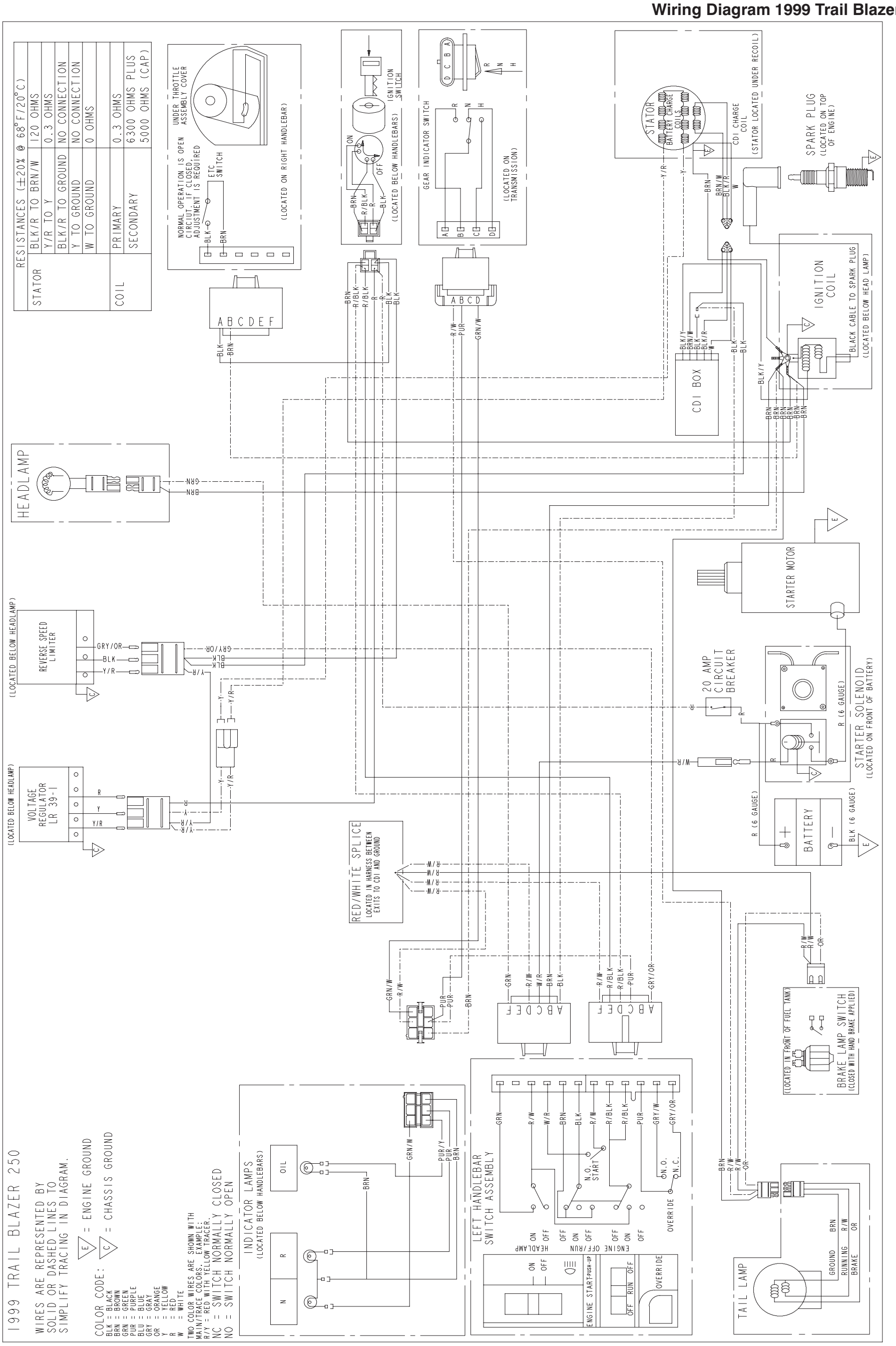
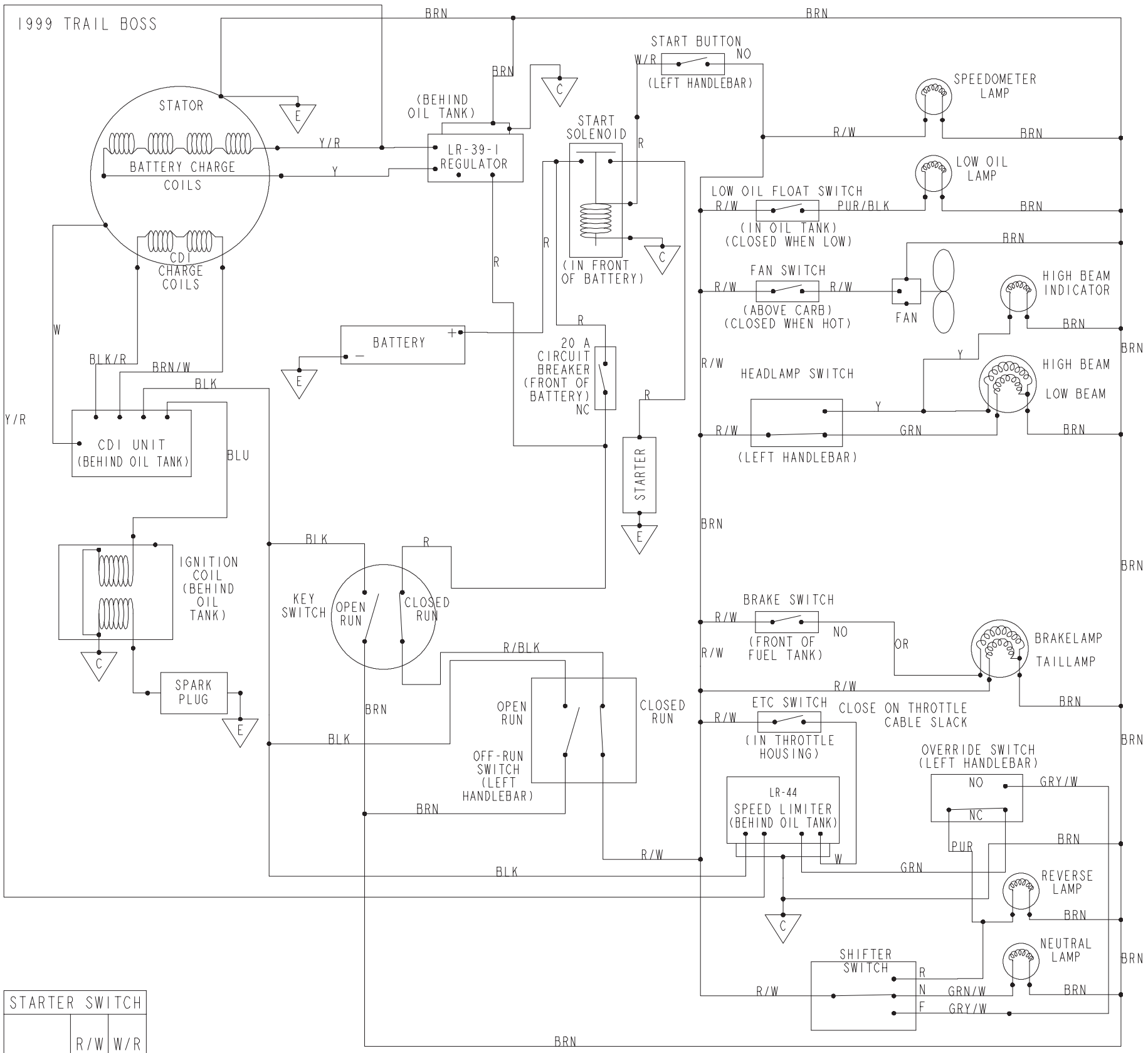
CHAPTER 11
WIRING DIAGRAMS


