



Service Information System

Shutdown SIS

Previous Screen

◀ Product: NO EQUIPMENT SELECTED
Model: NO EQUIPMENT SELECTED
Configuration: NO EQUIPMENT SELECTED

Systems Operation

Connection Diagrams: SR4 and SR4B Generators, Voltage Regulators, Options

Media Number -SENR4794-06

Publication Date -01/01/2002

Date Updated -16/01/2002

i01330242

Options (All Except SR4B for 3500 Engines)

SMCS - 4450

Manual Control with Self Excitation

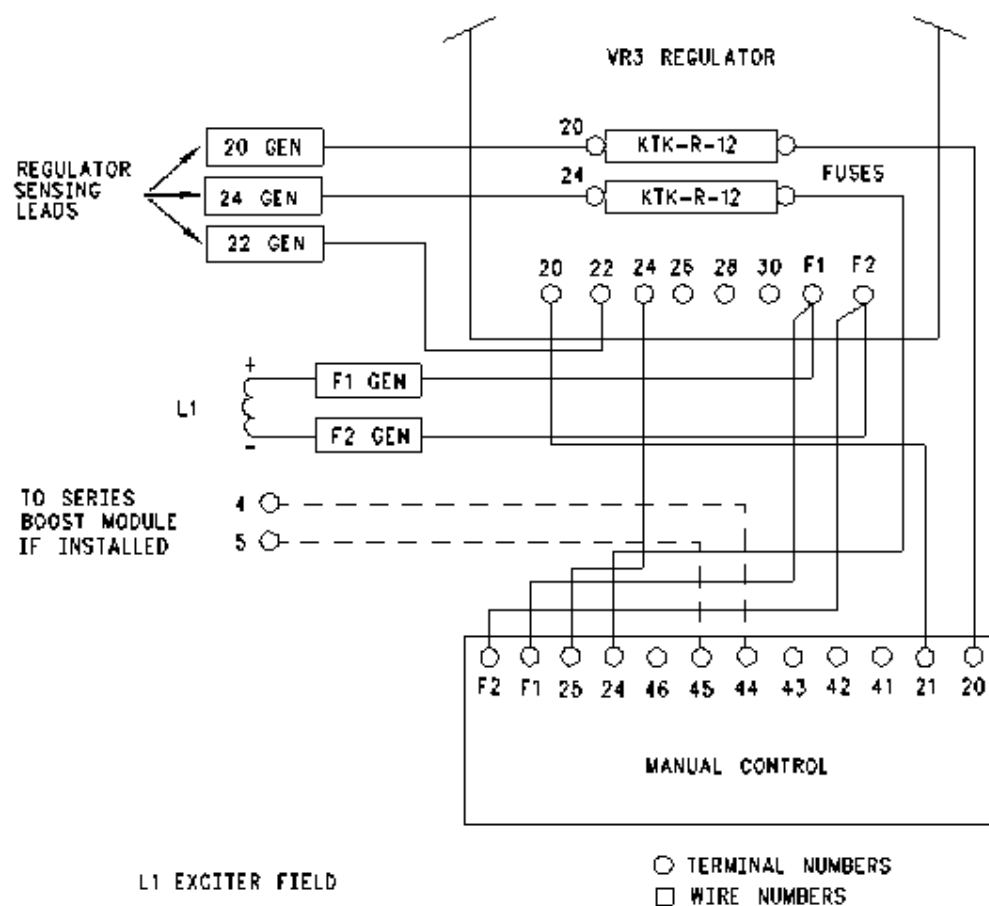


