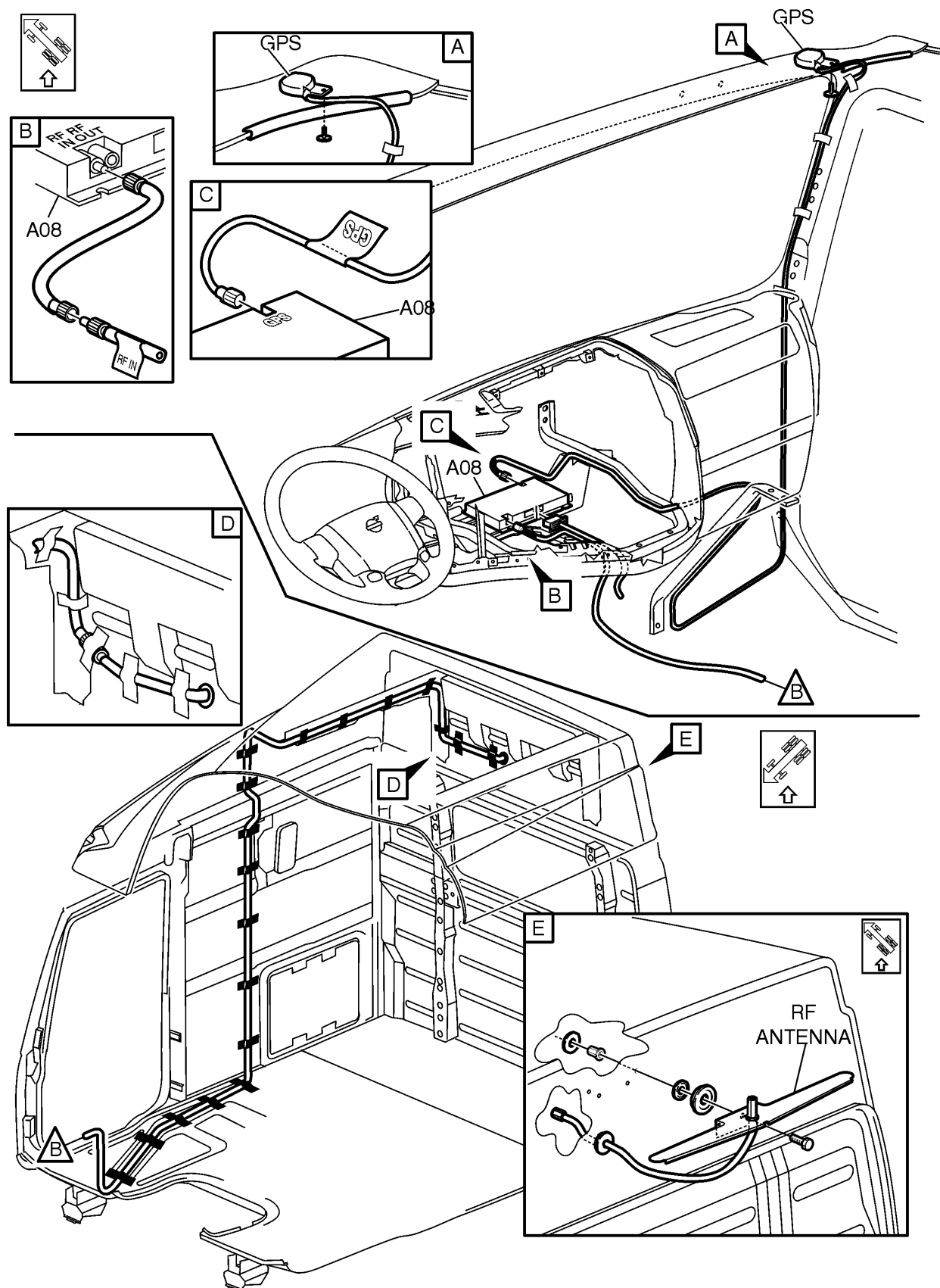
Volvo Link Harness and Antennas

Volvo Link Harness and Antennas, Day Cab



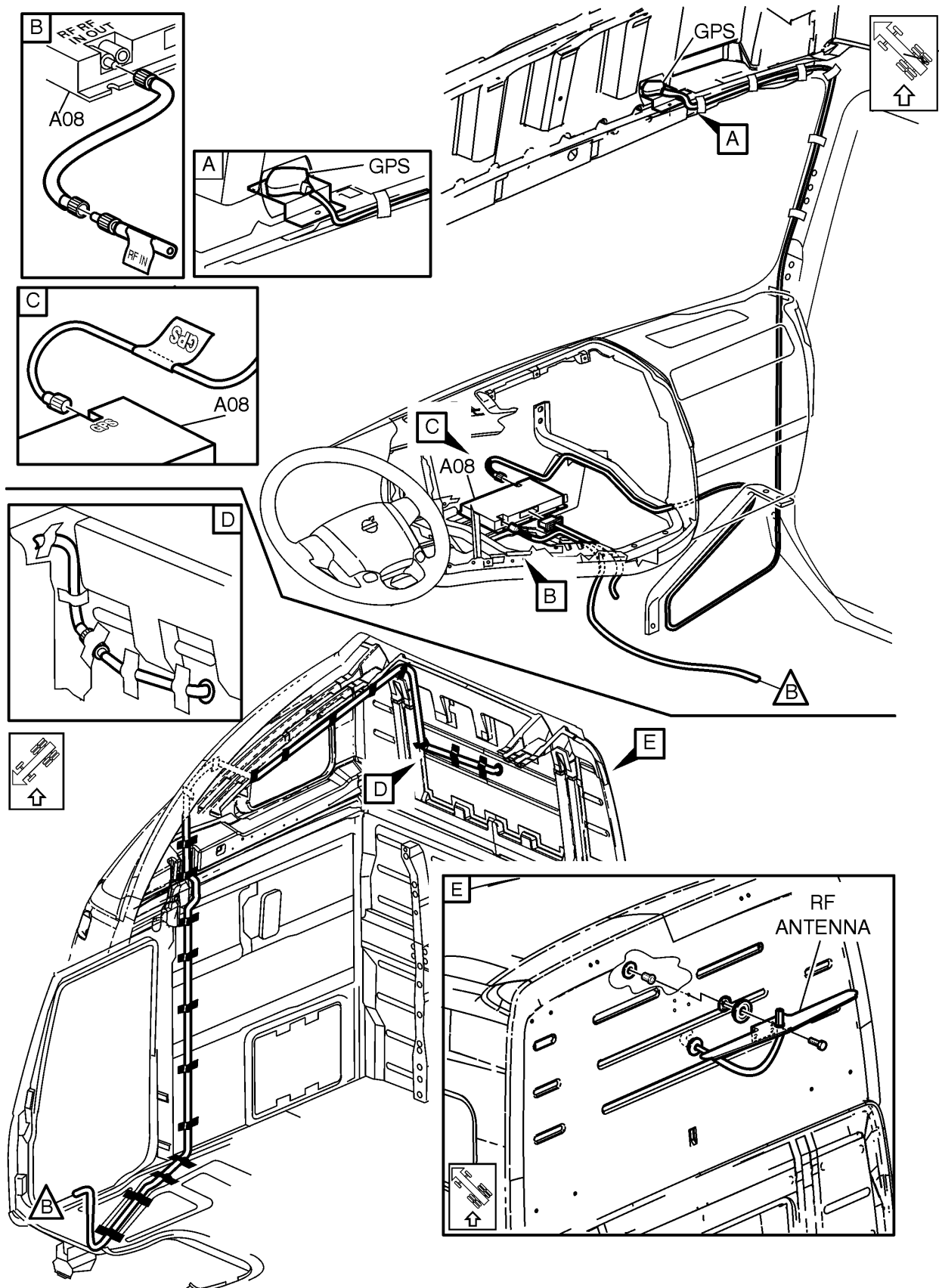
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Volvo Link Harness and Antennas, 630 Sleeper Cab



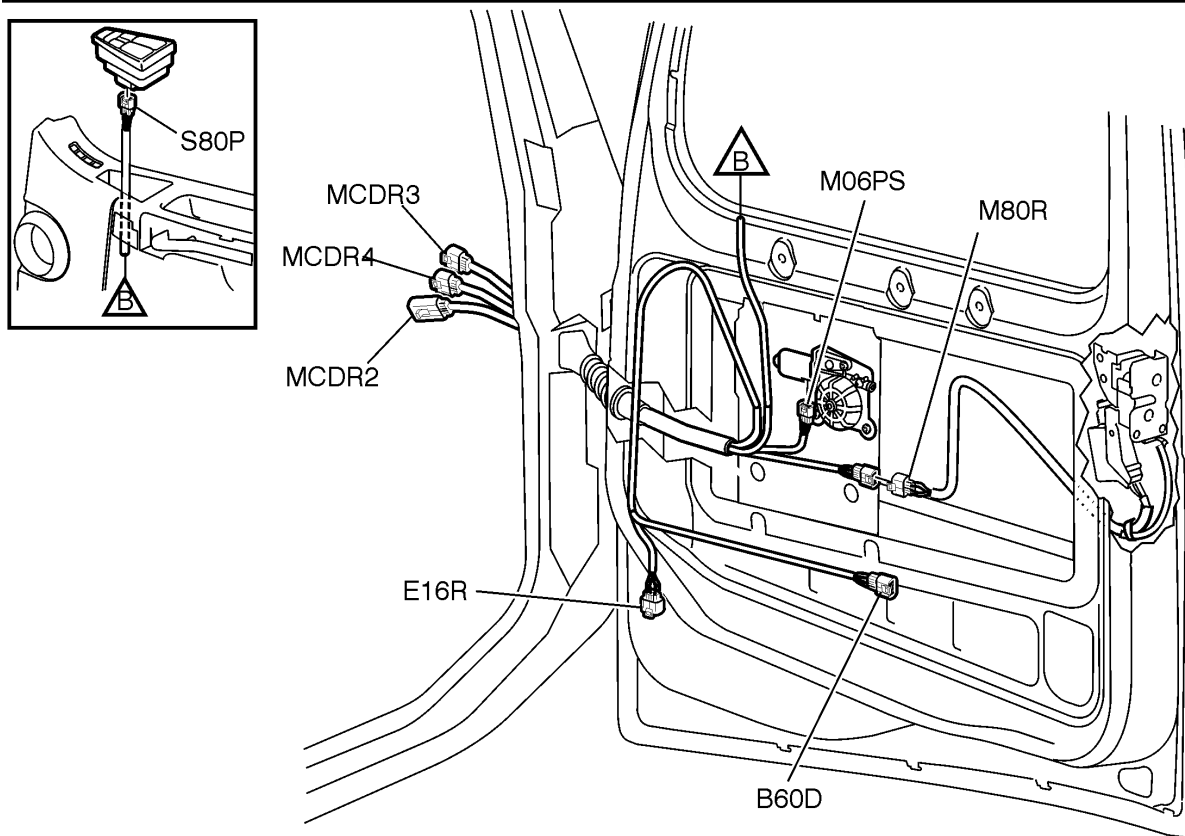
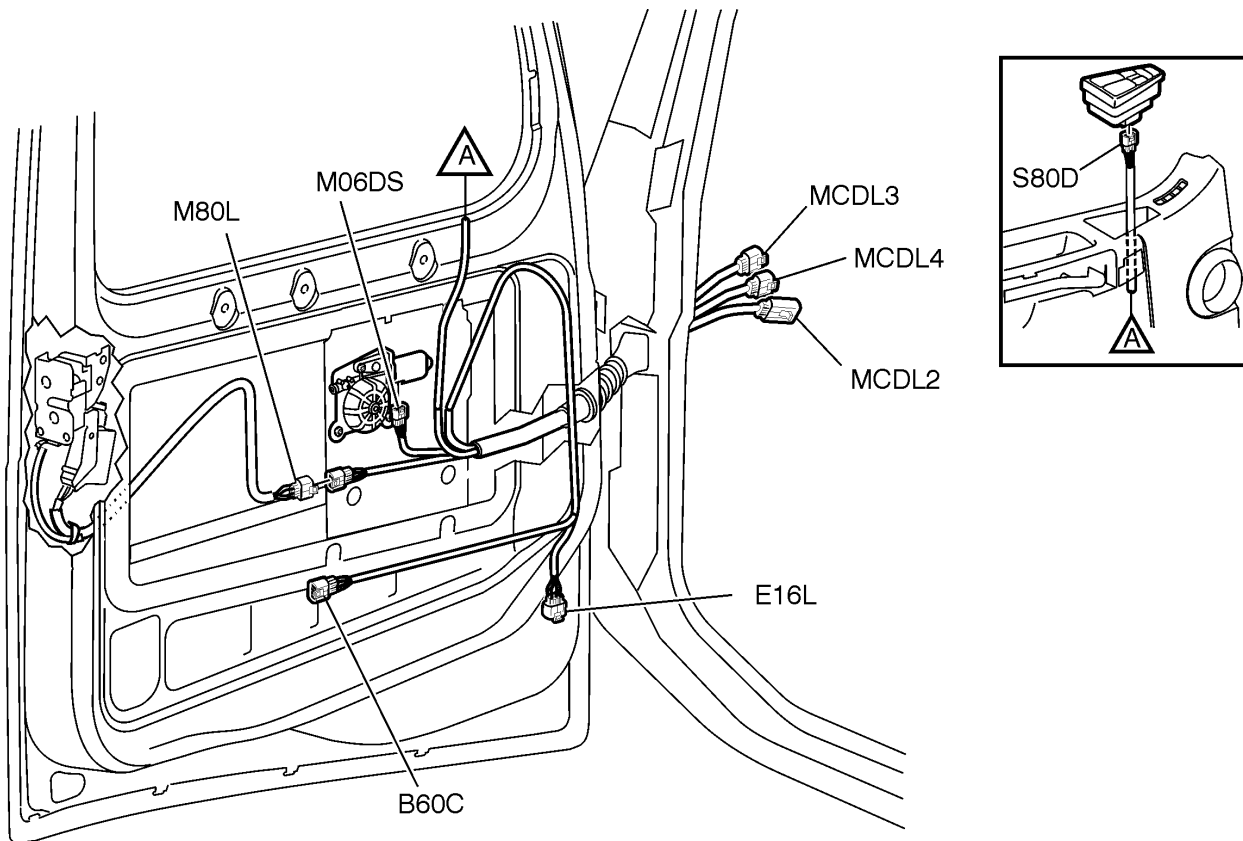
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Volvo Link Harness and Antennas, 670/780 Sleeper Cab



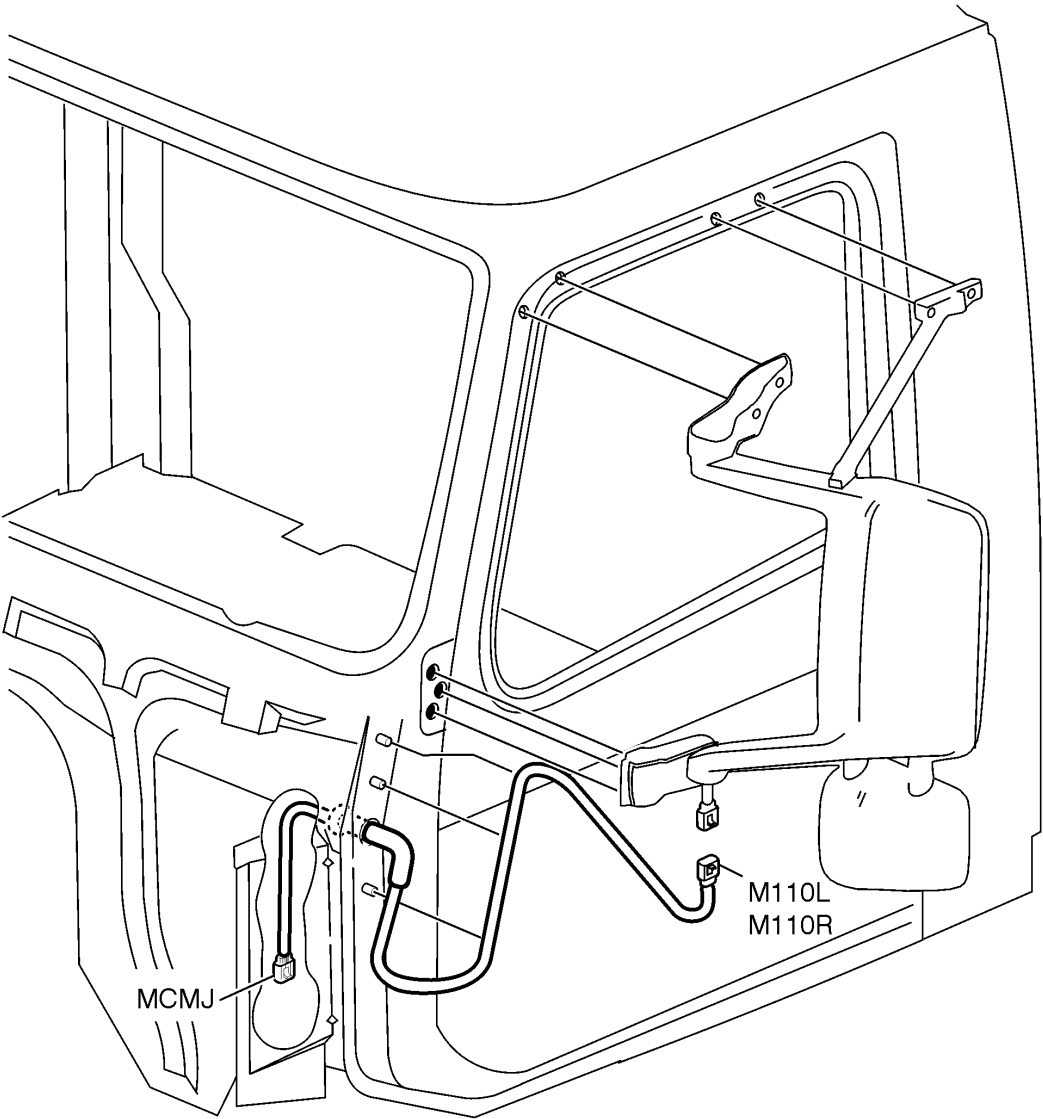
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Door Harness



