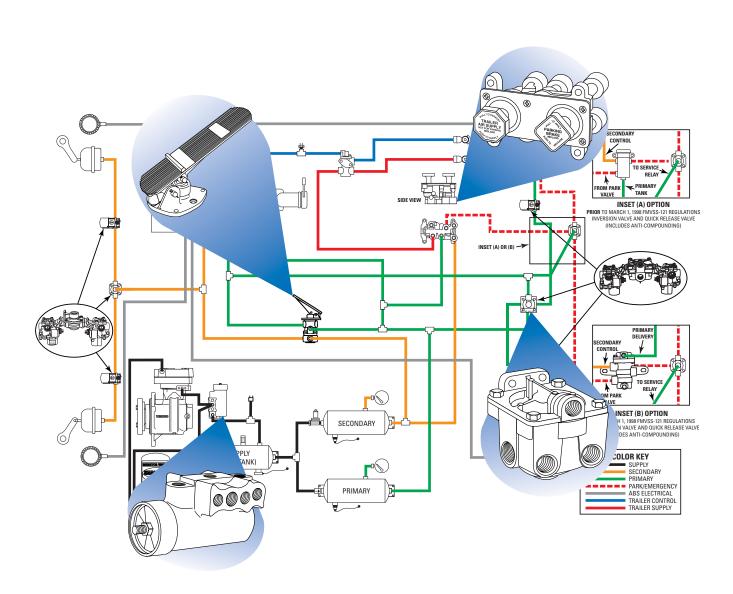


Meritor WABCO Air Brake Systems



Introduction MERITOR WABCO

The purpose of an air brake system on heavy duty vehicles is to convert air pressure to mechanical energy to activate the foundation brakes. Federal Motor Vehicle Safety Standard 121 dictates how this is to be done for over-the-road vehicles.

The purpose of this book is to help you construct Meritor WABCO Truck and Tractor air systems. It will also help you identify air system components and understand how they relate to FMVSS-121.

NOTE: The systems described in this workbook are generic air brake systems.

Included in this book are:

Truck Systems

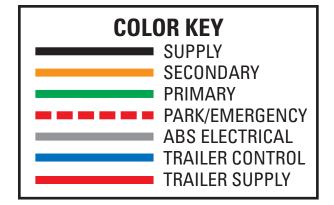
- Air Supply
- Secondary Service
- Primary Service
- Parking
- Anti-Compounding
- Emergency (Prior to 3/1/98)
- Emergency (After 3/1/98)

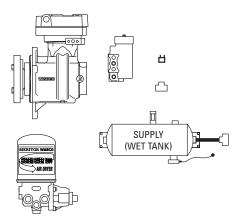
Tractor/Trailer Systems

- Tractor Parking & Trailer Air Supply
- Trailer Control

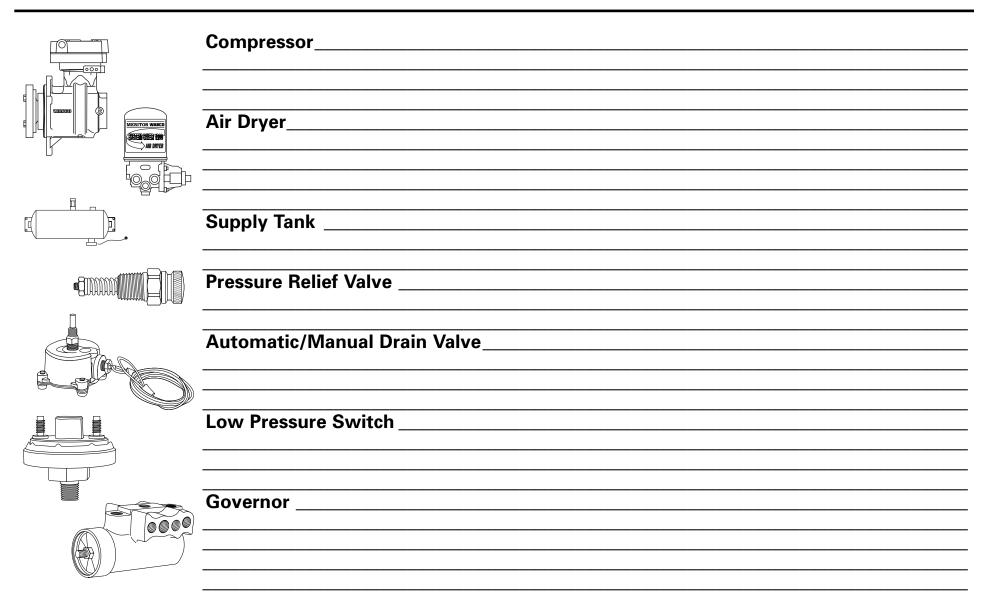
For additional information, call ArvinMeritor's Customer Service Center at 800-535-5560.

