Harley Davidison Wiring Diagrams

Various Models from 1965 to 1998

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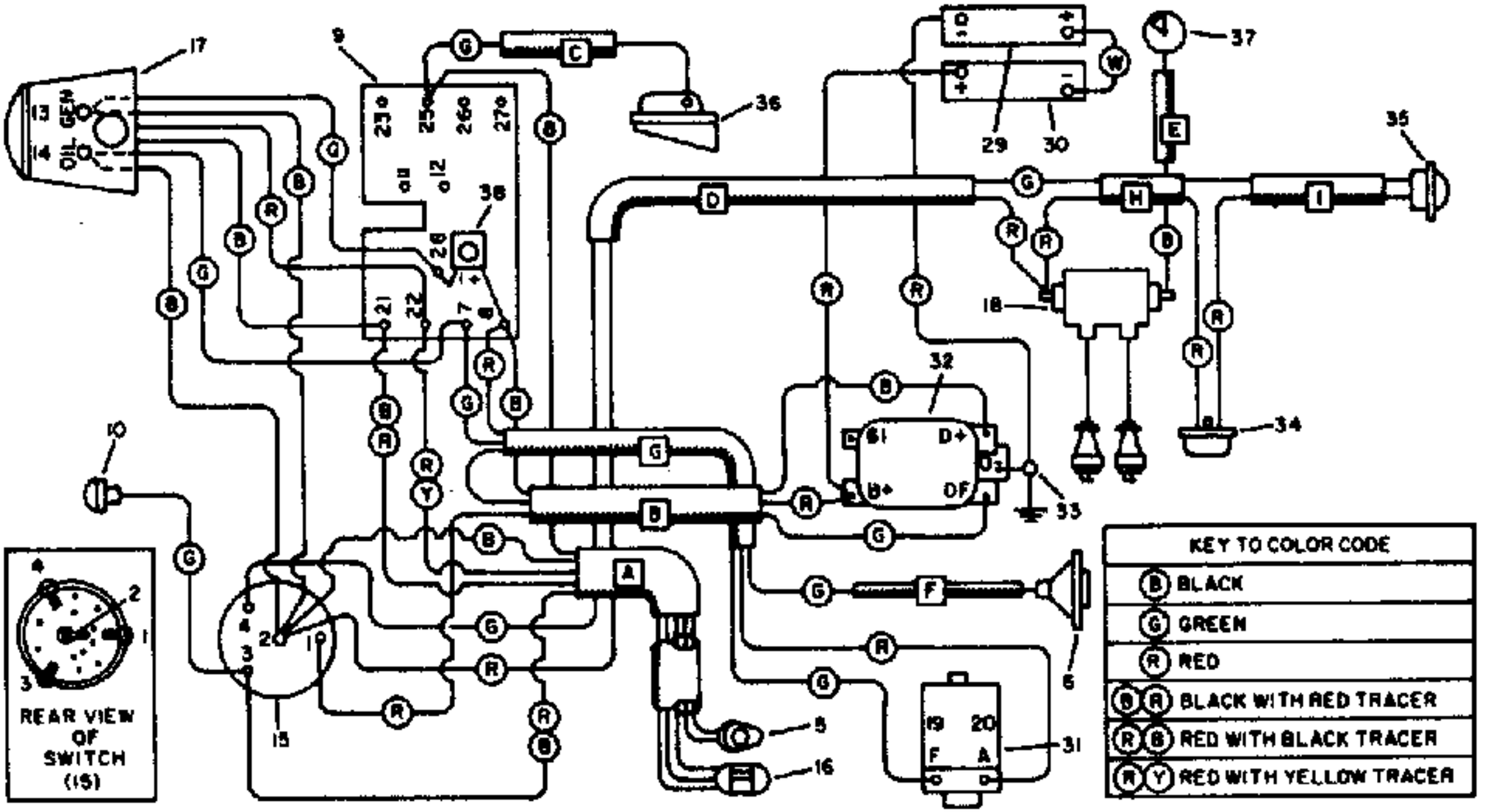
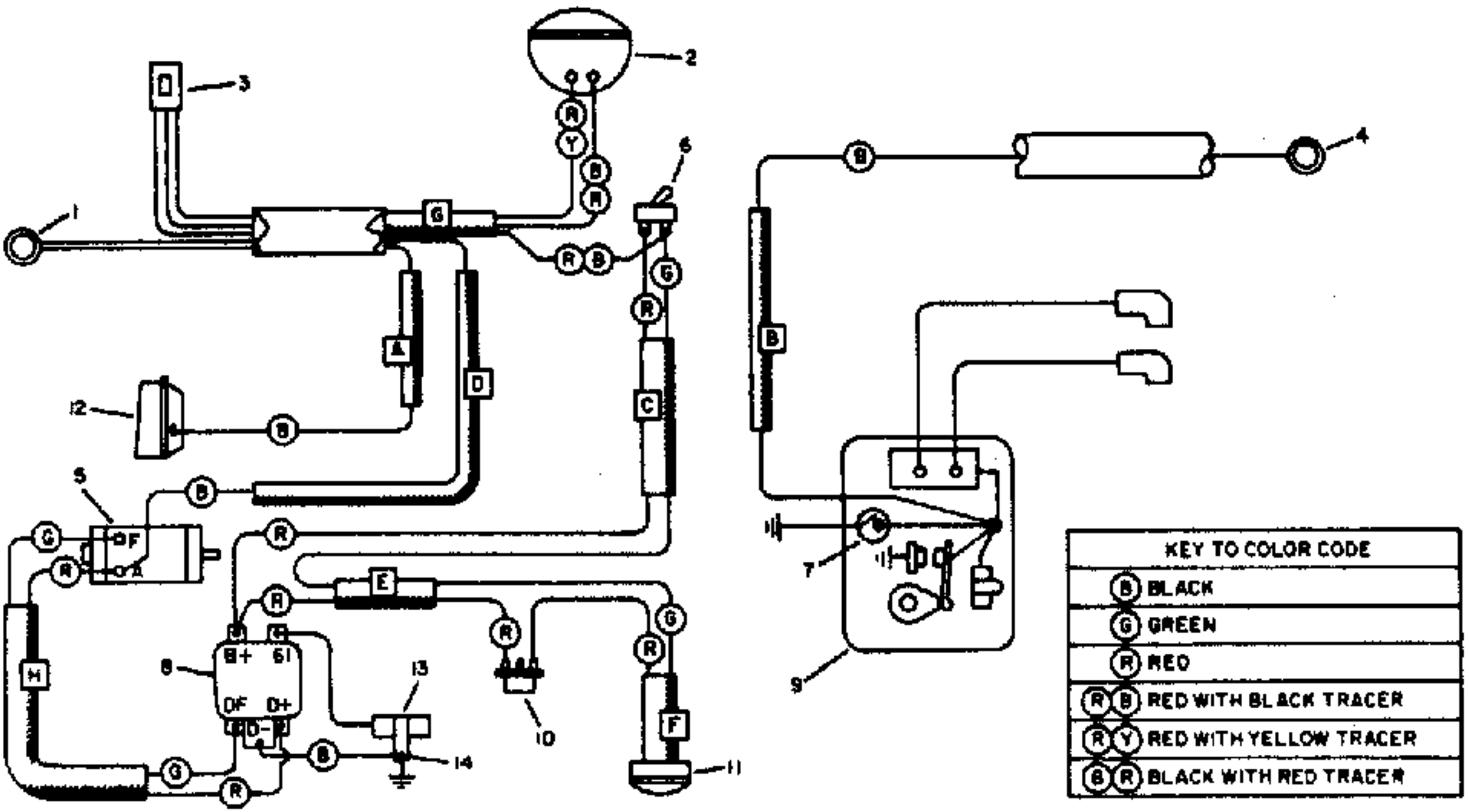


1965–66 Sportster H

A. Handlebars—Red wire with black tracer, black wire with red tracer, red wire with yellow tracer, two black wires
B. Conduit (three wires)—Green, red, and black wires
C. Conduit (one wire)—Green wire
D. Conduit (two wires)—Red and green wires
E. Conduit (one wire)—Black wire
F. Conduit (one wire)—Green wire
G. Conduit (three wires)—One red and two green wires
H. Conduit (two wires)—Black and red wires
5. Horn switch—Two black wires
6. Oil signal light switch—Green wire
7. Terminal—Two green wires
8. Terminal—Black and red wires and rectifier positive terminal
9. Terminal plate
10. Speedometer light—Green wire
11. Terminal—Not used with standard wiring
12. Terminal—Not used with standard wiring
13. Generator signal light—Green and black wires
14. Oil signal light—Green and black wires
15. Ignition-light switch—Terminal #1 red wire; terminal #2 red wire and three black wires; terminal #3 green wire and red wire with black tracer; terminal #4 green wire
16. Headlamp switch—Red wire with black tracer, black wire with red tracer, and red wire with yellow tracer
17. Headlamp—Black and red wires
18. Ignition coil—Three red wires and black wire
19. Generator "F" terminal—Green wire
20. Generator "A" terminal—Red wire
21. Terminal—Black wire with red tracer and black wire
22. Terminal—Red wire with yellow tracer and red wire
23. Terminal—Not used with standard wiring
25. Terminal—Black wire and green wire
26. Terminal—Not used with standard wiring
27. Terminal—Not used with standard wiring
28. Terminal—Green wire and rectifier negative terminal
29. Front battery—Negative terminal black wire; positive terminal white wire
30. Rear battery—Positive terminal red wire; negative terminal white wire
31. Generator—See terminals 19 and 20
32. Regulator—B+ terminal two red wires; DF terminal green wire; D+ terminal black wire; Gnd terminal black wire; G1 terminal not used with standard wiring
33. Terminal, frame screw—Two black wires
34. Stoplight switch—Two red wires
35. Tail lamp—Red and green wires
36. Horn—Green wire
37. Circuit breaker—Two black wires
38. Rectifier—Positive terminal (painted red) to terminal #8 Negative terminal to terminal #28



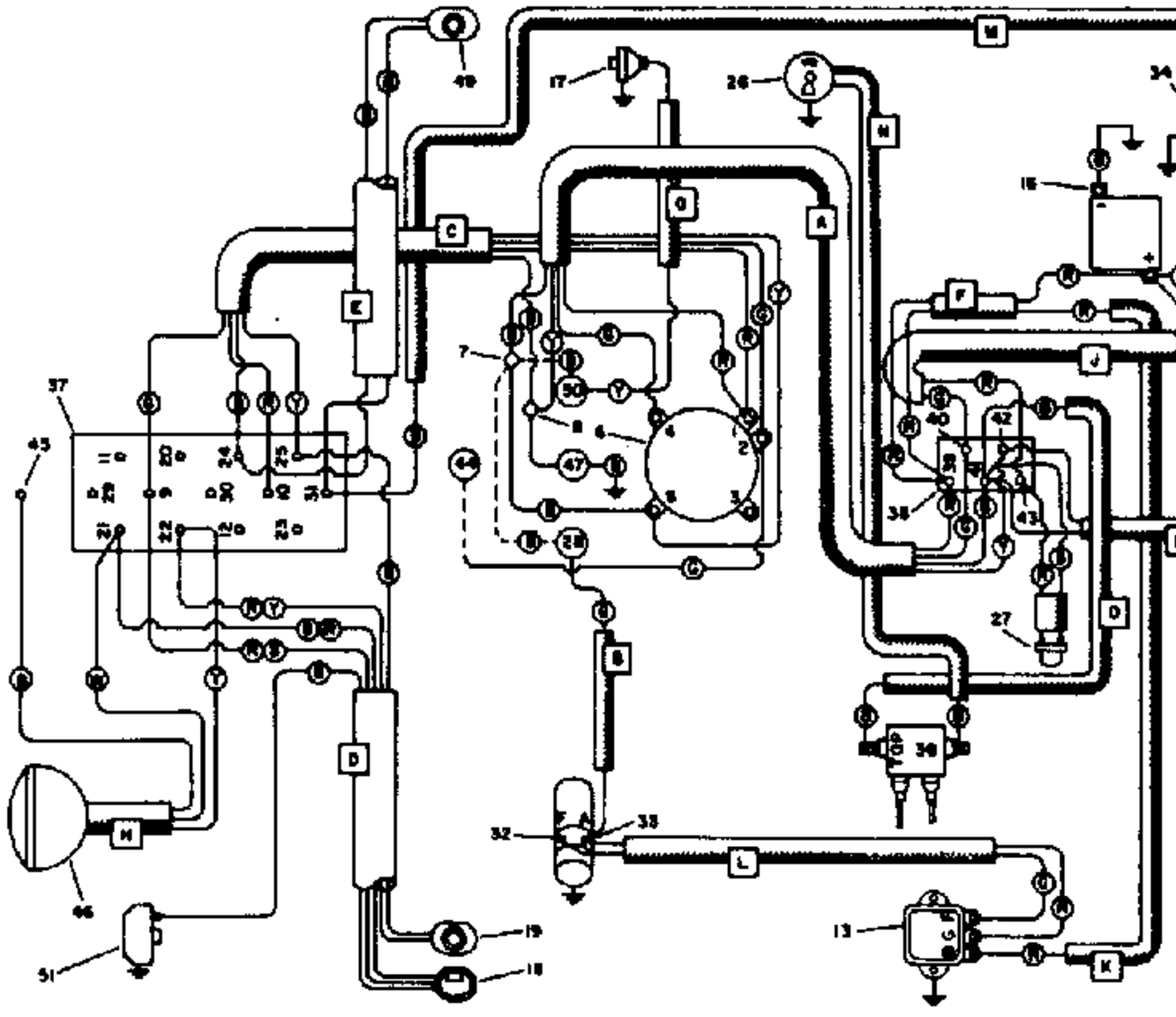
1965 Sportster CH

A. Conduit (one wire)—Black
B. Conduit (one wire)—Black
C. Conduit (two wires)—Red and green
D. Conduit (one wire)—Black
E. Conduit (two wires)—Red and green
F. Conduit (two wires)—Red and green
G. Conduit (three wires) Red wire with black tracer, red wire with yellow tracer, black wire with red tracer
H. Conduit (two wires)—Green and red

1. Horn switch—Two black wires
2. Headlamp—Black wire with red tracer and red wire with yellow tracer
3. Dimmer switch—Red wire with black tracer, red wire with yellow tracer, black wire with red tracer
4. Ignition cut-out switch—Black wire
5. Generator
   "F" terminal—Green wire
   "A" terminal—Red and black wires
6. Light switch—(3 wires)—Red, green and red with black tracer
7. Ignition ground switch lock

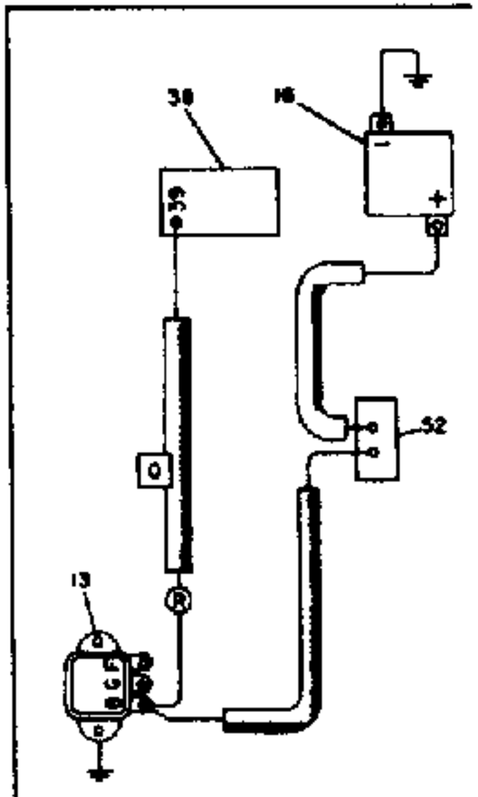
8. Voltage regulator—
   "61" terminal—Condenser black wire
   DF terminal—Green wire
   D+terminal—Red wire and condenser wire
   B+ terminal—Two red wires
   Gnd terminal—Black wire
9. Magneto—Black wire
10. Stop light switch—Two red wires
11. Tail and stop lamp—Red and green wires
12. Horn—Black wire
13. Capacitor—Lead connected to regulator "61" terminal
14. Grounding screw—Black wire and condenser ground strap

A. Conduit (four wire)—Red, green, black and yellow
B. Conduit (one wire)—Green
C. Conduit (four wire)—Red, green, yellow and black
D. Left handlebar (loose wires)—red with black tracer, black with red tracer, red with yellow tracer, 2 black wires
E. Right handlebar (loose wires)—2 Black wires
F. Conduit (two wire)—2 Red wires
G. Conduit (one wire)—Yellow
H. Conduit (three wire)—Black, white and yellow
J. Conduit (two wire)—Red and green
K. Conduit (one wire)—Red
L. Conduit (two wire)—Green and red
M. Conduit (one wire)—Black
N. Conduit (one wire)—Black
O. Conduit (one wire)—Black
P. Conduit (two wire)—2 Black wires
Q. Conduit (one wire)—Red



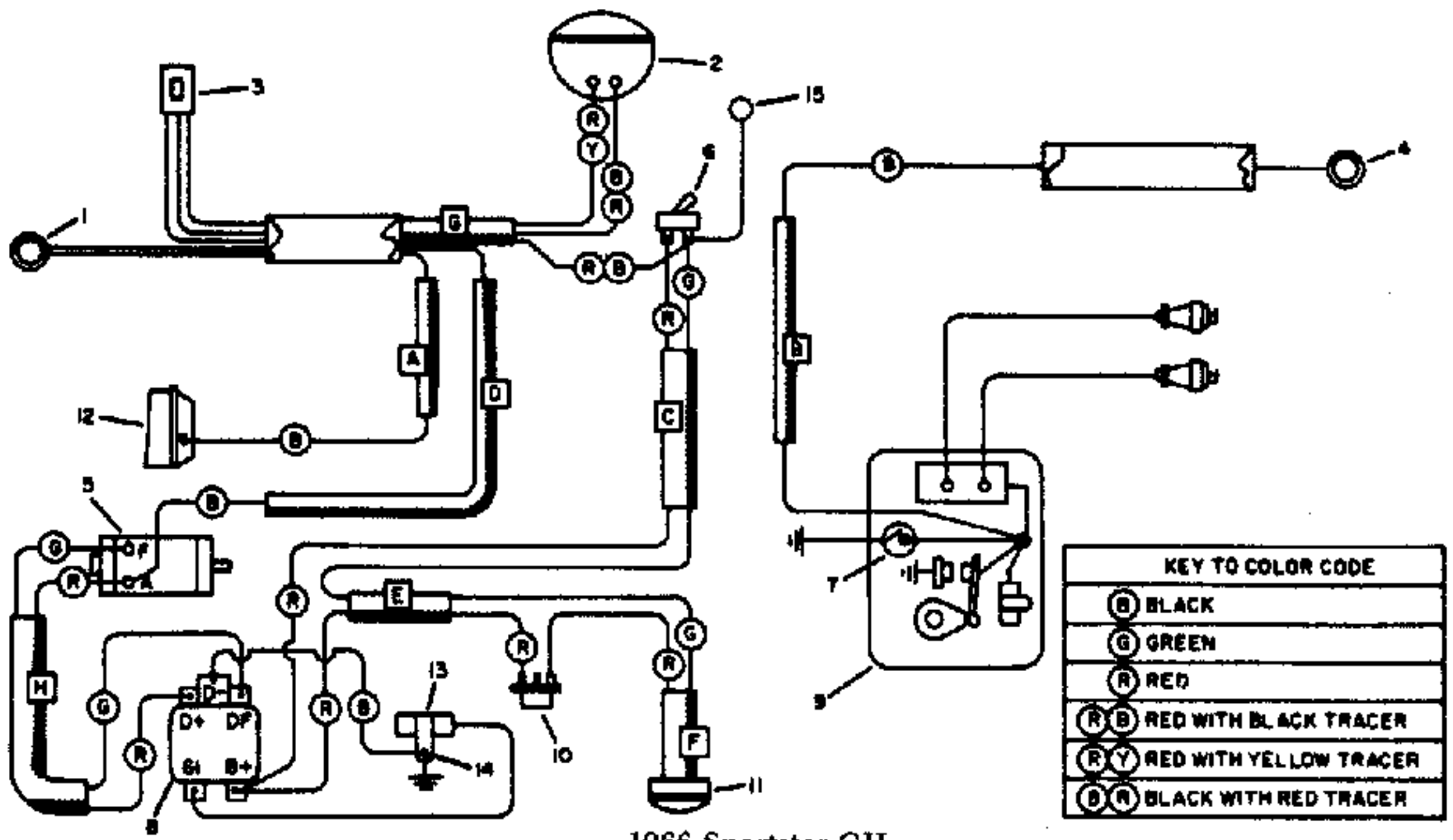
1965–67 Electra Glide

KEY TO COLOR CODE
RED
GREEN
BLACK
YELLOW
WHITE
RED WITH BLACK TRACER
BLACK WITH RED TRACER
RED WITH YELLOW TRACER



LATE 1966
CIRCUIT BREAKER

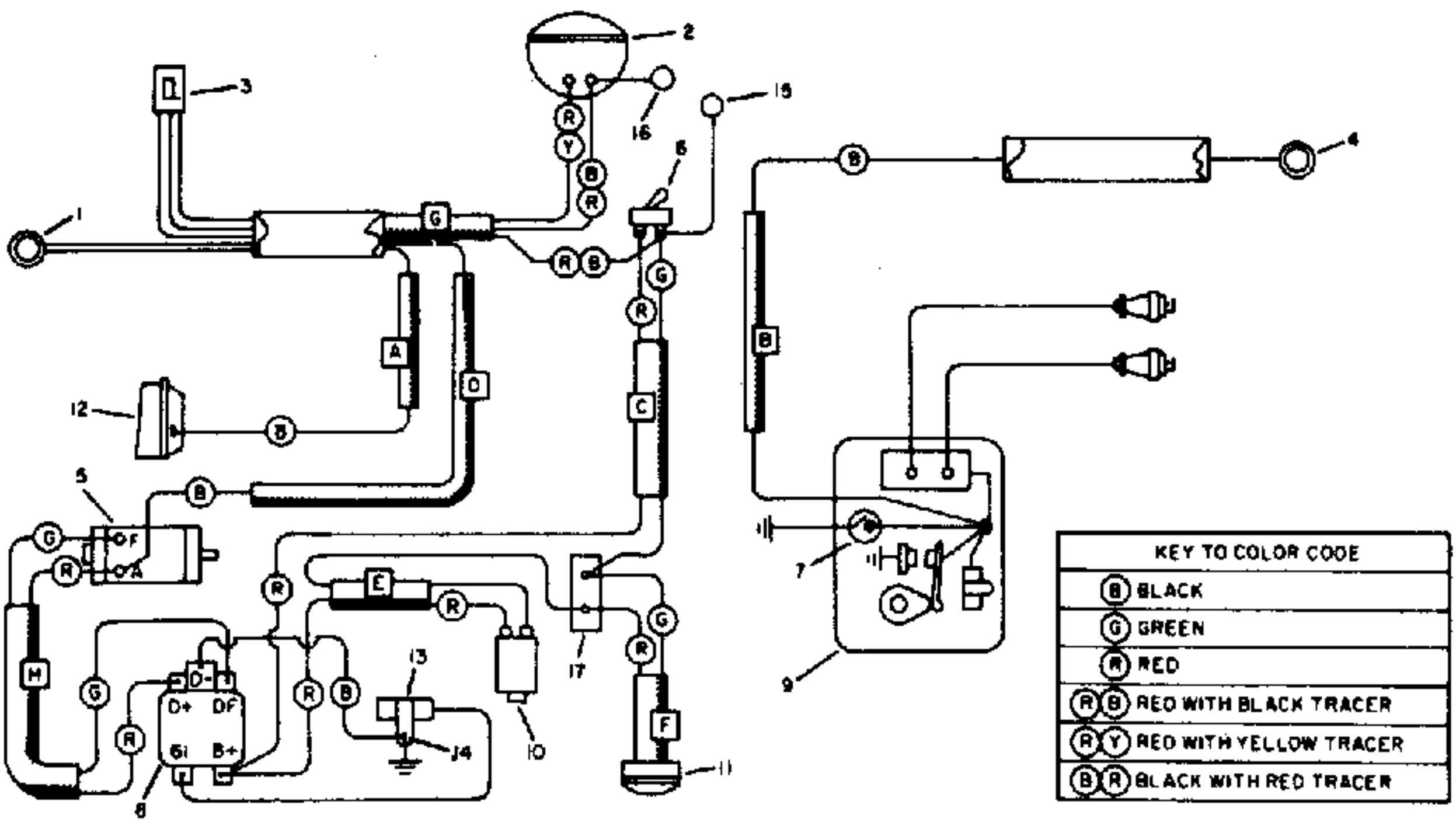
1. Switch terminal—Switch supply
2. Switch terminal—Headlamp
3. Switch terminal—Not used with standard wiring
4. Switch terminal—Tail lamp
5. Switch terminal—Ignition coil
6. Ignition—Light switch—See terminals 1 through 5
7. Junction terminal
8. Junction terminal
9. Terminal
10. Terminal
11. Terminal—Not used with standard wiring
12. Terminal—Not used with standard wiring
13. Regulator
14. Tail and stop lamp
15. Battery positive terminal
16. Battery negative terminal
17. Oil pressure signal switch
19. Horn switch
20. Terminal—Not used with standard wiring
21. Terminal
22. Terminal
23. Terminal—Not used with standard wiring
24. Terminal
25. Terminal
26. Ignition circuit breaker
27. Stop lamp switch
28. Generator signal light
29. Terminal—Not used with standard wiring
30. Terminal—Not used with standard wiring
31. Terminal
32. Generator "F" terminal
33. Generator "A" terminal
34. Starter solenoid
35. Starter motor
36. Ignition coil
37. Terminal plate
38. Terminal box—See terminals 39 through 43
39. Terminal
40. Terminal
41. Terminal
42. Terminal
43. Terminal
44. Speedometer light
45. Terminal plate top mounting screw (ground)
46. Headlamp
47. Neutral indicator light
48. Neutral switch
49. Starter button
50. Oil signal light
51. Horn
52. Circuit breaker



