

WABCO



WABCO TEBS-E Generic Schematic Diagrams

WABCO TEBS-E Generic Schematic Diagrams - Nov 2018



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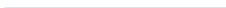
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Please Note:

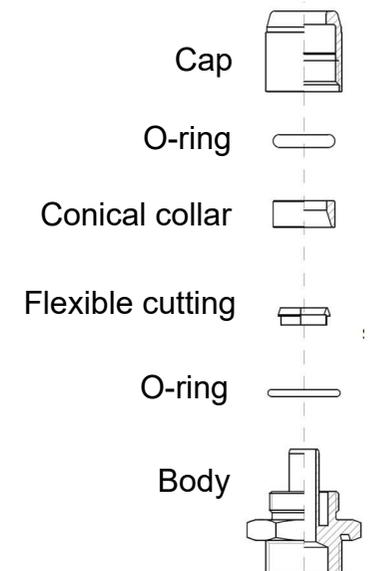
Information and schematic diagrams in this book are of a generic nature, please get in contact with your local Brake certifier for any additional information or system drawings. For all new installations and EBS retrofits, the vehicle will need to be certified to the New Zealand Heavy Vehicle Brake Rule.

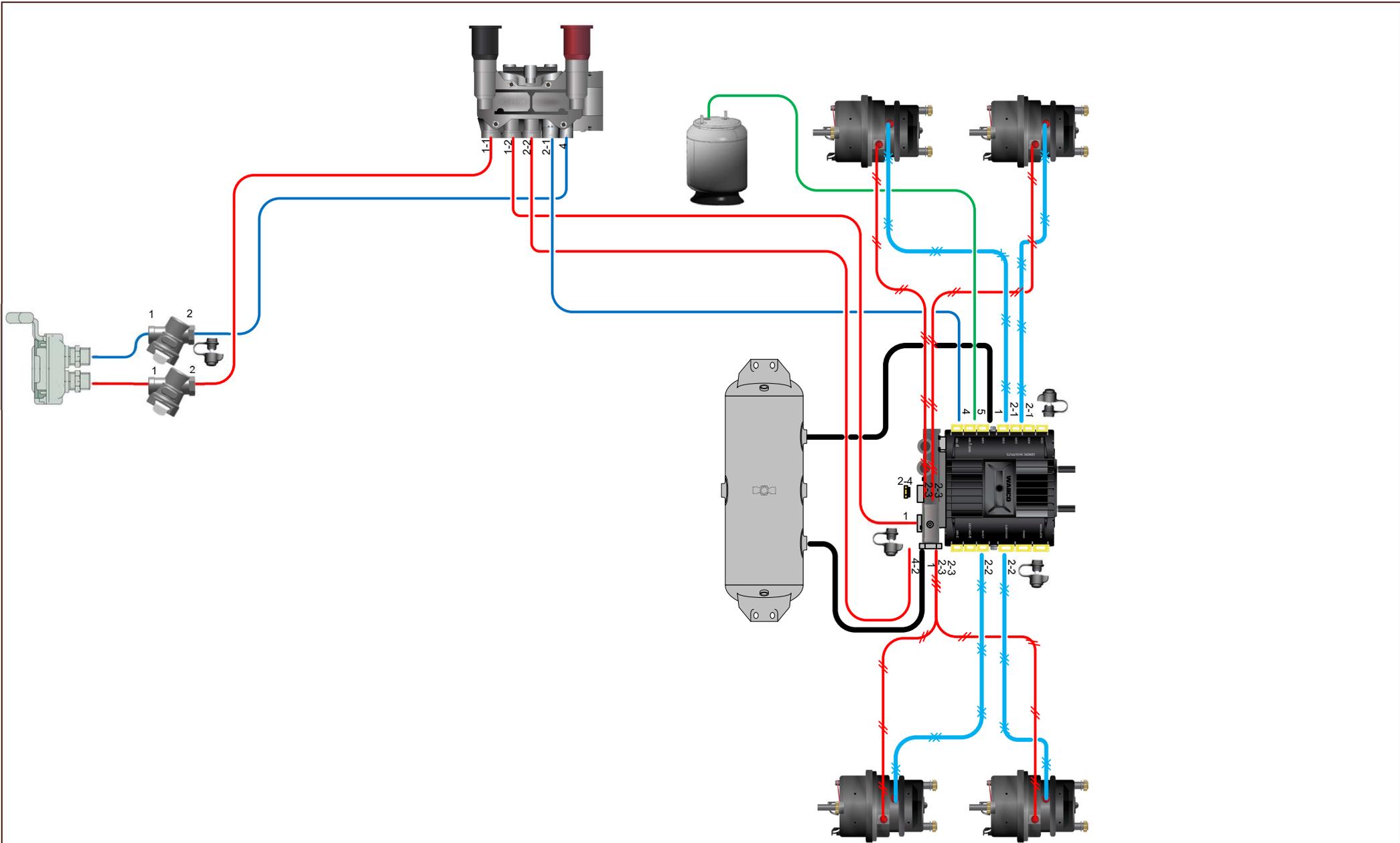
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Piping Information

-  8mm / 3/8" red nylon
-  8mm / 3/8" blue nylon
-  8mm / 3/8" black/yellow nylon
-  8mm / 3/8" red nylon or 3/8" rubber
-  12mm / 1/2" blue nylon or 1/2" rubber
-  15mm / 5/8" black nylon

