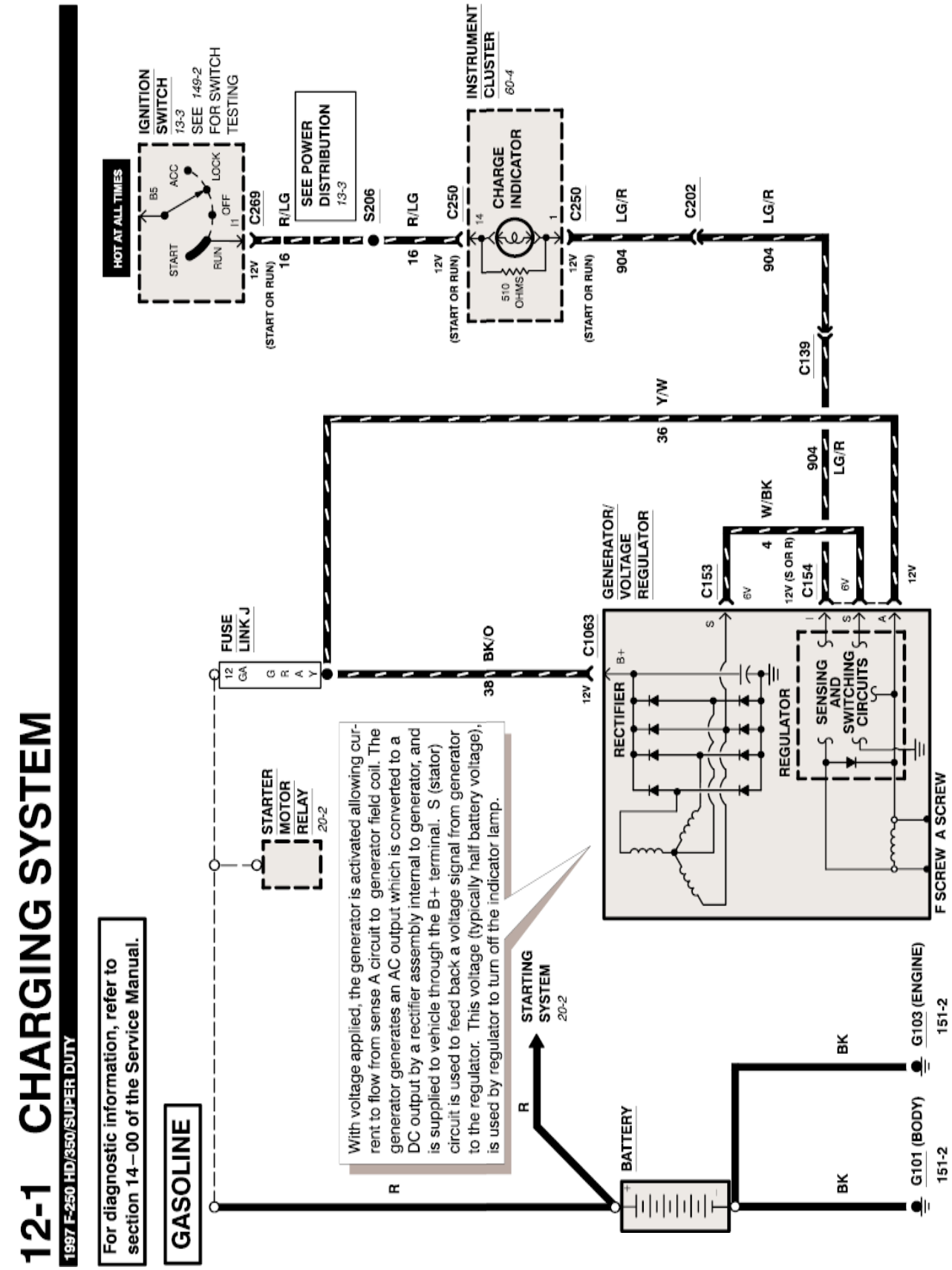
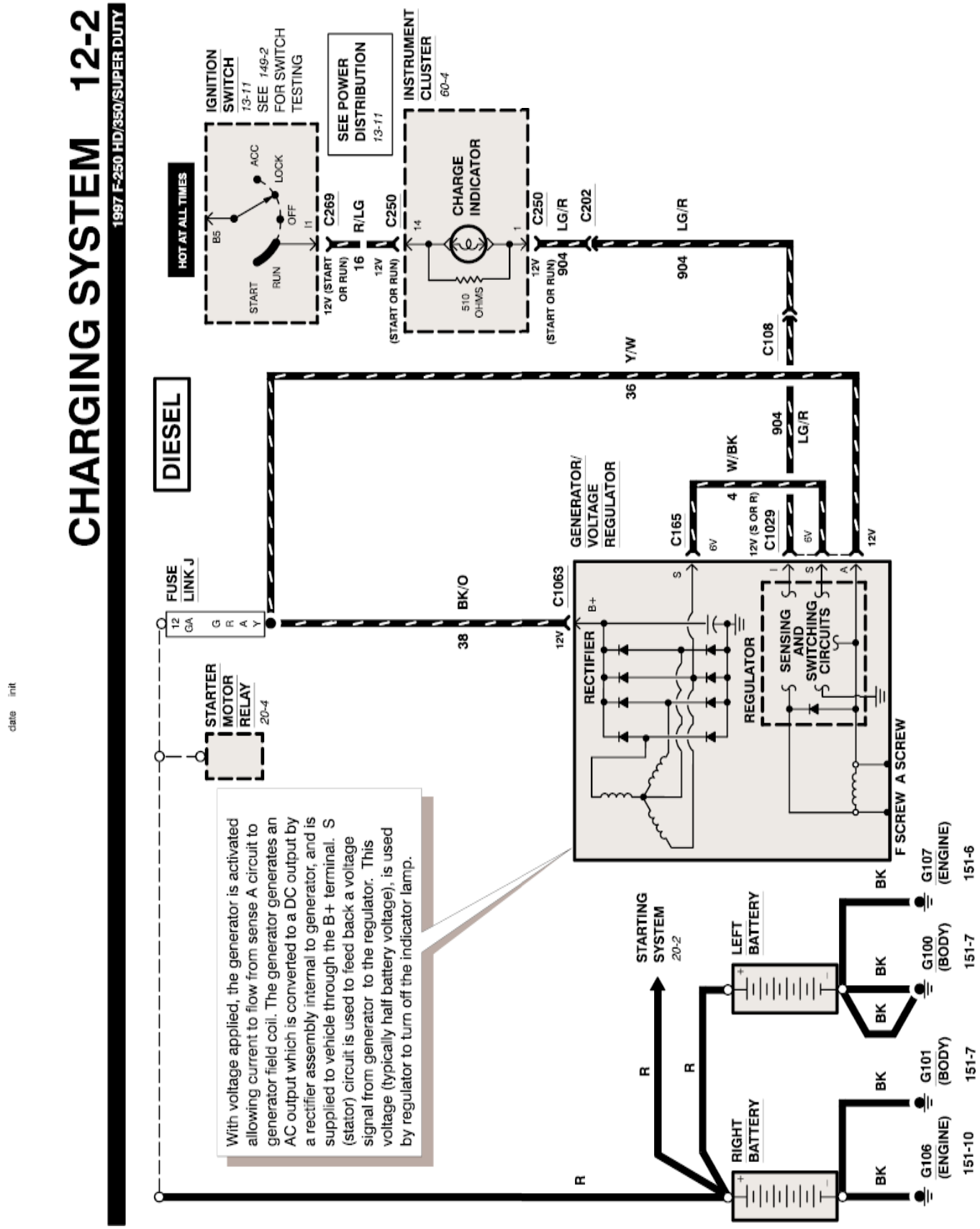
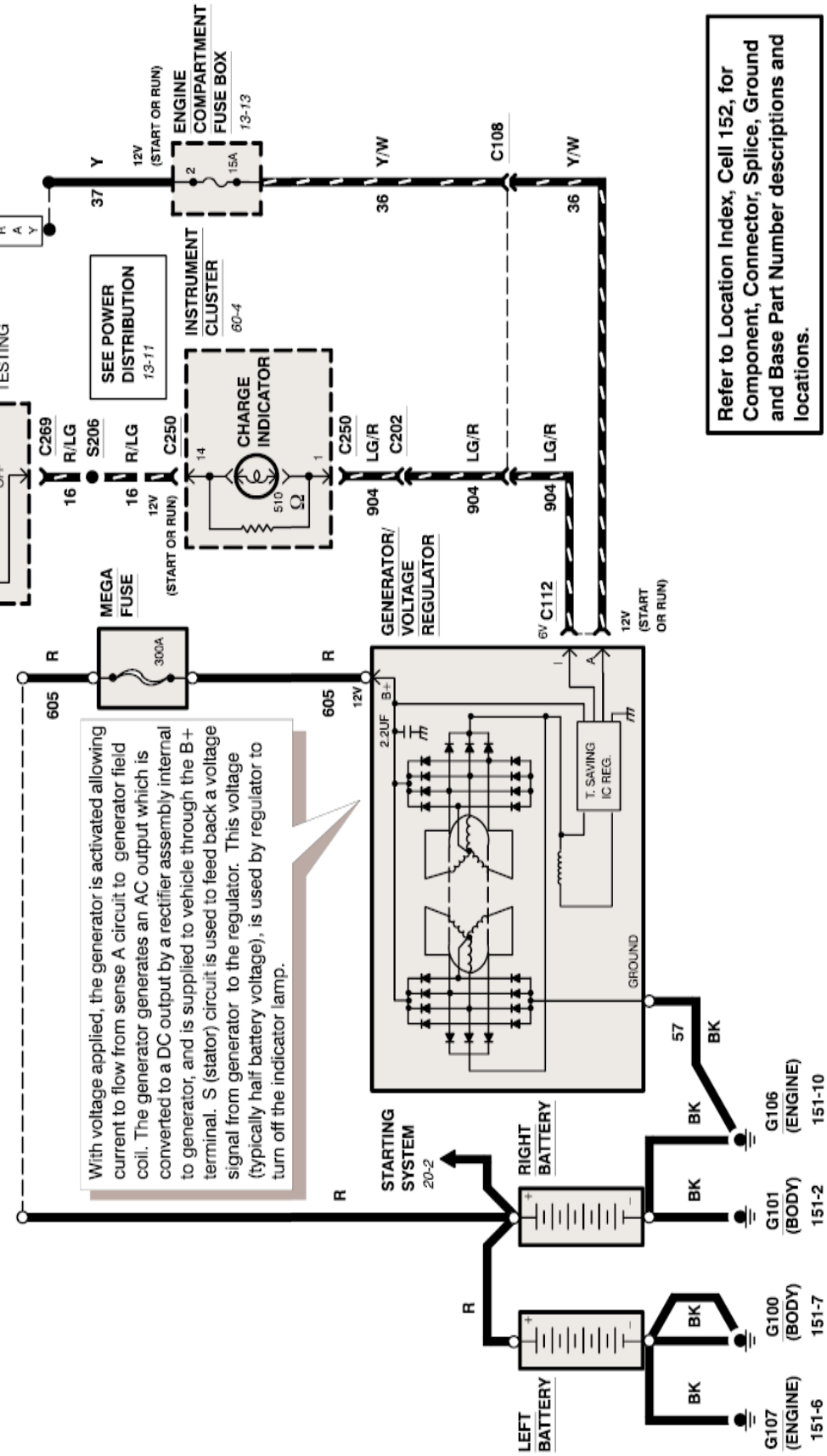