RESISTANCES (±20% @ 68°F/20°C)
STATOR
BLK/R TO BRN/W 120 OHMS
Y/R TO Y 0.3 OHMS
BLK/R TO GROUND NO CONNECTION
Y TO GROUND NO CONNECTION
W TO GROUND 0 OHMS
COIL
PRIMARY 0.3 OHMS
SECONDARY 6300 OHMS PLUS 5000 OHMS (CAP)
UNDER THROTTLE ASSEMBLY COVER
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
ETC SWITCH
(LOCATED ON RIGHT HANDLEBAR)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
GEAR INDICATOR SWITCH
(LOCATED ON TRANSMISSION)
STATOR
BATTERY CHARGE COILS
CDI CHARGE COIL
(STATOR LOCATED UNDER RECOIL)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
CDI BOX
HEADLAMP
(LOCATED BELOW HEADLAMP)
REVERSE SPEED LIMITER
VOLTAGE REGULATOR LR 39-1
STARTER MOTOR
20 AMP CIRCUIT BREAKER
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
BATTERY
RED/WHITE SPLICE
LOCATED IN HARNESS BETWEEN EXITS TO CDI AND GROUND
(LOCATED IN FRONT OF FUEL TANK)
LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
BRAKE LAMP
TAIL LAMP
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
OIL
LEFT HANDLEBAR SWITCH ASSEMBLY
HEADLAMP
ENGINE START
ENGINE OFF/RUN
OVERRIDE
N.O.; START
N.O.
N.C.
1999 TRAIL BLAZER 250
WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
E = ENGINE GROUND
C = CHASSIS GROUND
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN