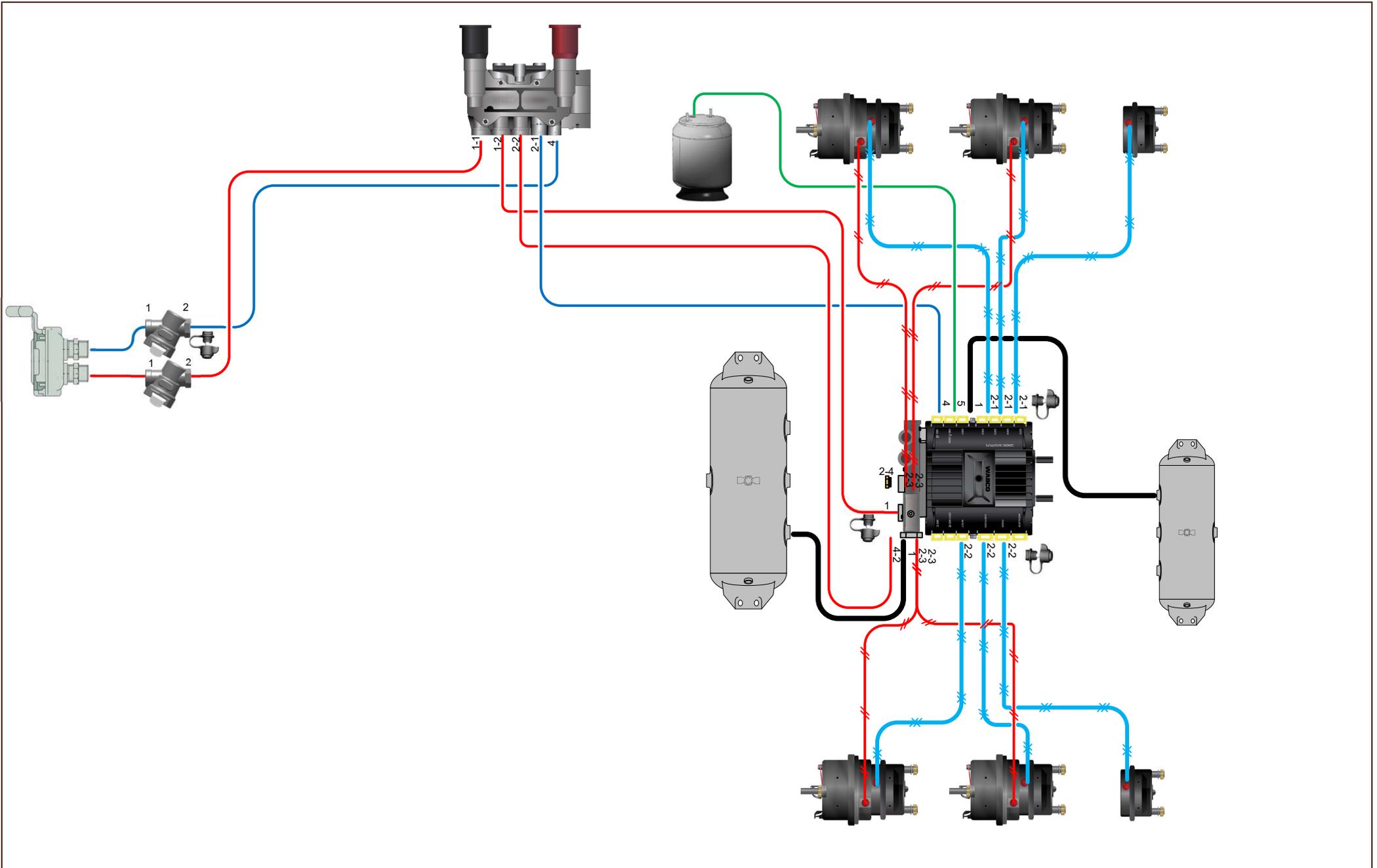
Sirit fitting breakdown





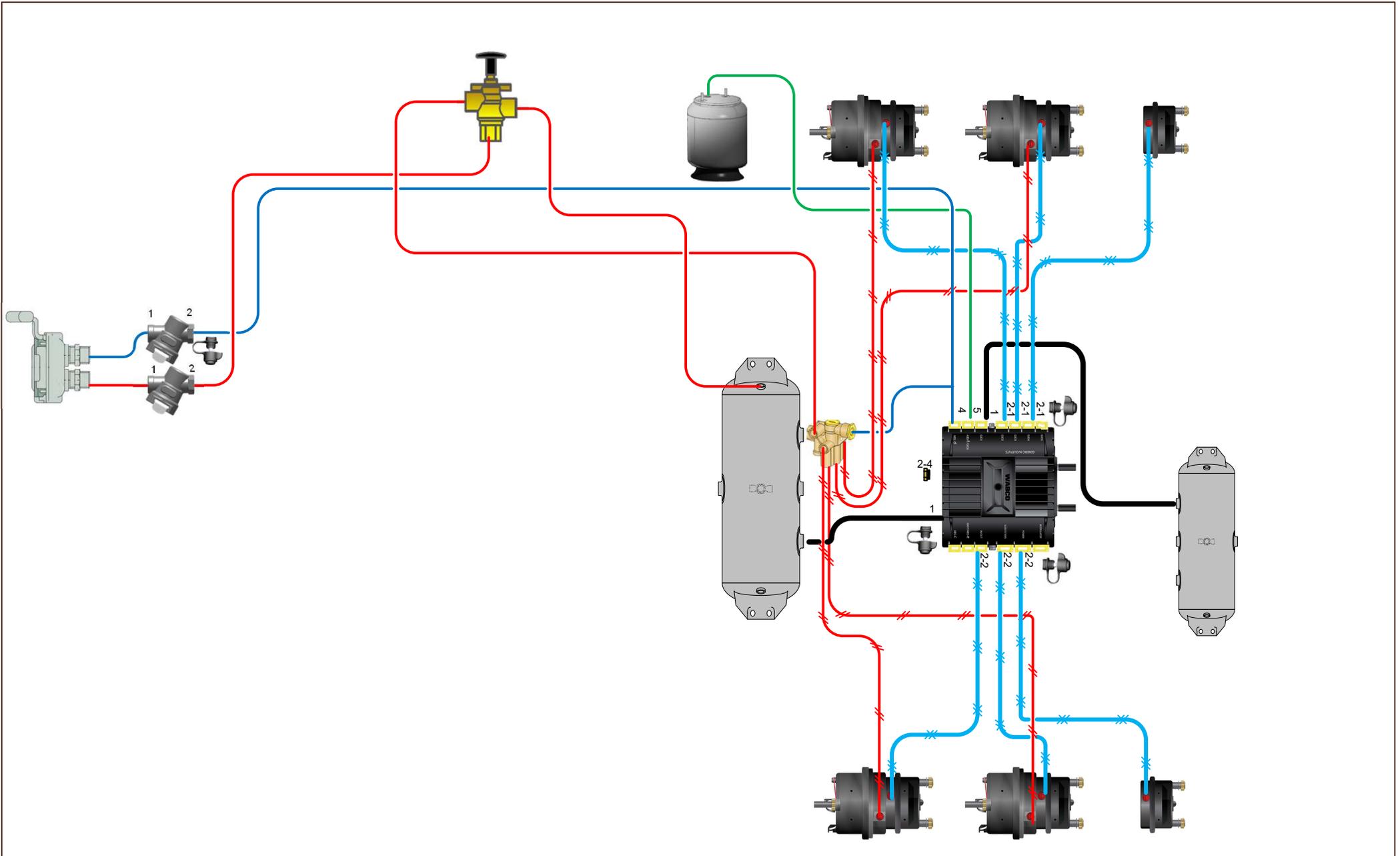
TWO AXLE SEMI, PREV





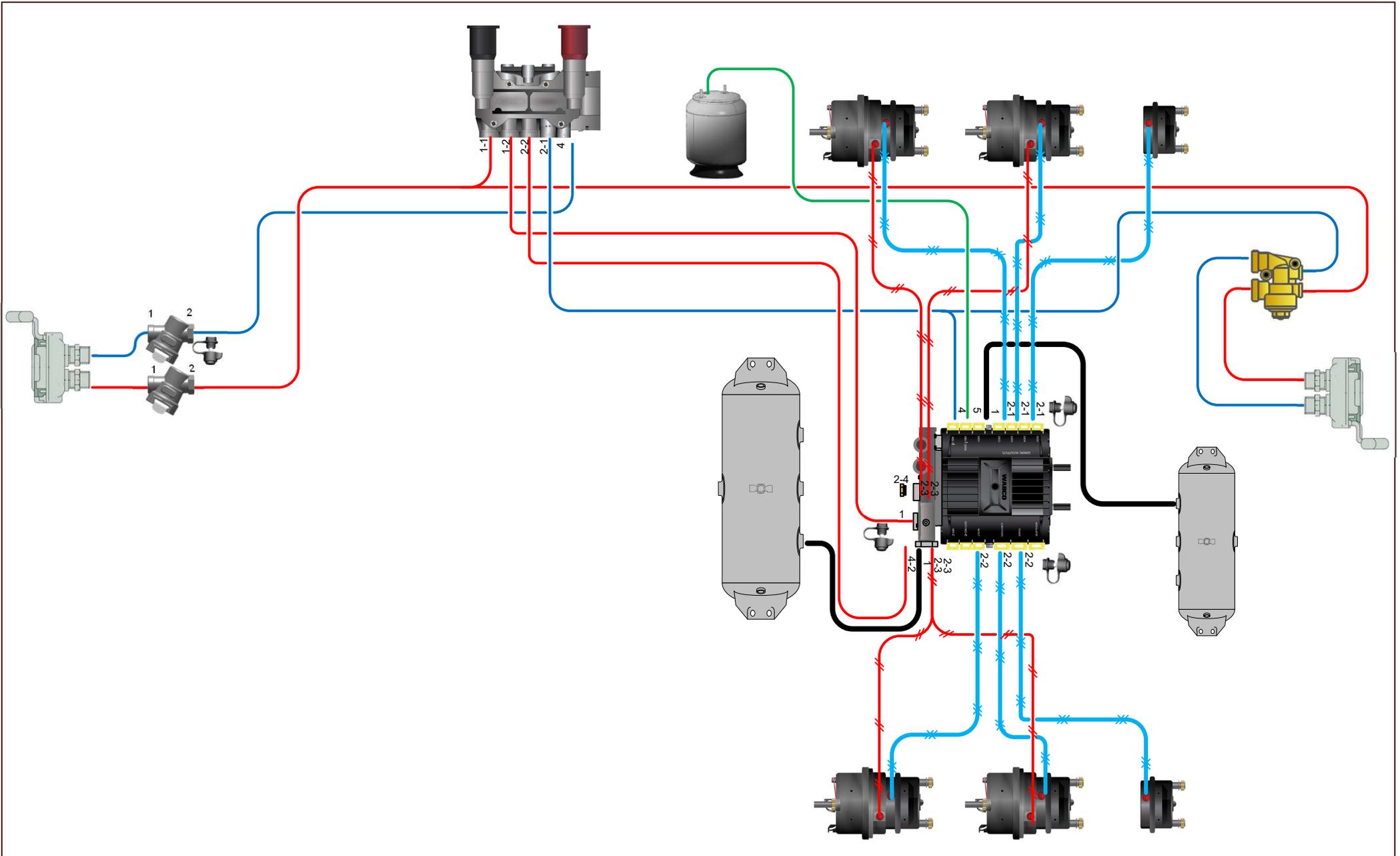
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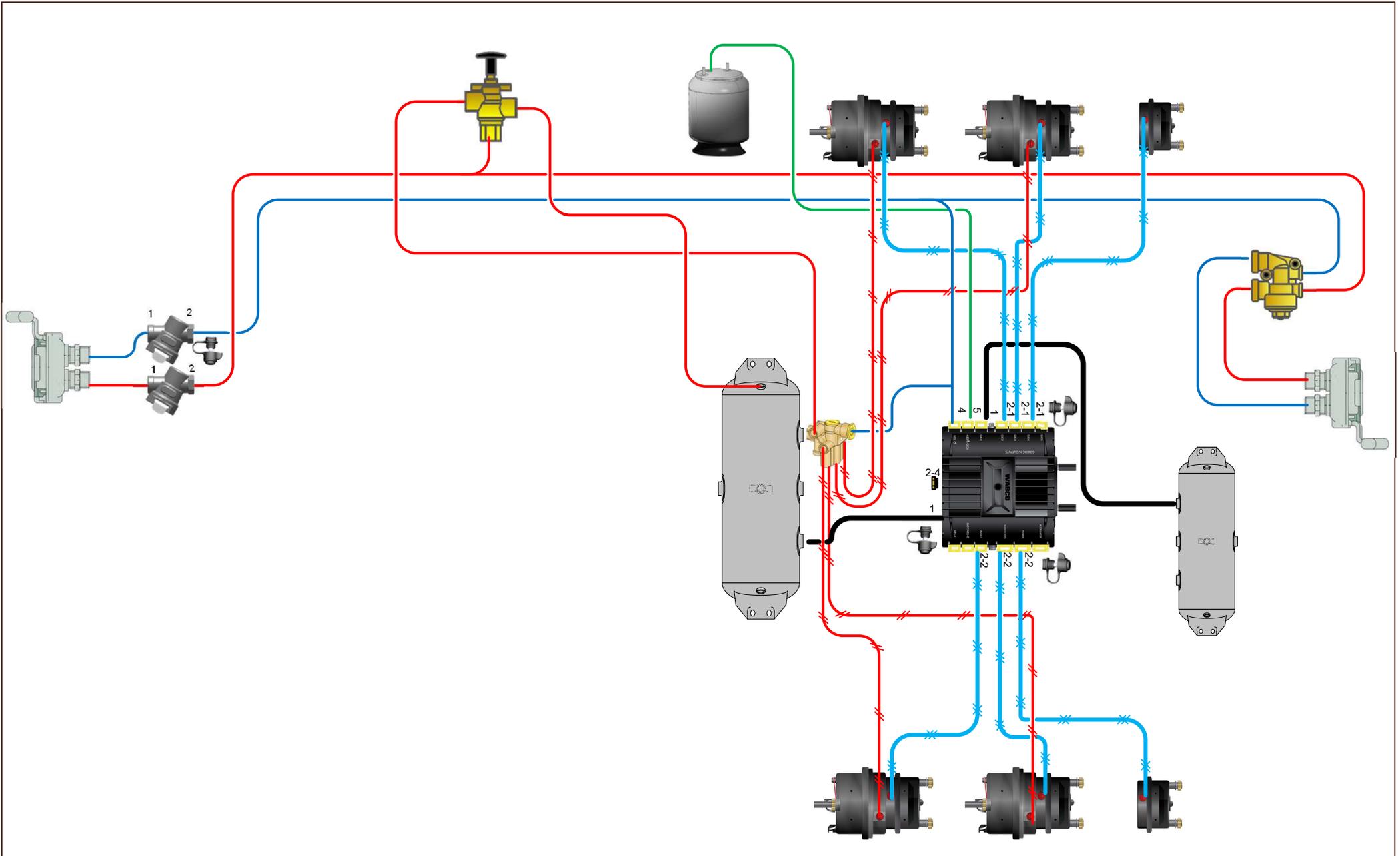
THREE AXLE SEMI, YARD RELEASE





