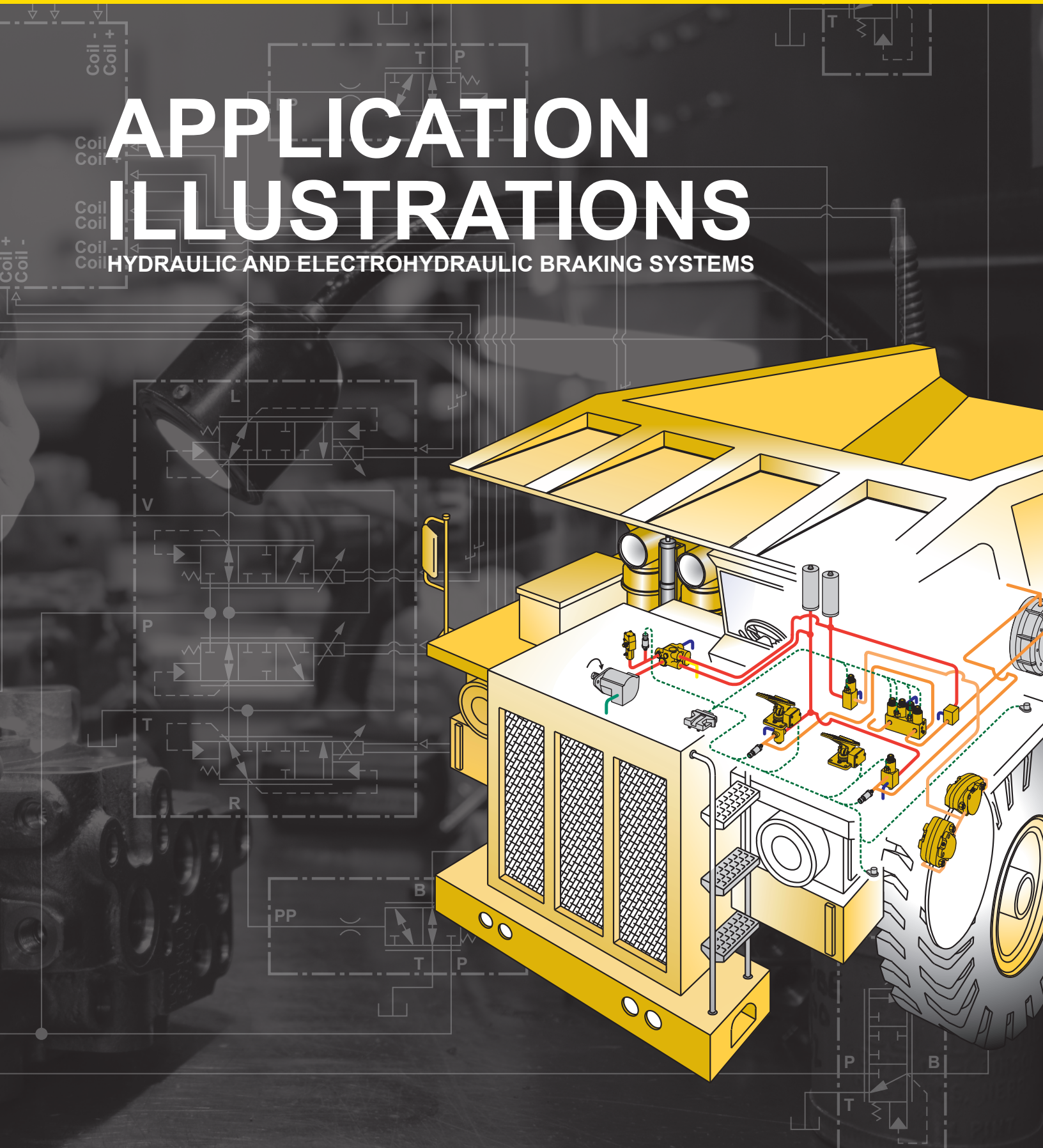


MICO®

APPLICATION ILLUSTRATIONS

HYDRAULIC AND ELECTROHYDRAULIC BRAKING SYSTEMS



The intended purpose of this catalog is to provide an understanding of how MICO components can be used in hydraulic and electrohydraulic brake systems. The systems and components shown in the illustrations and schematics may not be exact representations of actual machines.

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Hydraulic Components and Brake Systems

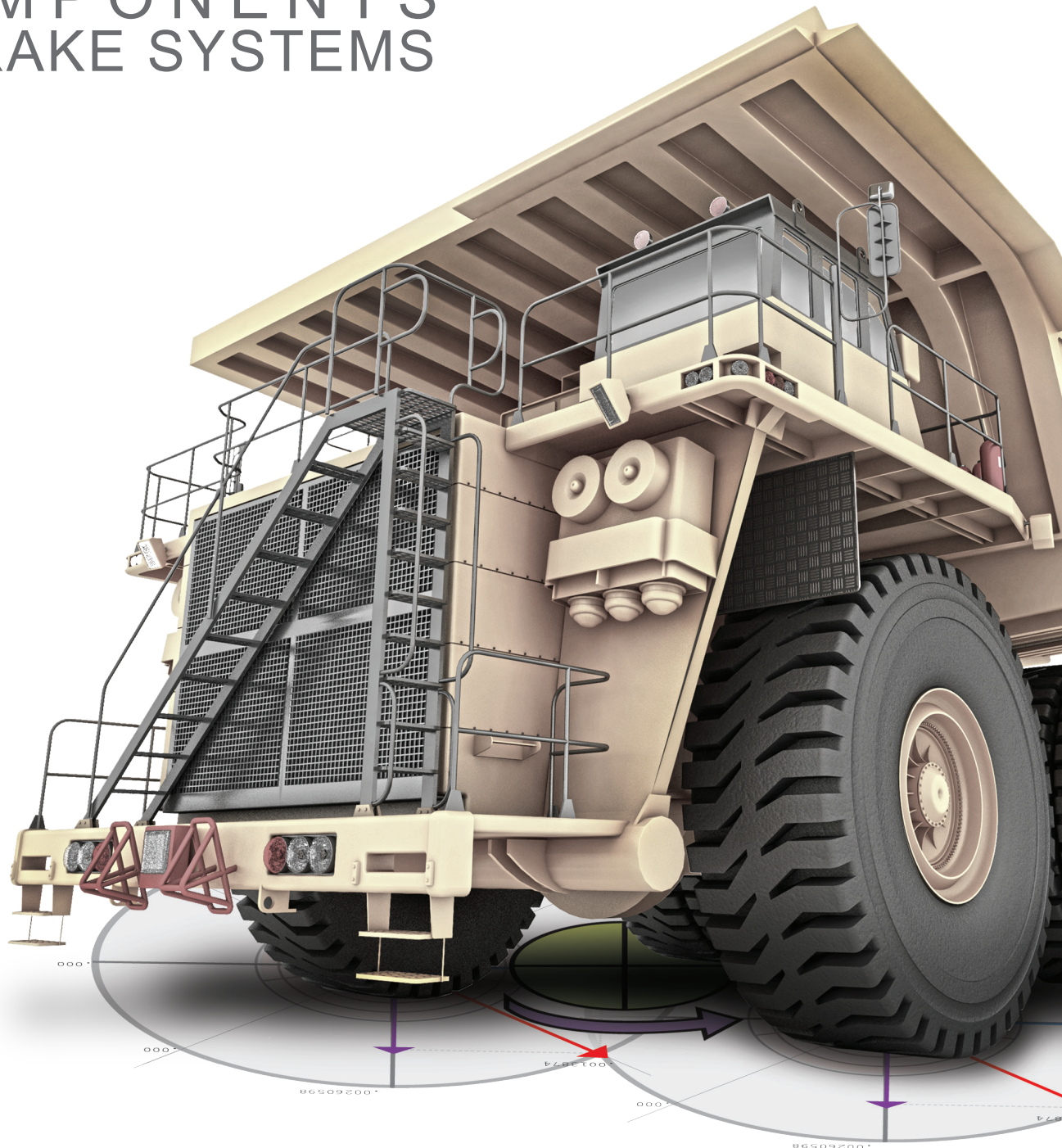
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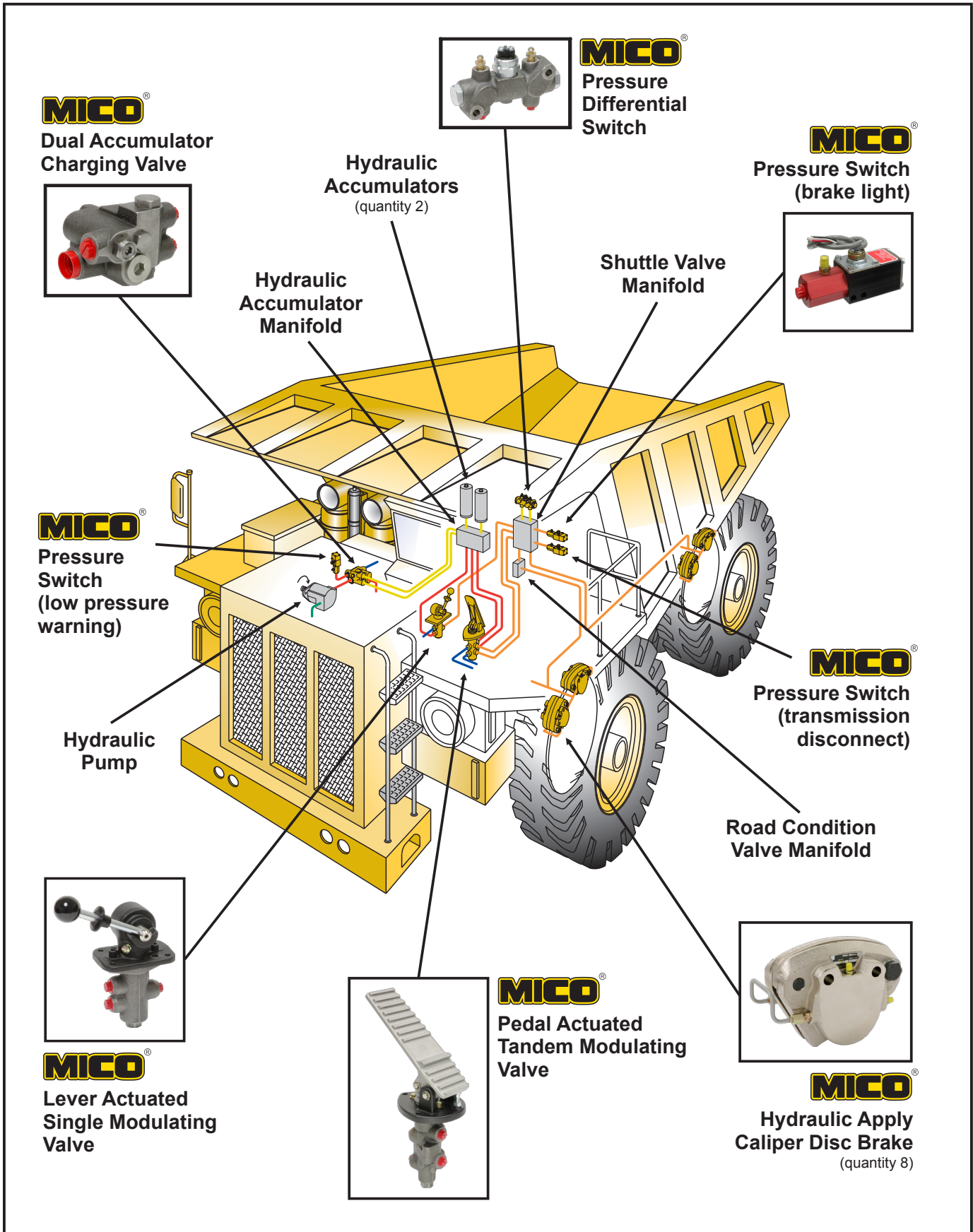
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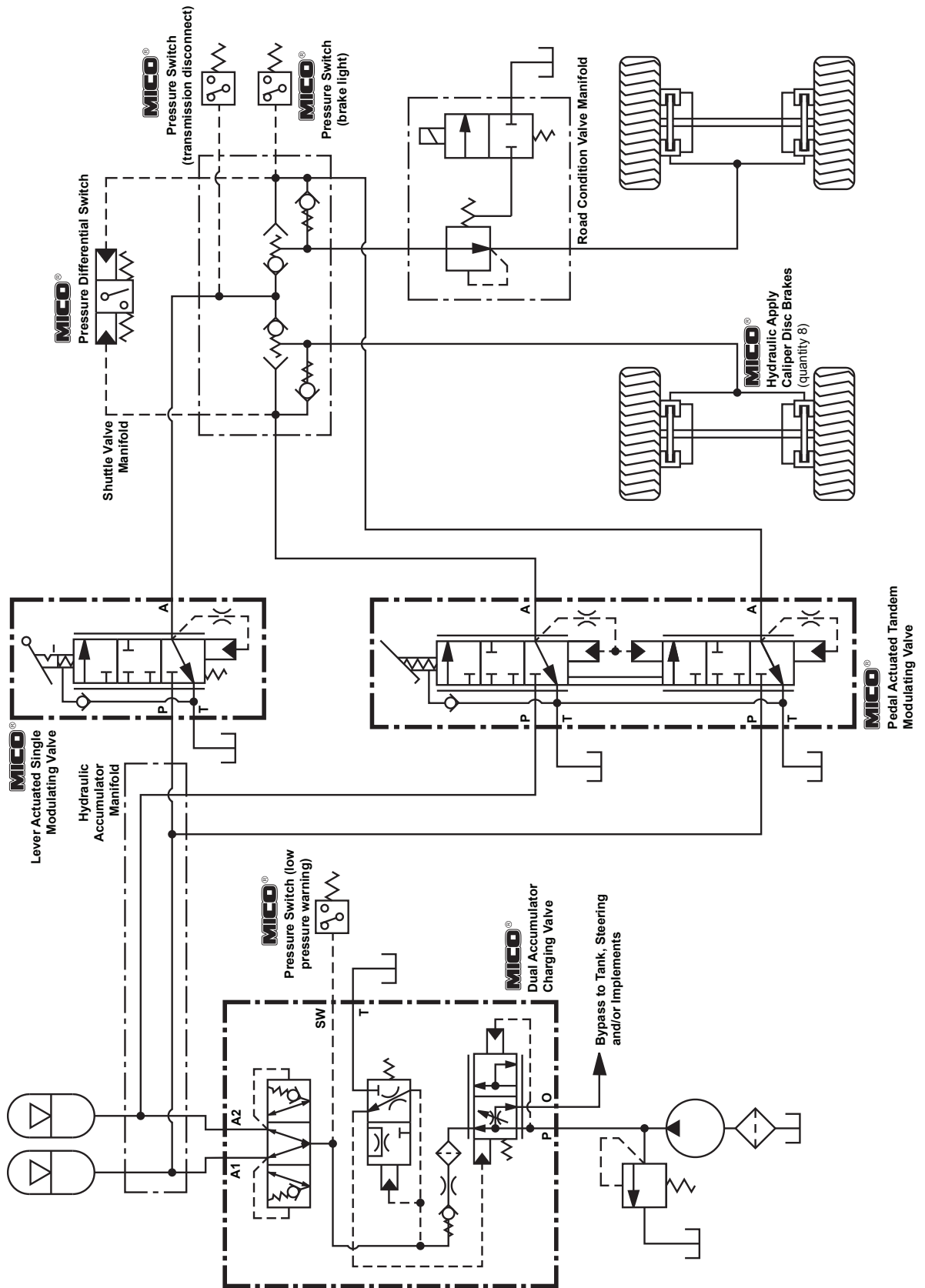
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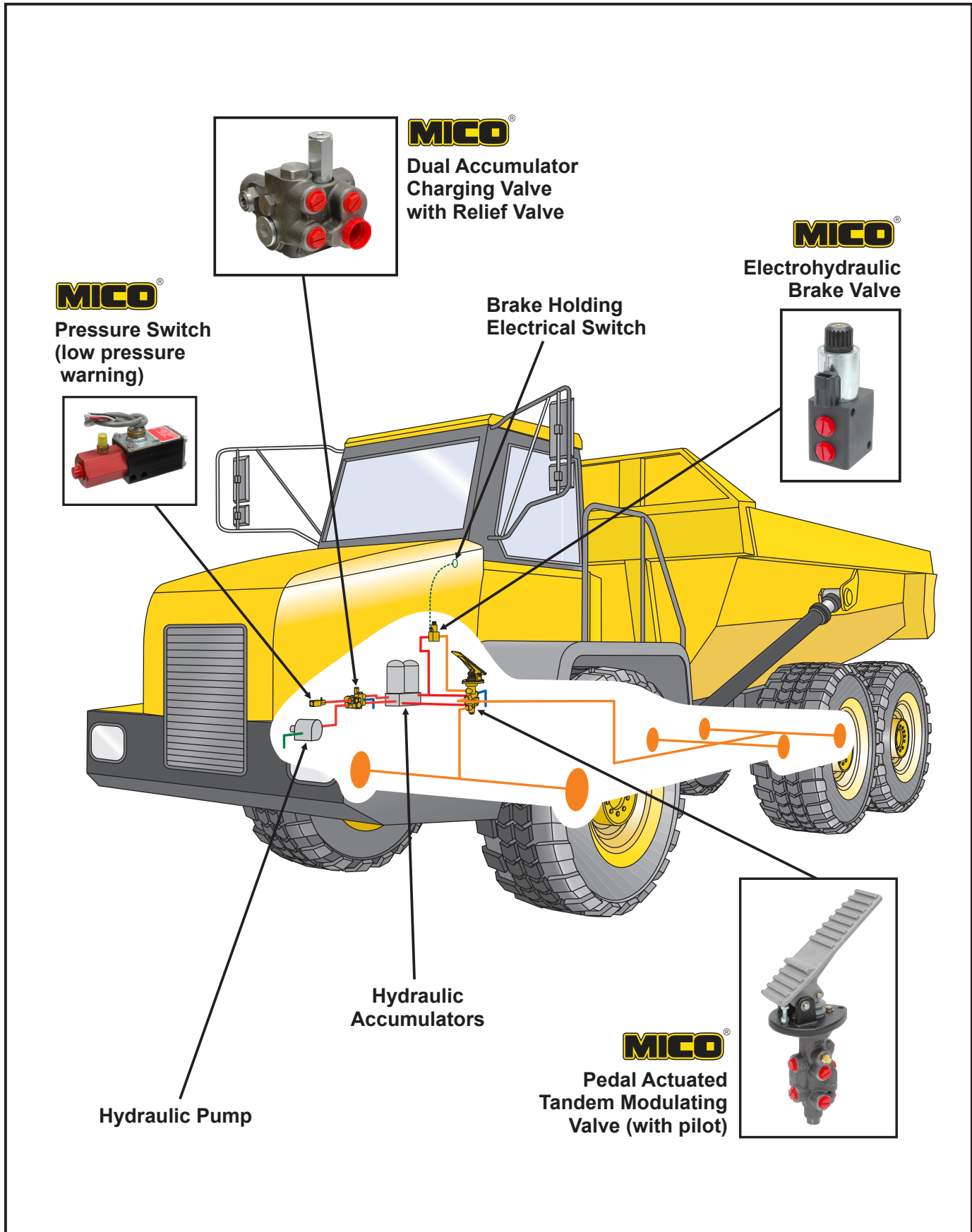
HYDRAULIC COMPONENTS & BRAKE SYSTEMS