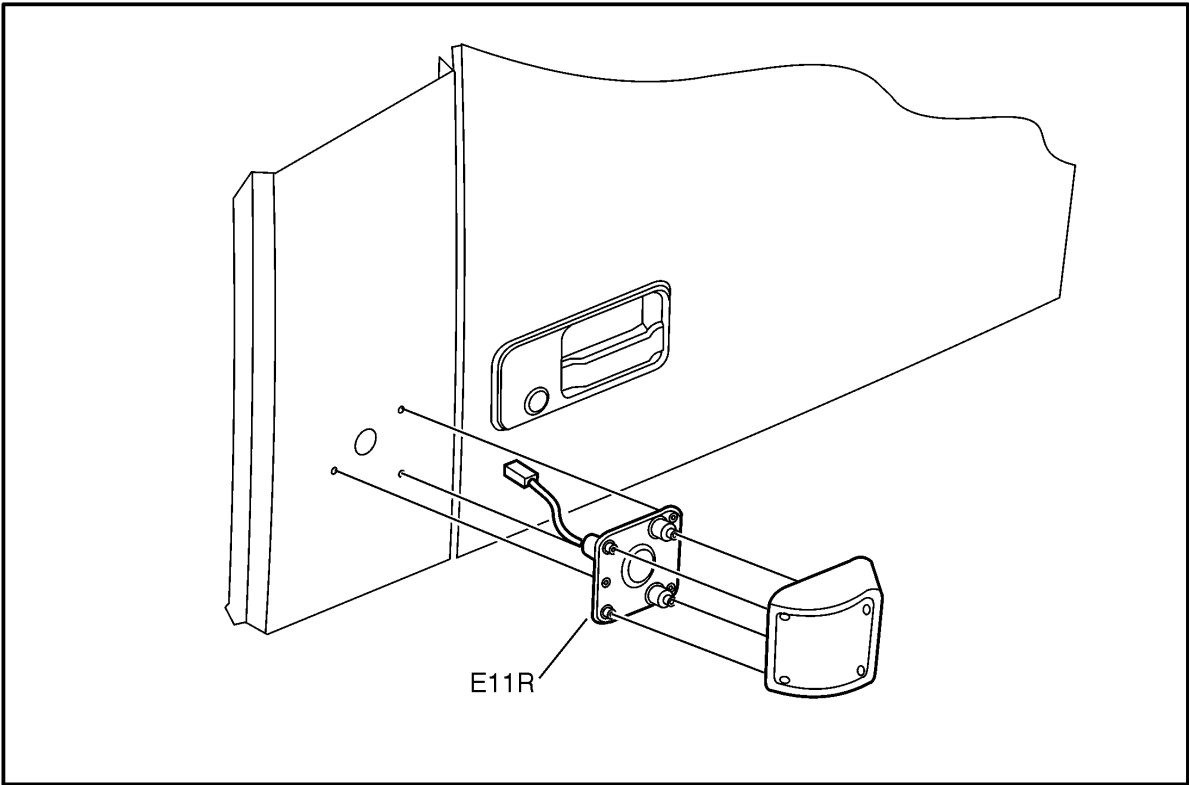
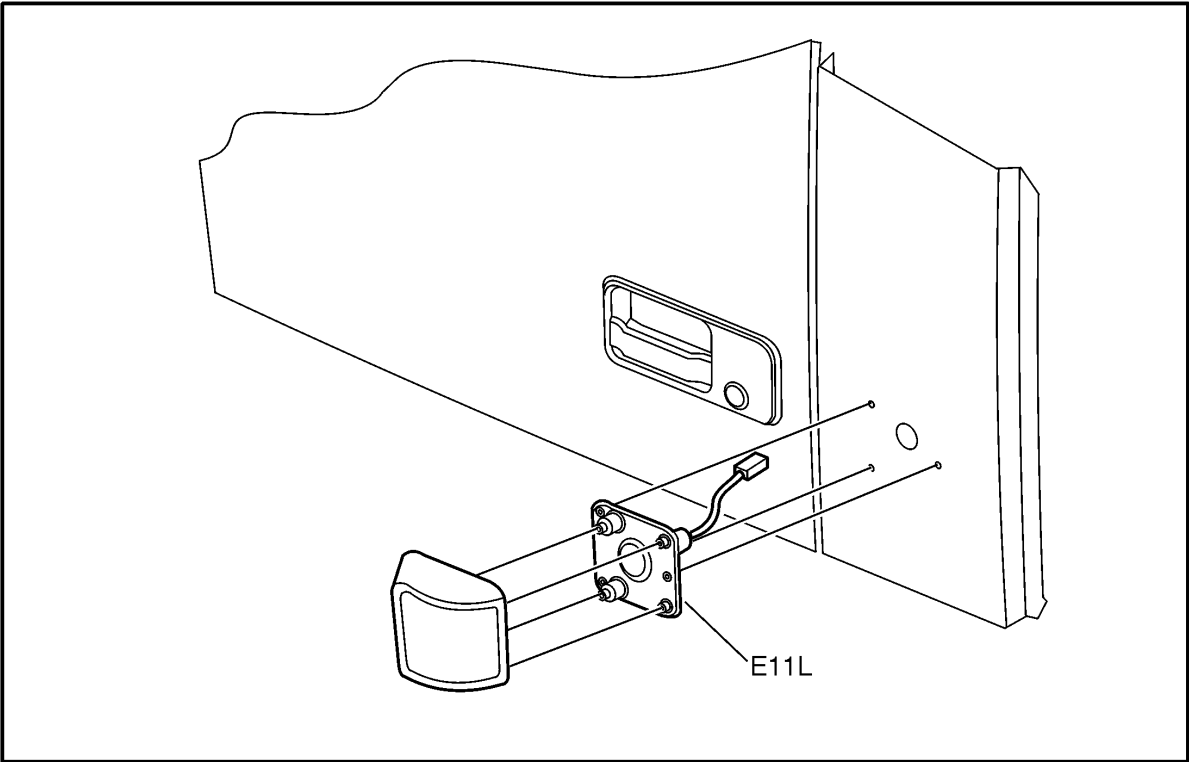
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Side Mirrors

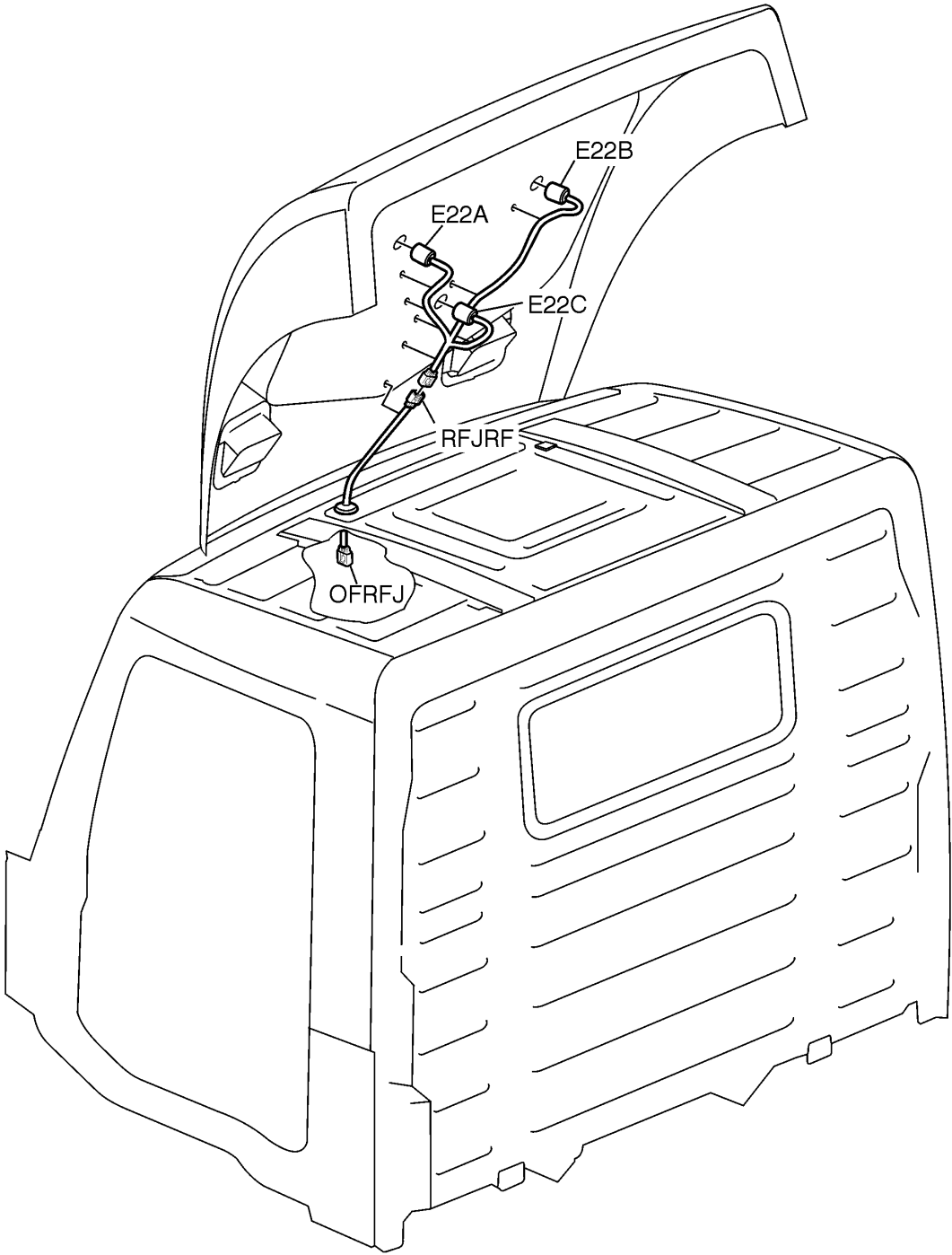


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Side Markers

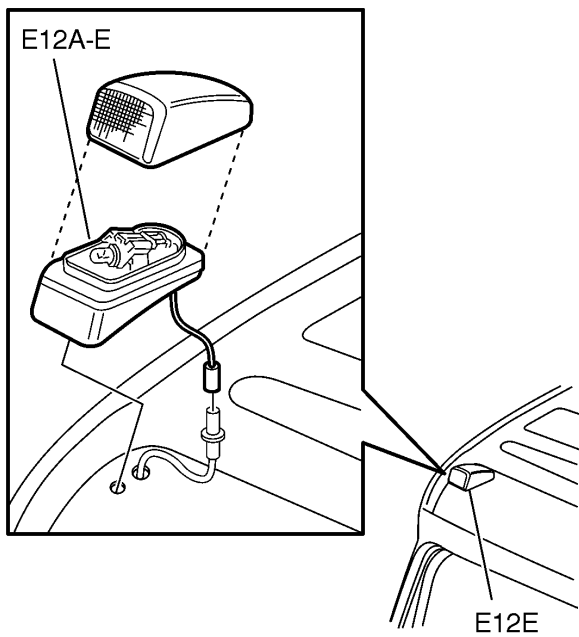
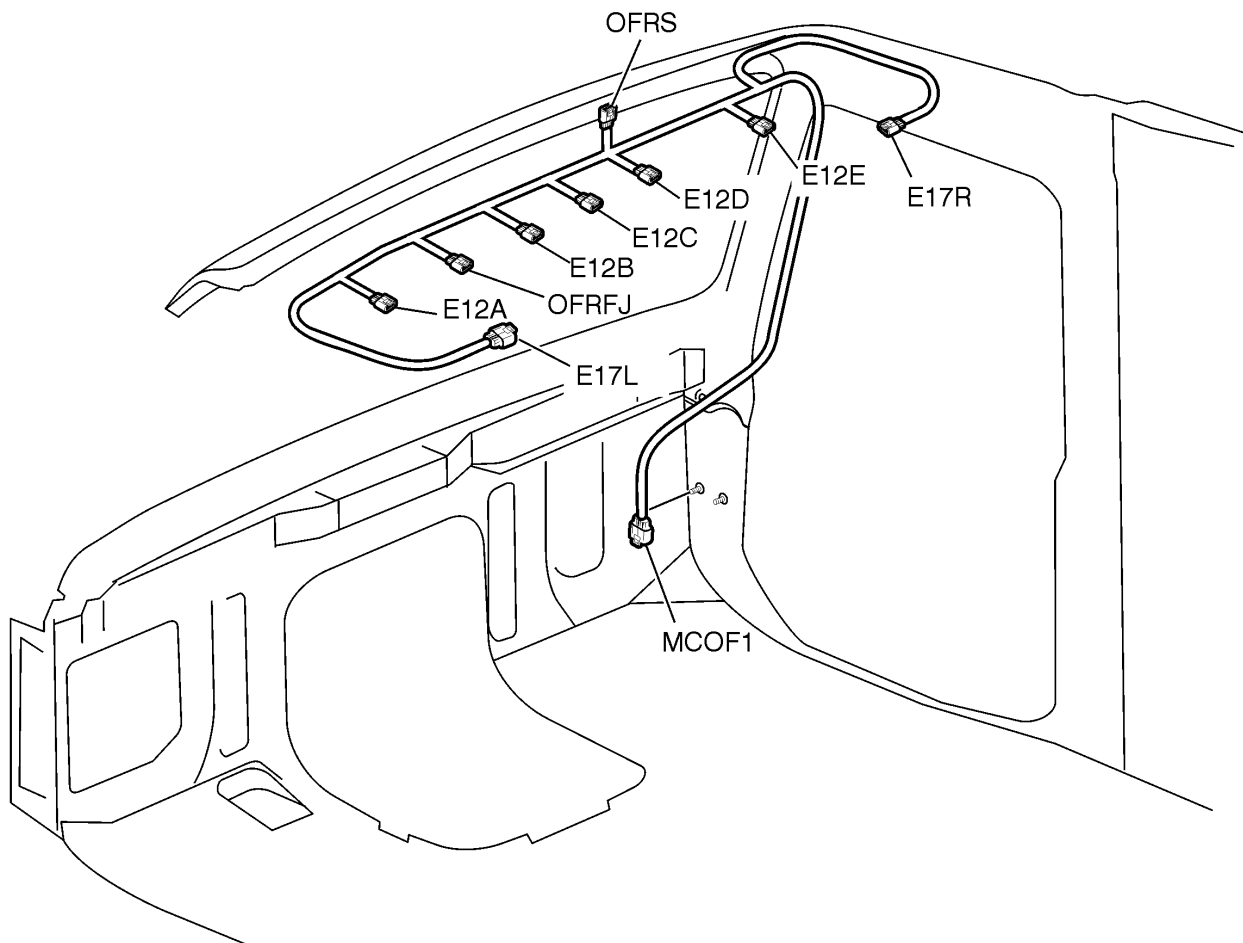


Roof Sign Harness



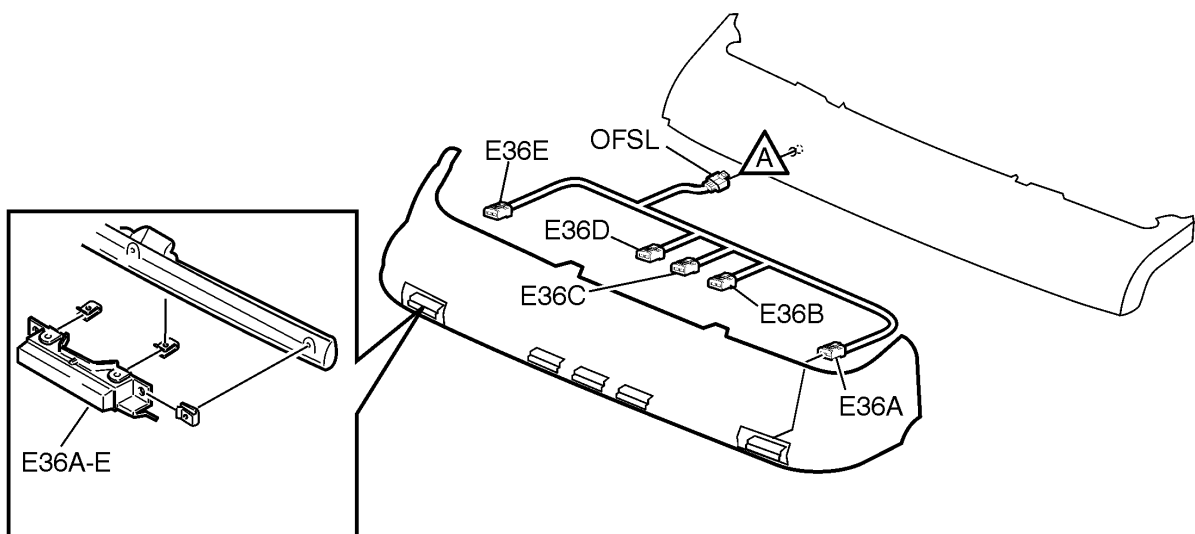
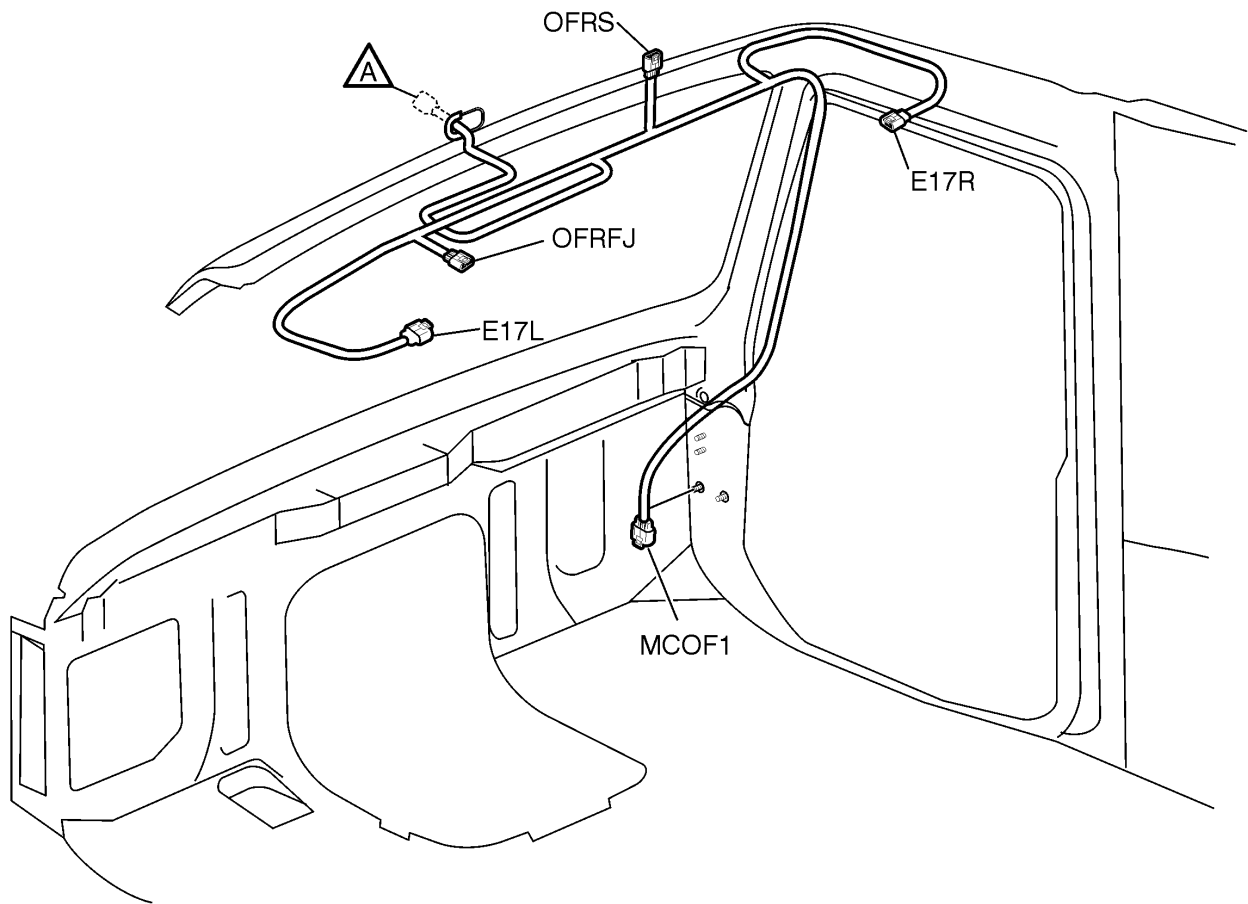
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Overhead Marker Lights