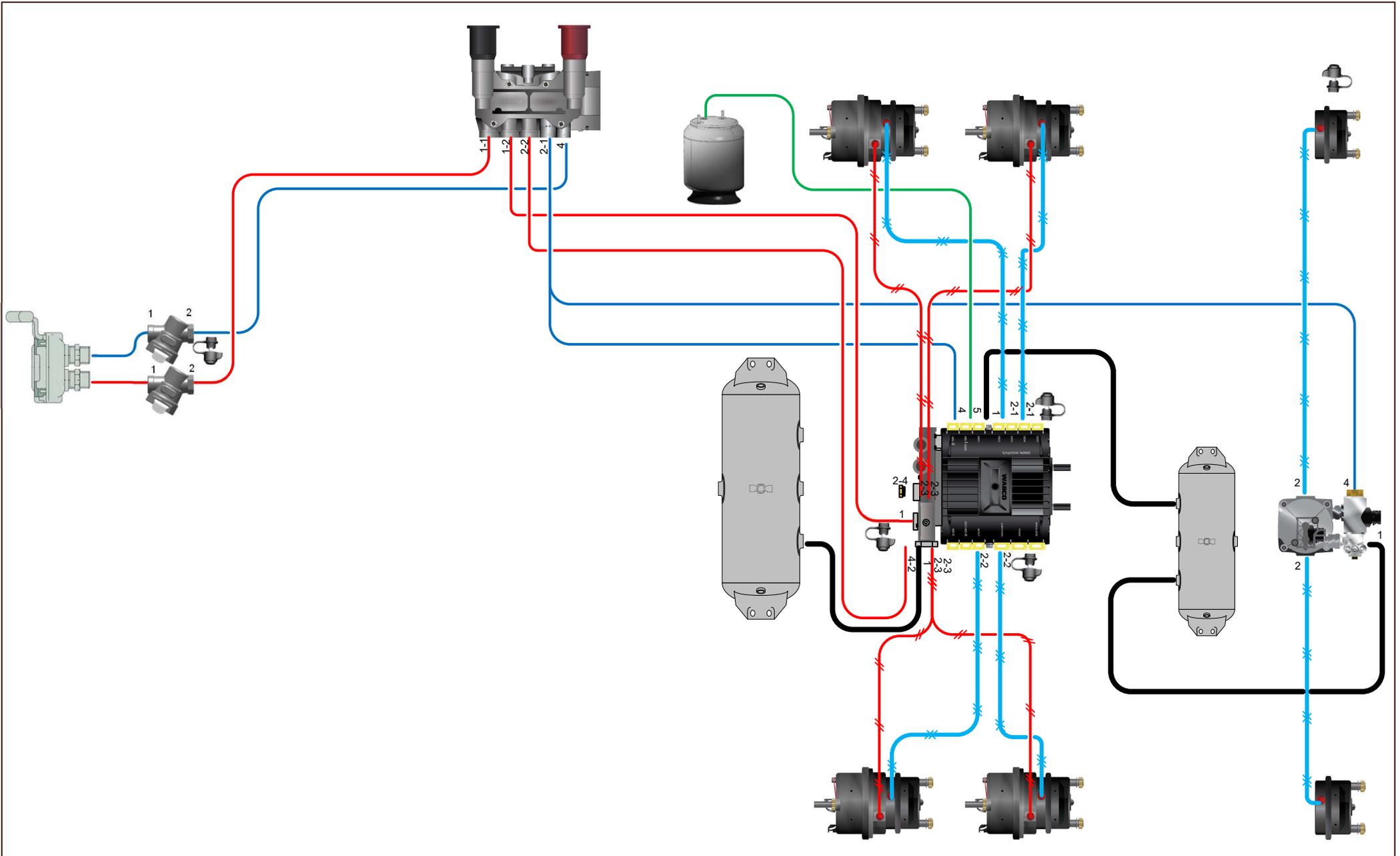
THREE AXLE SEMI, 'A' BTRAIN, PREV





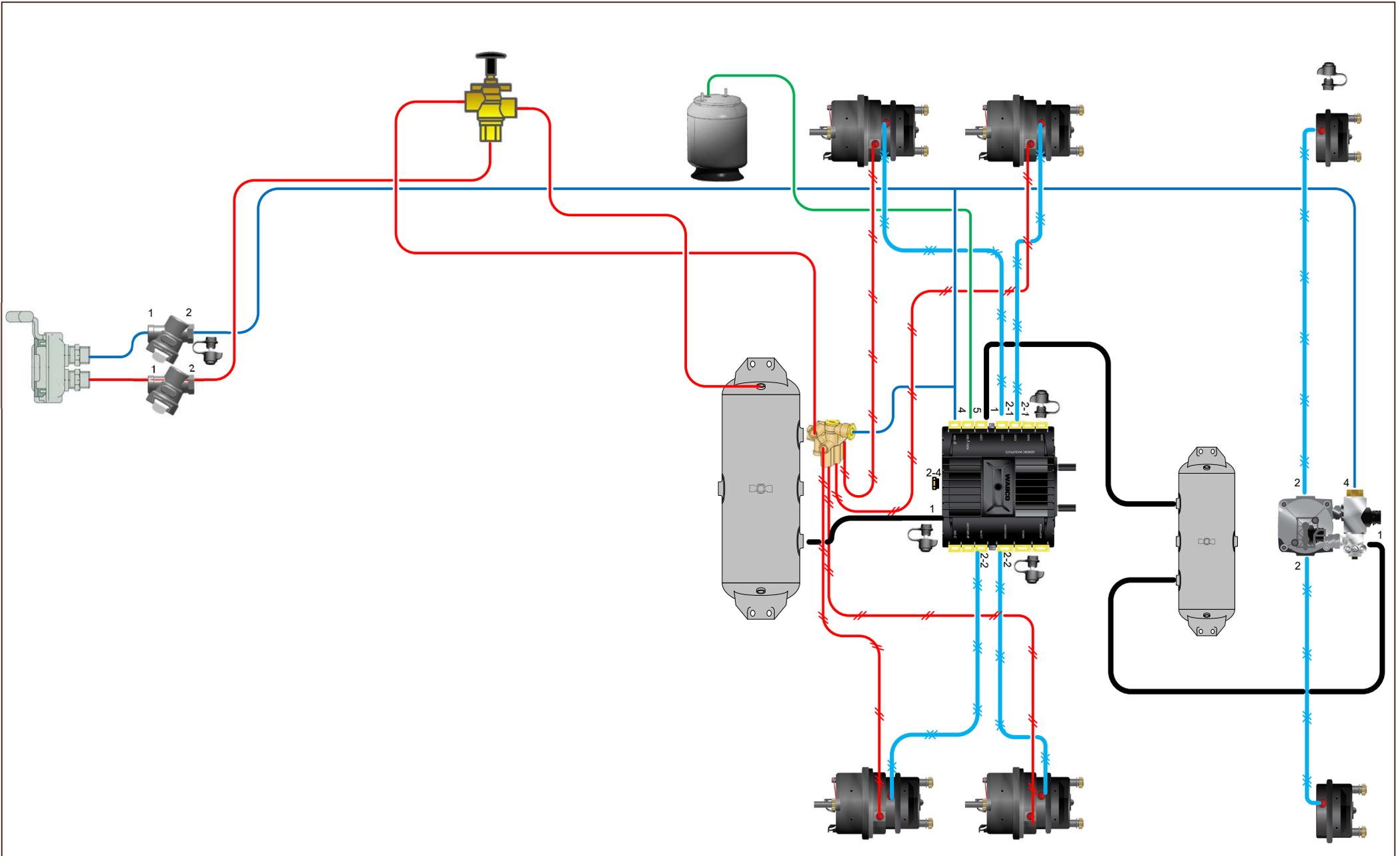
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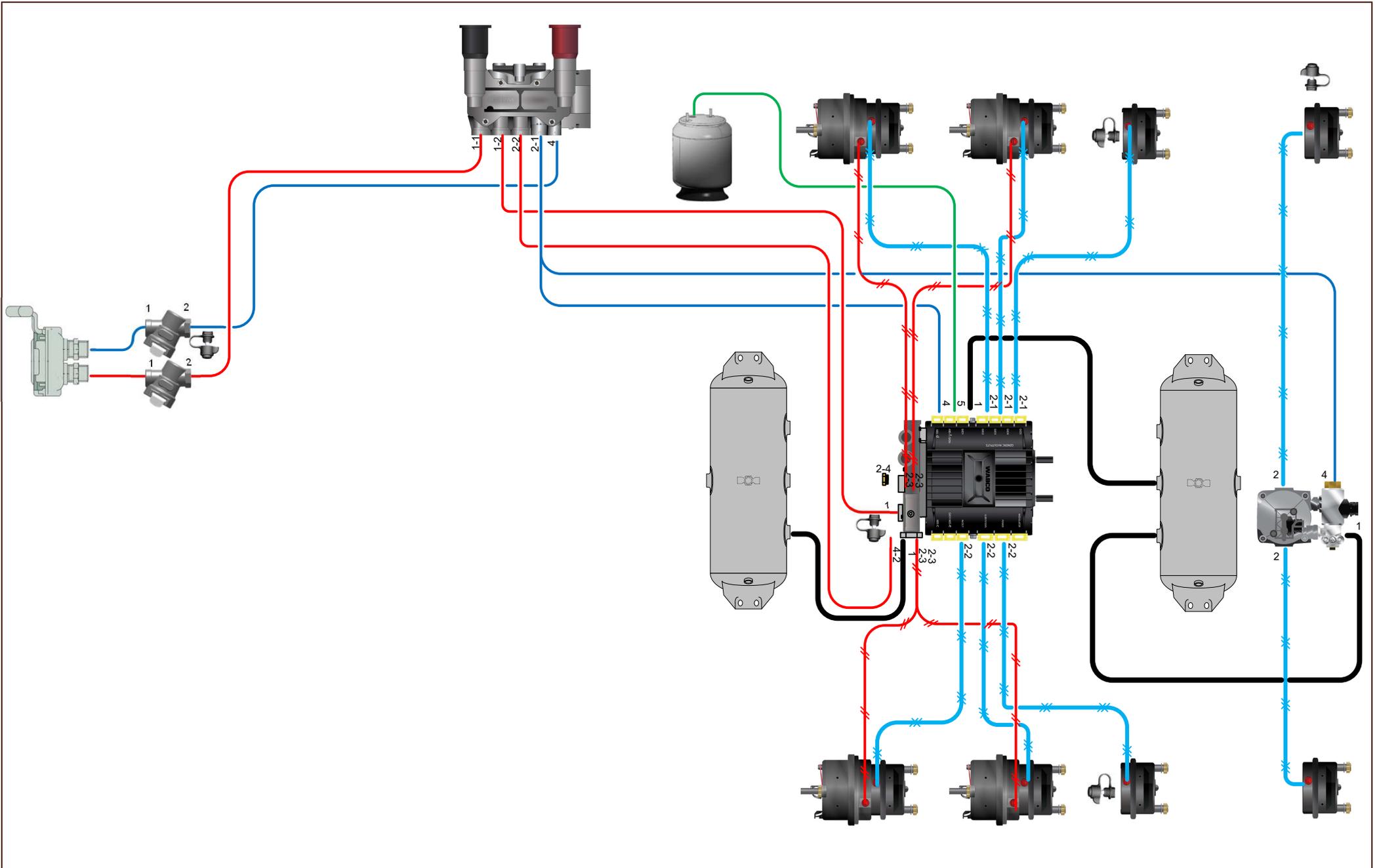
THREE AXLE SEMI STEER AXLE, PREV





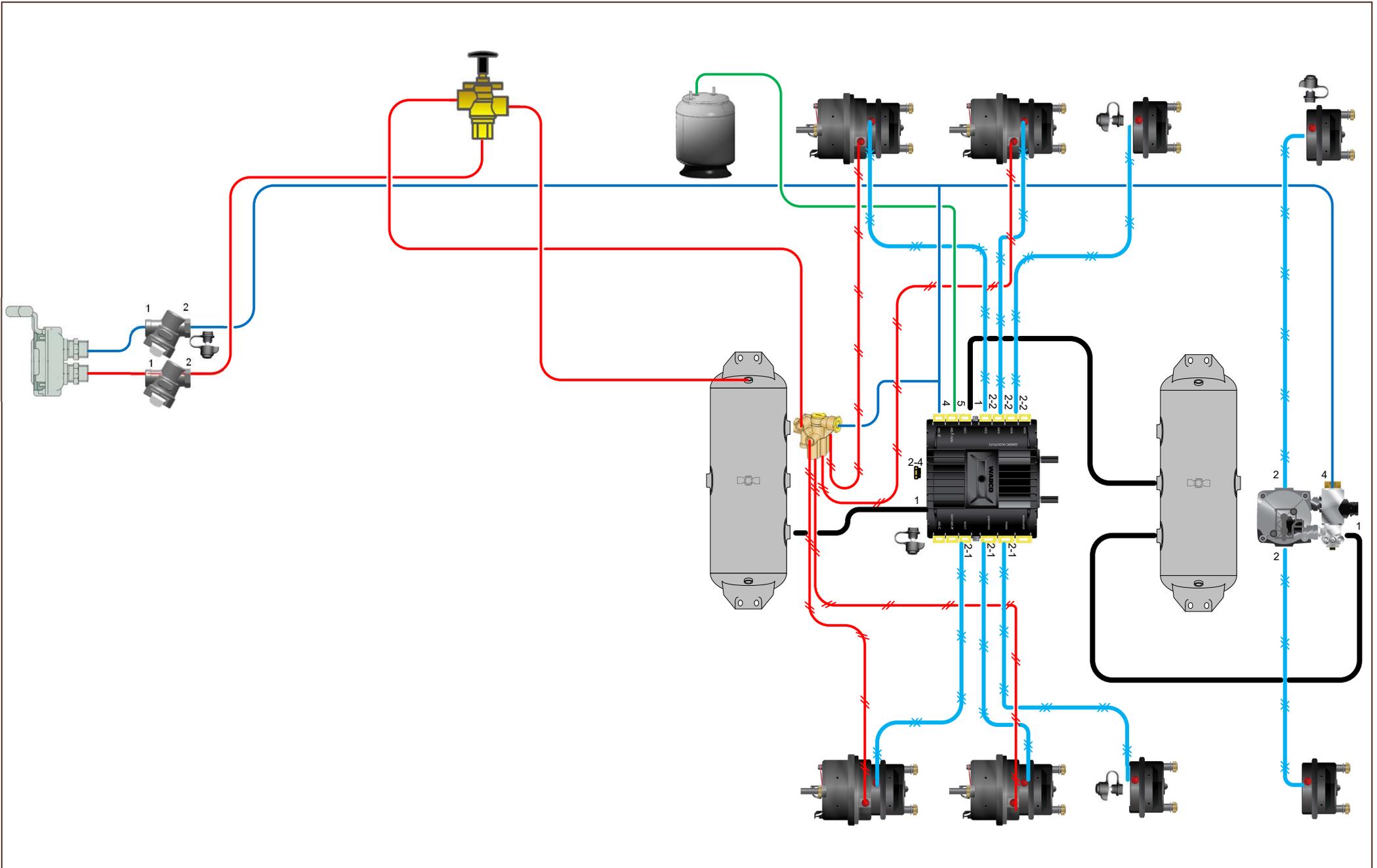
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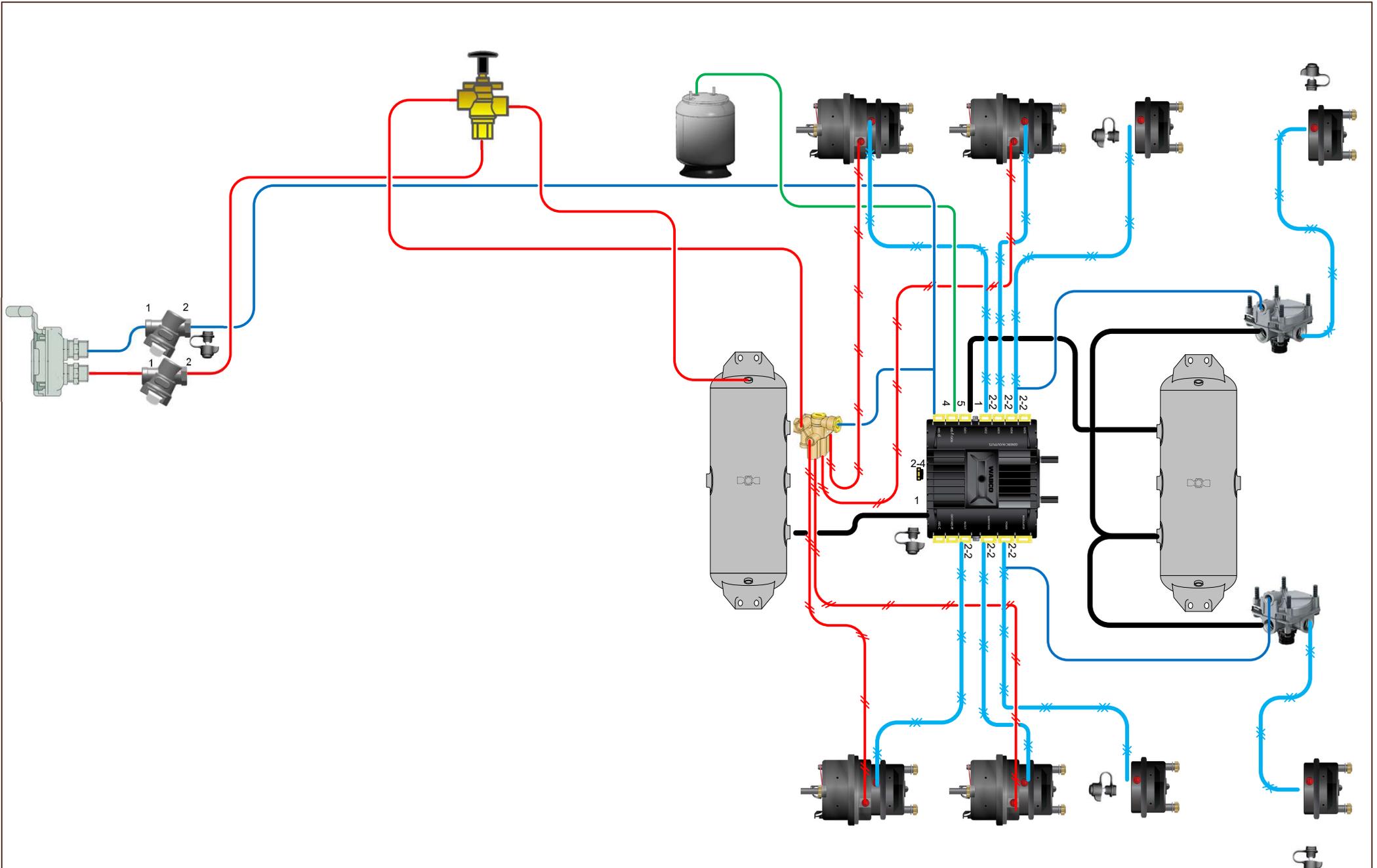
FOUR AXLE SEMI STEER AXLE, PREV