Air Brake System Color Key

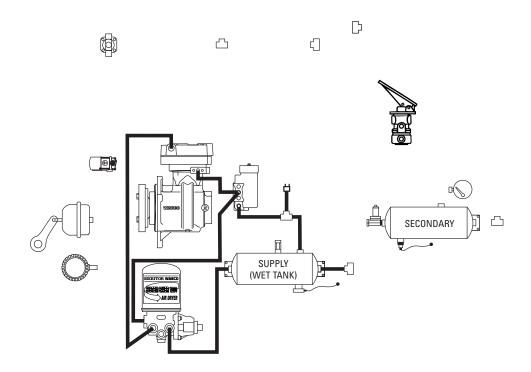




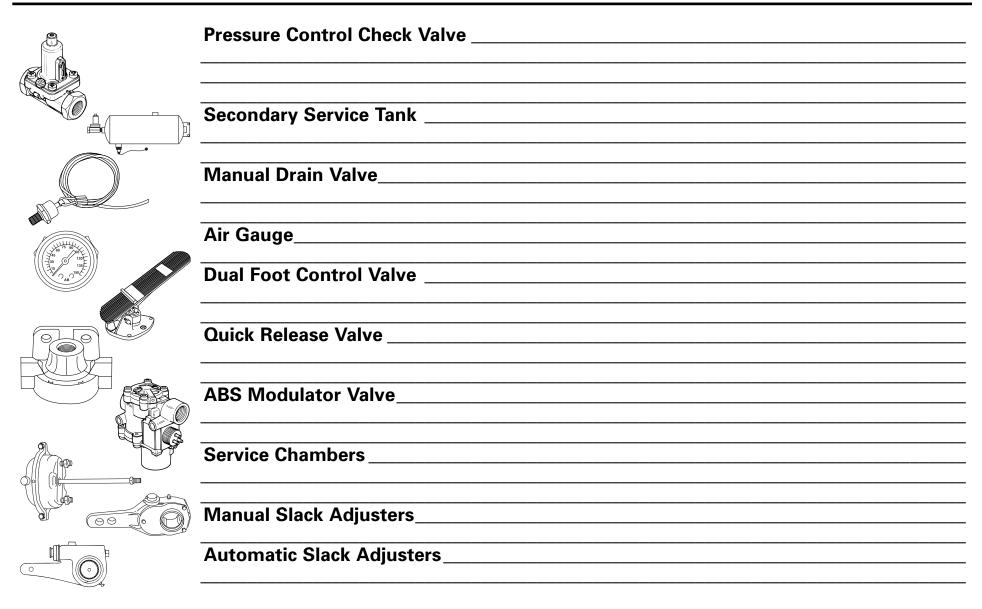
Truck Air Supply System

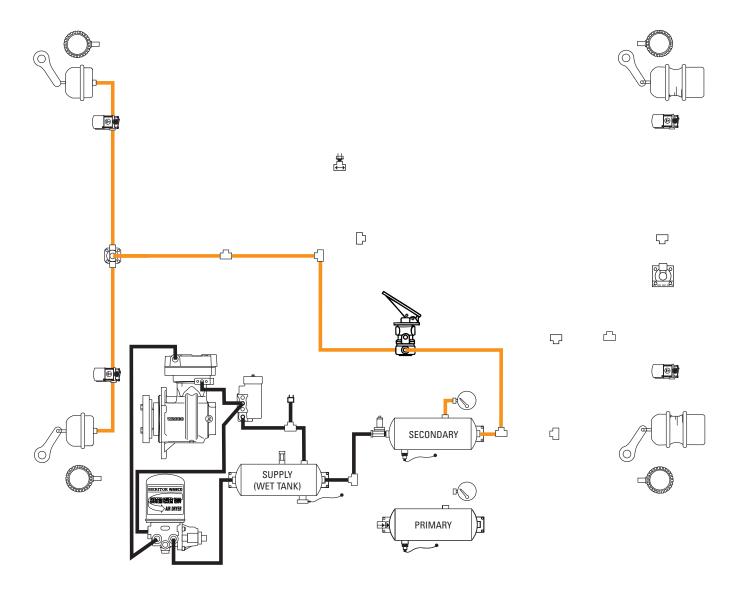




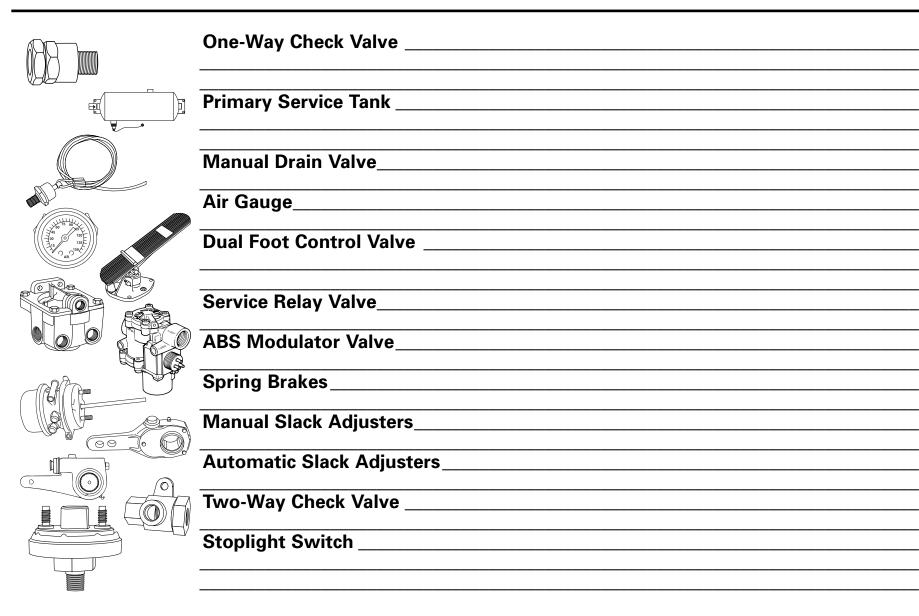


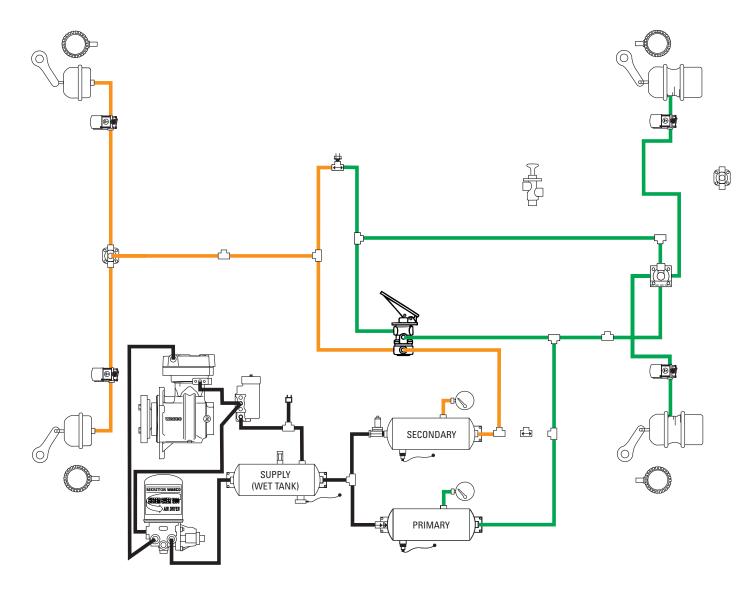
Truck Secondary Service System