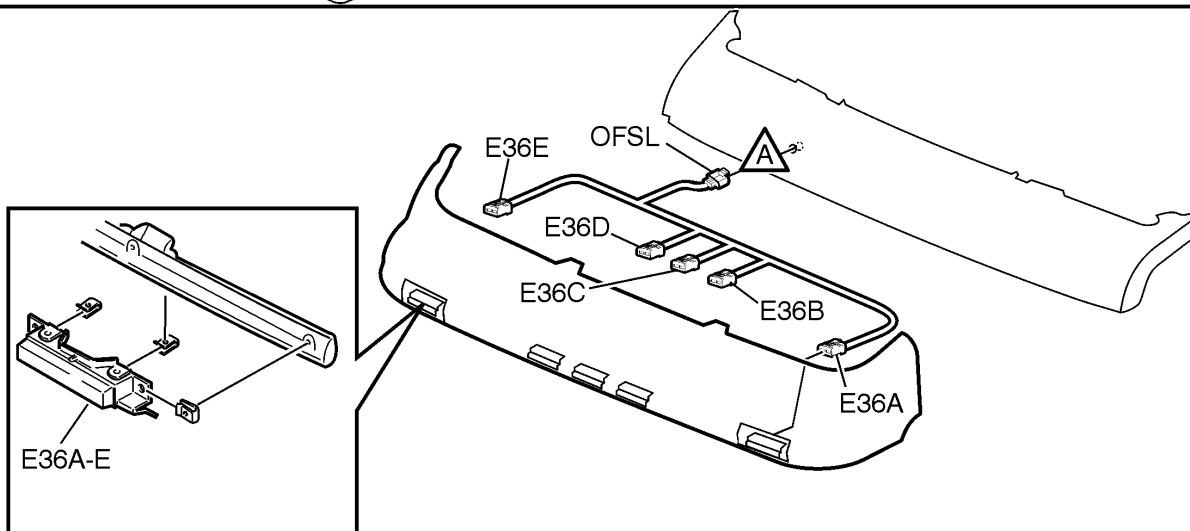
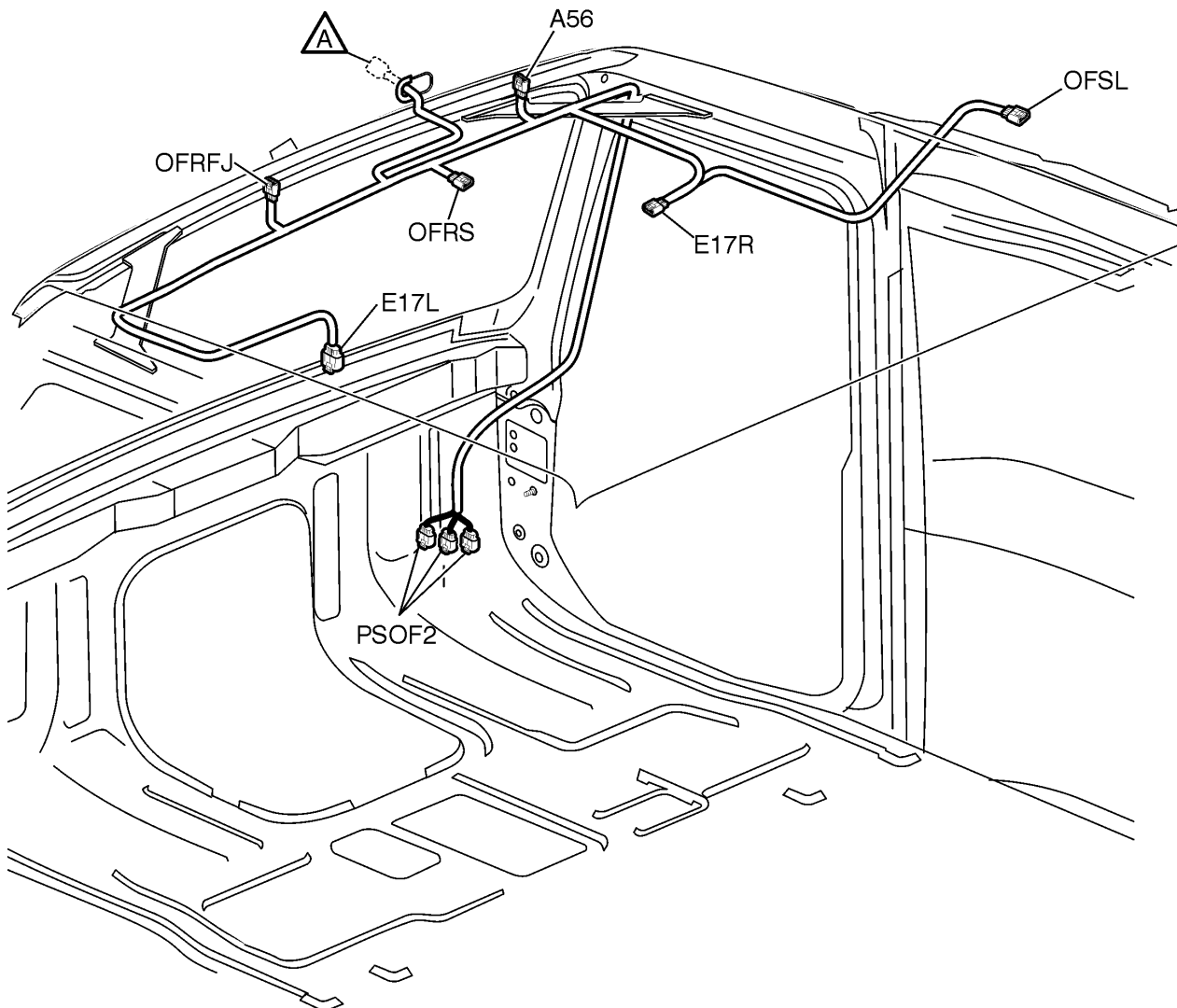
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Sunvisor Harness (Daycab, VN430 and 630)



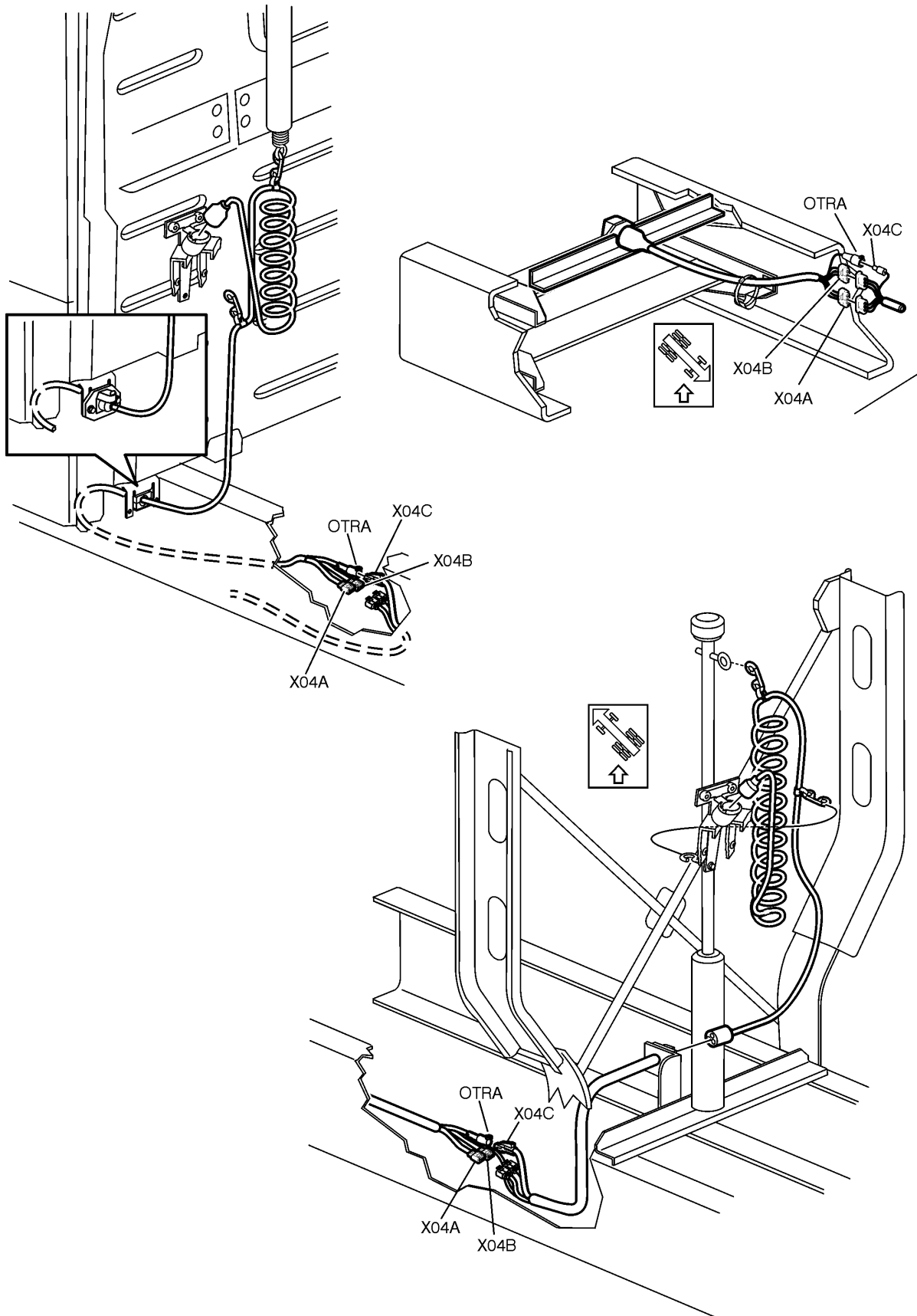
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Sunvisor Harness (VN670 and 780)

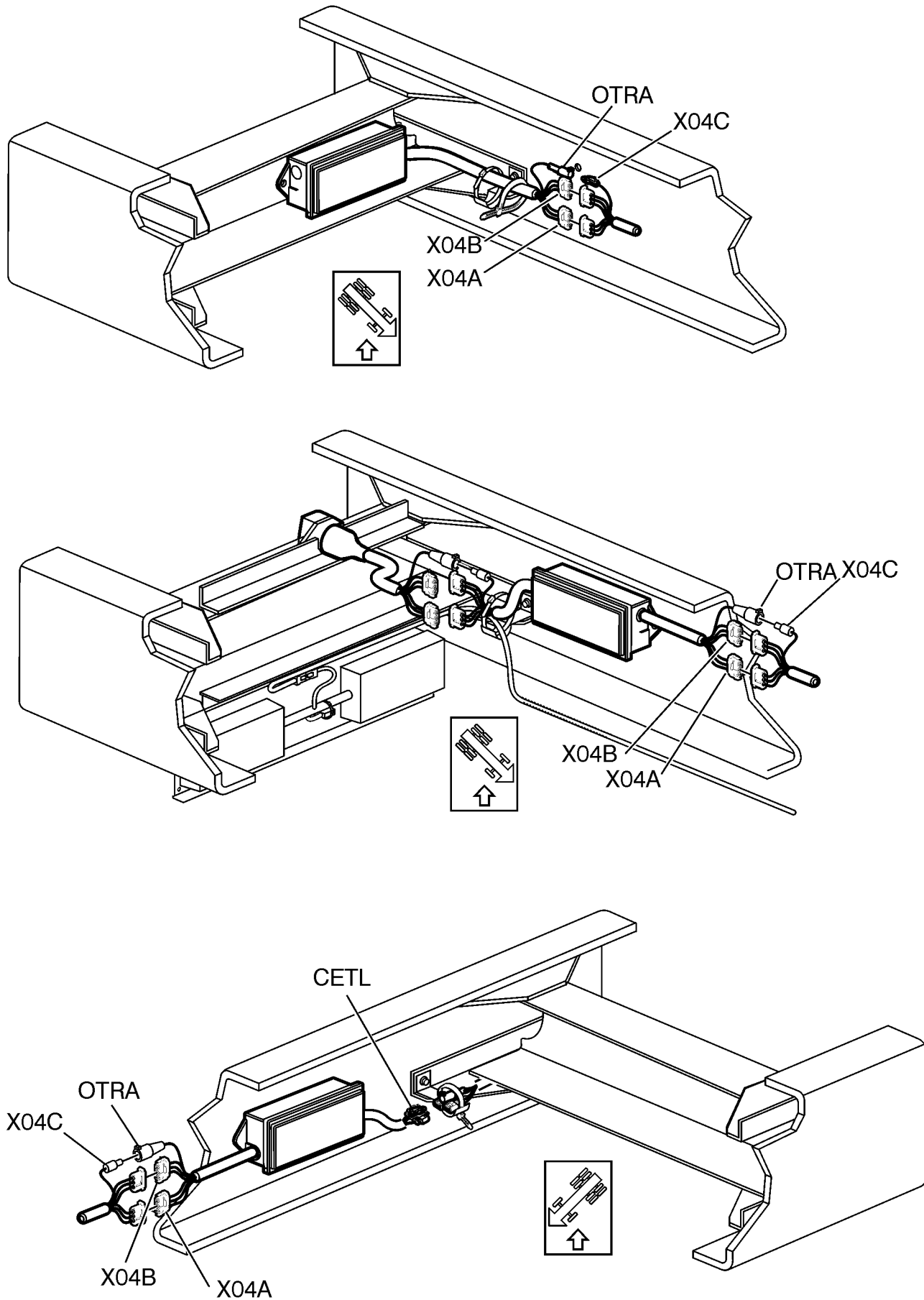


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Trailer Cable Connections

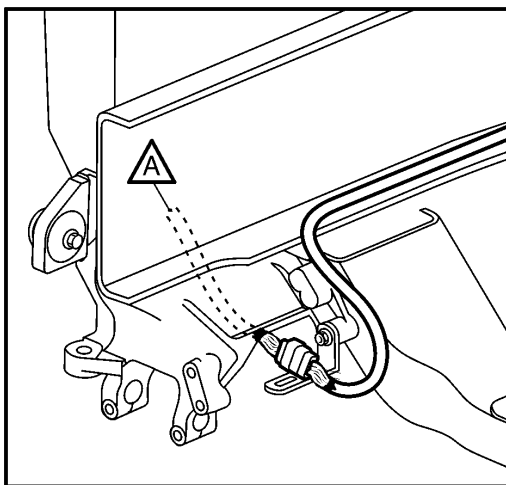
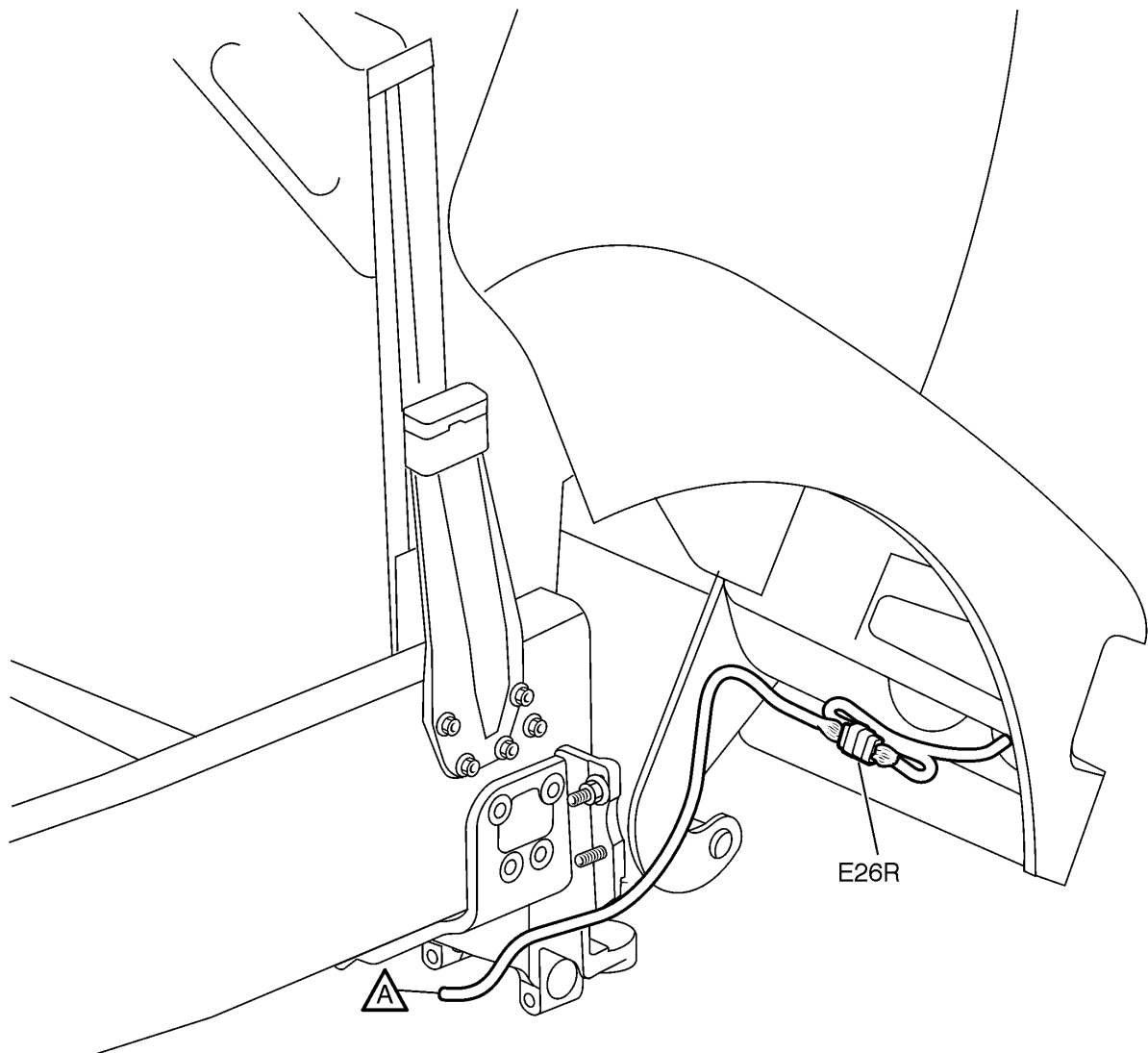


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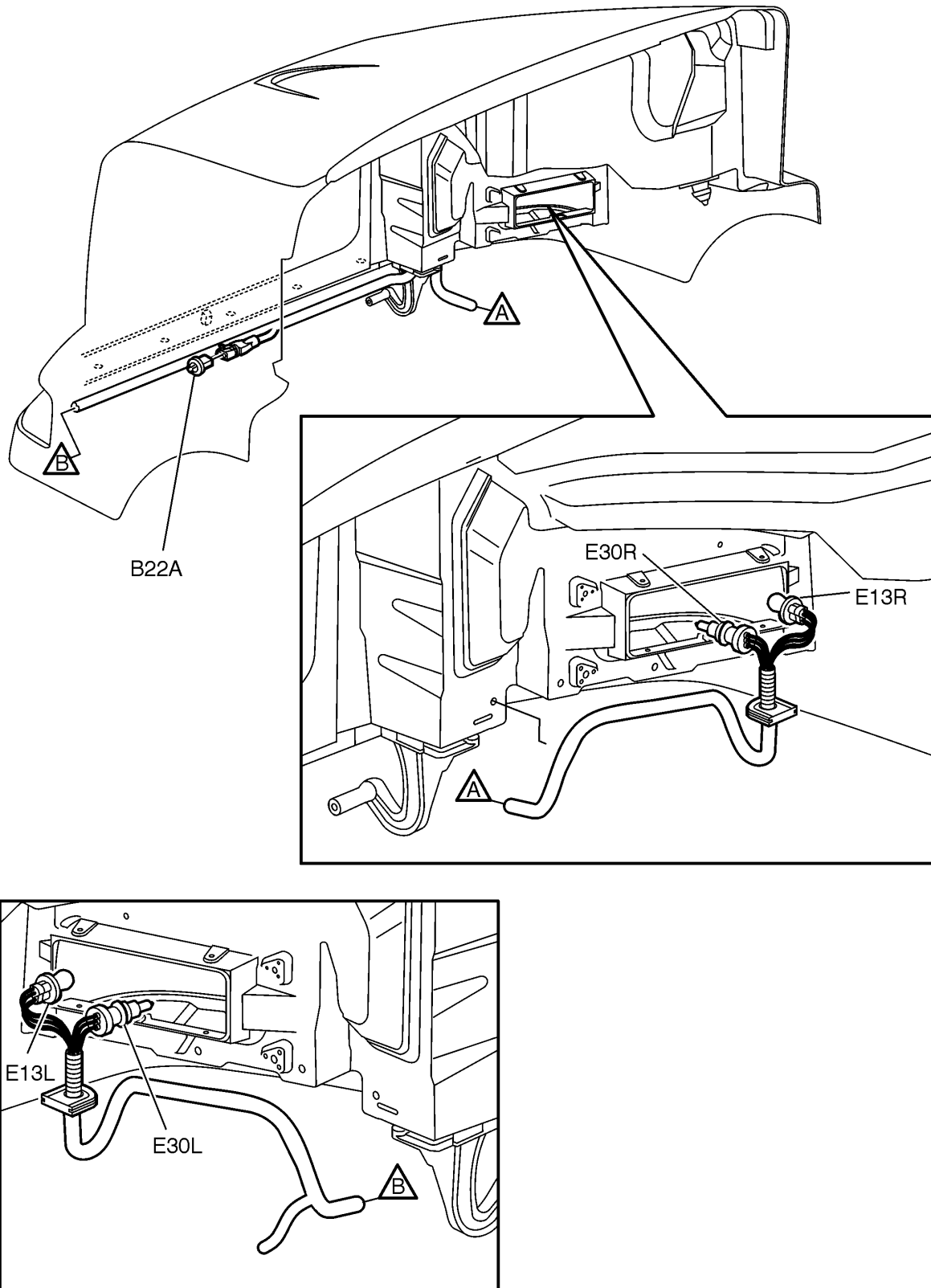
Bodybuilder Box, VHD