STARTER SWITCH		
	R/W	W/R
FREE		
PUSHED	○=○	

HEADLAMP SWITCH			
	R/W	GRN	Y
OFF			
LO	○=○		
HI	○=====○		

TRANSMISSION SWITCH				
	R/W	GRY/W	GRN/W	PUR
FWD	○=○			
N	○=======○			
REV	○=========○			

AUX SHUT OFF SWITCH				
	BLK	BRN	R/W	R/BLK
OFF	○=○			
RUN			○=○	

OVERRIDE SWITCH			
	PUR	GRY/W	GRN
FREE	○=======○		
PUSHED	○=○		

KEY SWITCH				
	BLK	BRN	R/BLK	R
OFF	○=○			
ON			○=○	

ETC SWITCH		
	R/W	W
NORMAL		
FAULT	○=○	

RESISTANCES (±20% @ 68°F/20°C)		
STATOR	BLK/R TO BRN/W	120 OHMS
	Y/R TO Y	0.3 OHMS
	BLK/R TO GROUND	NO CONNECTION
	Y TO GROUND	NO CONNECTION
	W TO GROUND	0 OHMS
COIL	PRIMARY	0.3 OHMS
	SECONDARY	6300 OHMS PLUS 5000 OHMS (CAP)

E = ENGINE GROUND
C = CHASSIS GROUND

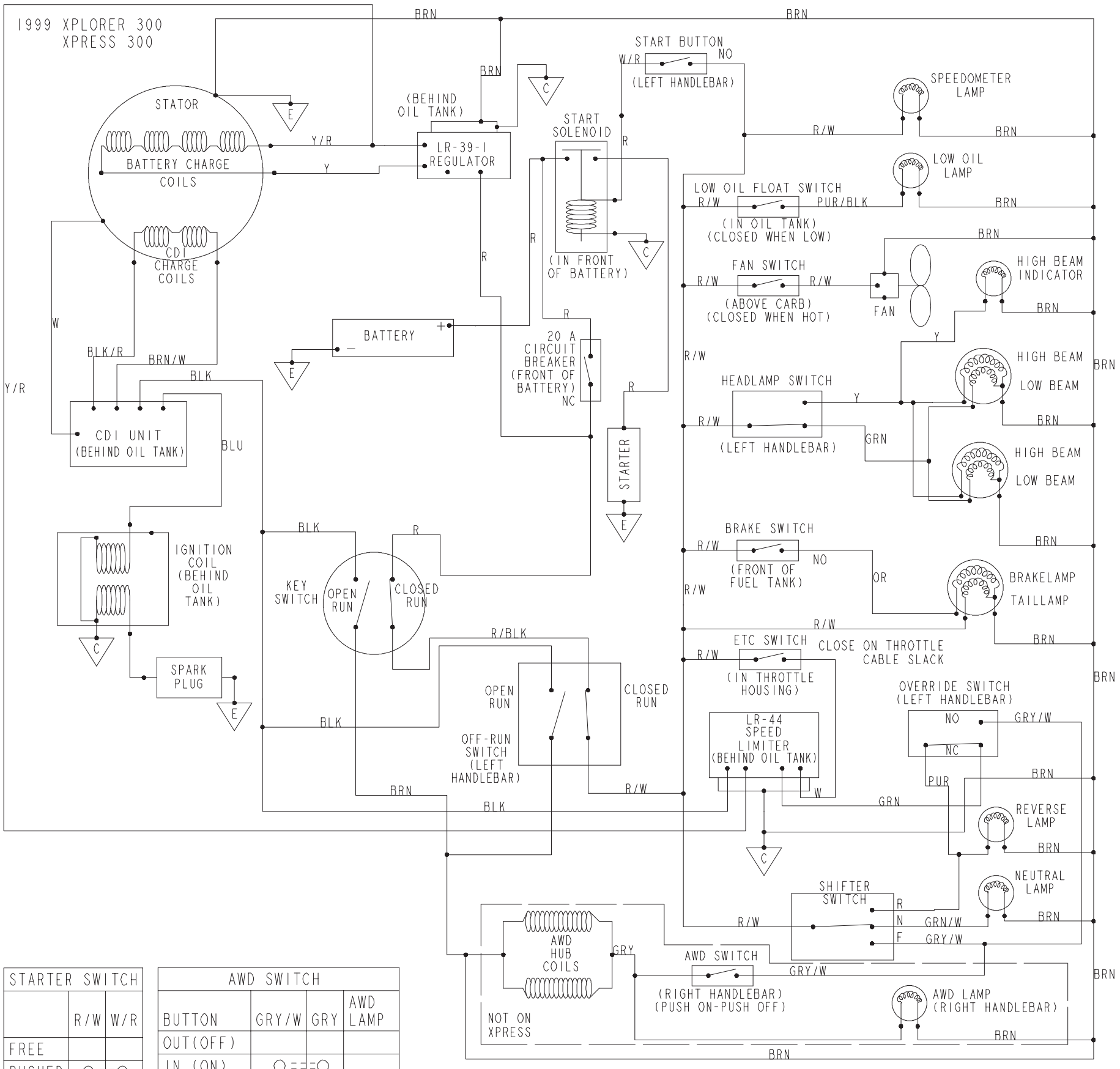
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