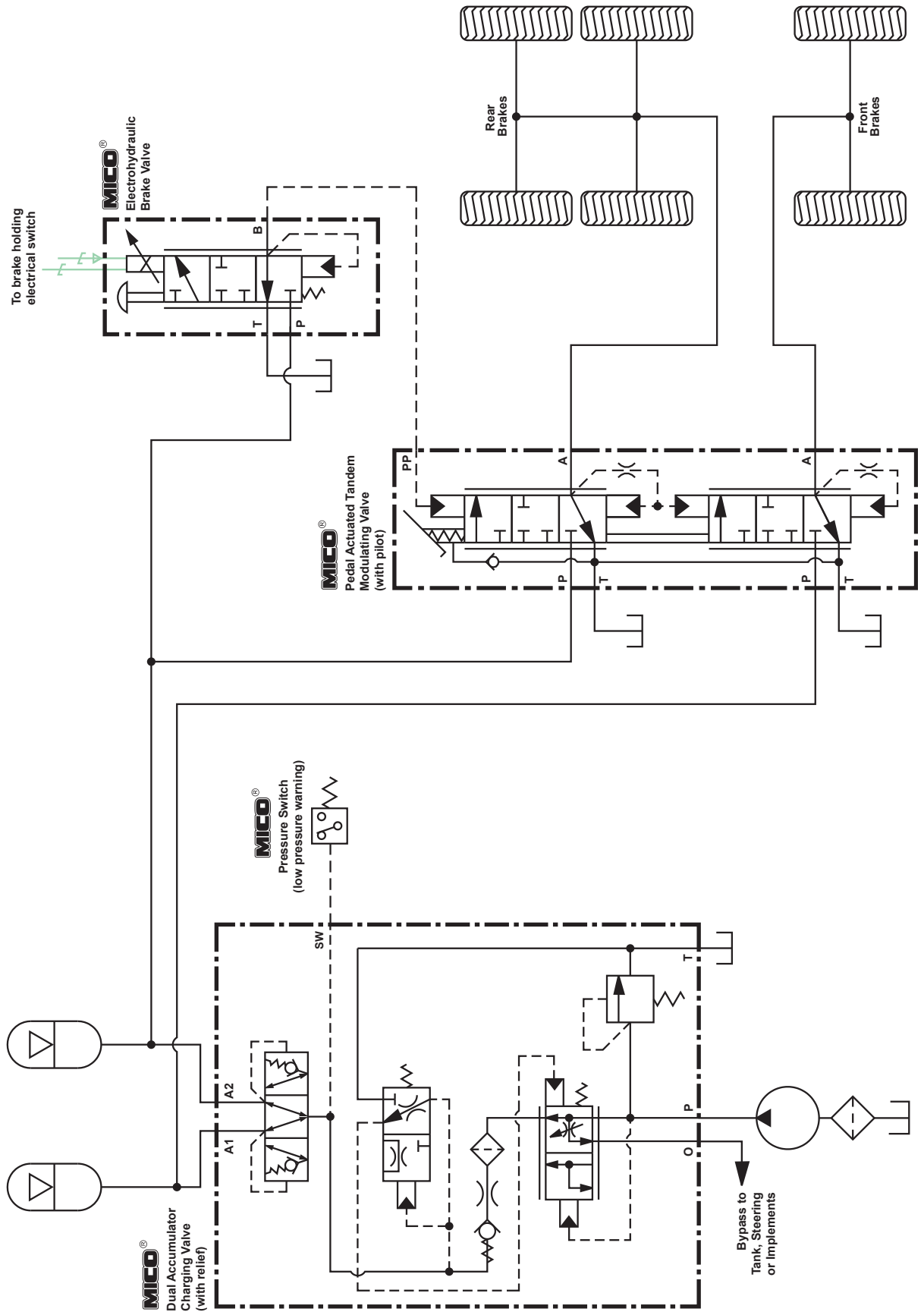


Haul Truck System Schematic



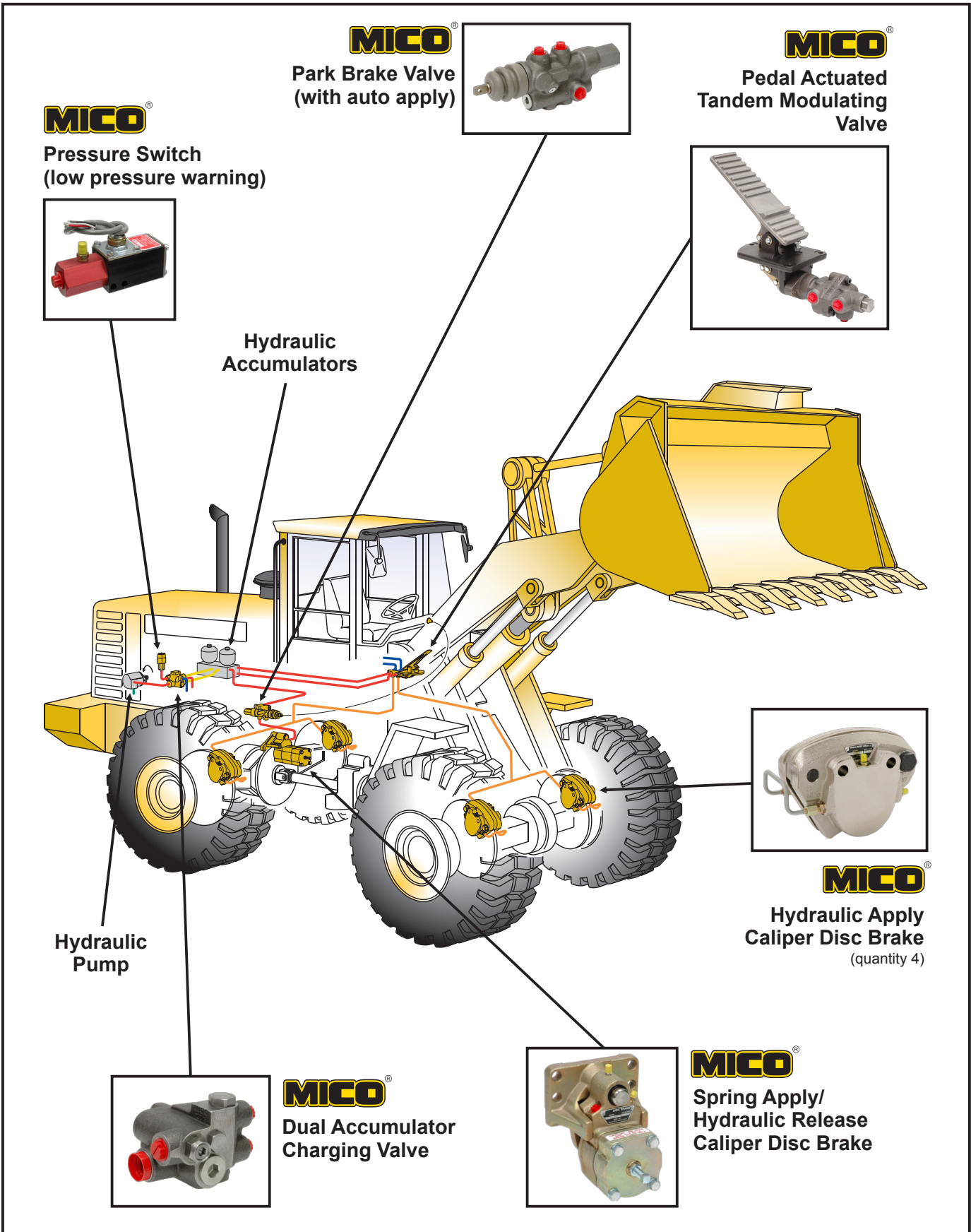


Articulated Dump Truck System Schematic

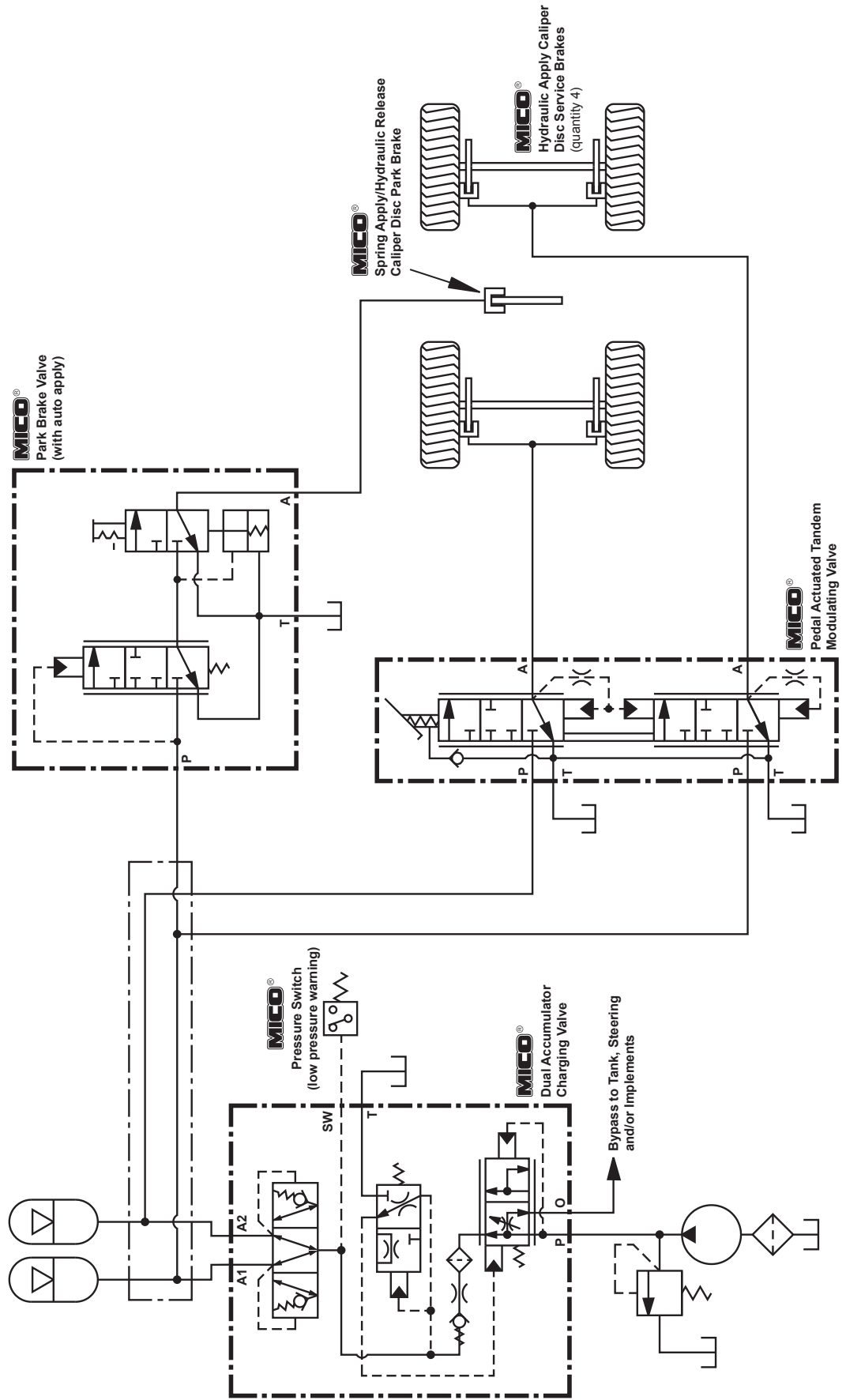




Hydraulic Components and Brake Systems Wheel Loader example

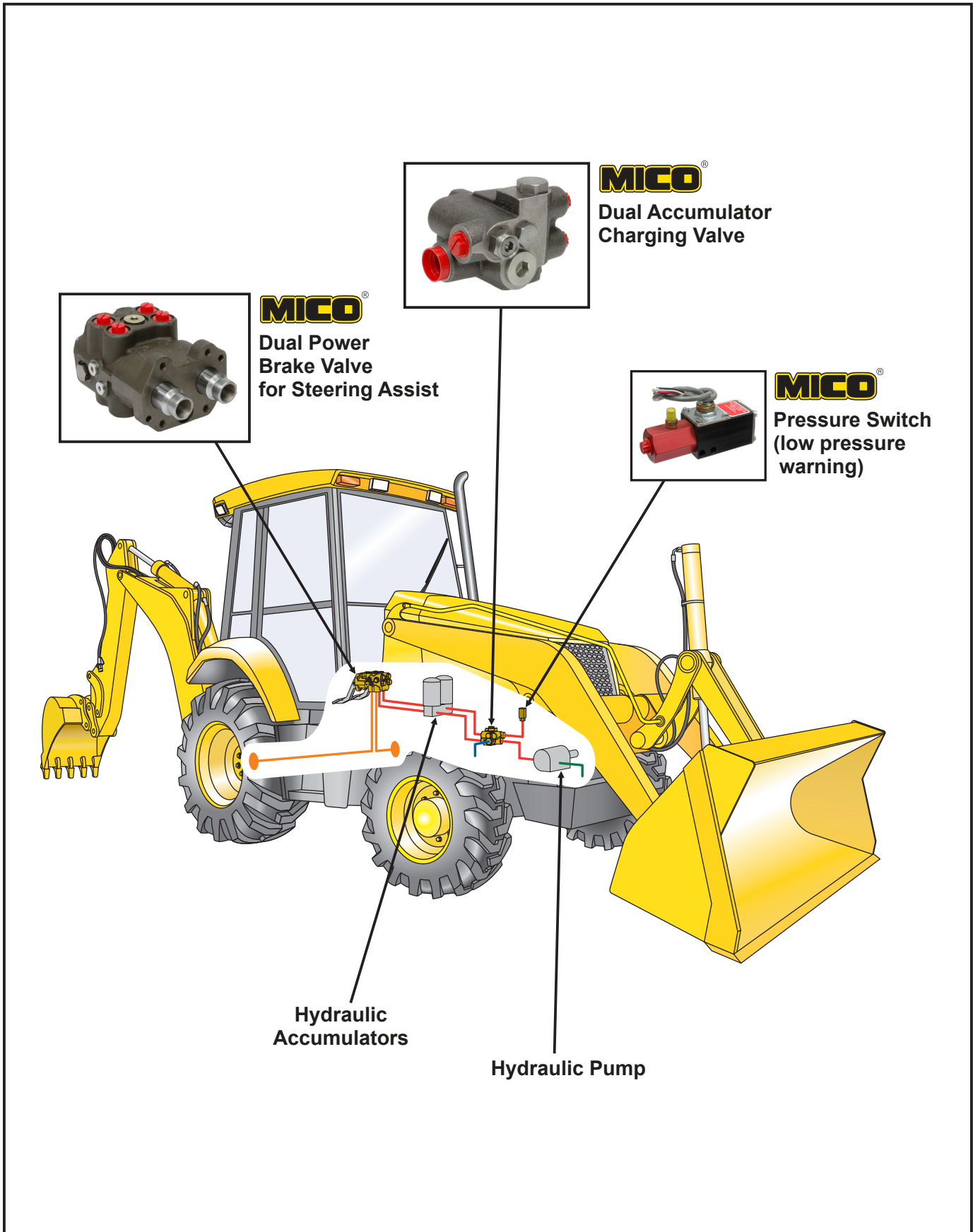


Wheel Loader System Schematic

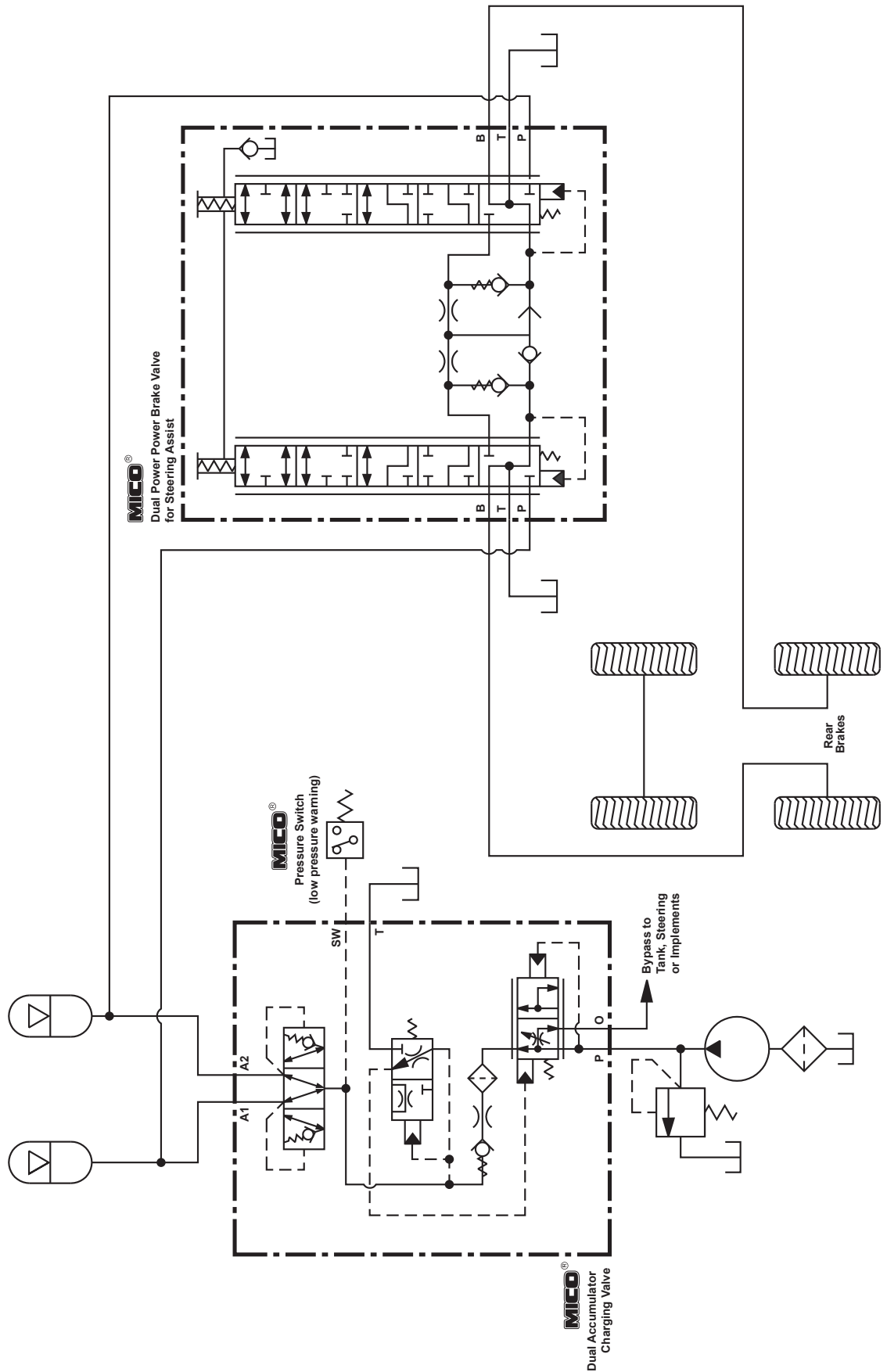




Hydraulic Components and Brake Systems Backhoe Loader example



Backhoe Loader System Schematic



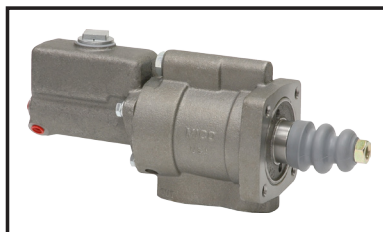


Hydraulic Components and Brake Systems Motor Grader example

MICO
Modulating Valve
Pedal Control Group
System option

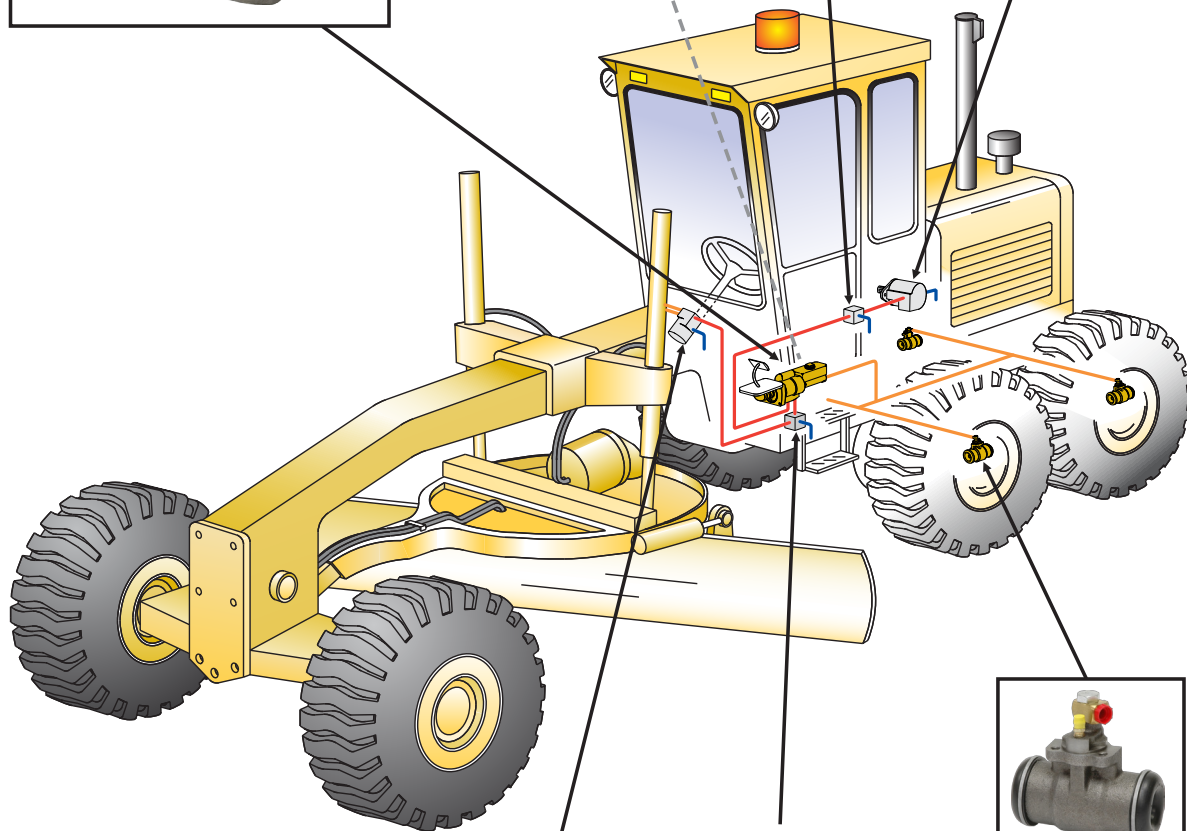


