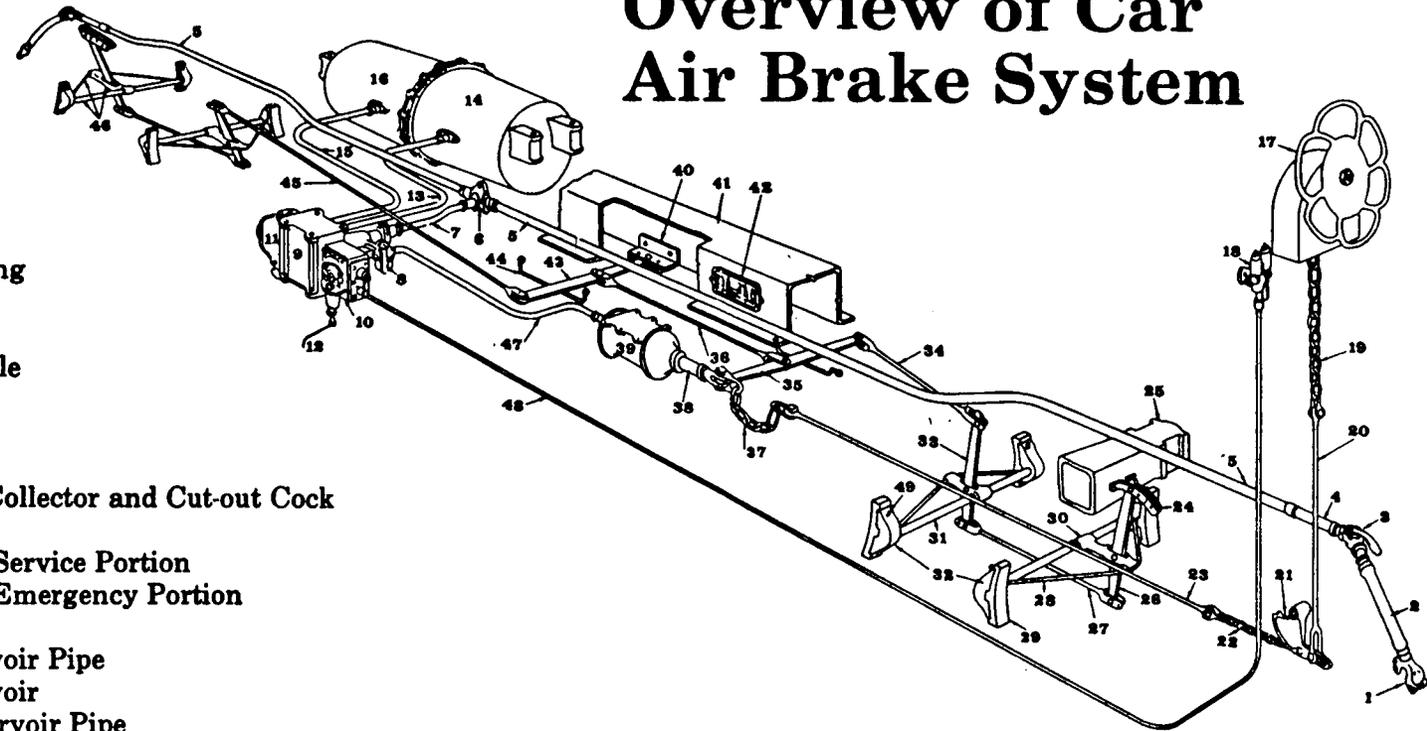


# Overview of Car Air Brake System



1. Air Hose Coupling
2. Air Brake Hose
3. Angle Cock
4. Brake Pipe Nipple
5. Brake Pipe
6. Branch Pipe Tee
7. Branch Pipe
8. Combined Dirt Collector and Cut-out Cock
9. Pipe Bracket
10. Control Valve—Service Portion
11. Control Valve—Emergency Portion
12. Release Rod
13. Auxiliary Reservoir Pipe
14. Auxiliary Reservoir
15. Emergency Reservoir Pipe
16. Emergency Reservoir
17. Hand Brake
18. Retainer Valve
19. Hand Brake Winding Chain
20. Hand Brake Vertical Rod
21. Hand Brake Bell Crank
22. Bell Crank Brake Chain
23. Hand Brake Connecting Rod
24. Dead Lever Guide
25. Truck Bolster
26. Truck Dead Lever
27. Bottom Rod
28. Brake Beam Tension Member
29. Brake Shoe
30. Brake Beam Truss
31. Brake Beam Compression Member
32. Brake Head
33. Truck Live Lever
34. Cylinder and Truck Lever Connecting Rod

35. Cylinder Lever
36. Cylinder and Floating Lever Connecting Rod
37. Hand Brake Connecting Chain
38. Piston Hollow Rod
39. Brake Cylinder
40. Floating Lever Fulcrum
41. Center Sill
42. Brake Badge Plate
43. Floating Lever
44. Floating Lever Guide
45. Floating and Truck Level Connecting Rod (top rod)
46. Brake Beam
47. Brake Cylinder Pipe
48. Retainer Pipe
49. Brake Shoe Key