Illustration 1

g00702017

Manual Control with Power Transformer

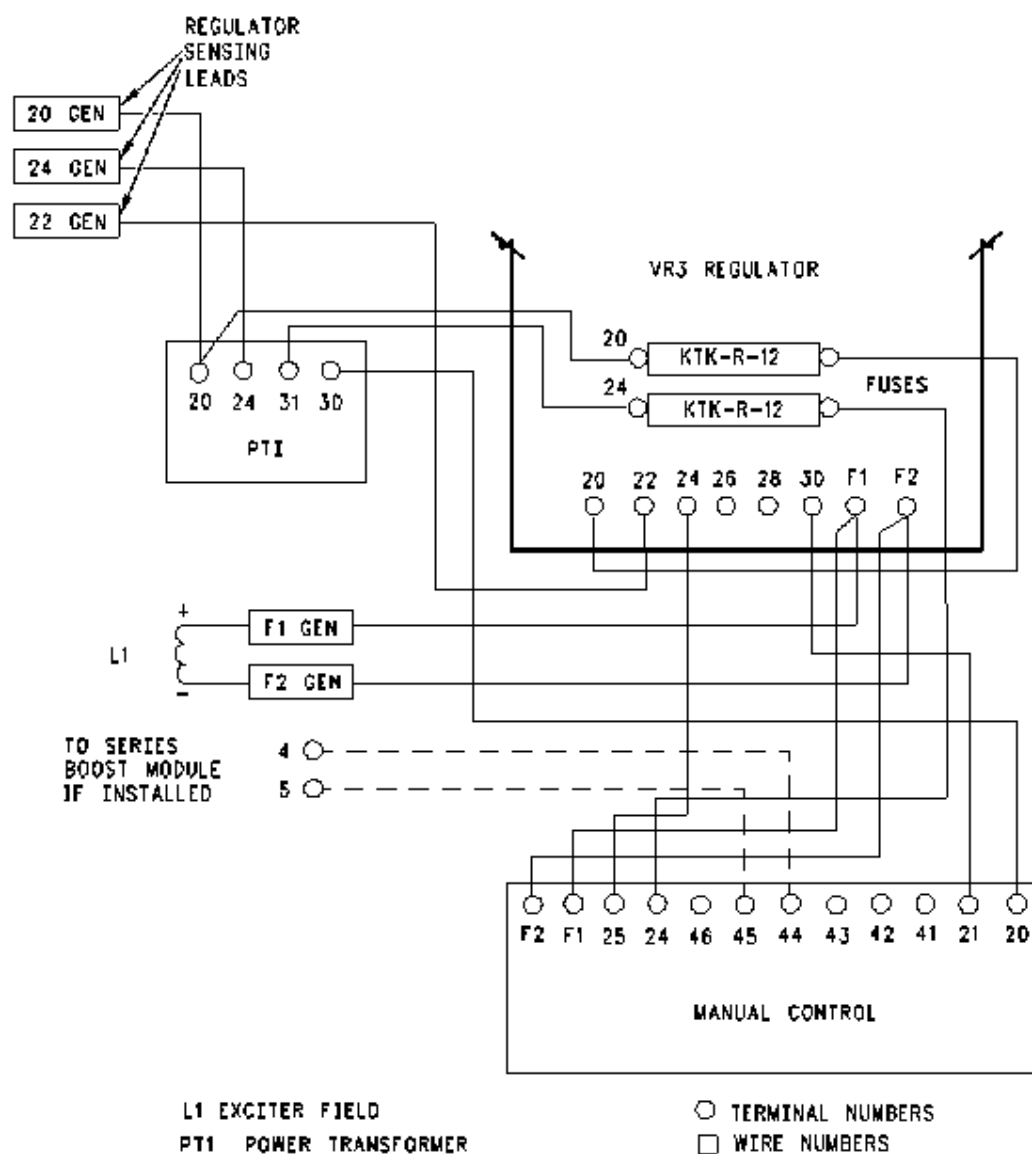


Illustration 2

g00702135

Manual Control with Permanent Magnet Exciter

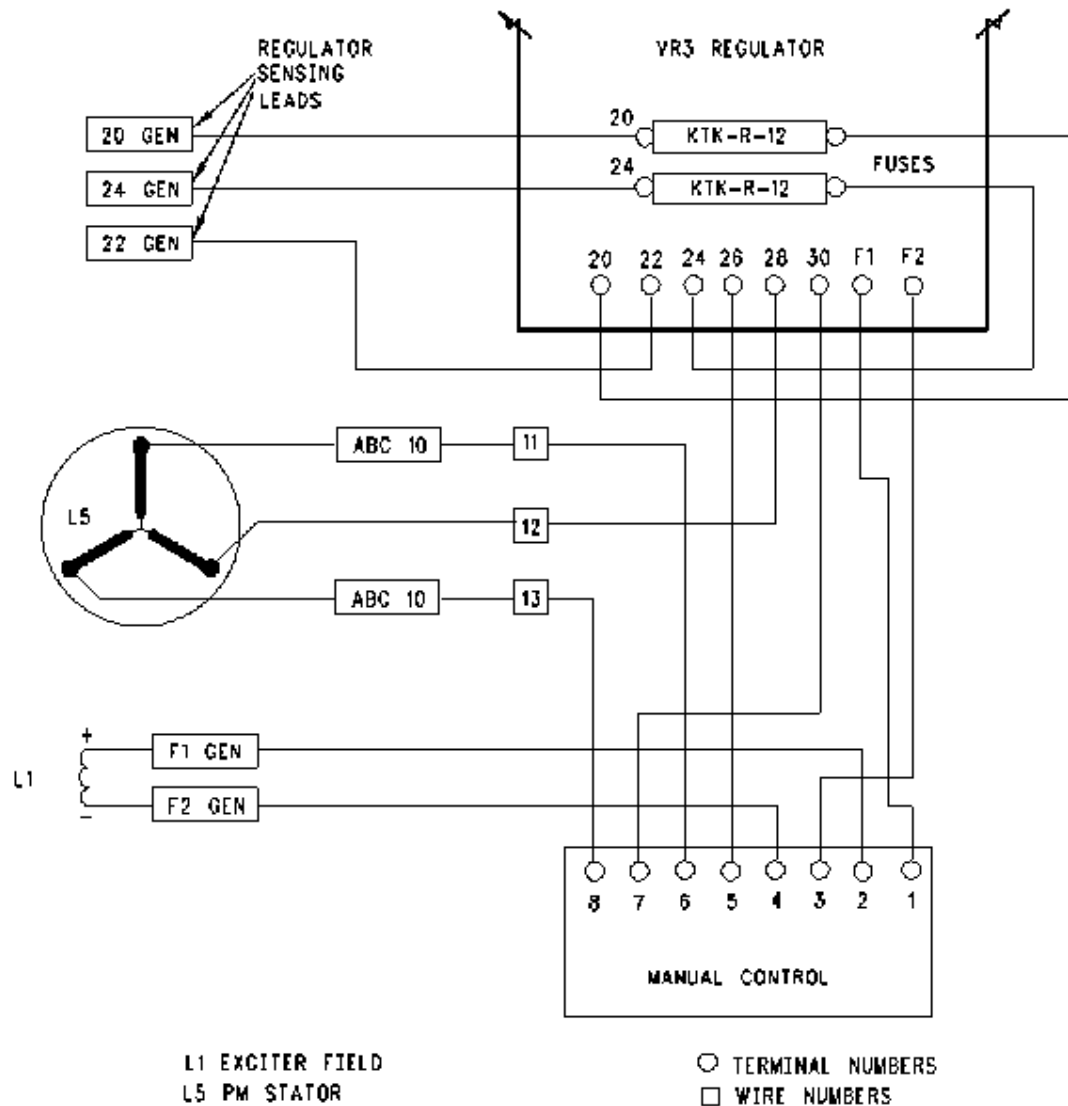