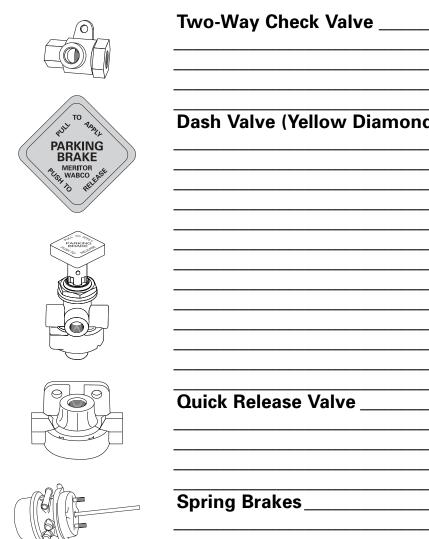


Truck Primary Service System

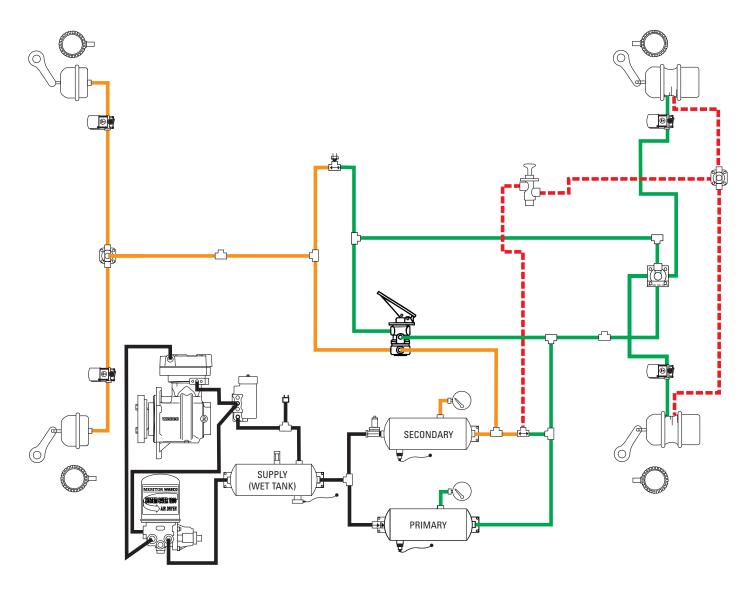




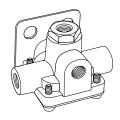
Truck Parking System



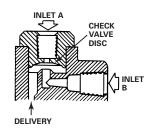
Two-Way Check Valve	
Dash Valve (Yellow Diamond Knob)	
Quick Release Valve	
Spring Brakes	