1966 Sportster CH

A. Conduit (one wire)—Black
B. Conduit (one wire)—Black
C. Conduit (two wires) —Red and green
D. Conduit (one wire)—Black
E. Conduit (two wires)—Red and green
F. Conduit (two wires)—Red and green
G. Conduit (three wires)—Red wire with black tracer, red wire with yellow tracer, black wire with red tracer
H. Conduit (two wires)—Green and red

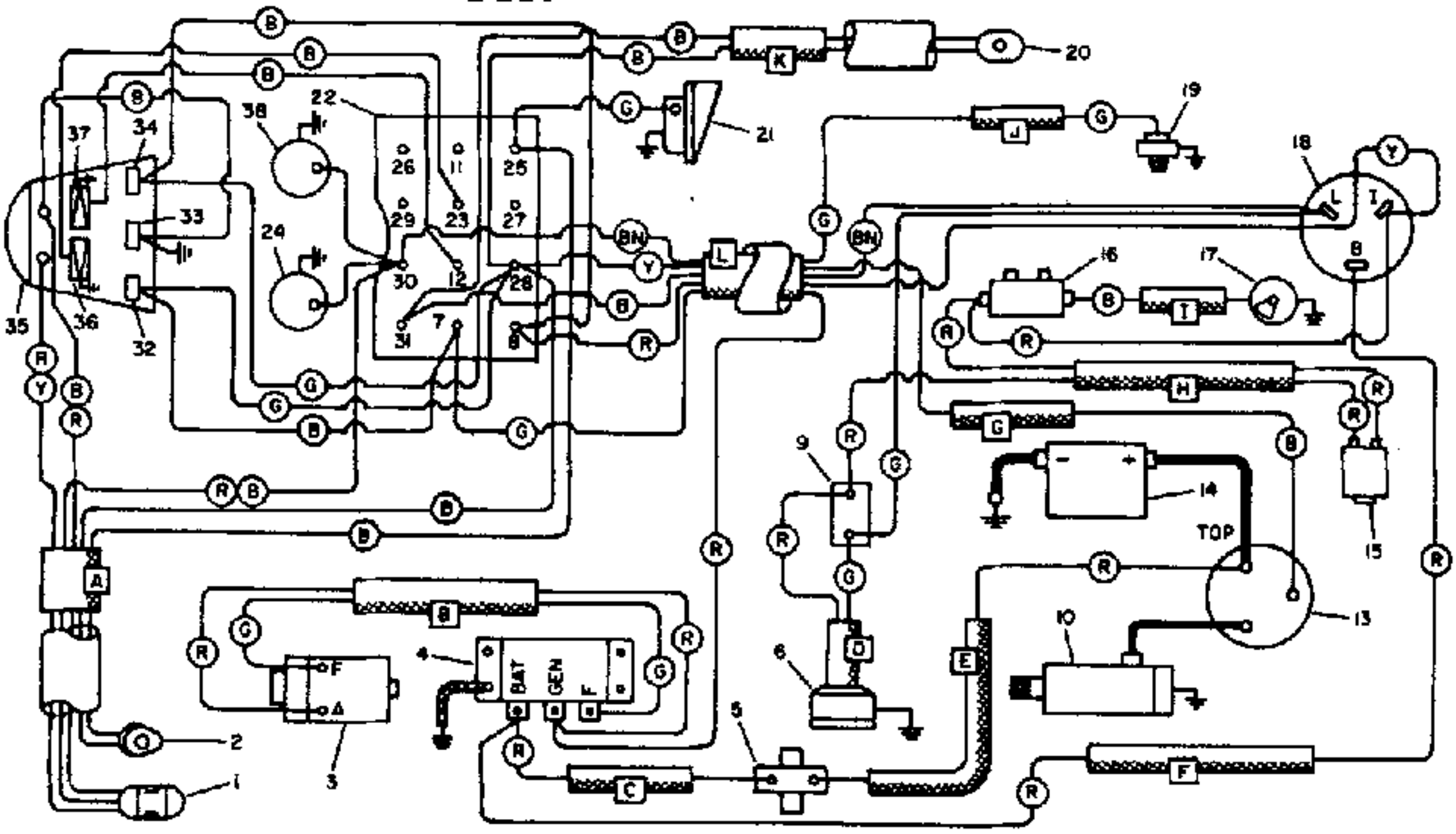
1. Horn switch—Two black wires
2. Headlamp—Black wire with red tracer and red wire with yellow tracer
3. Headlamp dimmer switch—Red wire with black tracer, red wire with yellow tracer, black wire with red tracer
4. Ignition cut-out switch—Black wire
5. Generator
   "F" terminal—Green wire
   "A" terminal—Black wire
6. Light switch—Red, green and red with black tracer wires
7. Ignition ground switch lock
8. Voltage regulator—
   DF terminal—Green wire
   D+ terminal—Red wire and condenser wire
   B+ terminal—Two red wires
   "61" terminal—Black wire
9. Magneto—Black wire
10. Stop light switch—Two red wires
11. Tail and stop lamp—Red and green wires
12. Horn—Black wire
13. Capacitor—Center black wire connected to regulator "61" terminal
14. Grounding screw—Black wire
15. Speedometer lamp



1967–69 Sportster CH

A. Conduit (one wire)—Black
B. Conduit (one wire)—Black
C. Conduit (two wires)—Red and green
D. Conduit (one wire)—Black
E. Conduit (two wires)—Red
F. Conduit (two wires)—Red and green
G. Conduit (three wires)—Red wire with black tracer, red wire with yellow tracer, black wire with red tracer
H. Conduit (two wires)—Green and red

1. Horn switch—Two black wires
2. Headlamp—Black wire with red tracer and red wire with yellow tracer
3. Headlamp dimmer switch—Red wire with black tracer, red wire with yellow tracer, black wire with red tracer
4. Ignition cut-out switch—Black wire
5. Generator
   "F" terminal—Green wire
   "A" terminal—Black wire
6. Light switch—Red, green and red with black tracer wires
7. Ignition ground switch lock
8. Voltage regulator—
   DF terminal—Green wire
   D+ terminal—Red wire and condenser wire
   B-+ terminal—Two red wires
   D— terminal—Black wire
9. Magneto—Black wire
10. Stop light switch—Two red wires
11. Tail and stop lamp—Red and green wires
12. Horn—Black wire
13. Capacitor—Black wire connected to regular D— terminal
14. Grounding screw—Black wire
15. Speedometer lamp
16. High beam indicator lamp
17. Terminal strip



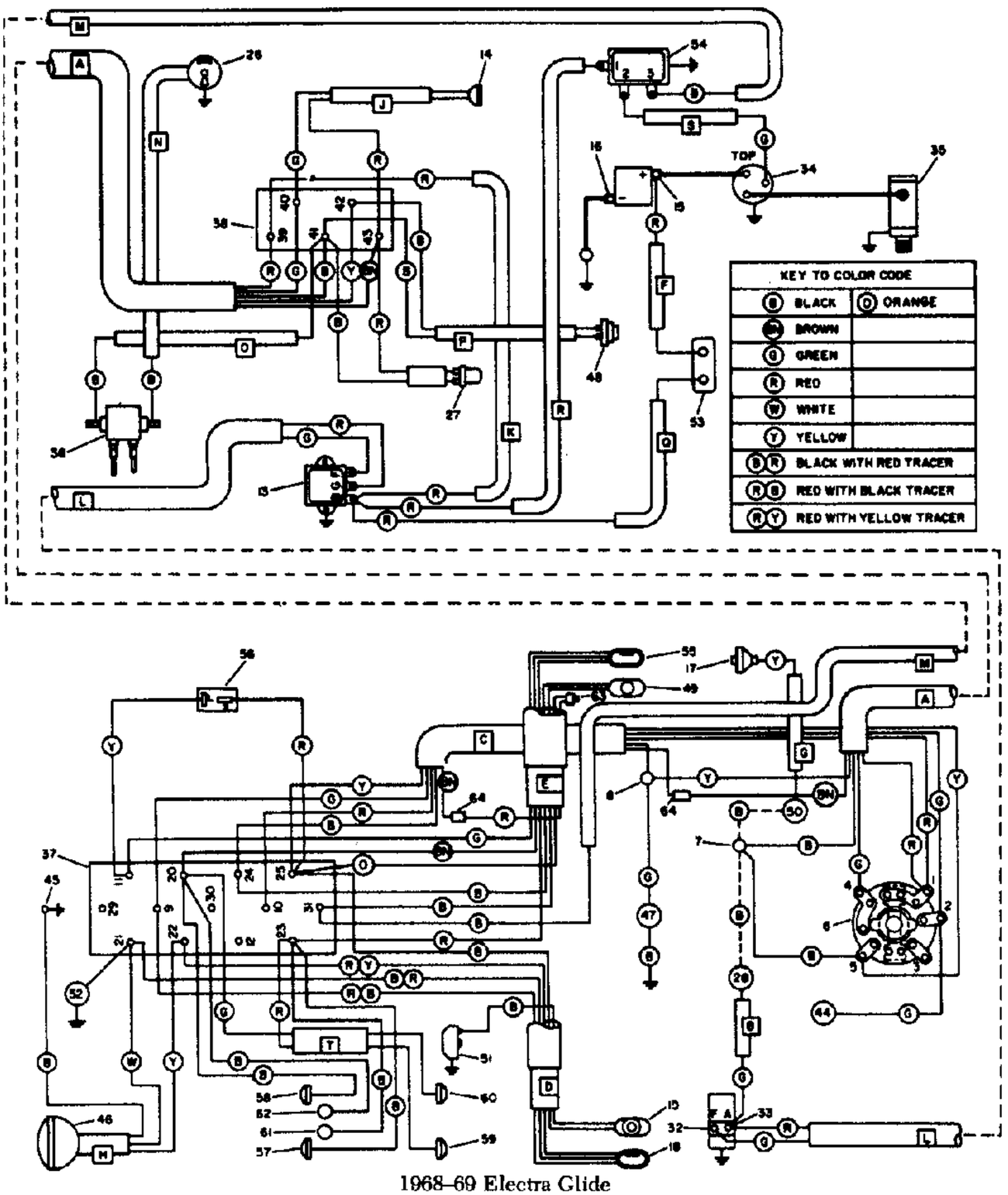
1967 Sportster H

A. Handlebar (five wires)—Red wire with black tracer, black wire with red tracer, red wire with yellow tracer, and 2 black wires
B. Conduit (two wires)—Green and red
C. Conduit (one wire)—Red
D. Conduit (two wires)—Red and green
E. Conduit (one wire)—Red
F. Conduit (one wire)—Red
G. Conduit (one wire)—Black
H. Conduit (two wires)—Red
I. Conduit (one wire)—Black
J. Conduit (one wire)—Green
K. Conduit (two wires)—Black
L. Conduit (five wires)—Brown, yellow, black, red and green

1. Headlamp dimmer switch
2. Horn switch
3. Generator "F" & "A" terminals
4. Regulator
   "BAT" terminal
   "GEN" terminal
   "F" terminal
5. Overload circuit breaker
6. Tail lamp
7. Terminal
8. Terminal
9. Junction terminal board
10. Starter motor
11. Terminal—Not used with standard wiring
12. Terminal
13. Starter solenoid
14. Battery
15. Stoplight switch
16. Ignition coil
17. Circuit breaker
18. Ignition—Light switch
19. Oil signal light switch
20. Starter button
21. Horn
22. Terminal plate
23. Terminal
24. Speedometer light
25. Terminal
26. Terminal—Not used with standard wiring
27. Terminal—Not used with standard wiring
28. Terminal
29. Terminal—Not used with standard wiring
30. Terminal
31. Terminal
32. Oil signal light
33. High beam indicator light
34. Generator indicator light
35. Headlamp
36. Left direction signal pilot lamp
37. Right direction signal pilot lamp
38. Tachometer light

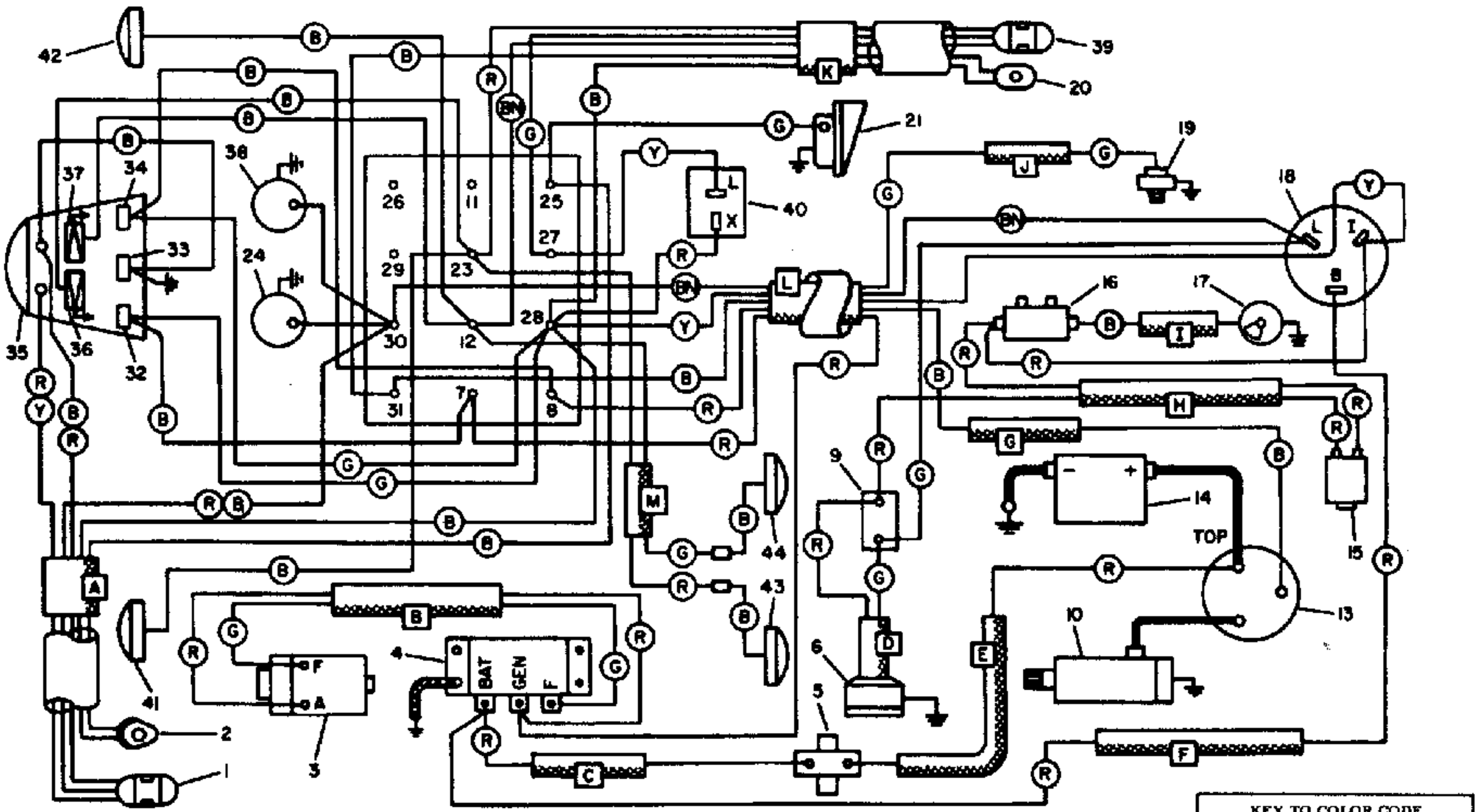
KEY TO COLOR CODE

B	Black
Y	Yellow
BN	Brown
G	Green
R	Red
B R	Black with Red tracer
R B	Red with Black tracer
R Y	Red with Yellow tracer



1968–69 Electra Glide

A. Conduit (four wire)—Red, green, black and yellow
B. Conduit (one wire)—Green
C. Conduit (four wire)—Red, green, yellow and black
D. Left handlebar (loose wires)—Red with black tracer, black with red tracer, red with yellow tracer, 2 black wires
E. Right handlebar (loose wires)—Red, green, brown, 2 black wires
F. Conduit (one wire)—Red
G. Conduit (one wire)—Yellow
H. Conduit (three wire)—Black, white and yellow
J. Conduit (two wires)—Red and green
K. Conduit (one wire)—Red
L. Conduit (two wire)—Green and red
M. Conduit (one wire)—Black
N. Conduit (one wire)—Black
O. Conduit (one wire)—Black
P. Conduit (two wire)—2 Black wires
Q. Conduit (one wire)—Red
R. Conduit (one wire)—Red
S. Conduit (one wire)—Green
T. Conduit (two wire)—Red and green
1. Switch terminal—Switch supply
2. Switch terminal—Headlamp
3. Switch terminal—Not used with standard wiring
4. Switch terminal—Tail lamp
5. Switch terminal—Ignition coil
6. Ignition—Light switch—See terminals 1 through 5
7. Junction terminal
8. Junction terminal
9. Terminal
10. Terminal
11. Terminal
12. Terminal—Not used with standard wiring
13. Regulator
14. Tail and stop lamp
15. Battery positive terminal
16. Battery negative terminal
17. Oil pressure signal switch
19. Horn switch
20. Terminal—Not used with standard wiring
21. Terminal
22. Terminal
23. Terminal
24. Terminal
25. Terminal
26. Ignition circuit breaker
27. Stop lamp switch
28. Generator signal light
29. Terminal—Not used with standard wiring
30. Terminal—Not used with standard wiring
31. Terminal
32. Generator "F" terminal
33. Generator "A" terminal
34. Starter solenoid
35. Starter motor
36. Ignition coil
37. Terminal plate
38. Terminal box—See terminals 39 through 43
39. Terminal
40. Terminal
41. Terminal
42. Terminal
43. Terminal
44. Speedometer light
45. Terminal plate top mounting screw (ground)
46. Headlamp
47. Neutral indicator light
48. Neutral switch
49. Starter button
50. Oil signal light
51. Horn
52. Hight beam indicator lamp
53. Overload circuit breaker
54. Starter relay
55. Direction signal switch
56. Direction signal flasher
57. Left front direction lamp
58. Right front direction lamp
59. Left rear direction lamp
60. Right rear direction lamp
61. Left direction signal pilot lamp
62. Right direction signal pilot lamp
63. Stop lamp front switch
64. Connector

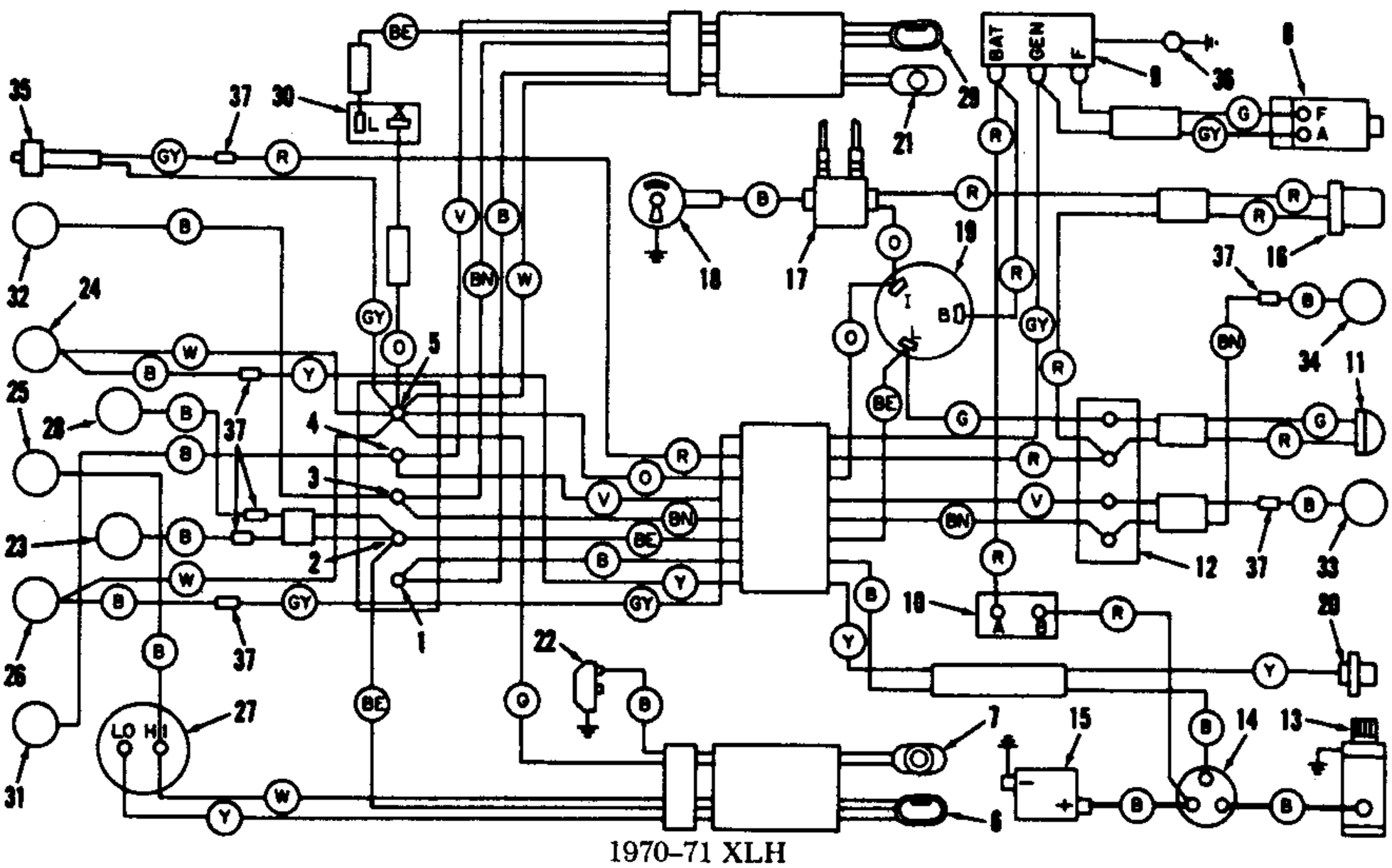


1968-69 Sportster H

A. Handlebar (five wires)—Red wire with black tracer, black wire with red tracer, red wire with yellow tracer, and two black wires
B. Conduit (two wires)—Green and red wires
C. Conduit (one wire)—Red wire
D. Conduit (two wires)—Red and green wires
E. Conduit (one wire)—Red wire
F. Conduit (one wire)—Red wire
G. Conduit (one wire)—Black wire
H. Conduit (two wires)—Red wires
I. Conduit (one wire)—Black wire
J. Conduit (one wire)—Green wire
K. Handlebar (five wires)—Red, brown, green, and two black wires
L. Conduit (five wires)—Brown, yellow, black, red, and green
M. Conduit (two wires)—Red and green wires

1. Headlamp dimmer switch
2. Horn switch
3. Generator "F" and "A" terminals
4. Regulator "BAT", "GEN", and "F" terminals
5. Overload circuit breaker
6. Tail lamp
7. Terminal
8. Terminal
9. Junction terminal board
10. Starter motor
11. Terminal—Not used with standard wiring
12. Terminal
13. Starter solenoid
14. Battery
15. Stoplight switch
16. Ignition coil
17. Circuit breaker
18. Ignition—light switch
19. Oil signal light switch
20. Starter button
21. Horn
22. Terminal plate
23. Terminal
24. Speedometer light
25. Terminal
26. Terminal—Not used with standard wiring
27. Terminal—Not used with standard wiring
28. Terminal
29. Terminal—Not used with standard wiring
30. Terminal
31. Terminal
32. Oil signal light
33. High beam indicator light
34. Generator indicator light
35. Headlamp
36. Left directional signal pilot lamp
37. Right directional signal pilot lamp
38. Tachometer light
39. Direction signal switch
40. Direction signal flasher
41. Left front direction lamp
42. Right front direction lamp
43. Left rear direction lamp
44. Right rear direction lamp

