

# WABCO



## WABCO TEBS-E Generic Schematic Diagrams



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# WABCO







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## Please Note:

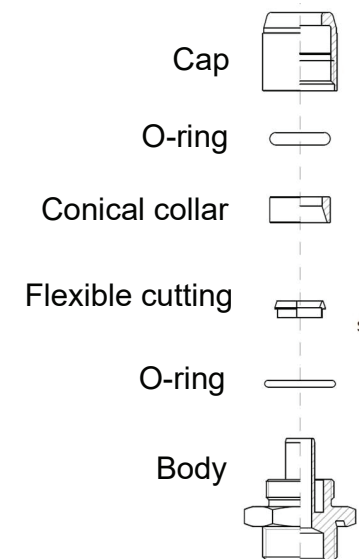
Information and schematic diagrams in this book are of a generic nature, please get in contact with your local Brake certifier for any additional information or system drawings. For all new installations and EBS retrofits, the vehicle will need to be certified to the New Zealand Heavy Vehicle Brake Rule.

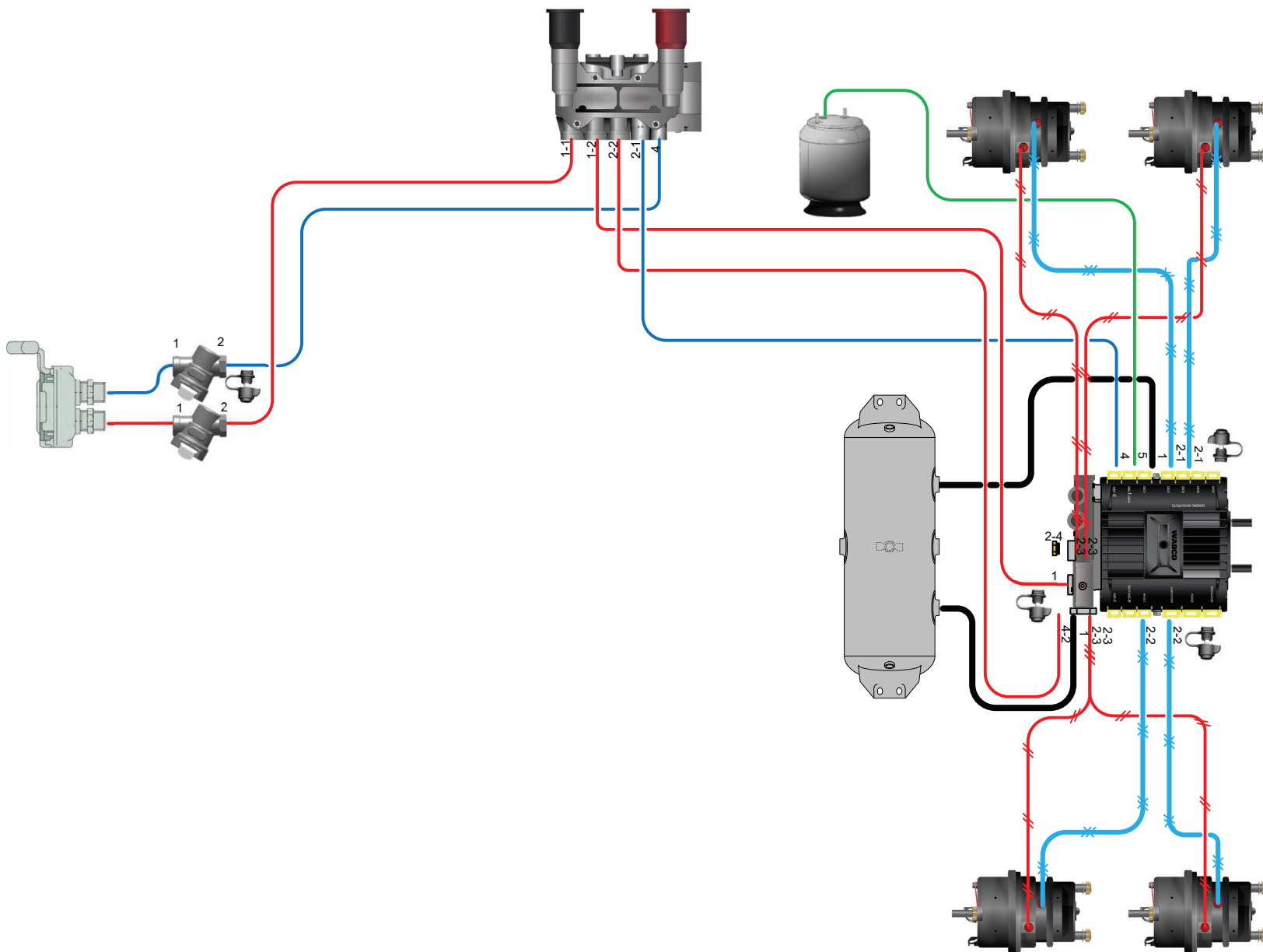
Information and schematic diagrams in this book are of a generic nature, please get in contact with your local Brake certifier for any additional information or system drawings. For all new installations and EBS retrofits, the vehicle will need to be certified to the New Zealand Heavy Vehicle Brake Rule.