W3006894

Headlight Harness, VHD

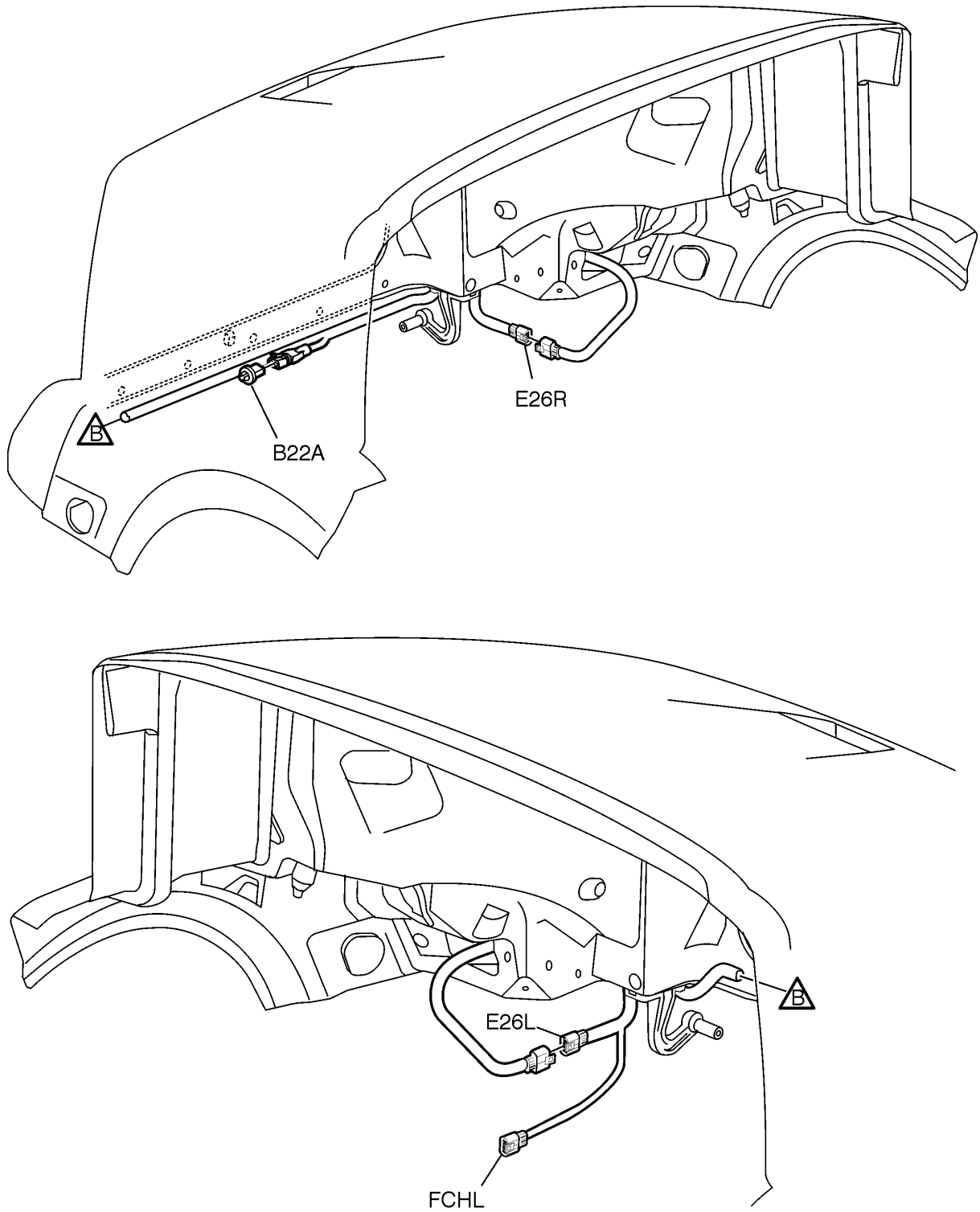


Headlight Harness, VNM



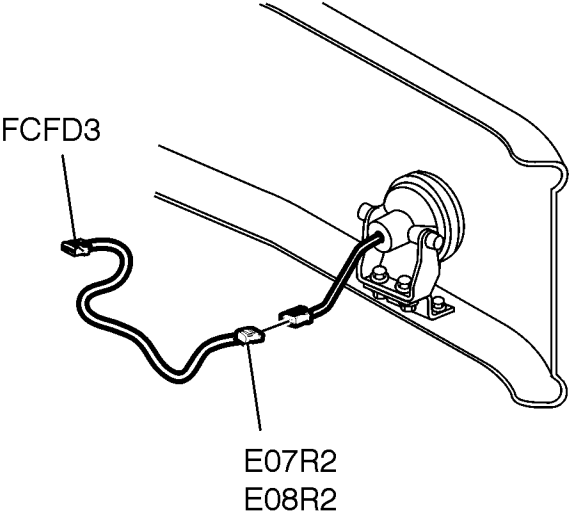
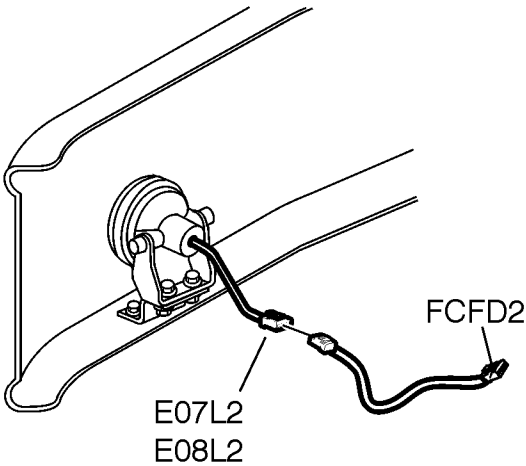
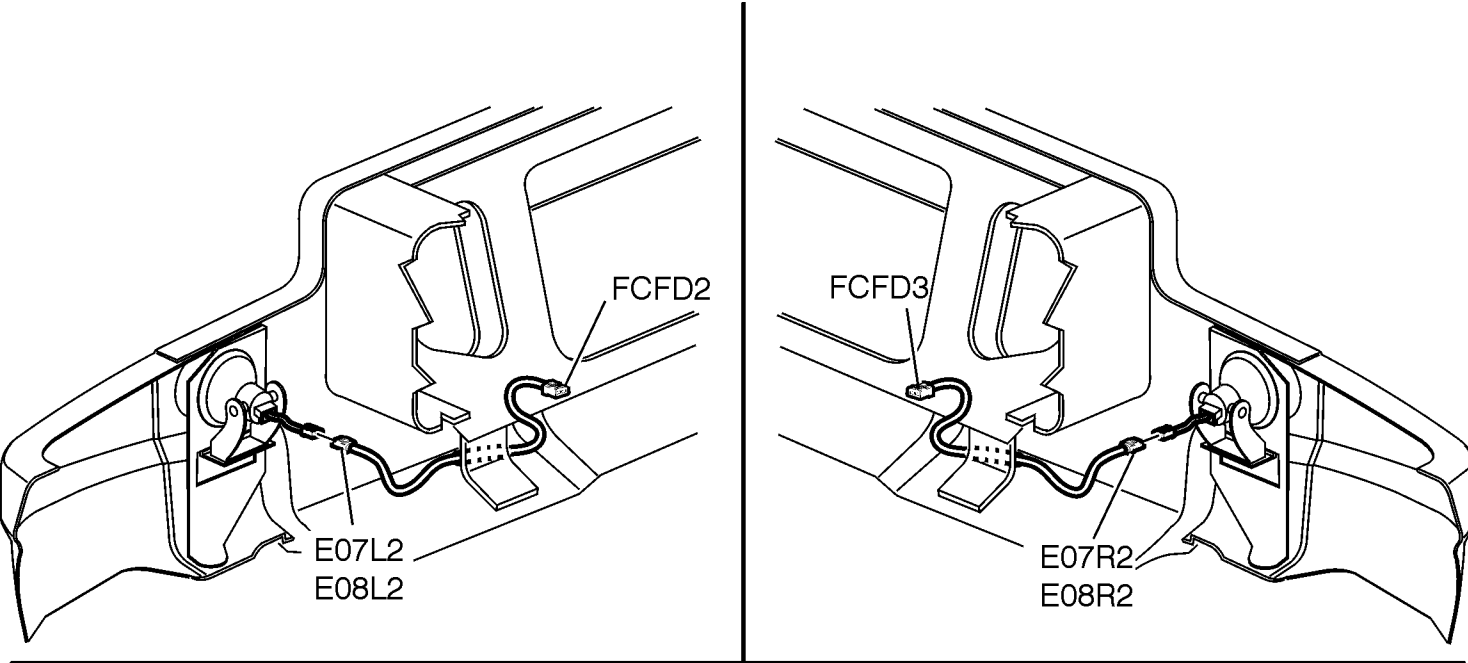
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Headlight Harness, VNL



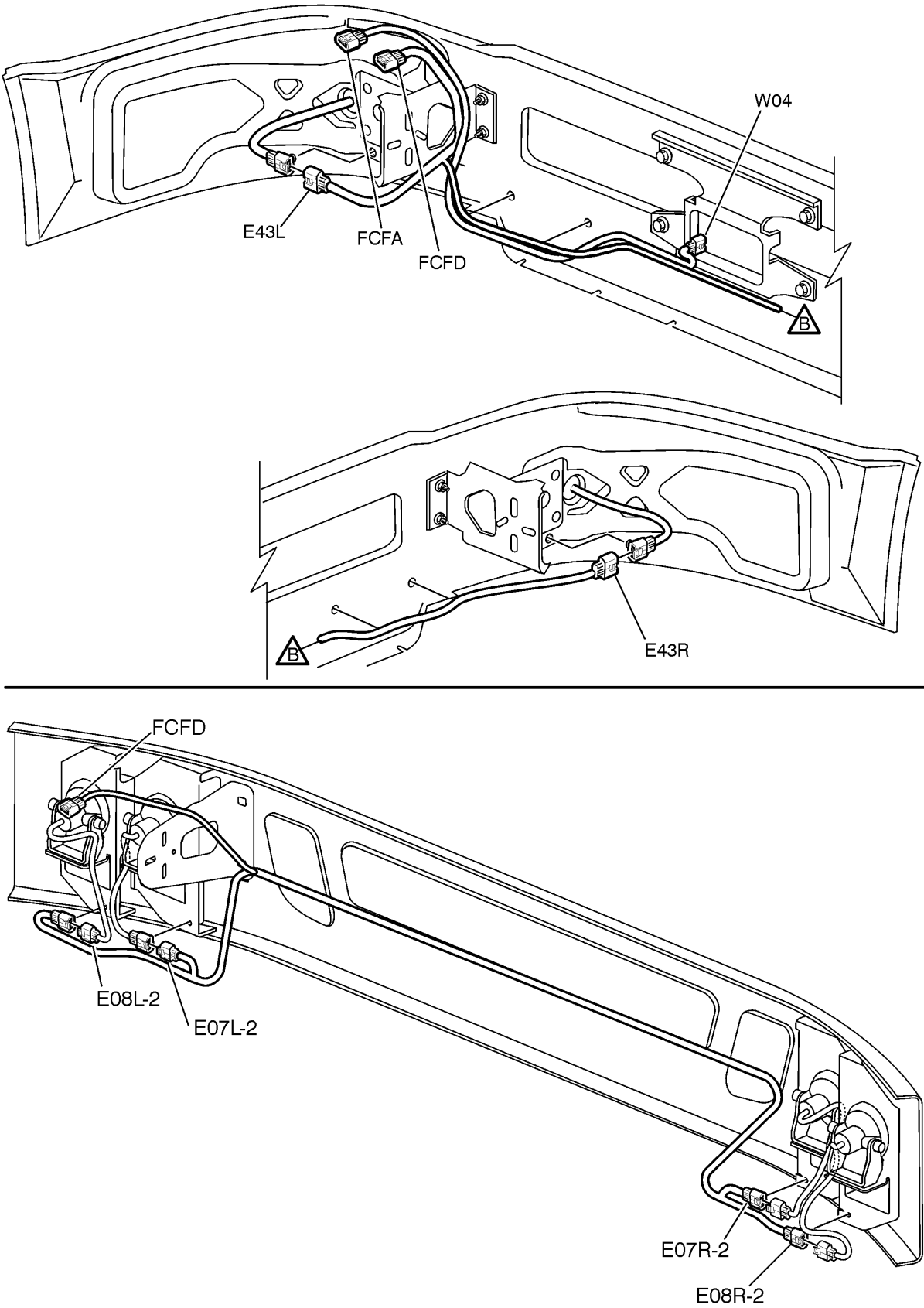
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Fog and Driving Lights, VHD



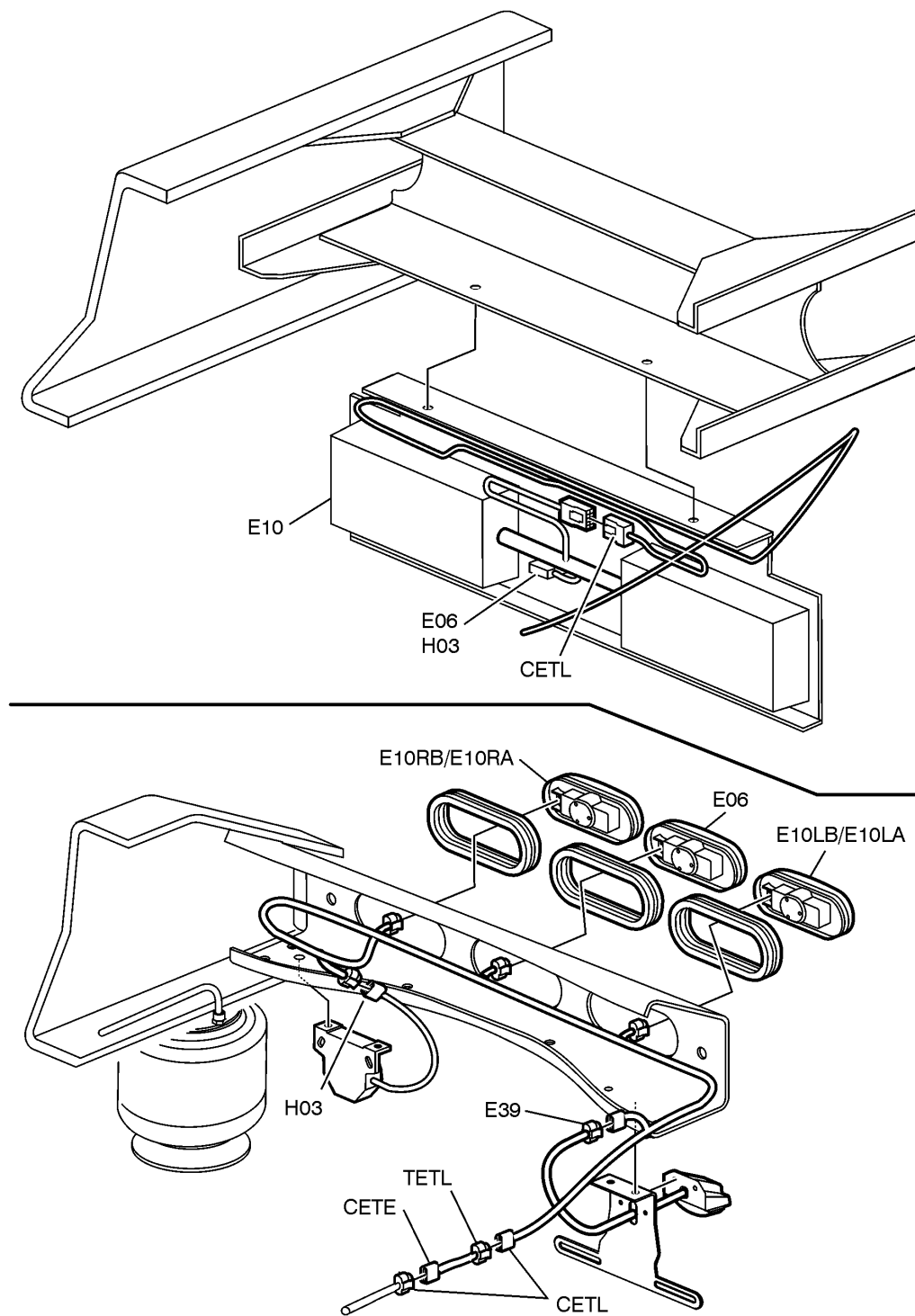
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Fog and Driving Lights, VNL and VNM