Illustration 3

g00702138

Radio Interference Filter

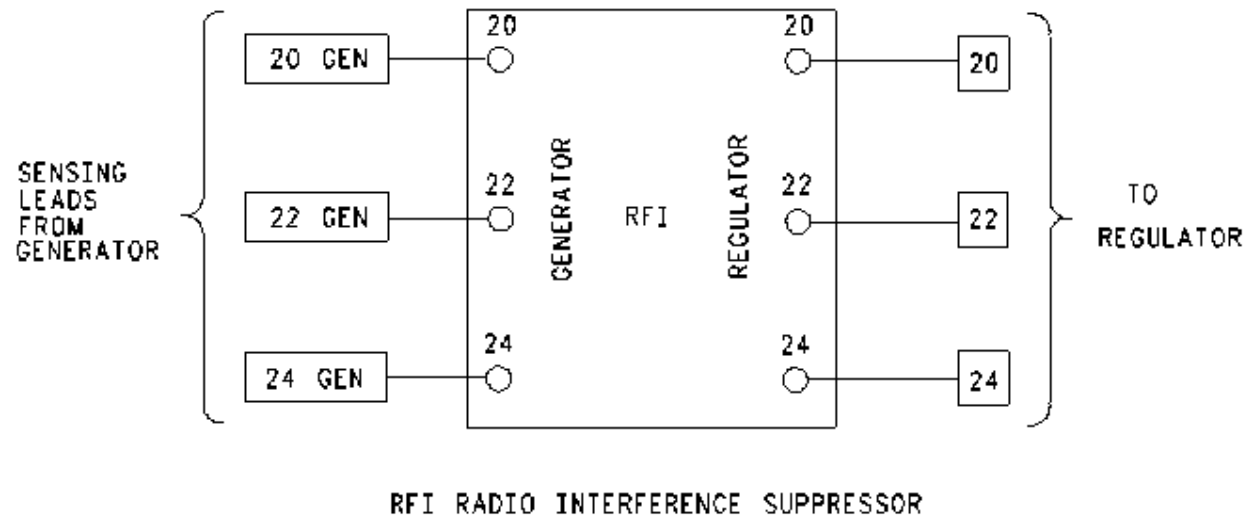


Illustration 4

g00703931

Series Boost with VR3 Voltage Regulator

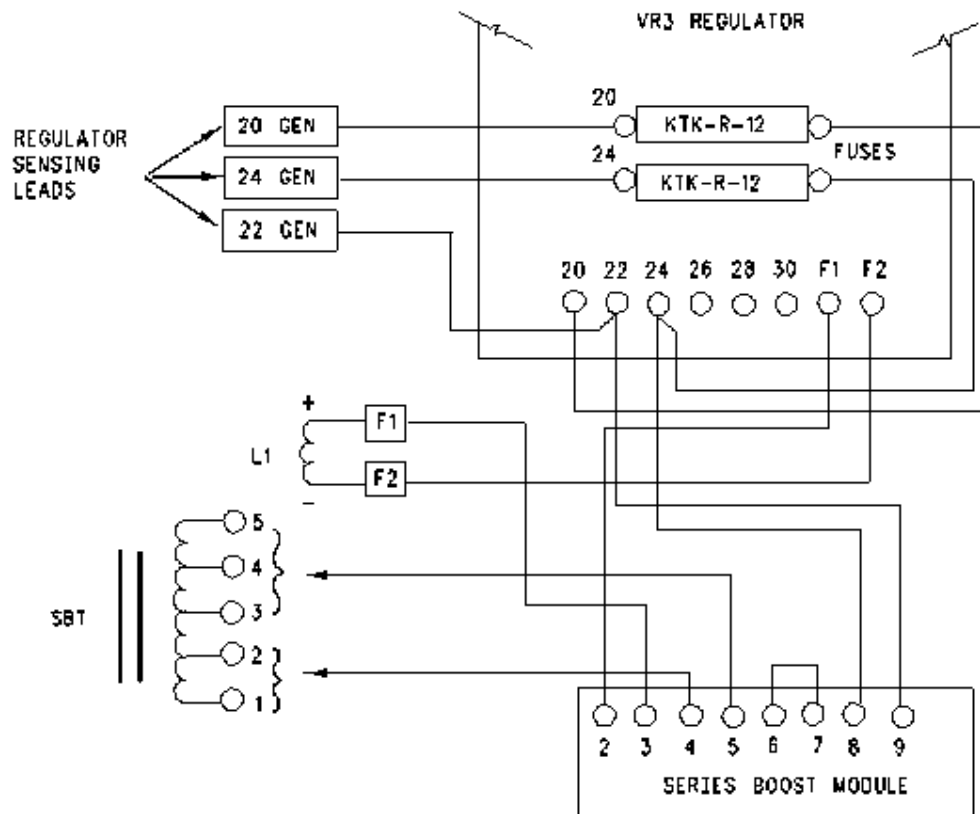


Illustration 5

g00702027