## 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

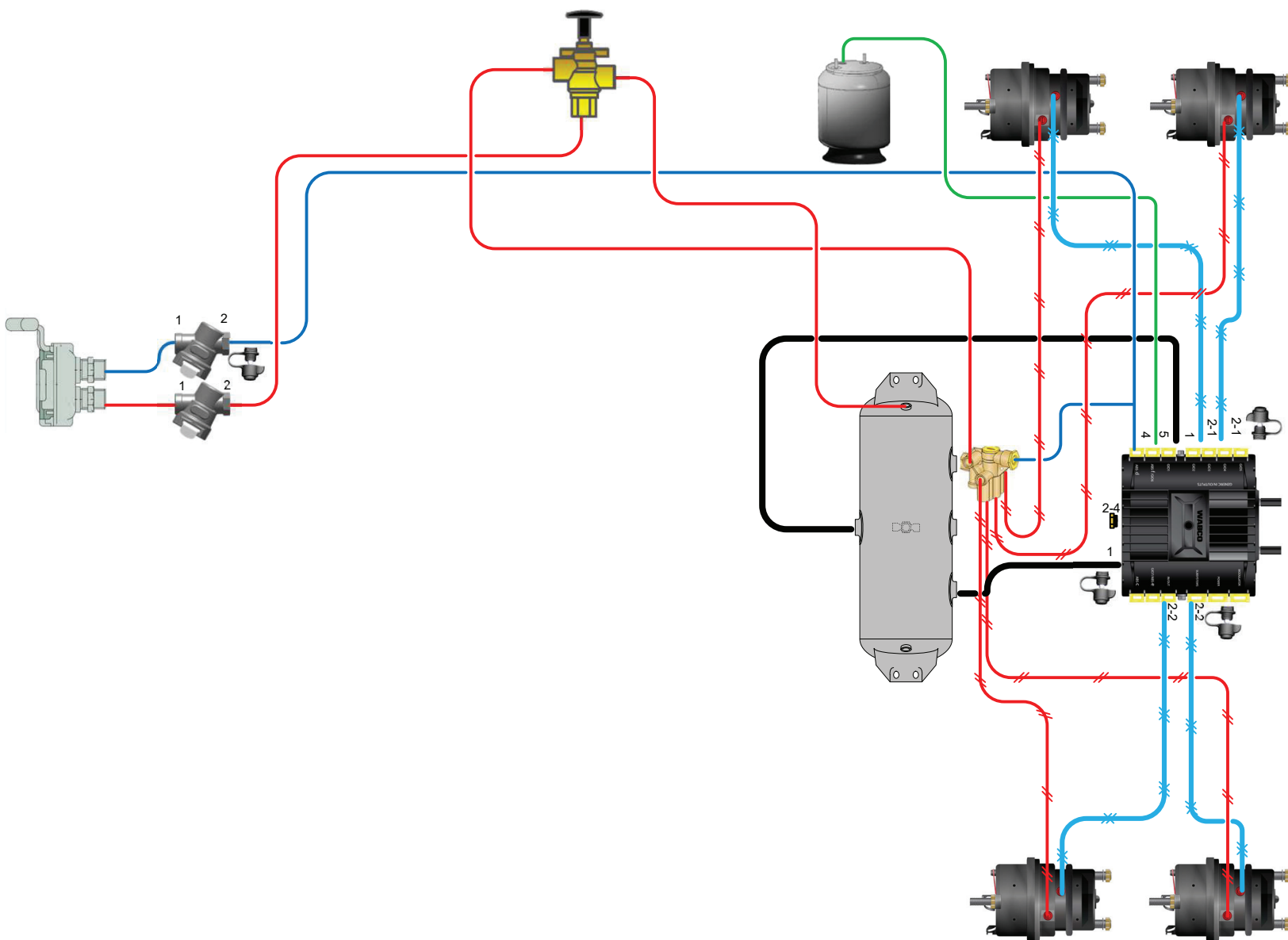




TWO AXLE SEMI, PREV

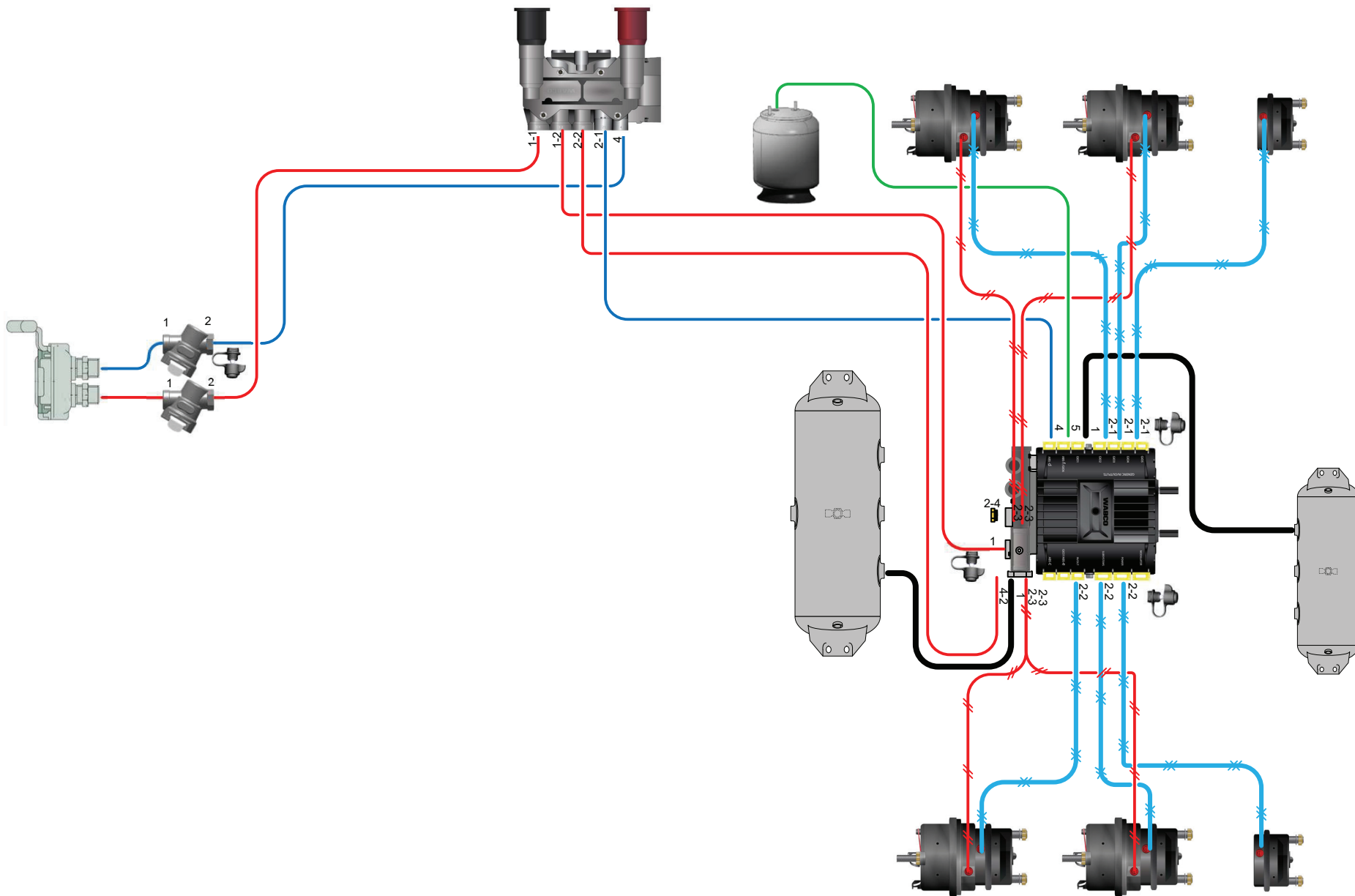






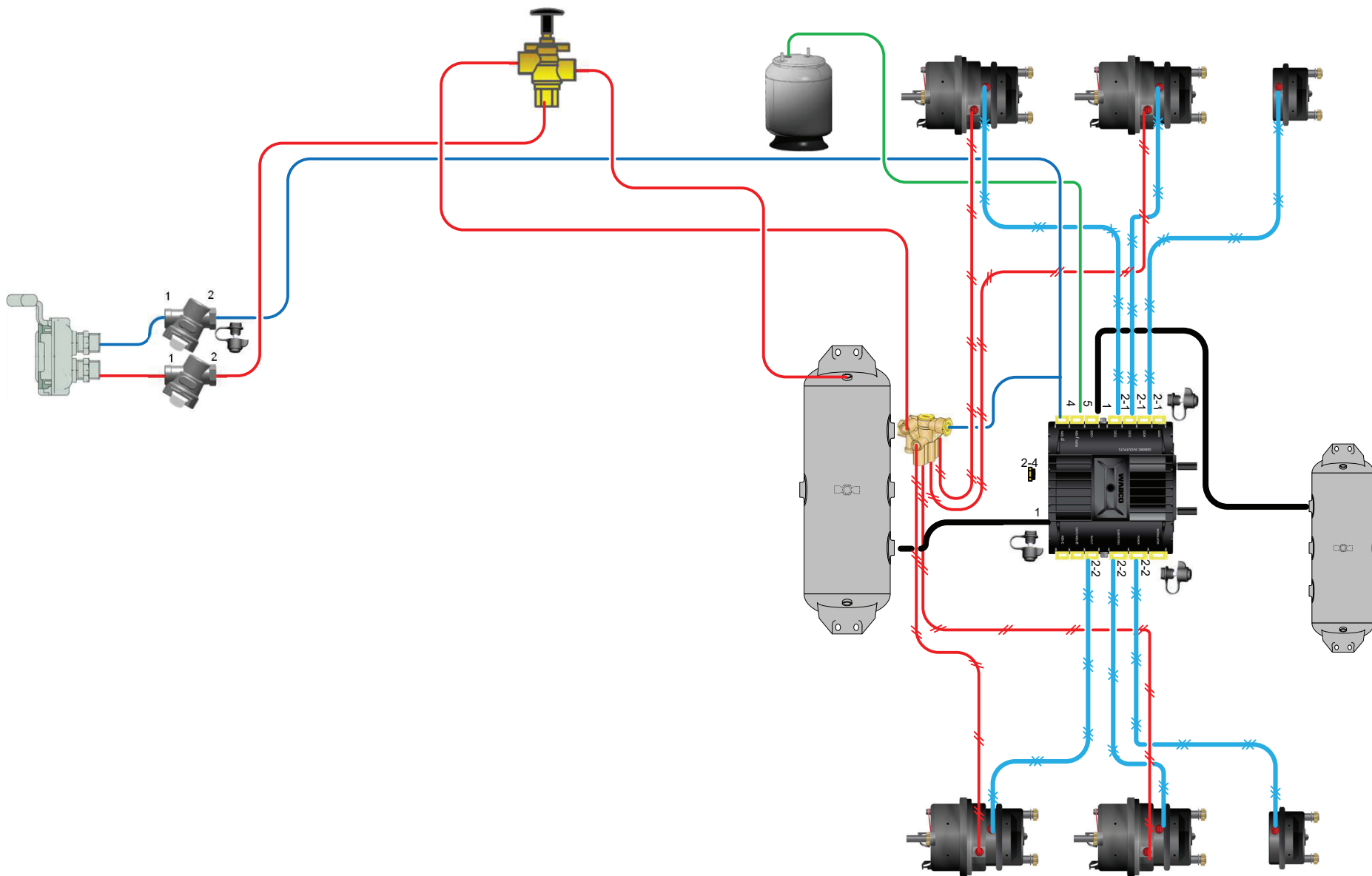
TWO AXLE SEMI, YARD RELEASE