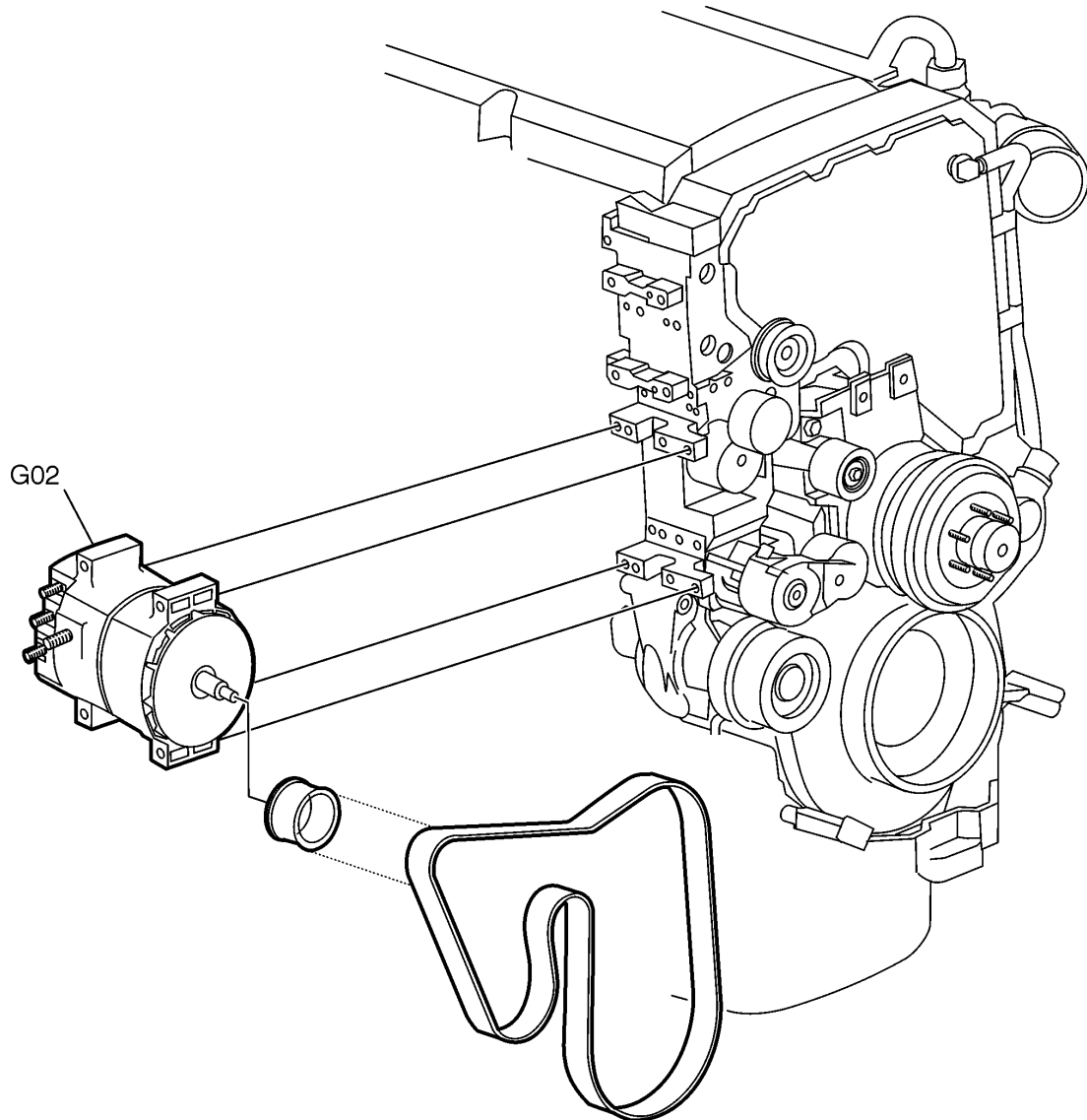


W3005933

Tail lights

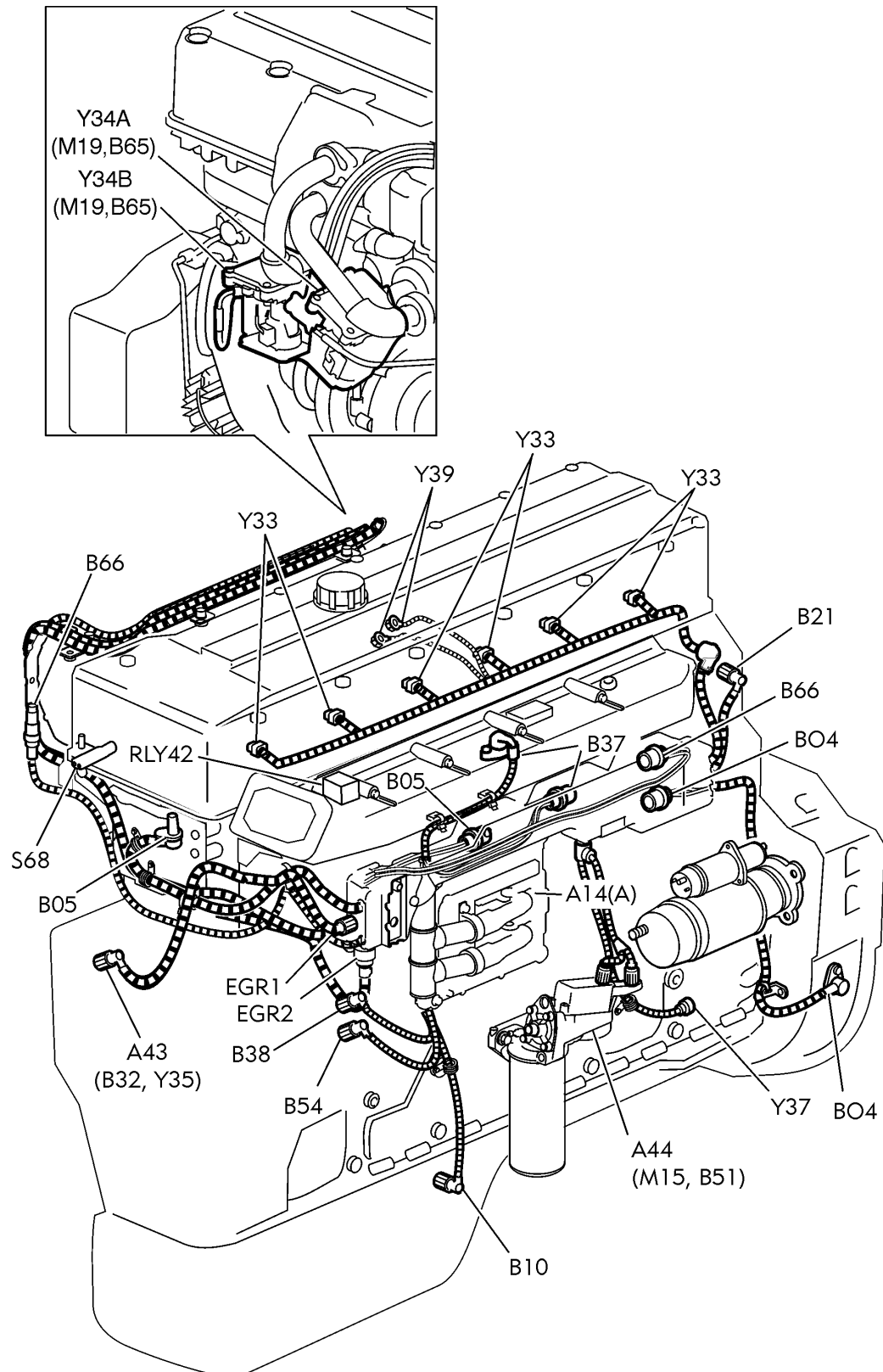


W3006897

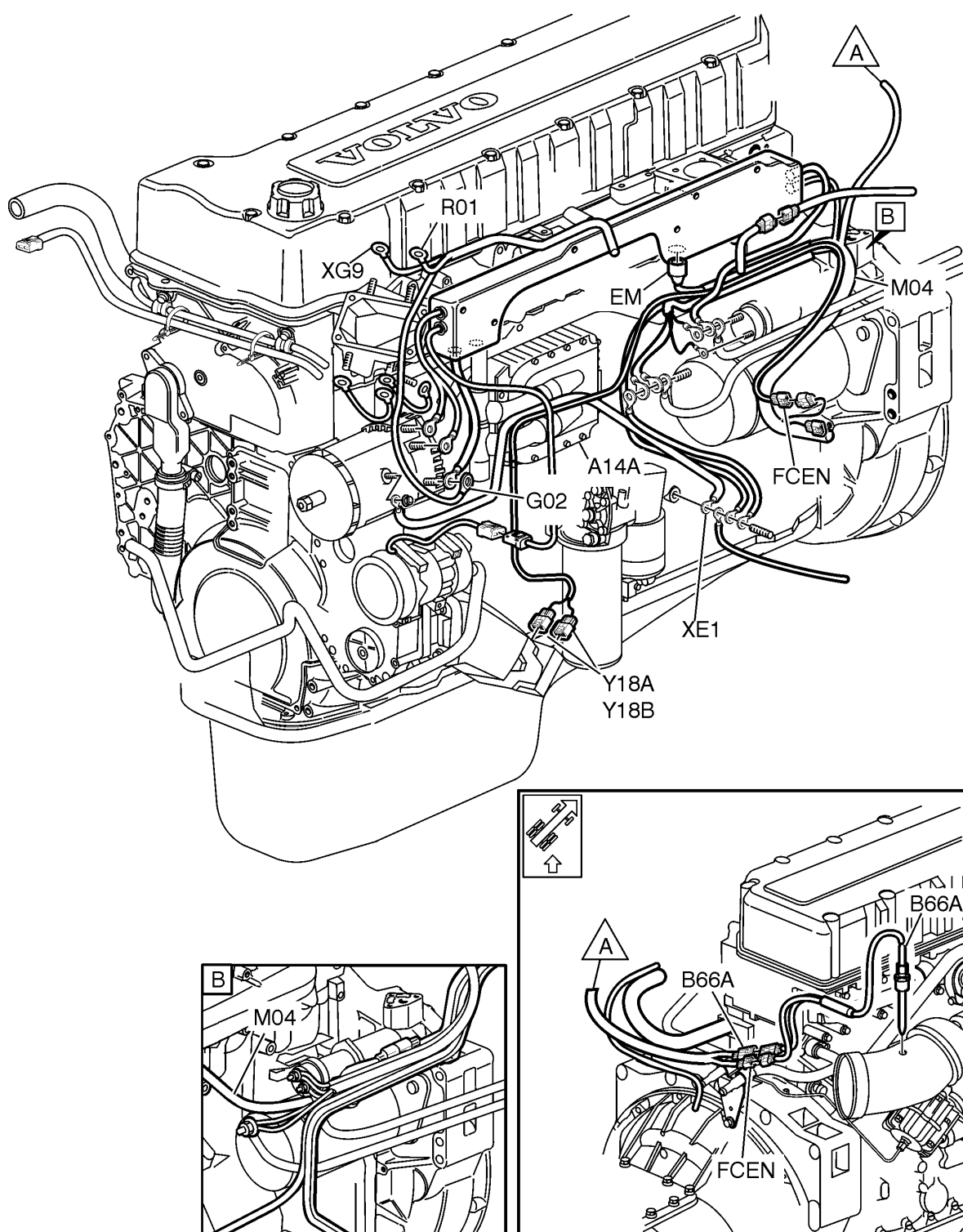
Alternator (typical view)

W3005908

D12D

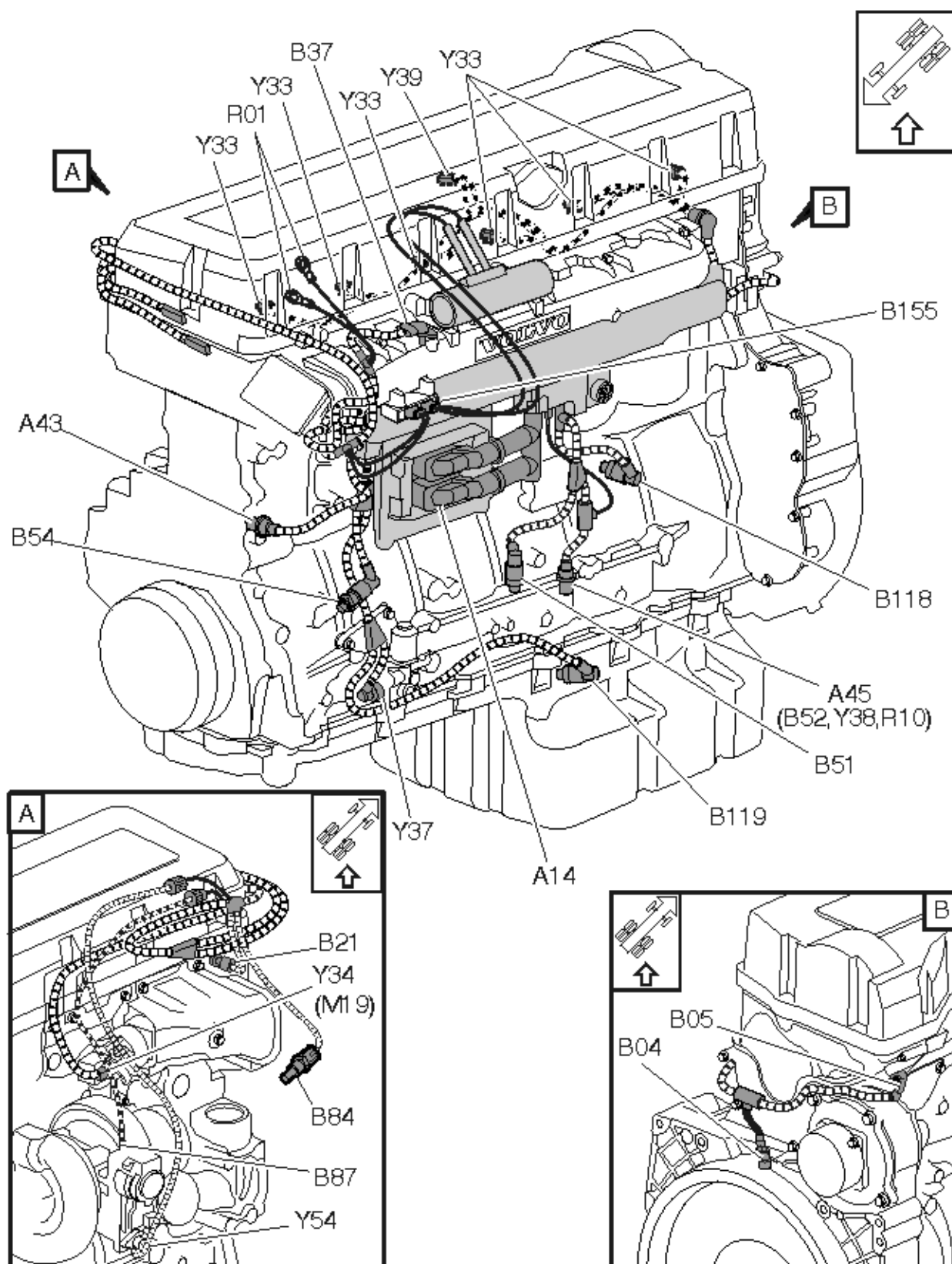


W3006510

D12D (Continued)

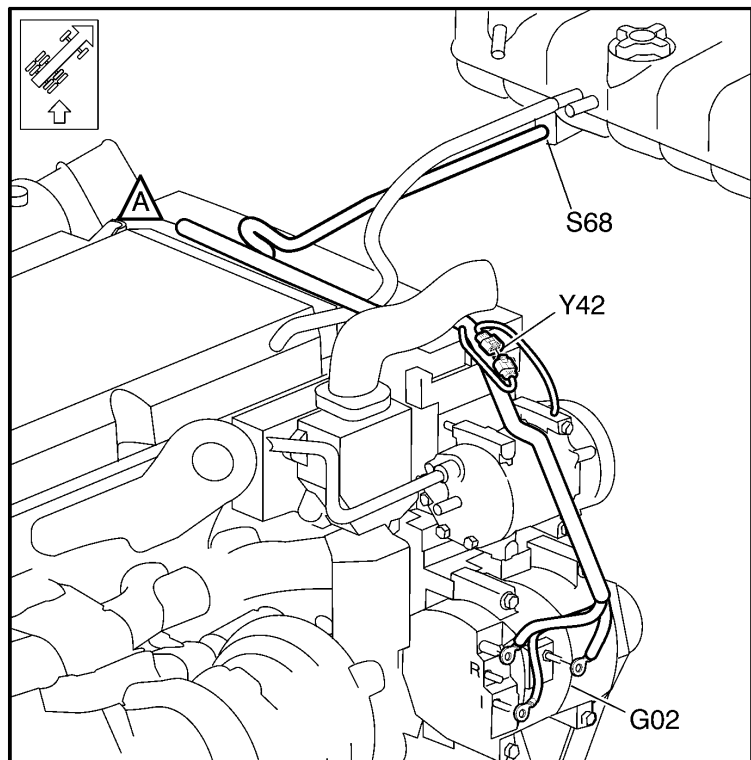
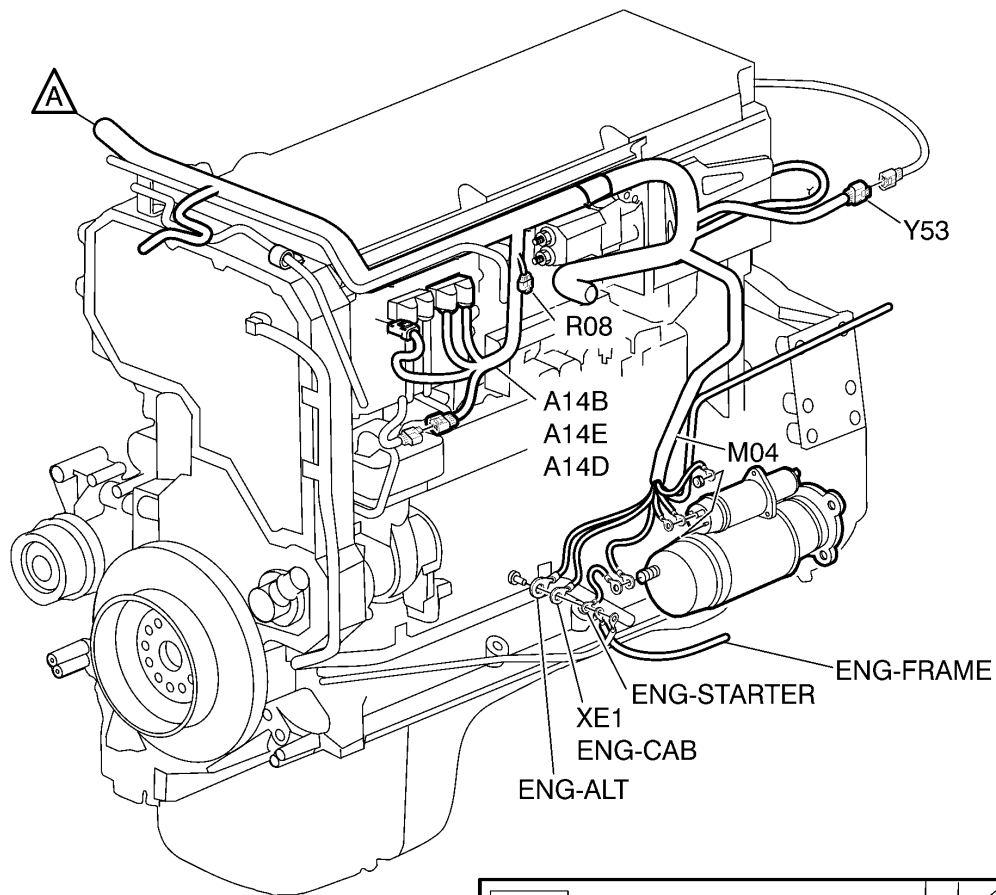
W3006513

D16D

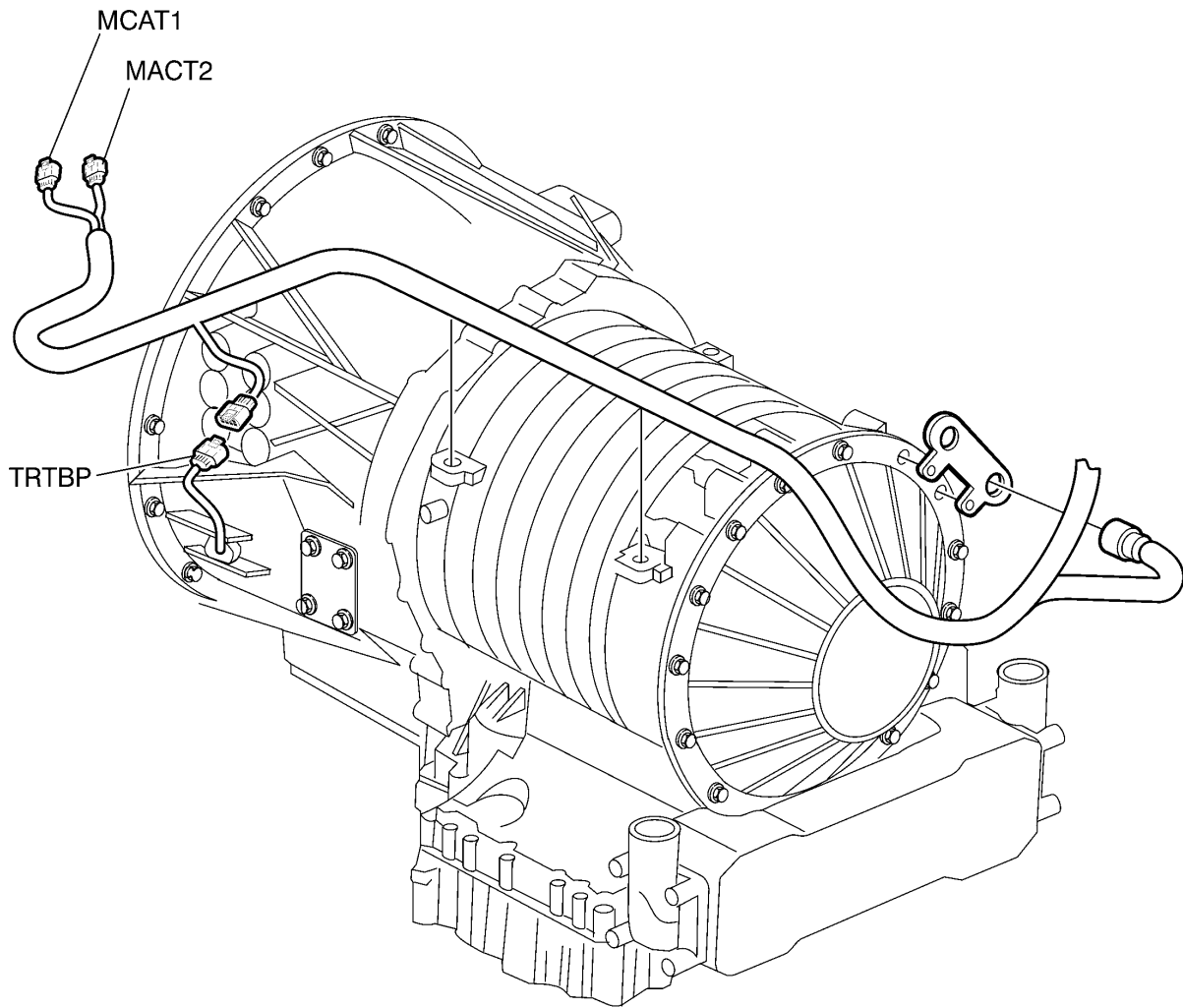


W3006882

Engine, Cummins ISX

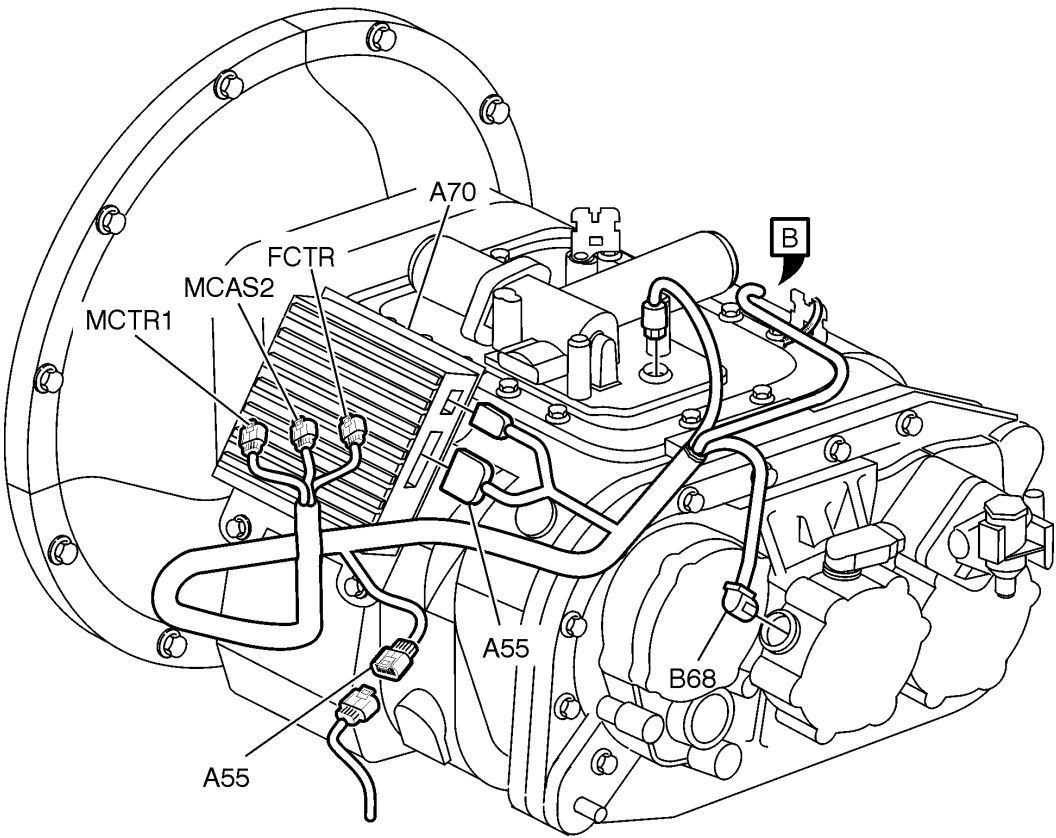
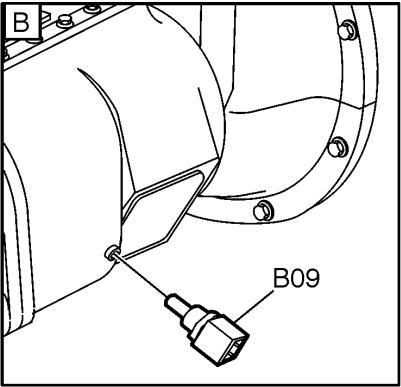