MICO
Boosted Straight
Bore Master Cylinder



Hydraulic
Pump

Main Hydraulic
System Relief Valve



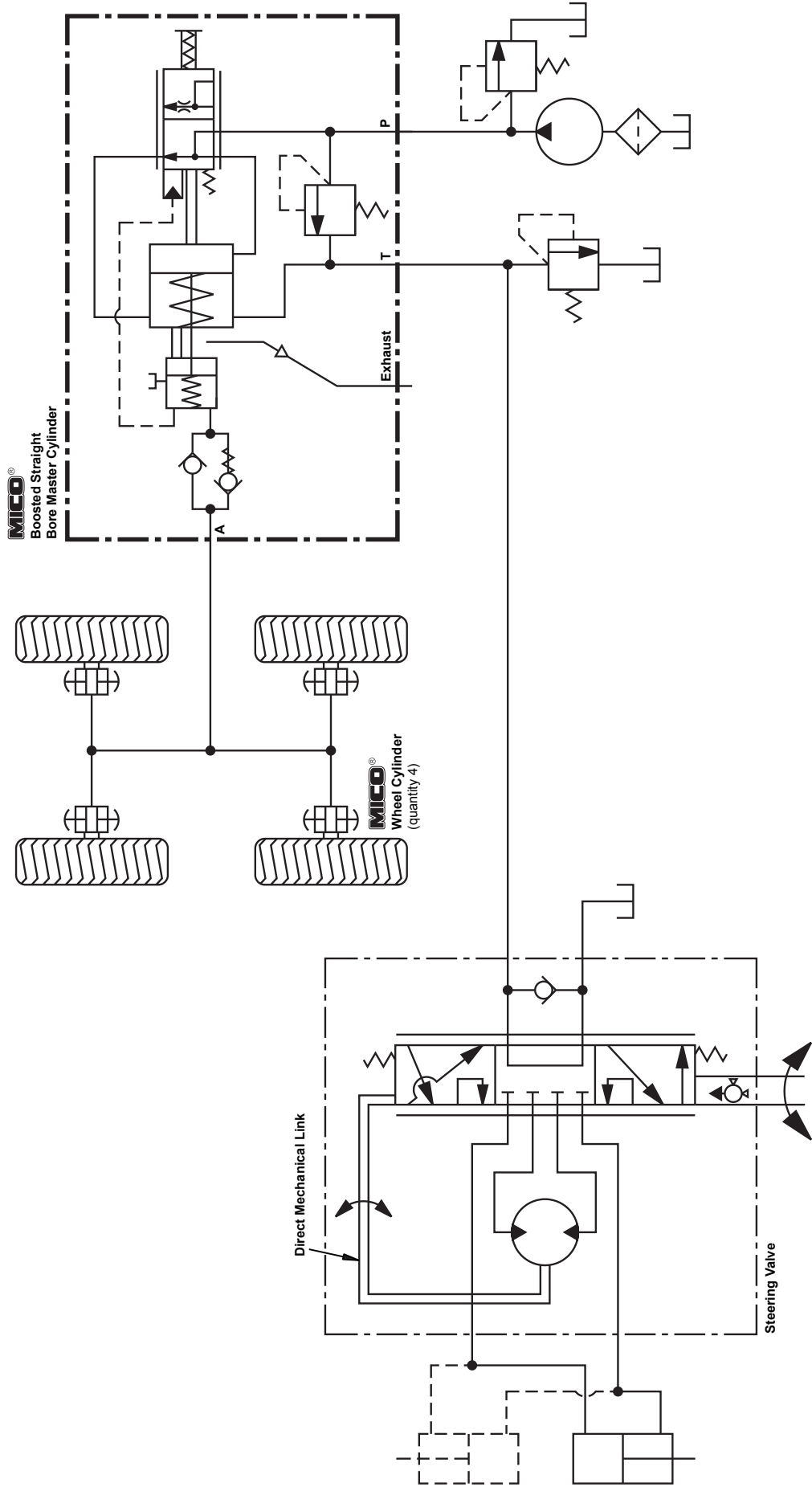
Steering Valve

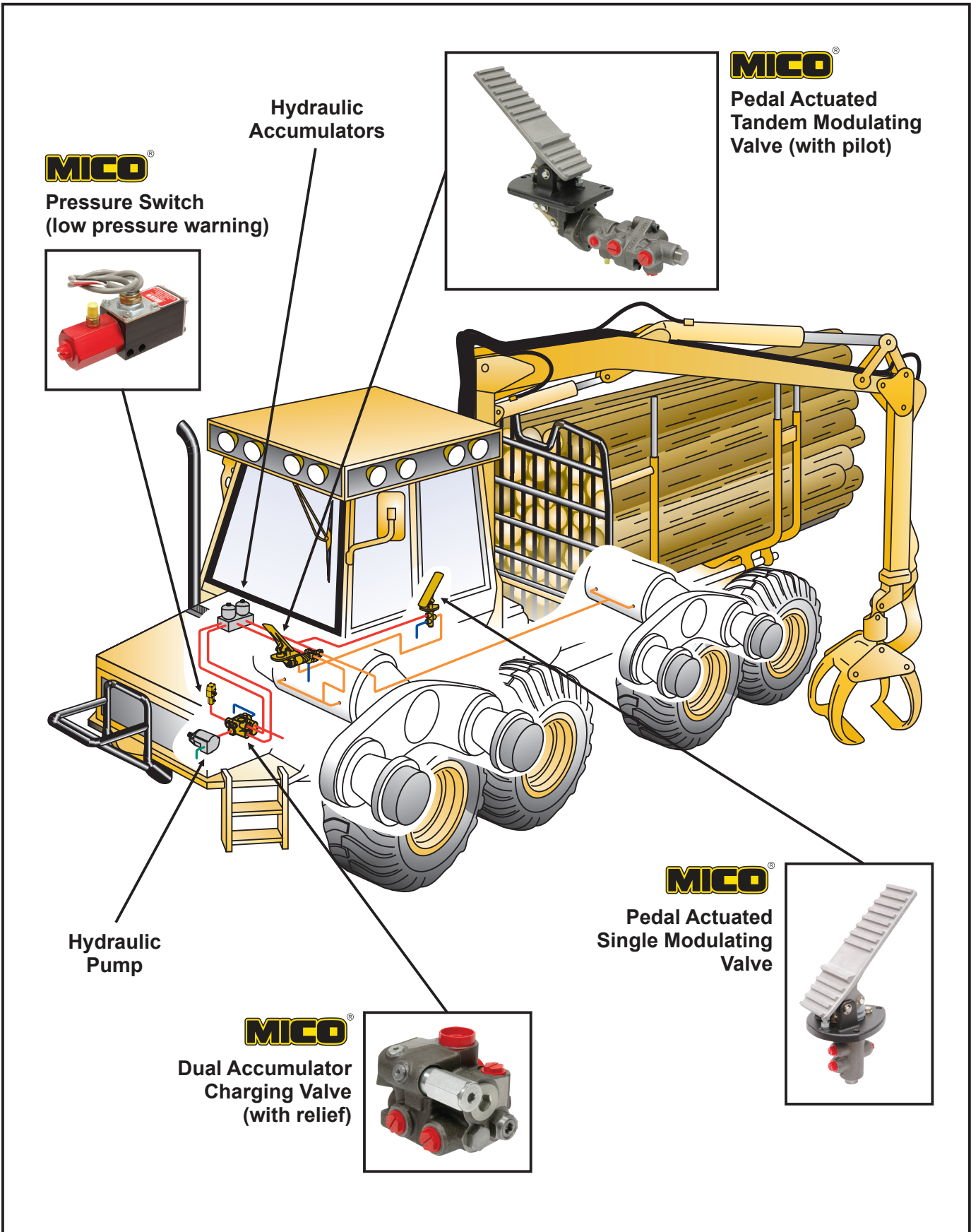
Power Beyond
Relief Valve



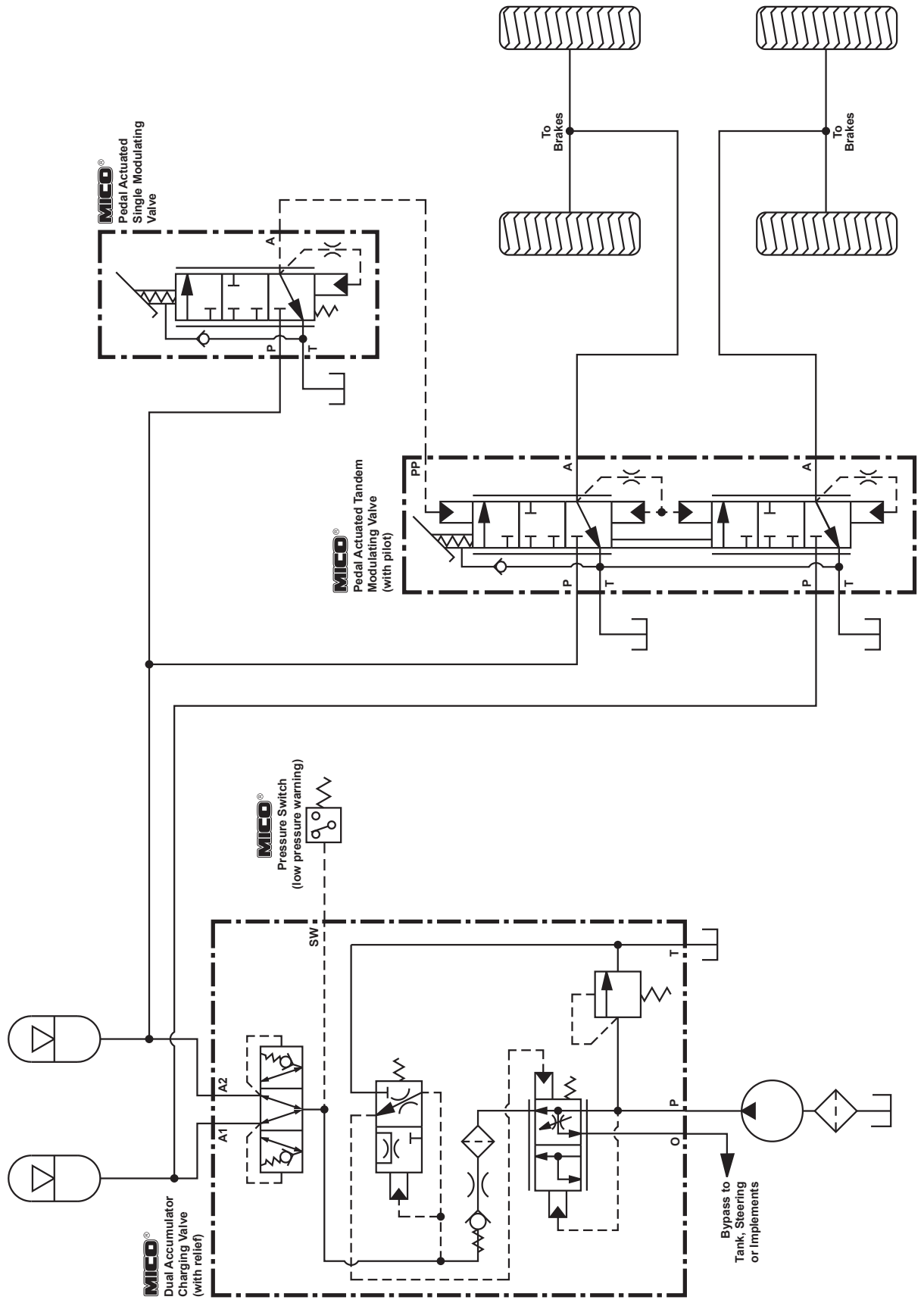
MICO
Wheel Cylinder
(quantity 4)

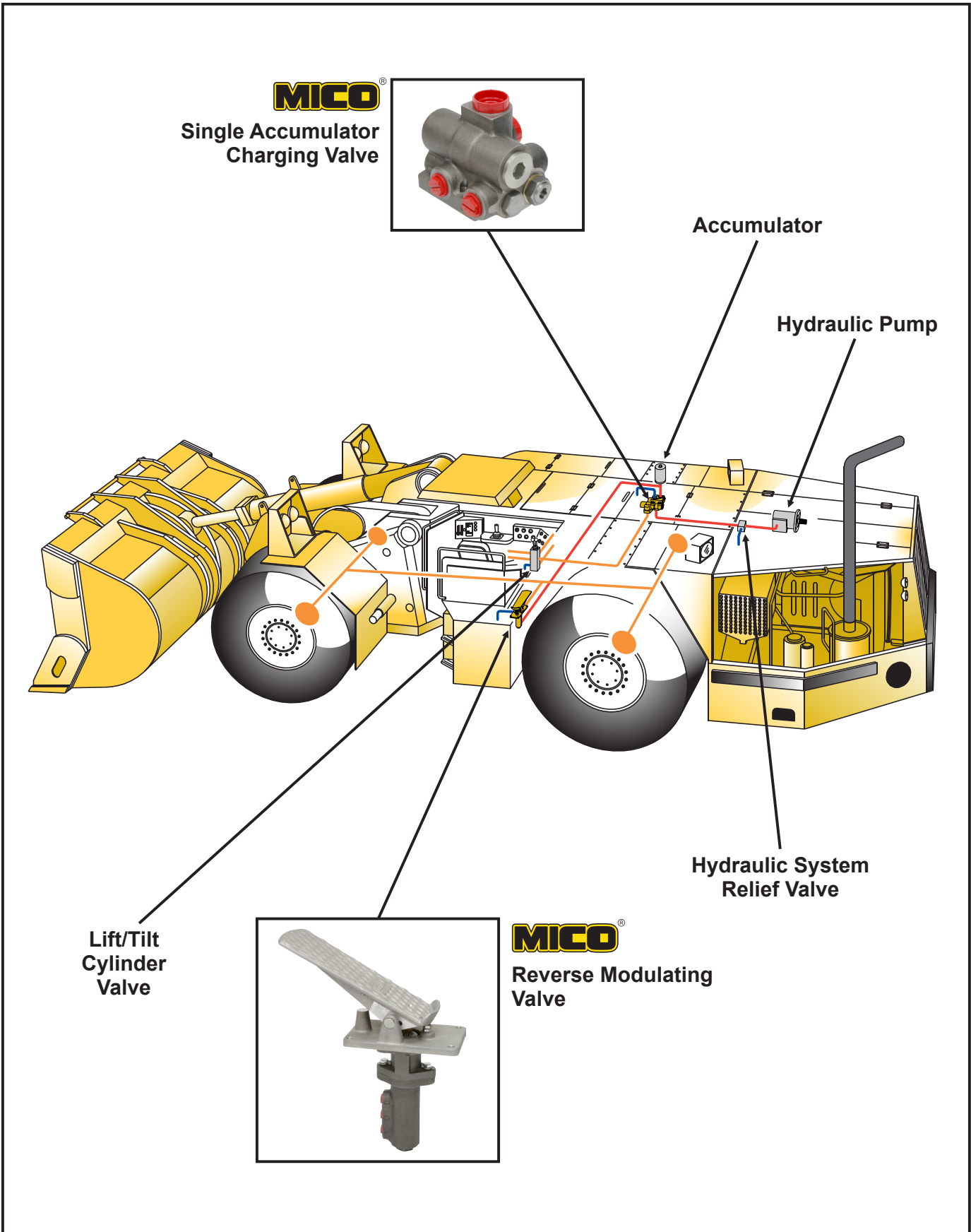
Motor Grader System Schematic



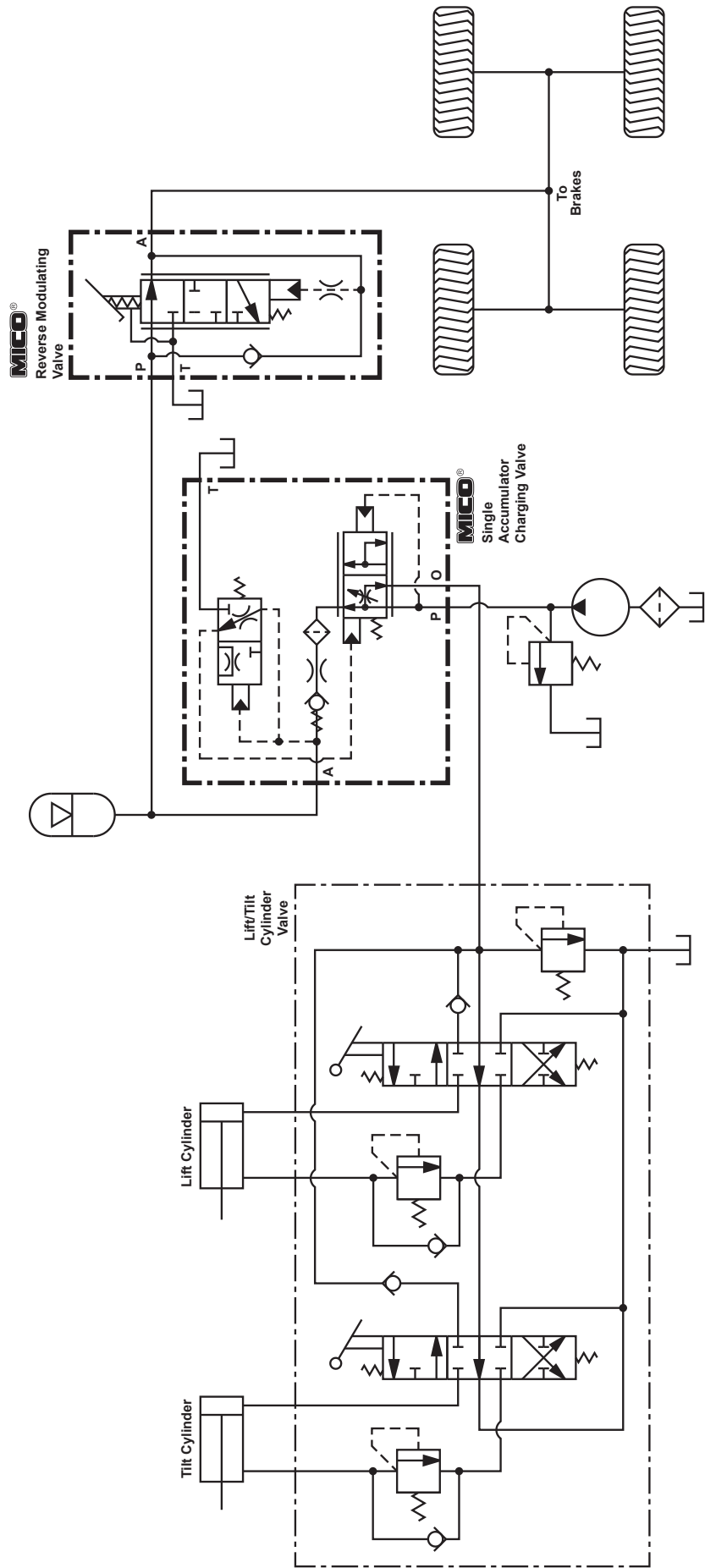


Logging Forwarder System Schematic





Underground Loader System Schematic



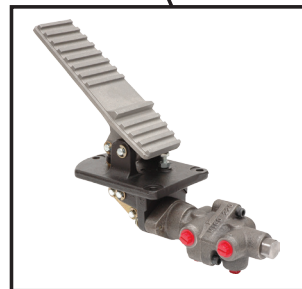
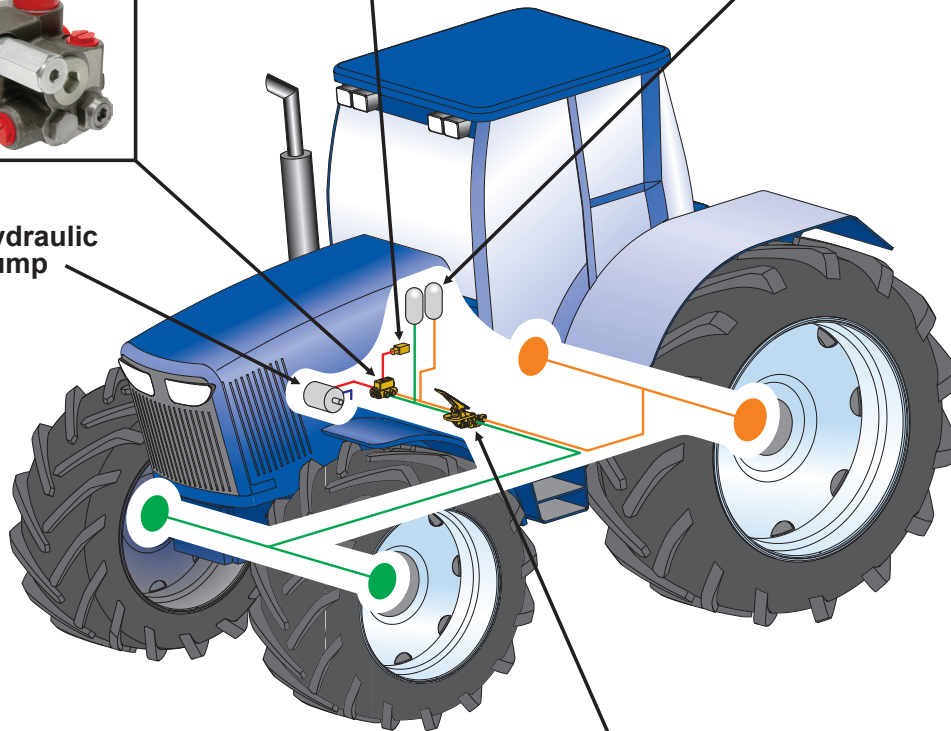
MICO[®]
Dual Accumulator
Charging Valve
(with relief)



MICO[®]
Pressure Switch
(low pressure
warning)

