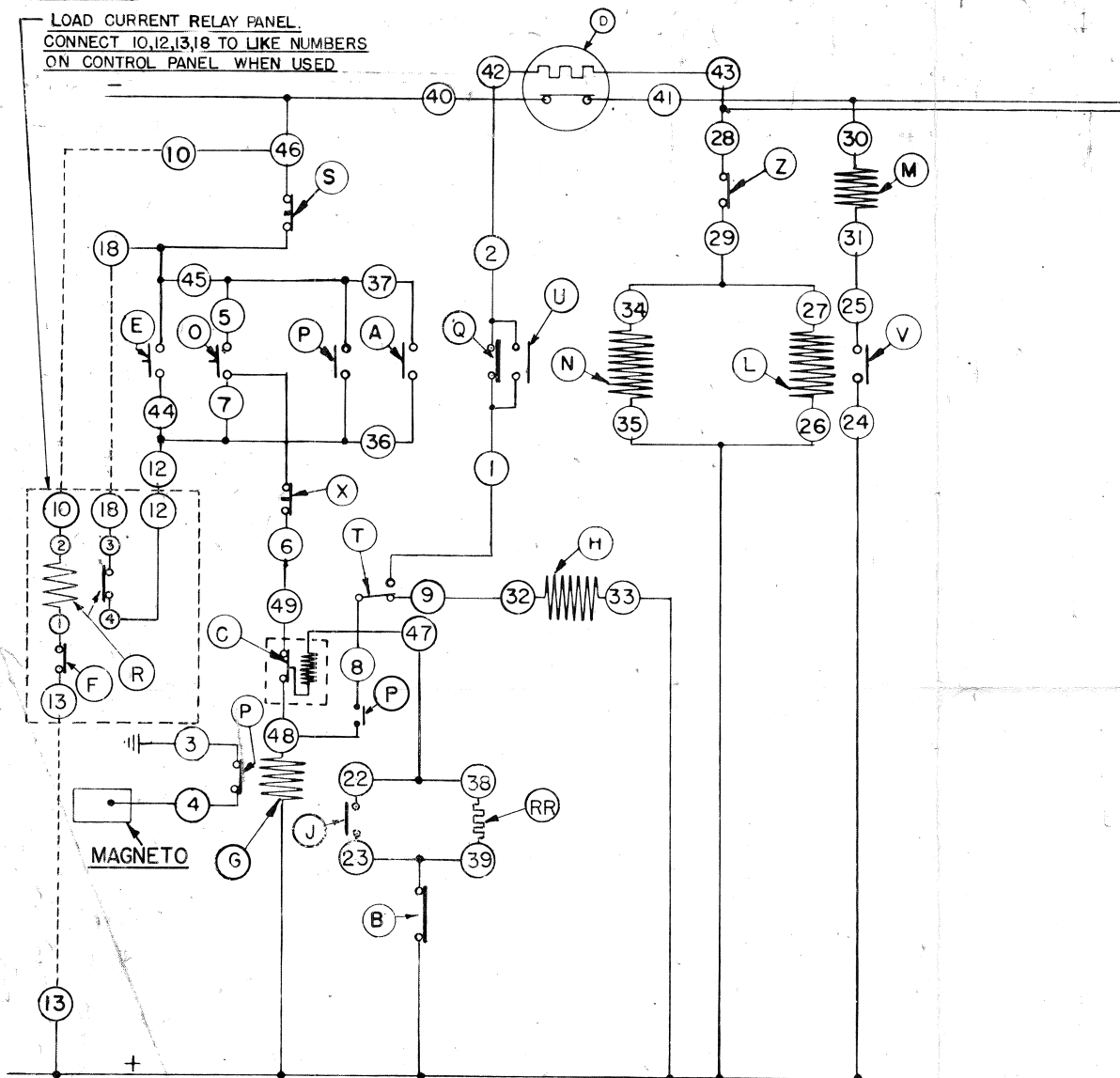


LOAD CURRENT RELAY PANEL.
CONNECT 10,12,13,18 TO LIKE NUMBERS
ON CONTROL PANEL WHEN USED



A AUTOMATIC STARTING TIMER
B LOW CURRENT RELAY
C INTERMITTENT STARTING SWITCH
D OIL-HEAT STOP SWITCH
E MANUAL START SWITCH (PANEL)
F LOAD CURRENT RELAY
G CONTROL CIRCUIT RELAY COIL
H STARTING CONTACTOR COIL