KEY TO COLOR CODE	
B	Black
Y	Yellow
BN	Brown
G	Green
R	Red
B R	Black with Red tracer
R B	Red with Black tracer
R Y	Red with Yellow tracer



1970–71 XLH

1970–71 XLCH

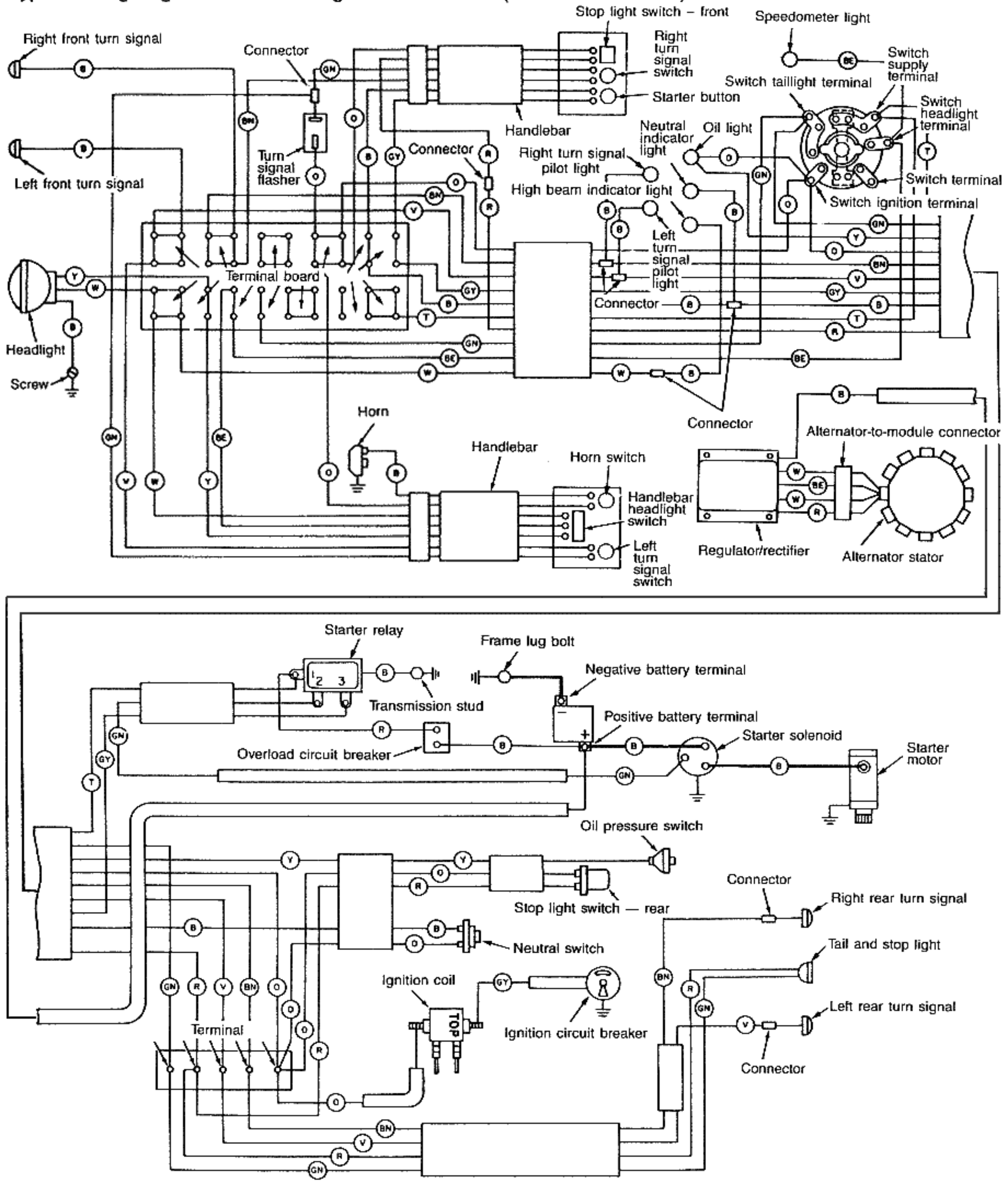
1972 and later XLH (standard seat)

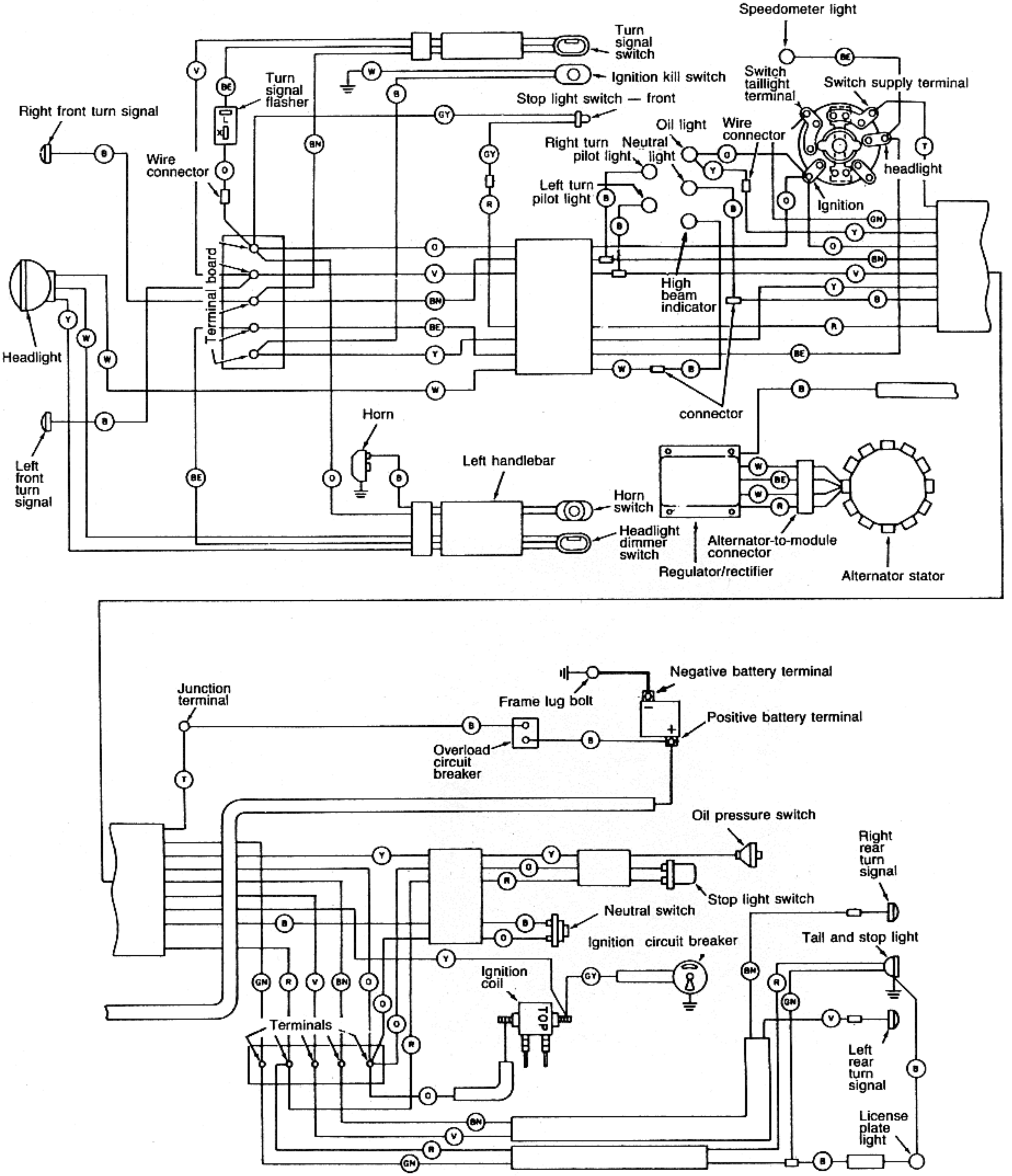
No's 1. thru 5. Fork terminal board terminals
6. Headlamp dimmer switch
7. Horn switch
8. Generator "F" & "A" terminals
9. Regulator
   "BAT" or B terminal
   "GEN" or D
   "F" or DF terminal
10. Overload circuit breaker
11. Tail lamp
12. Junction terminal board (4 terminals)
13. Starter motor (XLH)
14. Starter solenoid (XLH)
15. Battery
16. Rear stoplight switch
17. Ignition coil
18. Ignition circuit breaker
19. Ignition—light switch
20. Oil signal light switch
21. Starter button (XLH)
22. Horn
23. Speedometer light
24. Oil signal light
25. High beam indicator light
26. Generator indicator light
27. Headlamp
28. Tachometer light
29. Direction signal switch
30. Direction signal flasher
31. Left front direction lamp
32. Right front direction lamp
33. Left rear direction lamp
34. Right rear direction lamp
35. Front stoplight switch
36. Crankcase bolt
37. Connector
38. License lamp
39. Starter relay (XLH)

KEY TO COLOR CODE

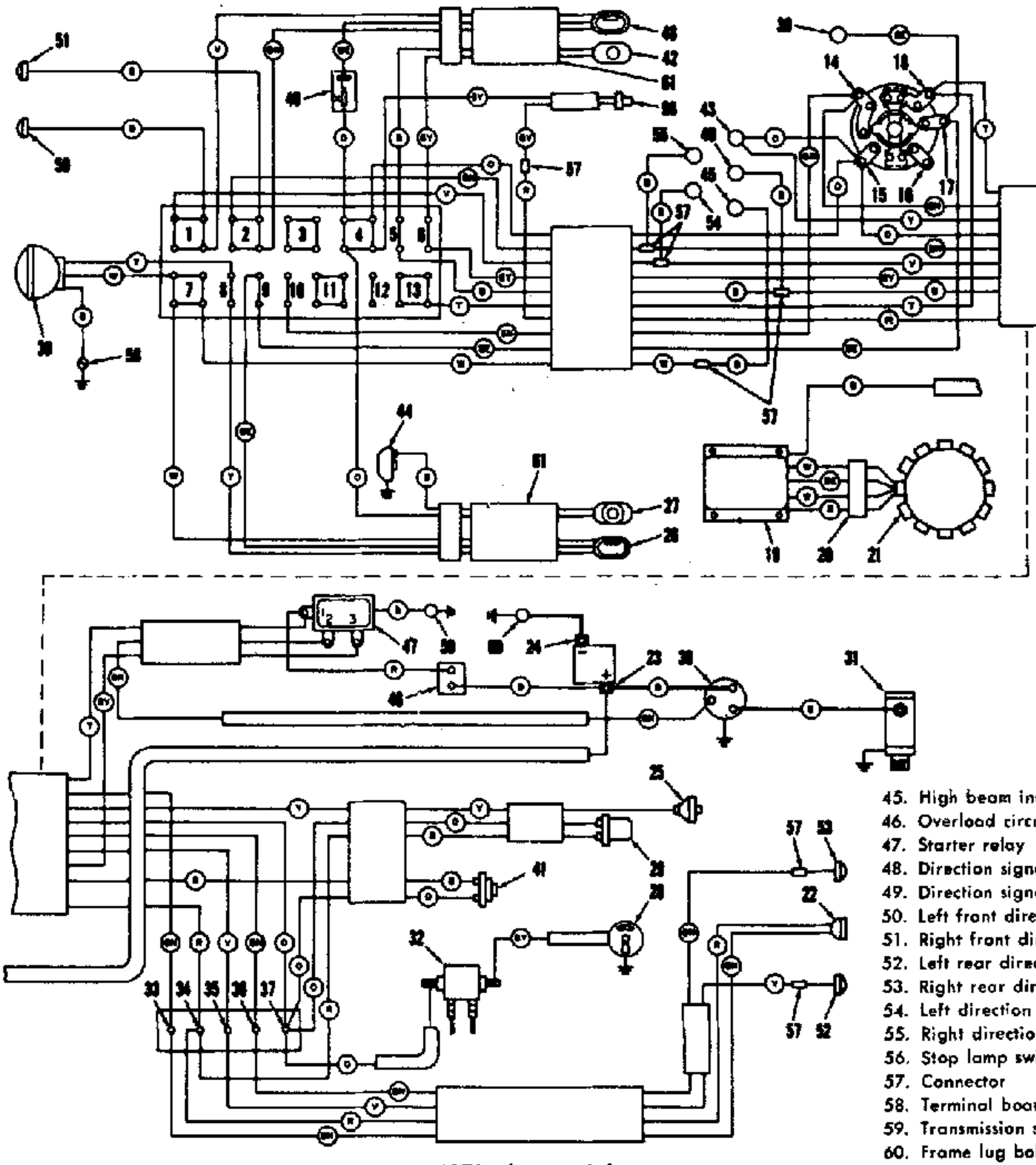
B	BLACK
W	WHITE
O	ORANGE
R	RED
G	GREEN
Y	YELLOW
V	VIOLET
BE	BLUE
BN	BROWN
GY	GRAY

Typical wiring diagram for 1970 through 1972 FL models (1972 FL/FLH shown)





Typical wiring diagram for 1970 through 1972 FX models (1971 FX/FXE shown)



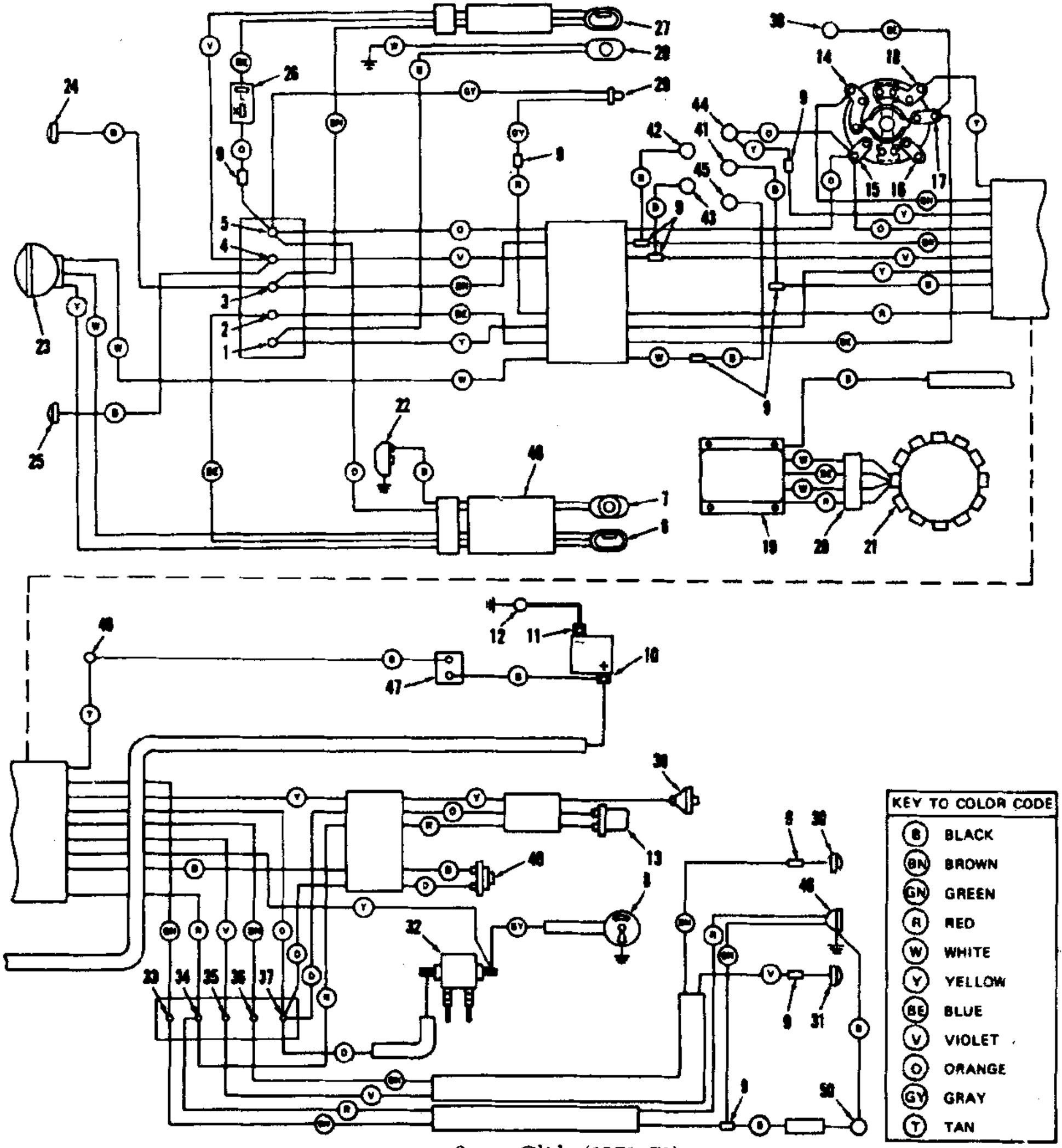
1970 Electra Glide

1. to 13. Front terminal board terminals
14. Switch tail lamp terminal
15. Switch ignition terminal
16. Switch terminal (not used with standard wiring)
17. Switch headlamp terminal
18. Switch supply terminal
19. Regulator-rectifier module
20. Alternator to module connector plug
21. Alternator stator
22. Tail and stop lamp
23. Battery positive terminal
24. Battery negative terminal
25. Oil pressure signal switch
26. Handlebar headlamp switch
27. Horn switch

KEY TO COLOR CODE	
B	BLACK
BN	BROWN
G	GREEN
R	RED
W	WHITE
Y	YELLOW
BE	BLUE
V	VIOLET
O	ORANGE
GY	GRAY
T	TAN

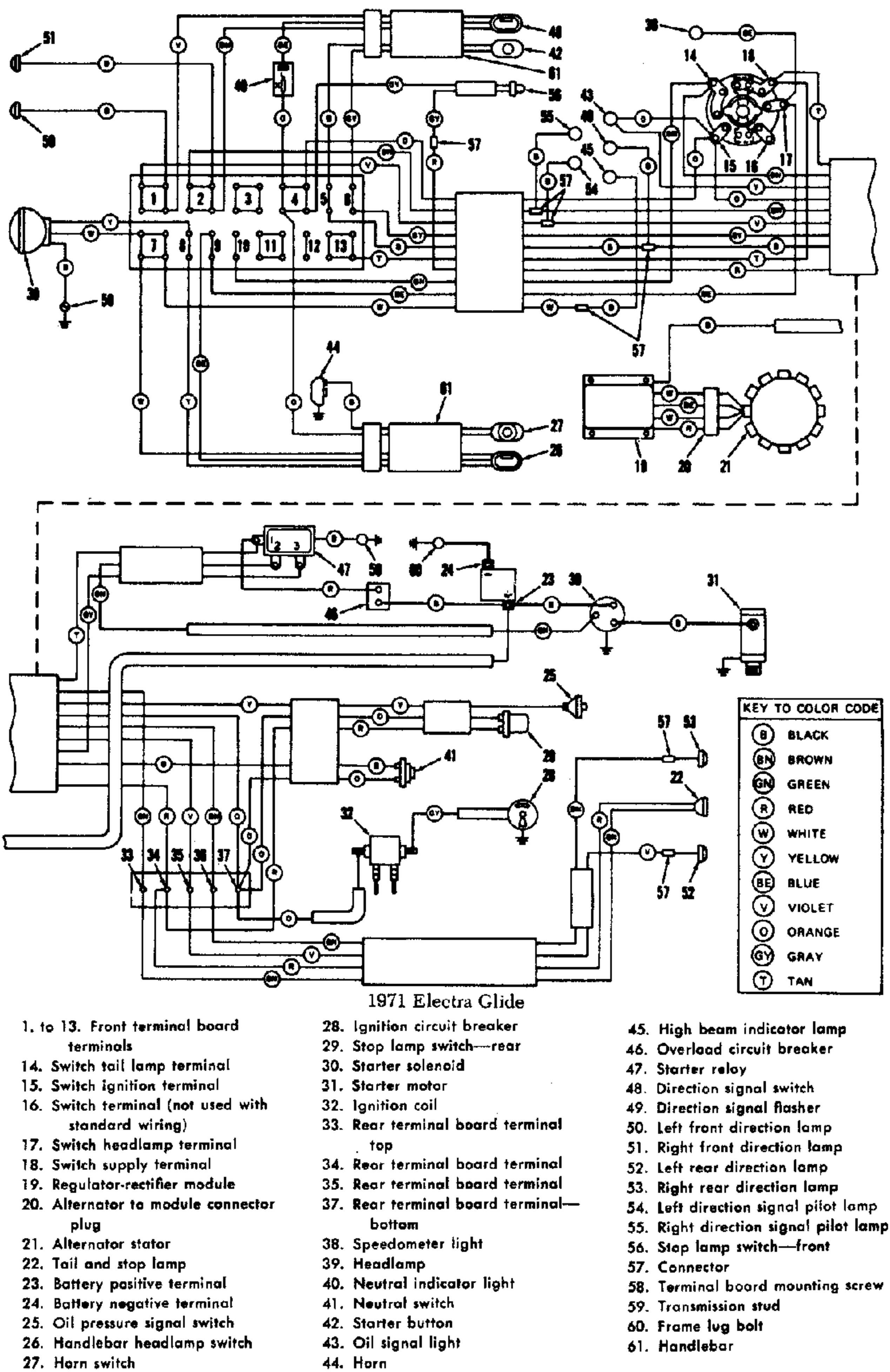
28. Ignition circuit breaker
29. Stop lamp switch—rear
30. Starter solenoid
31. Starter motor
32. Ignition coil
33. Rear terminal board terminal—top
34. Rear terminal board terminal
35. Rear terminal board terminal
37. Rear terminal board terminal—bottom
38. Speedometer light
39. Headlamp
40. Neutral indicator light
41. Neutral switch
42. Starter button
43. Oil signal light
44. Horn

45. High beam indicator lamp
46. Overload circuit breaker
47. Starter relay
48. Direction signal switch
49. Direction signal flasher
50. Left front direction lamp
51. Right front direction lamp
52. Left rear direction lamp
53. Right rear direction lamp
54. Left direction signal pilot lamp
55. Right direction signal pilot lamp
56. Stop lamp switch—front
57. Connector
58. Terminal board mounting screw
59. Transmission stud
60. Frame lug bolt
61. Handlebar



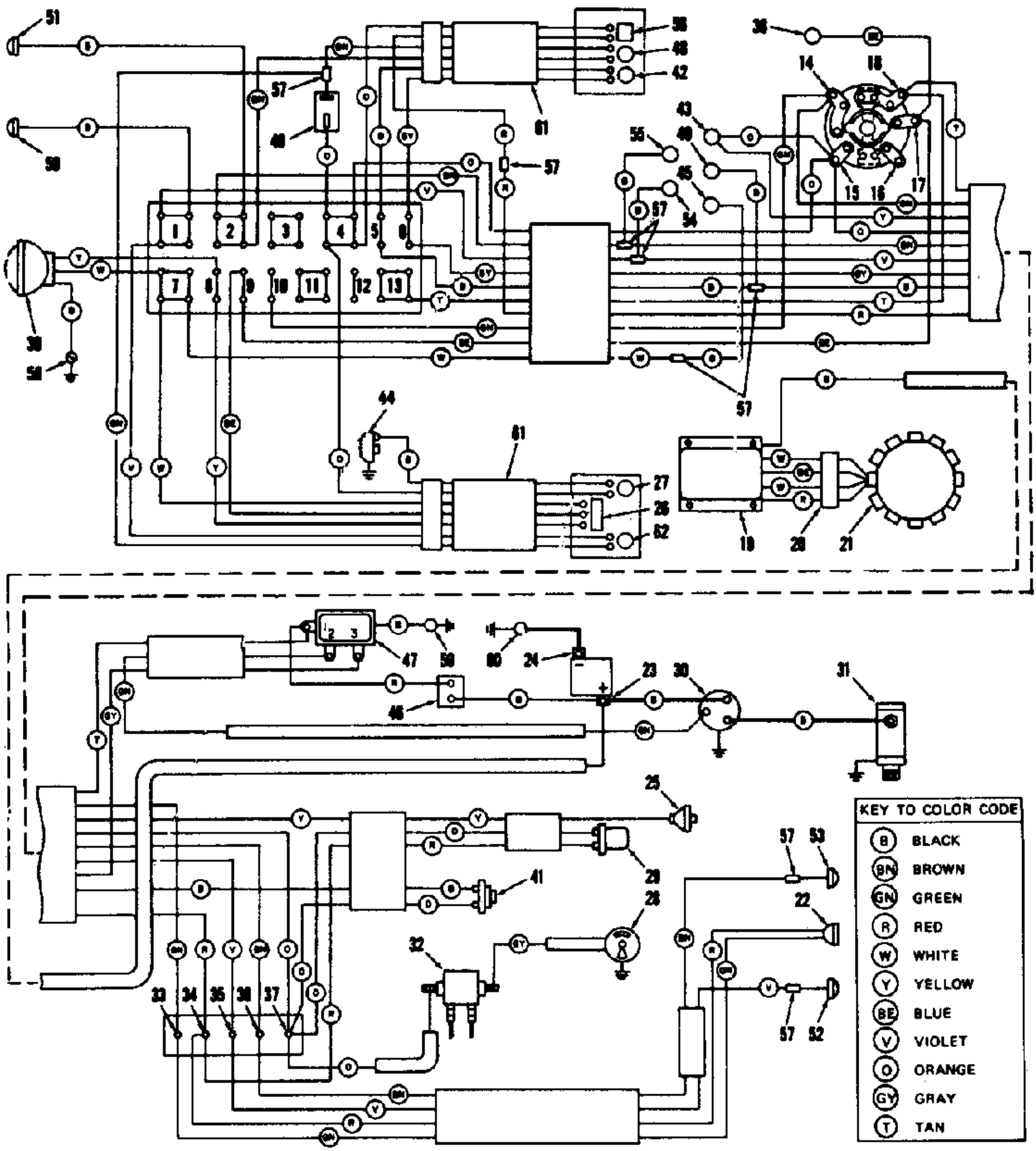
Super Glide (1971–72)