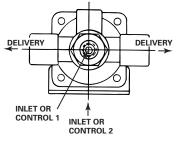


Truck Anti-Compounding System

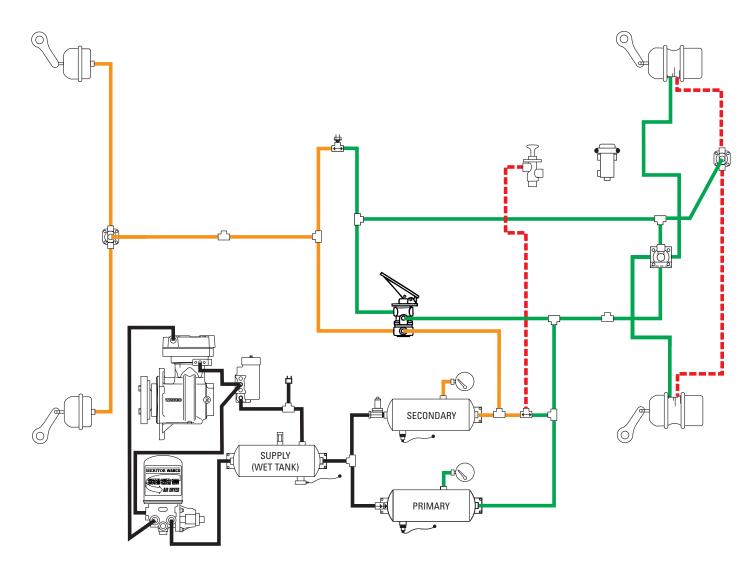


Quick Release With Two-Way Check Valve	
•	



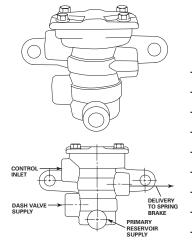


DV	
ERY	

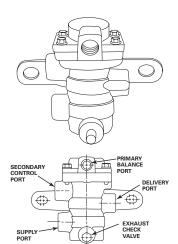


Truck Emergency System

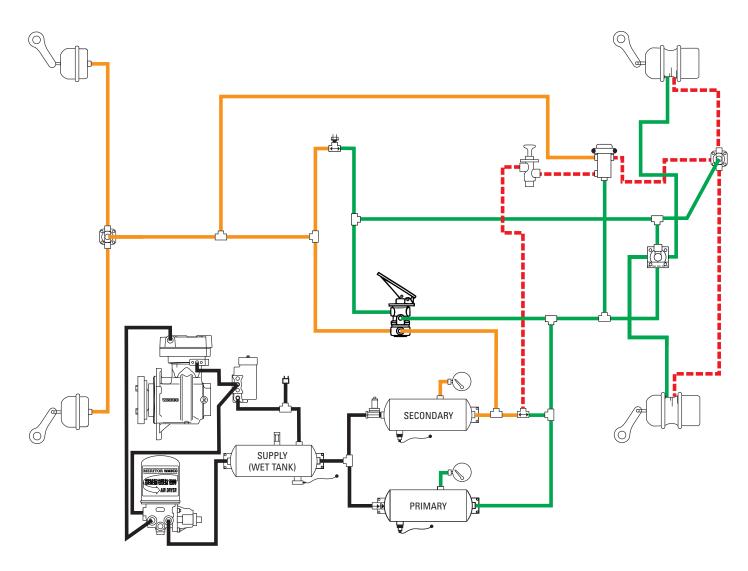
MERITOR WABCO

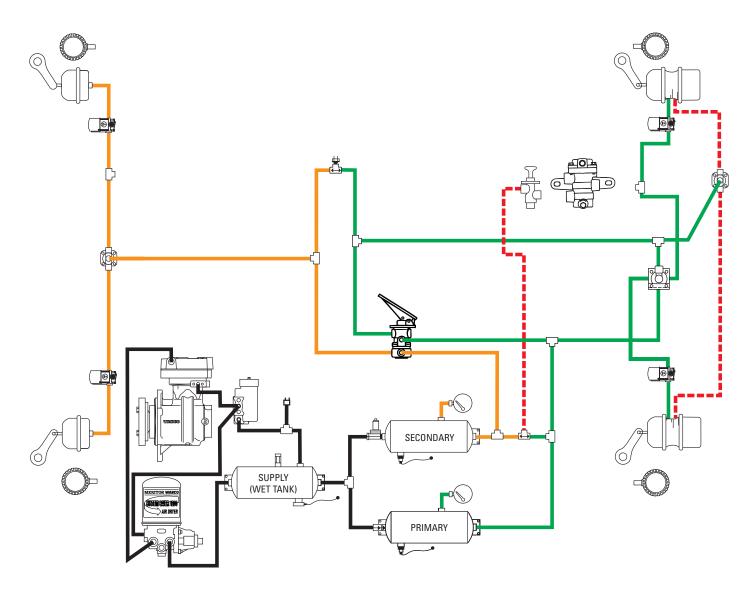


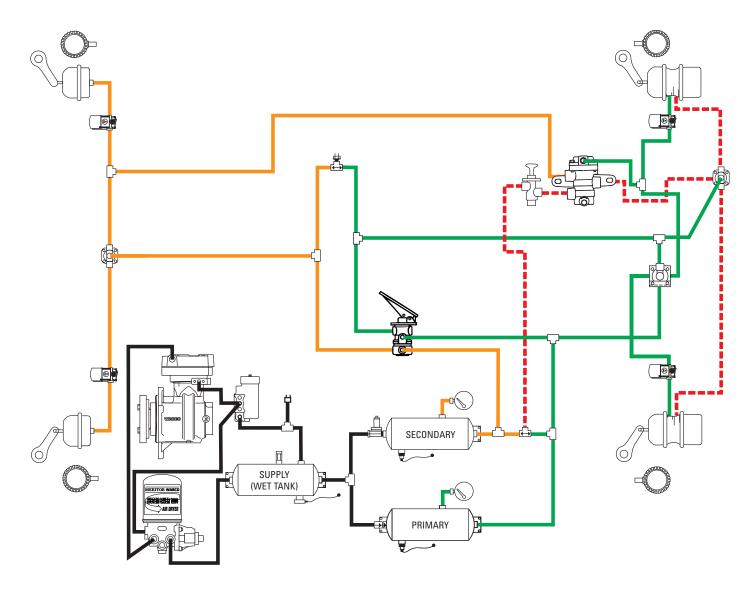
Inversion Valve (Prior to March 1, 1998)
Meritor WABCO Production Part Number 9718990010
Meritor WABCO Service Part Number RKN28030