W3007181

Allison HD Transmission, VHD (BBOX-LF)

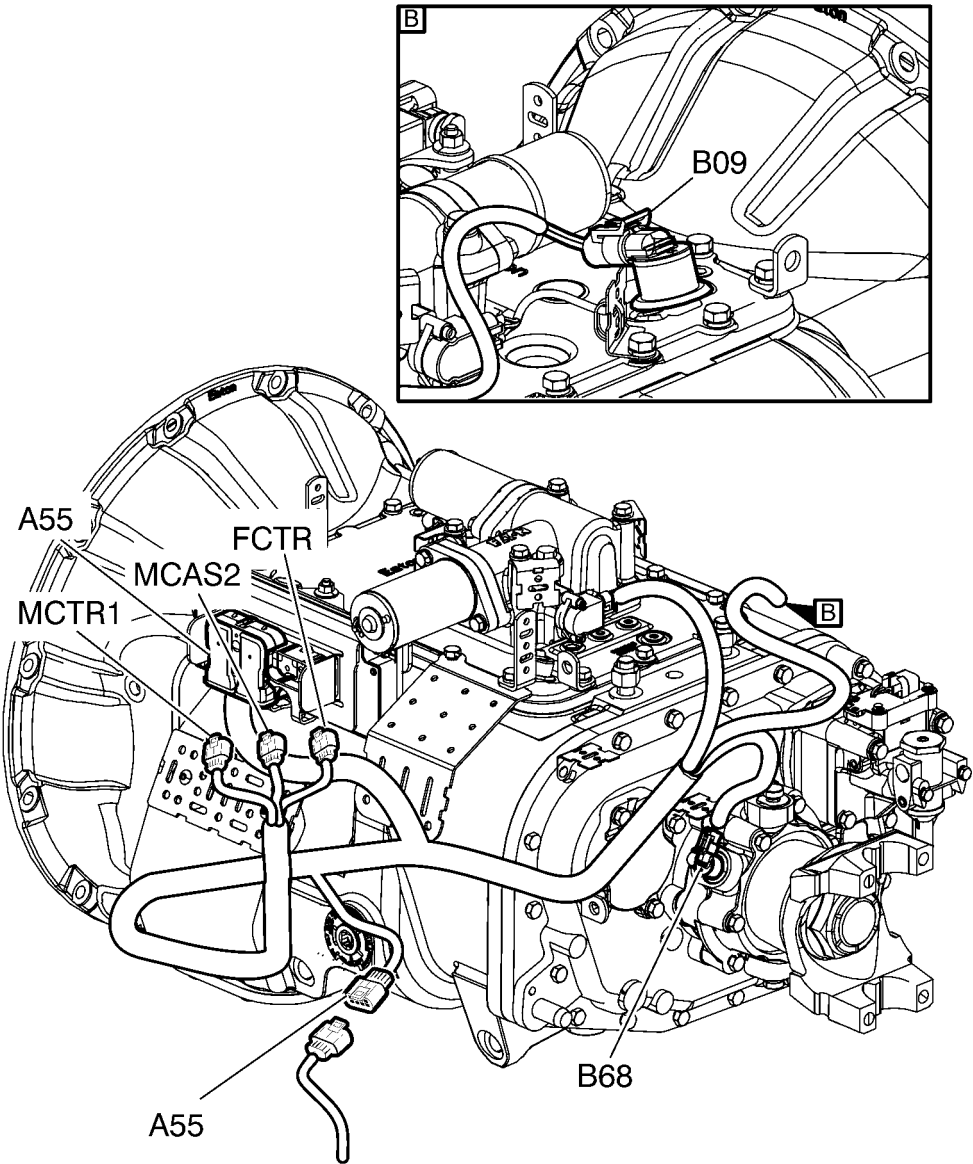
W3007186

Eaton Autoshift II Transmission



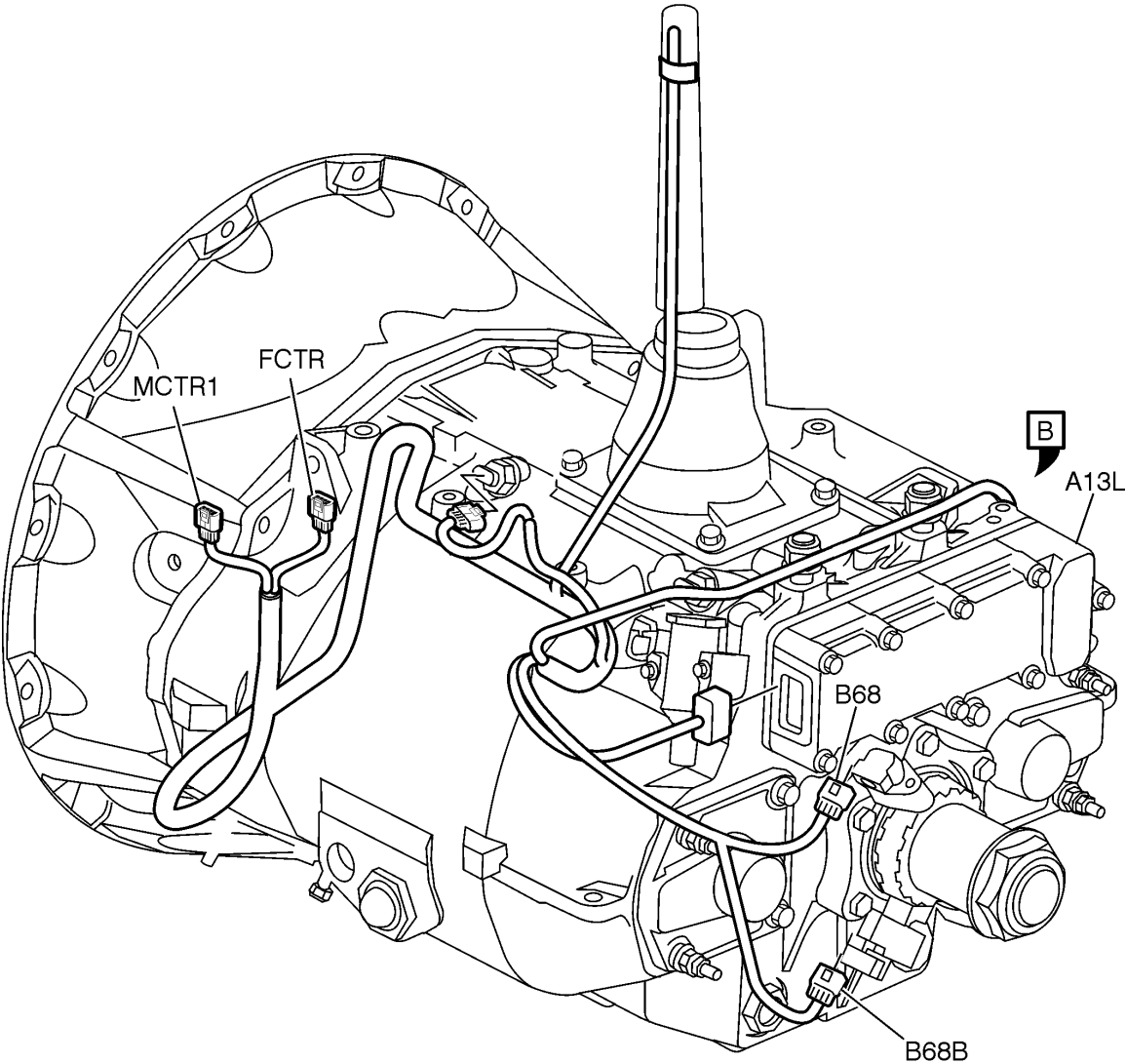
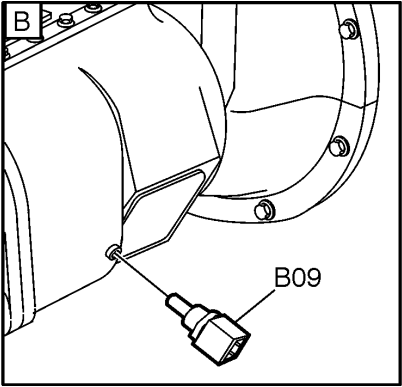
W3005890

Eaton Autoshift III Transmission



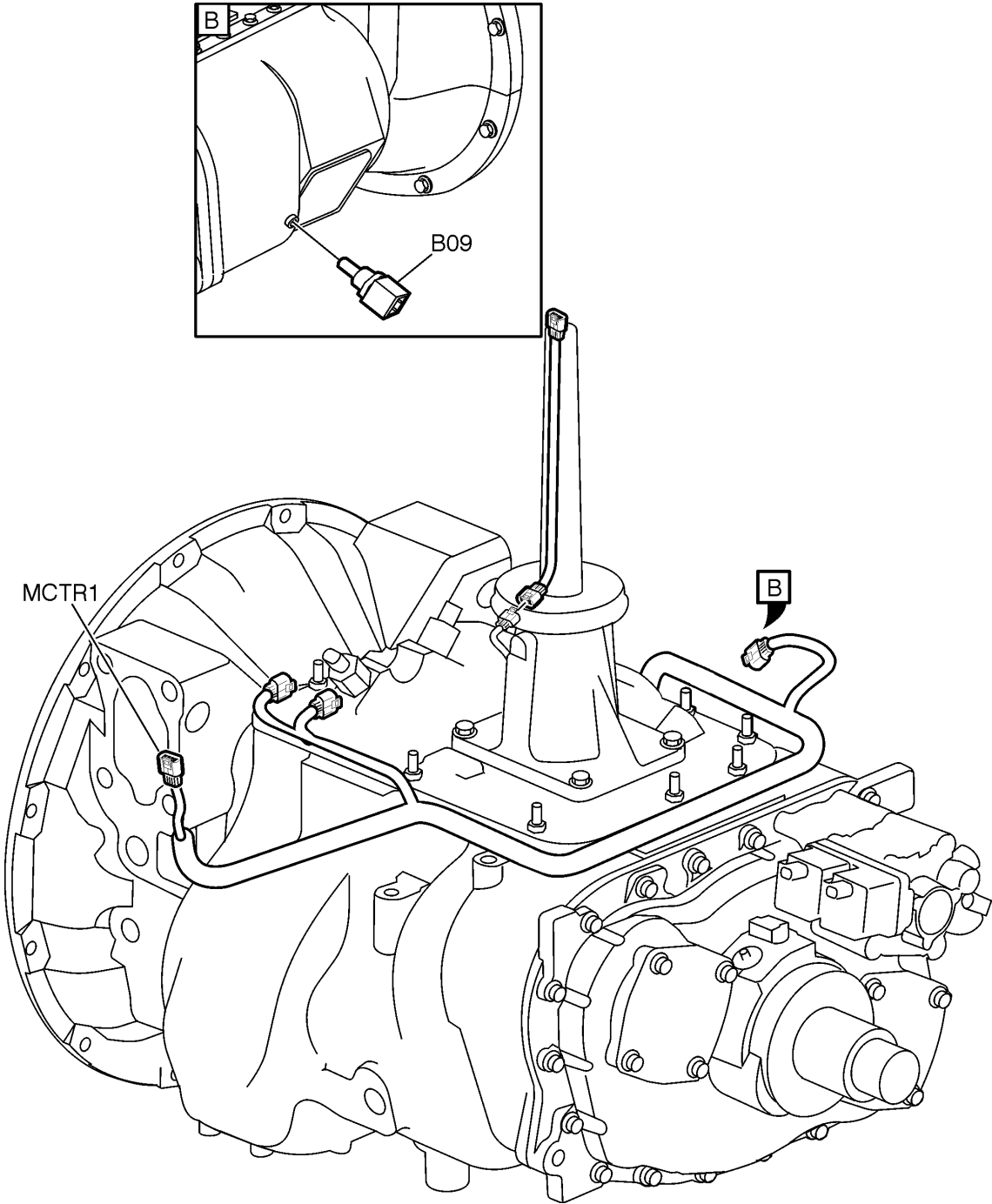
W3007171

Eaton Lightning/Eaton Ultrashift II Transmission



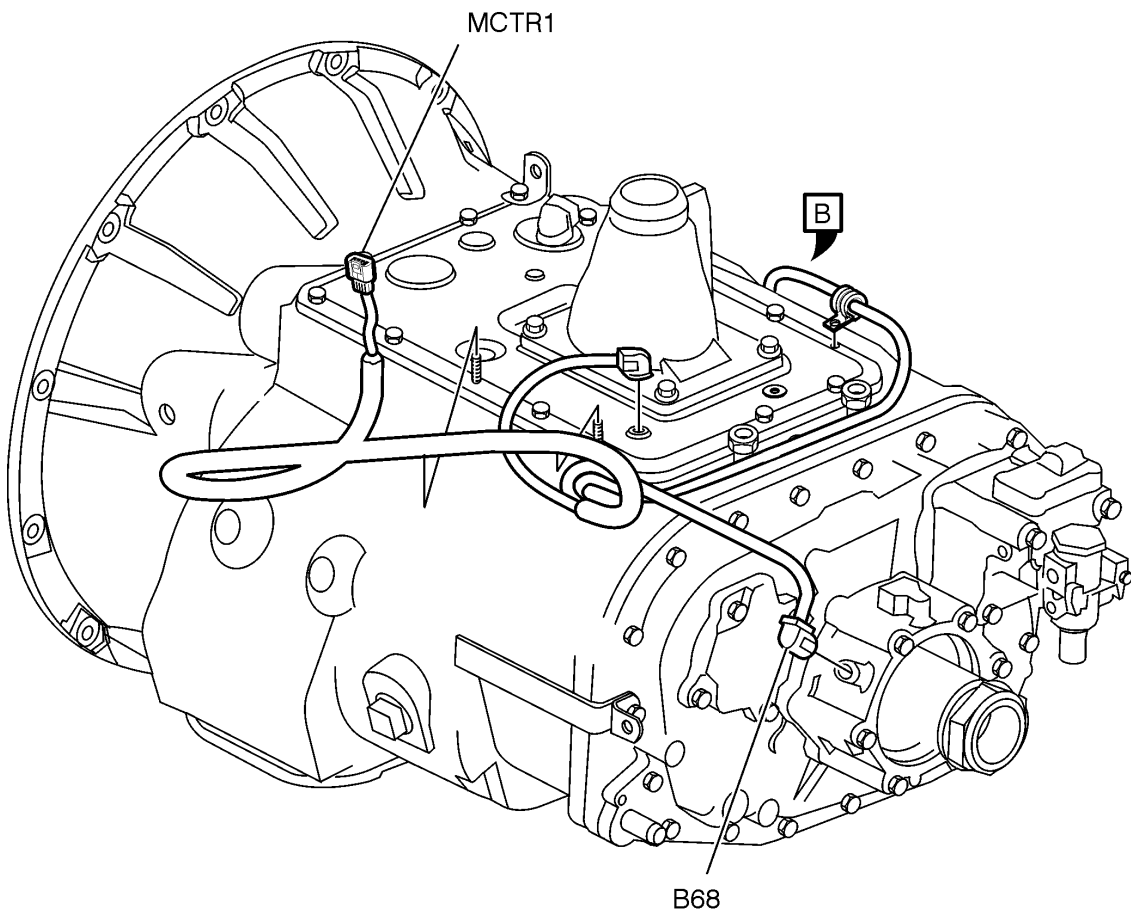
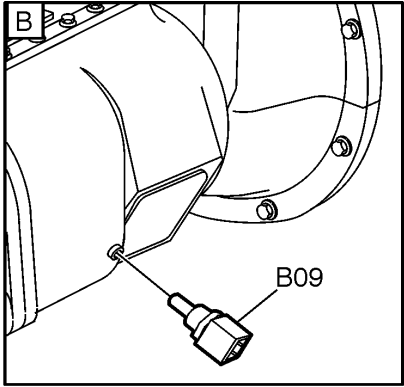
W3005891