1. to 5. Fork terminal board terminals
6. Headlamp dimmer switch
7. Horn switch
8. Ignition circuit breaker
9. Wire connector
10. Battery positive terminal
11. Battery negative terminal
12. Frame lug bolt
13. Stop lamp switch—rear
14. Switch tail lamp terminal
15. Switch ignition terminal
16. Switch terminal (not used with standard wiring)
17. Switch headlamp terminal
18. Switch supply terminal
19. Regulator—rectifier module
20. Alternator to module connector plug
21. Alternator stator
22. Horn
23. Headlamp
24. Right front direction lamp
25. Left front direction lamp
26. Direction signal flasher
27. Direction signal switch
28. Ignition cutout button
29. Stop lamp switch—front
30. Right rear direction signal lamp
31. Left rear direction signal lamp
32. Ignition coil
33. Rear terminal board terminal—top
34. Rear terminal board terminal
35. Rear terminal board terminal
36. Rear terminal board terminal
37. Rear terminal board terminal—bottom
38. Speedometer light
39. Oil pressure signal switch
40. Neutral switch
41. Neutral indicator light
42. Right direction signal pilot lamp
43. Left direction signal pilot lamp
44. Oil signal lamp
45. High beam indicator lamp
46. Tail and stop lamp
47. Overload circuit breaker
48. Left handlebar
49. Junction terminal
50. License lamp



1971 Electra Glide

1. to 13. Front terminal board terminals
14. Switch tail lamp terminal
15. Switch ignition terminal
16. Switch terminal (not used with standard wiring)
17. Switch headlamp terminal
18. Switch supply terminal
19. Regulator-rectifier module
20. Alternator to module connector plug
21. Alternator stator
22. Tail and stop lamp
23. Battery positive terminal
24. Battery negative terminal
25. Oil pressure signal switch
26. Handlebar headlamp switch
27. Horn switch
28. Ignition circuit breaker
29. Stop lamp switch—rear
30. Starter solenoid
31. Starter motor
32. Ignition coil
33. Rear terminal board terminal top
34. Rear terminal board terminal
35. Rear terminal board terminal
37. Rear terminal board terminal—bottom
38. Speedometer light
39. Headlamp
40. Neutral indicator light
41. Neutral switch
42. Starter button
43. Oil signal light
44. Horn
45. High beam indicator lamp
46. Overload circuit breaker
47. Starter relay
48. Direction signal switch
49. Direction signal flasher
50. Left front direction lamp
51. Right front direction lamp
52. Left rear direction lamp
53. Right rear direction lamp
54. Left direction signal pilot lamp
55. Right direction signal pilot lamp
56. Stop lamp switch—front
57. Connector
58. Terminal board mounting screw
59. Transmission stud
60. Frame lug bolt
61. Handlebar



1972 Electra Glide

1. to 13. Front terminal board terminals
14. Switch tail lamp terminal
15. Switch ignition terminal
16. Switch terminal (not used with standard wiring)
17. Switch headlamp terminal
18. Switch supply terminal
19. Regulator-rectifier module
20. Alternator to module connector plug
21. Alternator stator
22. Tail and stop lamp
23. Battery positive terminal
24. Battery negative terminal
25. Oil pressure signal switch
26. Handlebar headlamp switch
27. Horn switch
28. Ignition circuit breaker
29. Stop lamp switch—rear
30. Starter solenoid
31. Starter motor
32. Ignition coil
33. Rear terminal board terminal—top
34. Rear terminal board terminal
35. Rear terminal board terminal
37. Rear terminal board terminal—bottom
38. Speedometer light
39. Headlamp
40. Neutral indicator light
41. Neutral switch
42. Starter button
43. Oil signal light
44. Horn
45. High beam indicator lamp
46. Overload circuit breaker
47. Starter relay
48. Direction signal switch
49. Direction signal flasher
50. Left front direction lamp
51. Right front direction lamp
52. Left rear direction lamp
53. Right rear direction lamp
54. Left direction signal pilot lamp
55. Right direction signal pilot lamp
56. Stop lamp switch—front
57. Connector
58. Terminal board mounting screw
59. Transmission stud
60. Frame lug bolt
61. Handlebar
62. Left direction signal switch

1972 and later XLCH (low seat)

1972 and later XLCH (standard seat)

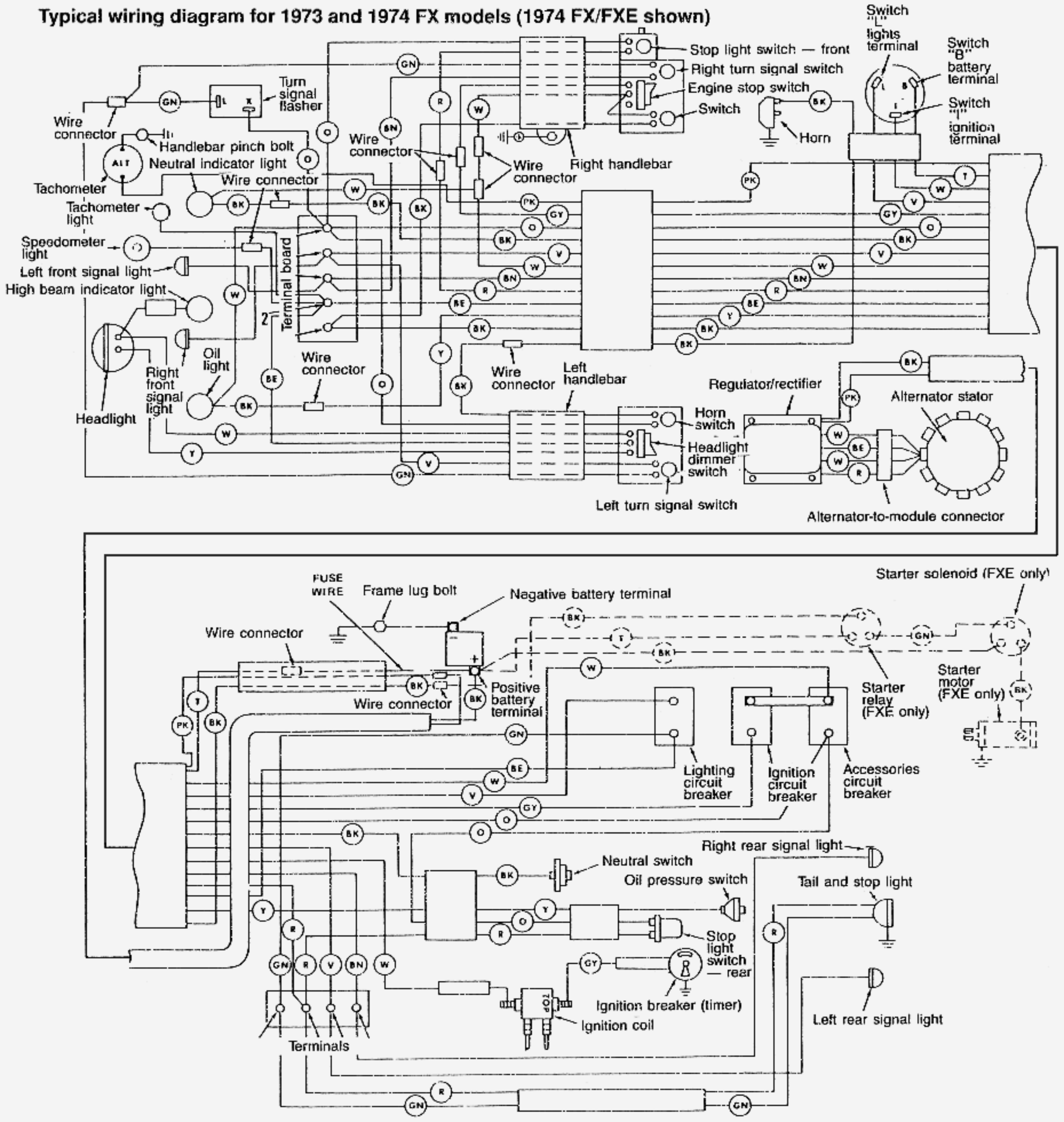
1972 and later XLH (low seat)

No's 1. thru 5. Fork terminal board terminals
6. Headlamp dimmer switch
7. Horn switch
8. Generator "F" & "A" terminals
9. Regulator
   "BAT" or B terminal
   "GEN" or D
   "F" or DF terminal
10. Overload circuit breaker
11. Tail lamp
12. Junction terminal board (4 terminals)
13. Starter motor (XLH)
14. Starter solenoid (XLH)
15. Battery
16. Rear stoplight switch
17. Ignition coil
18. Ignition circuit breaker
19. Ignition—light switch
20. Oil signal light switch
21. Starter button (XLH)
22. Horn
23. Speedometer light
24. Oil signal light
25. High beam indicator light
26. Generator indicator light
27. Headlamp
28. Tachometer light
29. Direction signal switch
30. Direction signal flasher
31. Left front direction lamp
32. Right front direction lamp
33. Left rear direction lamp
34. Right rear direction lamp
35. Front stoplight switch
36. Crankcase bolt
37. Connector
38. License lamp
39. Starter relay (XLH)

KEY TO COLOR CODE

B	BLACK
W	WHITE
O	ORANGE
R	RED
G	GREEN
Y	YELLOW
V	VIOLET
BE	BLUE
BN	BROWN
GY	GRAY

Typical wiring diagram for 1973 and 1974 FX models (1974 FX/FXE shown)

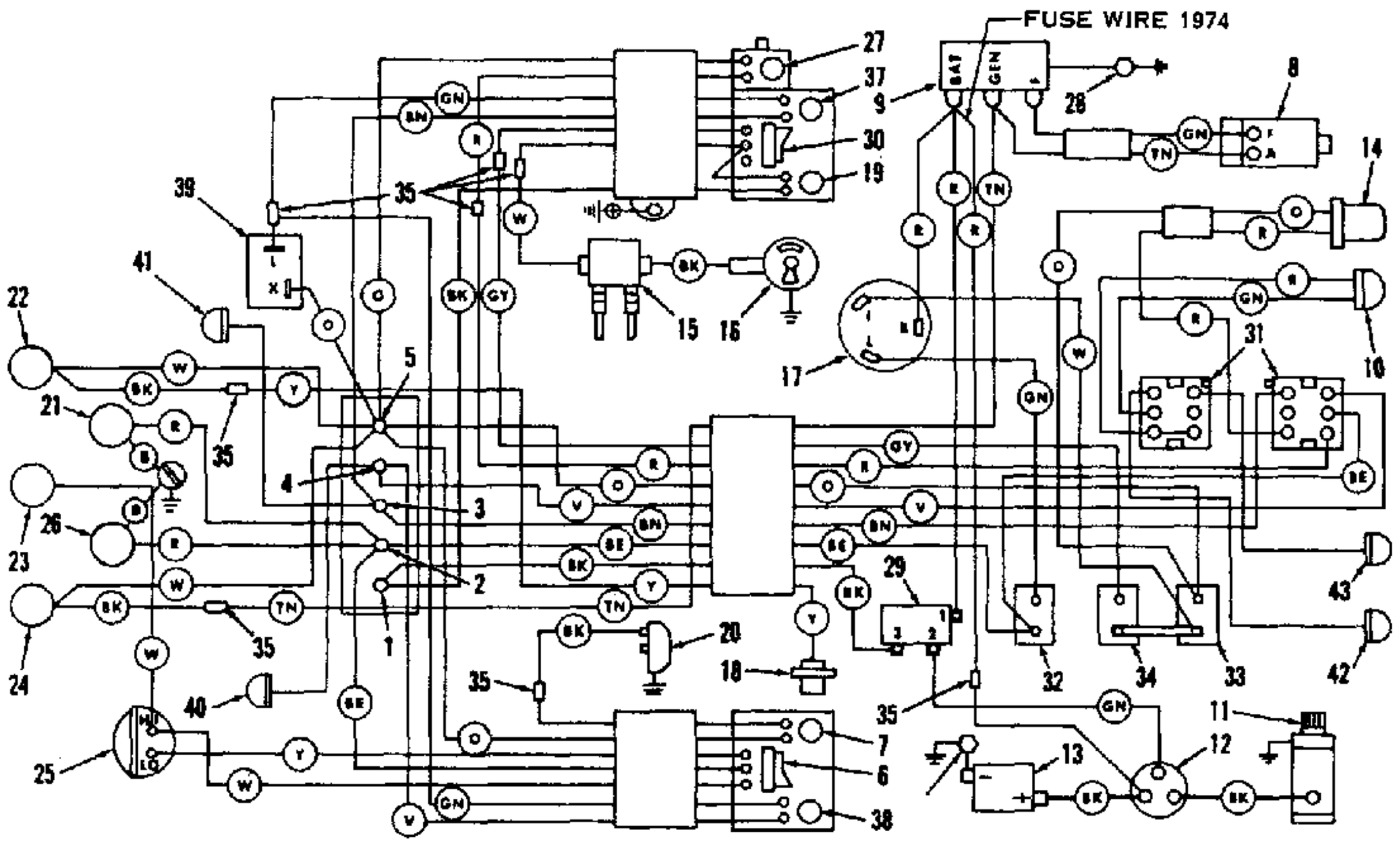


SWITCH CONNECTIONS	
POSITION	CONTACTS
ACCESSORY	1-4
OFF	.....
IGNITION & ACCESSORY	1-2-6
IGNITION, LIGHT & ACCESSORY	2-3-5-6

KEY TO COLOR CODE	
BK	BLACK
BN	BROWN
GN	GREEN
R	RED
W	WHITE
Y	YELLOW
BE	BLUE
V	VIOLET
O	ORANGE
GY	GRAY
T	TAN

FL/FLH (1973–1974)

1. Front terminal board terminals (1 to 11)
2. Switch terminals (1 to 6)
3. Regulator-rectifier module
4. Alternator to module connector plug
5. Alternator stator
6. Tail and stop lamp
7. Battery positive terminal
8. Battery negative terminal
9. Oil pressure signal switch
10. Headlamp beam switch
11. Horn switch
12. Ignition breaker (timer)
13. Stop lamp switch—rear
14. Starter solenoid
15. Starter motor
16. Ignition coil
17. Rear terminal board terminal—top
18. Rear terminal board terminal
19. Rear terminal board terminal
20. Rear terminal board terminal —bottom
21. Speedometer light
22. Headlamp
23. Neutral indicator light
24. Neutral switch
25. Starter button
26. Oil signal light
27. Horn
28. High beam indicator lamp
29. Engine stop switch
30. Starter relay
31. Right direction signal switch
32. Direction signal flasher
33. Left front direction lamp
34. Right front direction lamp
35. Left rear direction lamp
36. Right rear direction lamp
37. Left direction signal pilot lamp
38. Right direction signal pilot lamp
39. Stop lamp switch—front
40. Connector
41. Terminal board mounting screw
42. Transmission stud
43. Frame lug bolt
44. Right handlebar
45. Left handlebar
46. Left direction signal switch
47. Lighting circuit breaker
48. Ignition circuit breaker
49. Accessories circuit breaker
50. Emergency flasher
51. Emergency flasher switch
52. Passing lamp switch
53. Passing lamp



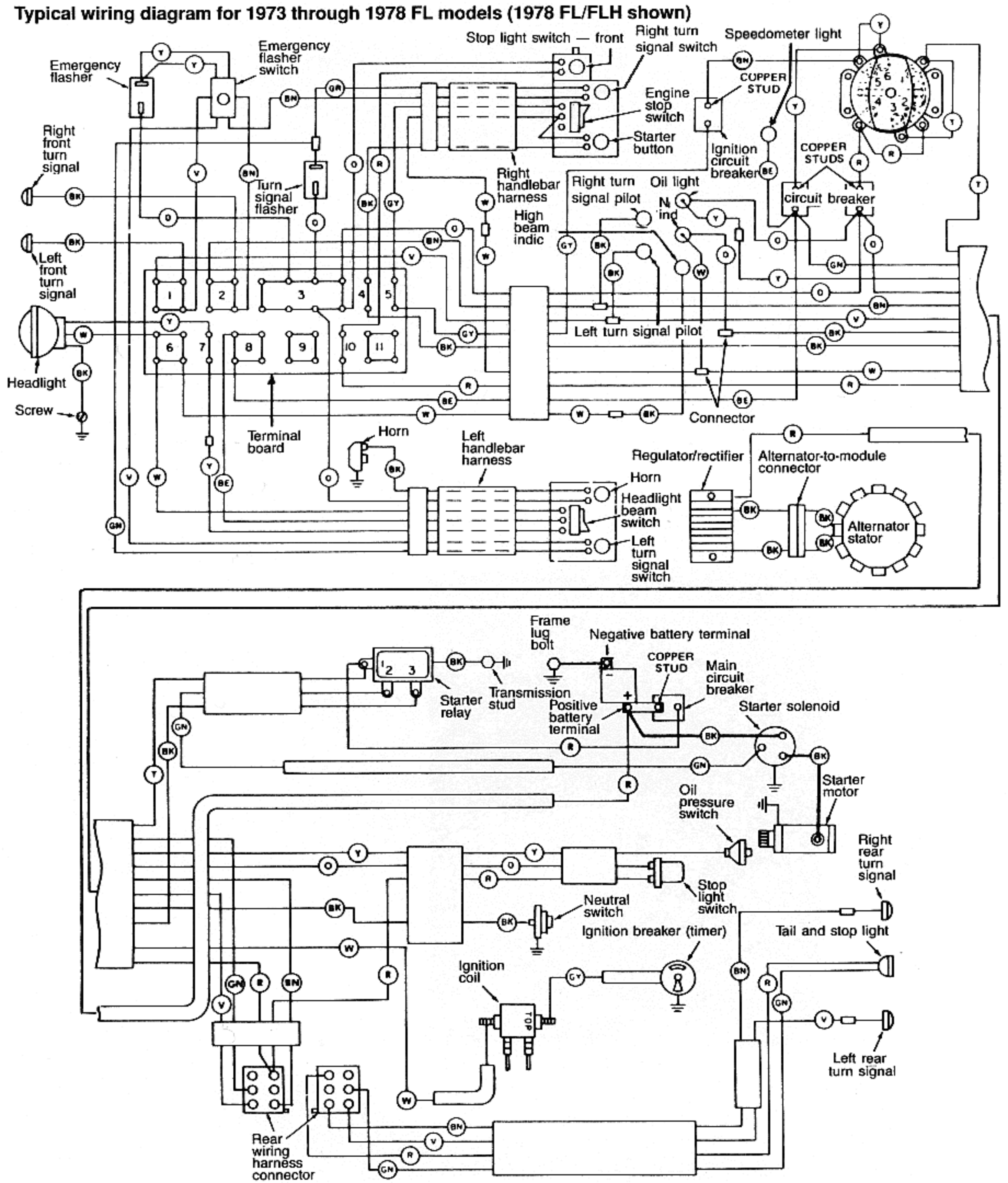
XL (1973–1974)

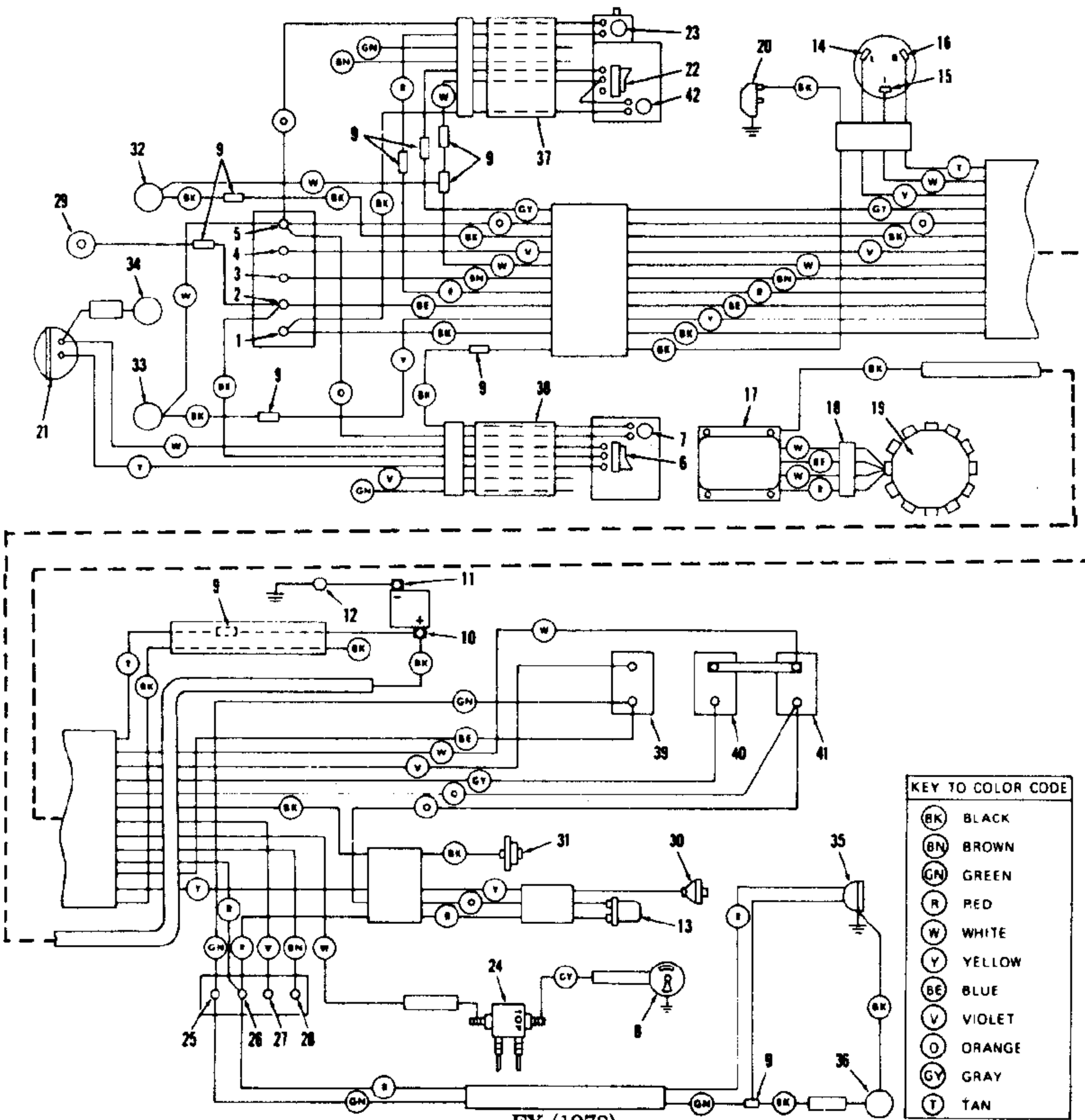
1. Fork terminal board terminal
2. Fork terminal board terminal
3. Fork terminal board terminal
4. Fork terminal board terminal
5. Fork terminal board terminal
6. Headlamp dimmer switch
7. Horn switch
8. Generator "F" and "A" terminals
9. Regulator
   "BAT" or B+ terminal
   "GEN" or D+
   "F" or DF terminal
10. Tail lamp
11. Starter motor
12. Starter solenoid
13. Battery
14. Rear stoplight switch
15. Ignition coil
16. Ignition breaker (timer)
17. Ignition—light switch
18. Oil signal light switch
19. Starter button
20. Horn
21. Speedometer light
22. Oil signal light
23. High beam indicator light
24. Generator indicator light
25. Headlamp
26. Tachometer light
27. Front stoplight switch
28. Crankcase bolt
29. Starter relay
30. Engine stop switch
31. Rear harness connector
32. Lighting circuit breaker
33. Accessory circuit breaker
34. Ignition circuit breaker
35. Connector
36. Frame bolt
37. Right direction signal switch
38. Left direction signal switch
39. Direction signal flasher
40. Left front direction lamp
41. Right front direction lamp
42. Left rear direction lamp
43. Right rear direction lamp