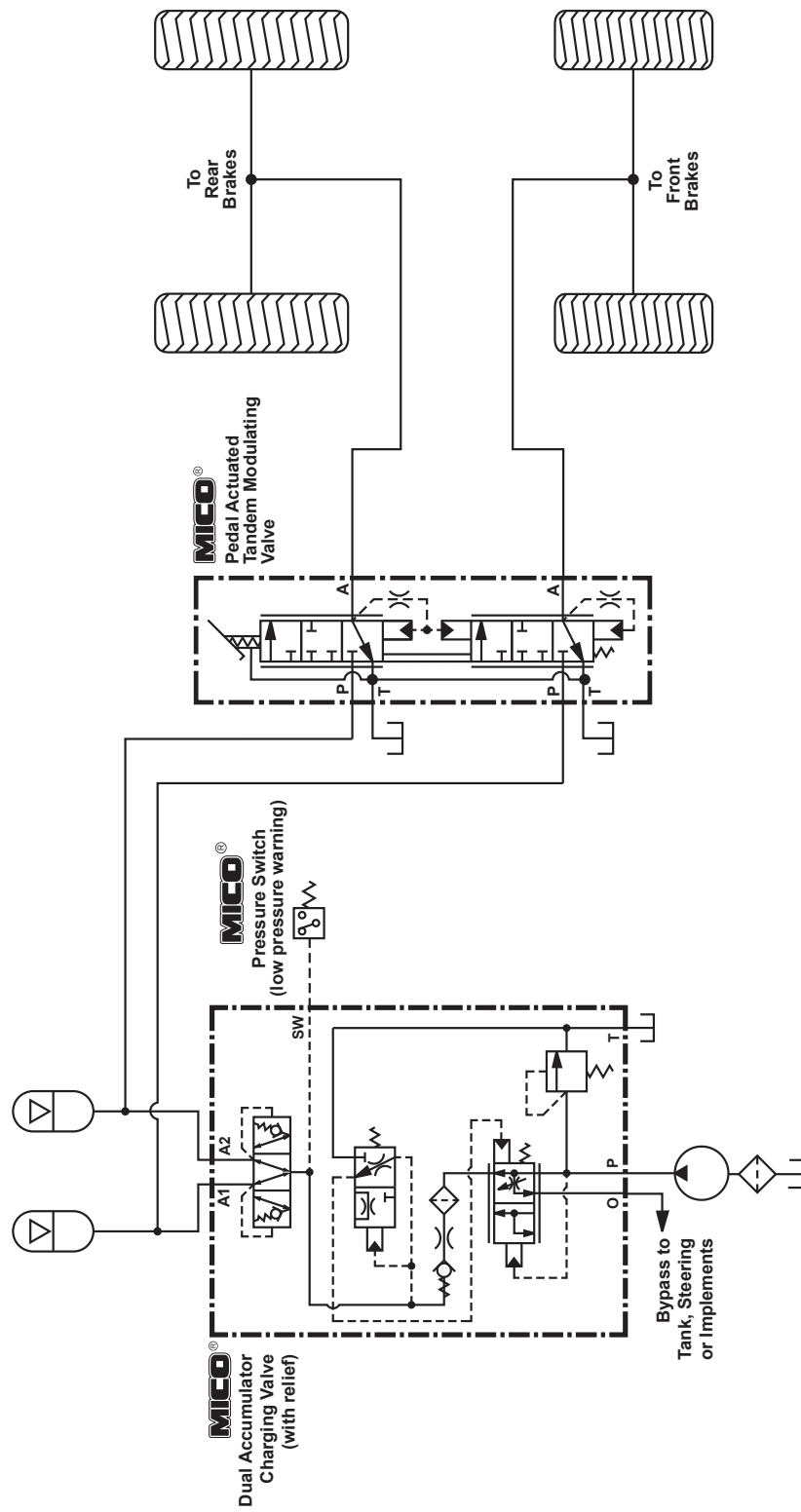
Hydraulic
Accumulators

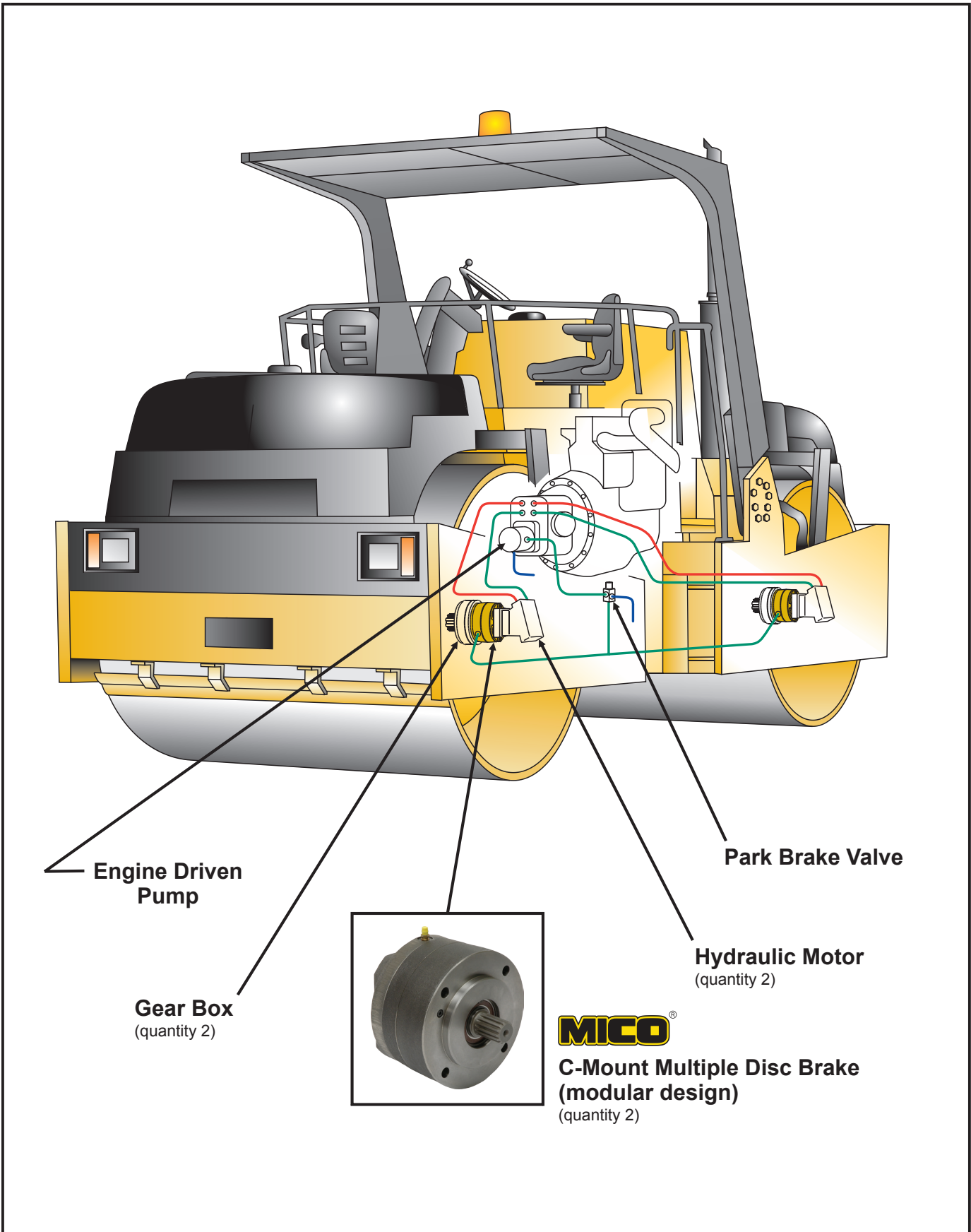
Hydraulic
Pump

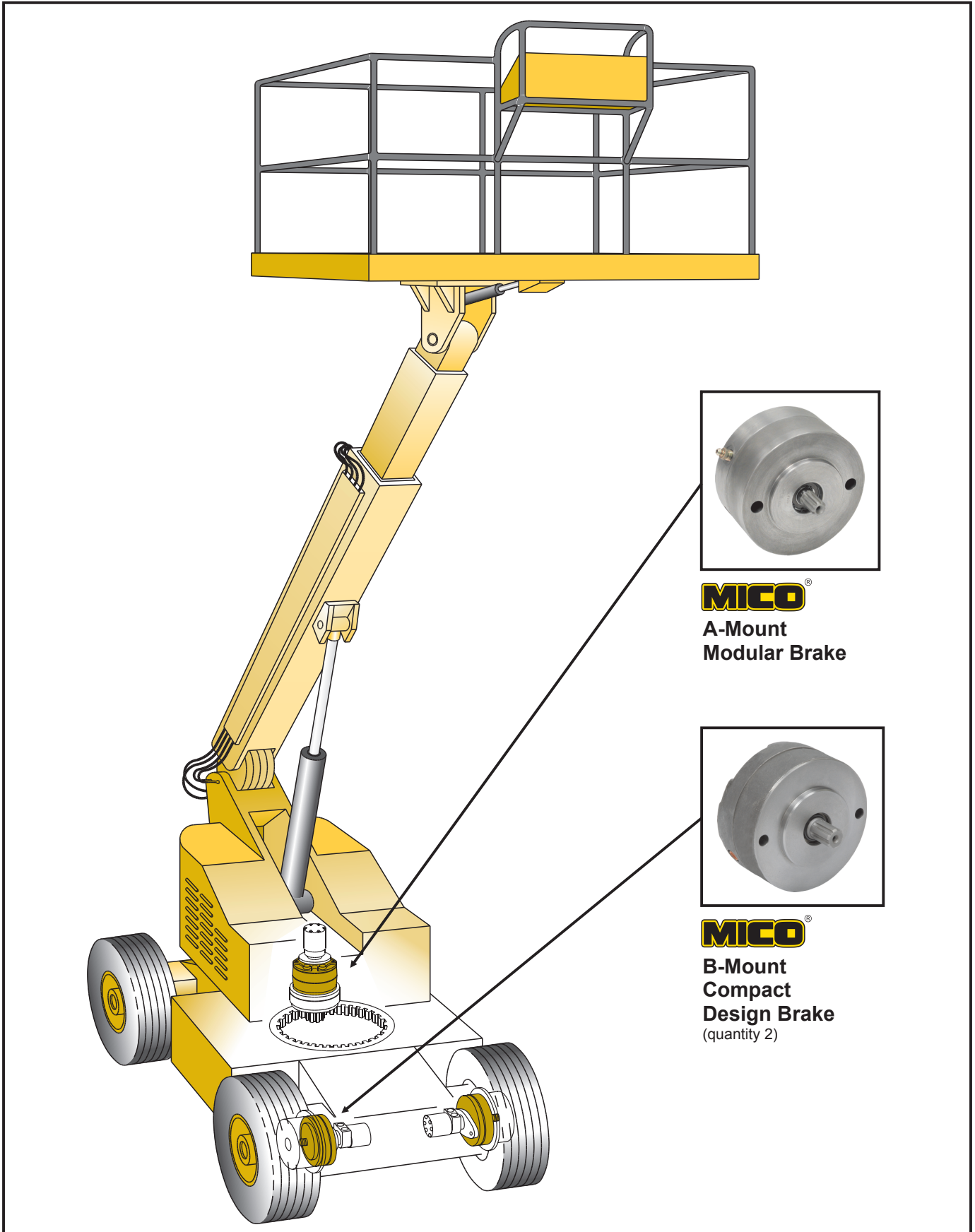


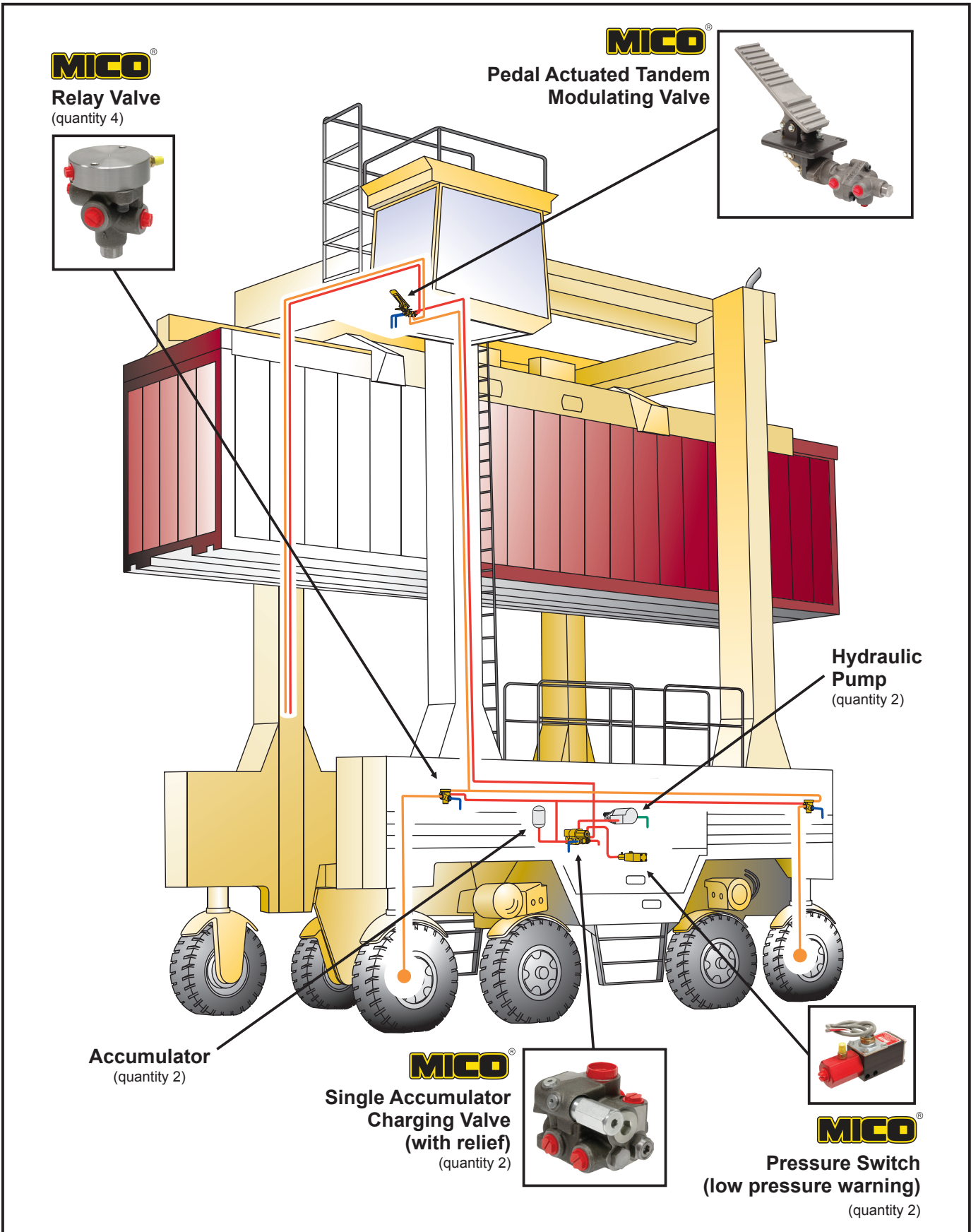
MICO[®]
Pedal Actuated
Tandem
Modulating Valve

Agriculture Tractor System Schematic







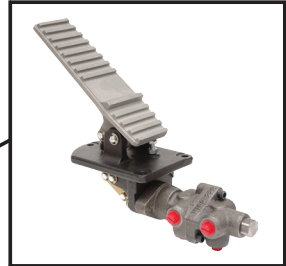


MICO®
Relay Valve
(quantity 4)



MICO®

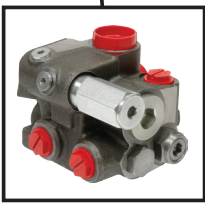
Pedal Actuated Tandem
Modulating Valve



Hydraulic Pump
(quantity 2)

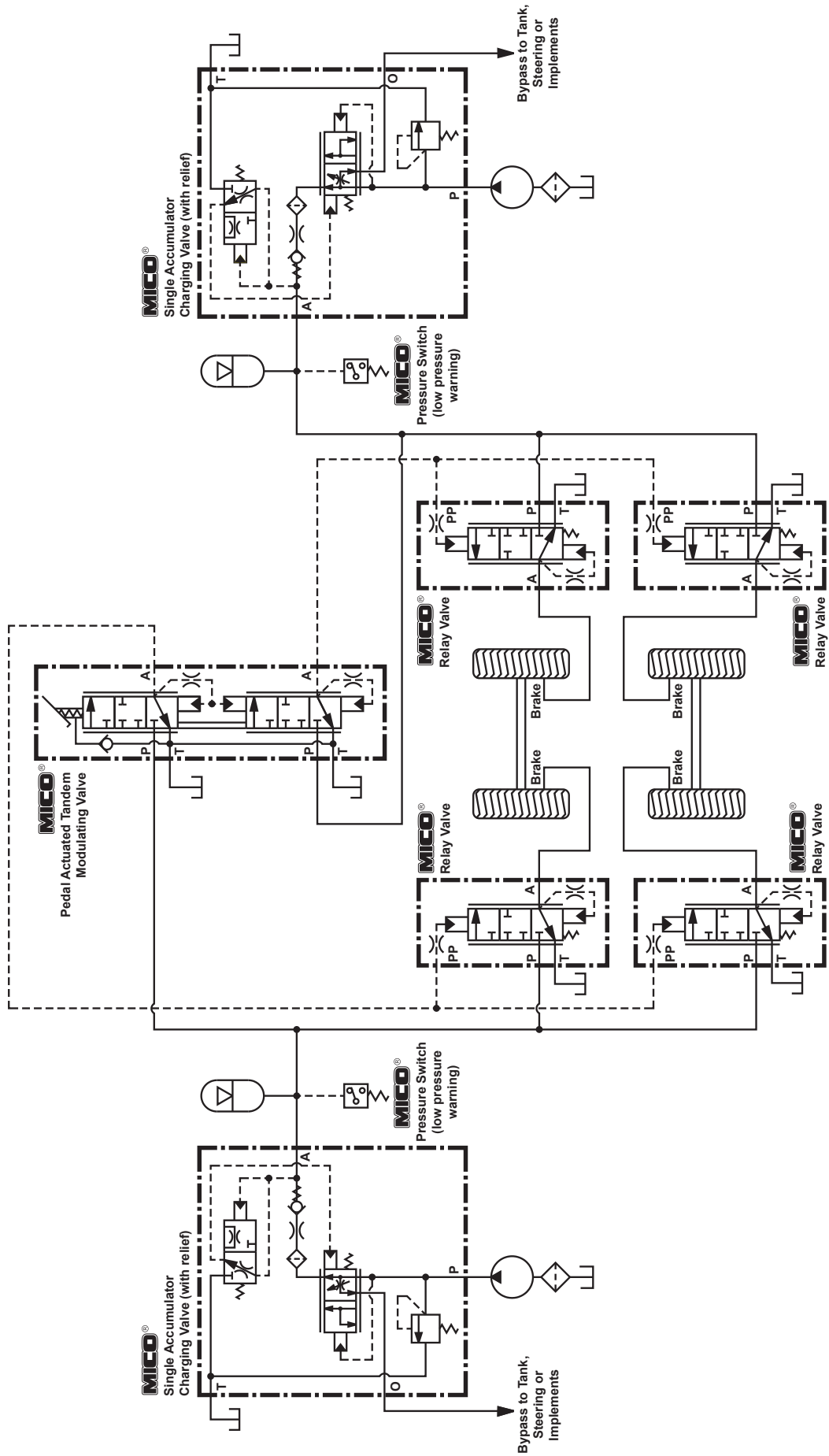
Accumulator
(quantity 2)

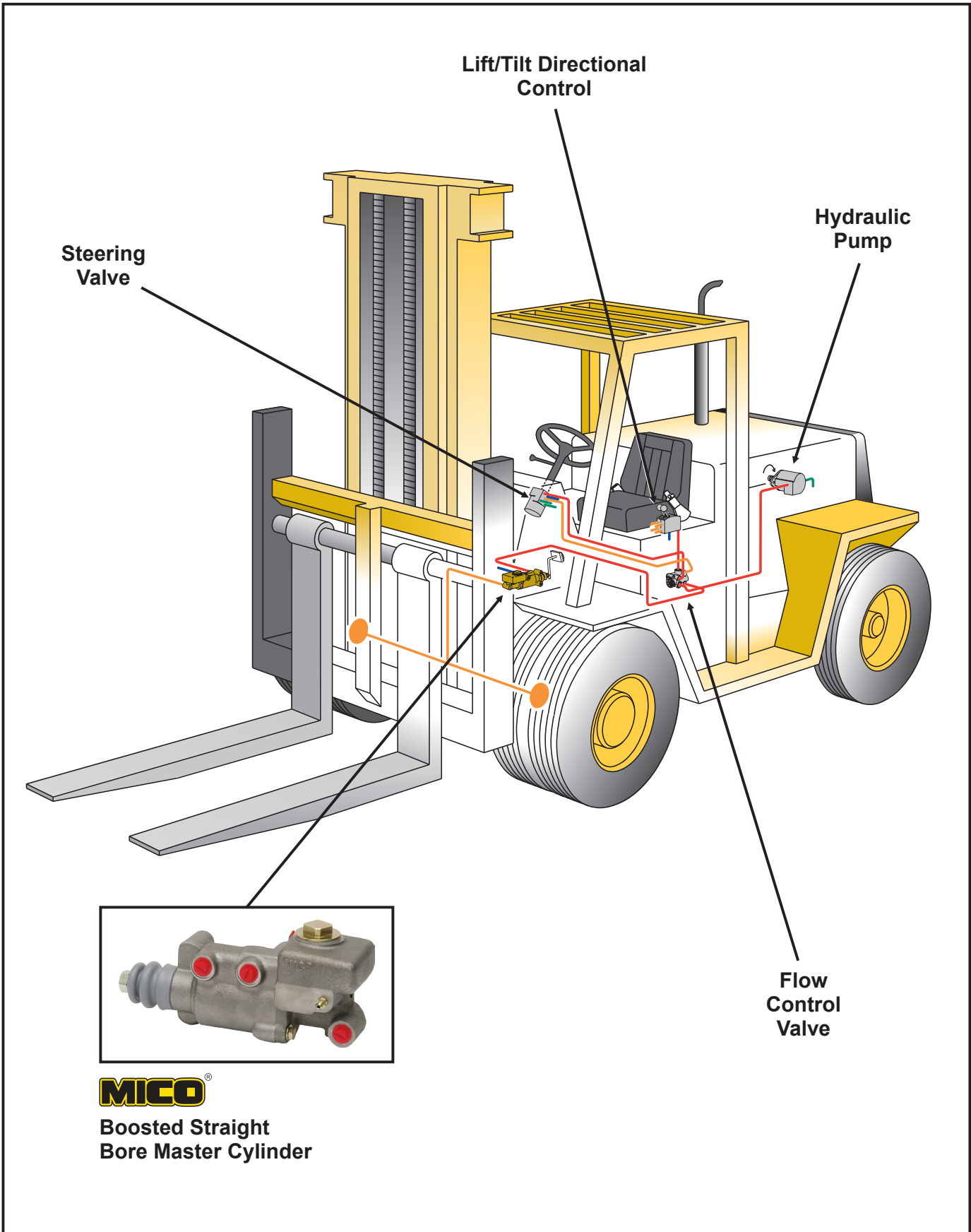
MICO®
Single Accumulator
Charging Valve
(with relief)
(quantity 2)