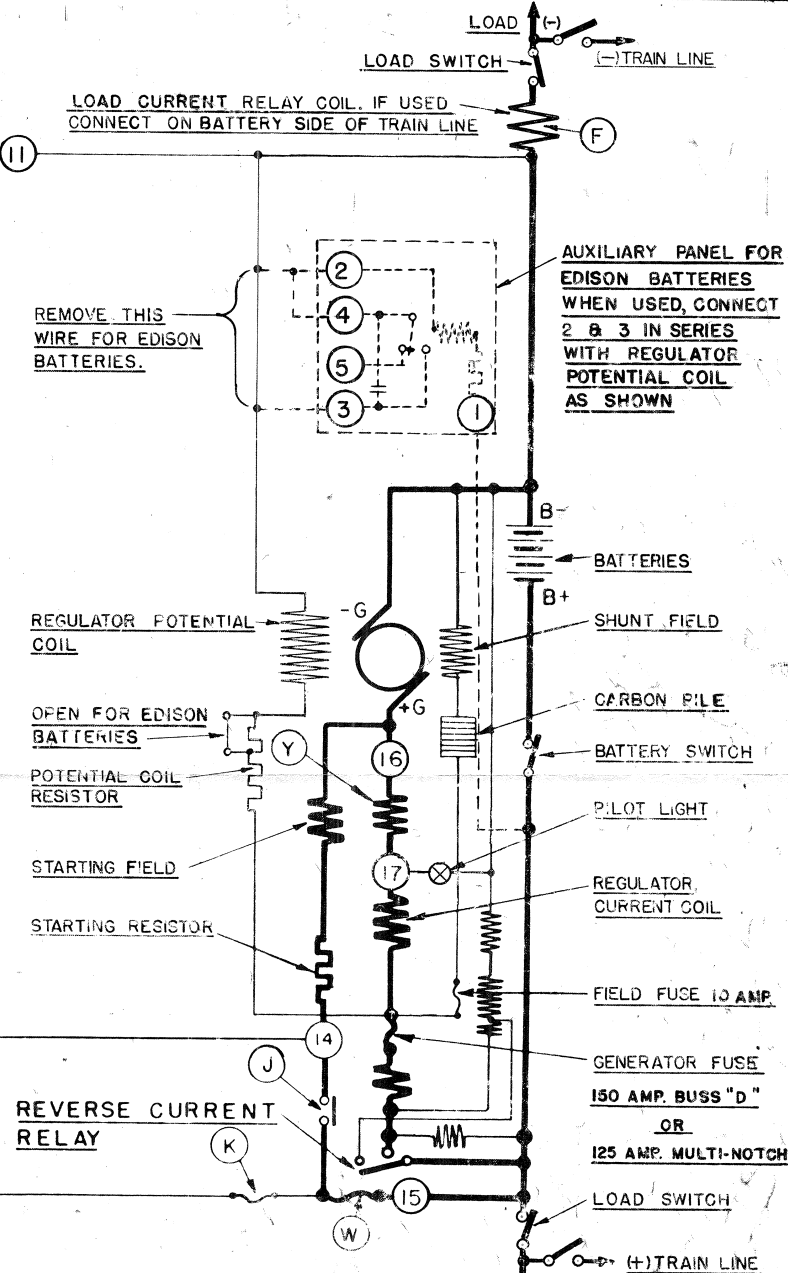
J STARTING CONTACTOR
K CONTROL CIRCUIT FUSE
L 3-MINUTE TIMING RELAY COIL
M 5-SECOND TIMING RELAY COIL
N AUTOMATIC STARTING TIMER COIL
O MANUAL START SWITCH (ENGINE)
P CONTROL CIRCUIT RELAY
Q LOW OIL PRESS. SWITCH

RR SERIES RESISTOR
R TIME DELAY RELAY
S MANUAL STOP SWITCH (PANEL)
T BACK CONTACTS REVERSE CURRENT RELAY
U ENGINE HEAT SWITCH
V 3-MINUTE TIMING RELAY
W STARTING FUSE
X MANUAL STOP SWITCH (ENGINE)
Y LOW CURRENT RELAY COIL
Z 5-SECOND TIMING RELAY

LOAD CURRENT RELAY COIL, IF USED
CONNECT ON BATTERY SIDE OF TRAIN LINE

REMOVE THIS
WIRE FOR EDISON
BATTERIES.

AUXILIARY PANEL FOR
EDISON BATTERIES
WHEN USED, CONNECT
2 & 3 IN SERIES
WITH REGULATOR
POTENTIAL
COIL
AS SHOWN



WIRING DIAGRAM FOR 40 & 80 VOLT ENGINE-GENERATOR UNITS

USE IN CONJUNCTION WITH SK-420-P

ON ALL FRACTIONAL MACHINE DIMENSIONS
ALLOW 1/16" UNLESS OTHERWISE SPECIFIED
WPA 124 SK-470-D-1 & SK-471-E-1

MODELS
B-1-40
B-1-80
DRAWN J.H.Z.
TRACED 7-11-45
CHECKED
APPROVED

C

WAUKESHA MOTOR CO.
WAUKESHA, WIS.

SK-470-E

PART NO