COLOR CODE

BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE

TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.

1999 TRAIL BOSS



STARTER SWITCH		
	R/W	W/R
FREE		
PUSHED	○==○	

AWD SWITCH			
BUTTON	GRY/W	GRY	AWD LAMP
OUT(OFF)			
IN (ON)	○===○		
IN (ON)	○=======○		

HEADLAMP SWITCH			
	R/W	GRN	Y
OFF			
LO	○==○		
HI	○=====○		

TRANSMISSION SWITCH				
	R/W	GRY/W	GRN/W	PUR
FWD	○===○			
N	○=======○			
REV	○=========○			

AUX SHUT OFF SWITCH				
	BLK	BRN	R/W	R/BLK
OFF	○==○			
RUN			○===○	

OVERRIDE SWITCH			
	PUR	GRY/W	GRN
FREE	○=======○		
PUSHED	○===○		

KEY SWITCH				
	BLK	BRN	R/BLK	R
OFF	○==○			
ON			○===○	

ETC SWITCH		
	R/W	W
NORMAL		
FAULT	○==○	

RESISTANCES (±20% @ 68°F/20°C)		
STATOR	BLK/R TO BRN/W	120 OHMS
	Y/R TO Y	0.3 OHMS
	BLK/R TO GROUND	NO CONNECTION
	Y TO GROUND	NO CONNECTION
	W TO GROUND	0 OHMS
COIL	PRIMARY	0.3 OHMS
	SECONDARY	6300 OHMS PLUS 5000 OHMS (CAP)
FRONT WHEEL DRIVE COILS	GRY TO BRN	24 OHMS (EACH)