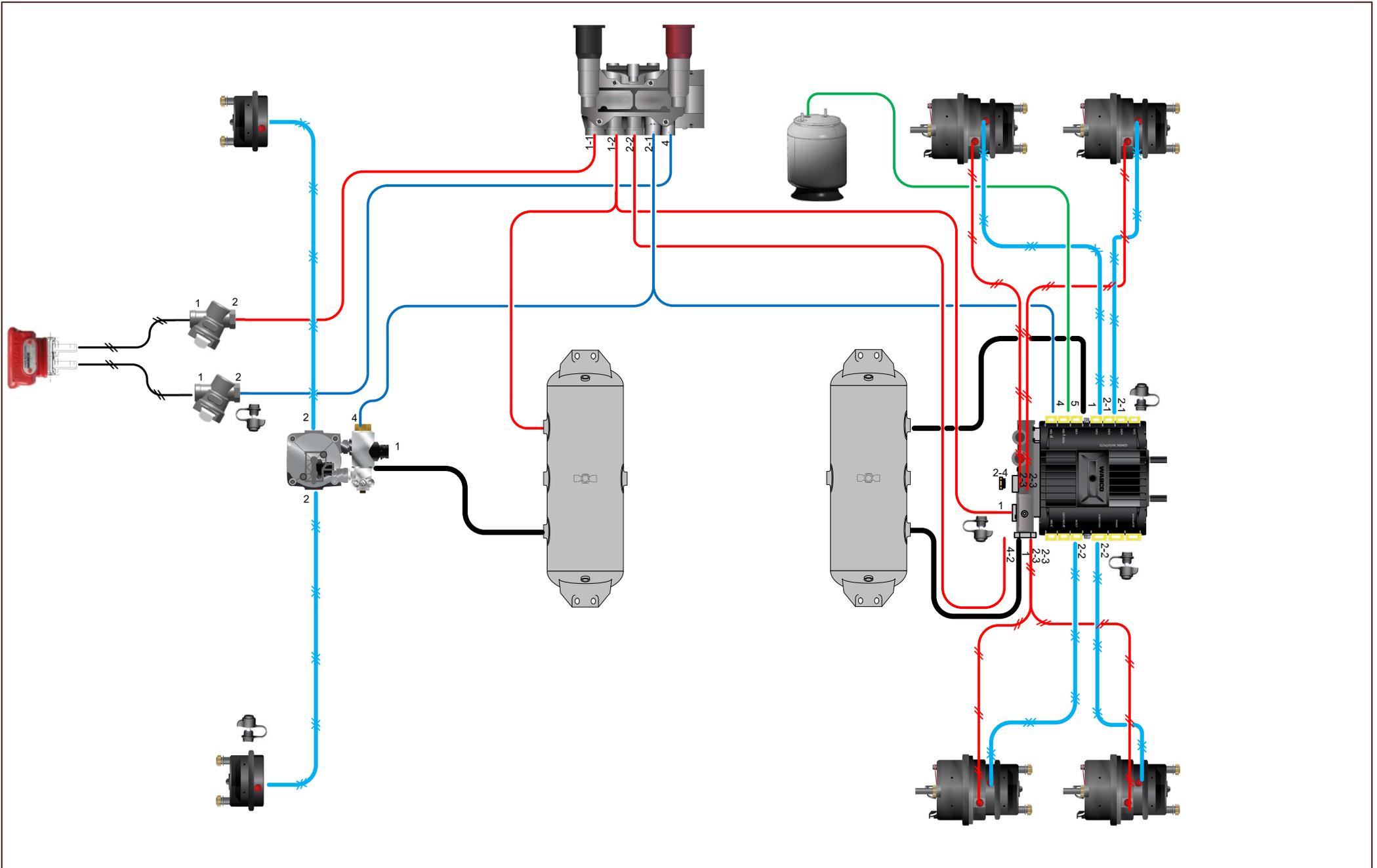
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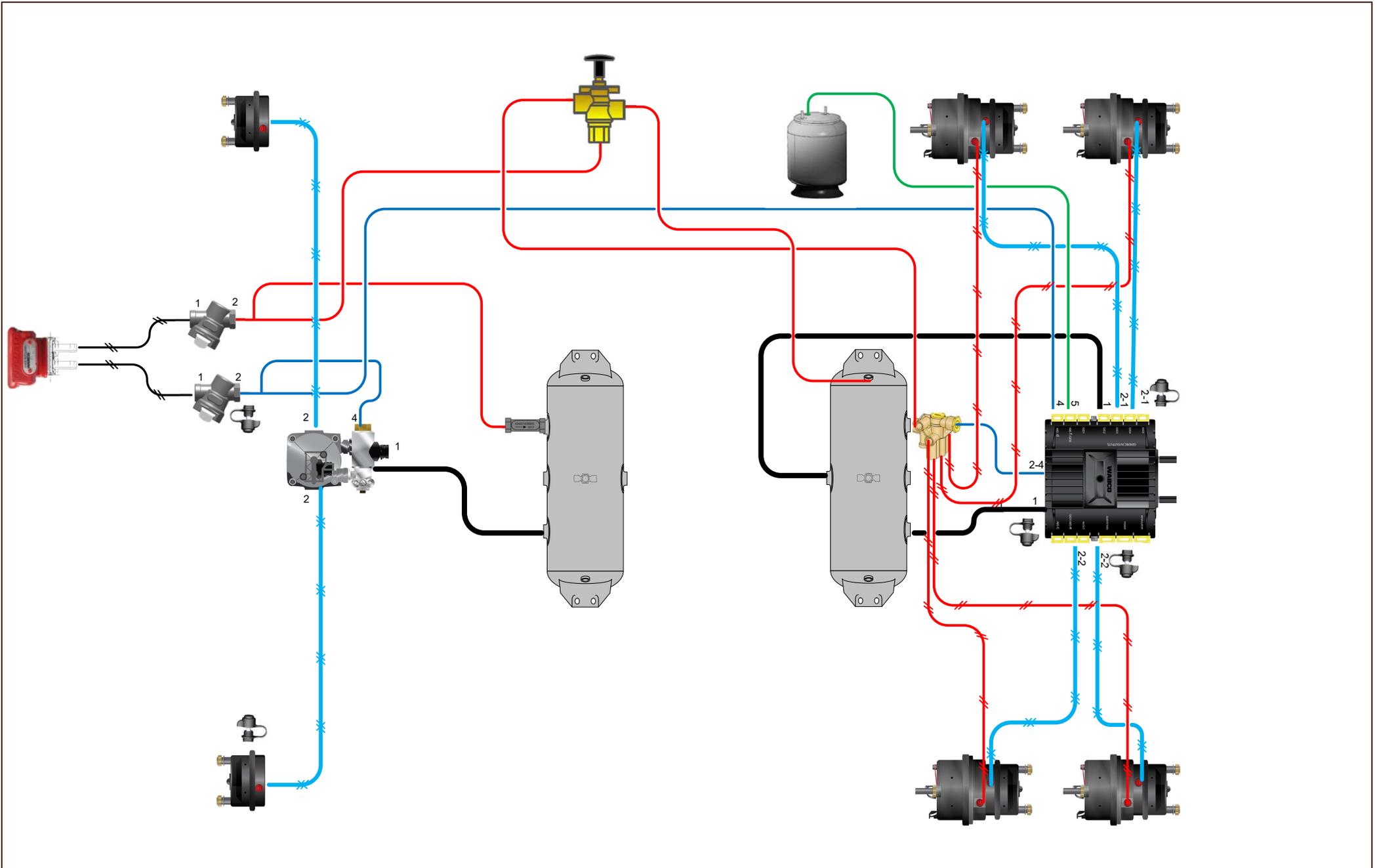
FOUR AXLE SEMI FIXED AXLE, YARD RELEASE