KEY TO COLOR CODE	
B	BLACK
W	WHITE
O	ORANGE
R	RED
G	GREEN
Y	YELLOW
V	VIOLET
BE	BLUE
BN	BROWN
GY	GRAY
TN	TAN

XLCH (1973–1974)

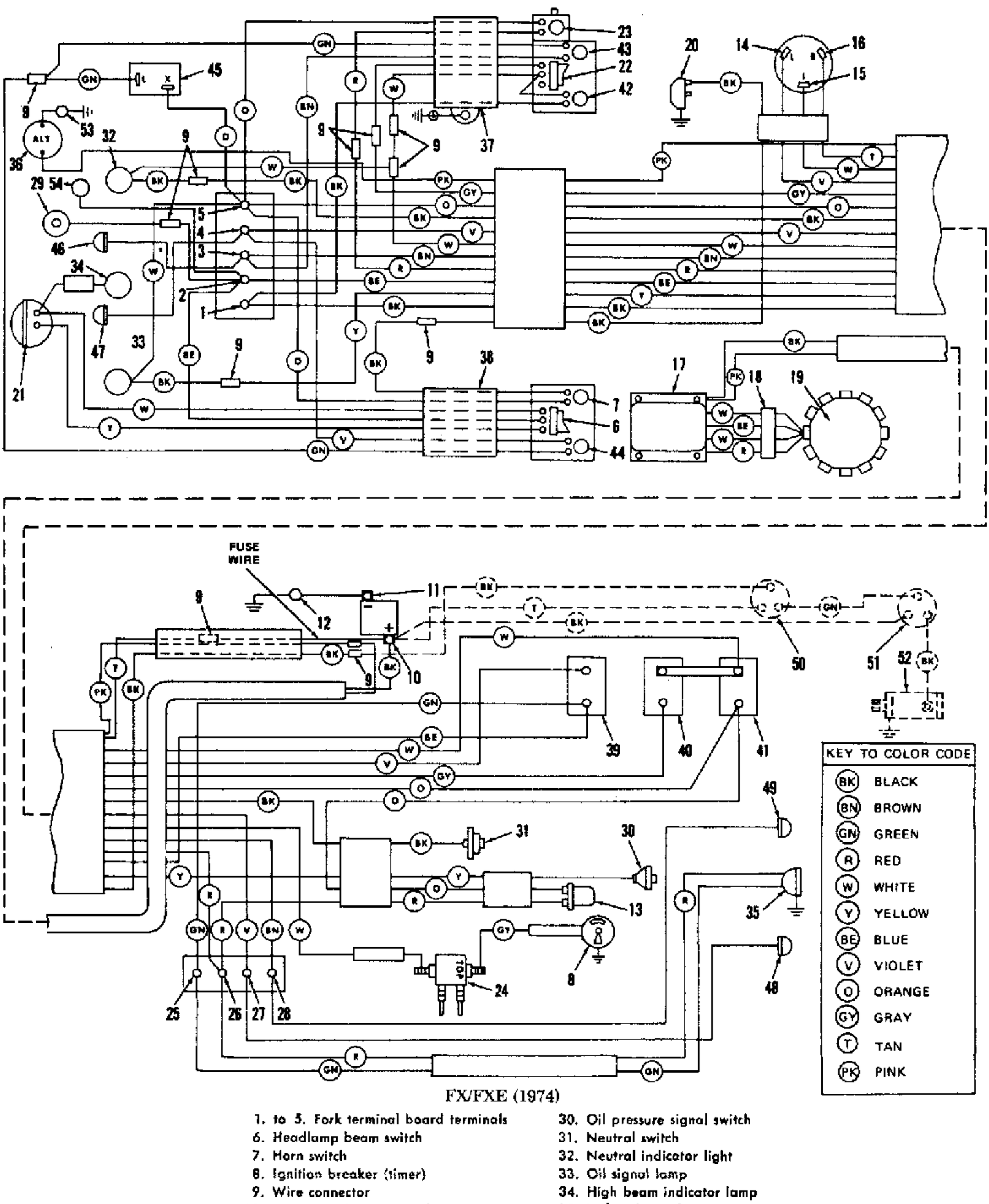
Typical wiring diagram for 1973 through 1978 FL models (1978 FL/FLH shown)





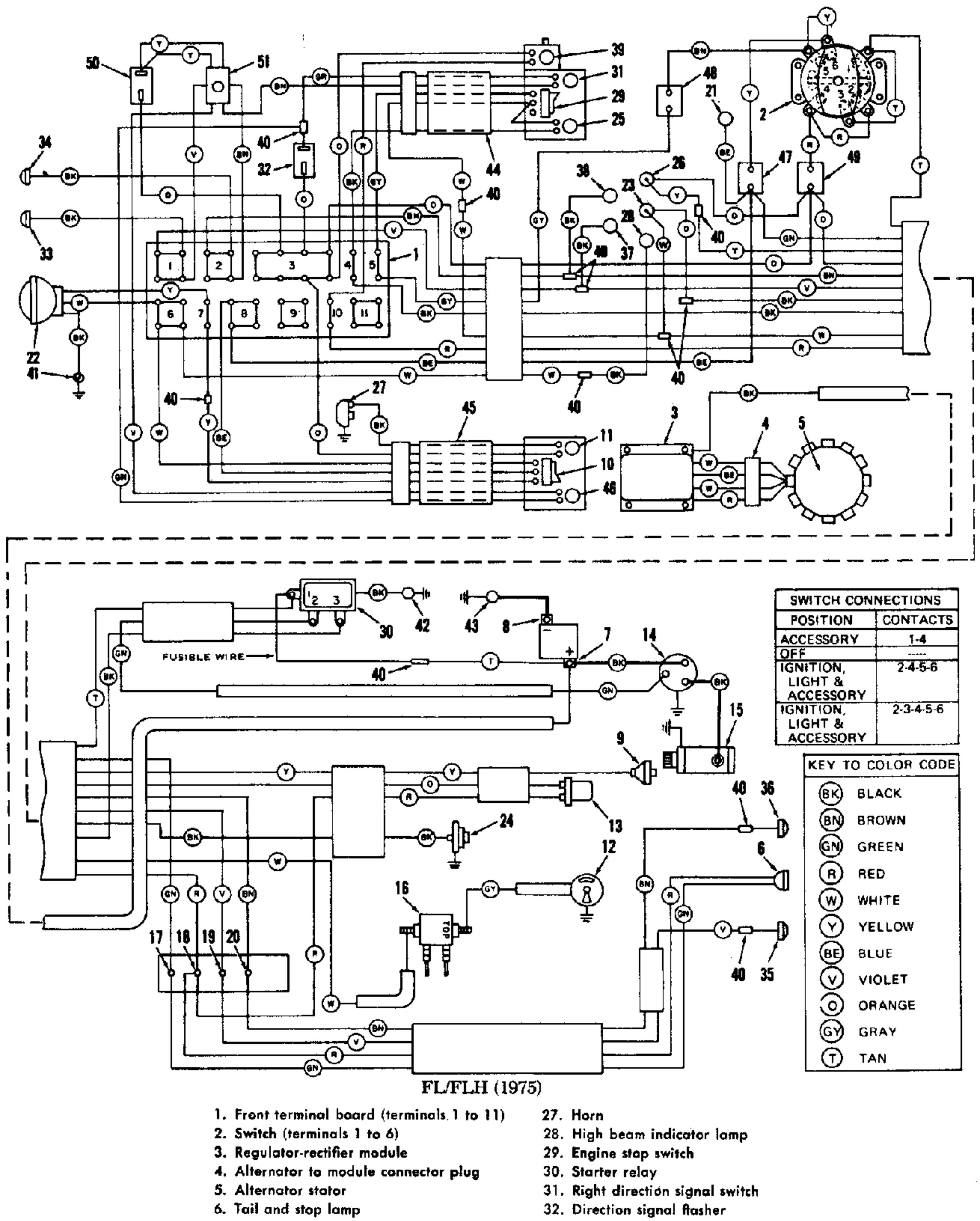
1. to 5. Fork terminal board terminals
6. Headlamp beam switch
7. Horn switch
8. Ignition breaker (timer)
9. Wire connector
10. Battery positive terminal
11. Battery negative terminal
12. Frame lug bolt
13. Stop lamp switch—rear
14. Switch "L" lights terminal
15. Switch "I" ignition terminal
16. Switch "B" battery terminal
17. Regulator—rectifier module
18. Alternator to module connector plug
19. Alternator stator
20. Horn
21. Headlamp
22. Engine stop switch
23. Stop lamp switch—front
24. Ignition coil
25. Rear terminal board terminal—top
26. Rear terminal board terminal
27. Rear terminal board terminal
28. Rear terminal board terminal-bottom
29. Speedometer light
30. Oil pressure signal switch
31. Neutral switch
32. Neutral indicator light
33. Oil signal lamp
34. High beam indicator lamp
35. Tail and stop lamp
36. License lamp
37. Right handlebar
38. Left handlebar
39. Lighting circuit breaker
40. Ignition circuit breaker
41. Accessories circuit breaker
42. Switch

FX (1973)



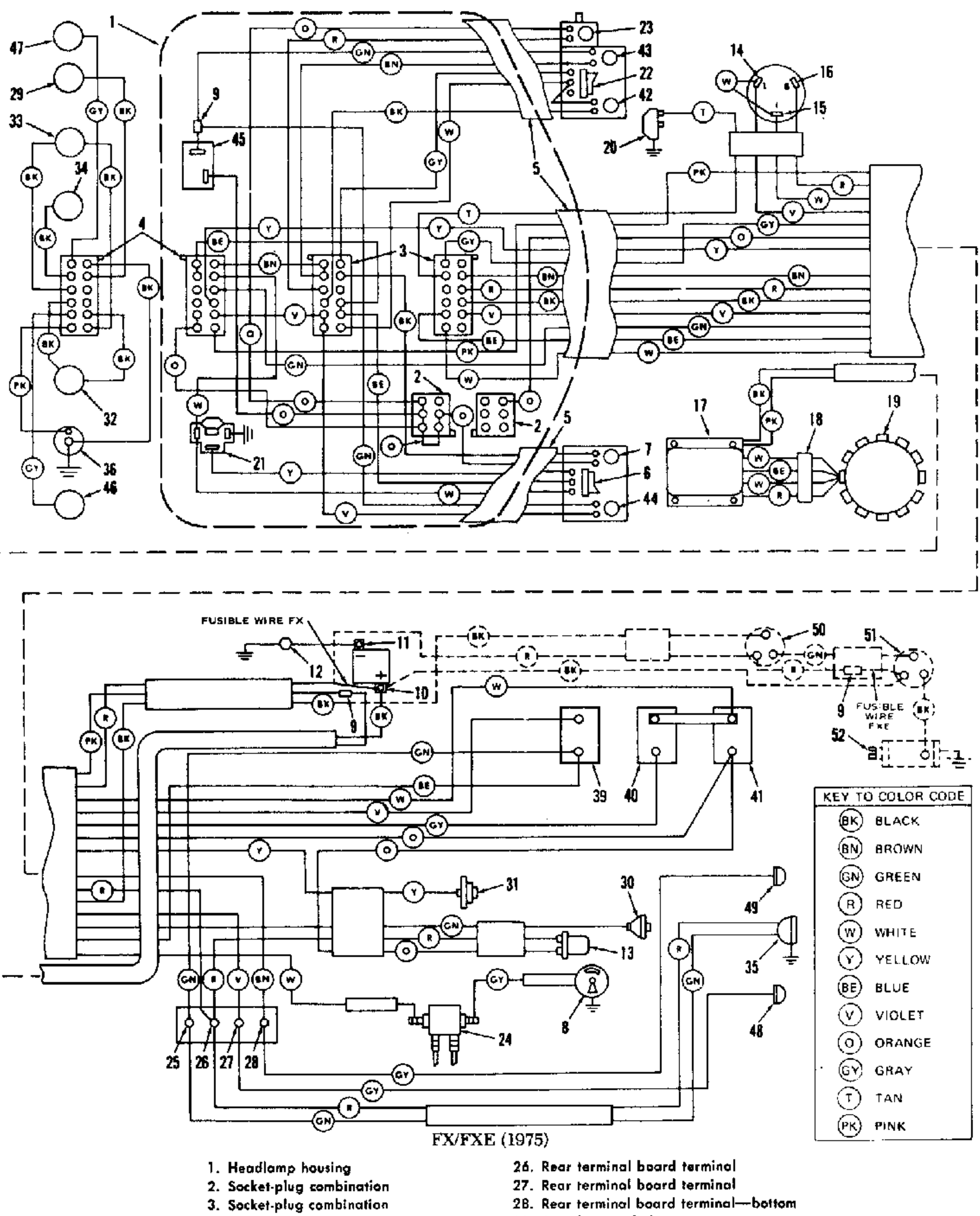
FX/FXE (1974)

1. to 5. Fork terminal board terminals
6. Headlamp beam switch
7. Horn switch
8. Ignition breaker (timer)
9. Wire connector
10. Battery positive terminal
11. Battery negative terminal
12. Frame lug bolt
13. Stop lamp switch—rear
14. Switch "L" lights terminal
15. Switch "I" ignition terminal
16. Switch "B" battery terminal
17. Regulator—recifier module
18. Alternator to module connector plug
19. Alternator stator
20. Horn
21. Headlamp
22. Engine stop switch
23. Stop lamp switch—front
24. Ignition coil
25. Rear terminal board terminal—top
26. Rear terminal board terminal
27. Rear terminal board terminal
28. Rear terminal board terminal—bottom
29. Speedometer light
30. Oil pressure signal switch
31. Neutral switch
32. Neutral indicator light
33. Oil signal lamp
34. High beam indicator lamp
35. Tail and stop lamp
36. Tachometer
37. Right handlebar
38. Left handlebar
39. Lighting circuit breaker
40. Ignition circuit breaker
41. Accessories circuit breaker
42. Switch
43. Right direction signal switch
44. Left direction signal switch
45. Direction signal flasher
46. Left front direction lamp
47. Right front direction lamp
48. Left rear direction lamp
49. Right rear direction lamp
50. Starter relay (FXE only)
51. Starter solenoid (FXE only)
52. Starter motor (FXE only)
53. Handlebar pinch bolt
54. Tachometer light



FL/FLH (1975)

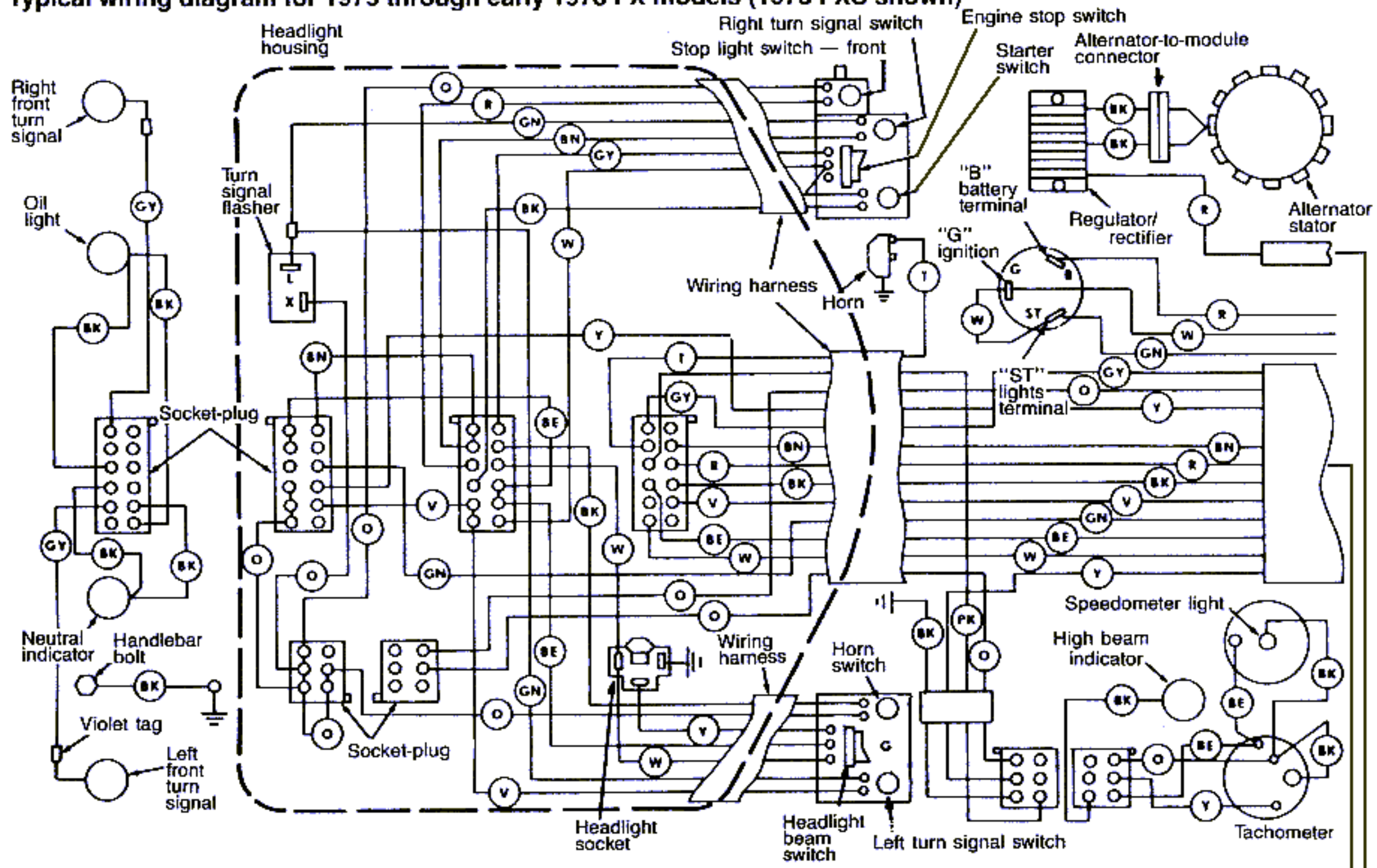
1. Front terminal board (terminals 1 to 11)
2. Switch (terminals 1 to 6)
3. Regulator-rectifier module
4. Alternator to module connector plug
5. Alternator stator
6. Tail and stop lamp
7. Battery positive terminal
8. Battery negative terminal
9. Oil pressure signal switch
10. Headlamp beam switch
11. Horn switch
12. Ignition breaker (timer)
13. Stop lamp switch—rear
14. Starter solenoid
15. Starter motor
16. Ignition coil
17. Rear terminal board terminal—top
18. Rear terminal board terminal
19. Rear terminal board terminal
20. Rear terminal board terminal—bottom
21. Speedometer light
22. Headlamp
23. Neutral indicator light
24. Neutral switch
25. Starter button
26. Oil signal light
27. Horn
28. High beam indicator lamp
29. Engine stop switch
30. Starter relay
31. Right direction signal switch
32. Direction signal flasher
33. Left front direction lamp
34. Right front direction lamp
35. Left rear direction lamp
36. Right rear direction lamp
37. Left direction signal pilot lamp
38. Right direction signal pilot lamp
39. Stop lamp switch—front
40. Connector
41. Terminal board mounting screw
42. Transmission stud
43. Frame lug bolt
44. Right handlebar
45. Left handlebar
46. Left direction signal switch
47. Lighting circuit breaker
48. Ignition circuit breaker
49. Accessories circuit breaker
50. Emergeny flasher
51. Emergency flasher switch

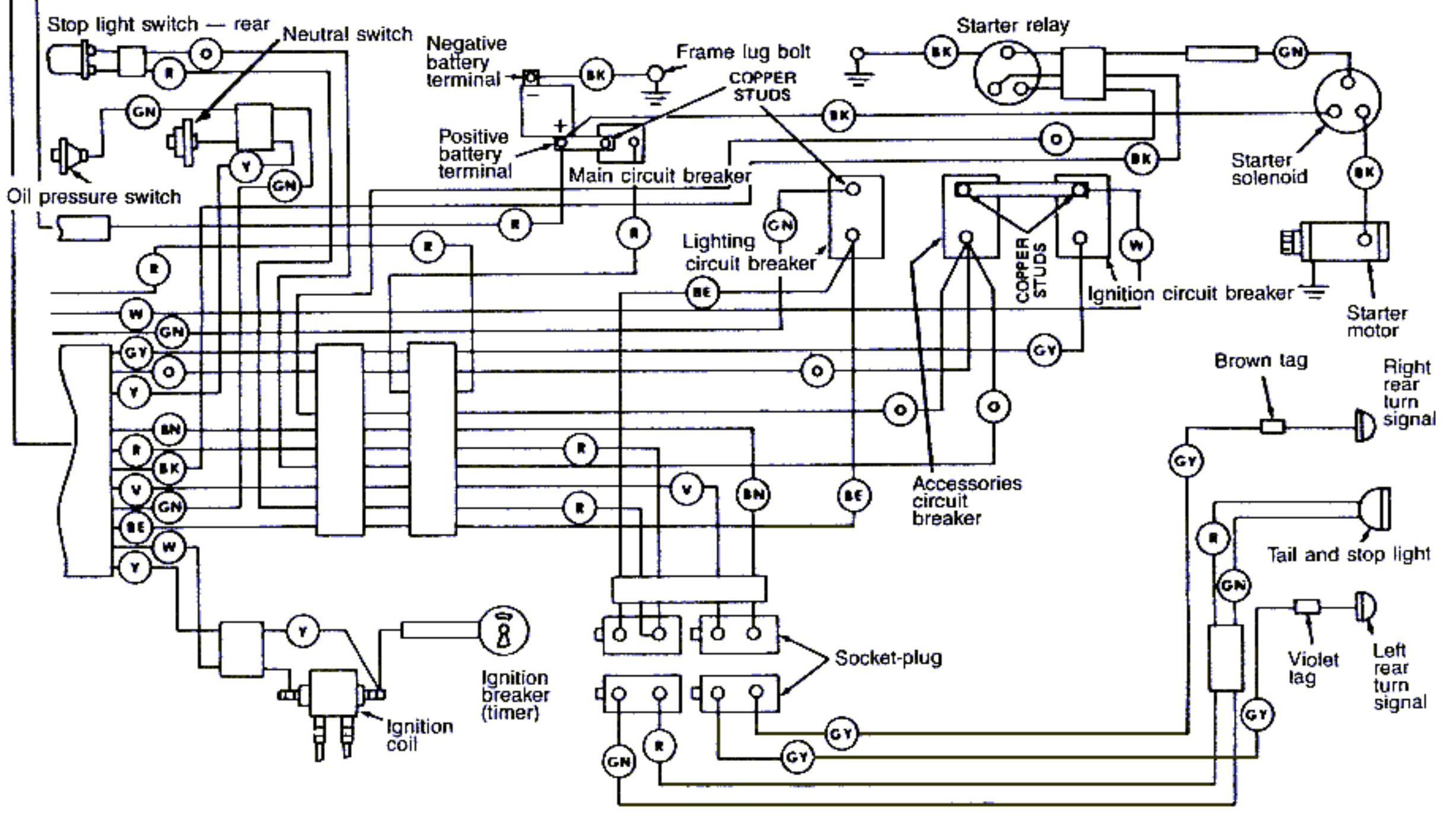


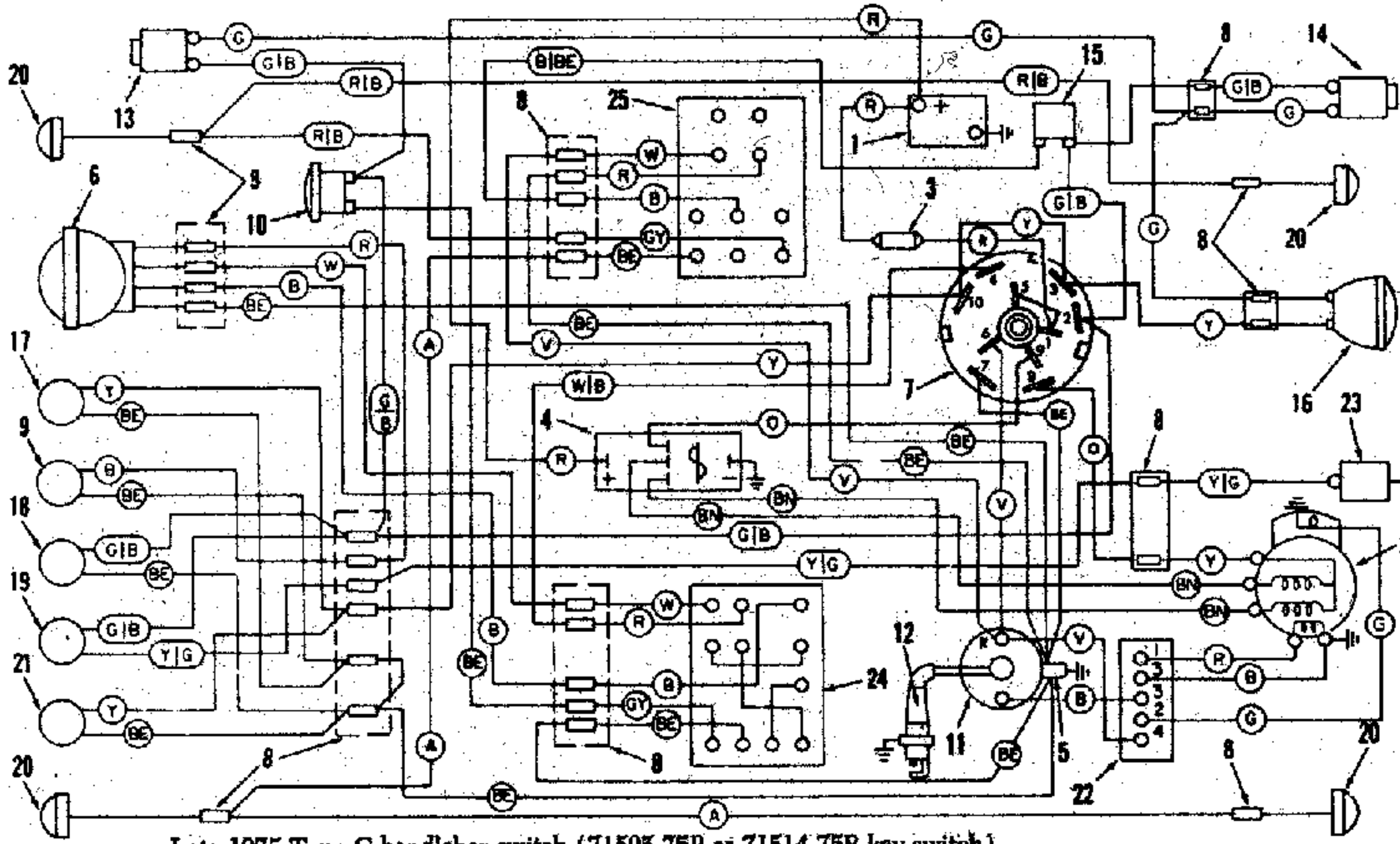
FX/FXE (1975)