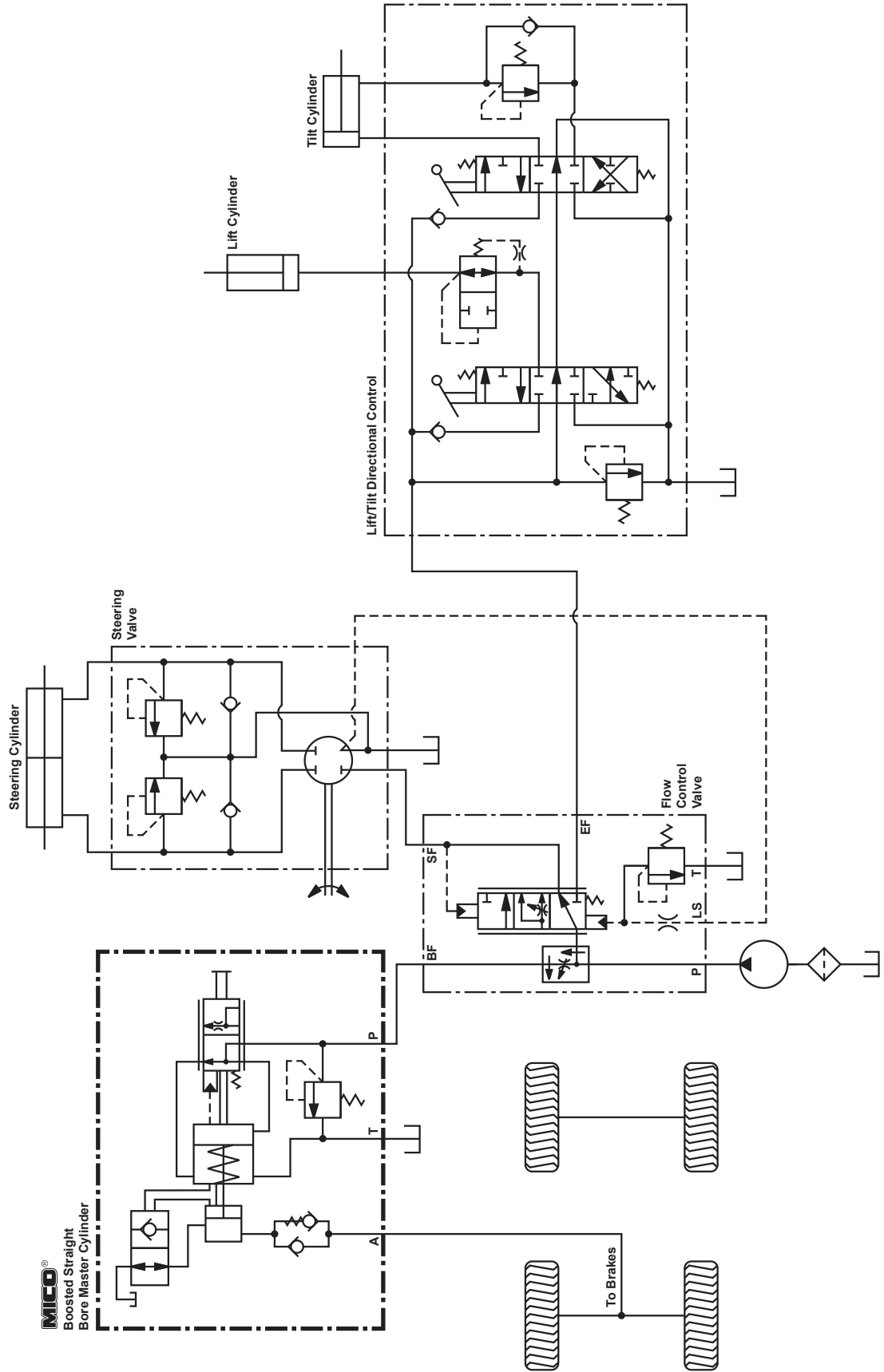
MICO®
Pressure Switch
(low pressure warning)
(quantity 2)

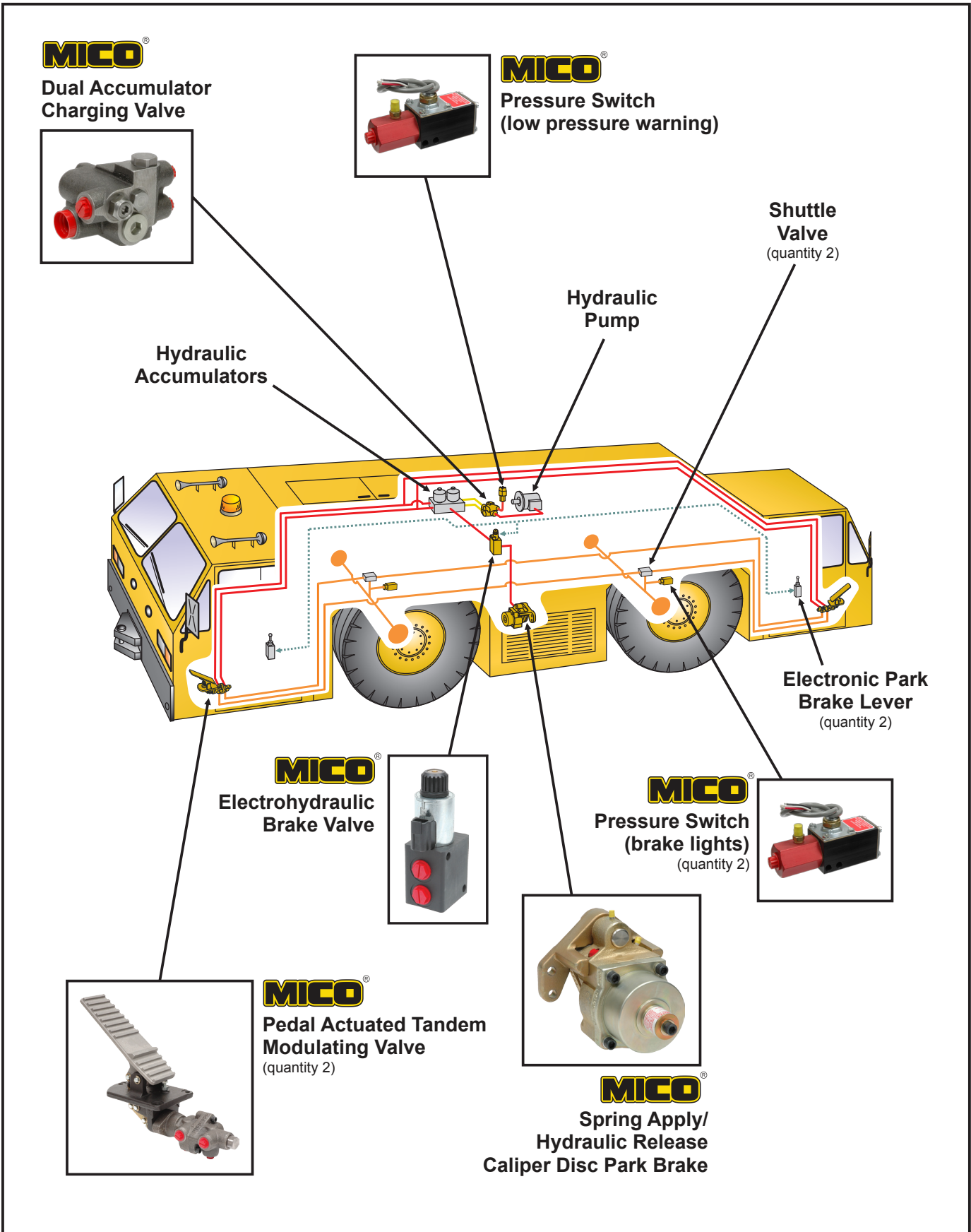
Straddle Carrier System Schematic



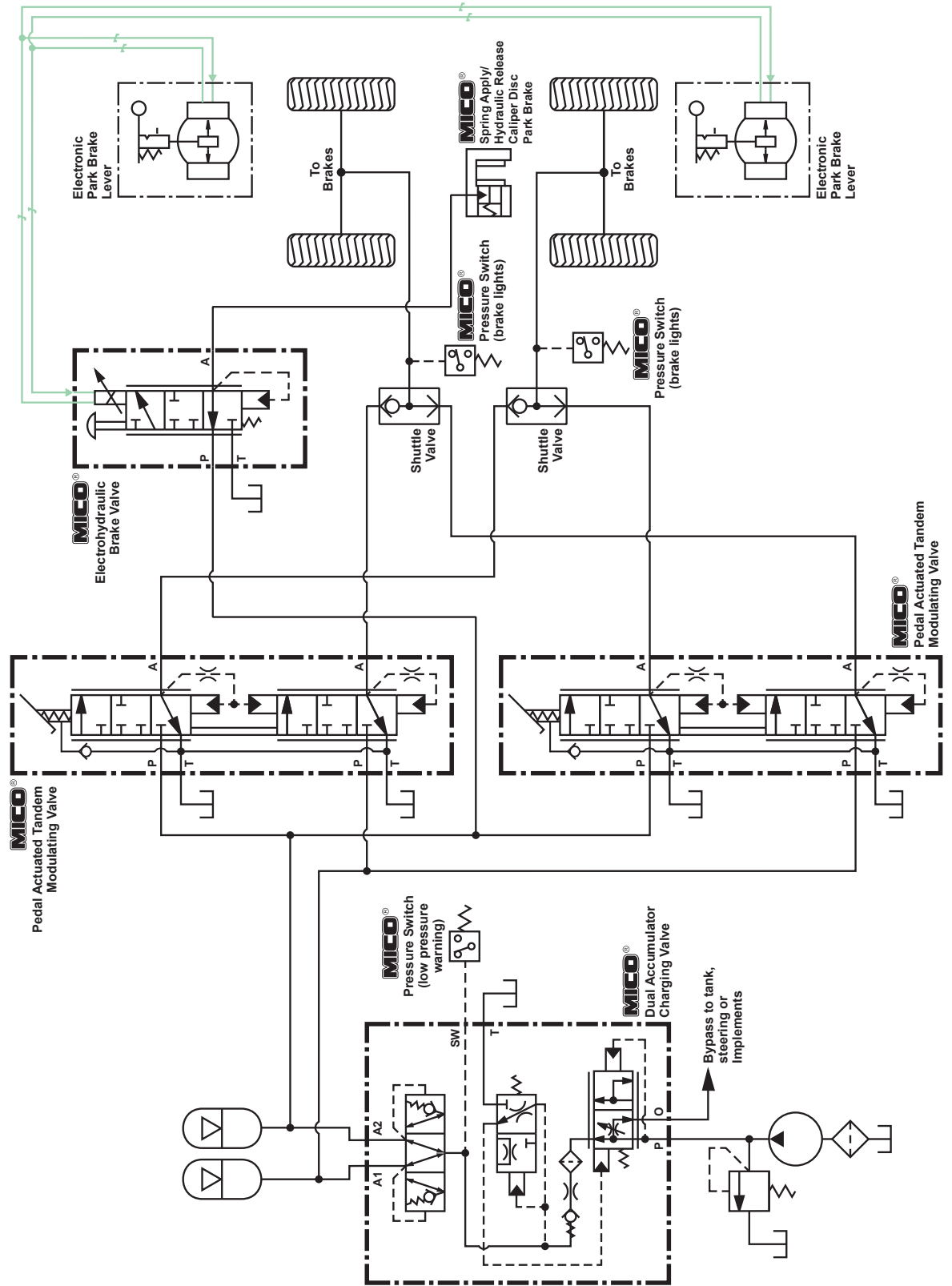


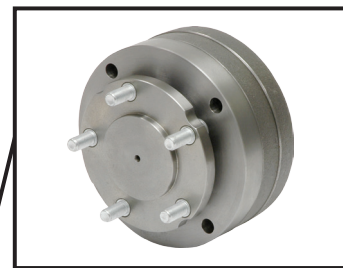
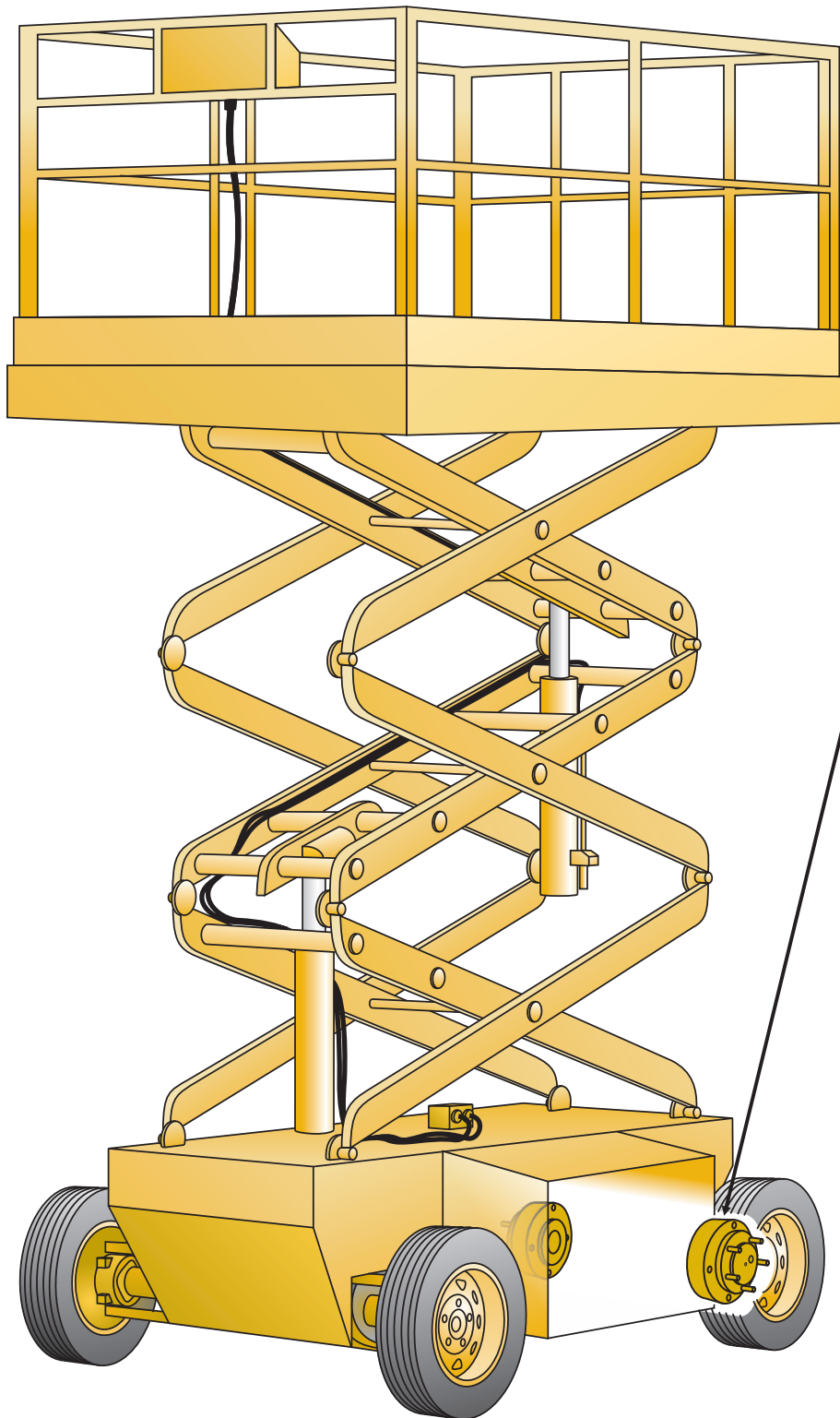
Forklift System Schematic





Aircraft Tow Tractor System Schematic



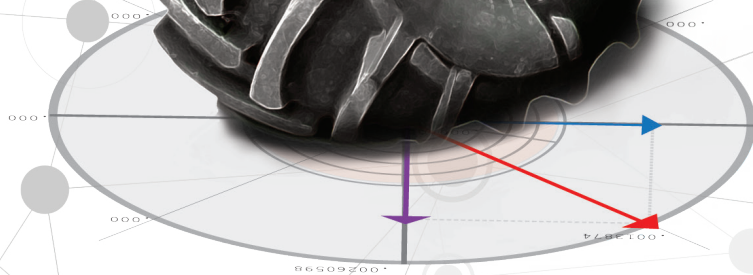


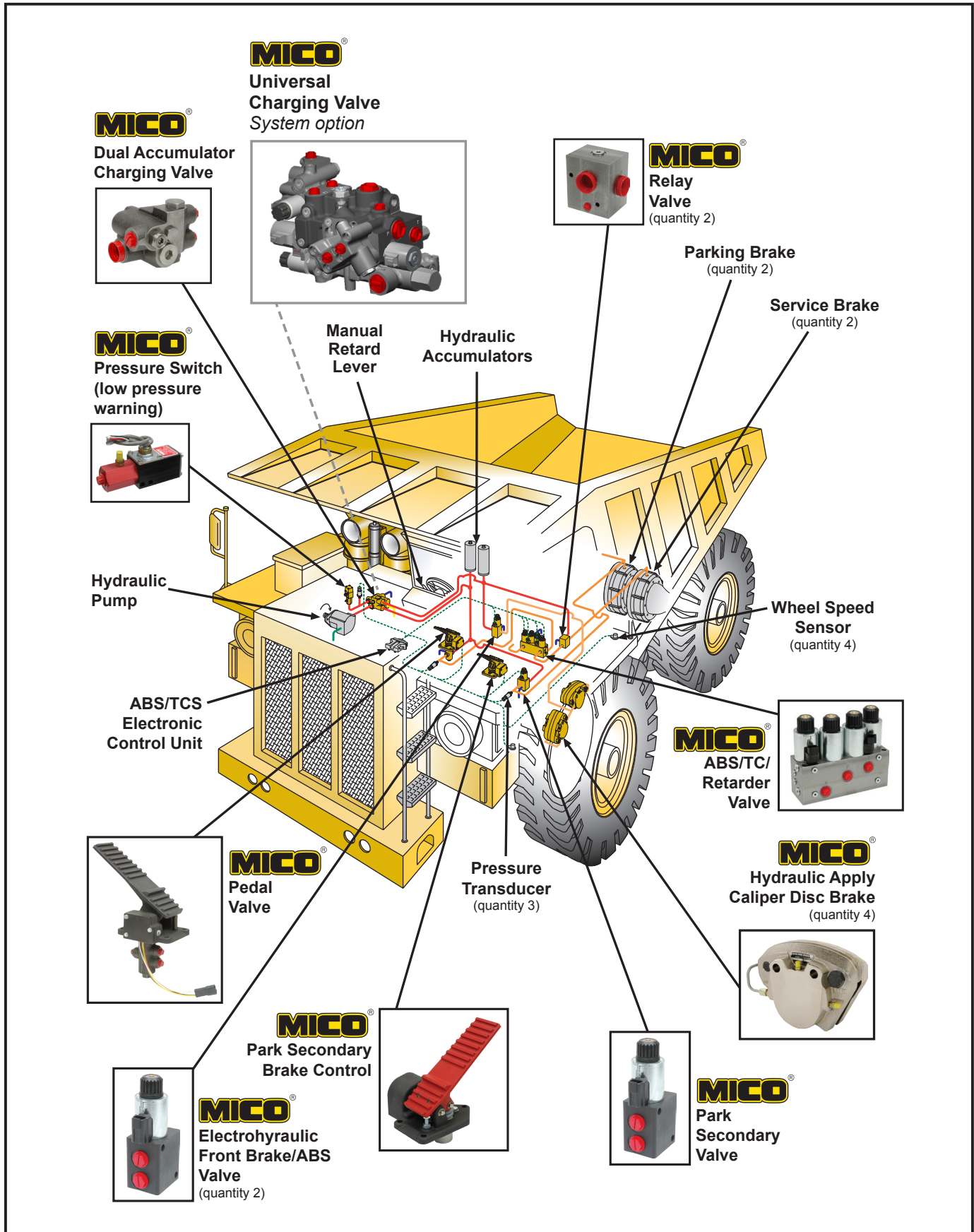
MICO[®]
**Compact Wheel
Mount Multiple
Disc Brake**
(quantity 2)



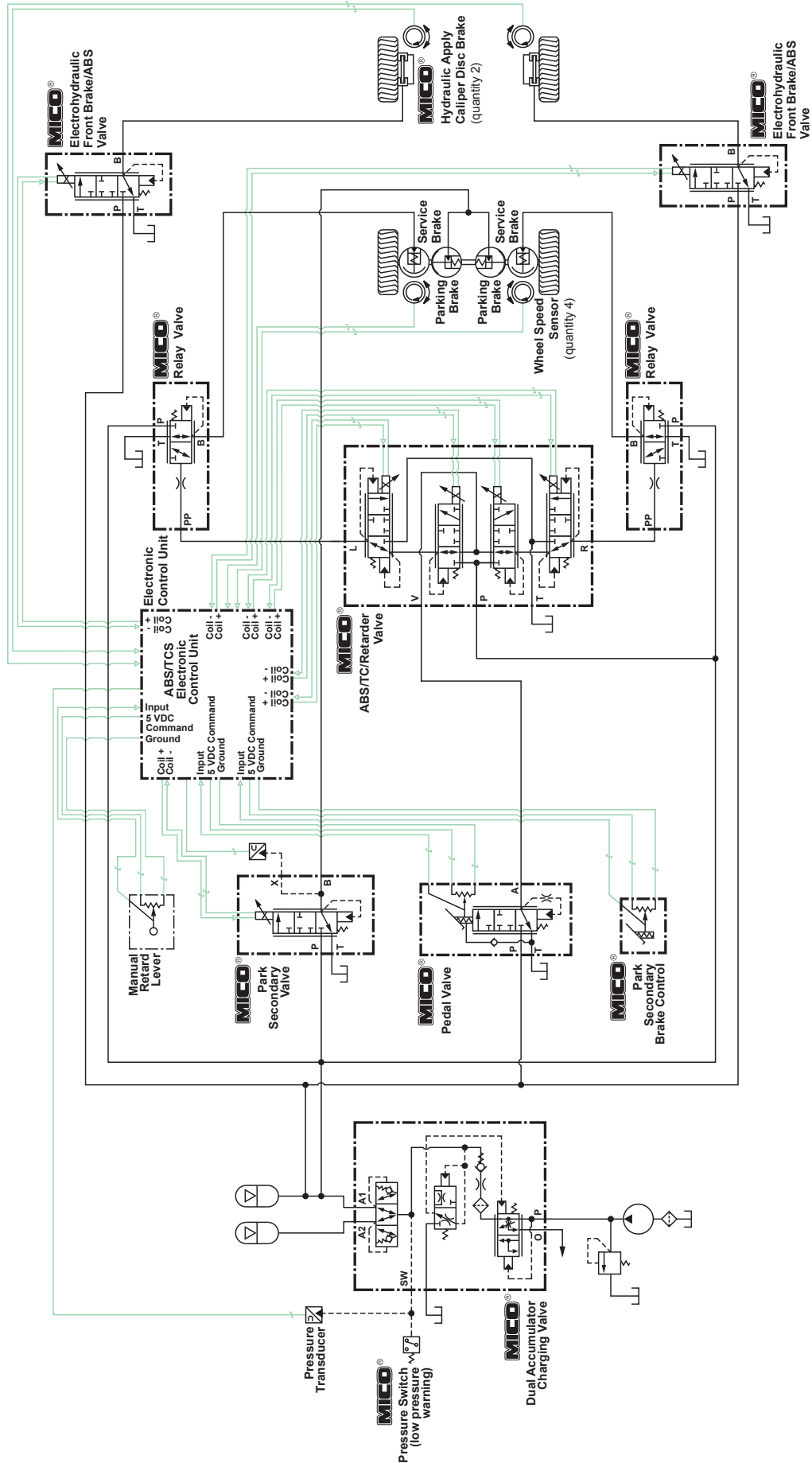
MICO[®]
**Large Wheel
Mount Multiple
Disc Brake**
(motor input)
*For heavier load
applications*