THREE AXLE SEMI, PREV

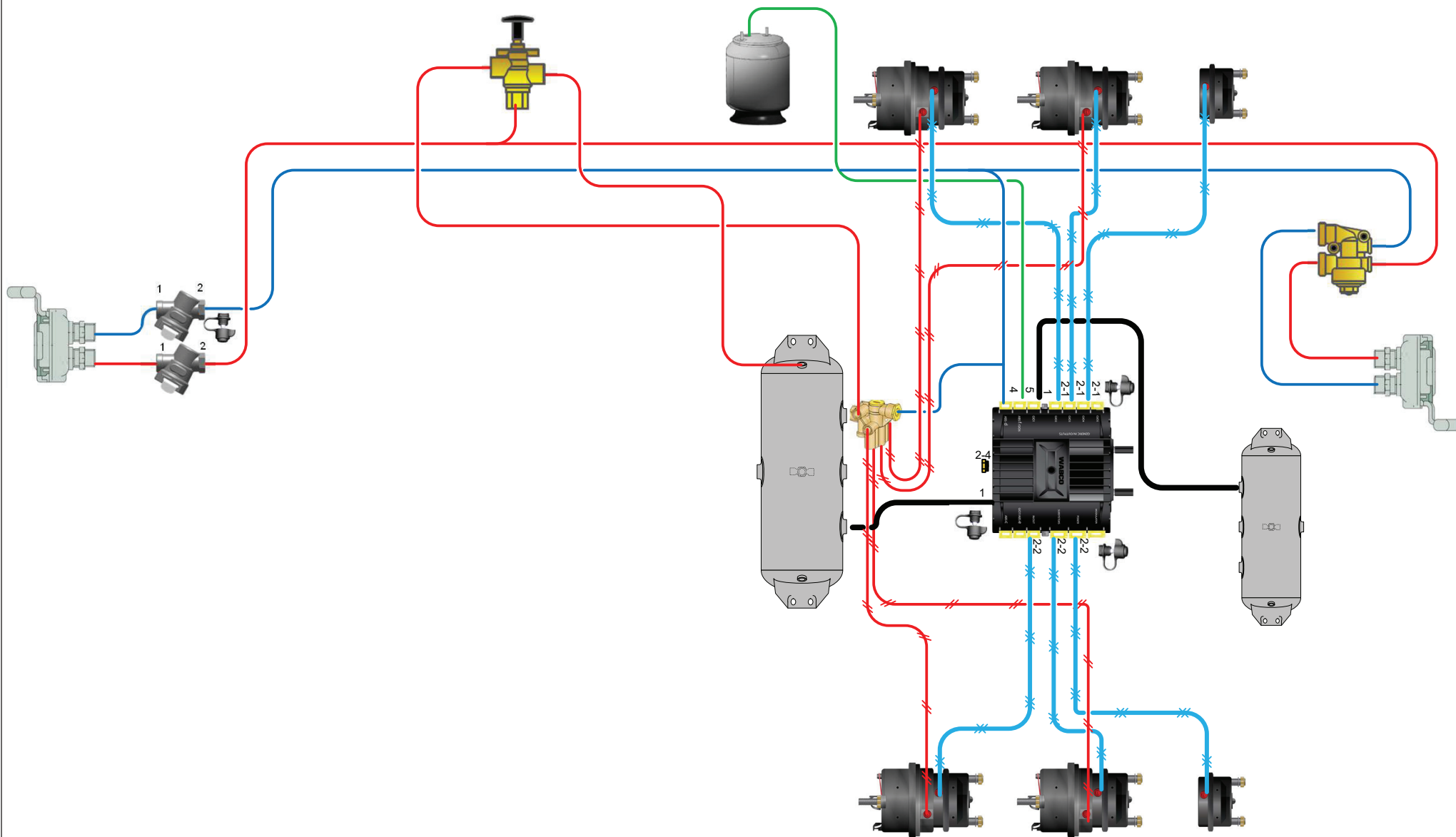




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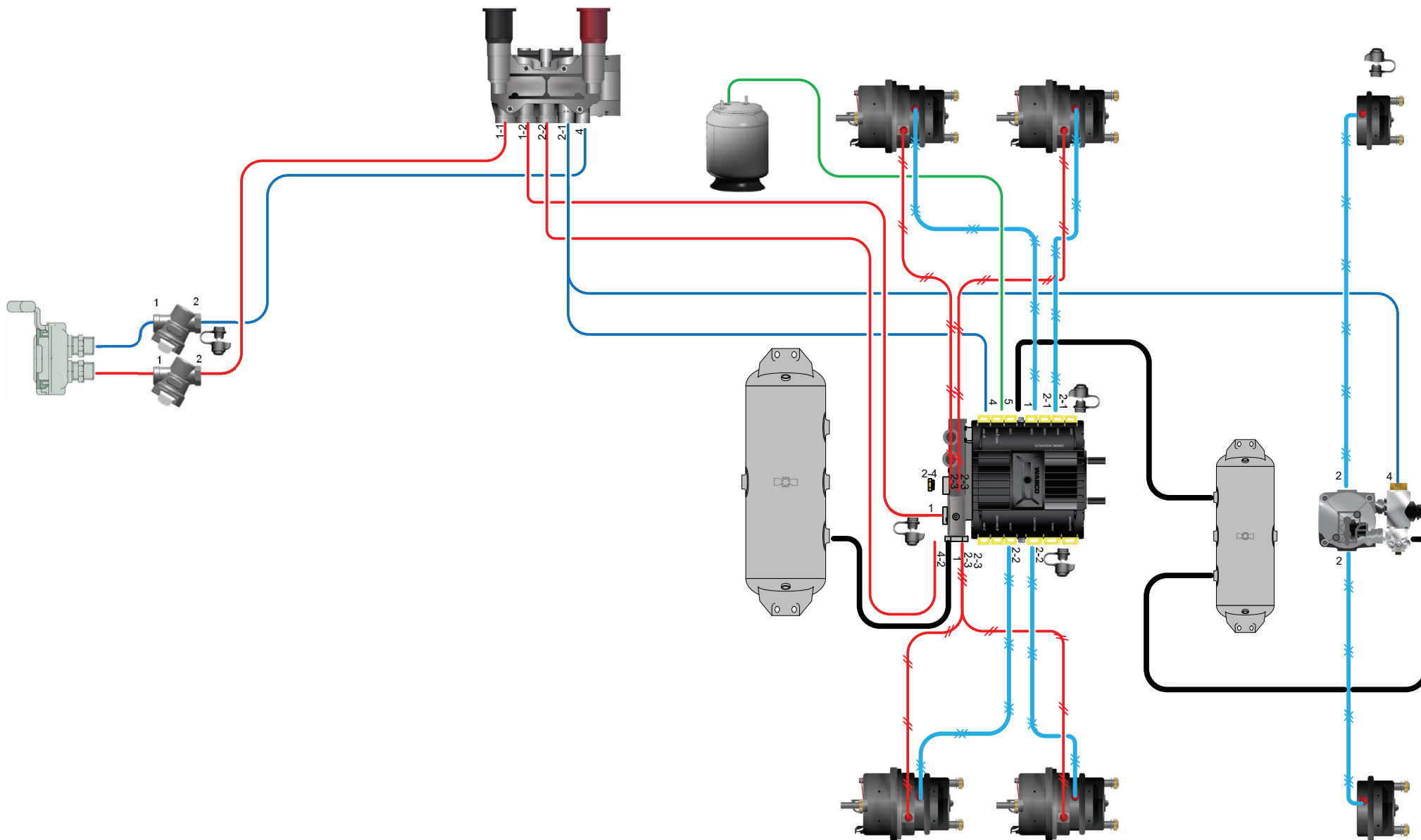






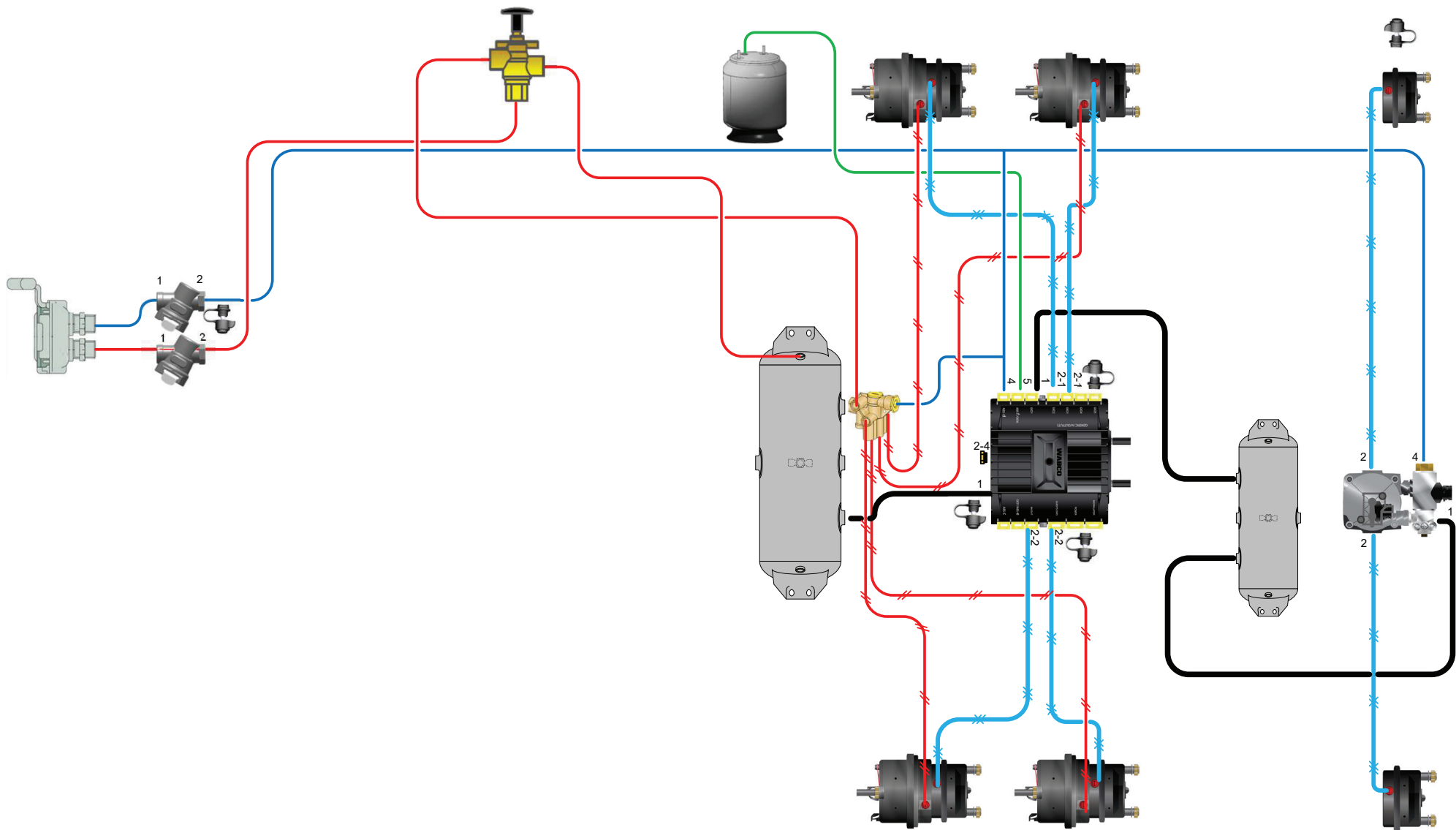
THREE AXLE SEMI, 'A' BTRAIN, YARD RELEASE