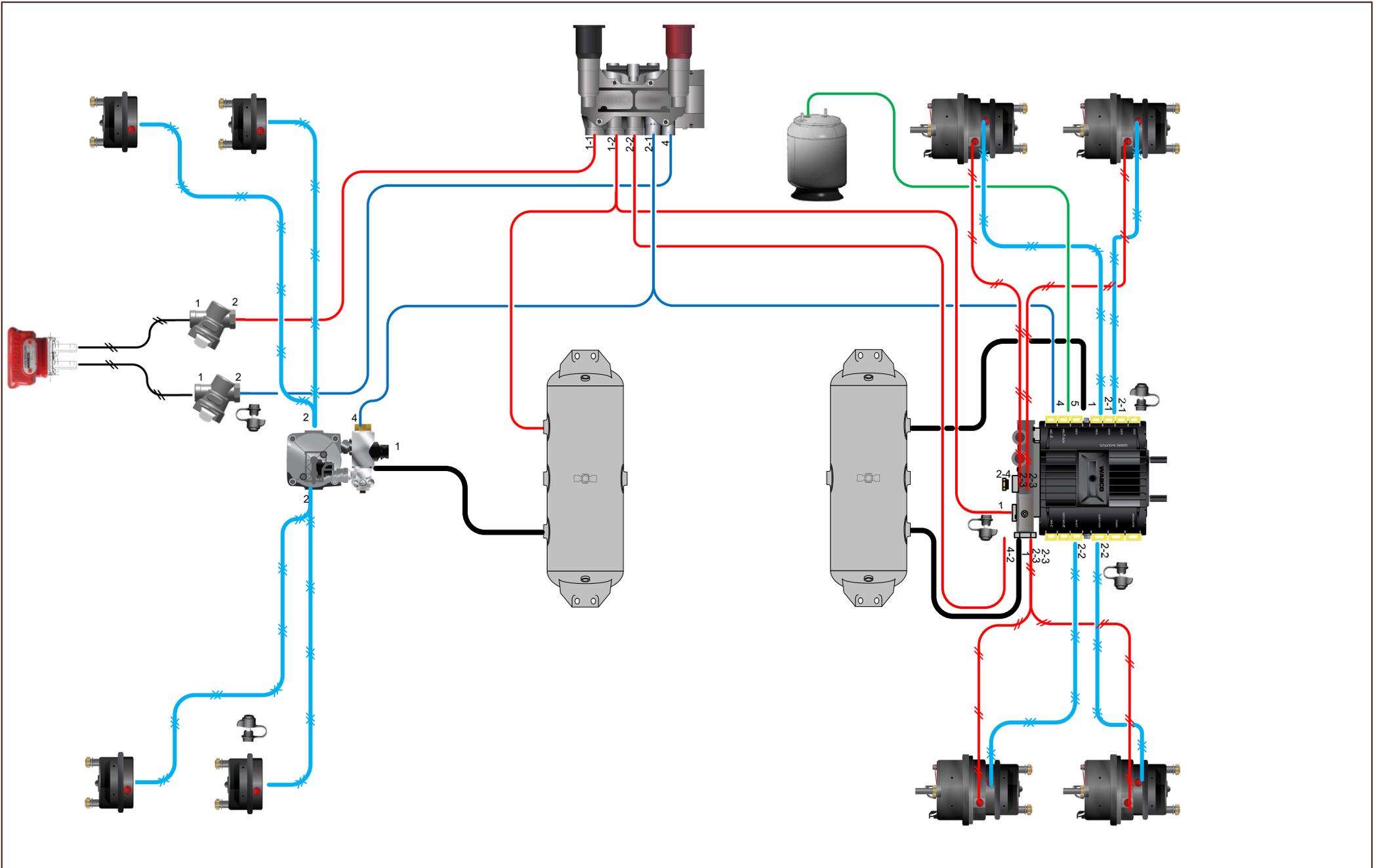
THREE AXLE FULL, PREV





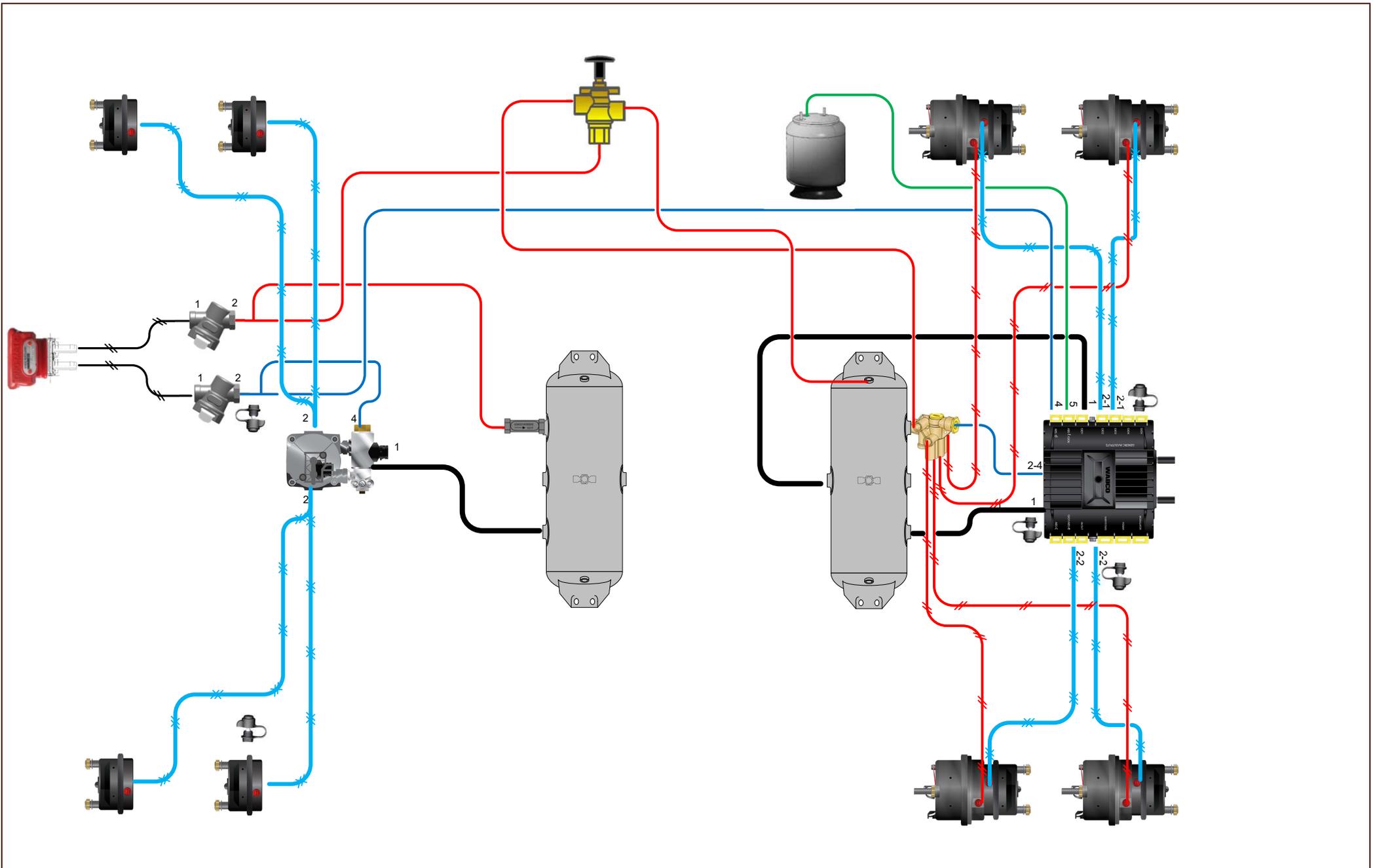
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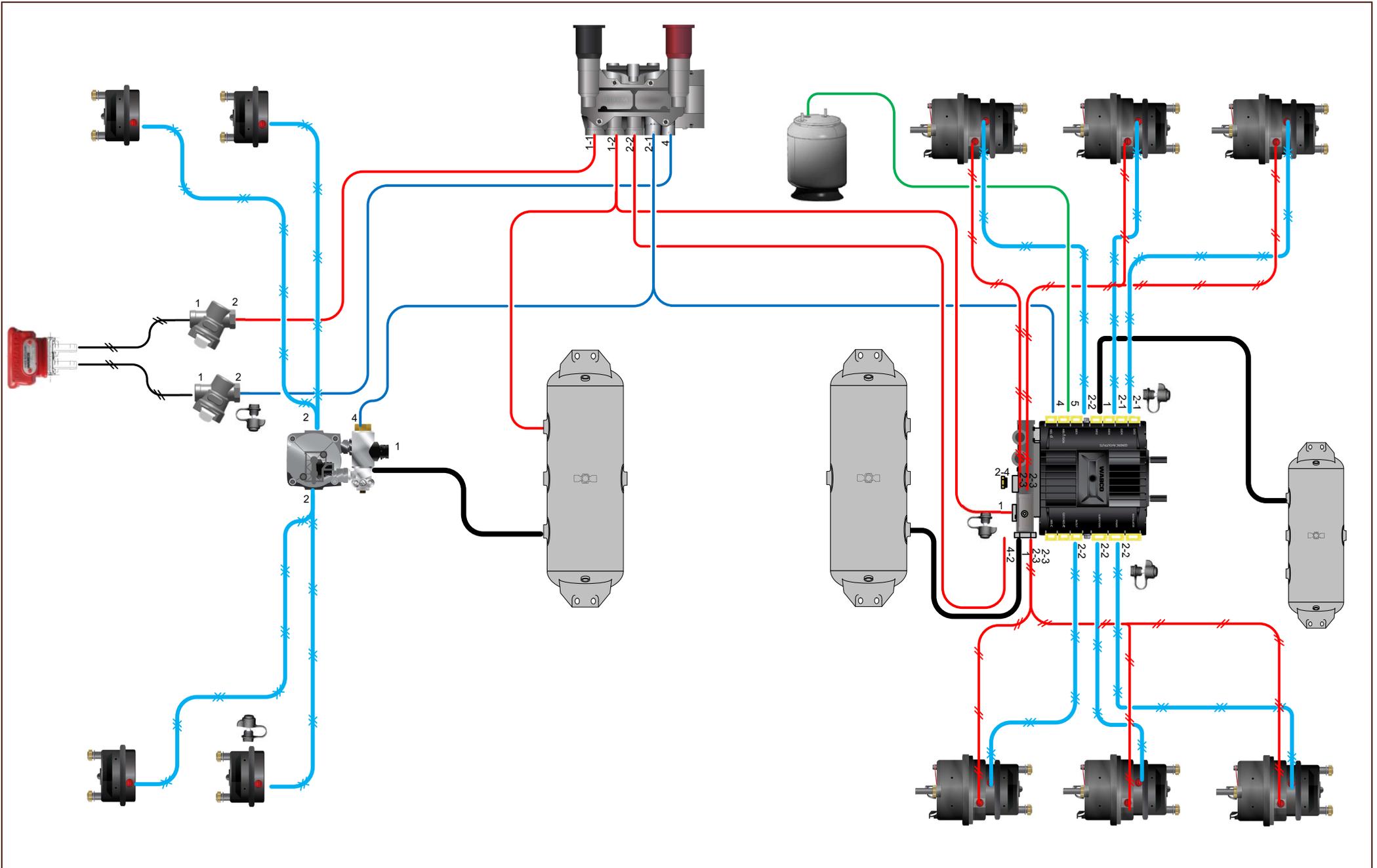
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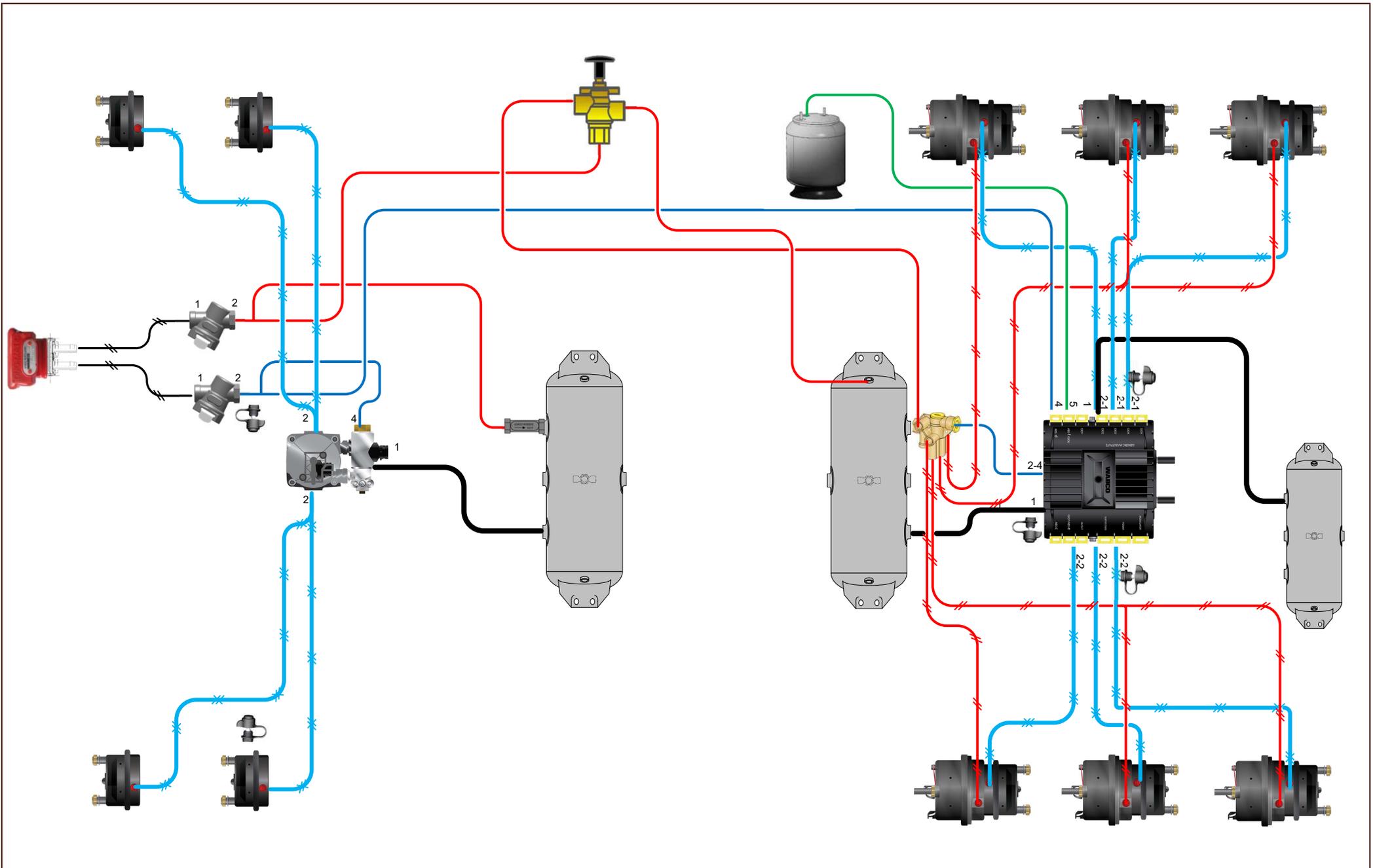
FOUR AXLE FULL, YARD RELEASE