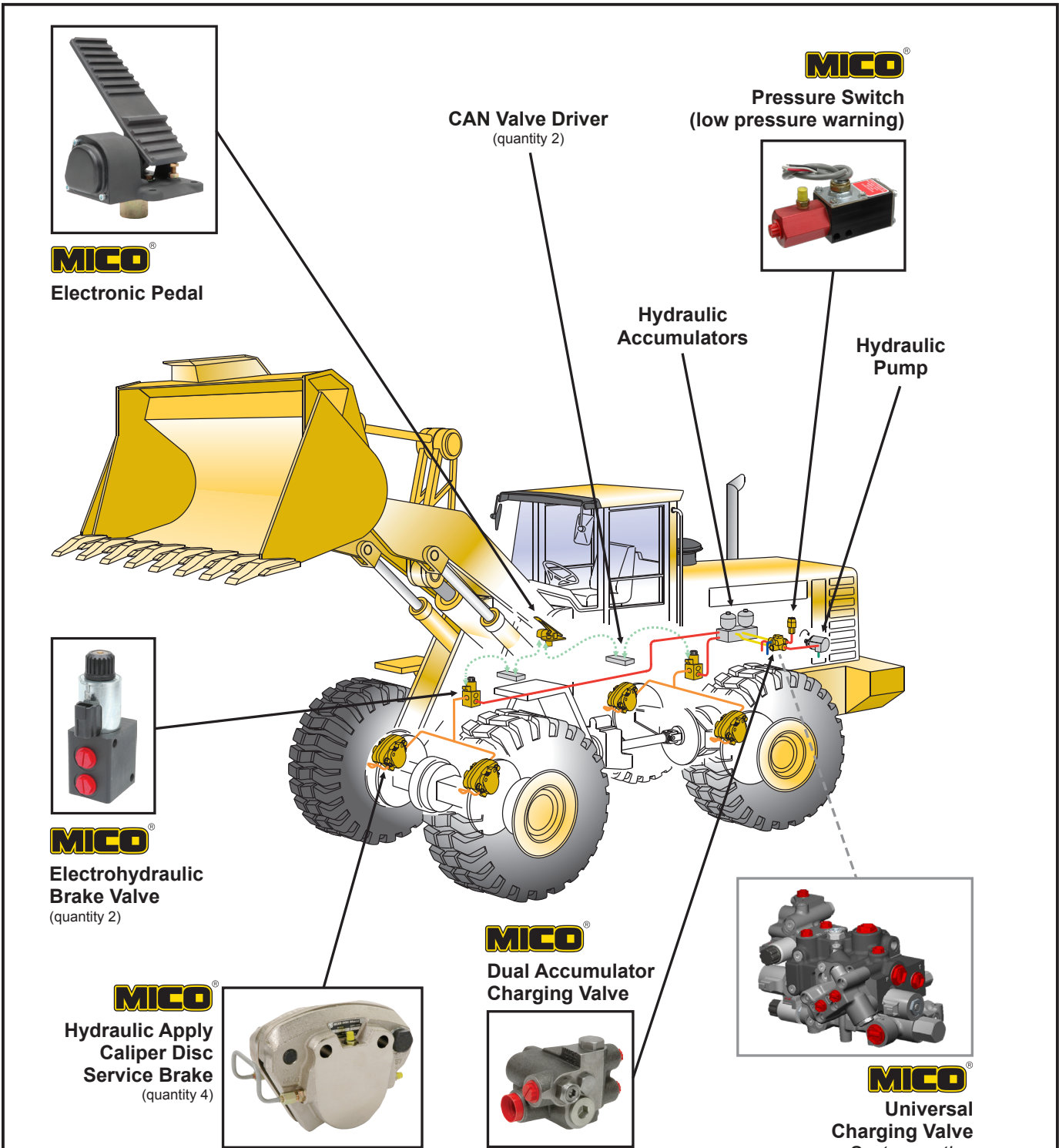
ELECTROHYDRAULIC COMPONENTS & BRAKE SYSTEMS





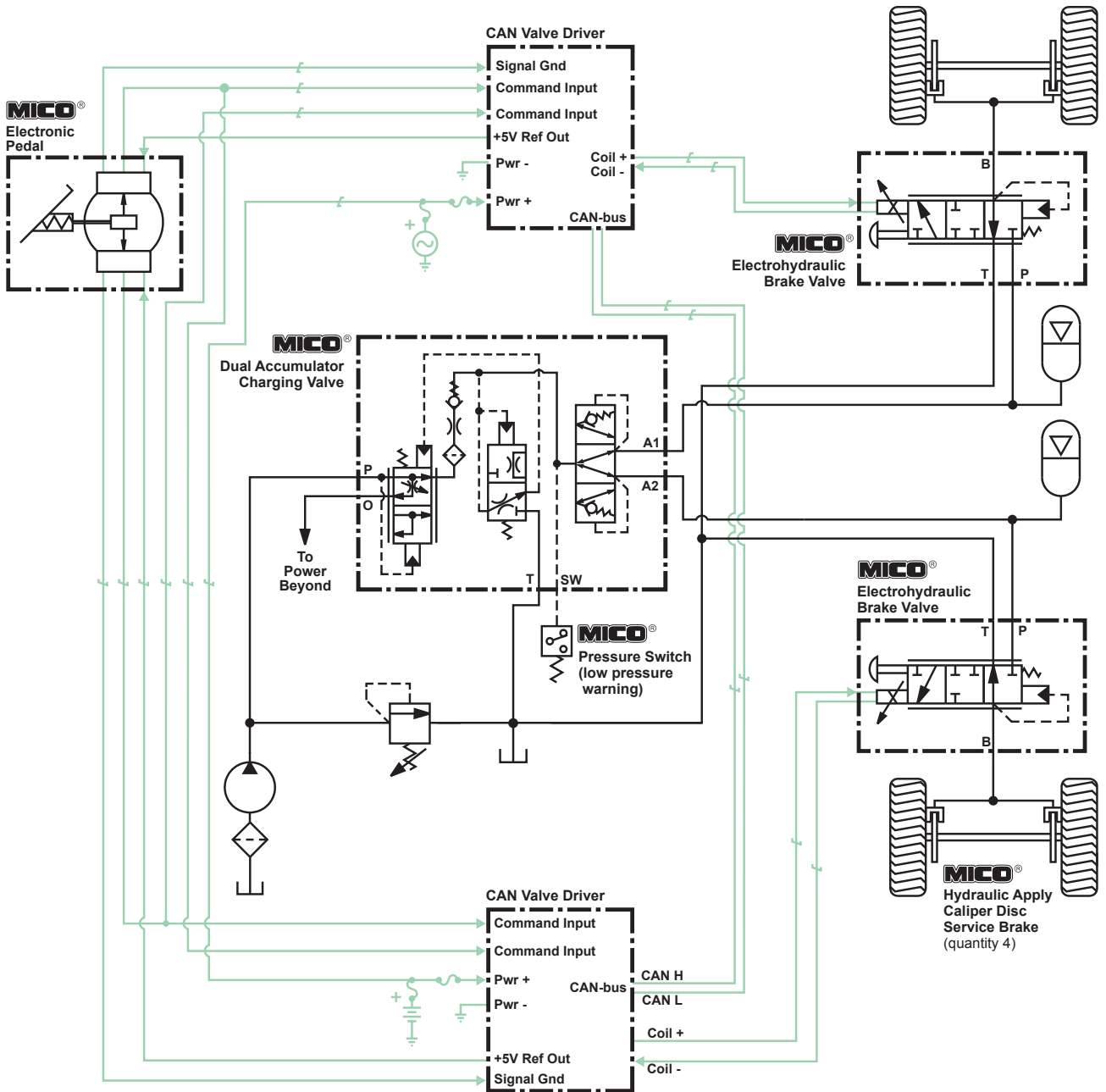
Haul Truck System Schematic



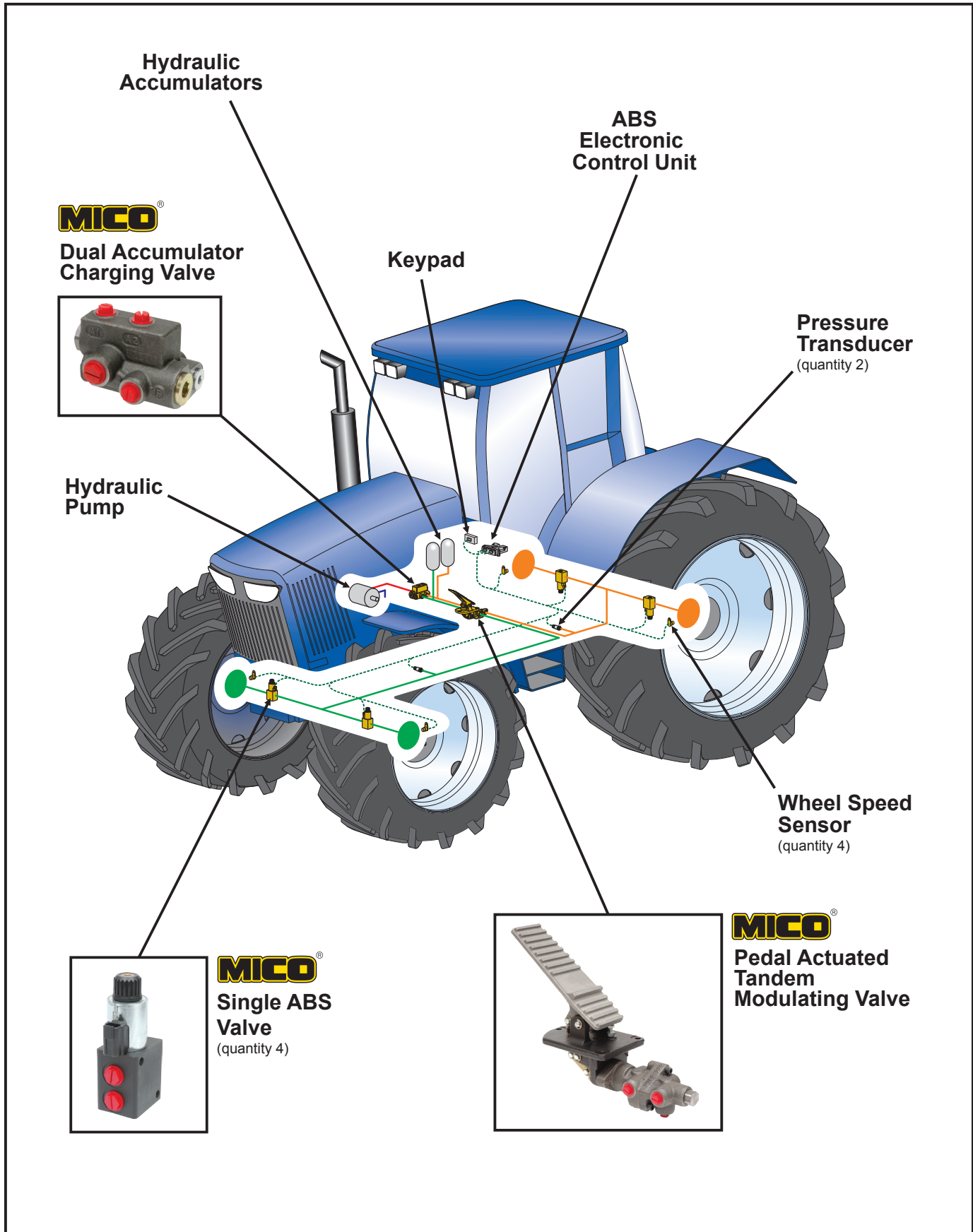


NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.

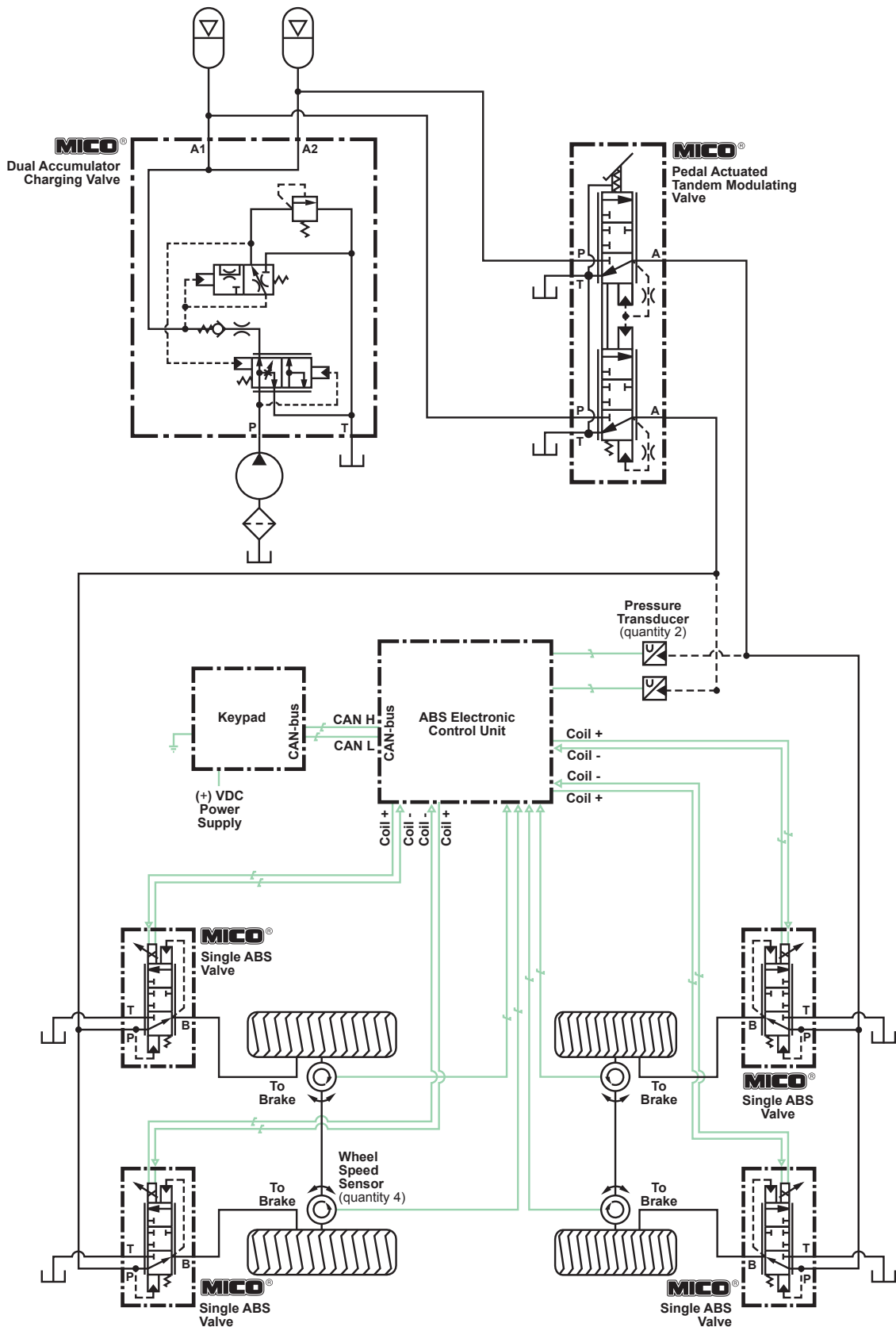
Wheel Loader System Schematic

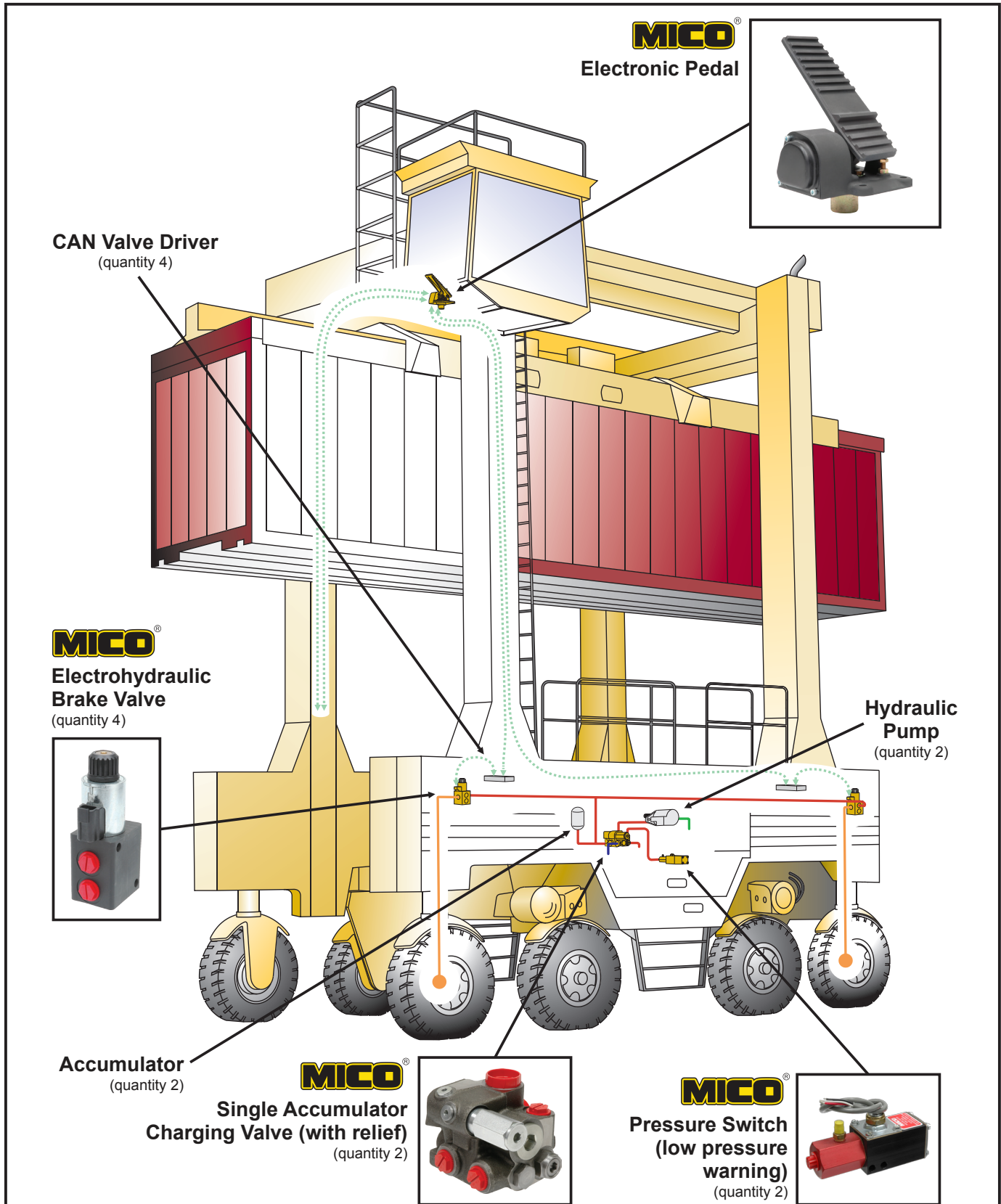


NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.



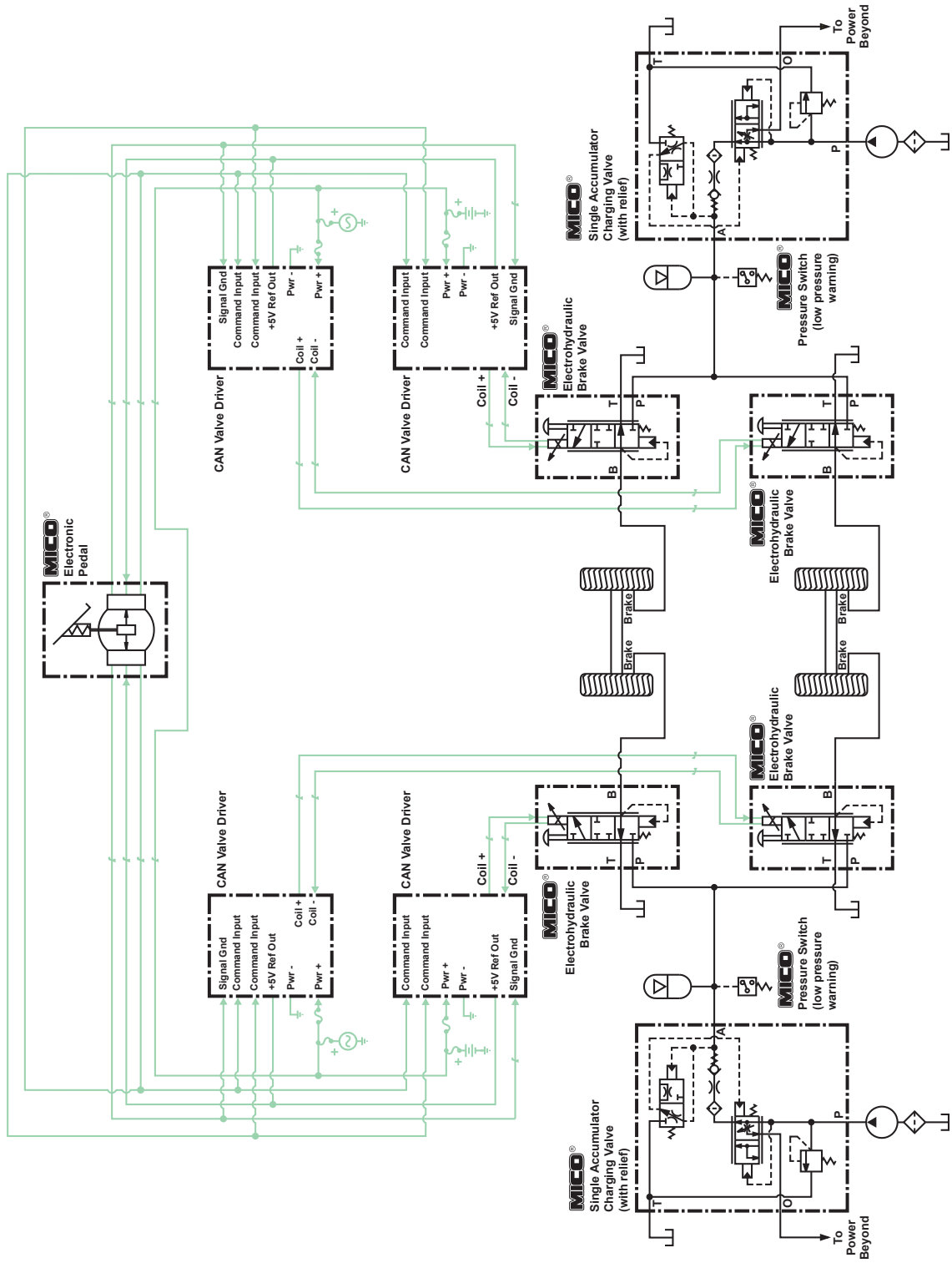
Agriculture Tractor System Schematic





NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.