1. Headlamp housing
2. Socket-plug combination
3. Socket-plug combination
4. Socket-plug combination
5. Wiring harness
6. Headlamp beam switch
7. Horn switch
8. Ignition breaker (timer)
9. Wire connector
10. Battery positive terminal
11. Battery negative terminal
12. Frame lug bolt
13. Stop lamp switch—rear
14. Switch "L" lights terminal
15. Switch "I" ignition terminal
16. Switch "B" battery terminal
17. Regulator-rectifier module
18. Alternator to module connector plug
19. Alternator stator
20. Horn
21. Headlamp socket
22. Engine stop switch
23. Stop lamp switch—front
24. Ignition coil
25. Rear terminal board terminal—top
26. Rear terminal board terminal
27. Rear terminal board terminal
28. Rear terminal board terminal—bottom
29. Speedometer light
30. Oil pressure signal switch
31. Neutral switch
32. Neutral indicator light
33. Oil signal lamp
34. High beam indicator lamp
35. Tail and stop lamp
36. Tachometer
39. Lighting circuit breaker
40. Ignition circuit breaker
41. Accessories circuit breaker
42. Starter switch
43. Right direction signal switch
44. Left direction signal switch
45. Direction signal flasher
46. Left front direction lamp
47. Right front direction lamp
48. Left rear direction lamp
49. Right rear direction lamp
50. Starter relay (FXE only)
51. Starter solenoid (FXE only)
52. Starter motor (FXE only)

Typical wiring diagram for 1975 through early 1978 FX models (1978 FXS shown)







Late 1975 Type C handlebar switch (71505-75P or 71514-75P key switch)

1. Battery
2. Alternator
3. Fuse (15 amp.)
4. Rectifier
5. Frame bolt
6. Headlamp
7. Ignition-light key switch
8. Connector
9. High beam indicator lamp
10. Horn
11. Ignition coil
12. Spark plug
13. Stoplamp front switch
14. Stoplamp rear switch
15. Flasher
16. Tail lamp
17. Speedometer lamp
18. Ignition indicator lamp
19. Neutral indicator lamp
20. Direction signal lamp
21. Tachometer lamp
22. Ignition module
23. Neutral indicator switch
24. Left handlebar switch
25. Right handlebar switch

SWITCH CONNECTIONS	
POSITION	CONTACTS
ACCESSORY	1-4
OFF	-----
IGNITION, LIGHT & ACCESSORY	2-4-5-6
IGNITION, LIGHT & ACCESSORY	2-3-4-5-6

KEY TO COLOR CODE

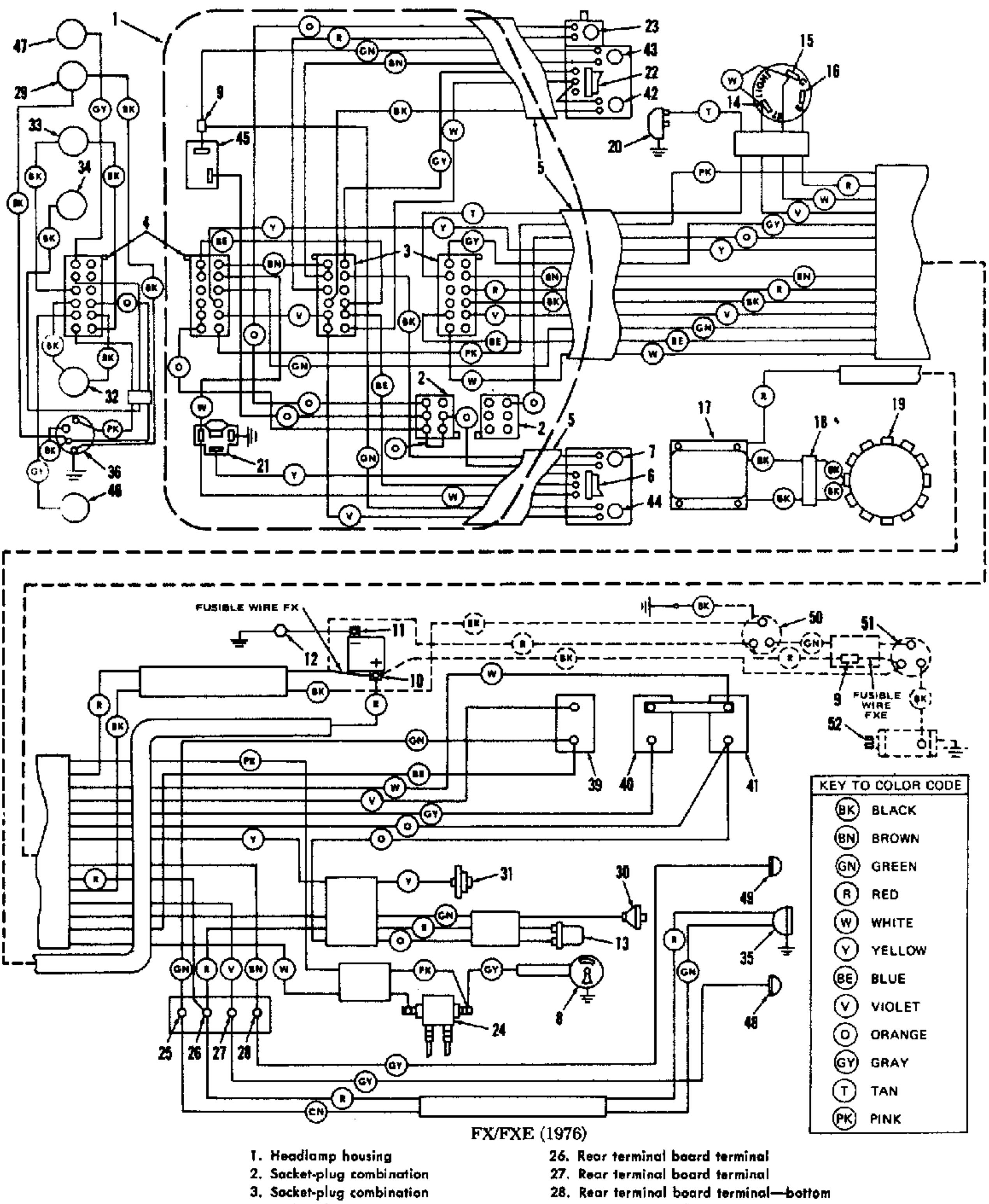
- BK BLACK
- BN BROWN
- GN GREEN
- R RED
- W WHITE
- Y YELLOW
- BE BLUE
- V VIOLET
- O ORANGE
- GY GRAY
- T TAN

FUSIBLE WIRE

TOP

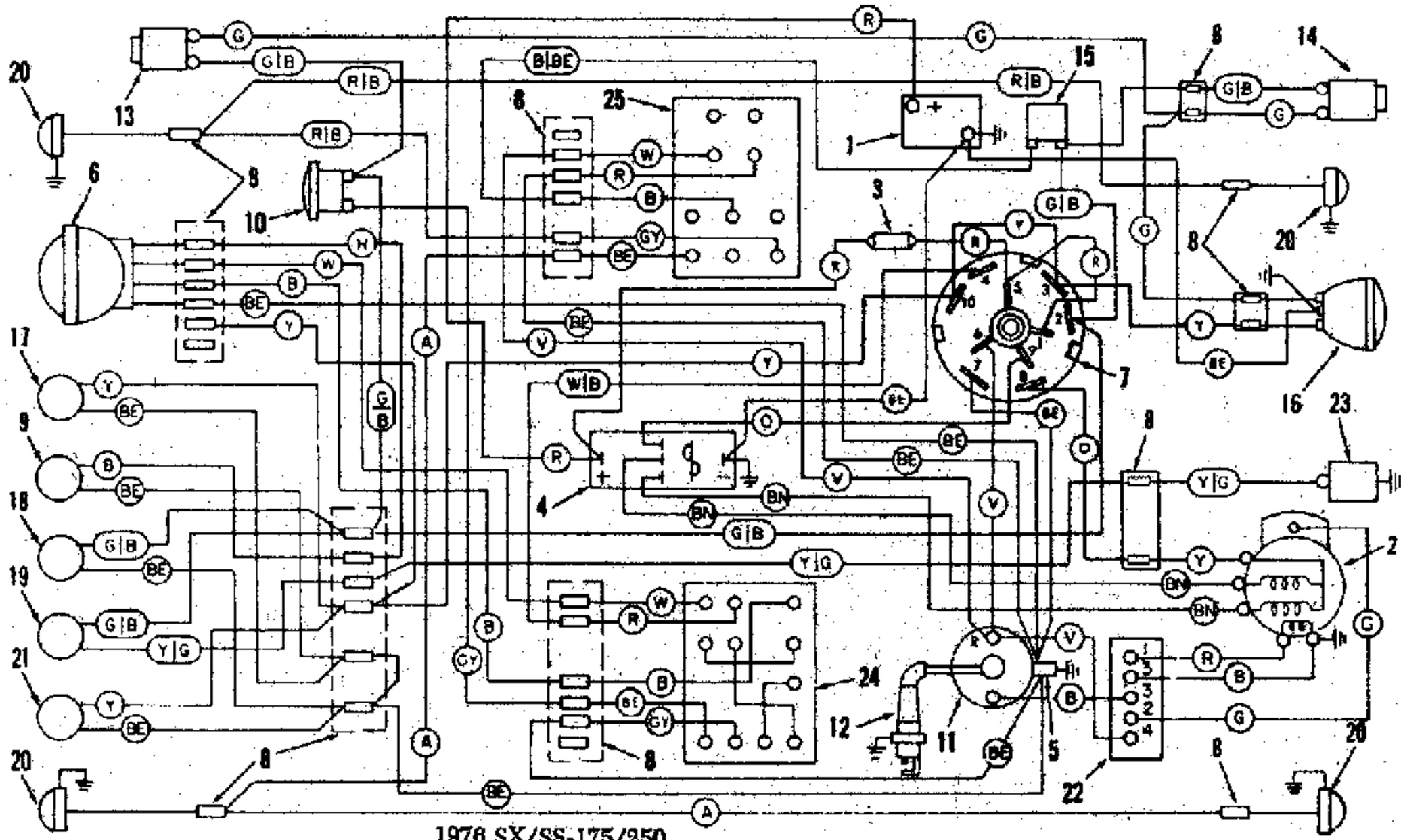
FL/FLH (1976)

1. Front terminal board (terminals 1 to 11)
2. Switch (terminals 1 to 6)
3. Regulator-rectifier module
4. Alternator to module connector plug
5. Alternator stator
6. Tail and stop lamp
7. Battery positive terminal
8. Battery negative terminal
9. Oil pressure signal switch
10. Headlamp beam switch
11. Horn switch
12. Ignition breaker (timer)
13. Stop lamp switch—rear
14. Starter solenoid
15. Starter motor
16. Ignition coil
17. Rear terminal board terminal—top
18. Rear terminal board terminal
19. Rear terminal board terminal
20. Rear terminal board terminal—bottom
21. Speedometer light
22. Headlamp
23. Neutral indicator light
24. Neutral switch
25. Starter button
26. Oil signal light
27. Horn
28. High beam indicator lamp
29. Engine stop switch
30. Starter relay
31. Right direction signal switch
32. Direction signal flasher
33. Left front direction lamp
34. Right front direction lamp
35. Left rear direction lamp
36. Right rear direction lamp
37. Left direction signal pilot lamp
38. Right direction signal pilot lamp
39. Stop lamp switch—front
40. Connector
41. Terminal board mounting screw
42. Transmission stud
43. Frame lug bolt
44. Right handlebar
45. Left handlebar
46. Left direction signal switch
47. Lighting circuit breaker
48. Ignition circuit breaker
49. Accessories circuit breaker
50. Emergeny flasher
51. Emergency flasher switch



FX/FXE (1976)

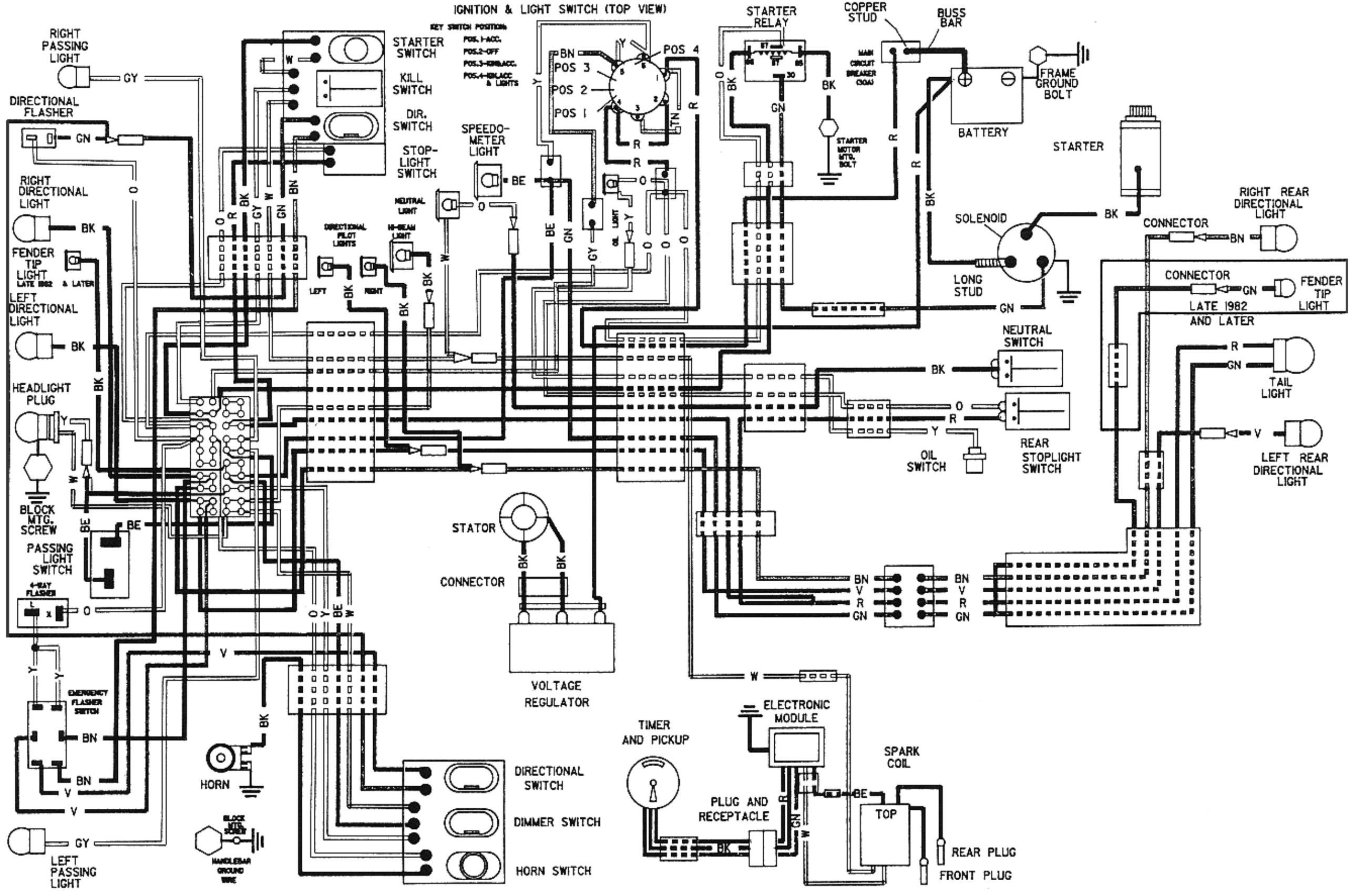
1. Headlamp housing
2. Socket-plug combination
3. Socket-plug combination
4. Socket-plug combination
5. Wiring harness
6. Headlamp beam switch
7. Horn switch
8. Ignition breaker (timer)
9. Wire connector
10. Battery positive terminal
11. Battery negative terminal
12. Frame lug bolt
13. Stop lamp switch—rear
14. Switch "ST" lights terminal
15. Switch "G" ignition terminal
16. Switch "B" battery terminal
17. Regulator-rectifier module
18. Alternator to module connector plug
19. Alternator stator
20. Horn
21. Headlamp socket
22. Engine stop switch
23. Stop lamp switch—front
24. Ignition coil
25. Rear terminal board terminal—top
26. Rear terminal board terminal
27. Rear terminal board terminal
28. Rear terminal board terminal—bottom
29. Speedometer light
30. Oil pressure signal switch
31. Neutral switch
32. Neutral indicator light
33. Oil signal lamp
34. High beam indicator lamp
35. Tail and stop lamp
36. Tachometer
39. Lighting circuit breaker
40. Ignition circuit breaker
41. Accessories circuit breaker
42. Starter switch
43. Right direction signal switch
44. Left direction signal switch
45. Direction signal flasher
46. Left front direction lamp
47. Right front direction lamp
48. Left rear direction lamp
49. Right rear direction lamp
50. Starter relay (FXE only)
51. Starter solenoid (FXE only)
52. Starter motor (FXE only)



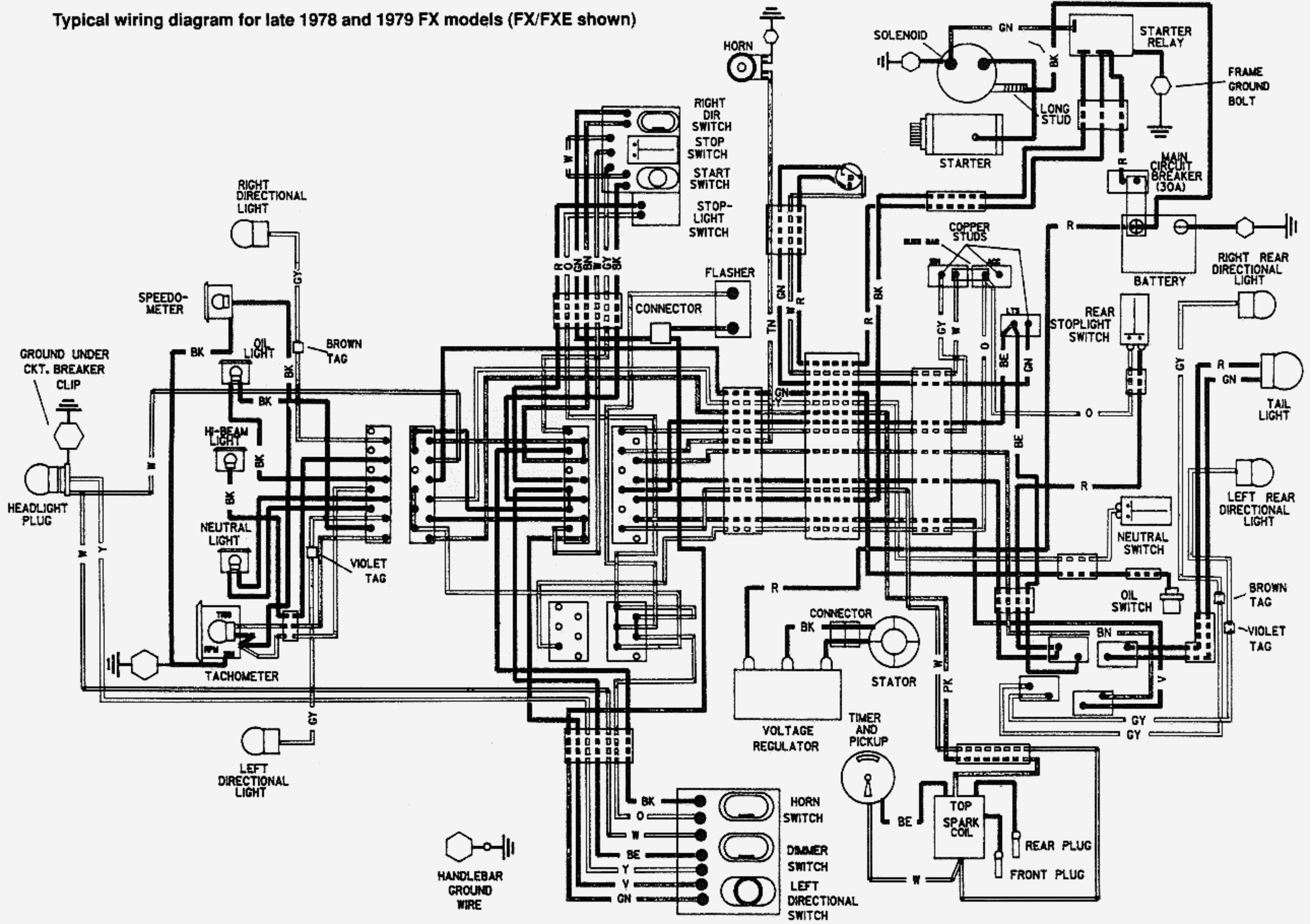
1976 SX/SS-175/250

1. Battery
2. Alternator
3. Fuse (15 amp.)
4. Rectifier
5. Frame bolt
6. Headlamp
7. Ignition-light key switch
8. Connector
9. High beam indicator lamp
10. Horn
11. Ignition coil
12. Spark plug
13. Stoplamp front switch
14. Stoplamp rear switch
15. Flasher
16. Tail lamp
17. Speedometer lamp
18. Ignition indicator lamp
19. Neutral indicator lamp
20. Direction signal lamp
21. Tachometer lamp
22. Ignition module
23. Neutral indicator switch
24. Left handlebar switch
25. Right handlebar switch