FIVE AXLE FULL, PREV



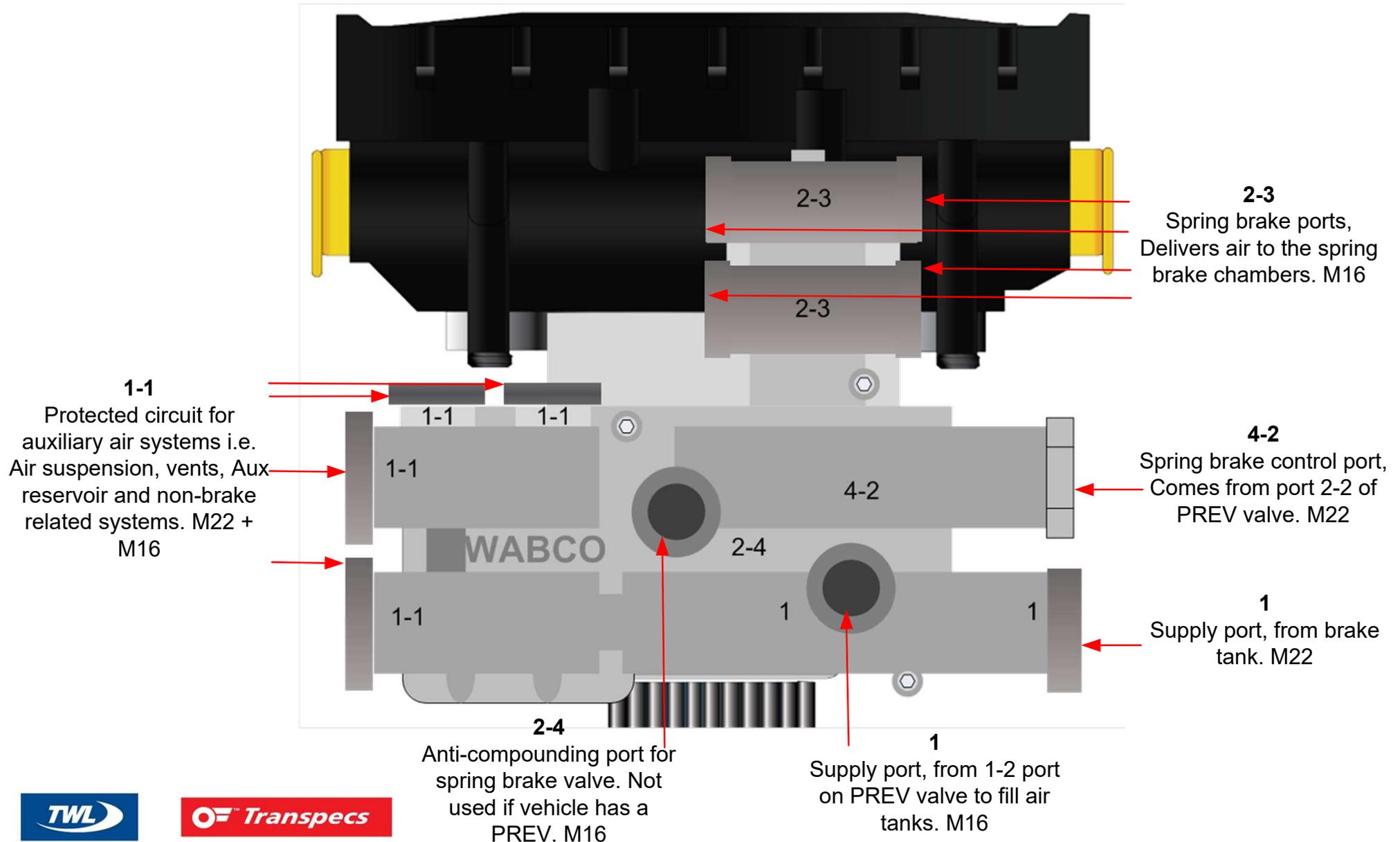


FIVE AXLE FULL, YARD RELEASE



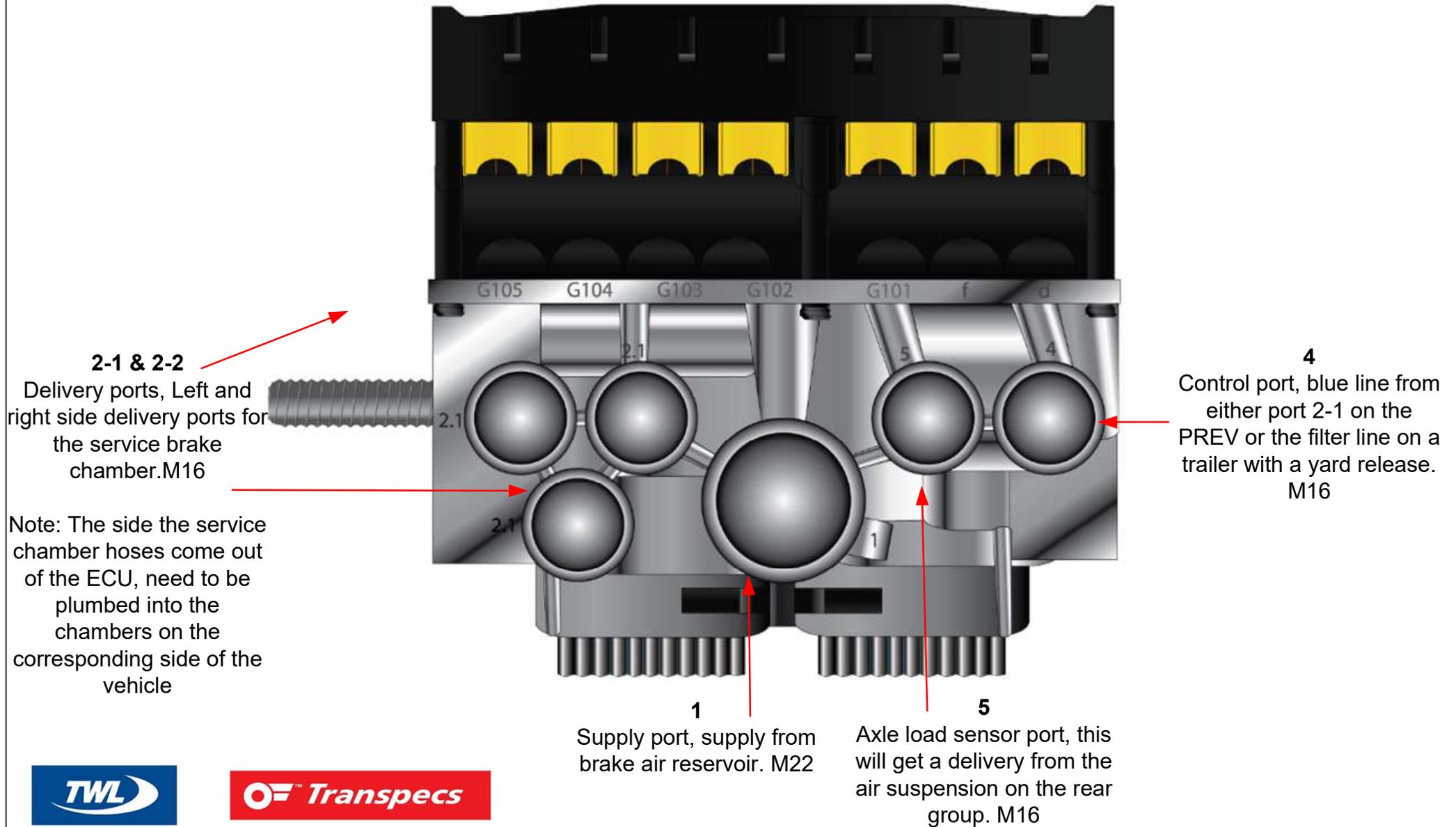
WABCO EBS E port descriptions

ECU front view

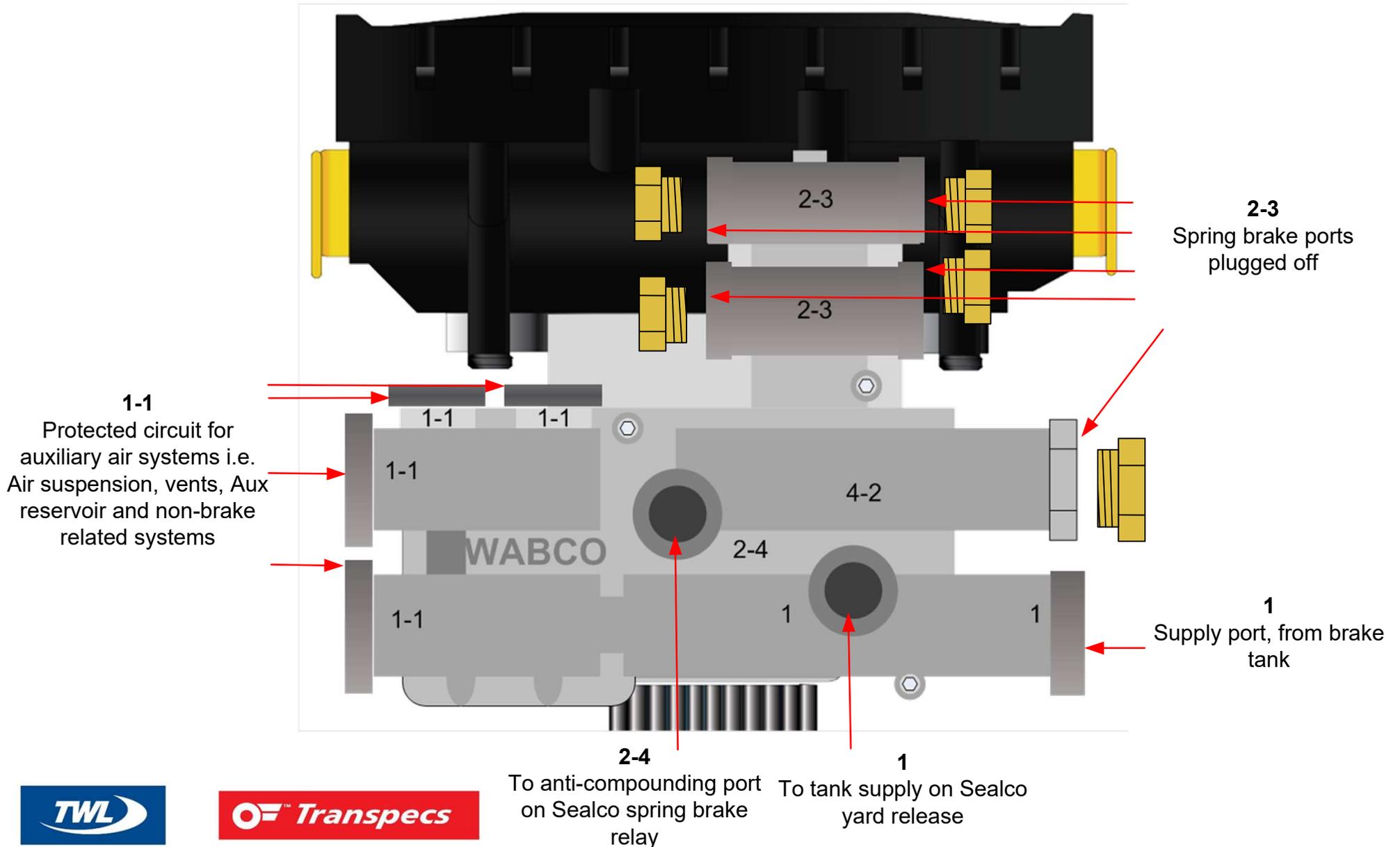


WABCO EBS E port descriptions

ECU front view



Auxiliary supply option, Using Sealco spring brake relay



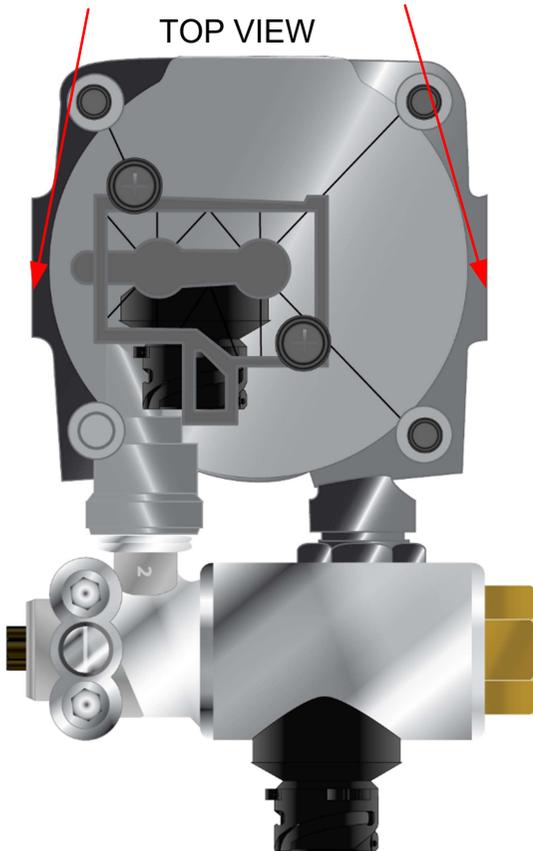
WABCO EBS E port descriptions

3rd Modulator

2

Delivery ports, delivers service air on up to 4 brake chambers. M22

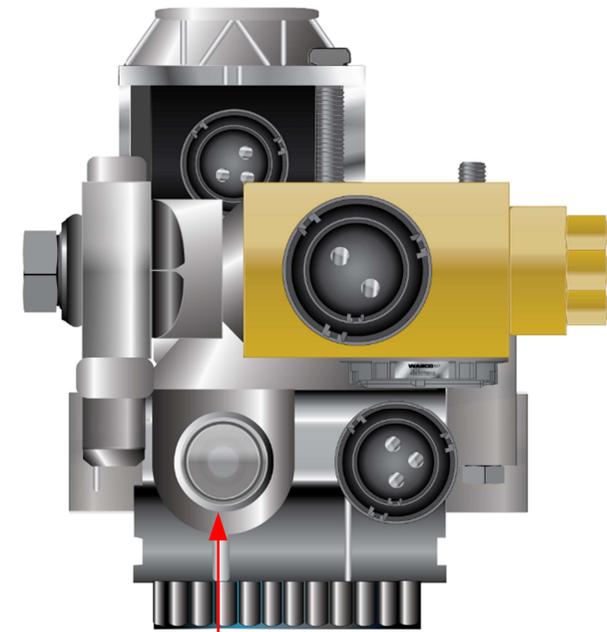
TOP VIEW



4

Control port, blue line from either port 21 on the PREV or the filter line on a trailer with a yard release. M12

FRONT VIEW



1

Supply port, supply from brake air reservoir. M22



WABCO EBS E port descriptions

Park Release Emergency Valve (PREV)

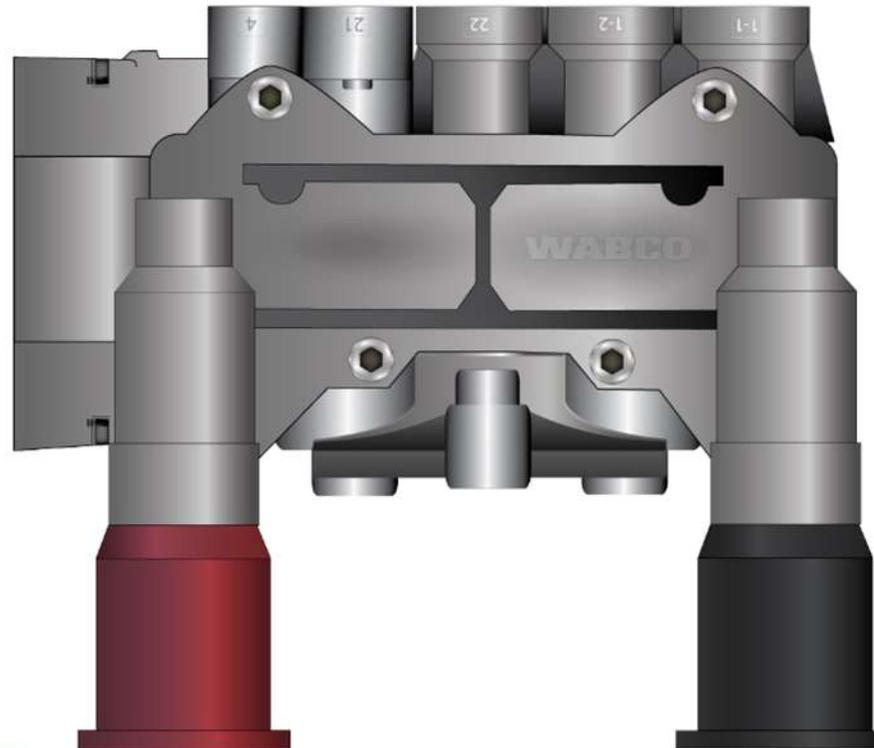
4
Supply from the control
line filter. M16