12-1 CHARGING SYSTEM
1997 F-250 HD/350/SUPER DUTY
For diagnostic information, refer to section 14–00 of the Service Manual.
GASOLINE
date init
HOT AT ALL TIMES
IGNITION SWITCH 13-3
SEE 149-2 FOR SWITCH TESTING
B5 ACC LOCK OFF I1 START RUN
C269
12V (START OR RUN)
16
R/LG
SEE POWER DISTRIBUTION 13-3
S206
16
R/LG
C250
12V (START OR RUN)
INSTRUMENT CLUSTER 60-4
CHARGE INDICATOR
14
1
510 OHMS
C250
12V (START OR RUN)
904
LG/R
C202
904
LG/R
C139
Y/W
36
FUSE LINK J
12 GA
G R A Y
STARTER MOTOR RELAY 20-2
38
BK/O
C1063
12V
GENERATOR/ VOLTAGE REGULATOR
RECTIFIER
B+
S
REGULATOR
SENSING AND SWITCHING CIRCUITS
I
S
A
C153
6V
4
12V (S OR R)
W/BK
C154
6V
904
LG/R
12V
F SCREW A SCREW
With voltage applied, the generator is activated allowing current to flow from sense A circuit to generator field coil. The generator generates an AC output which is converted to a DC output by a rectifier assembly internal to generator, and is supplied to vehicle through the B+ terminal. S (stator) circuit is used to feed back a voltage signal from generator to the regulator. This voltage (typically half battery voltage), is used by regulator to turn off the indicator lamp.
R
STARTING SYSTEM 20-2
BATTERY
BK
G101 (BODY)
151-2
BK
G103 (ENGINE)
151-2