Series Boost with VR4 Voltage Regulator

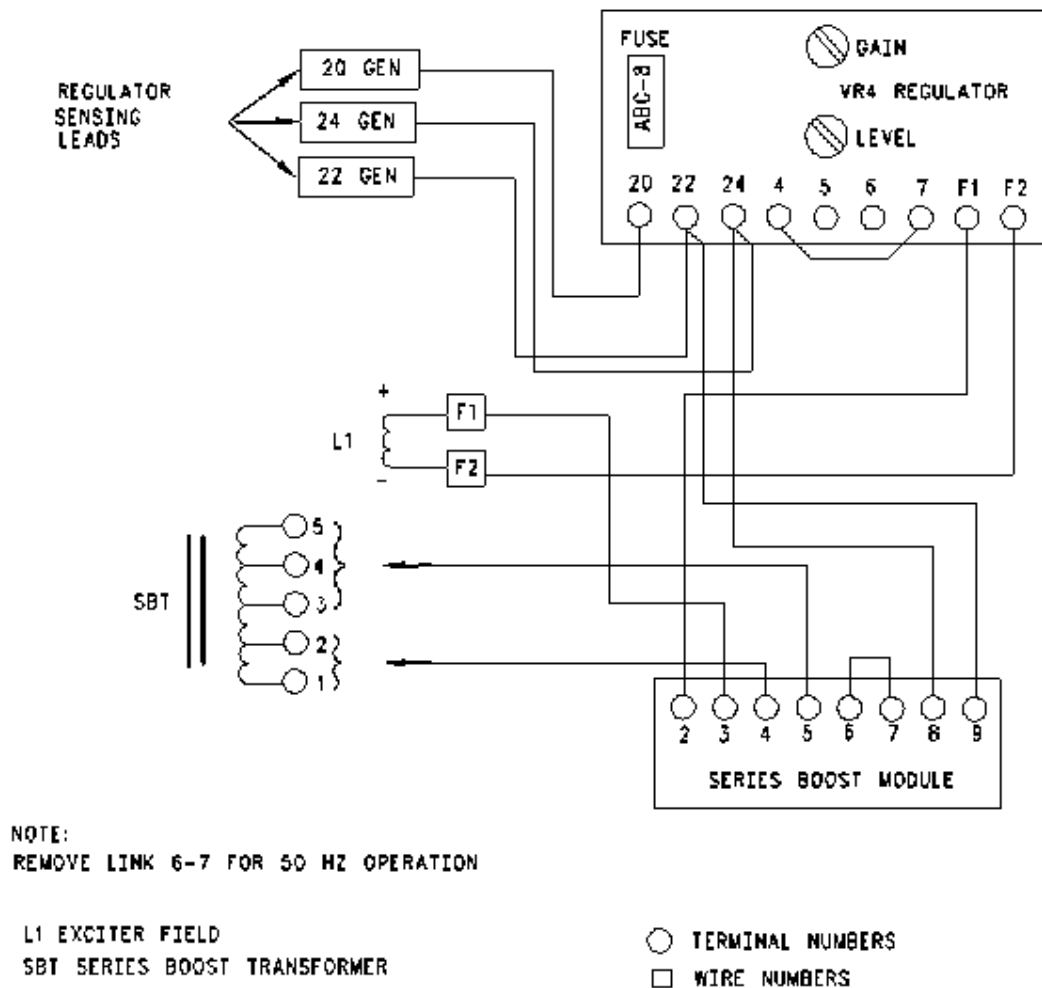


Illustration 6

g00702036

Manual Control and Series Boost with Self Excitor

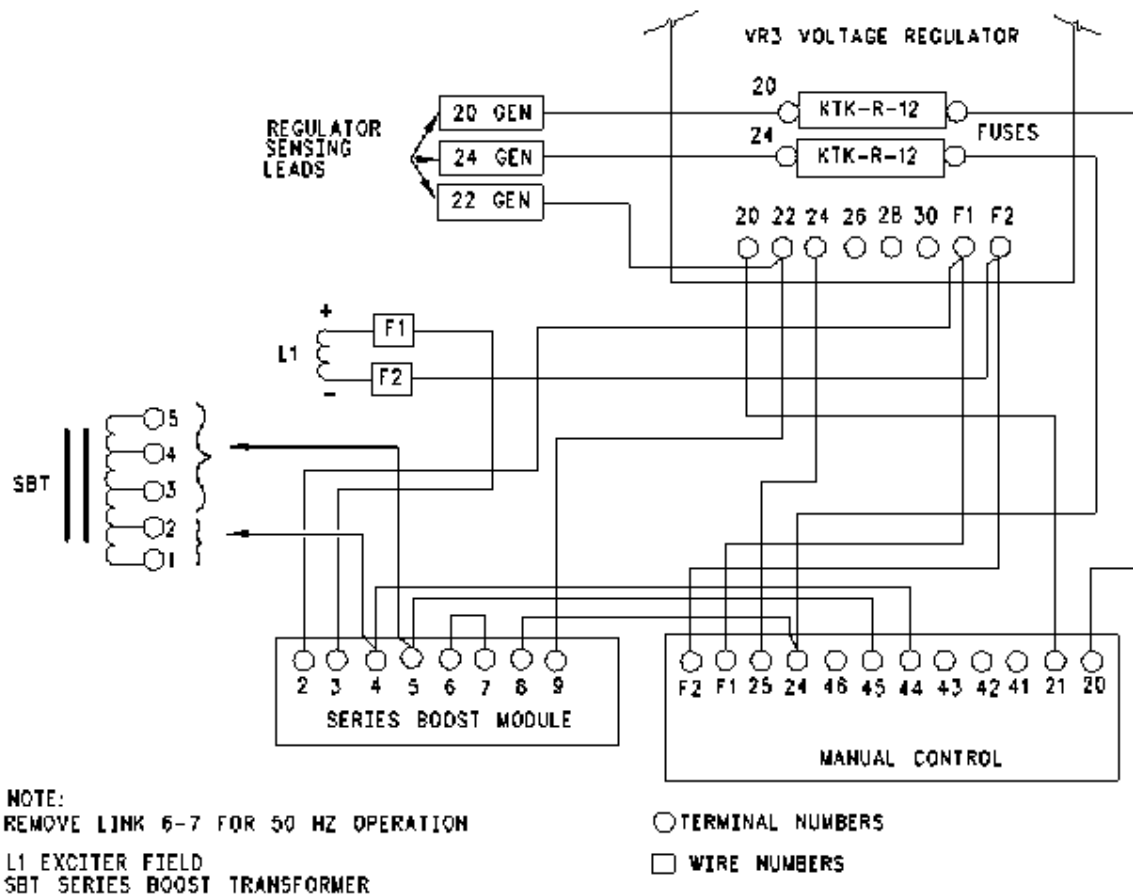
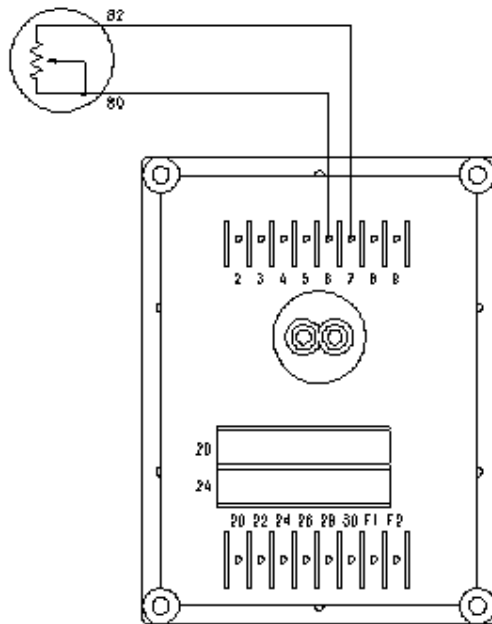