Meritor Transmission



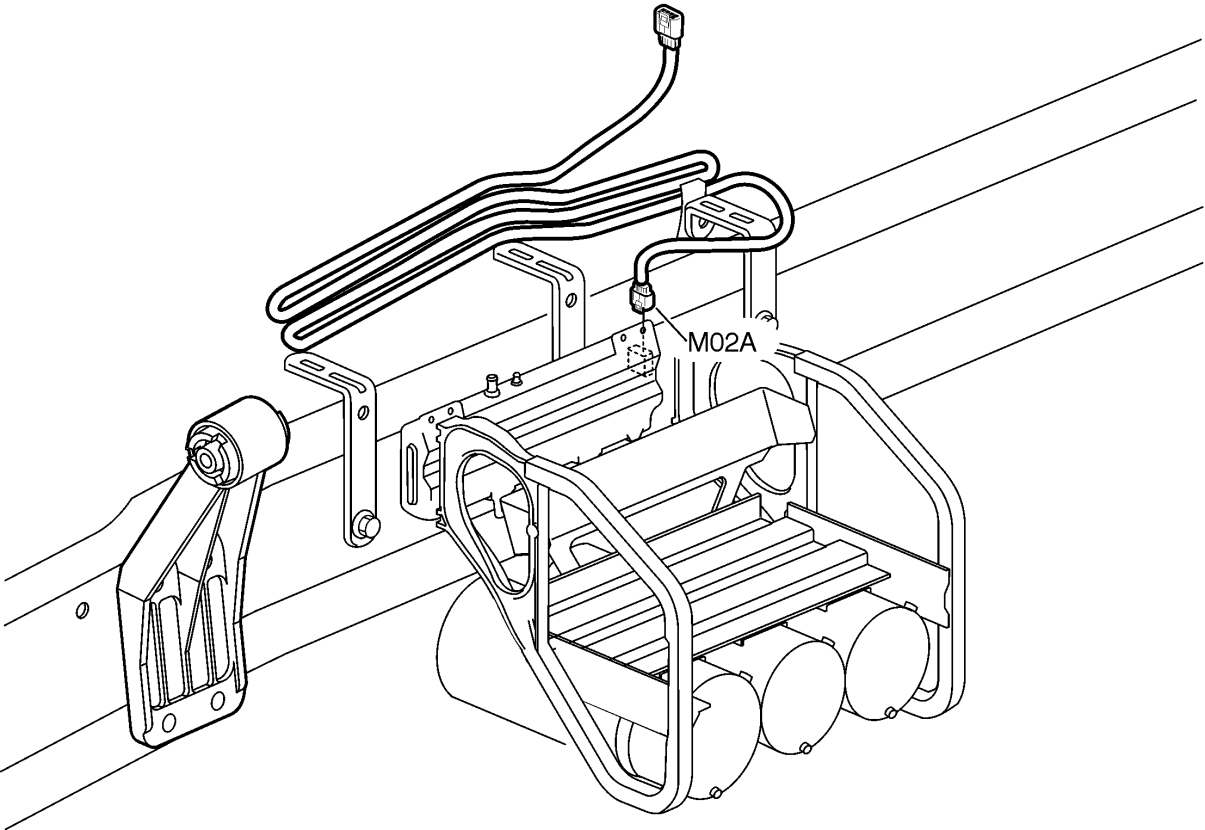
W3005892

Eaton Fuller Transmission



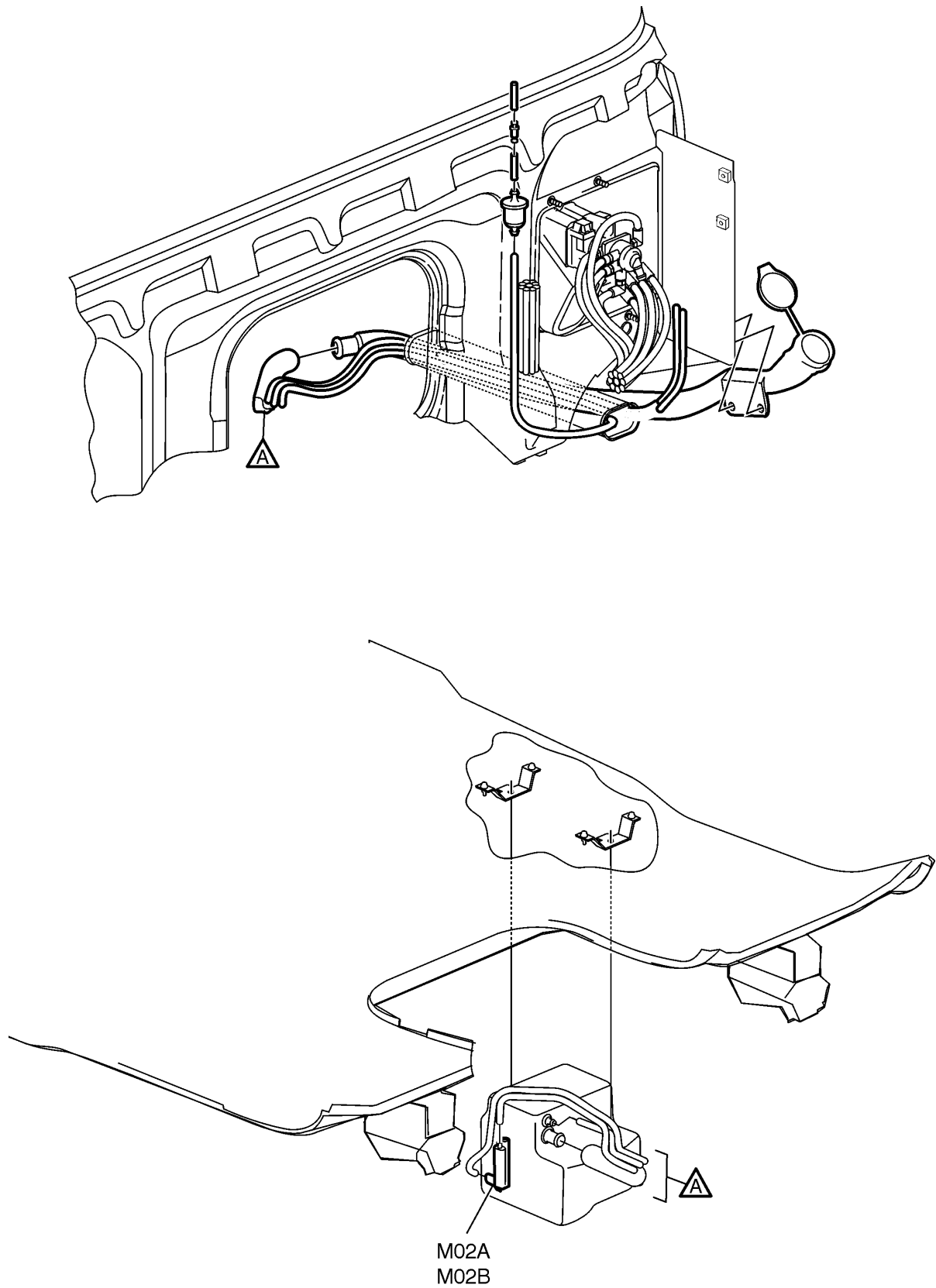
W3005893

Washer Reservoir, VN



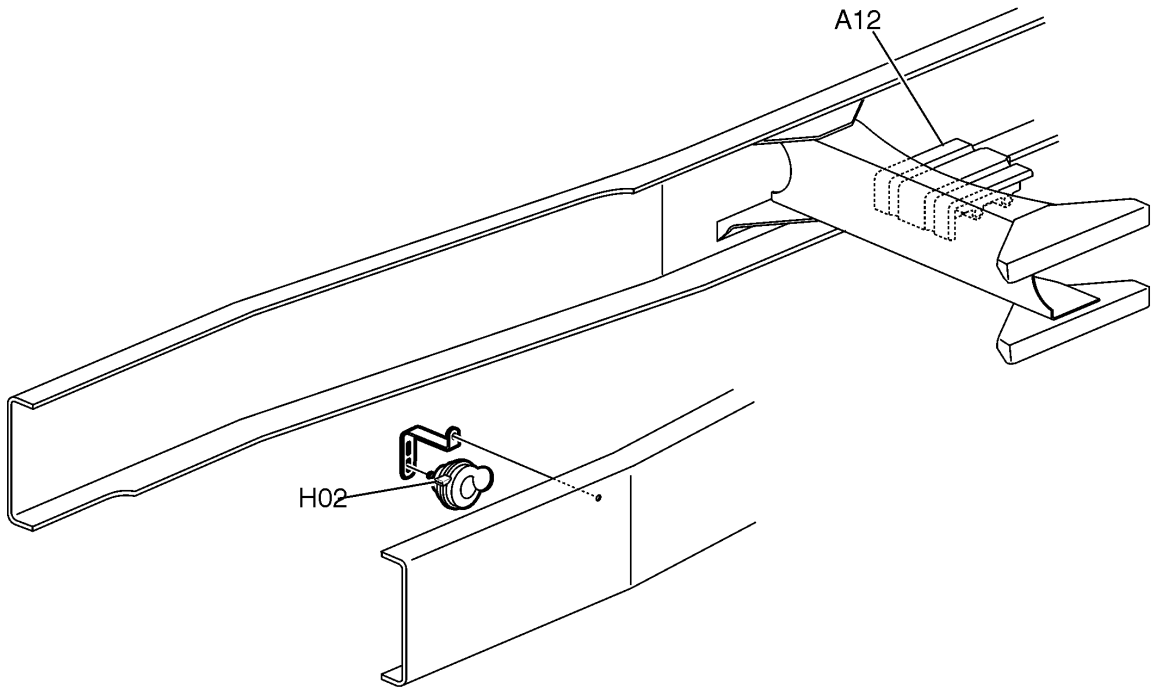
W3006898

Washer Reservoir, VHD



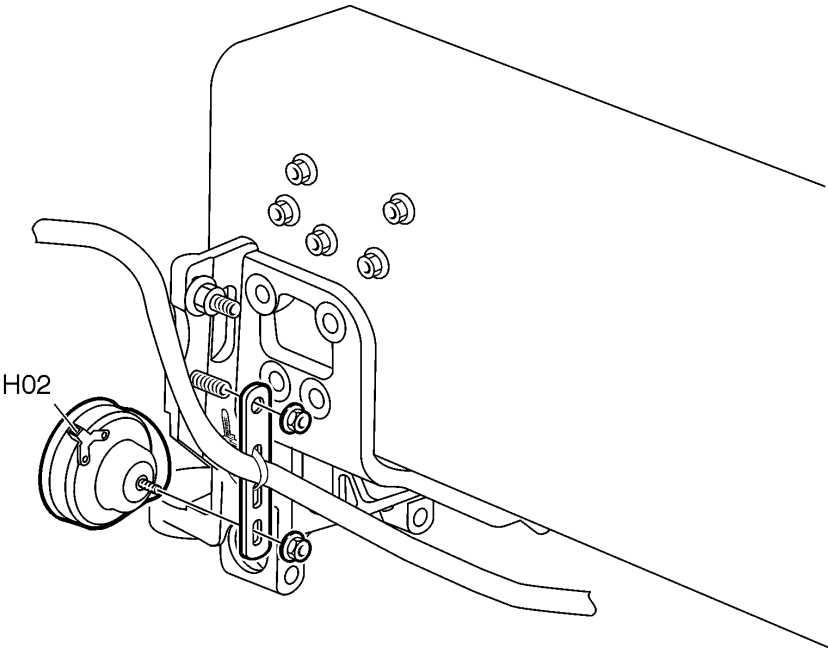
W3005910

Horn

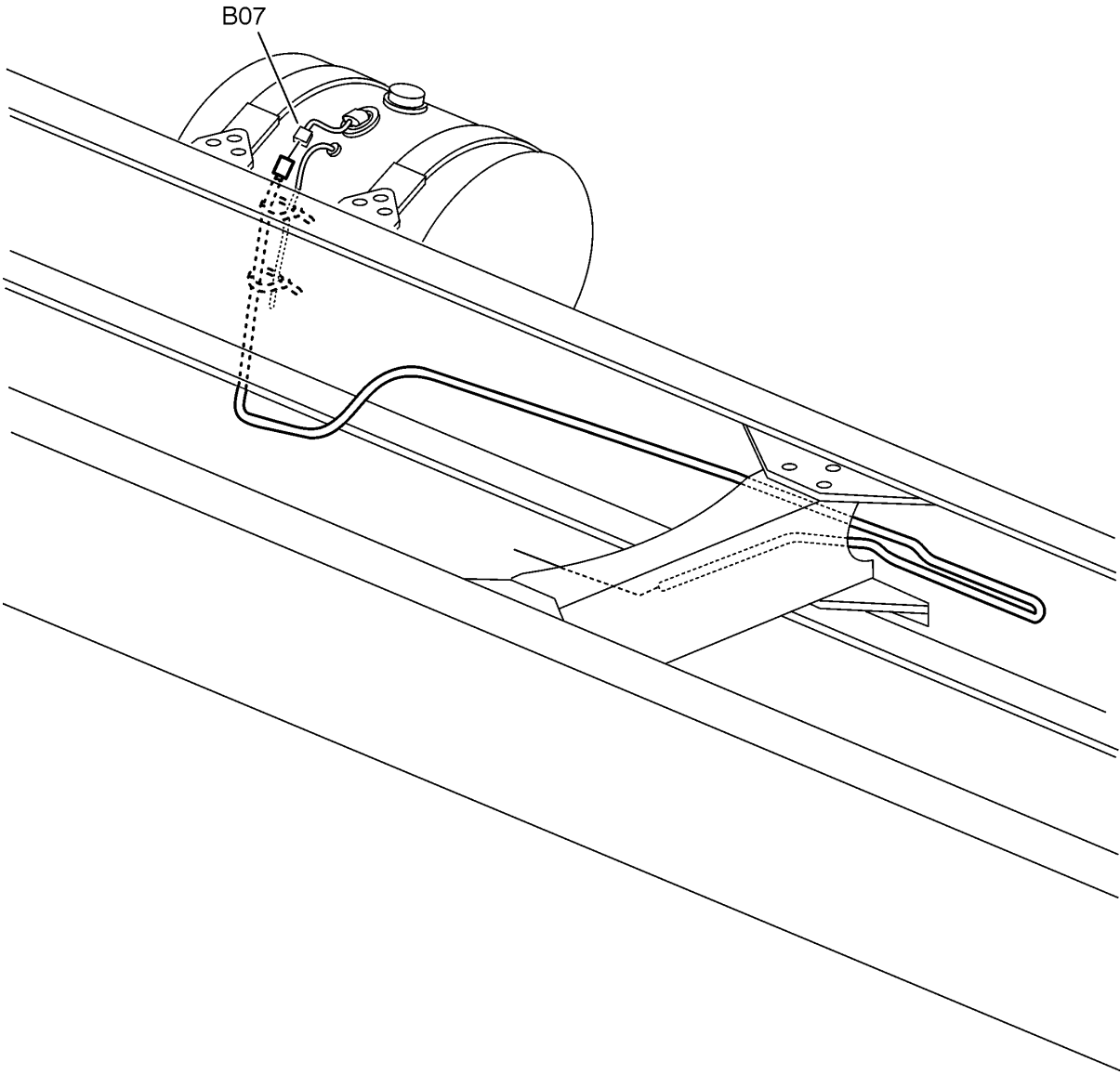
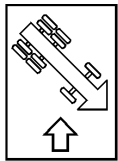


VN

VHD

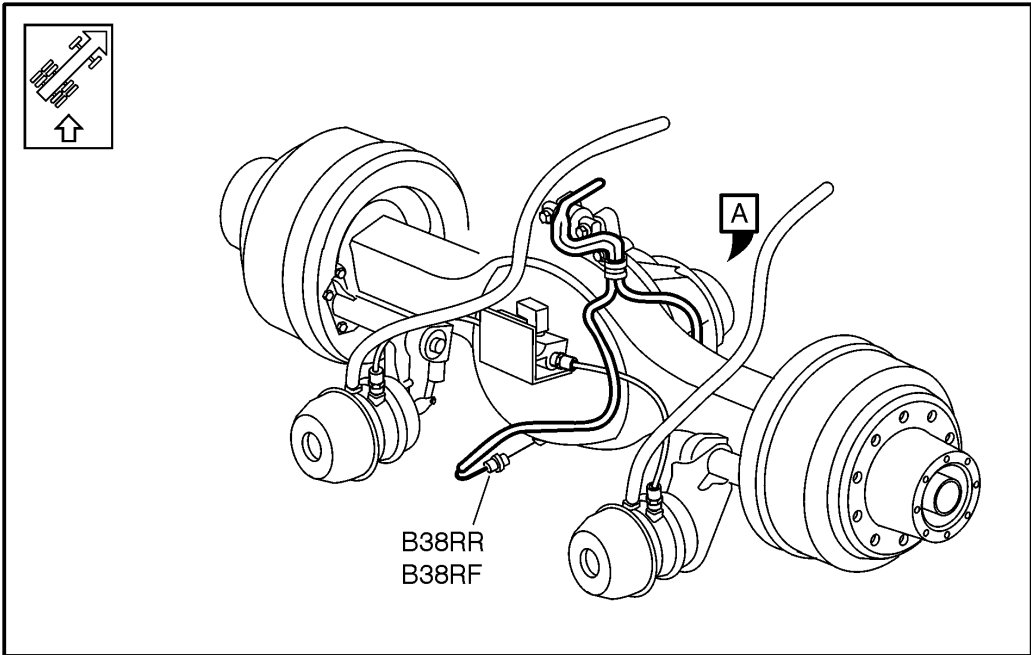
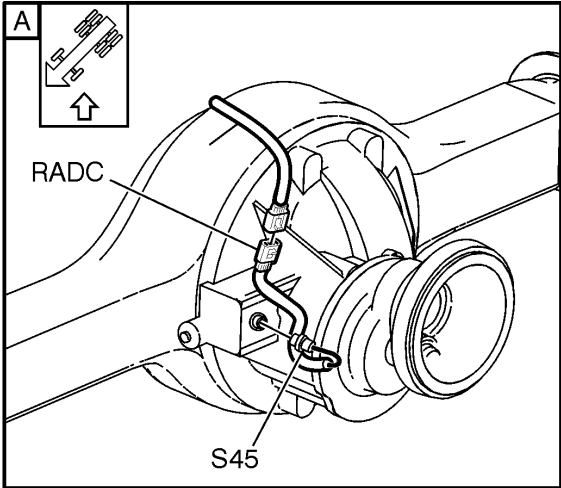


Fuel Level Sensor

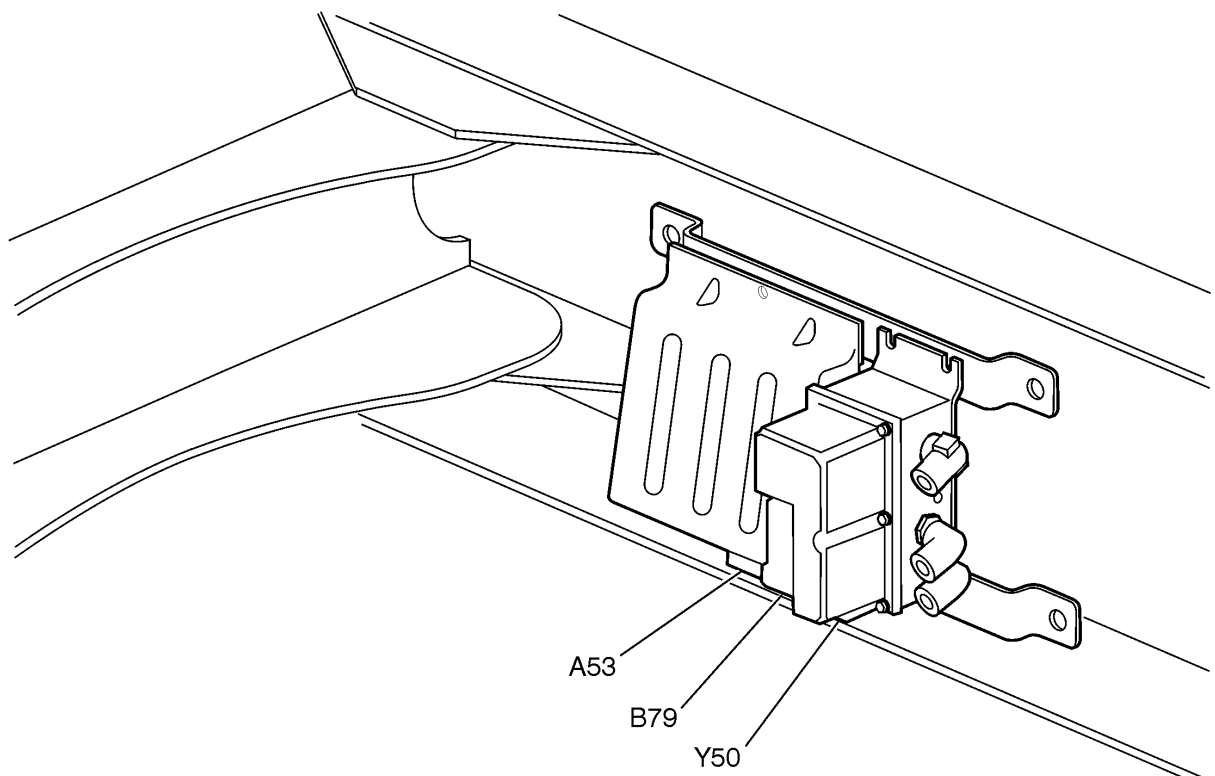


W3005909

Differential Lock/Axle Temperature

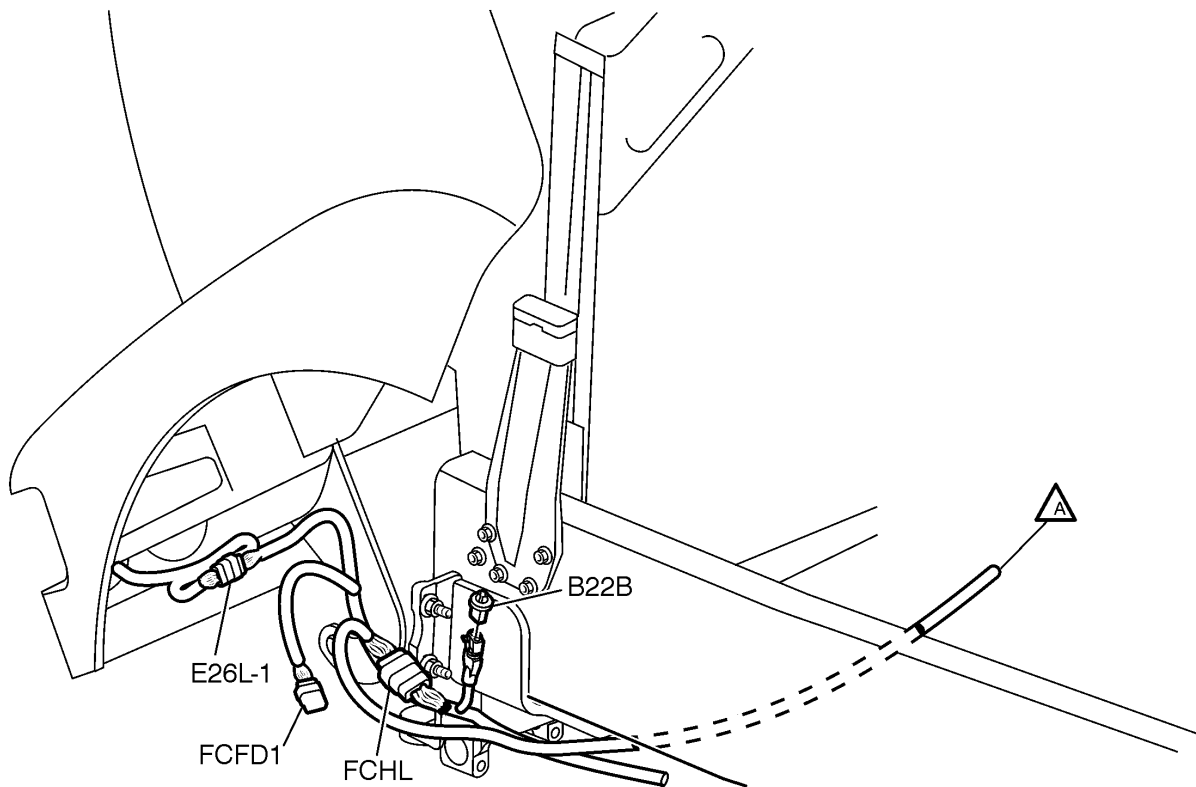
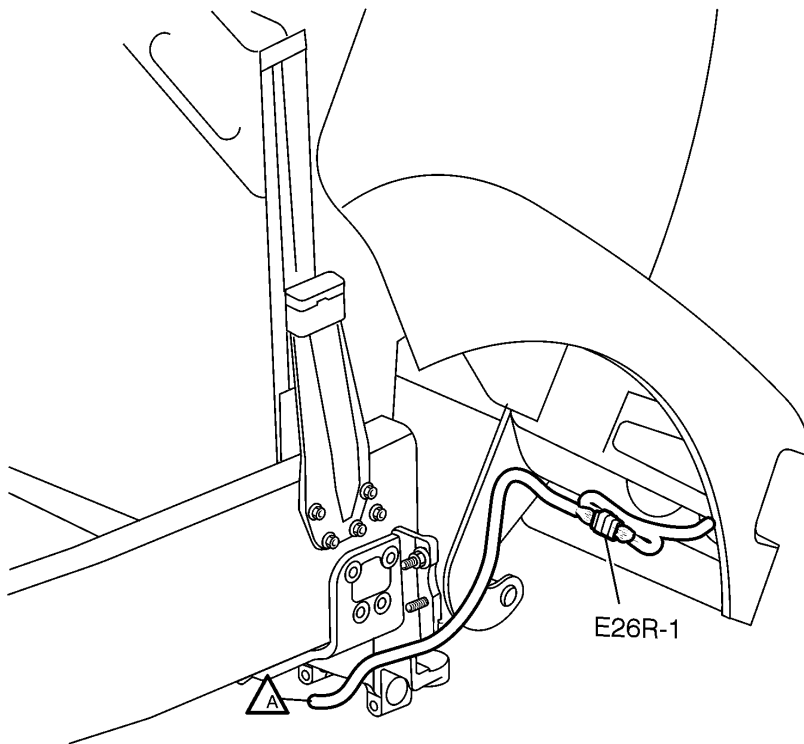