CHARGING SYSTEM 12-2
1997 F-250 HD/350/SUPER DUTY
DIESEL
HOT AT ALL TIMES
IGNITION SWITCH 13-11
SEE 149-2 FOR SWITCH TESTING
SEE POWER DISTRIBUTION 13-11
INSTRUMENT CLUSTER 60-4
CHARGE INDICATOR
510 OHMS
START
RUN
OFF
ACC
LOCK
B5
I1
C269
R/LG
16
12V (START OR RUN)
C250
14
1
LG/R
904
C202
C108
Y/W
36
FUSE LINK J
12 GA
G
R
A
Y
STARTER MOTOR RELAY 20-4
BK/O
38
C1063
GENERATOR/ VOLTAGE REGULATOR
RECTIFIER
B+
S
REGULATOR
SENSING AND SWITCHING CIRCUITS
I
A
C165
W/BK
4
C1029
6V
12V (S OR R)
With voltage applied, the generator is activated allowing current to flow from sense A circuit to generator field coil. The generator generates an AC output which is converted to a DC output by a rectifier assembly internal to generator, and is supplied to vehicle through the B+ terminal. S (stator) circuit is used to feed back a voltage signal from generator to the regulator. This voltage (typically half battery voltage), is used by regulator to turn off the indicator lamp.
F SCREW A SCREW
STARTING SYSTEM 20-2
RIGHT BATTERY
LEFT BATTERY
R
BK
G106 (ENGINE) 151-10
G101 (BODY) 151-7
G100 (BODY) 151-7
G107 (ENGINE) 151-6
date
init

12-3 CHARGING SYSTEM

1997 F-250 HD/350/SUPER DUTY

200 AMP ALTERNATOR



date init