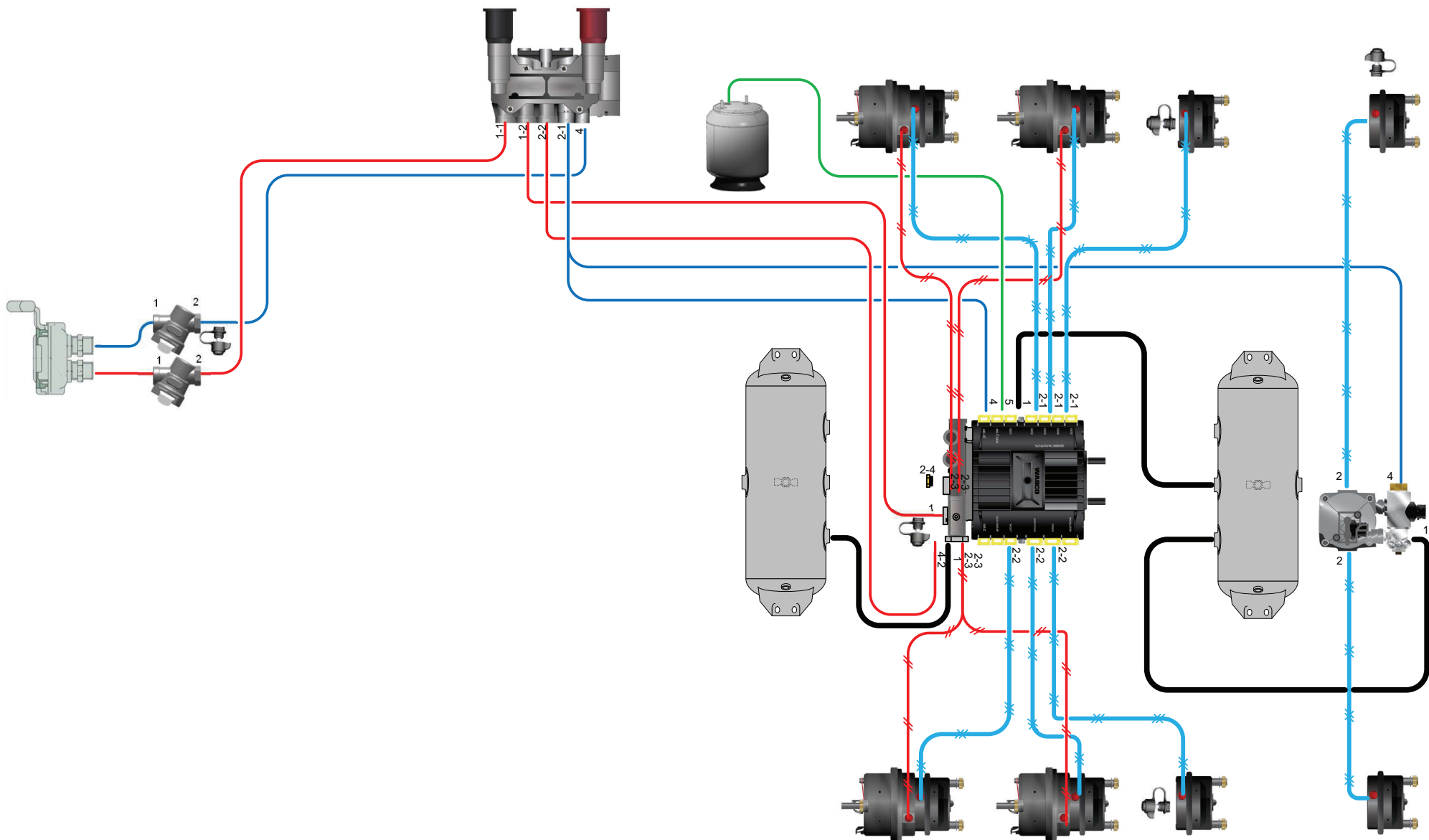
THREE AXLE SEMI STEER AXLE, PREV





THREE AXLE SEMI STEER AXLE, YARD RELEASE

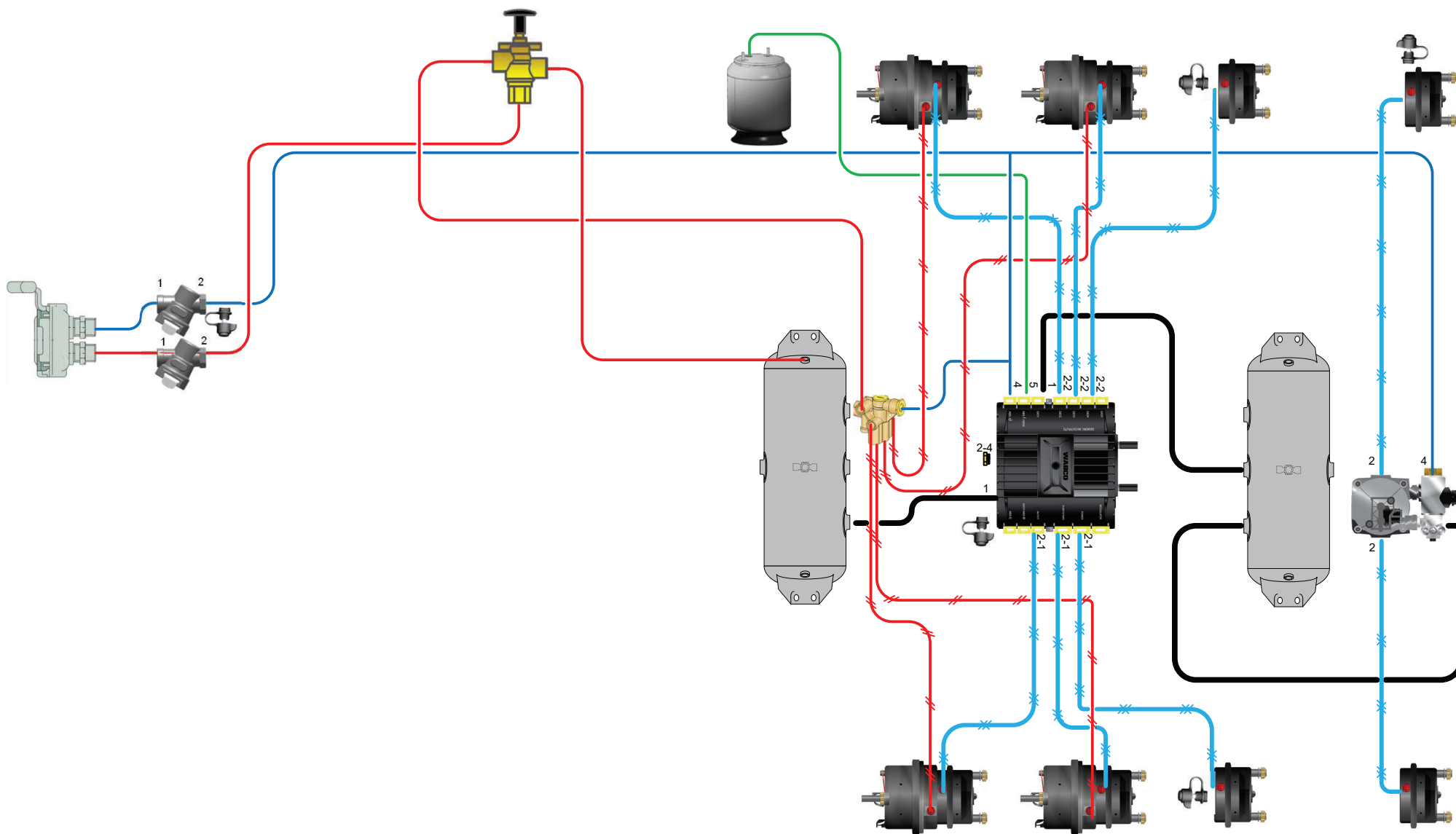




## FOUR AXLE SEMI STEER AXLE, PREV

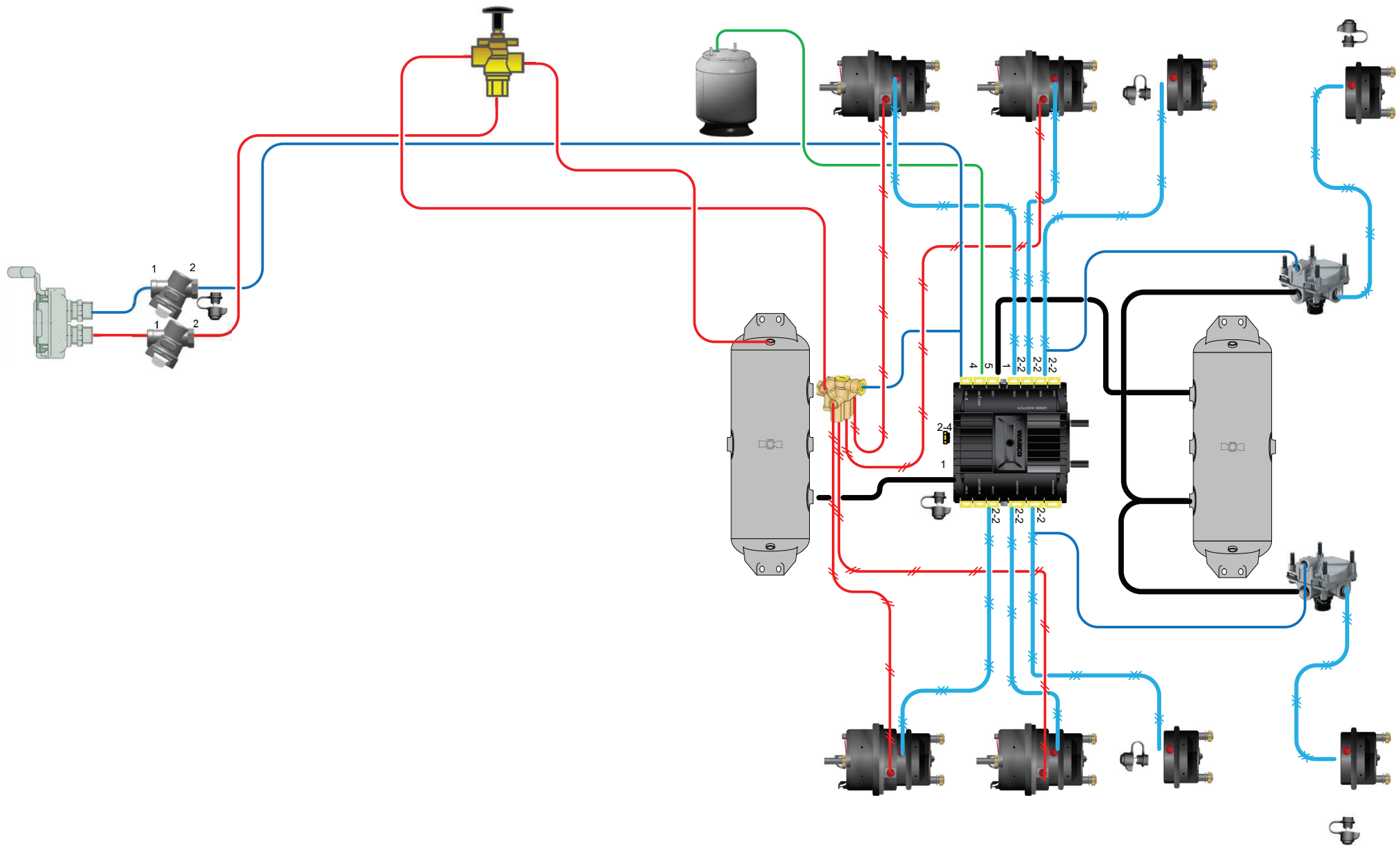






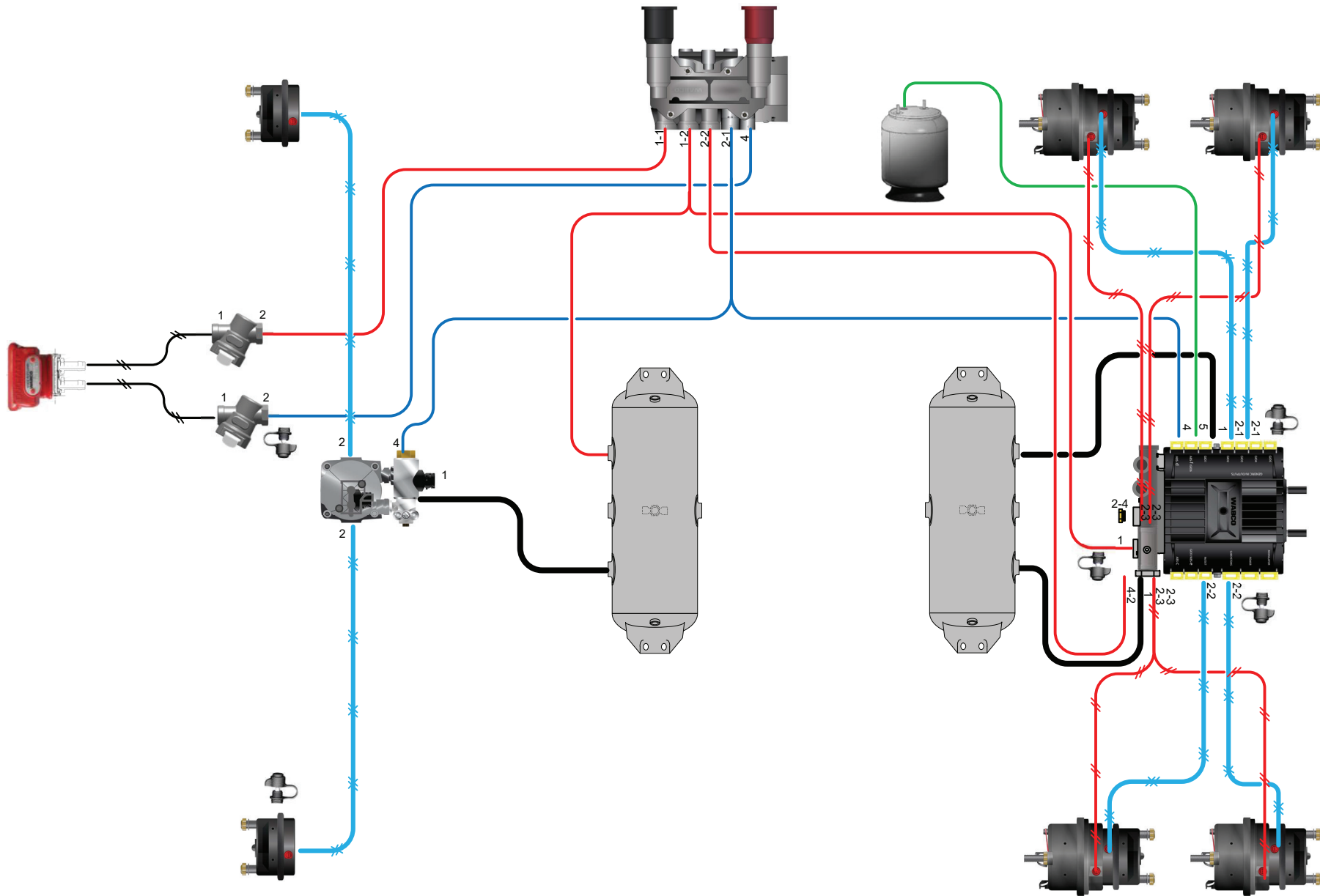
FOUR AXLE SEMI, STEER AXLE, YARD RELEASE