Central Tire Inflation System



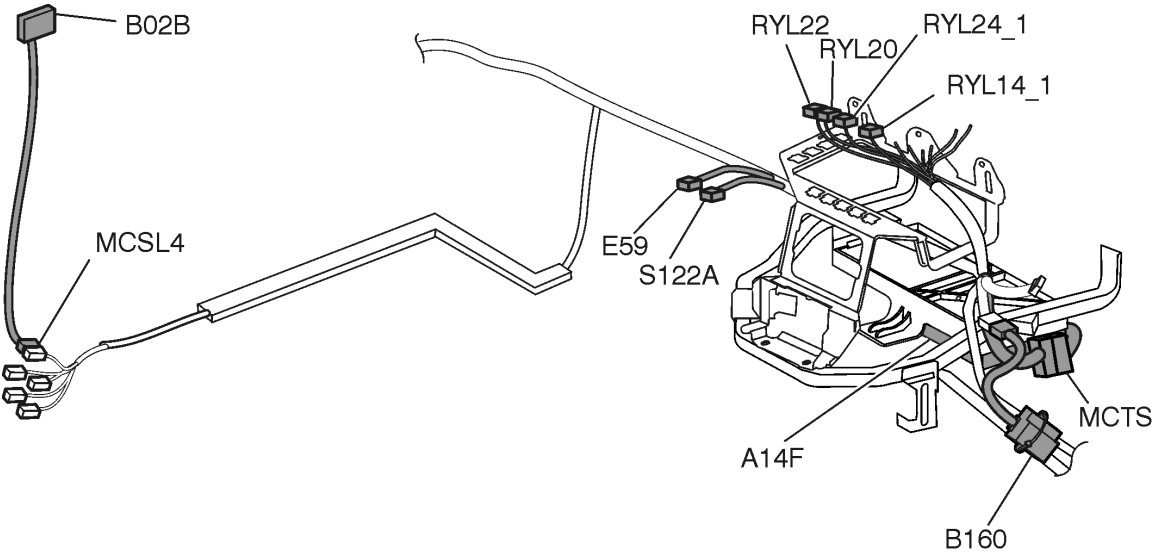
W3005930

Ambient Temperature Sensor



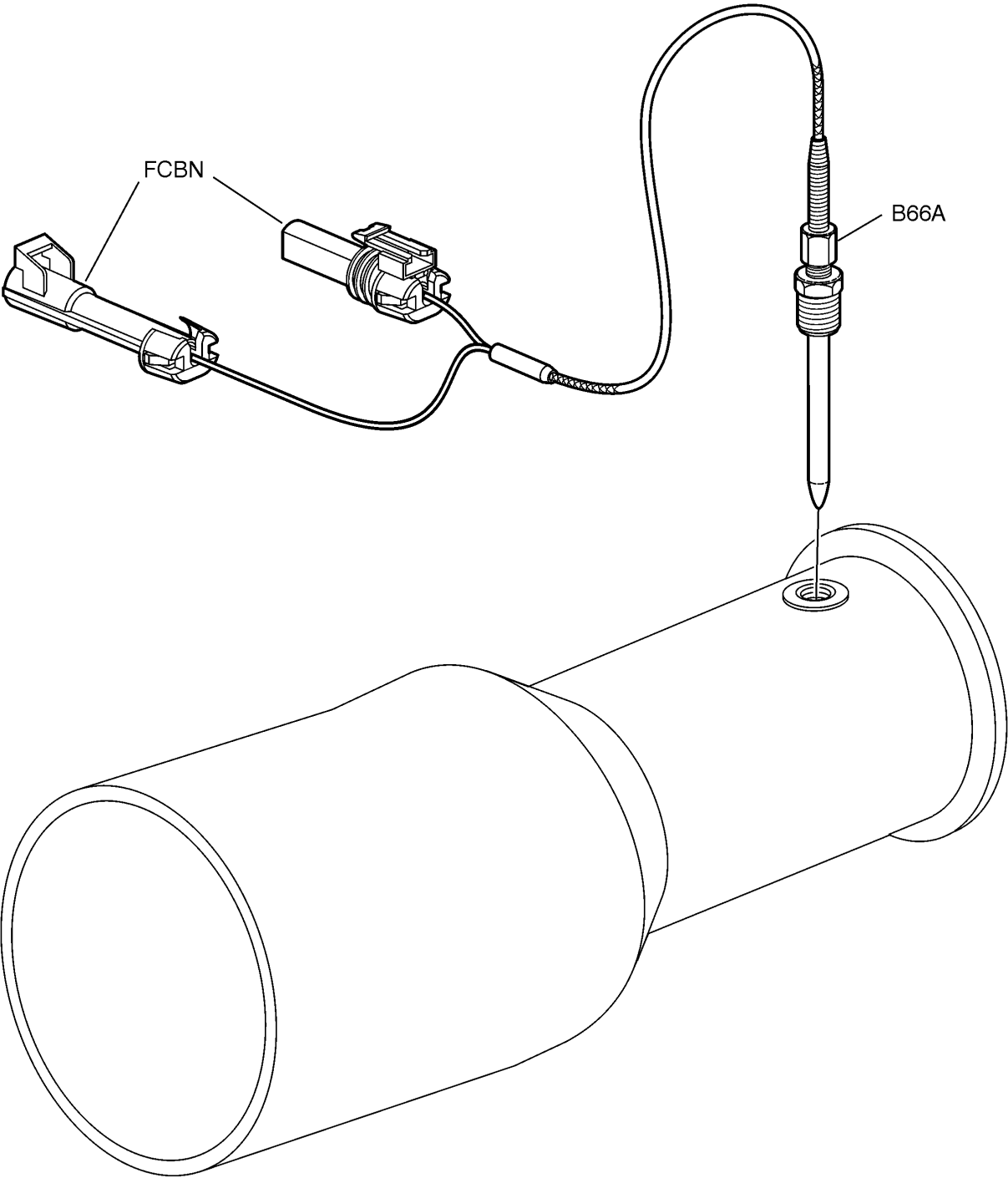
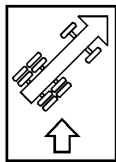
W3006899

Temp A Start

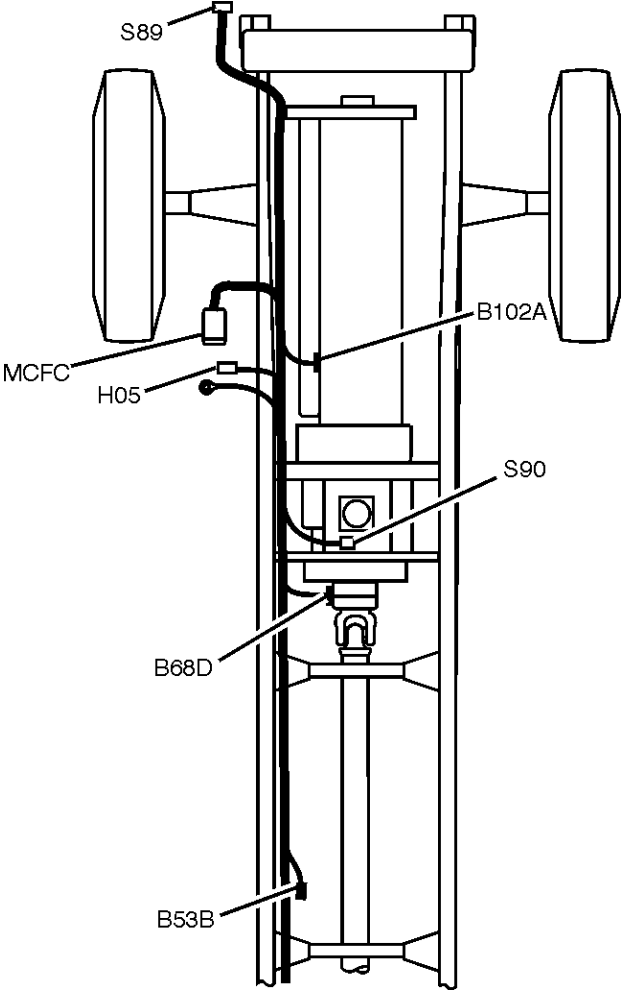


W3006906

Pyrometer Sensor

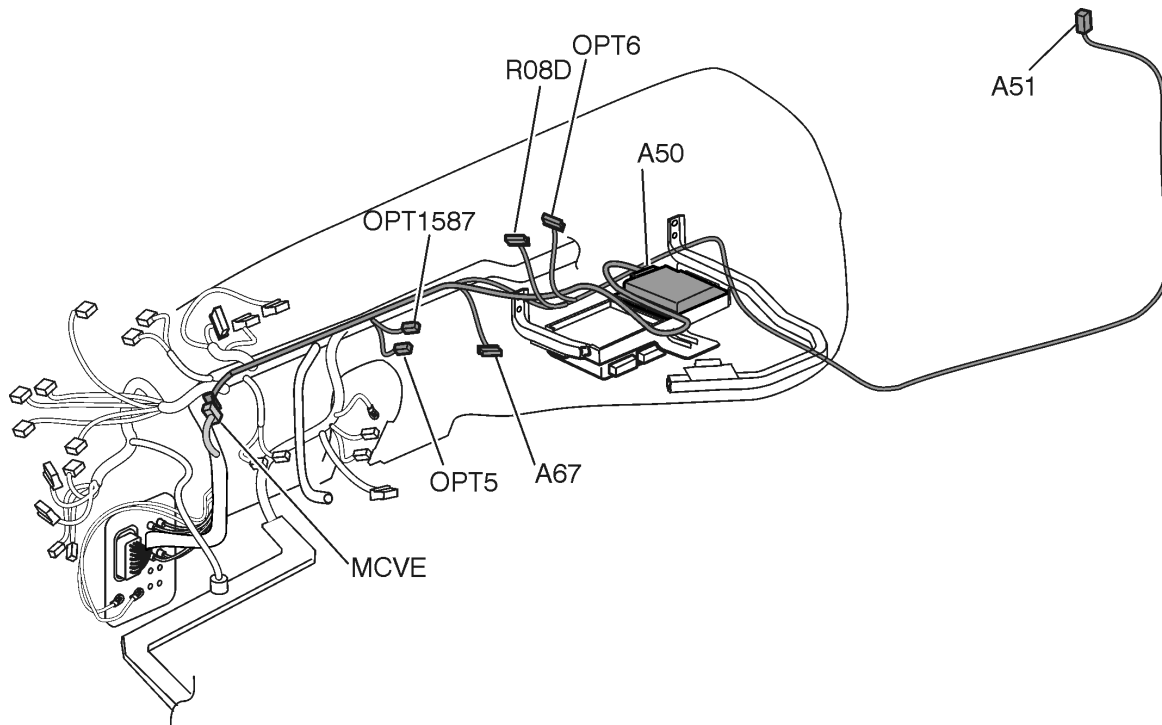


Chassis Harness



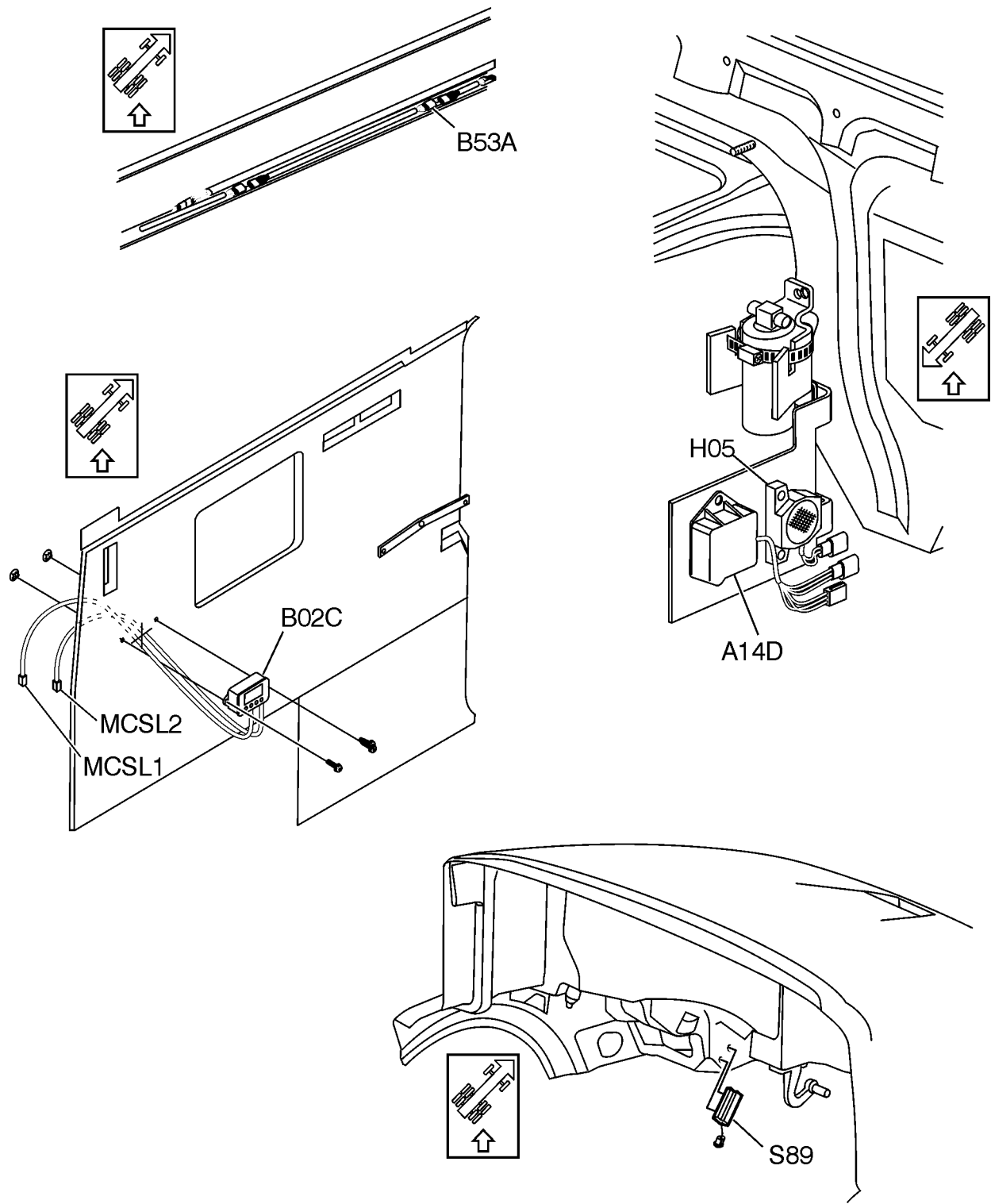
W3006903

VORAD Antennas



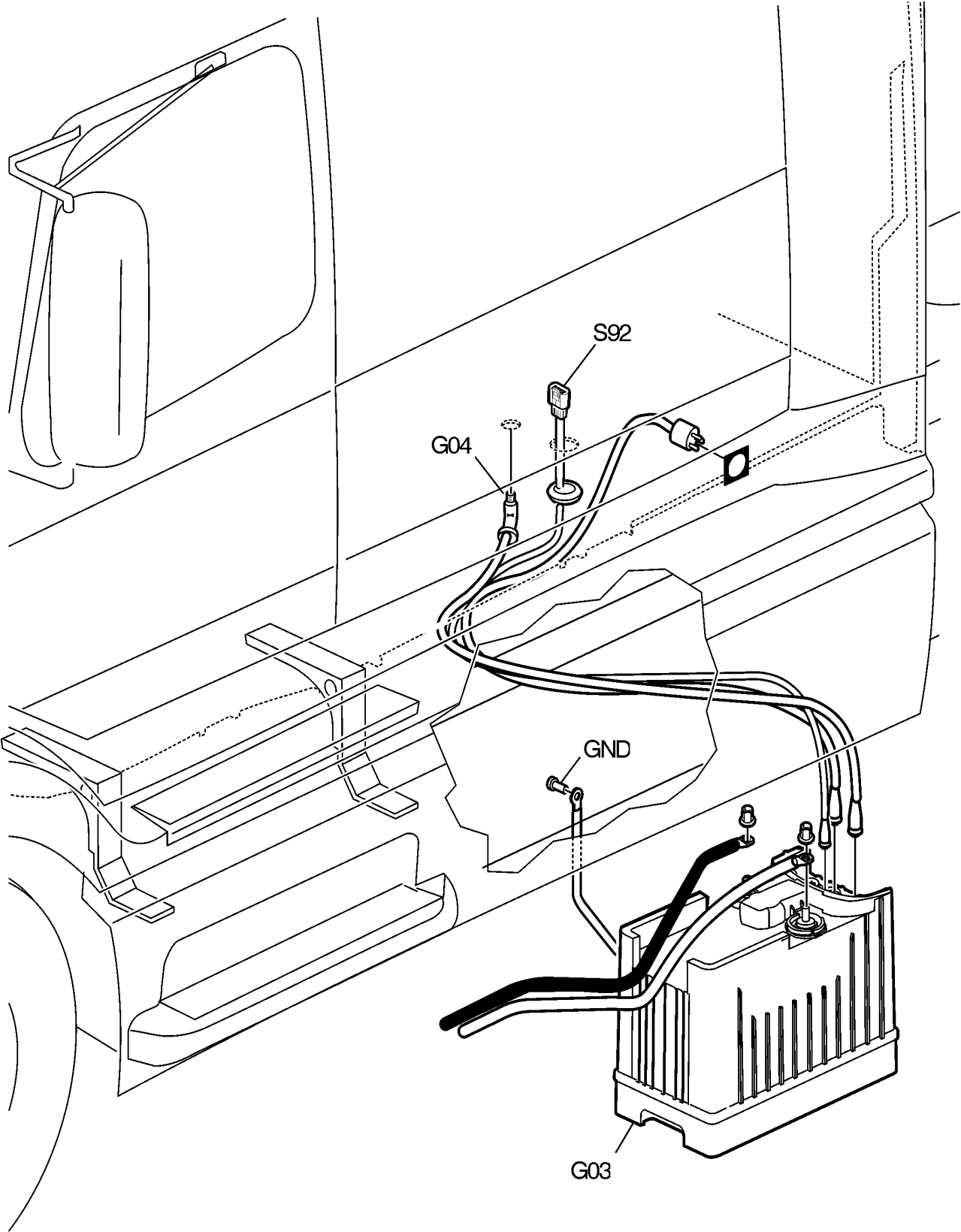
W3006907

ICON



W3006733

Inverter



W2004614

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