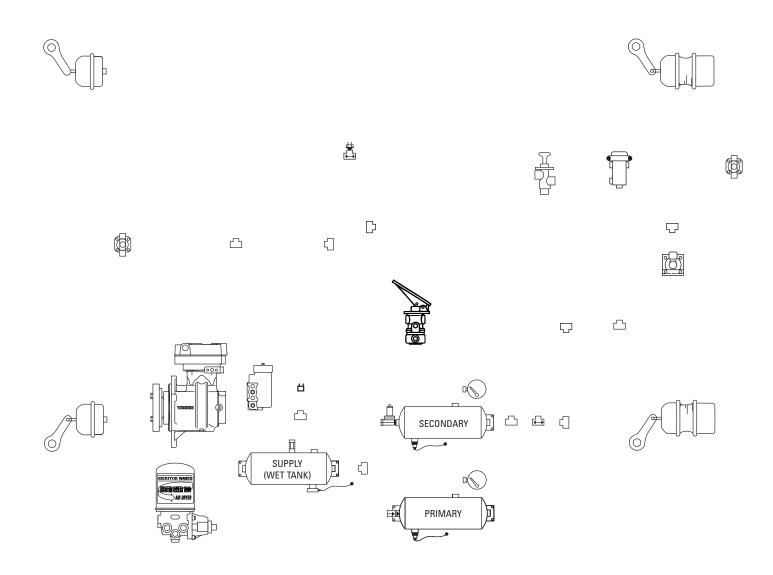


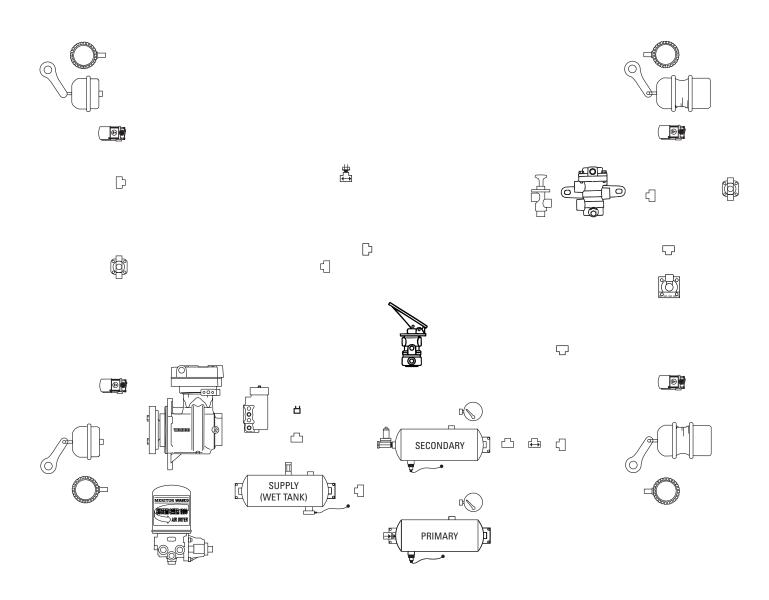
New Inversion Valve (Used After March 1, 1998)
Meritor WABCO Production Part Number 9718990020
Meritor WABCO Service Part Number RKN28032