22
Spring brake control.M16

1-1
Supply from filter.M16

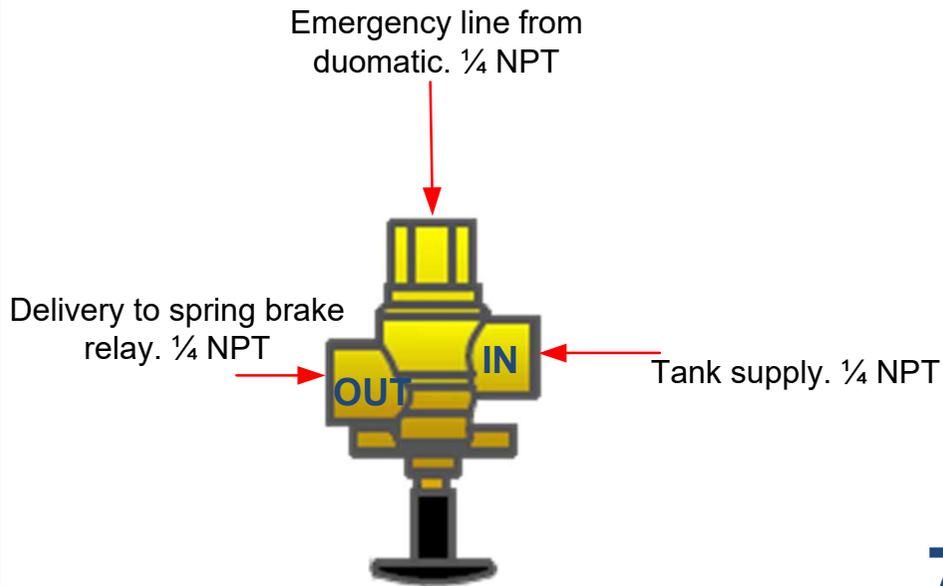
21
Delivery for the brake
control to the ECU and 3rd
modulator. M16

1-2
Air tank supply.M16

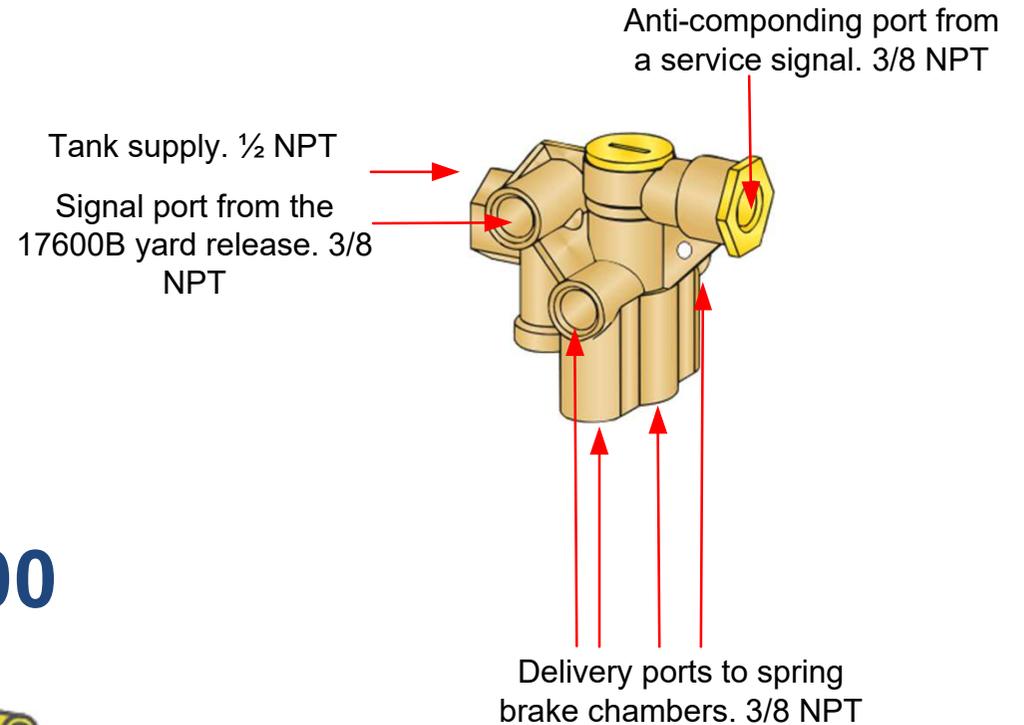


SEALCO VALVE PORT DISCRPTIONS

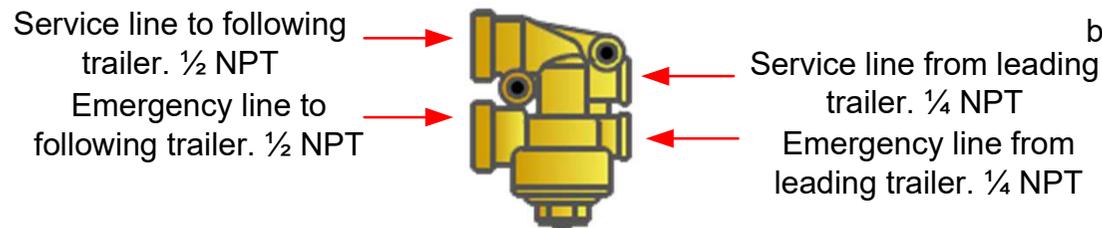
17600B



110701



7700



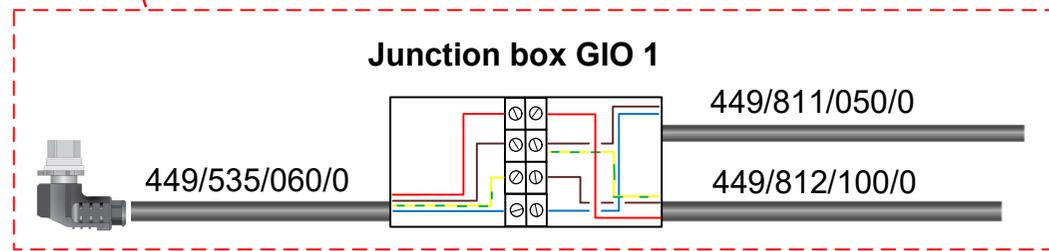
Semi trailer electrical assignment



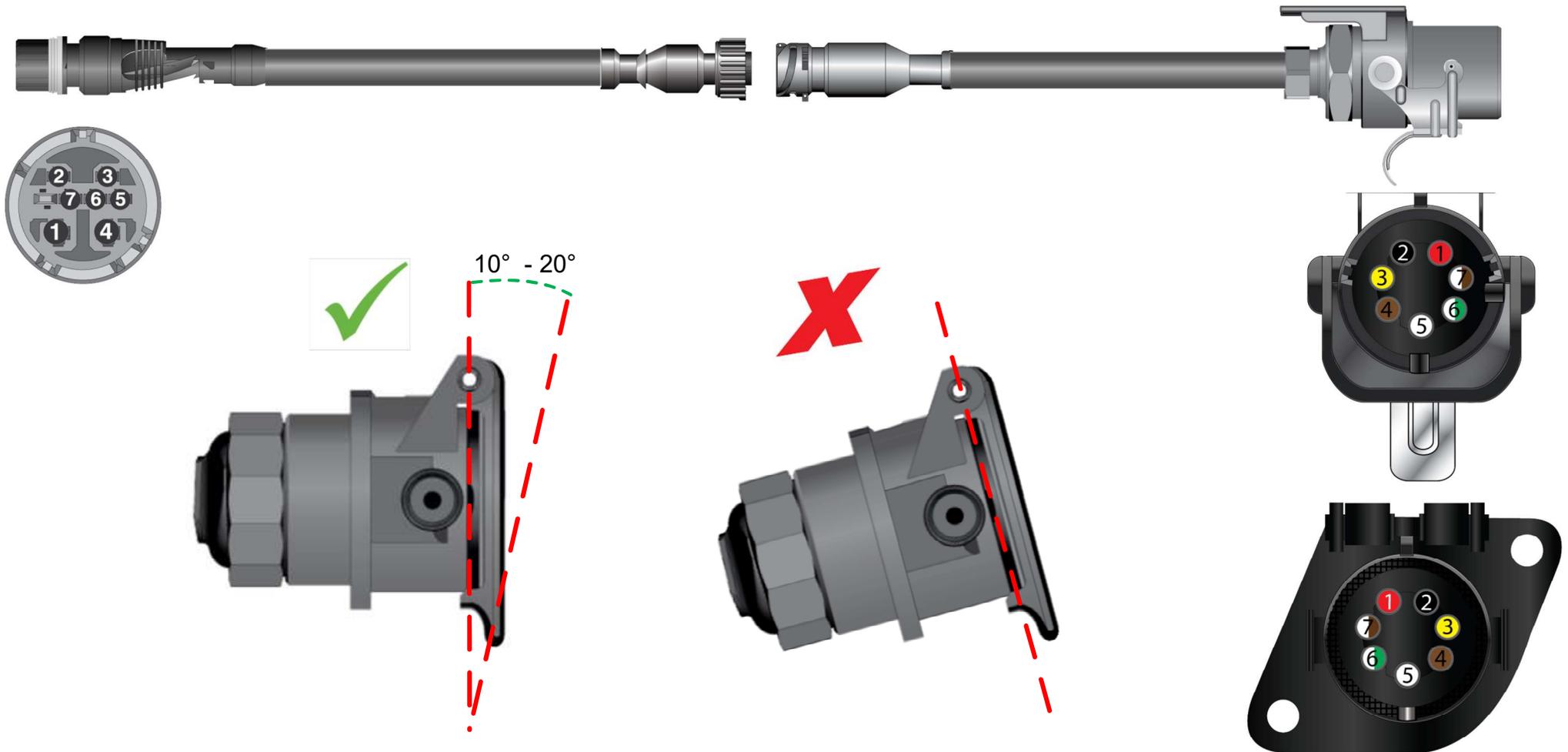
Full trailer electrical assignment



Two point control suspension electrical assignment



ISO 7638 plugs & sockets

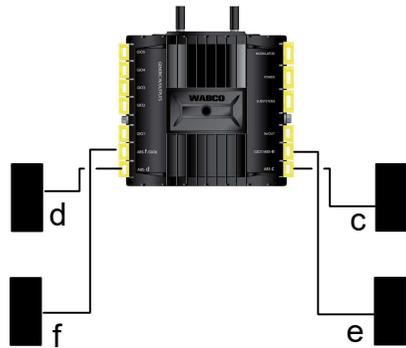
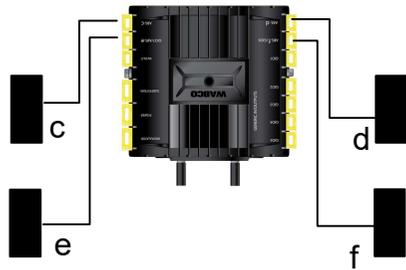


The ISO connector should not be installed parallel to the longitudinal axis of the vehicle but slightly inclined downwards, this will ensure any water that gets into the socket will drain away preventing corrosion.



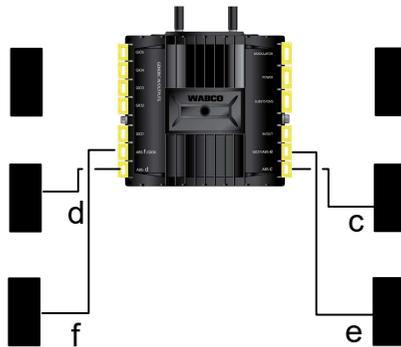
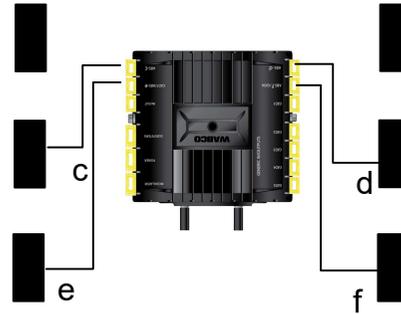
Wheel speed sensor location semi

2 Axle



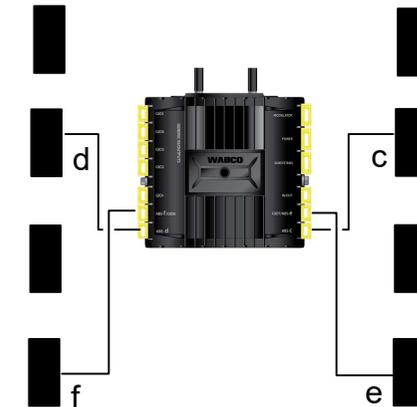
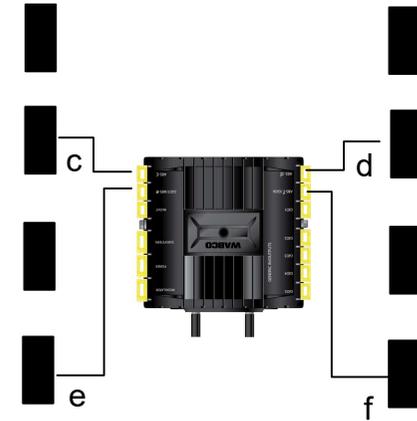
Driving direction ↑