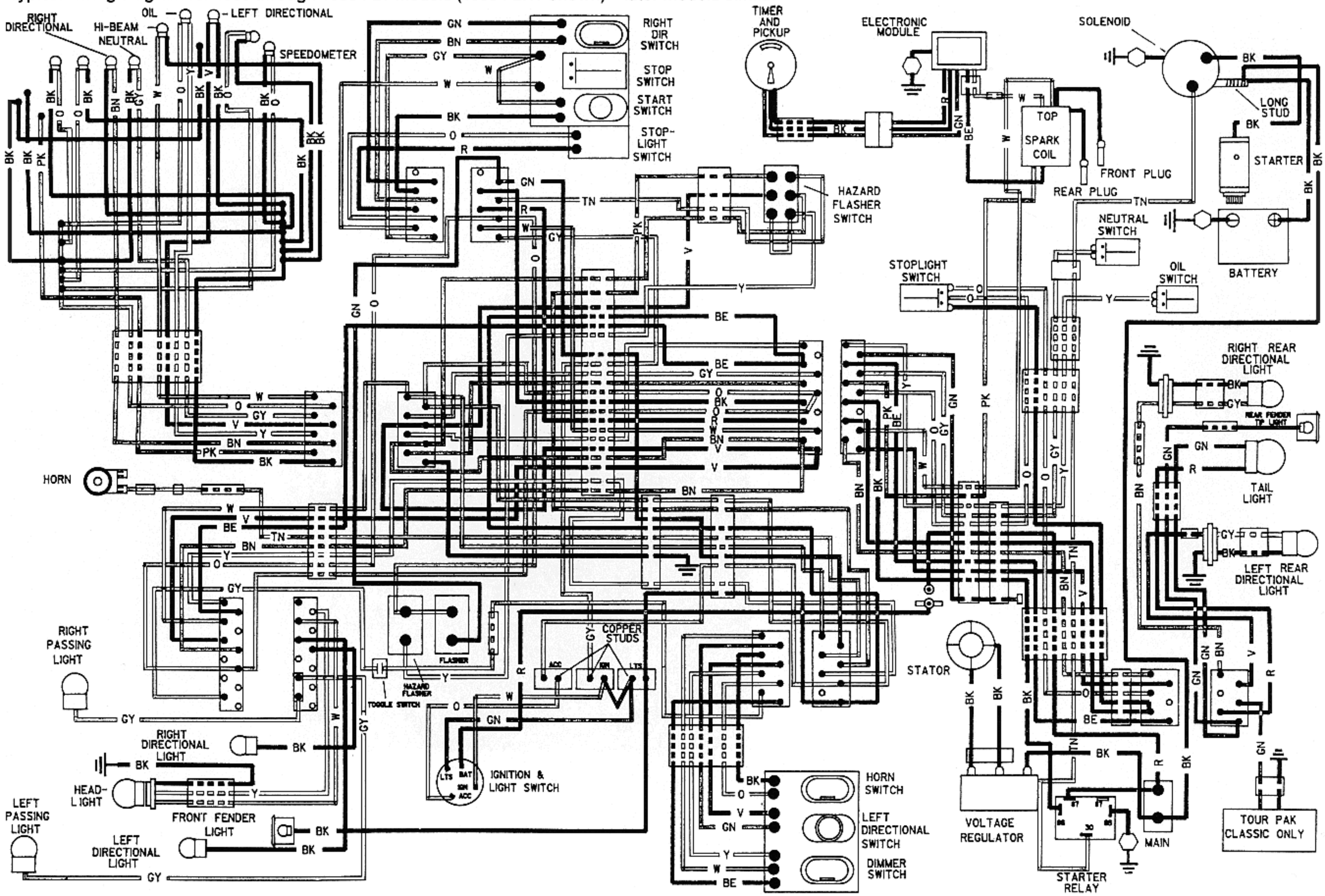
Typical wiring diagram for late 1978 through 1983 FL models (1980 through 1983 FL/FLH shown) – later models similar



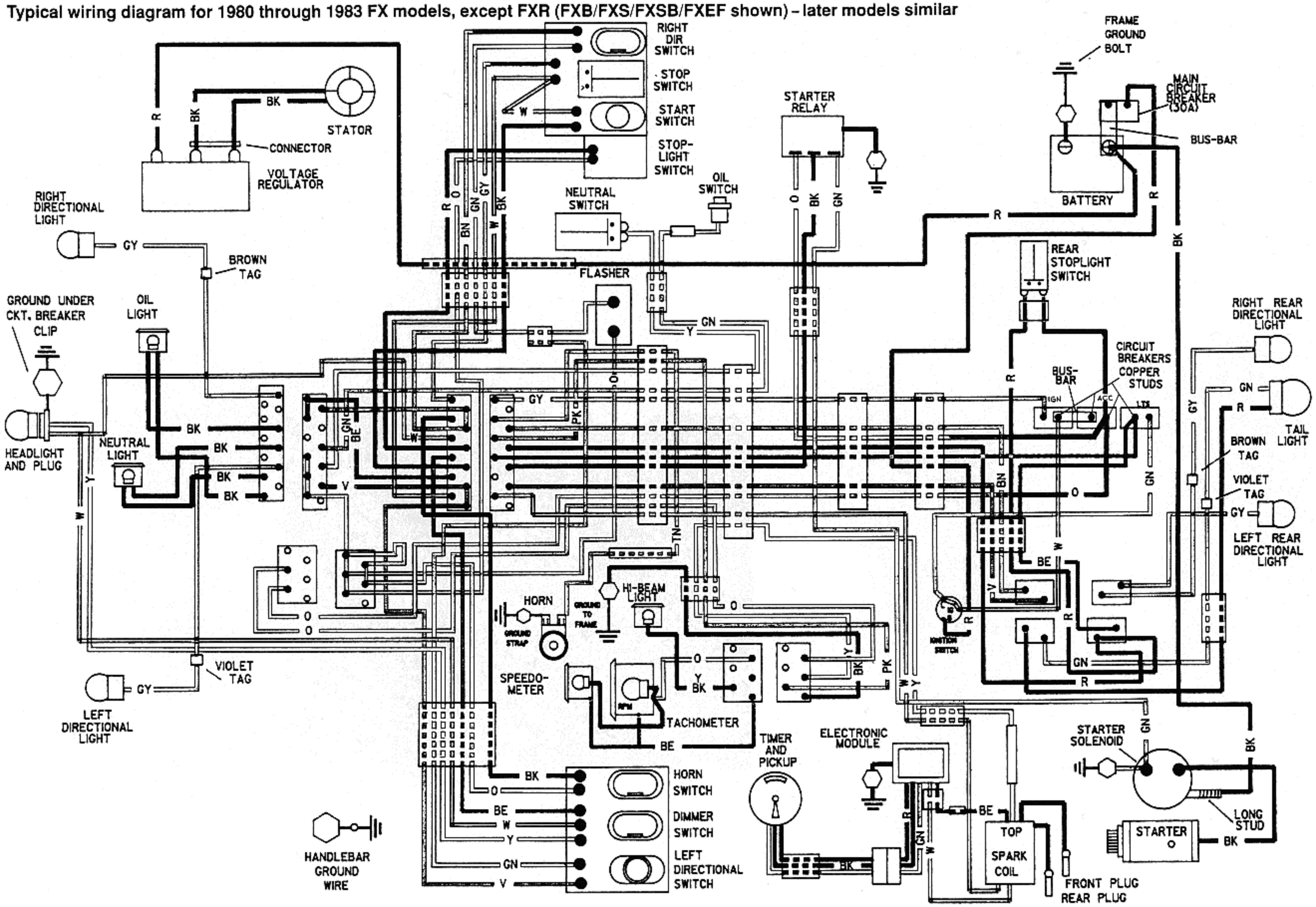
Typical wiring diagram for late 1978 and 1979 FX models (FX/FXE shown)



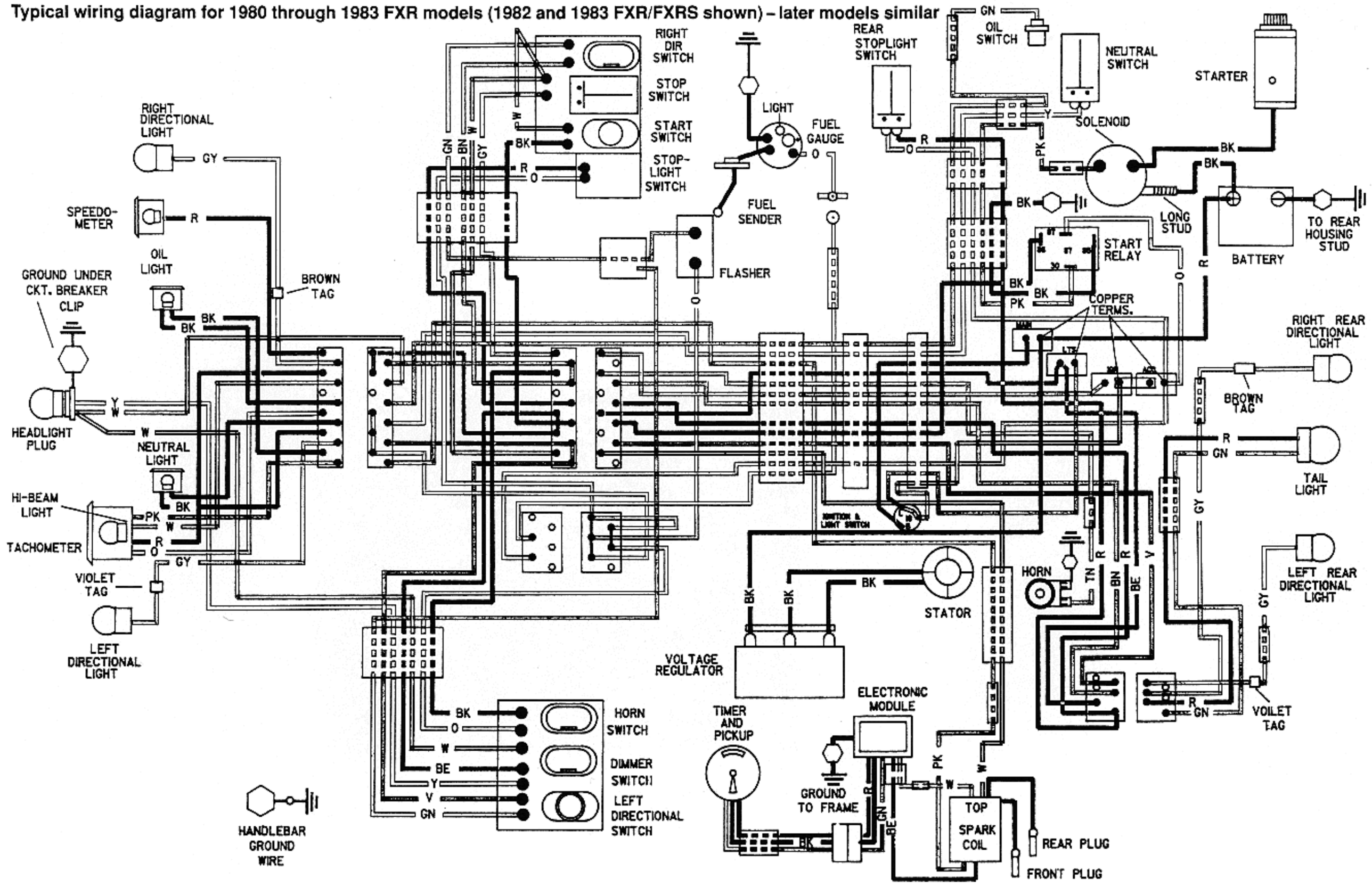
Typical wiring diagram for 1980 through 1983 FLT models (1983 FLHT shown) – later models similar



Typical wiring diagram for 1980 through 1983 FX models, except FXR (FXB/FXS/FXSB/FXEF shown) – later models similar



Typical wiring diagram for 1980 through 1983 FXR models (1982 and 1983 FXR/FXRS shown) – later models similar



Component key for FLHS and FLSTC wiring diagrams for diagrams on pages 212 and 213

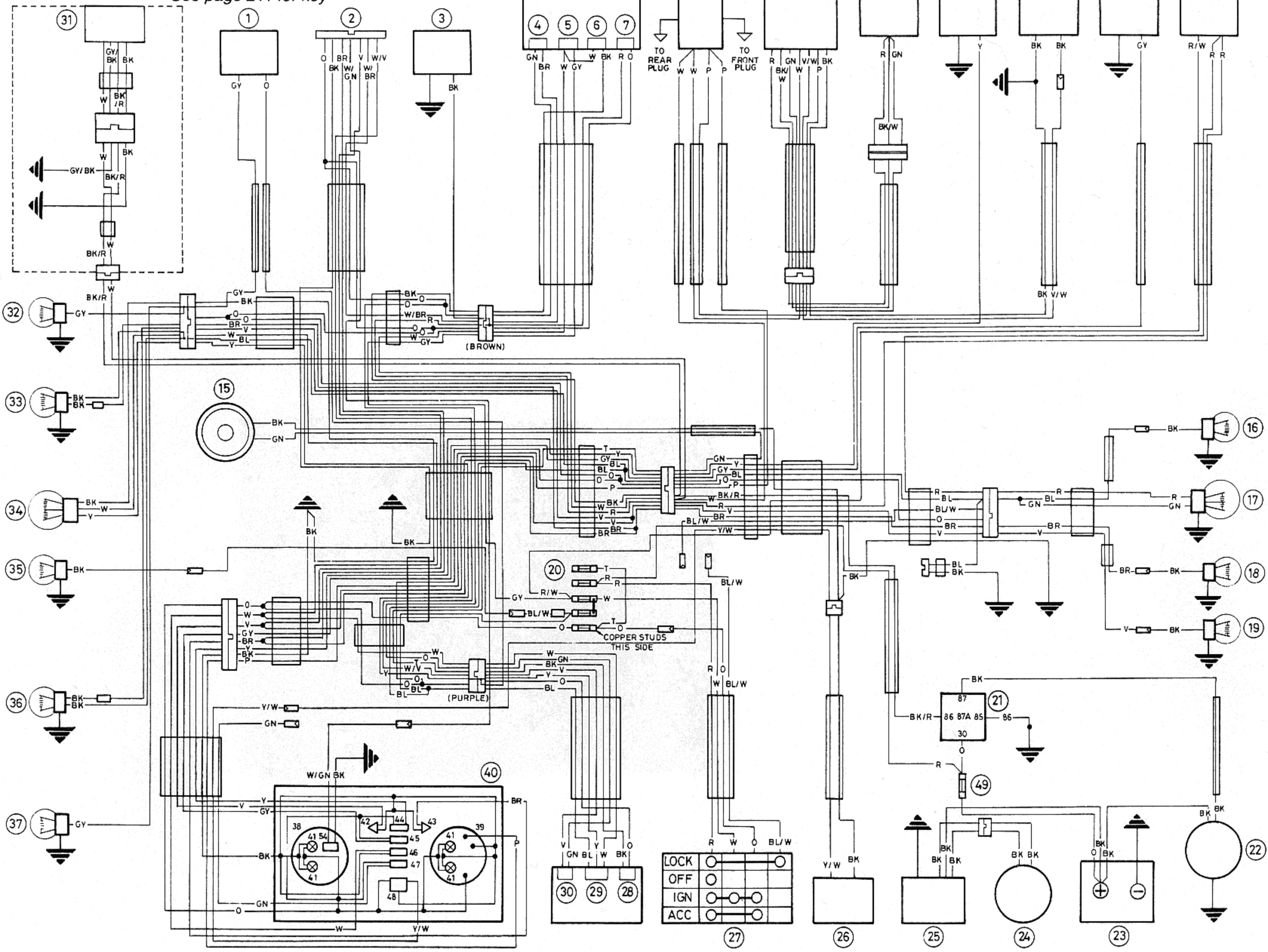
1 Passing lights switch
2 Connection to turn signal cancel unit (later models)
3 Anti-dive solenoid
4 Right turn signal switch
5 Engine stop switch
6 Start switch
7 Front brake stop switch
8 Ignition coil
9 Ignition module
10 Ignition sensor
11 Oil pressure switch
12 Vacuum operated electric switch
13 Neutral switch
14 Rear brake stop switch
15 Horn
16 Rear fender/mudguard tip light
17 Stop/tail light
18 Rear right turn signal
18 Rear left turn signal
20 Fuses
21 Starter relay
22 Starter motor
23 Battery
24 Alternator
25 Voltage regulator
26 Fuel gauge sender
27 Ignition/light switch
28 Horn switch
29 Headlight dimmer switch
30 Left turn signal switch
31 Emission control solenoid (later California models only)
32 Right passing light
33 Front right turn signal
34 Headlight
35 Front fender/mudguard tip light
36 Front left turn signal
37 Left passing light
38 Speedometer
39 Tachometer
40 Instrument cluster front view
41 Instrument illumination
42 Left turn signal indicator light
43 Right turn signal indicator light
44 Oil pressure warning light
45 Neutral indicator light
46 High beam indicator light
47 Cruise indicator light
48 Fuel gauge
49 Main fuse
50 Ignition/light switch top view
51 Turn signal cancel unit (later models)
52 Handlebar ground/earth wire
53 To frame ground/earth tab
54 Reed switch

Color key

BL	Blue	P	Pink
BK	Black	R	Red
BR	Brown	T	Tan
GN	Green	V	Violet
GY	Gray	W	White
O	Orange	Y	Yellow

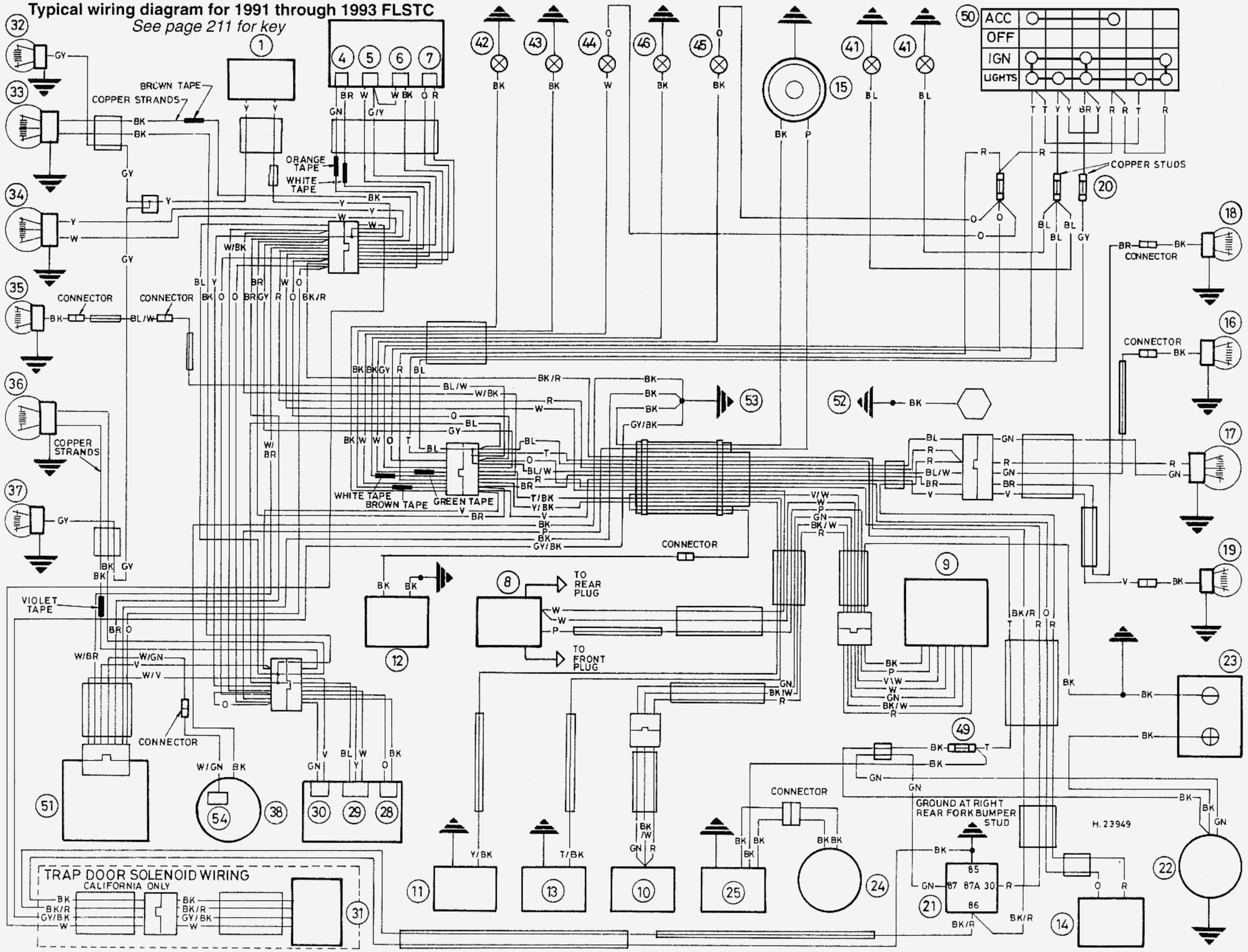
Typical wiring diagram for 1988 through 1993 FLHS

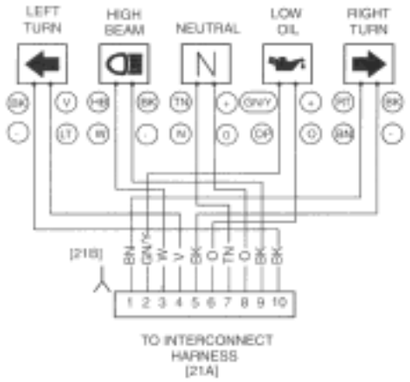
See page 211 for key

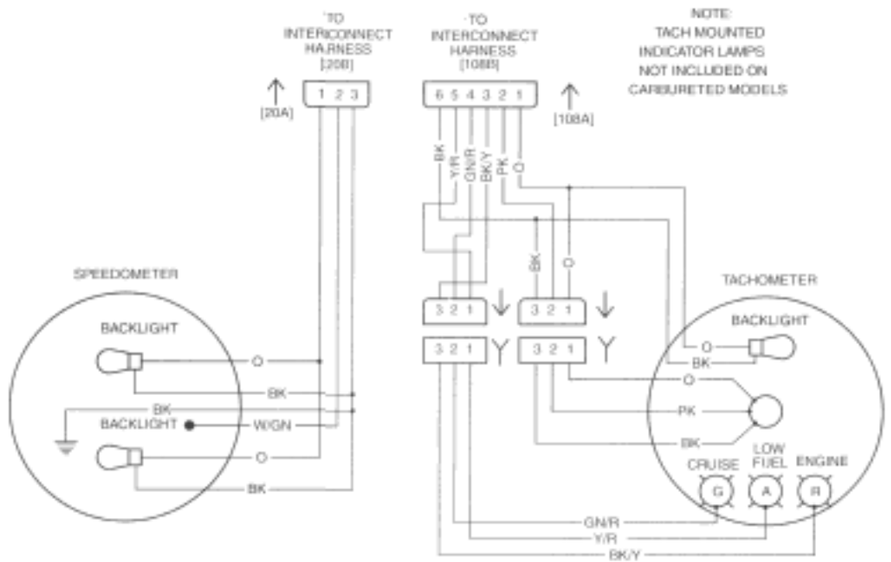


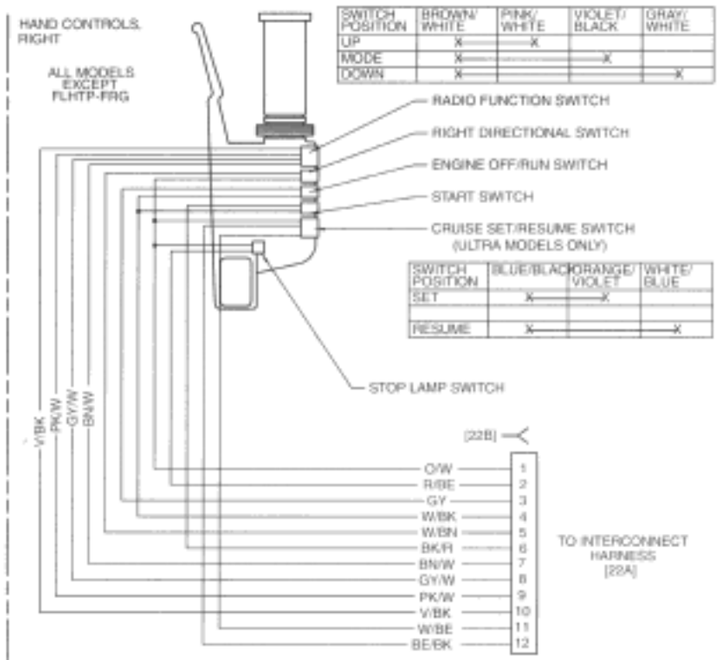
Typical wiring diagram for 1991 through 1993 FLSTC