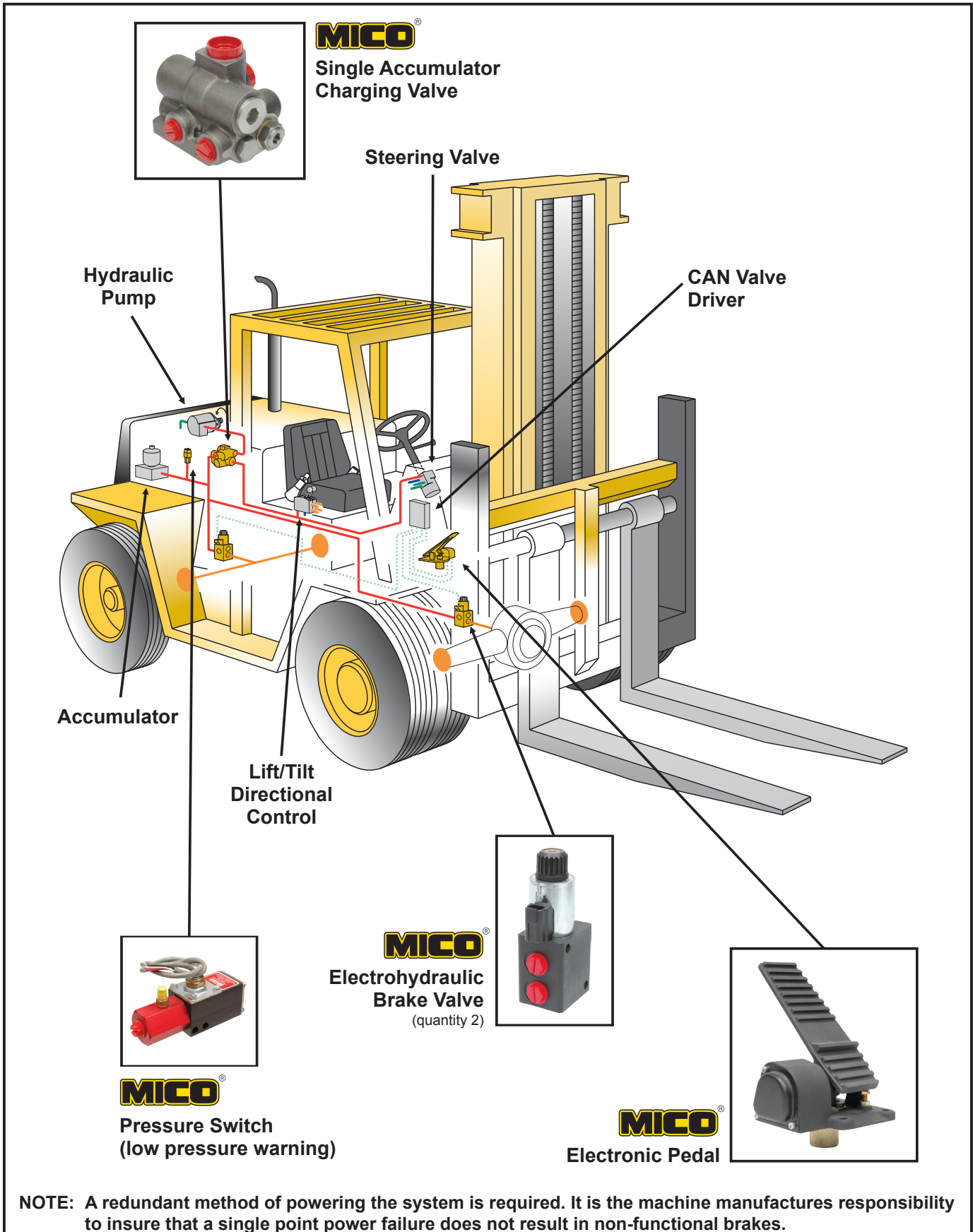
Straddle Carrier System Schematic



NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.

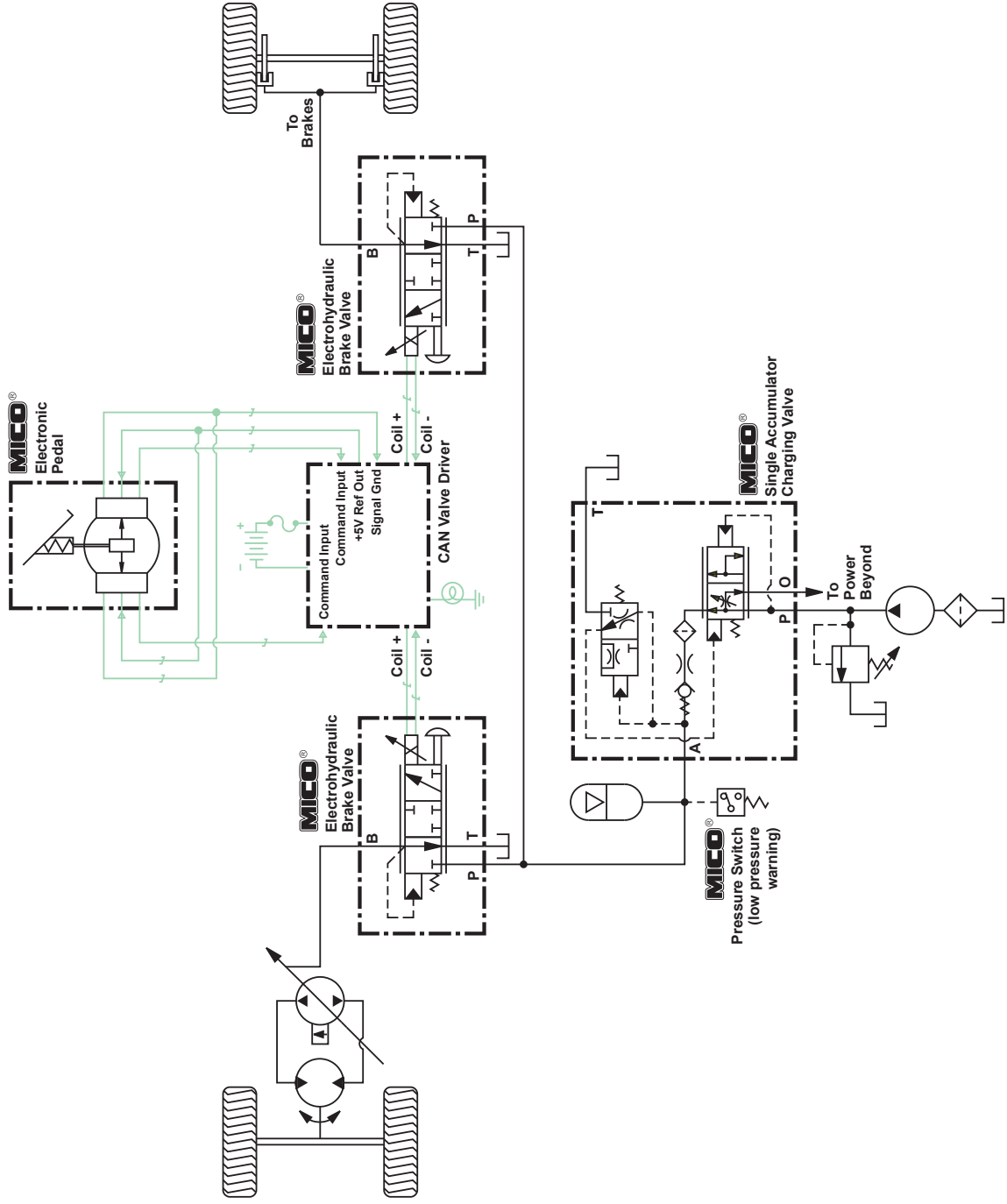


Electrohydraulic Components and Brake Systems Forklift (with inching control) example

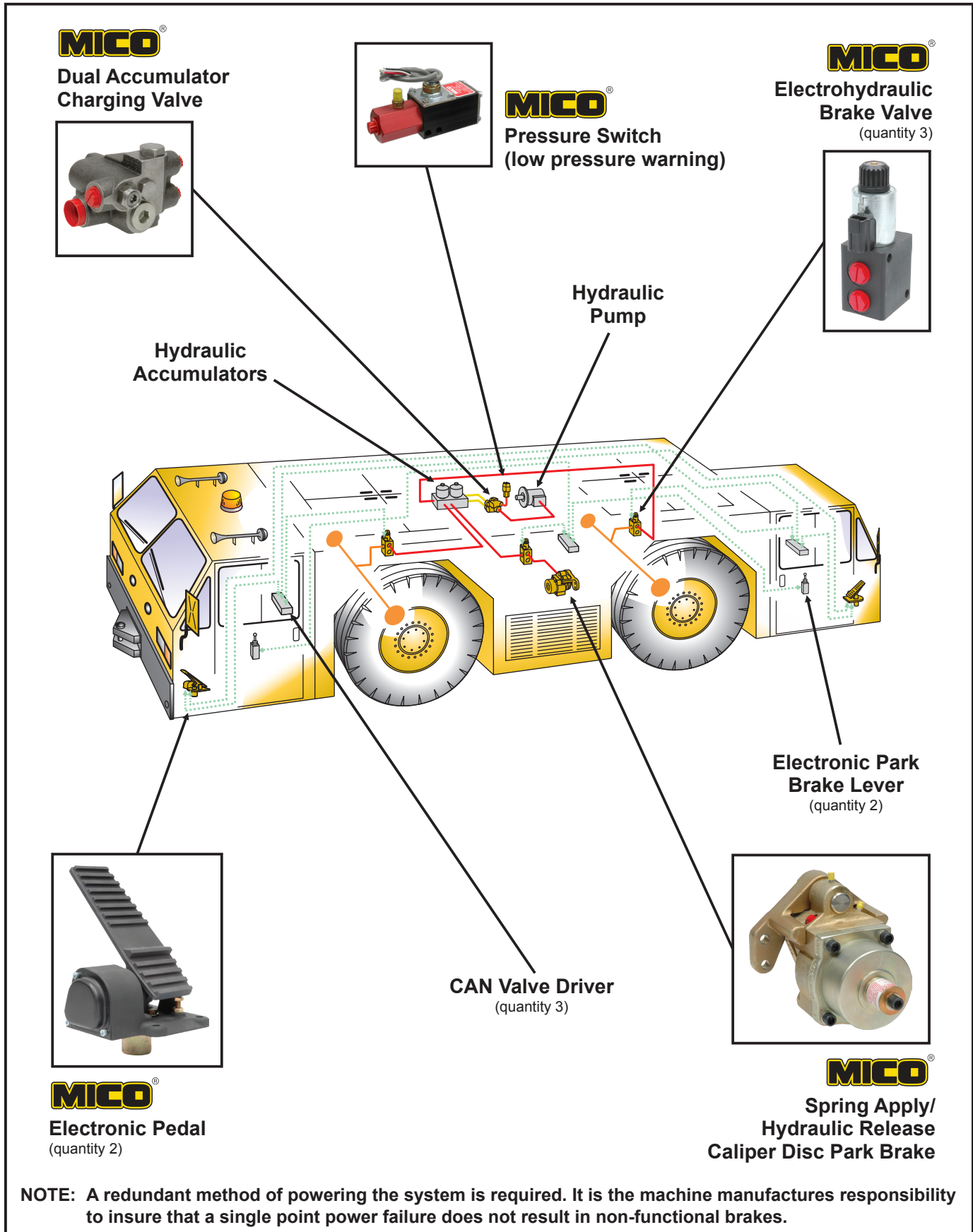


NOTE: A redundant method of powering the system is required. It is the machine manufactures responsibility to insure that a single point power failure does not result in non-functional brakes.

Forklift (with inching control) System Schematic

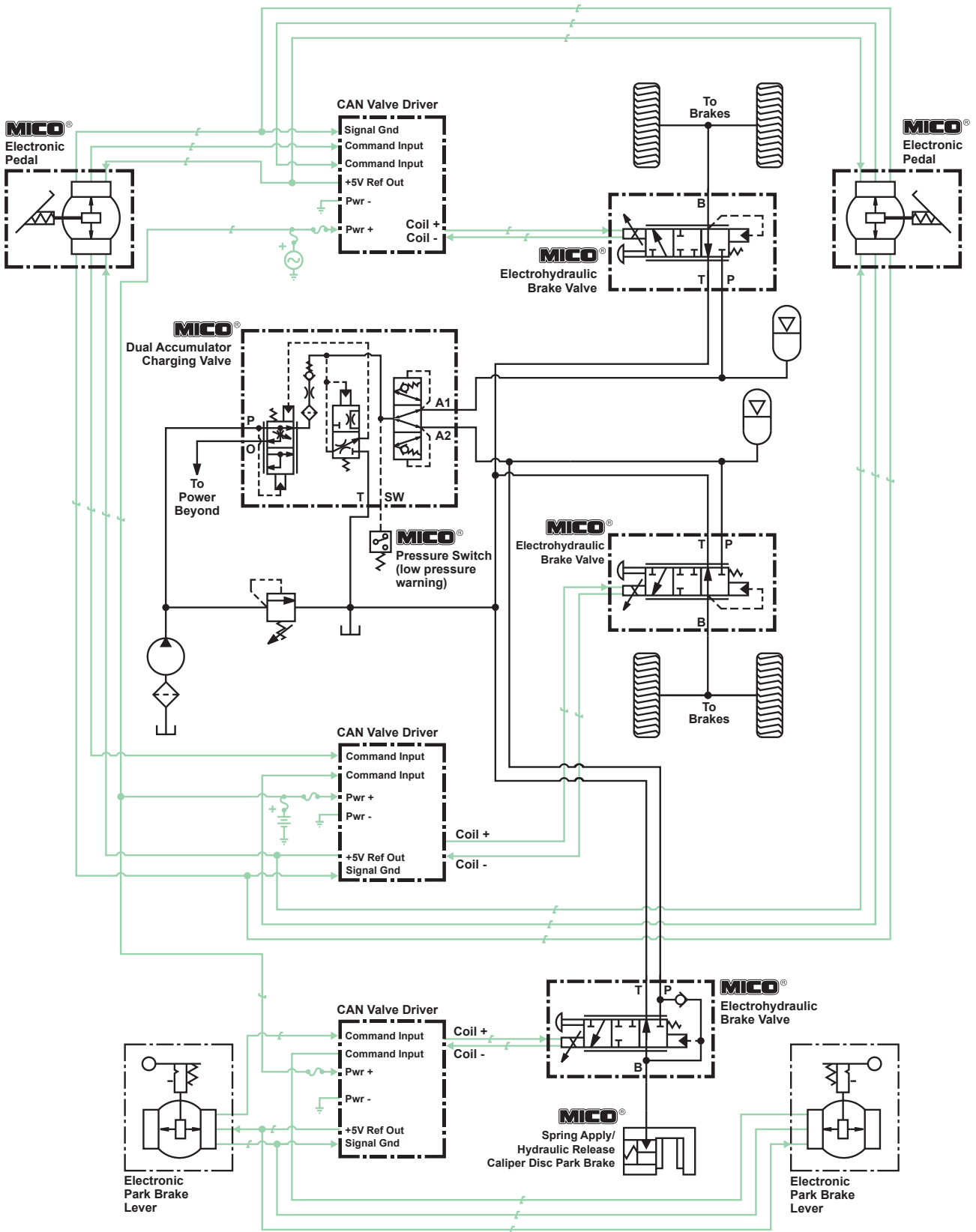


NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.

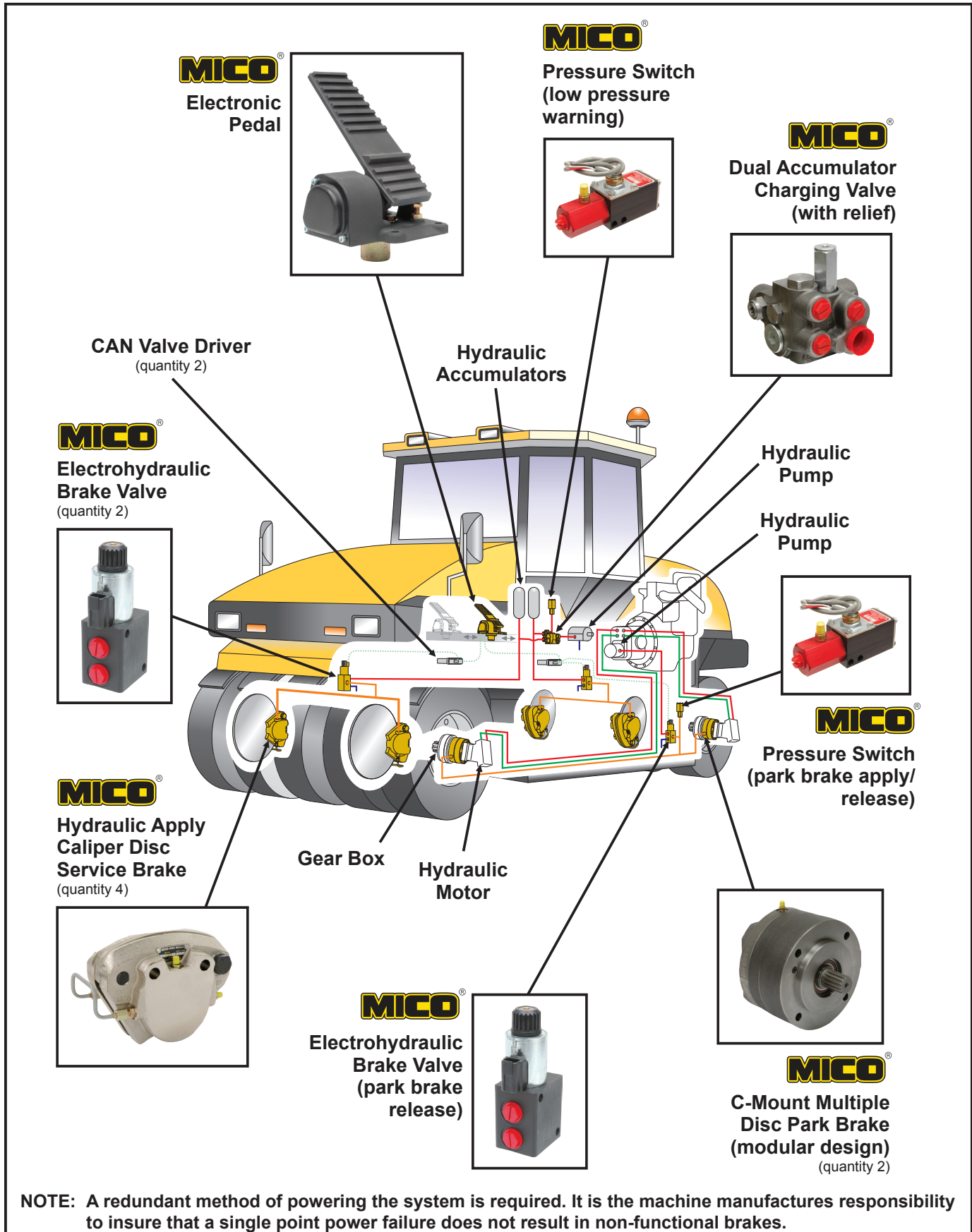


NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.