E = ENGINE GROUND
C = CHASSIS GROUND

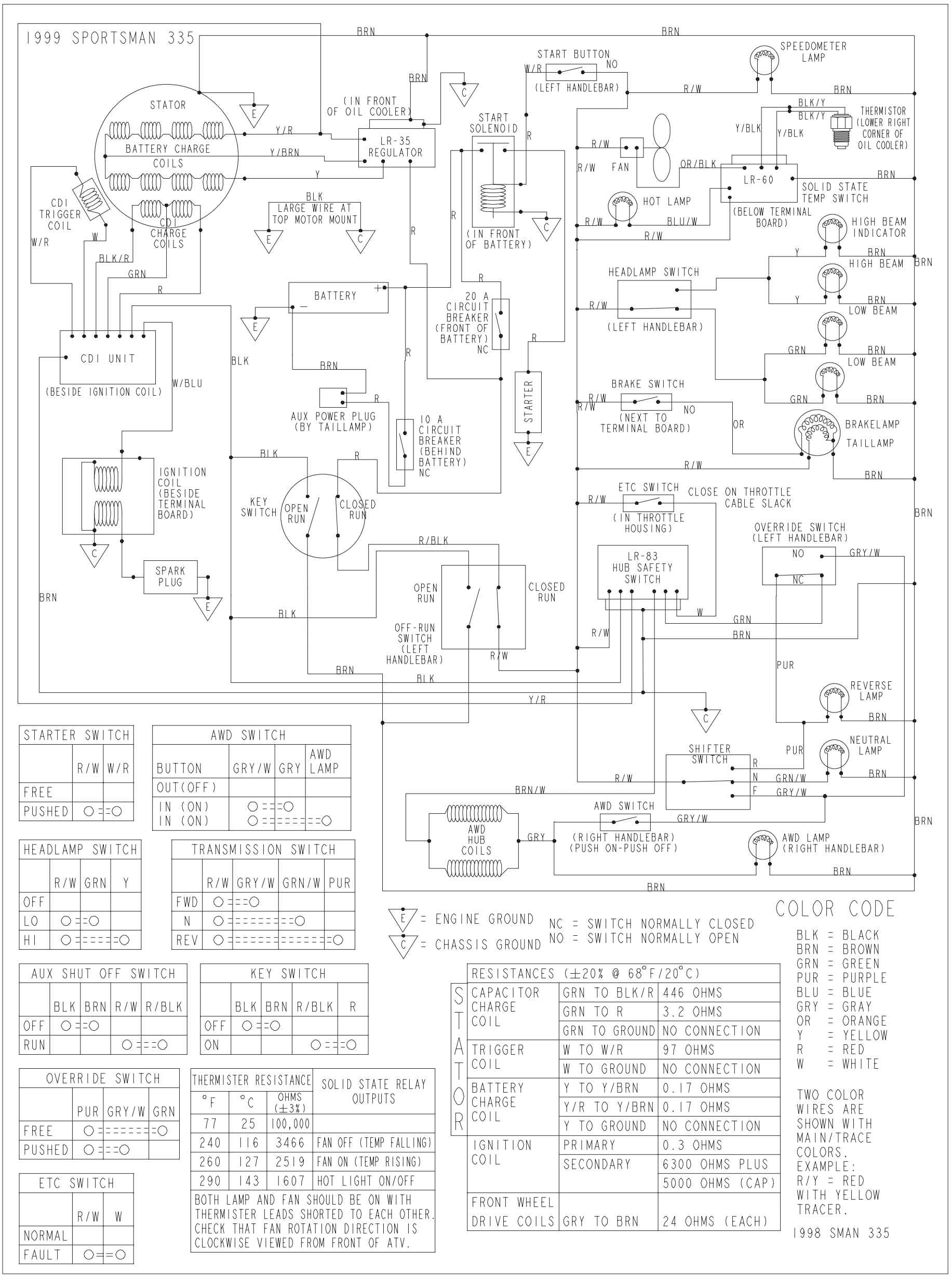
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

COLOR CODE

BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE

TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.

1999 300



STARTER SWITCH		
	R/W	W/R
FREE		
PUSHED	○	○

AWD SWITCH			
BUTTON	GRY/W	GRY	AWD LAMP
OUT (OFF)			
IN (ON)	○	○	
IN (ON)	○	○	○

HEADLAMP SWITCH			
	R/W	GRN	Y
OFF			
LO	○	○	
HI	○	○	○

TRANSMISSION SWITCH				
	R/W	GRY/W	GRN/W	PUR
FWD	○	○		
N	○		○	
REV	○			○

AUX SHUT OFF SWITCH				
	BLK	BRN	R/W	R/BLK
OFF	○	○		
RUN			○	○

KEY SWITCH				
	BLK	BRN	R/BLK	R
OFF	○	○		
ON			○	○

OVERRIDE SWITCH			
	PUR	GRY/W	GRN
FREE	○		○
PUSHED	○	○	

ETC SWITCH		
	R/W	W
NORMAL		
FAULT	○	○

THERMISTER RESISTANCE			SOLID STATE RELAY OUTPUTS
°F	°C	OHMS (±3%)	
77	25	100,000	
240	116	3466	FAN OFF (TEMP FALLING)
260	127	2519	FAN ON (TEMP RISING)
290	143	1607	HOT LIGHT ON/OFF

BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTER LEADS SHORTED TO EACH OTHER. CHECK THAT FAN ROTATION DIRECTION IS CLOCKWISE VIEWED FROM FRONT OF ATV.