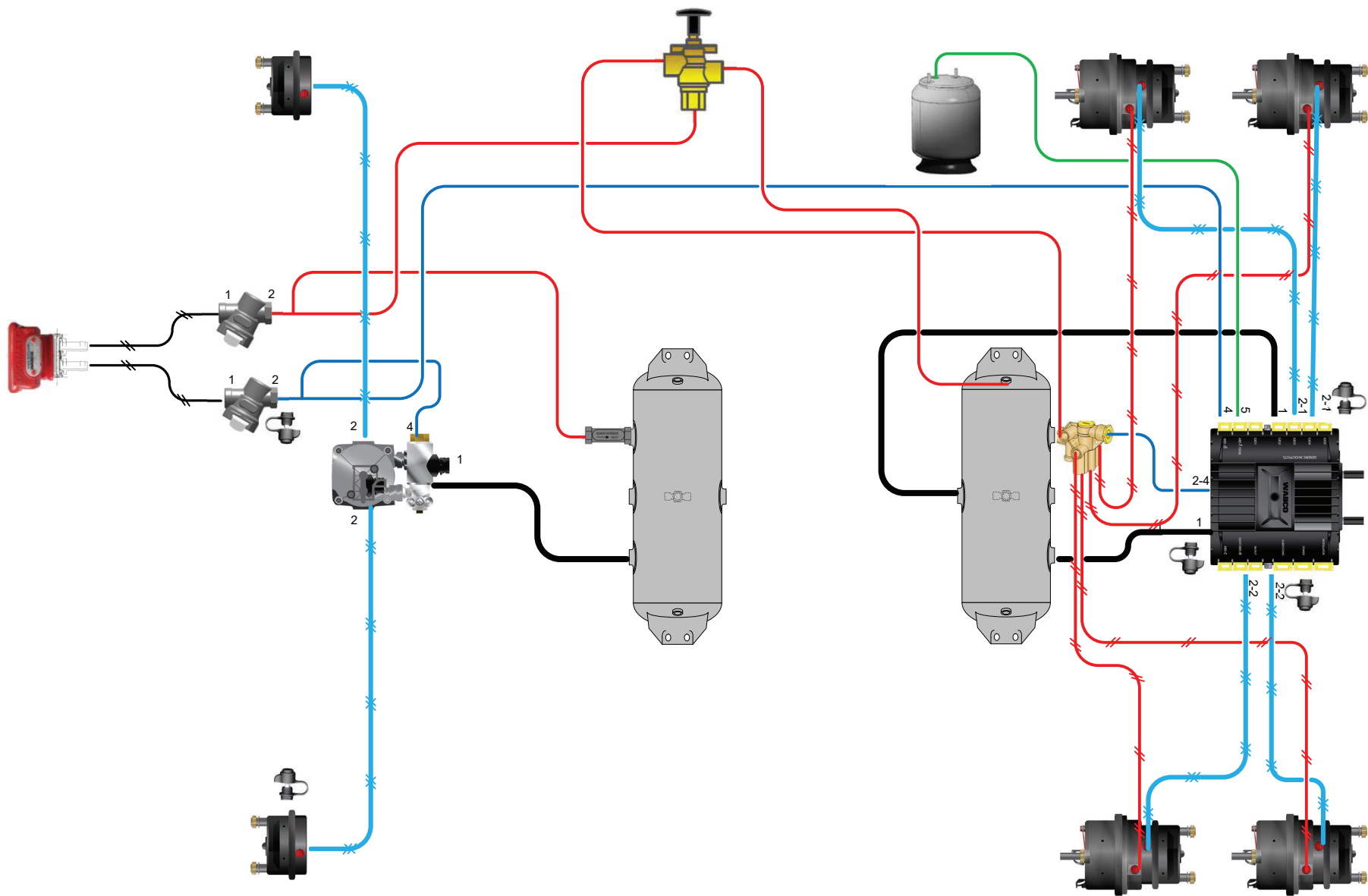
FOUR AXLE SEMI FIXED AXLE, YARD RELEASE





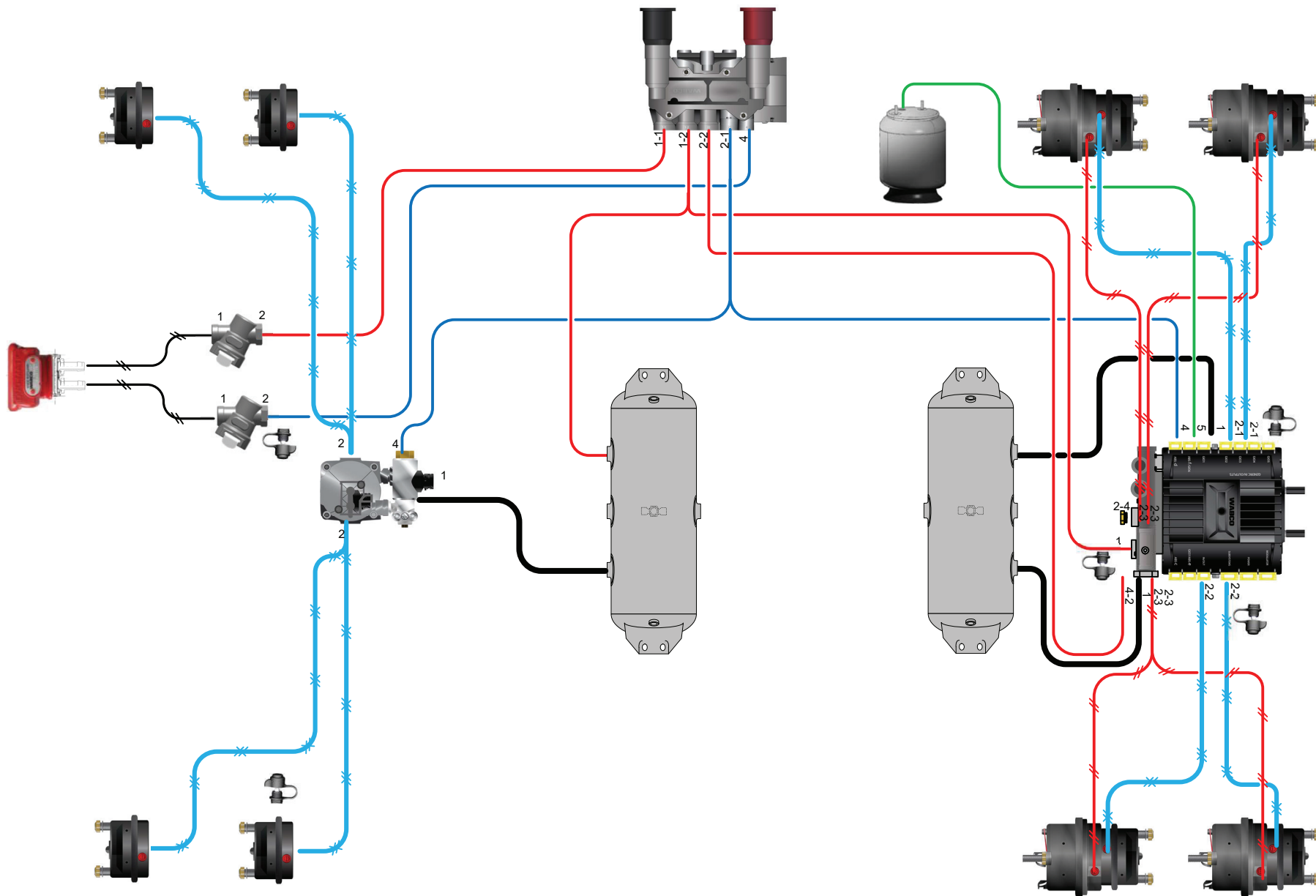
THREE AXLE FULL, PREV





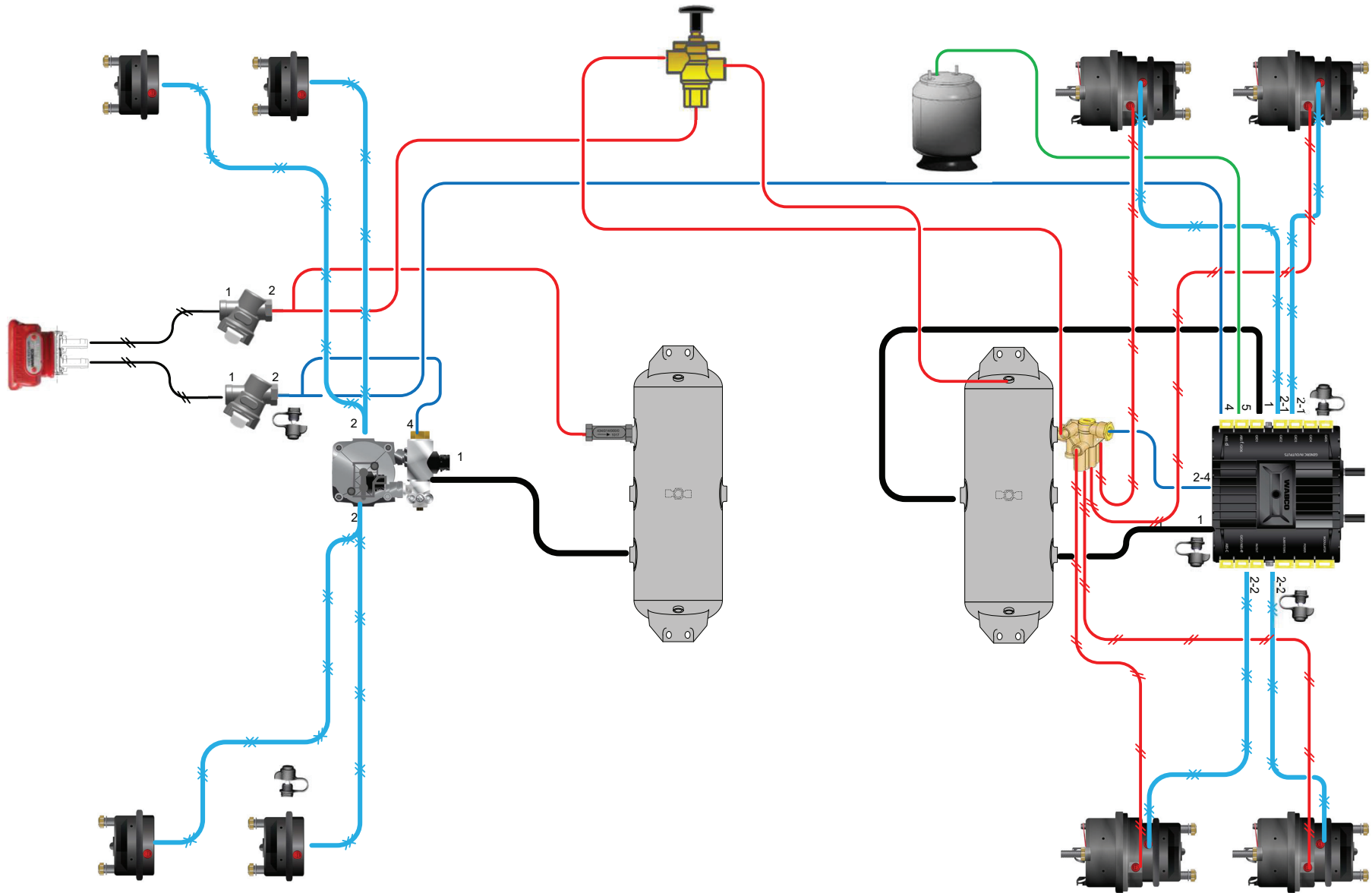
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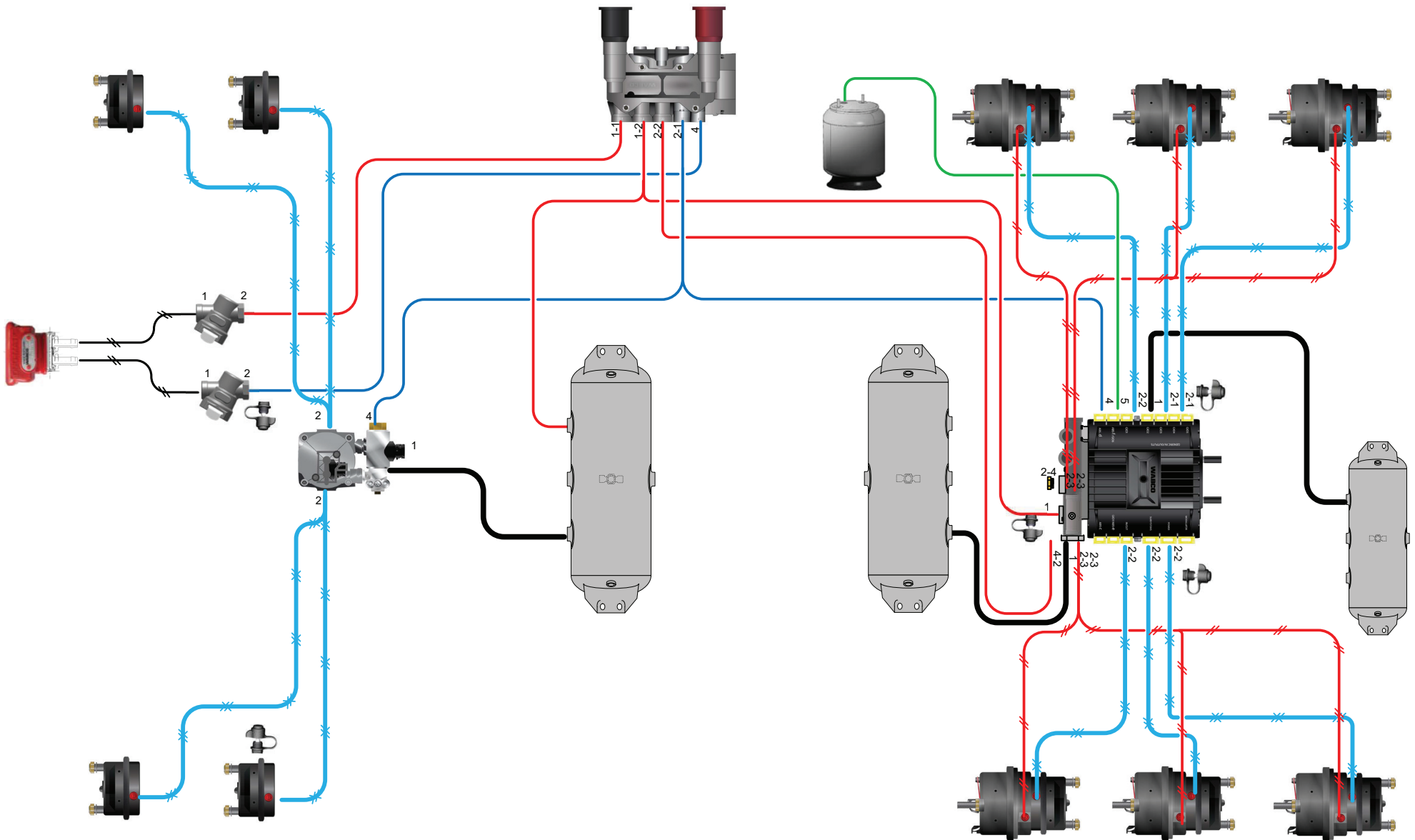
FOUR AXLE FULL, PREV