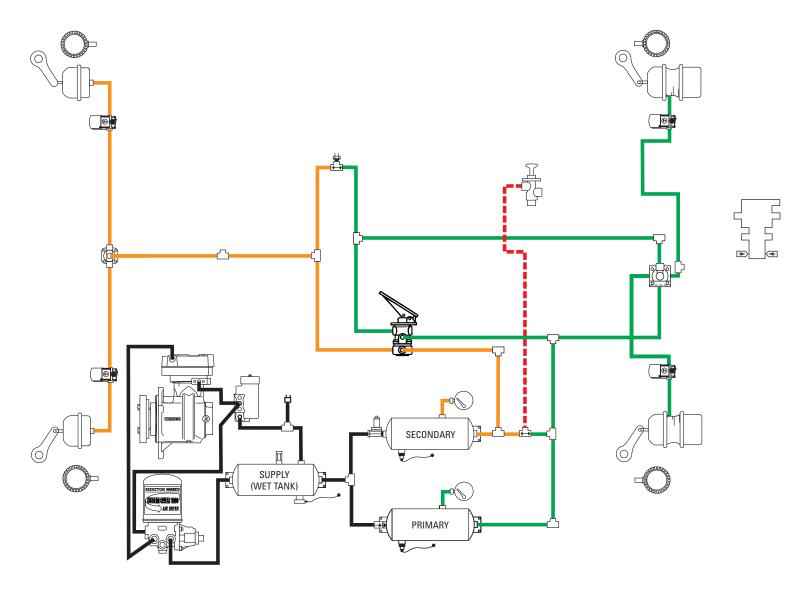




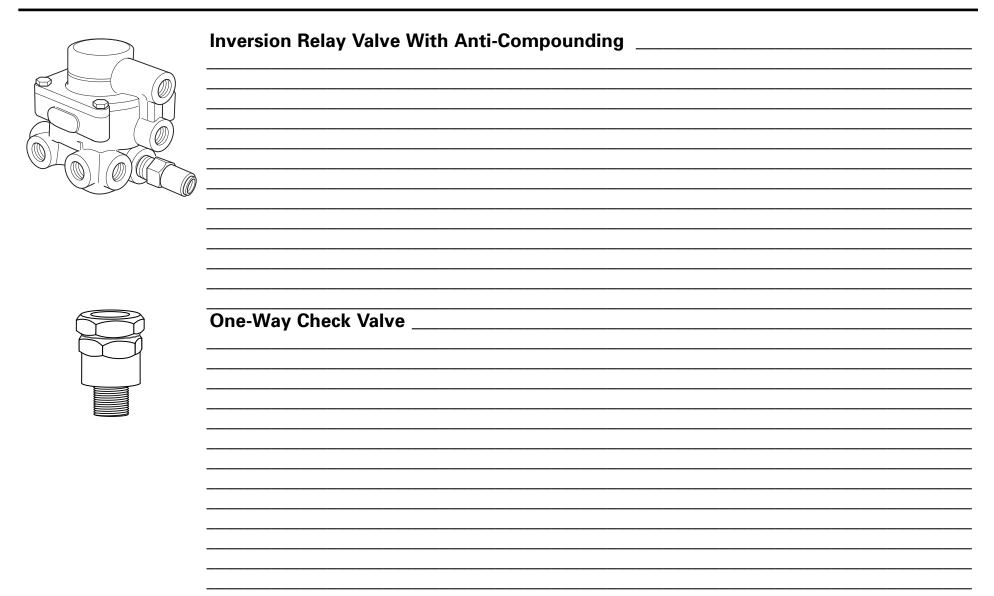


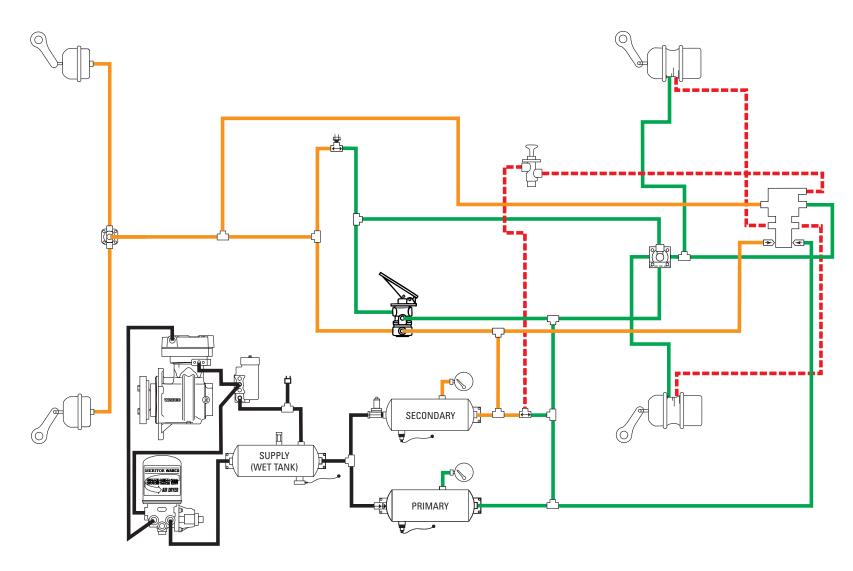


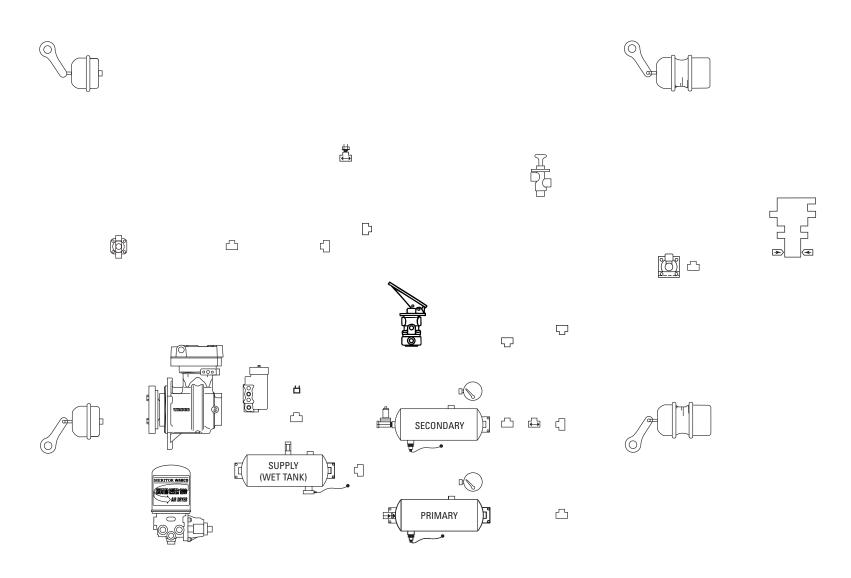


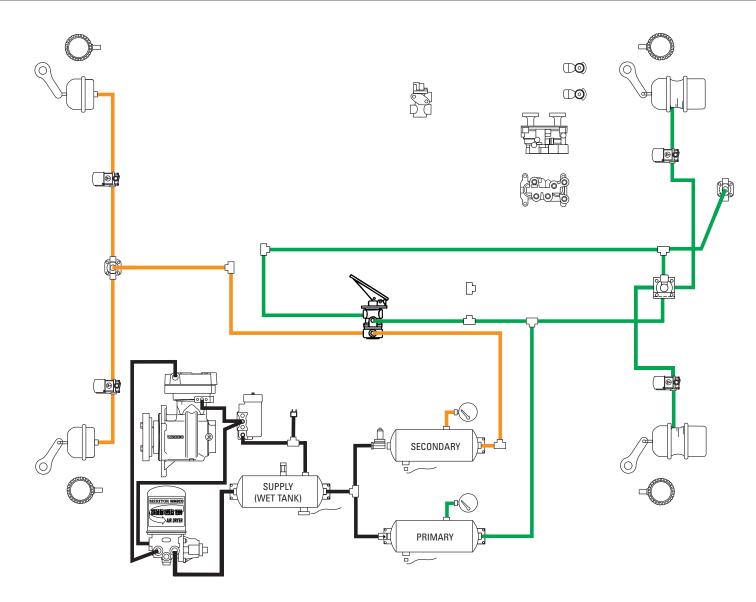


Truck Anti-Compounding/Emergency System

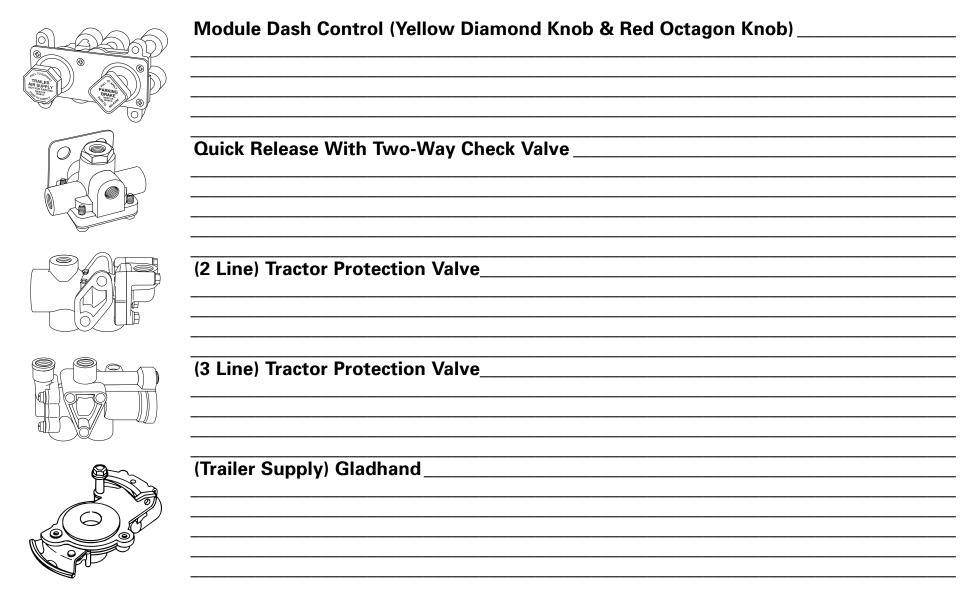


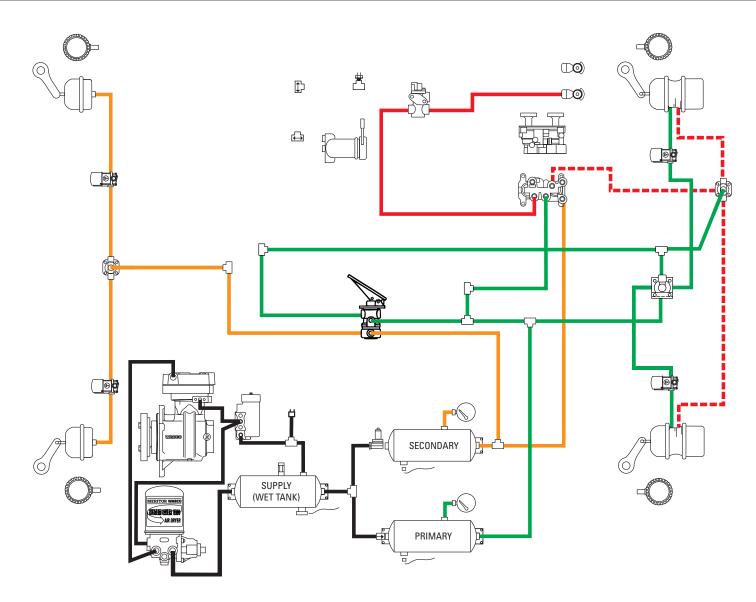