E = ENGINE GROUND
C = CHASSIS GROUND

NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

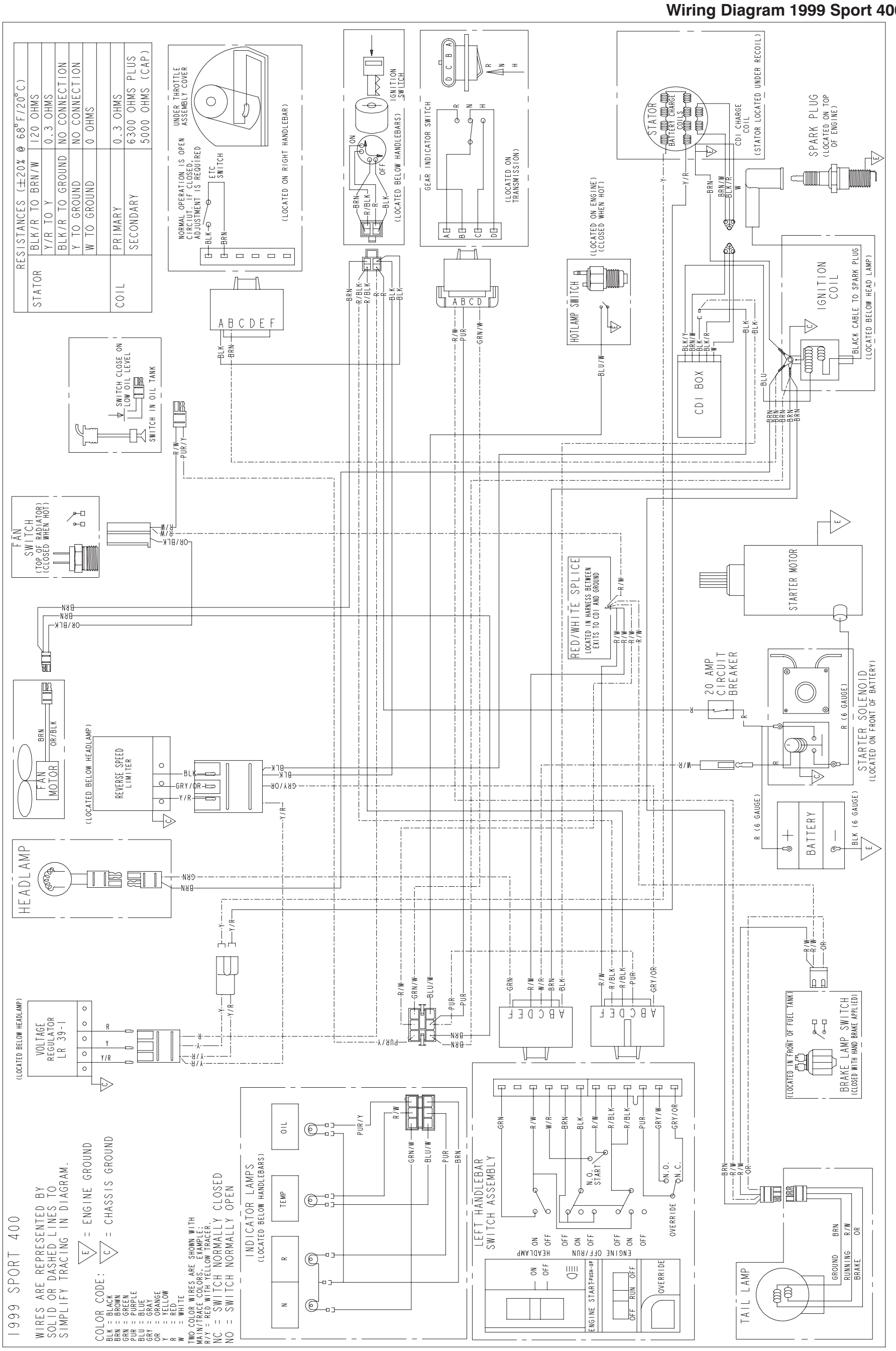
	RESISTANCES (±20% @ 68°F/20°C)		
STATOR	CAPACITOR CHARGE COIL	GRN TO BLK/R	446 OHMS
		GRN TO R	3.2 OHMS
		GRN TO GROUND	NO CONNECTION
	TRIGGER COIL	W TO W/R	97 OHMS
		W TO GROUND	NO CONNECTION
	BATTERY CHARGE COIL	Y TO Y/BRN	0.17 OHMS
		Y/R TO Y/BRN	0.17 OHMS
		Y TO GROUND	NO CONNECTION
	IGNITION COIL	PRIMARY	0.3 OHMS
		SECONDARY	6300 OHMS PLUS
			5000 OHMS (CAP)
	FRONT WHEEL DRIVE COILS	GRY TO BRN	24 OHMS (EACH)