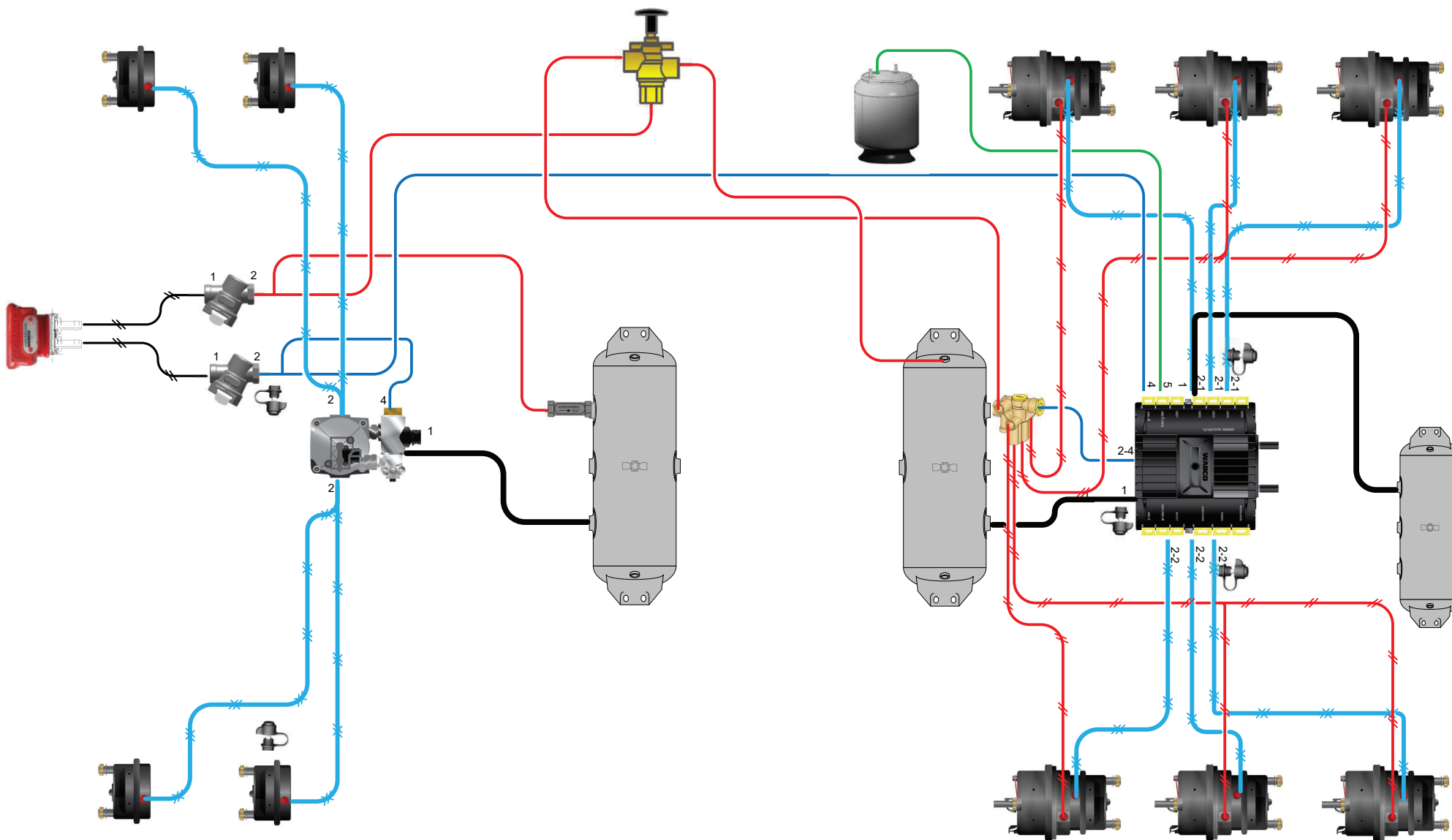
## FOUR AXLE FULL, YARD RELEASE





FIVE AXLE FULL, PREV





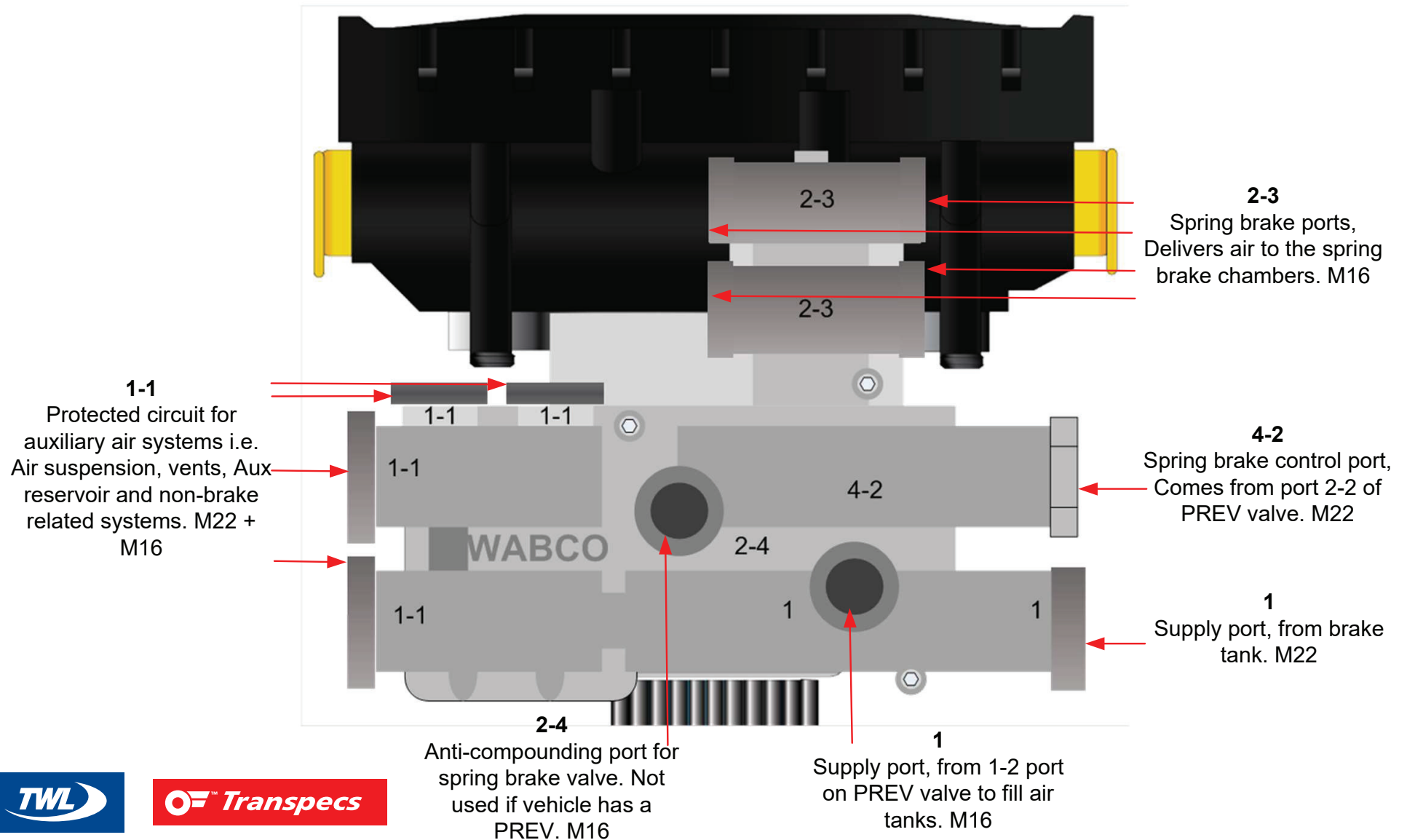
**FIVE AXLE FULL, YARD RELEASE**





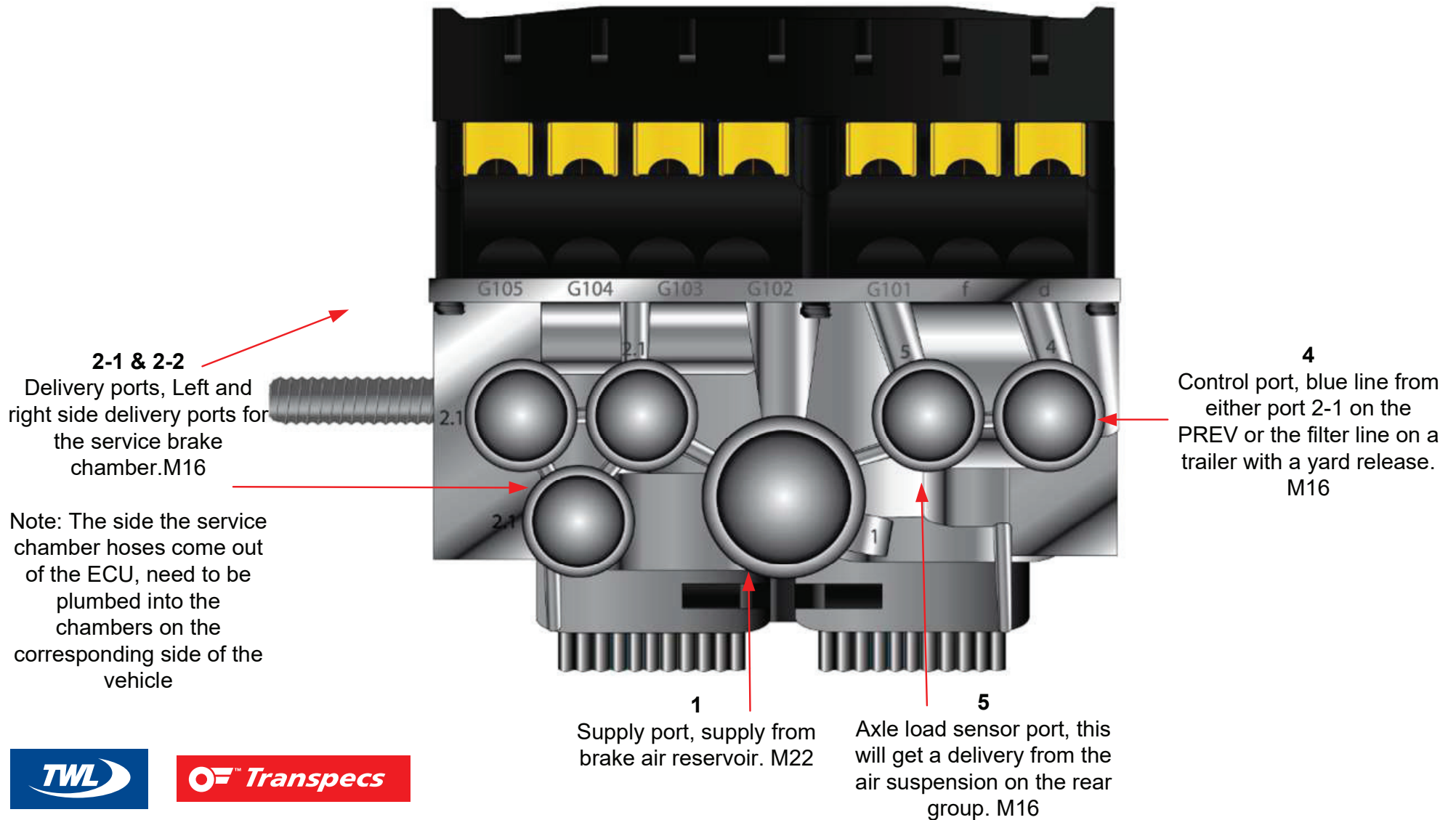
# WABCO EBS E port descriptions

## ECU front view

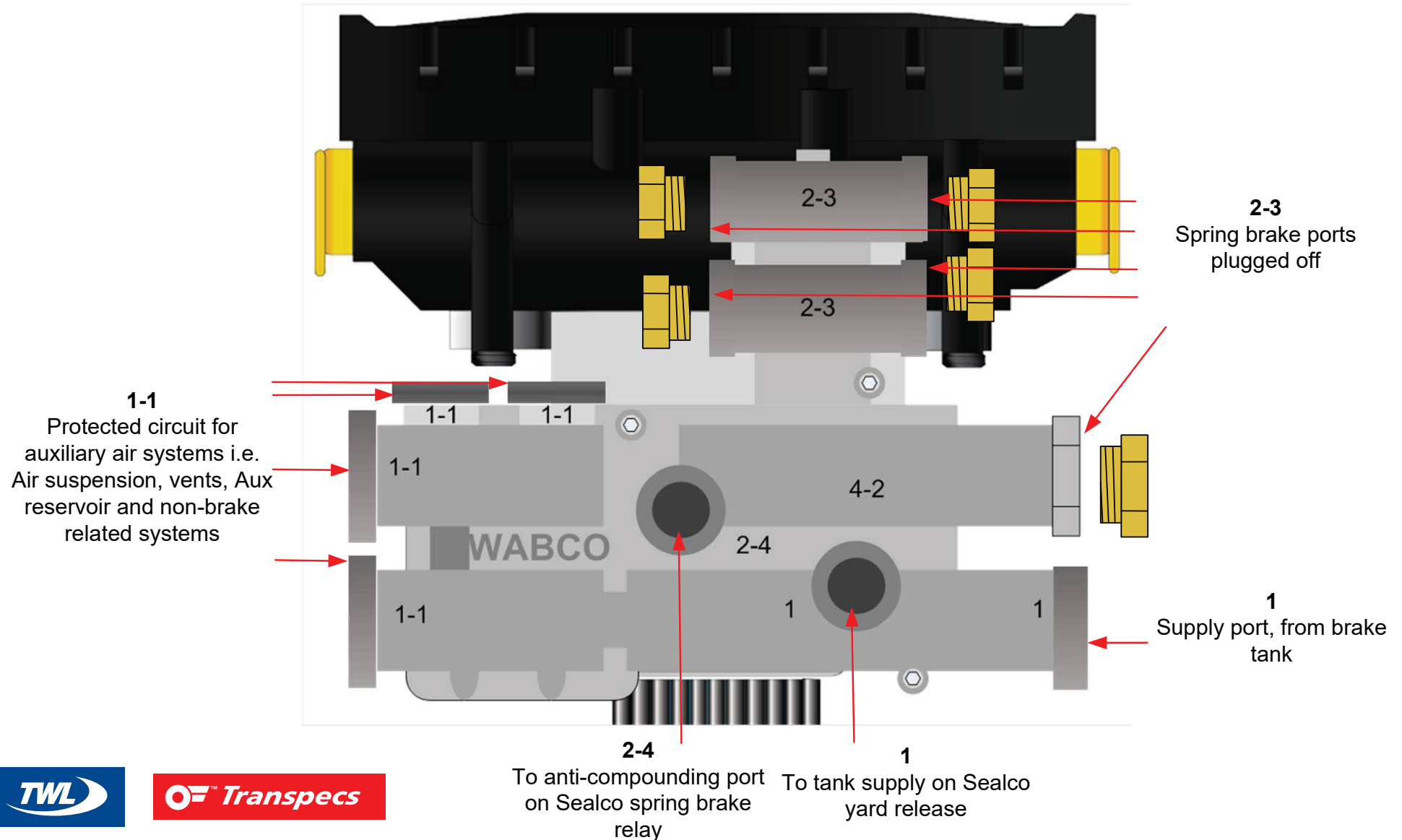


# WABCO EBS E port descriptions

## ECU front view



# Auxiliary supply option, Using Sealco spring brake relay



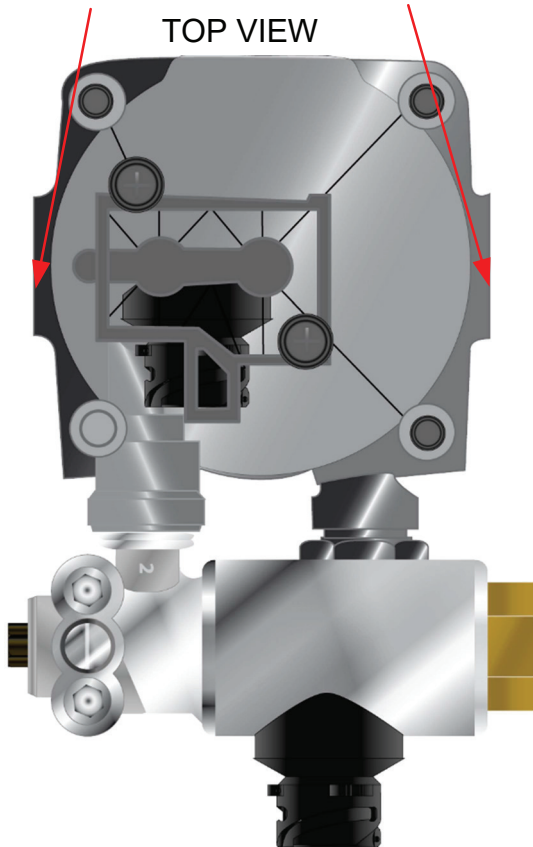
# WABCO EBS E port descriptions

## 3<sup>rd</sup> Modulator

2

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

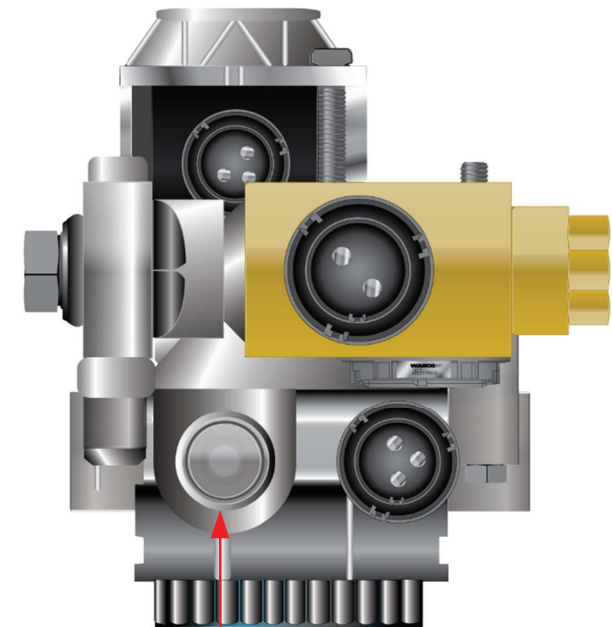
TOP VIEW



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)

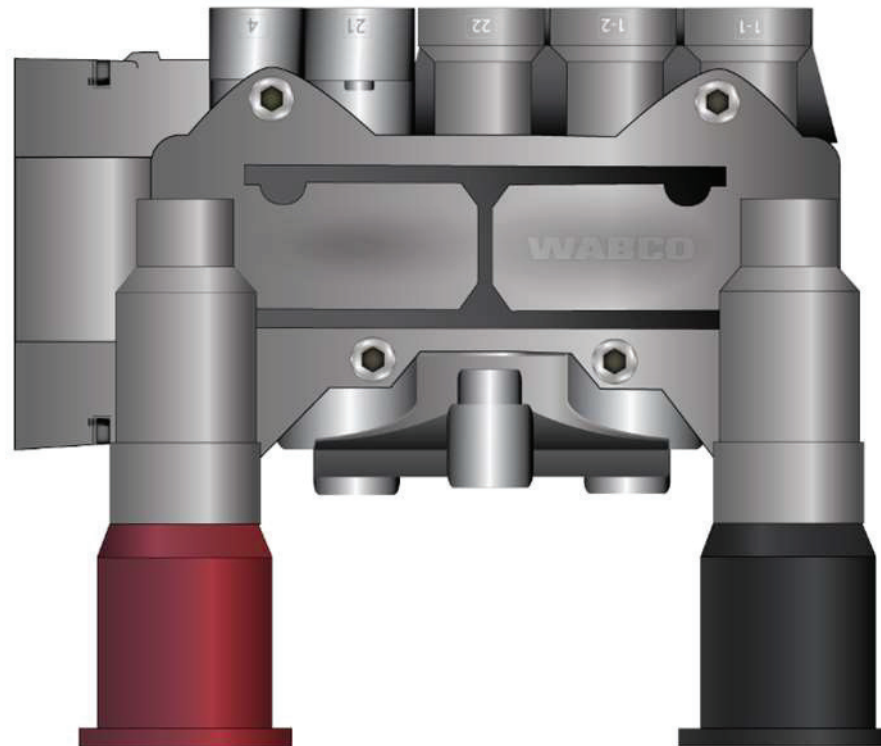
**4**  
Supply from the control  
line filter. M16

**22**  
Spring brake control.M16

**1-1**  
Supply from filter.M16

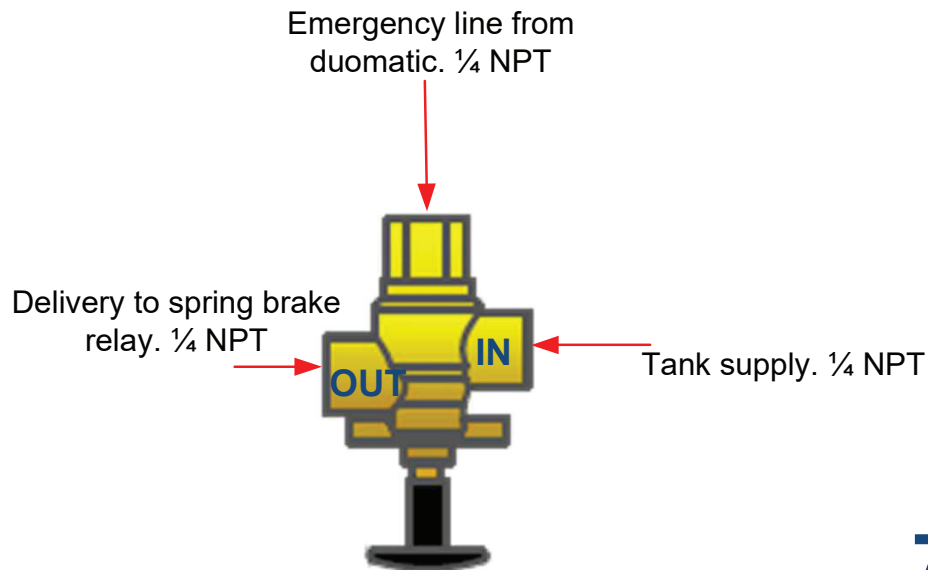
**21**  
Delivery for the brake  
control to the ECU and 3<sup>rd</sup>  
modulator. M16