3 Axle

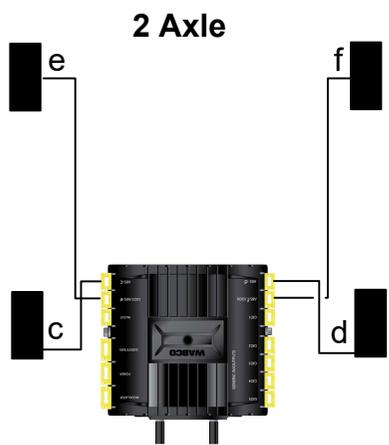


Driving direction ↑

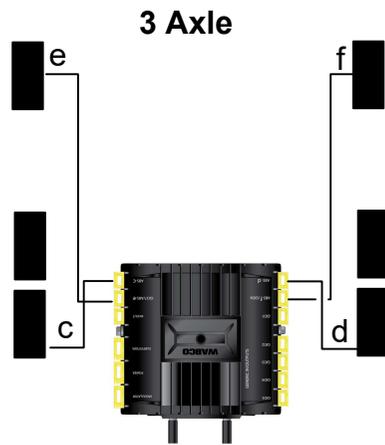
4 Axle



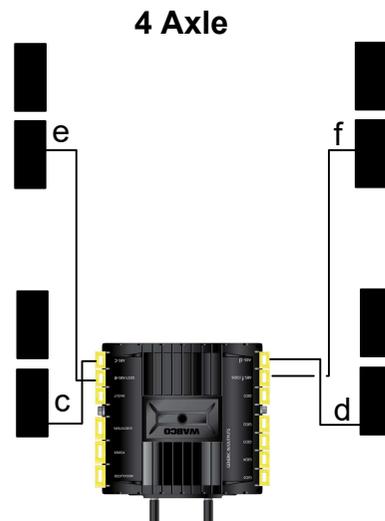
Wheel speed sensor location full



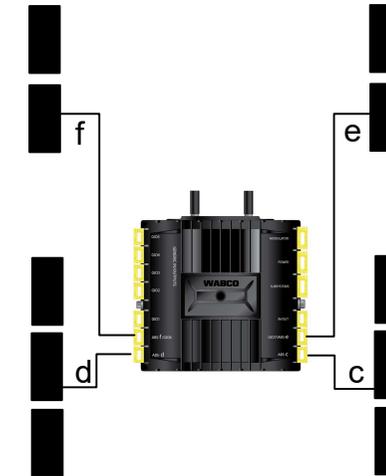
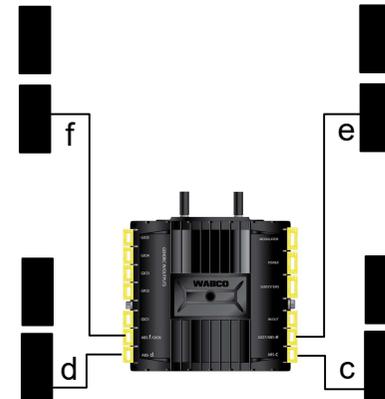
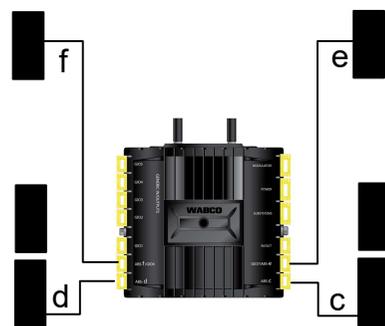
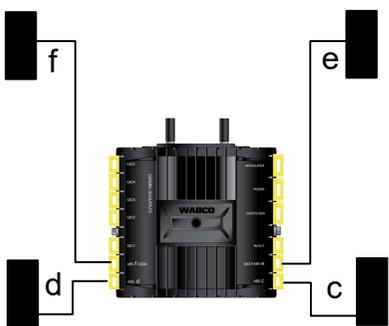
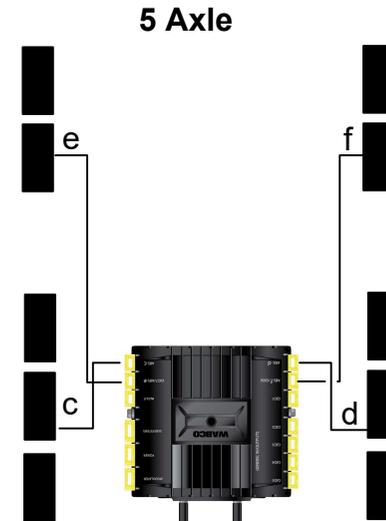
Driving direction



Driving direction

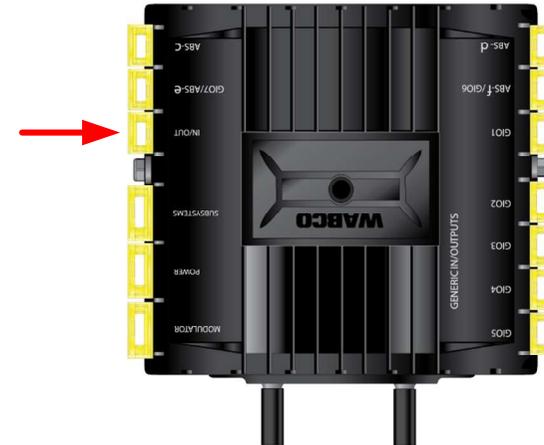
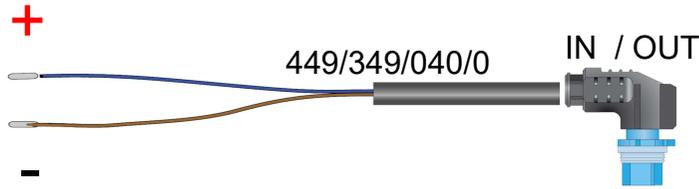


Driving direction

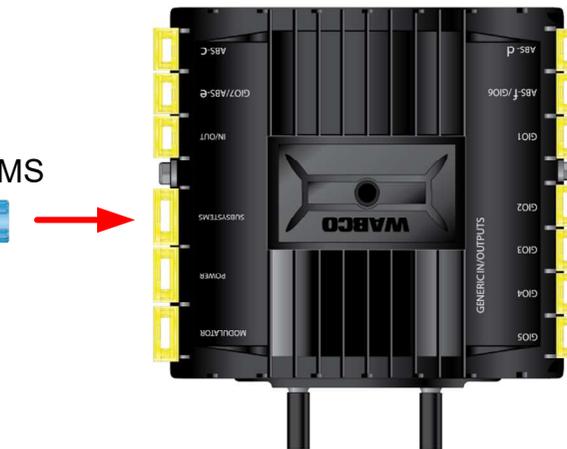


Brake light backup

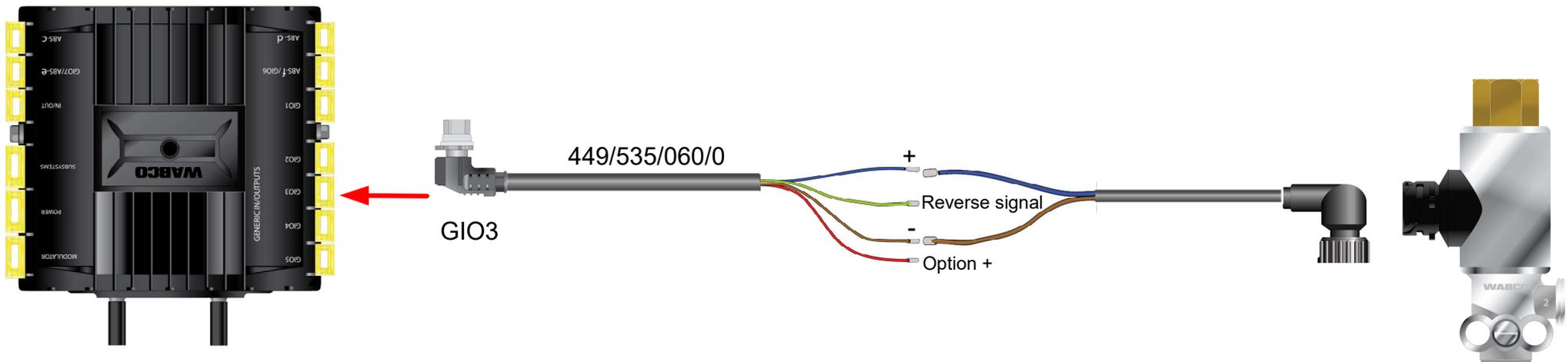
Trailer brake lights



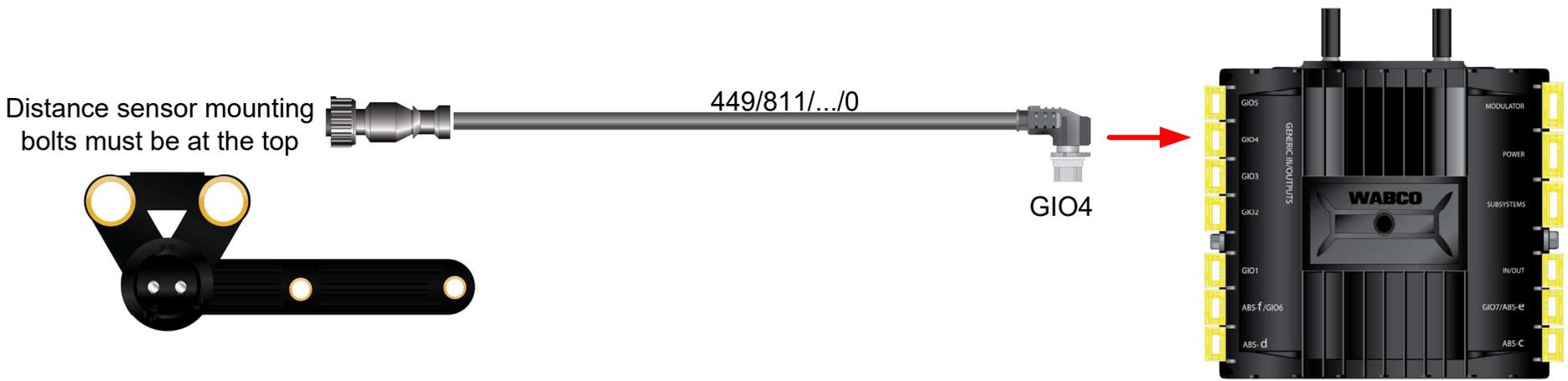
Smartboard



Steer axle lock



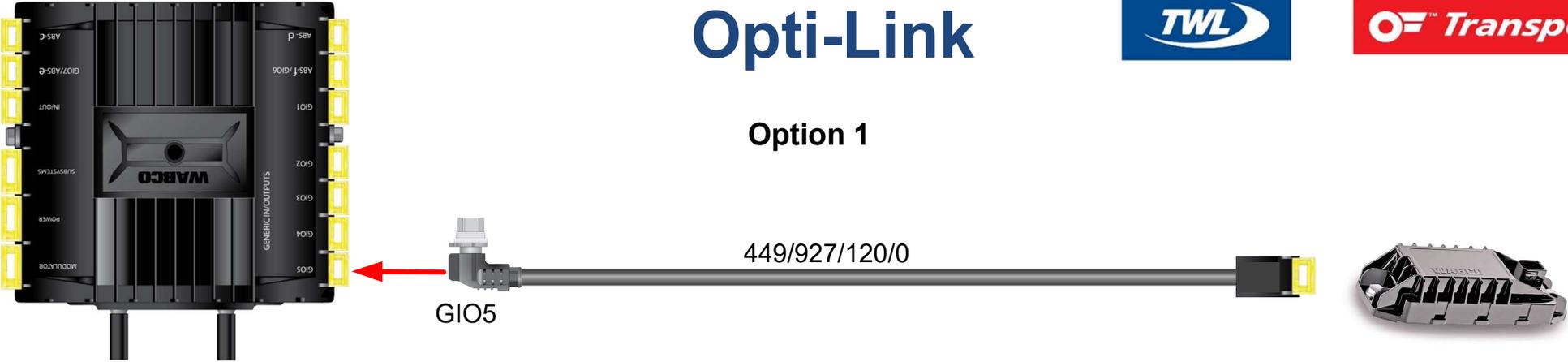
Electronic distance sensor



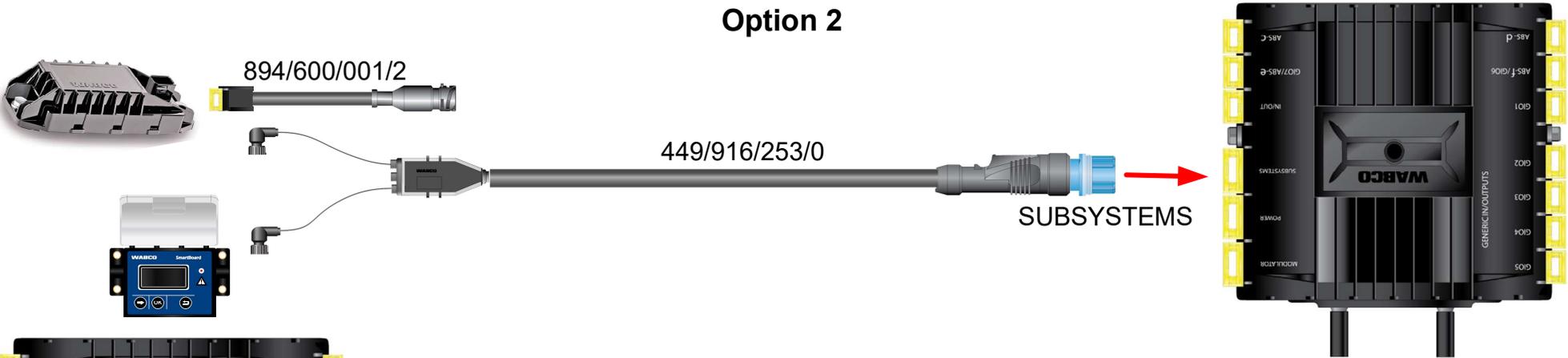
Opti-Link



Option 1



Option 2



Option 3