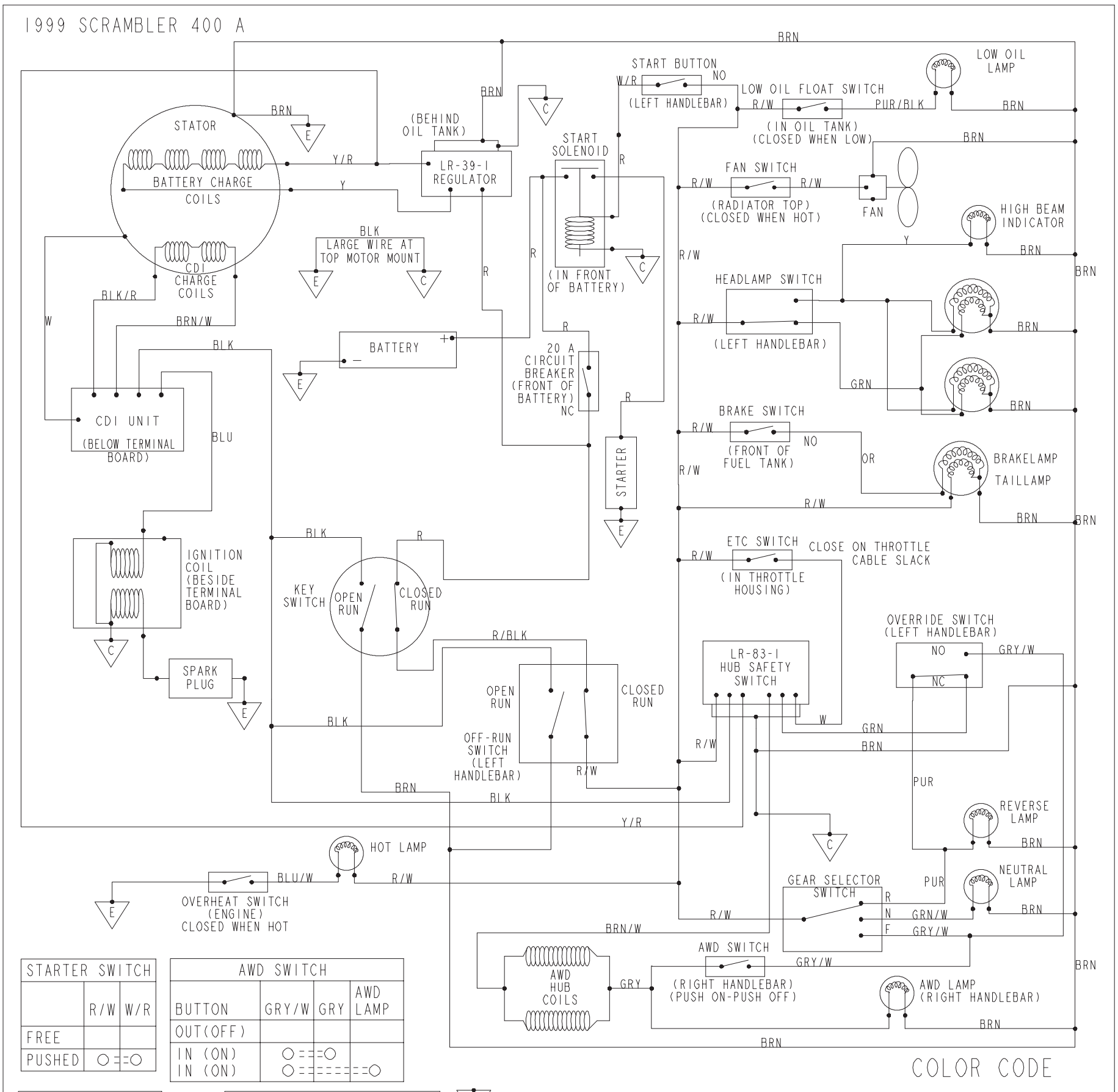
COLOR CODE

BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE

TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.