**1-2**  
Air tank supply.M16

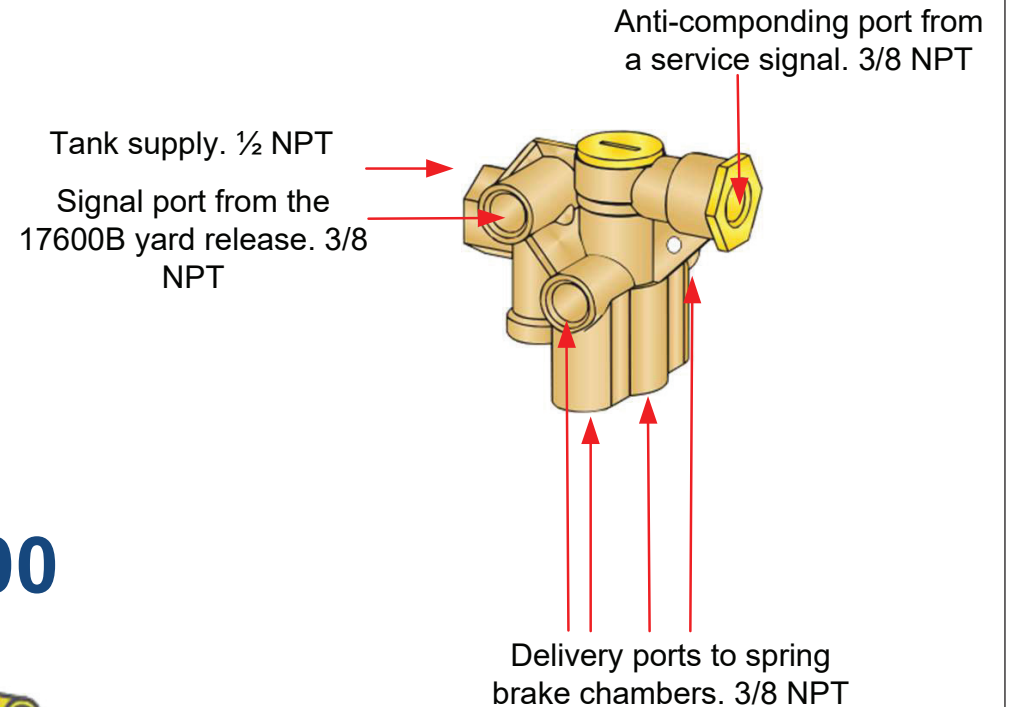


# SEALCO VALVE PORT DISCRIPTIONS

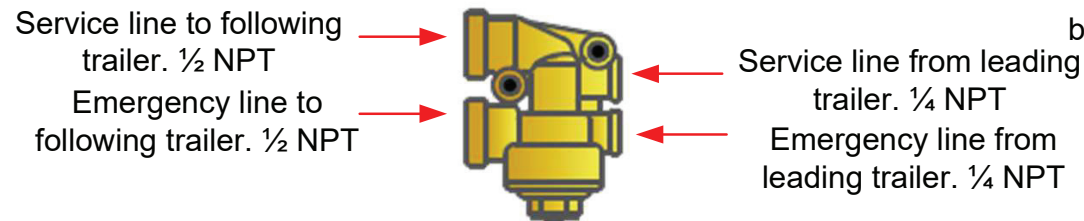
## 17600B



## 110701



## 7700



# Semi trailer electrical assignment



# Full trailer electrical assignment

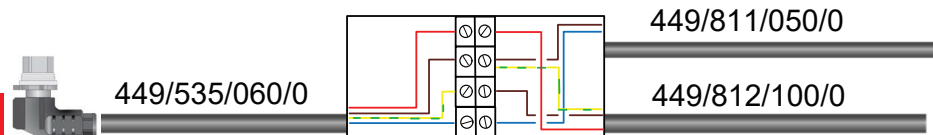




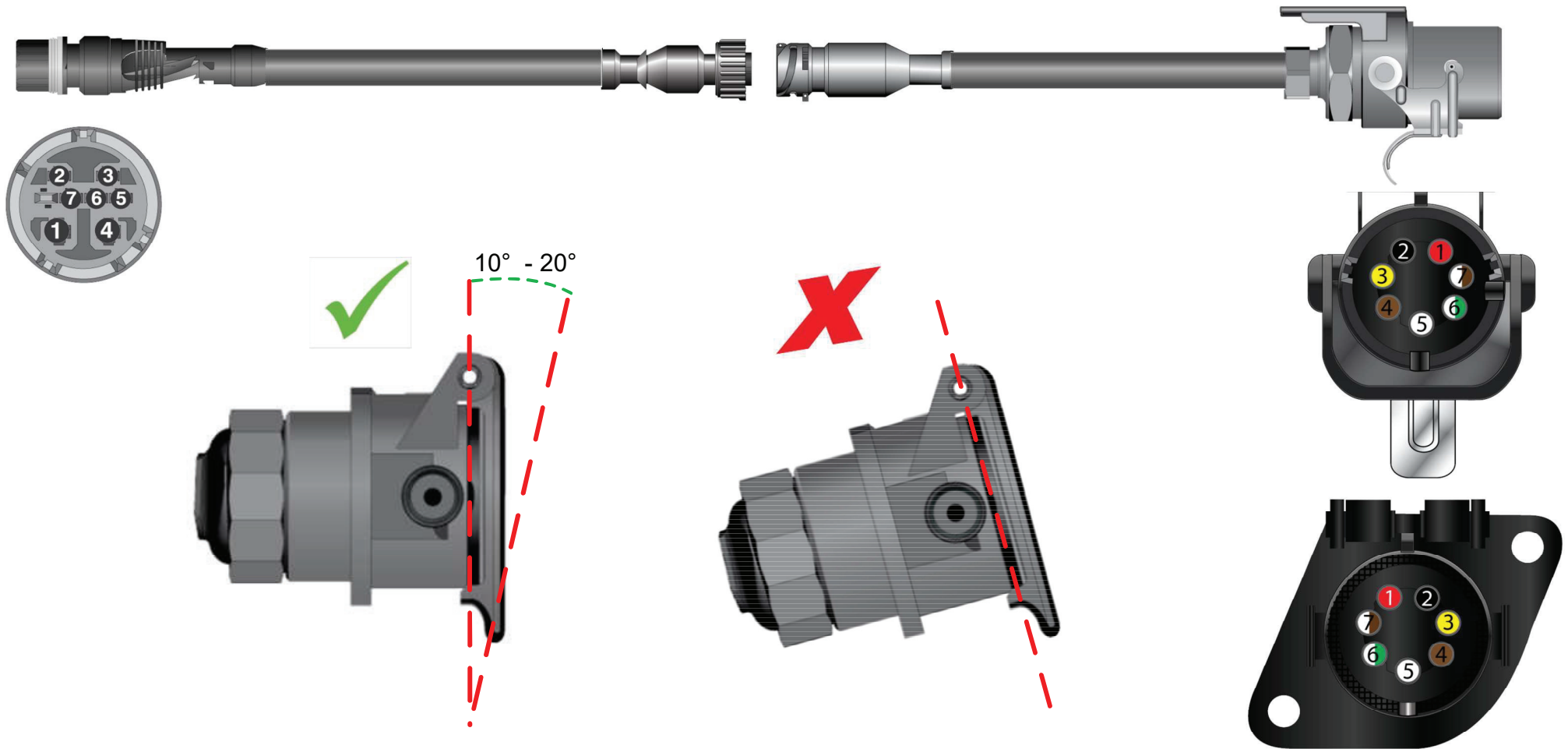
# Two point control suspension electrical assignment



Junction box GIO 1



# ISO 7638 plugs & sockets

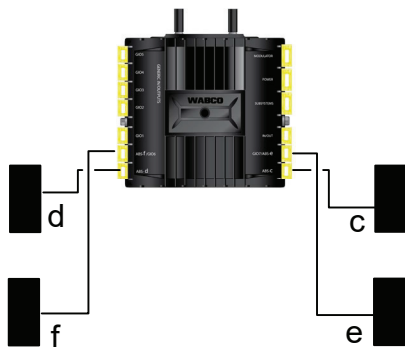
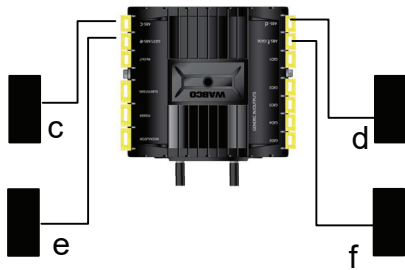


The ISO connector should not be installed parallel to the longitudinal axis of the vehicle but slightly inclined downwards, this will ensure any water that gets into the socket will drain away preventing corrosion.



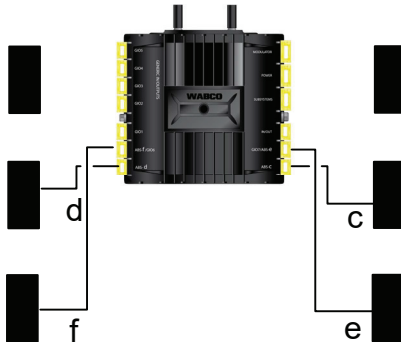
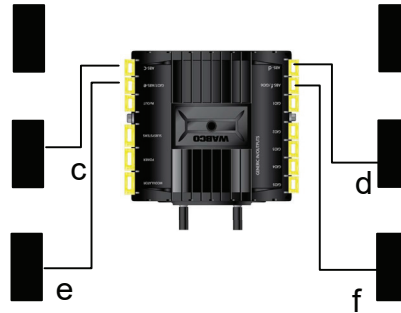
# Wheel speed sensor location semi

2 Axle



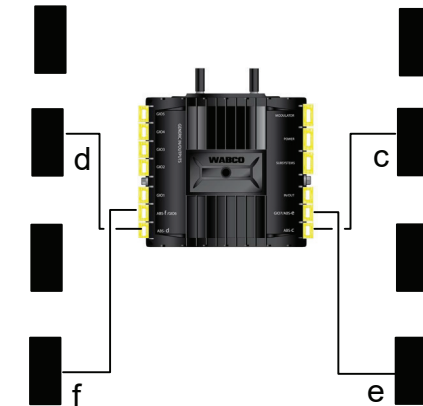
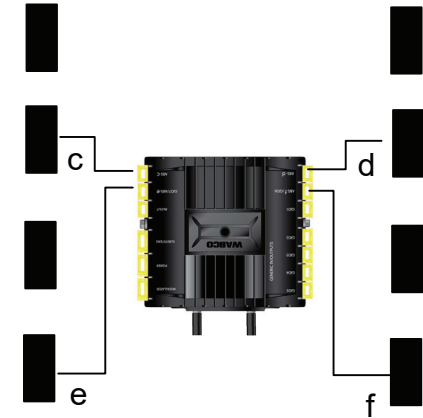
Driving direction