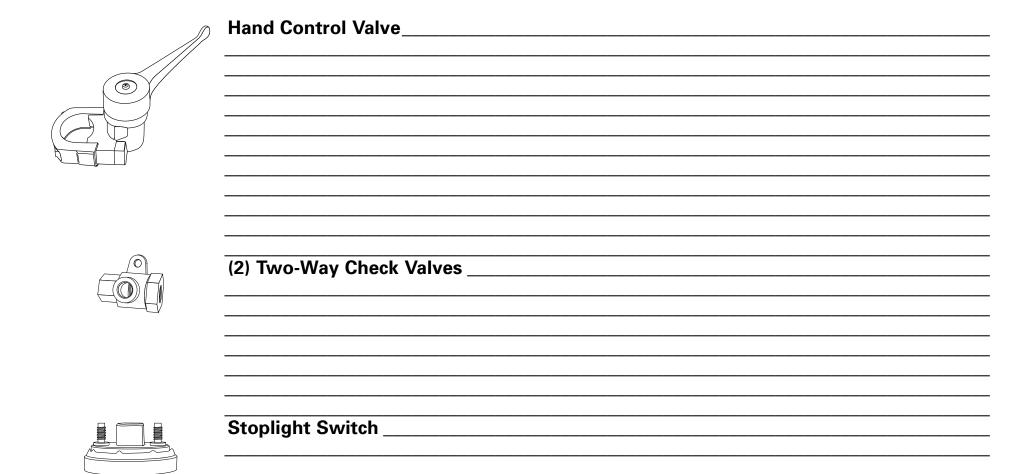


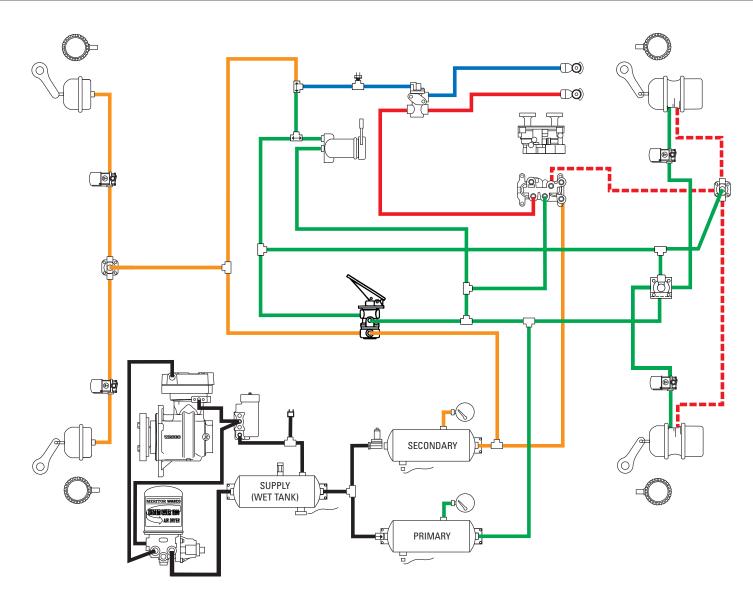
Tractor Parking and Trailer Air Supply System



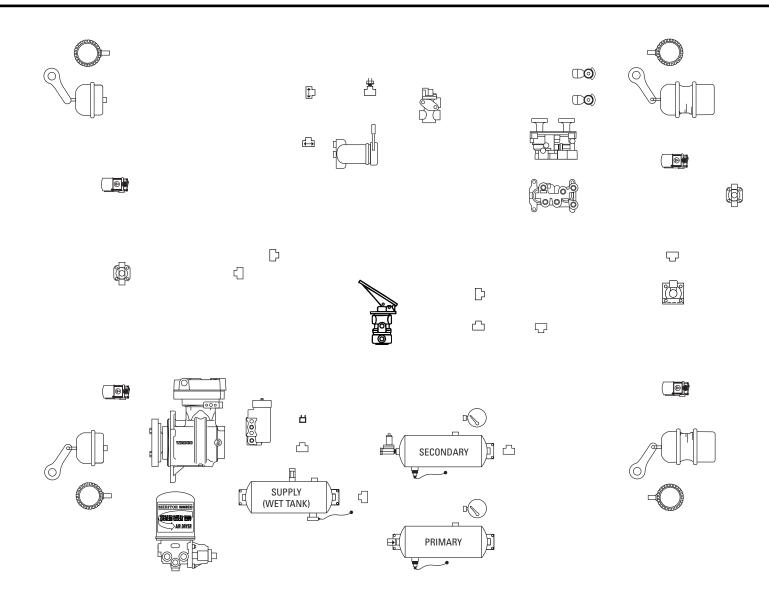


Tractor Trailer Control System





Tractor Self Test







Meritor WABCO

Vehicle Control Systems 3331 West Big Beaver Road, Suite 300 Troy, MI 48084 USA 800-535-5560 meritorwabco.com Information contained in this publication was in effect at the time the publication was approved for printing and is subject to change without notice or liability. ArvinMeritor Commercial Vehicle Systems reserves the right to revise the information presented or discontinue the production of parts described at any time.

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