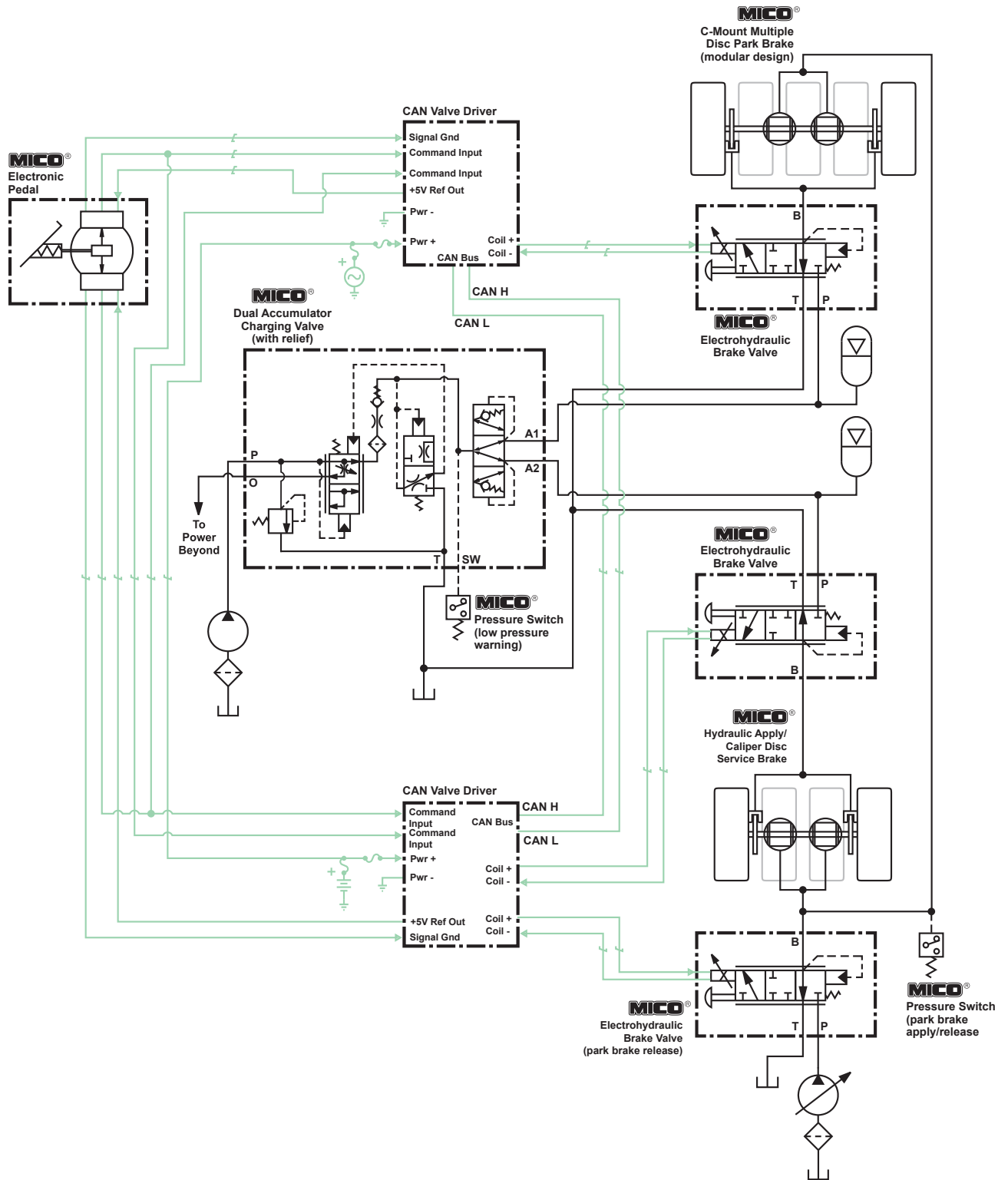
Aircraft Tow Tractor System Schematic



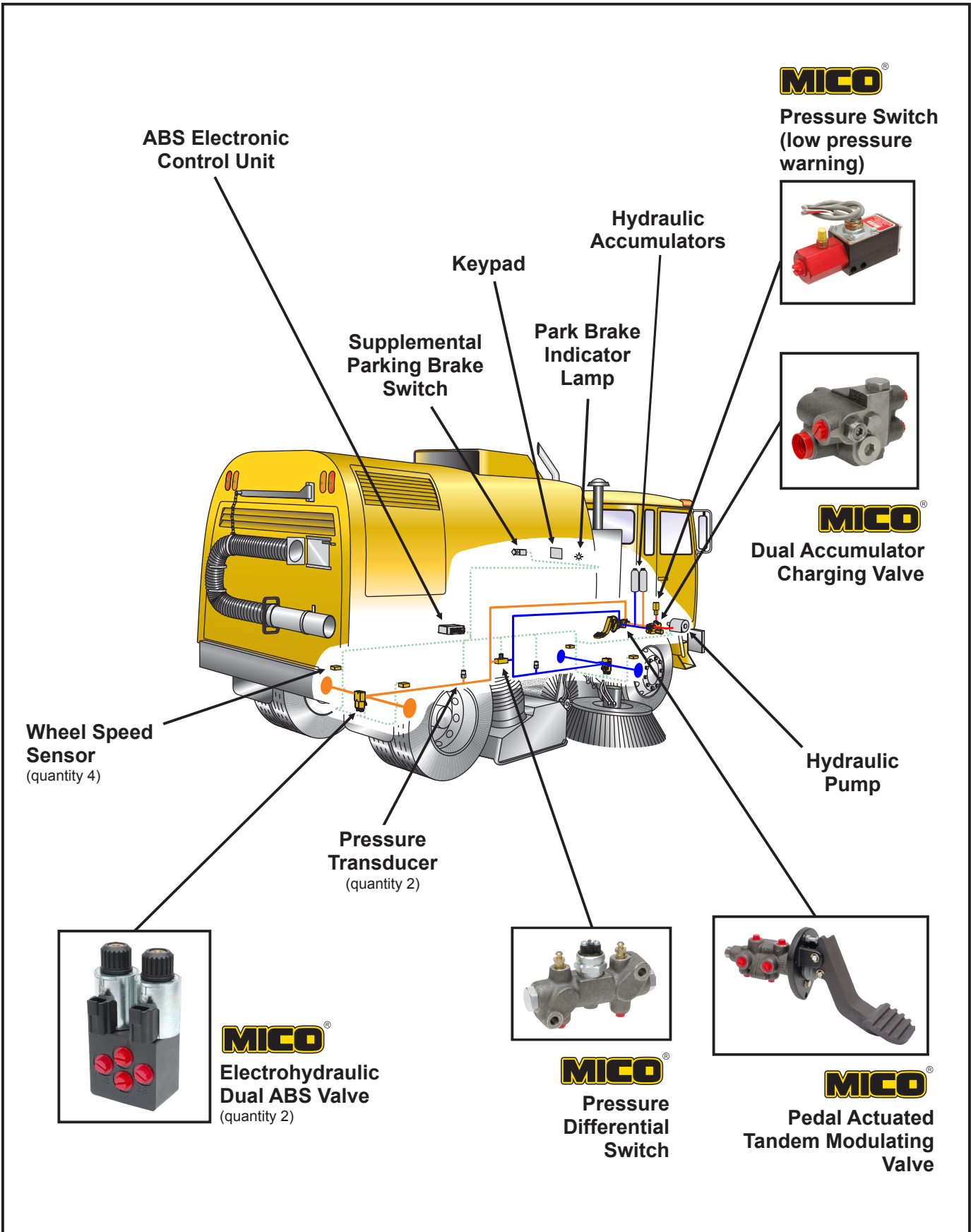
NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.



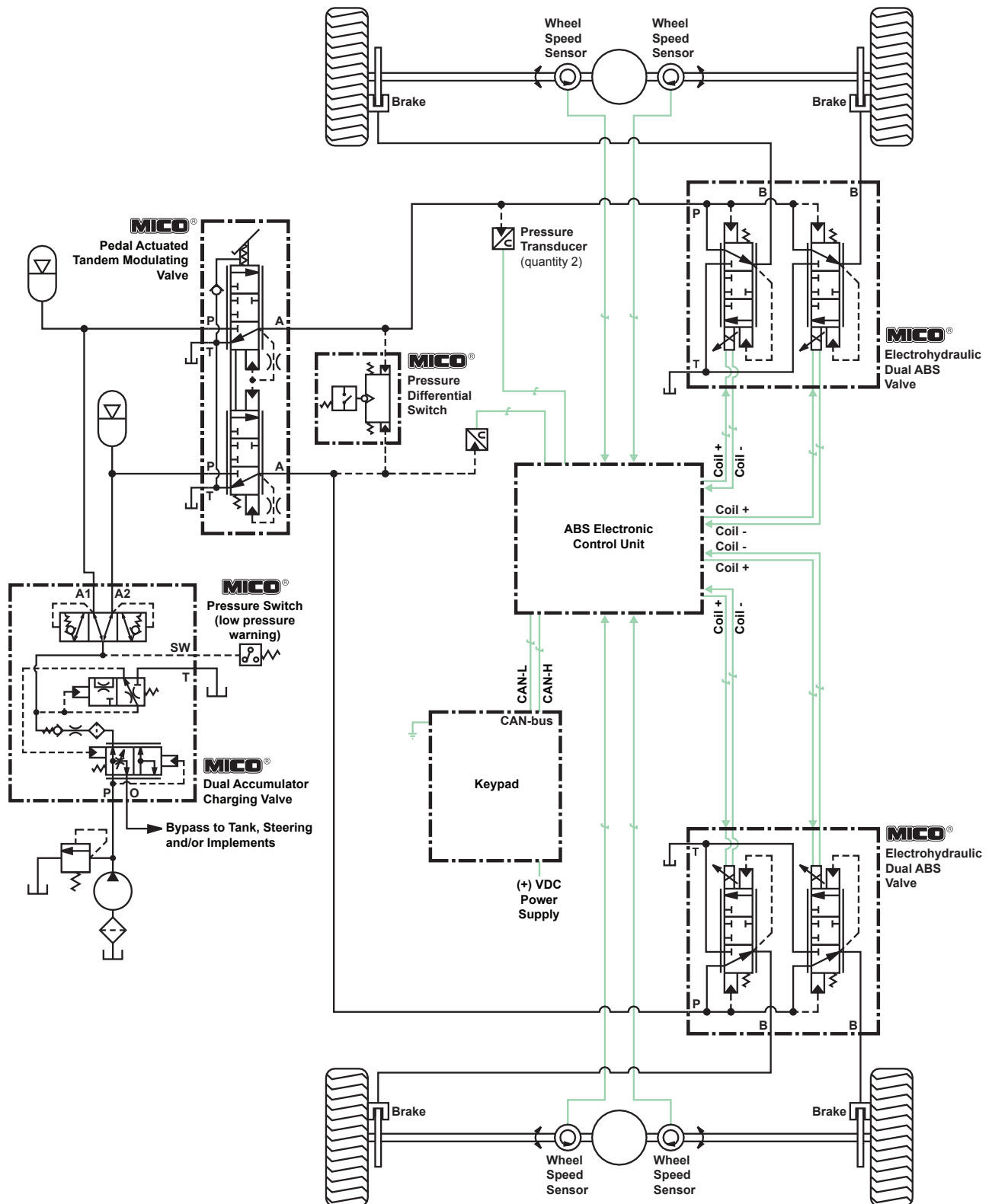
Rubber Tire Road Roller System Schematic

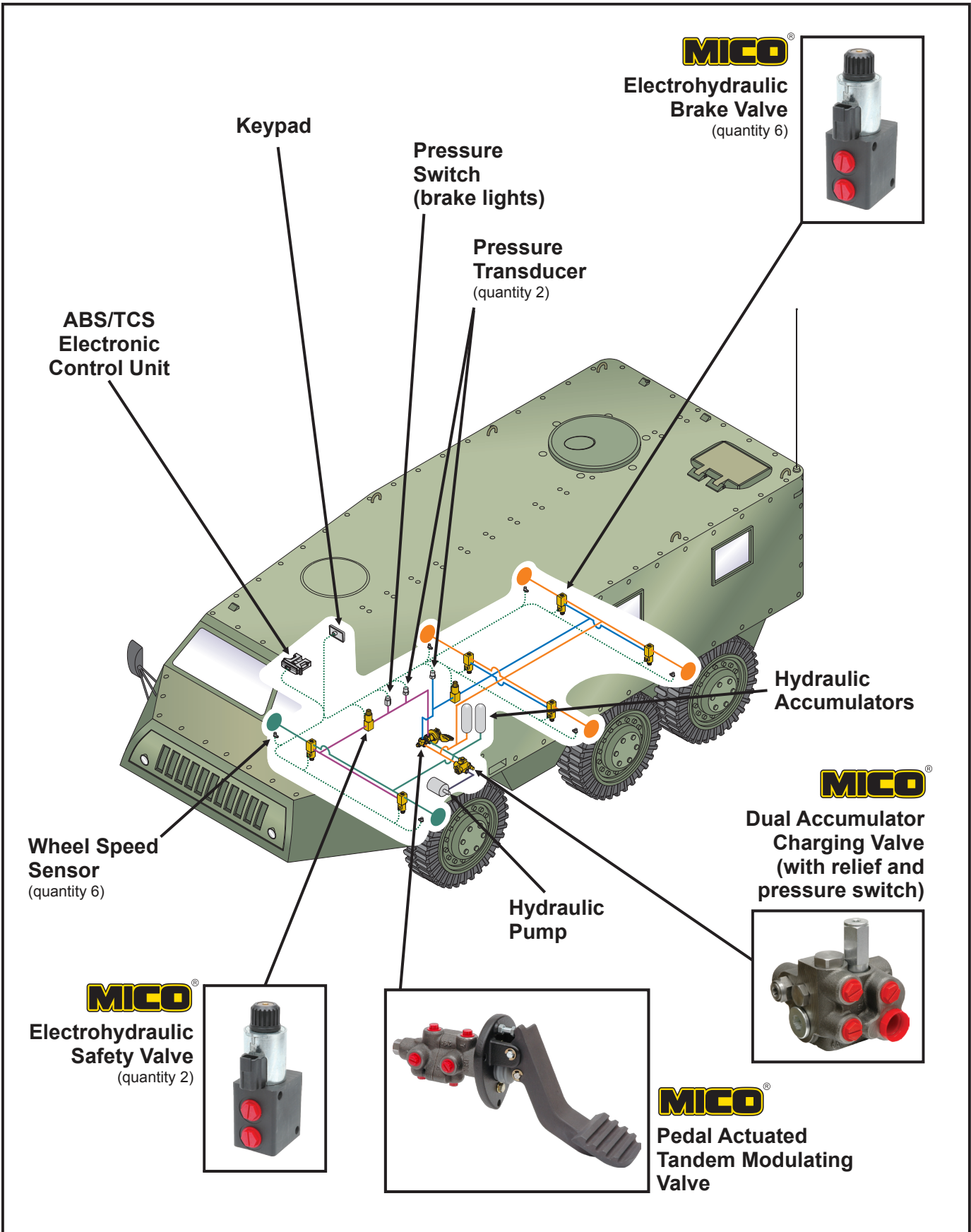


NOTE: A redundant method of powering the system is required. It is the machine manufacturers responsibility to insure that a single point power failure does not result in non-functional brakes.

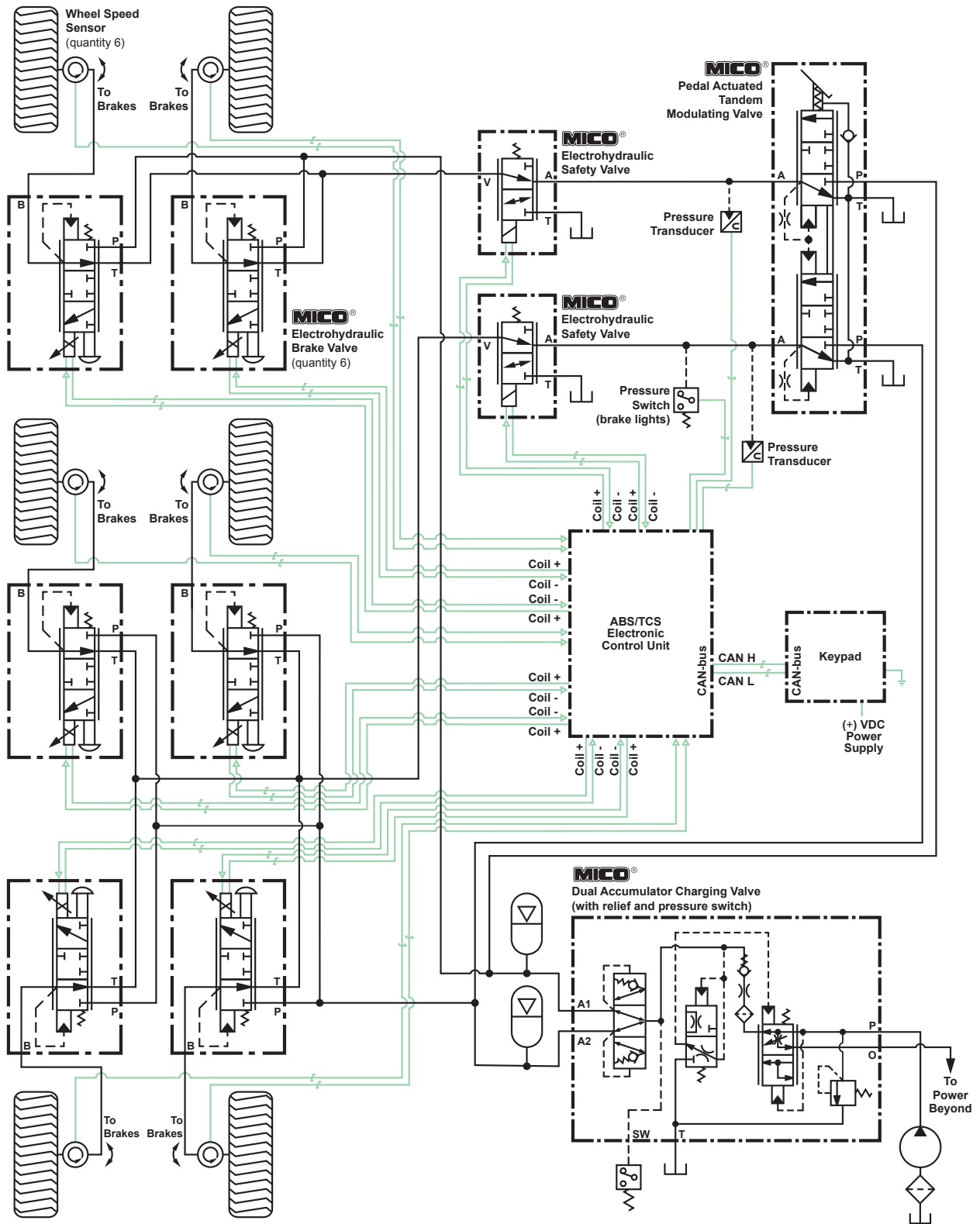


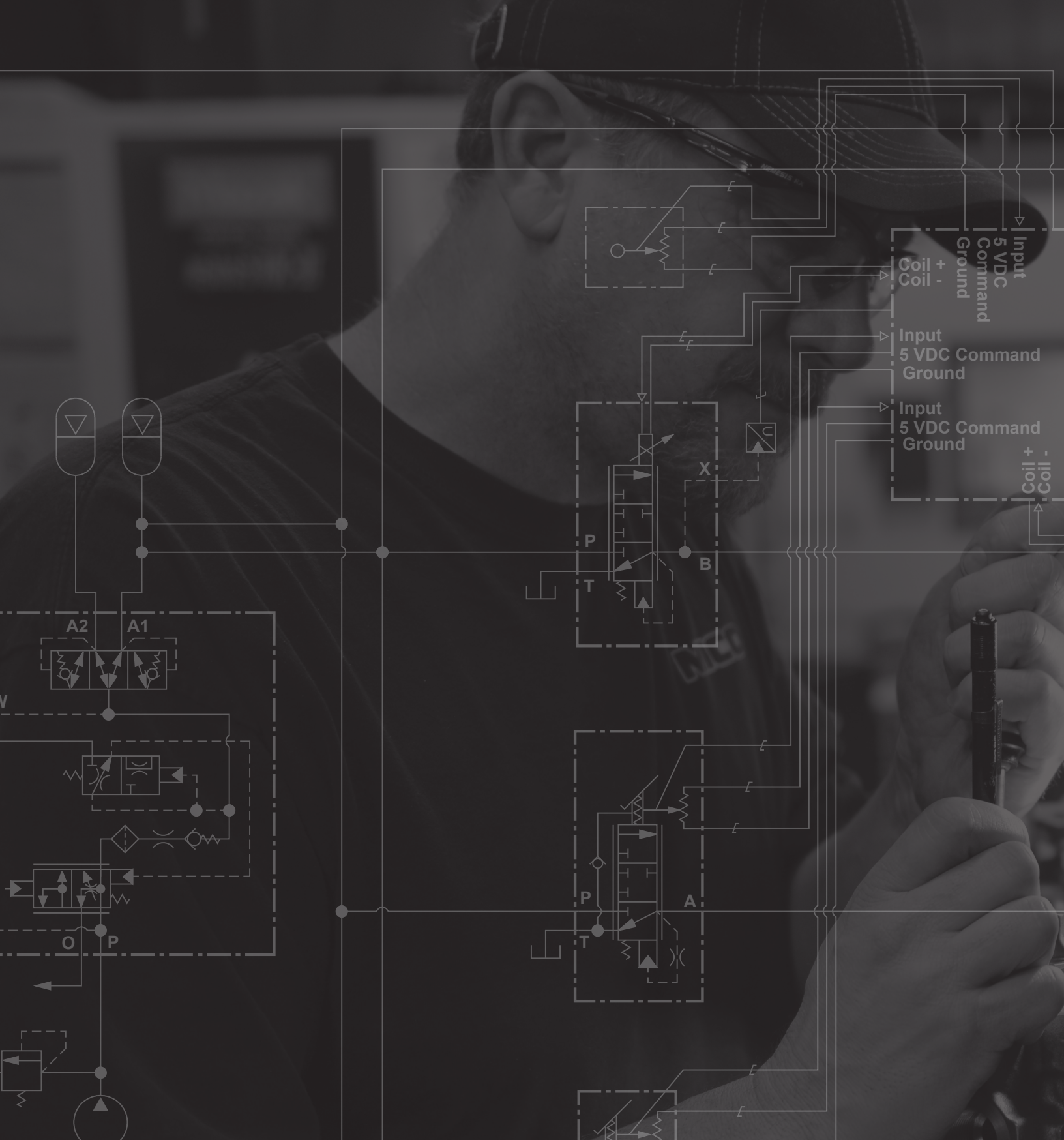
Street Sweeper System Schematic





Armoured Personnel Carrier System Schematic





MICO, Inc.

1911 Lee Boulevard
North Mankato, MN U.S.A. 56003-2507
tel: +1 507 625 6426 fax: +1 507 625 3212
www.mico.com

Form No. 84-950-025

Revised 2017-10-25

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