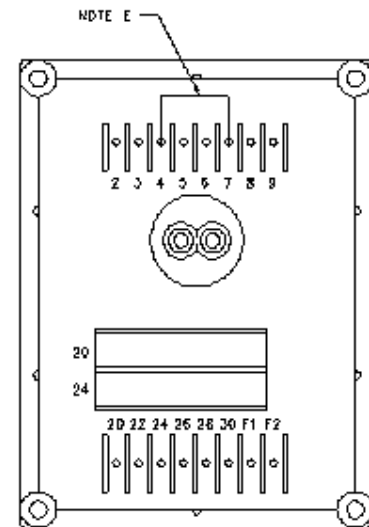
Illustration 7

g00702180

Remote Voltage Adjust Rheostat Connections



CONNECTION WHEN REMOTE VOLTAGE
ADJUST RHEOSTAT IS PROVIDED



CONNECTION WITH NO REMOTE
VOLTAGE ADJUST RHEOSTAT

NOTE E: JUMPER MUST BE INSTALLED IF REMOTE VOLTAGE ADJUST RHEOSTAT IS NOT PROVIDED.

Illustration 8

g00695920

Digital Voltage Regulator with Manual Control

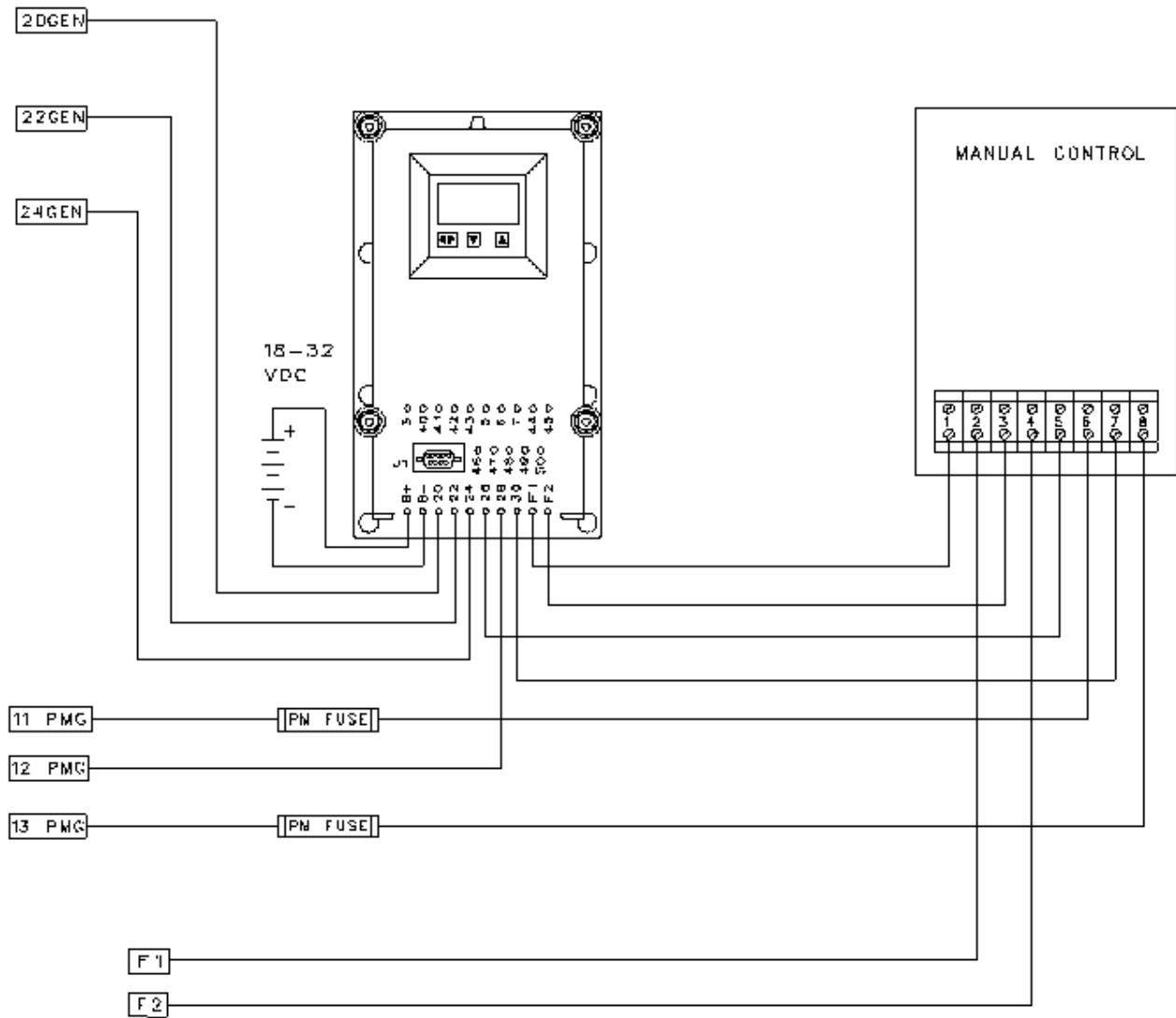
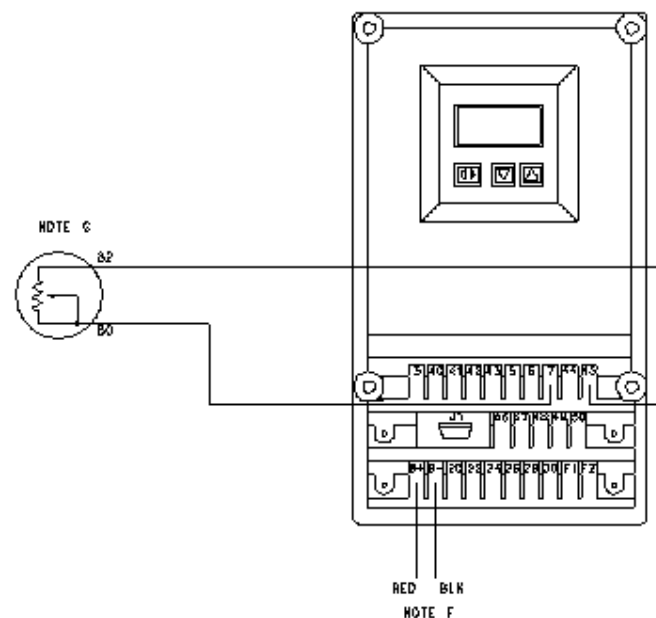


Illustration 9

g00539523

Digital Voltage Regulator with Remote Voltage Adjust Rheostat



NOTE F: IF EMCP EXISTS, HARNESS AS 126-0030 IS REQUIRED TO PROVIDE POWER. IF NO EMCP IS PRESENT, MATCH WIRE IDENTITIES USING P370-T152 FOR B+ AND P670-T102 FOR B- ON GAS ENGINES. DIESEL ENGINES USE 40KJL188 FOR B+ AND 40JL189 FOR B-. IF NO EMCP AND NO WIRING HARNESS IS PROVIDED USE 130-3582 HARNESS FOR DIGITAL VOLTAGE REGULATOR BATTERY POWER.