See page 211 for key



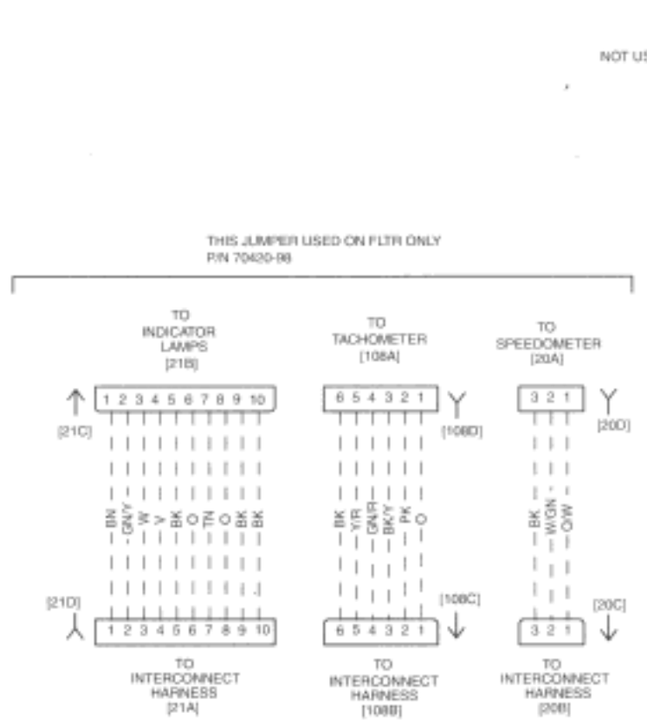


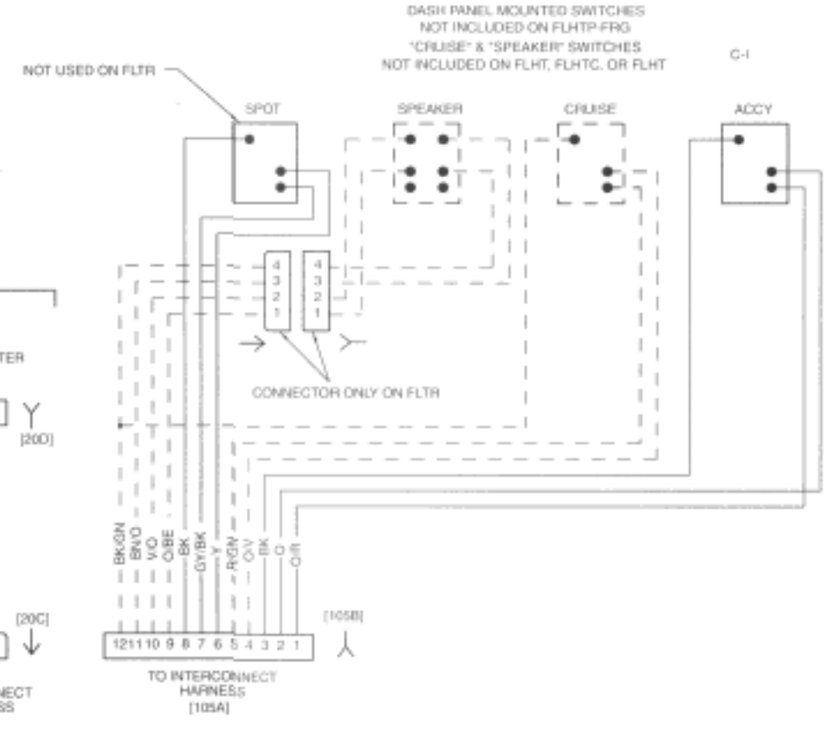


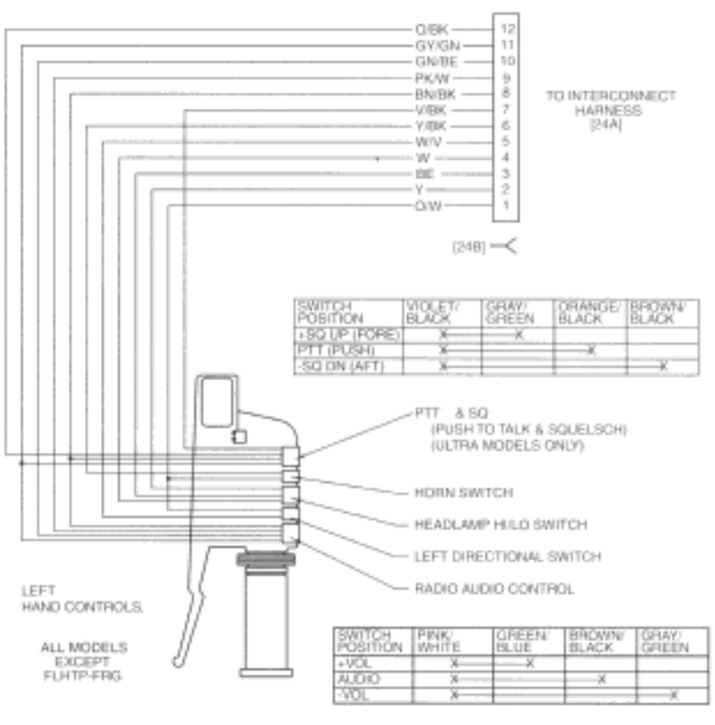


SWITCH POSITION	BROWN/ WHITE	PINK/ WHITE	VIOLET/ BLACK	GRAY/ WHITE
UP	X	X		
MODE	X		X	
DOWN	X			X

SWITCH POSITION	BLUE/BLACK	ORANGE/ VIOLET	WHITE/ BLUE
SET	X	X	
RESUME	X		X



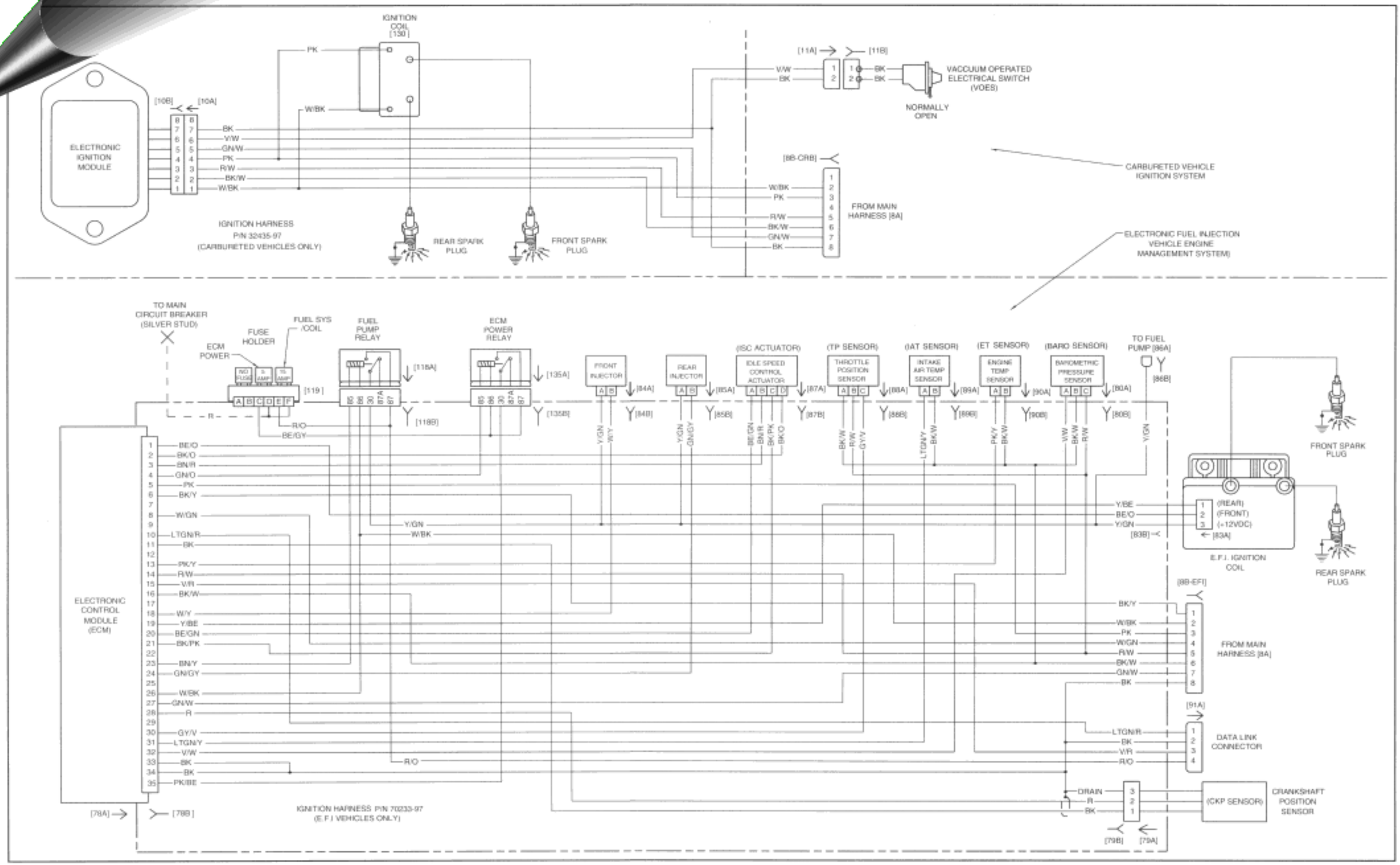




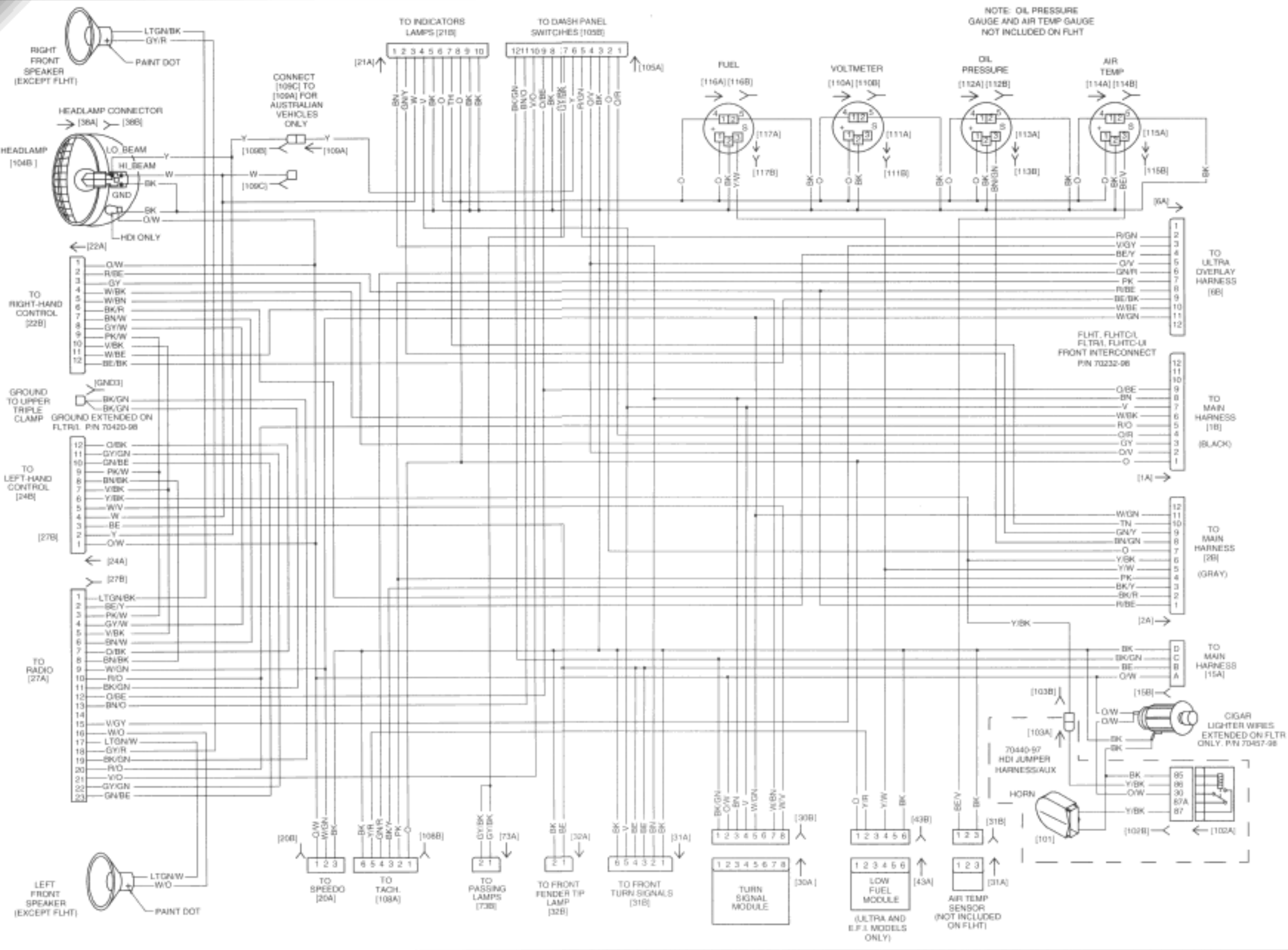
SWITCH POSITION	VIOLET/ BLACK	GRAY/ GREEN	ORANGE/ BLACK	BROWN/ BLACK
+SQ UP (FORE)	X	X		
PTT (PUSH)	X		X	
-SQ DN (AFT)	X			X

SWITCH POSITION	PINK/ WHITE	GREEN/ BLUE	BROWN/ BLACK	GRAY/ GREEN
+VOL	X	X		
AUDIO	X		X	
-VOL	X			X

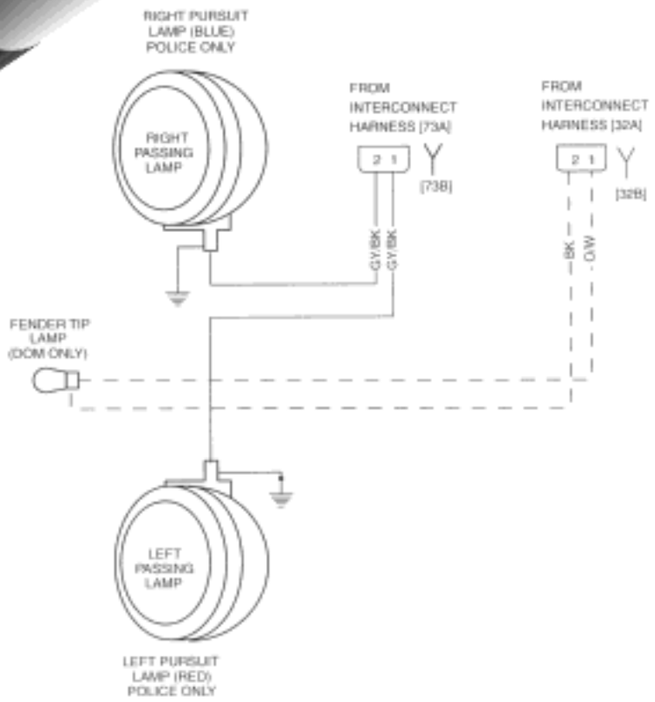
1998 FLHT, FLHTC, FLHTC-I, FLHTC Ultra-I, FLTR and FLTR-I, DOMESTIC and INTERNATIONAL Models, Handlebar Controls, Speedometer, Tachometer and Indicator Lamps

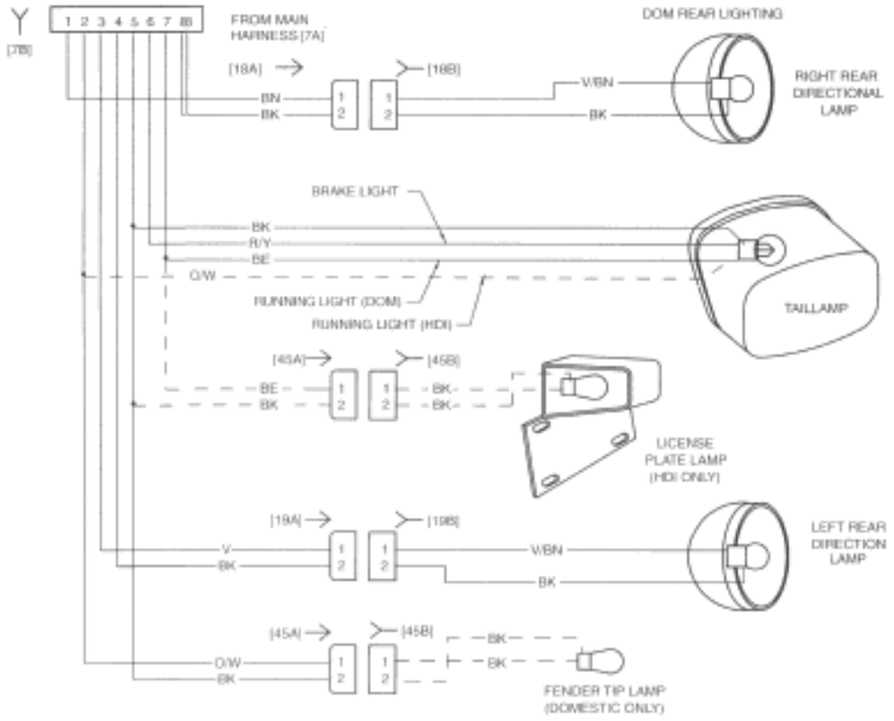


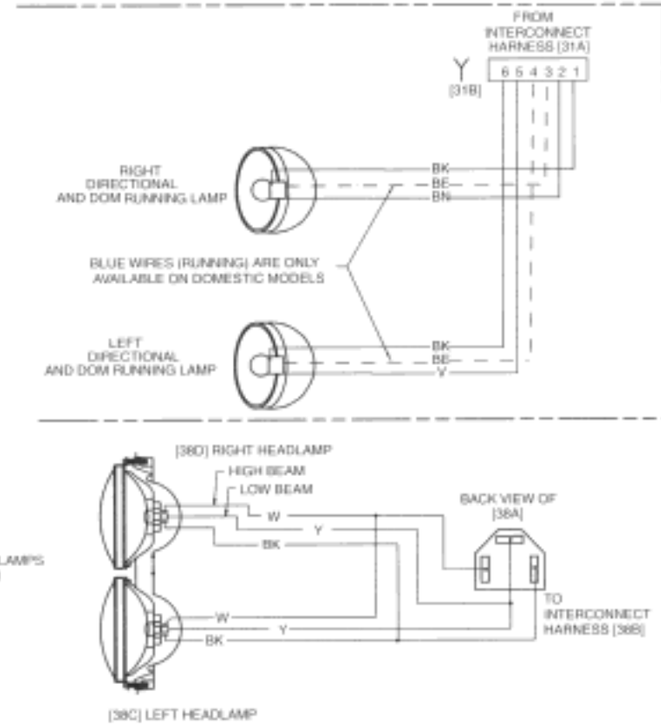
1998 FLHT, FLHTC, FLHTC-I, FLHTC Ultra-I, FLTR and FLTR-I, DOMESTIC and INTERNATIONAL Models, Ignition Harness and Engine Management Circuitry

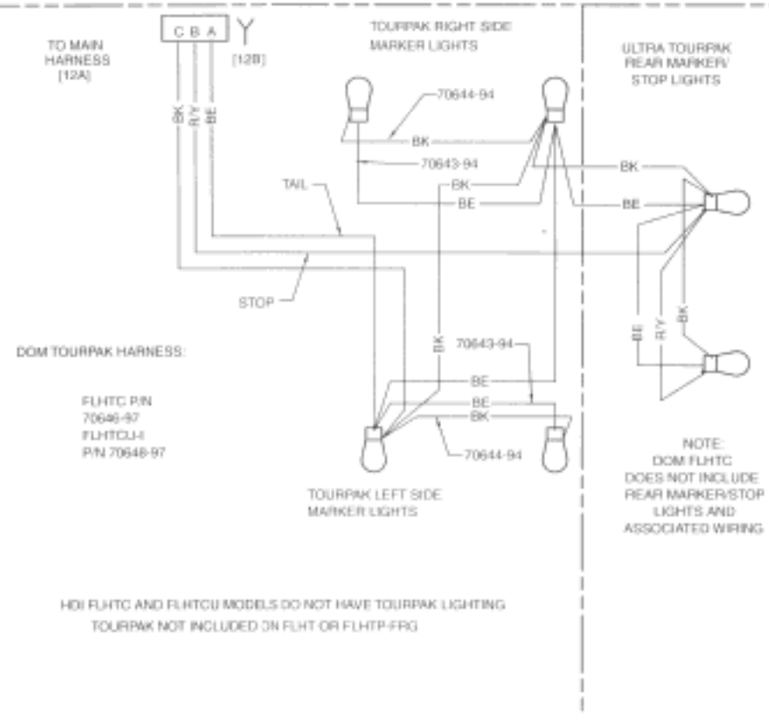


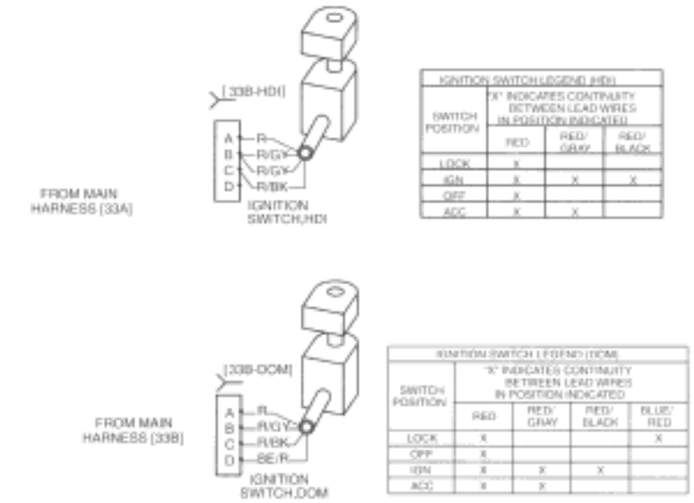
1998 FLHT, FLHTC, FLHTC-I, FLHTC Ultra-I, FLTR and FLTR-I, DOMESTIC and INTERNATIONAL Models, Interconnect Harness



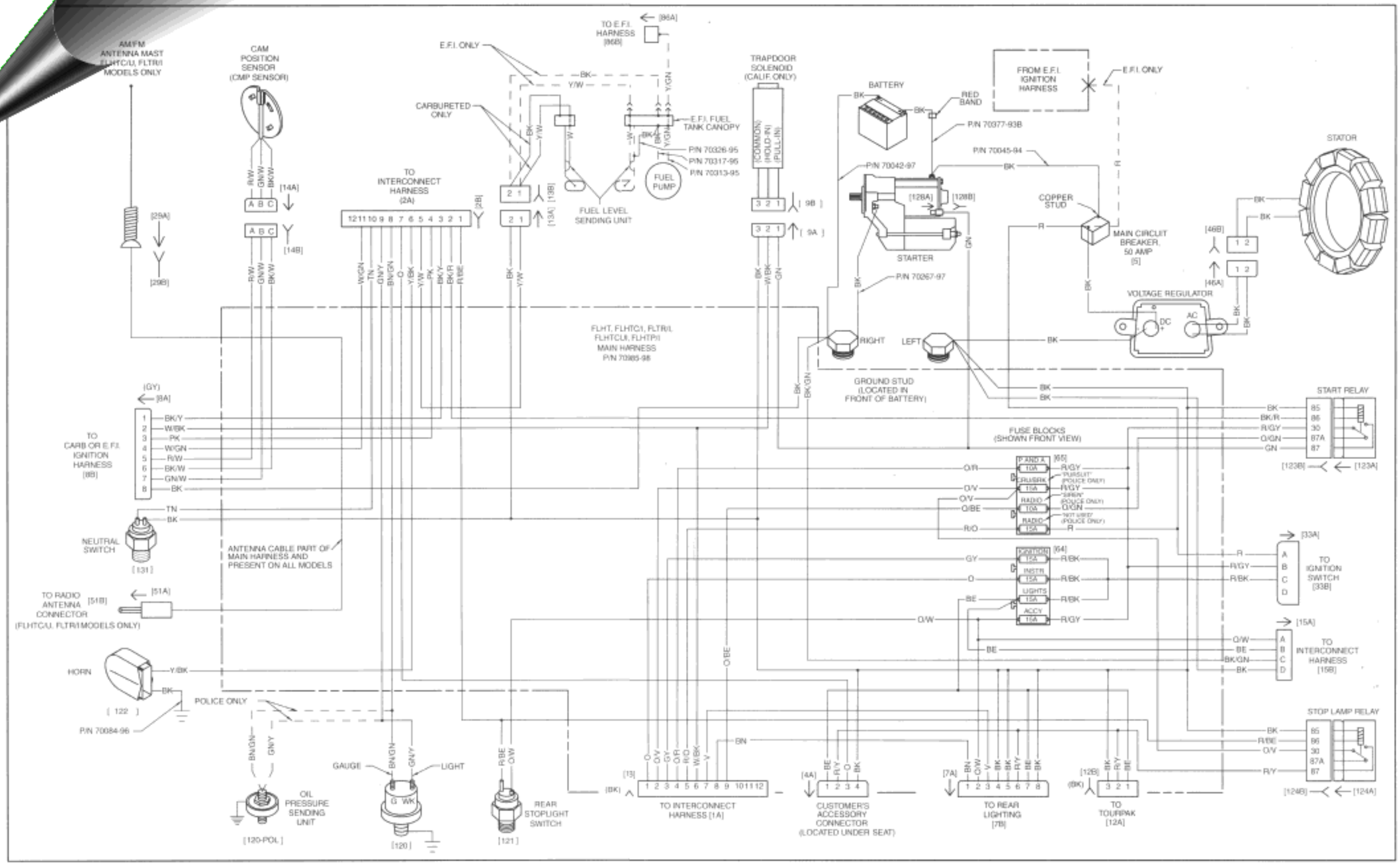








1998 FLHT, FLHTC, FLHTC-I, FLHTC Ultra-I, FLTR and FLTR-I, DOMESTIC and INTERNATIONAL Models, Ignition Switch, Tail Lamp, Passing Lamps, Directional Lamps, Fender Tip Lamps and Tour-Pak Lights



1998 FLHT, FLHTC, FLHTC-I, FLHTC Ultra-I, FLTR and FLTR-I, DOMESTIC and INTERNATIONAL Models, Main Harness