3 Axle

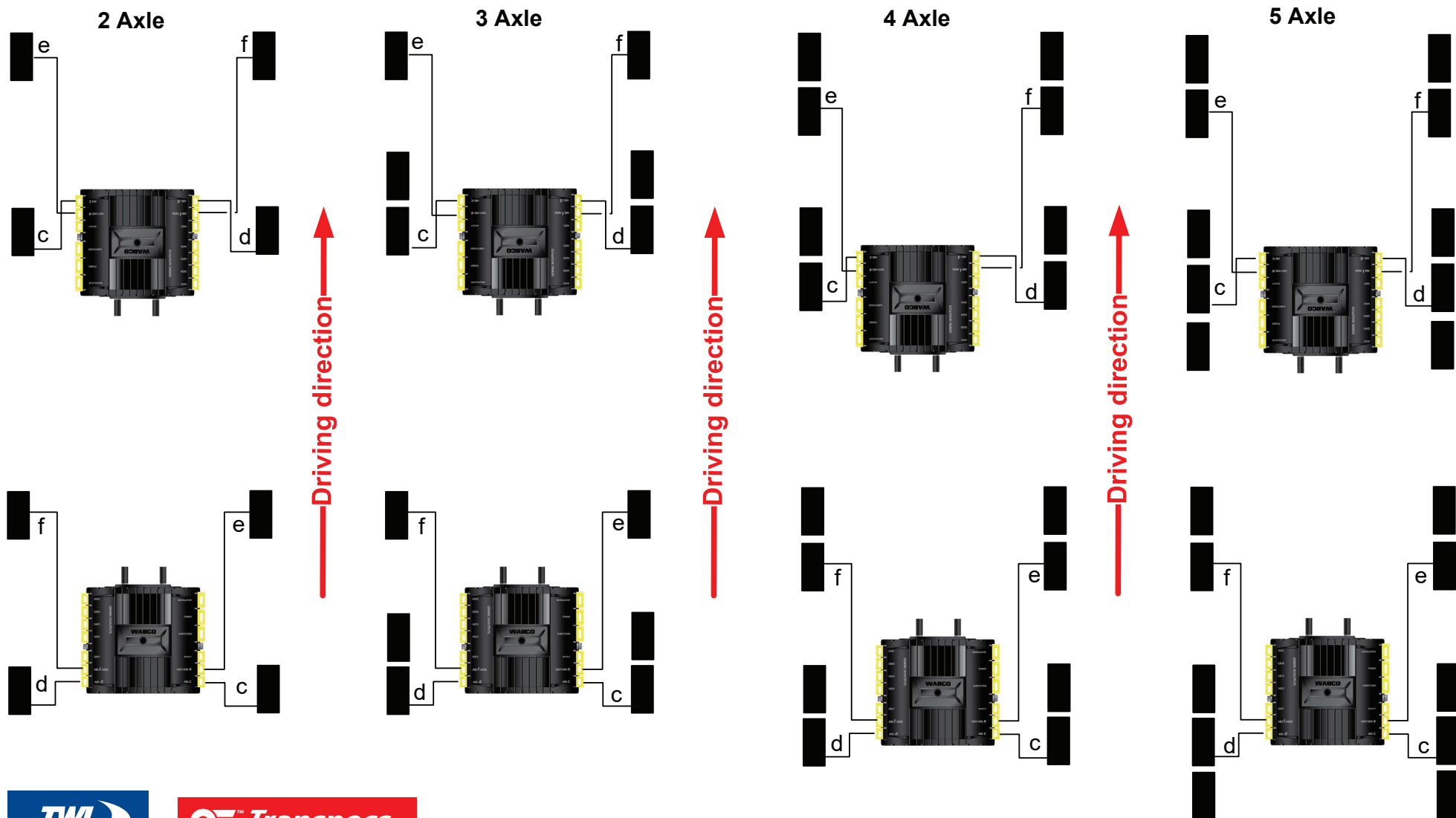


Driving direction

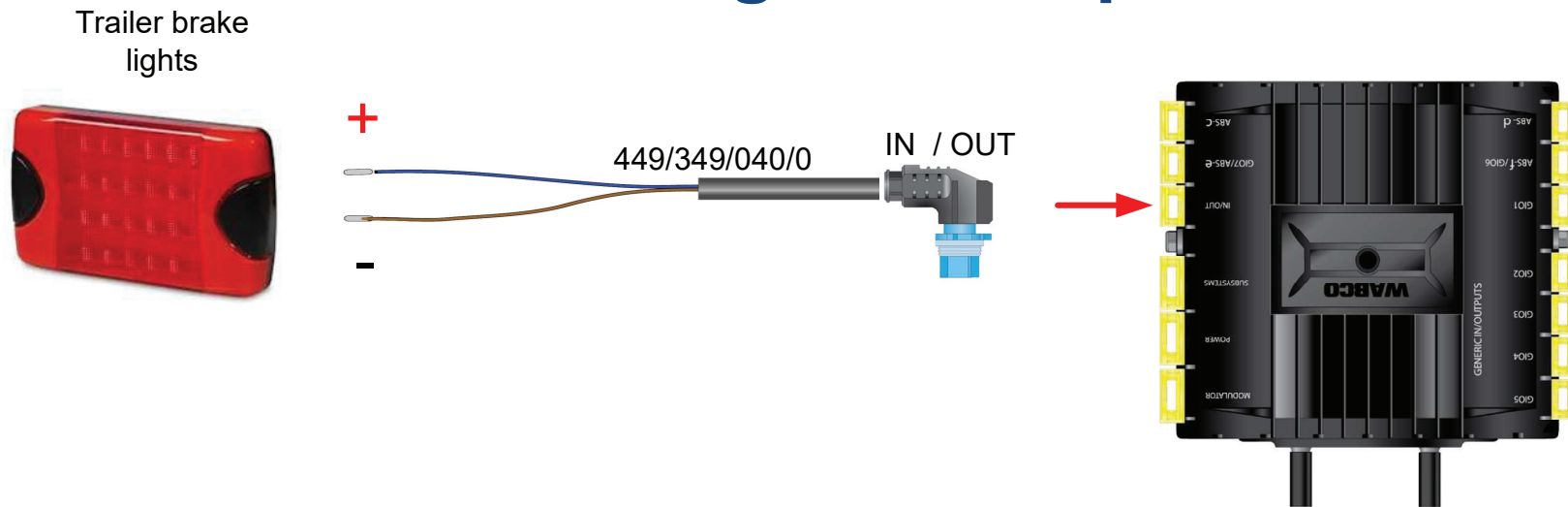
4 Axle



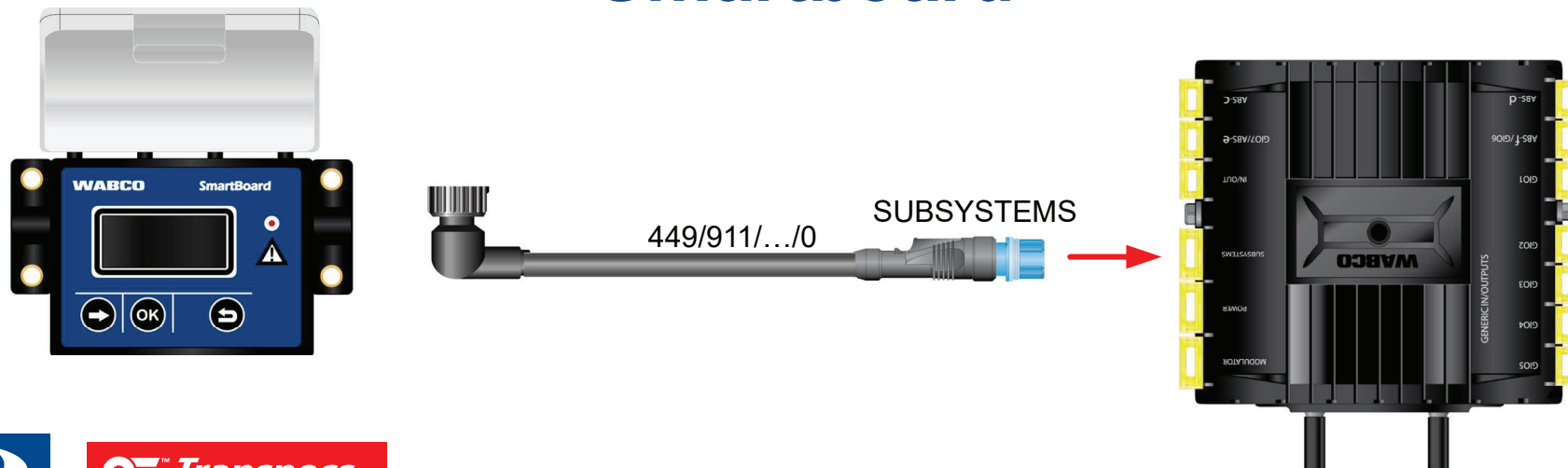
# Wheel speed sensor location full



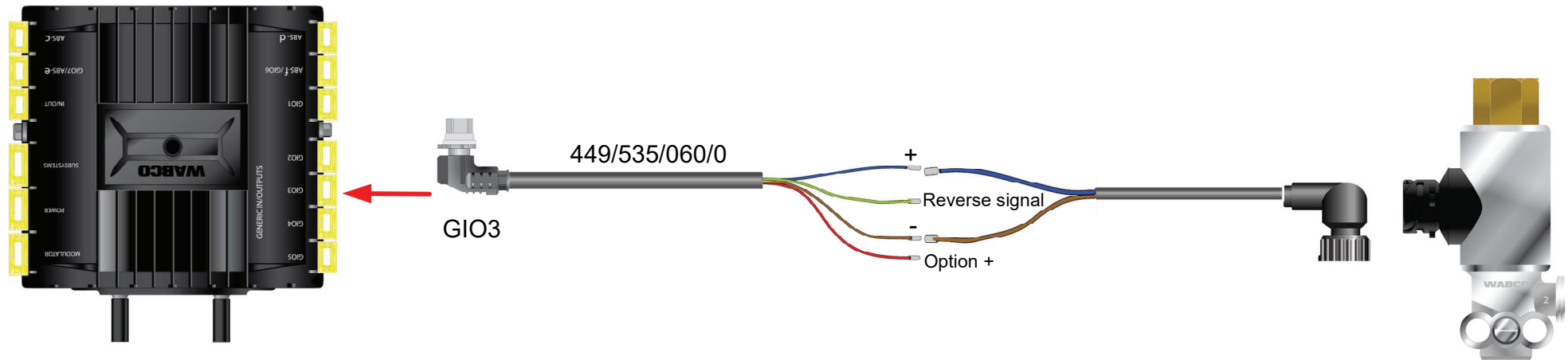
# Brake light backup



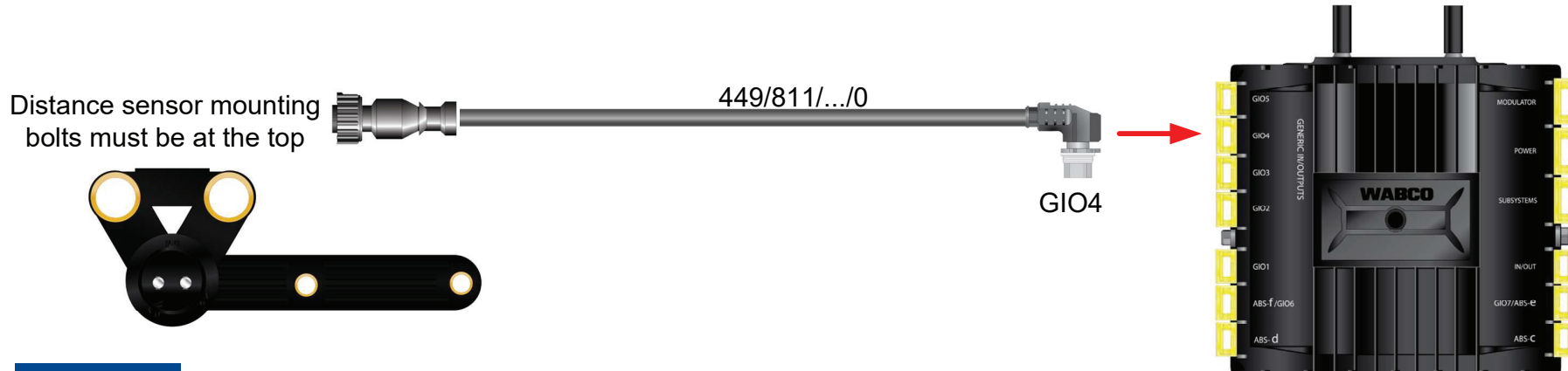
# Smartboard



## Steer axle lock



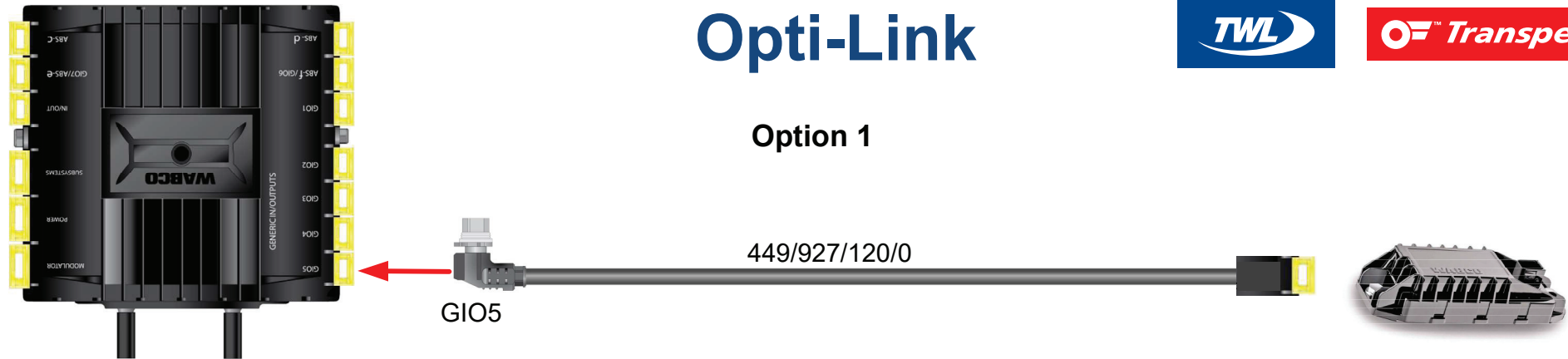
## Electronic distance sensor



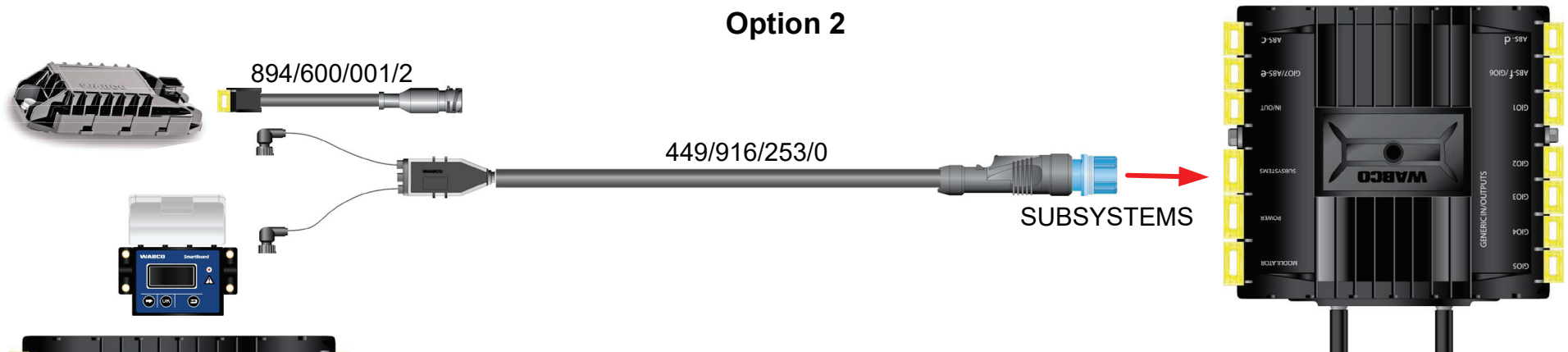
# Opti-Link



## Option 1



## Option 2



## Option 3