NOTE G: OPTIONAL REMOTE VOLTAGE ADJUST RHEOSTAT IS LOCATED IN THE CONTROL PANEL, IF PROVIDED.

Illustration 10

g00695943

Digital Voltage Regulator Customer Options

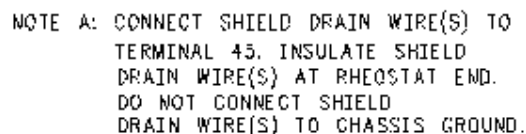


Illustration 11

g00539524

Digital Voltage Regulator Remote Communications Connections

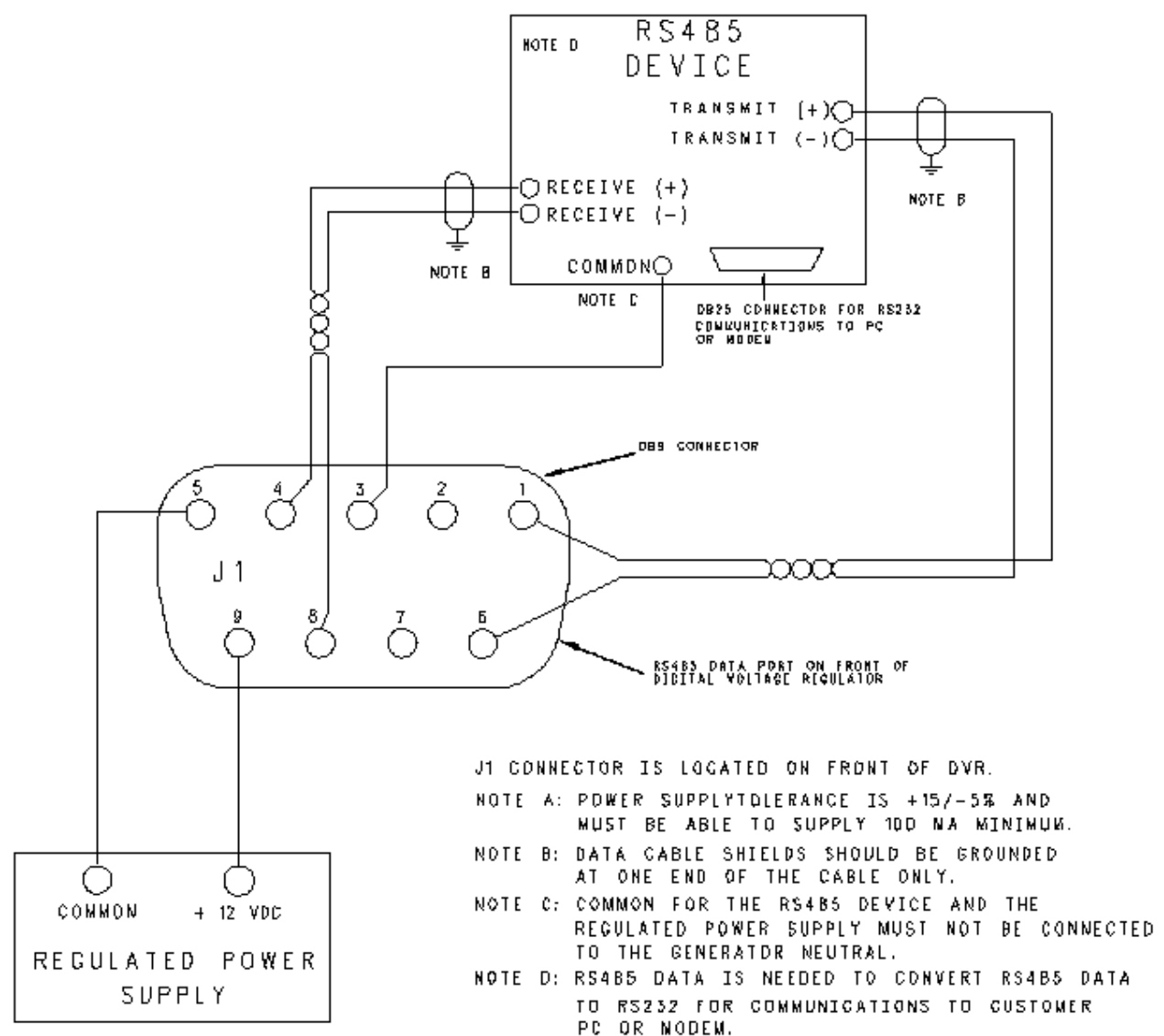


Illustration 12

g00697822