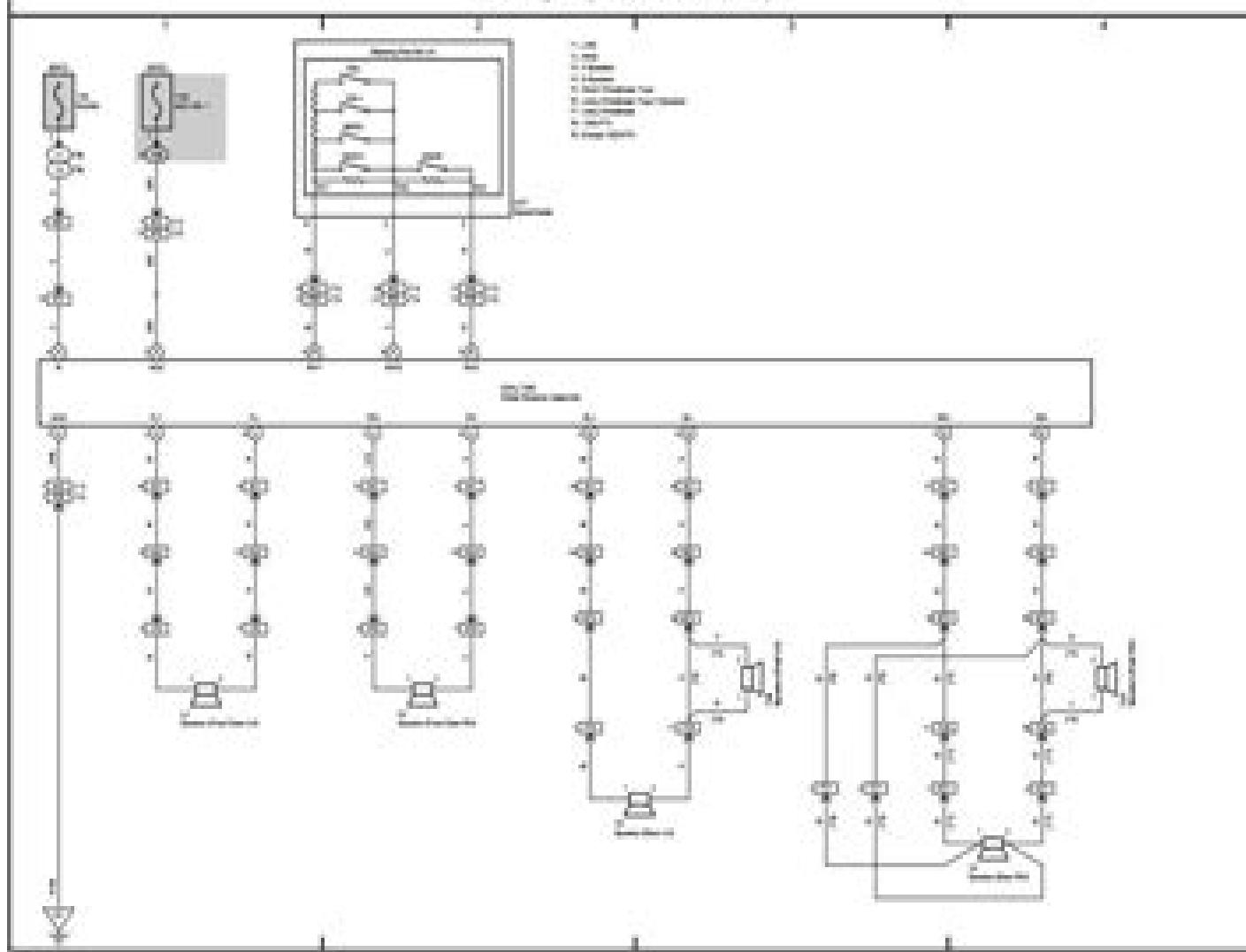


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elementary relationship of volts amperes and ohms is given first consideration then the pivotal point of drop of potential is emphasized and expanded and the first applications of this idea brought as is believed clearly to the reader's attention. Means of calculating drop finding the circular mils of the wire and arriving at its numbered gauge size without a table are given. This may be regarded as the primary object of the book and will be considered by wiremen who master this method as well worth the slight labor involved. The further expansion of the simple circuit into others of a more complex type represents the next stage of progress. From this step on the subject matter leads into a consideration of the principles of switchboard design with reference to shunt and compound wound generators. The apparatus employed on switchboards is of great importance in electric lighting. Though as is commonly supposed the switchboard represents the means by which all important circuits are concentrated and controlled it is also the measuring and protective as well as the distributing center of the electric light or power system. Wiring embraces this as well as the moulding and pipe work as will be readily understood by the intelligent reader. It is incompletely treated however unless the meaning of alternating current phenomena which relate to wiring as well as simple arithmetical methods of getting the sizes of wire for such circuits also receive careful attention. About the Publisher: Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com. This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully. Any imperfections that remain are intentionally left to preserve the state of such historical works.

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