1998 SMAN 335


RESISTANCES (±20% @ 68°F/20°C)
STATOR
BLK/R TO BRN/W 120 OHMS
Y/R TO Y 0.3 OHMS
BLK/R TO GROUND NO CONNECTION
Y TO GROUND NO CONNECTION
W TO GROUND 0 OHMS
COIL
PRIMARY 0.3 OHMS
SECONDARY 6300 OHMS PLUS 5000 OHMS (CAP)
UNDER THROTTLE ASSEMBLY COVER
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
ETC SWITCH
(LOCATED ON RIGHT HANDLEBAR)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
GEAR INDICATOR SWITCH
(LOCATED ON TRANSMISSION)
STATOR
BATTERY CHARGE COIL
CDI CHARGE COIL
(STATOR LOCATED UNDER RECOIL)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
(LOCATED ON ENGINE) (CLOSED WHEN HOT)
HOTLAMP SWITCH
CDI BOX
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
SWITCH CLOSE ON LOW OIL LEVEL
SWITCH IN OIL TANK
FAN SWITCH
(TOP OF RADIATOR) (CLOSED WHEN HOT)
RED/WHITE SPLICE
LOCATED IN HARNESS BETWEEN EXITS TO CDI AND GROUND
STARTER MOTOR
20 AMP CIRCUIT BREAKER
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
R (6 GAUGE)
BLK (6 GAUGE)
BATTERY
FAN MOTOR
(LOCATED BELOW HEADLAMP)
REVERSE SPEED LIMITER
HEADLAMP
VOLTAGE REGULATOR LR 39-1
(LOCATED BELOW HEADLAMP)
(LOCATED IN FRONT OF FUEL TANK)
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
TAIL LAMP
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
OIL
TEMP
N
R
LEFT HANDLEBAR SWITCH ASSEMBLY
HEADLAMP
ENGINE OFF/RUN
ENGINE START PUSH-UP
OVERRIDE
N.O.
N.C.
START
GROUND
RUNNING
BRAKE
1999 SPORT 400
WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
E = ENGINE GROUND
C = CHASSIS GROUND
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN



STARTER SWITCH		
	R/W	W/R
FREE		
PUSHED	○	○

AWD SWITCH			
BUTTON	GRY/W	GRY	AWD LAMP
OUT(OFF)			
IN (ON)	○	○	
IN (ON)	○	○	○

HEADLAMP SWITCH			
	R/W	GRN	Y
OFF			
LO	○	○	
HI	○	○	○

GEAR SELECTOR SWITCH				
	R/W	GRY/W	GRN/W	PUR
FWD	○	○		
N	○		○	
REV	○			○

AUX SHUT OFF SWITCH				
	BLK	BRN	R/W	R/BLK
OFF	○	○		
RUN			○	○

OVERRIDE SWITCH			
	PUR	GRY/W	GRN
FREE	○		○
PUSHED	○	○	

KEY SWITCH				
	BLK	BRN	R/BLK	R
OFF	○	○		
ON			○	○

ETC SWITCH		
	R/W	W
NORMAL		
FAULT	○	○

E = ENGINE GROUND
C = CHASSIS GROUND

NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

RESISTANCES (±20% @ 68°F/20°C)		
STATOR	BLK/R TO BRN/W	120 OHMS
	Y/R TO Y	0.3 OHMS
	BLK/R TO GROUND	NO CONNECTION
	Y TO GROUND	NO CONNECTION
	W TO GROUND	0 OHMS
COIL	PRIMARY	0.3 OHMS
	SECONDARY	6300 OHMS PLUS 5000 OHMS (CAP)
FRONT WHEEL DRIVE COILS	GRY TO BRN/W	24 OHMS (EACH)

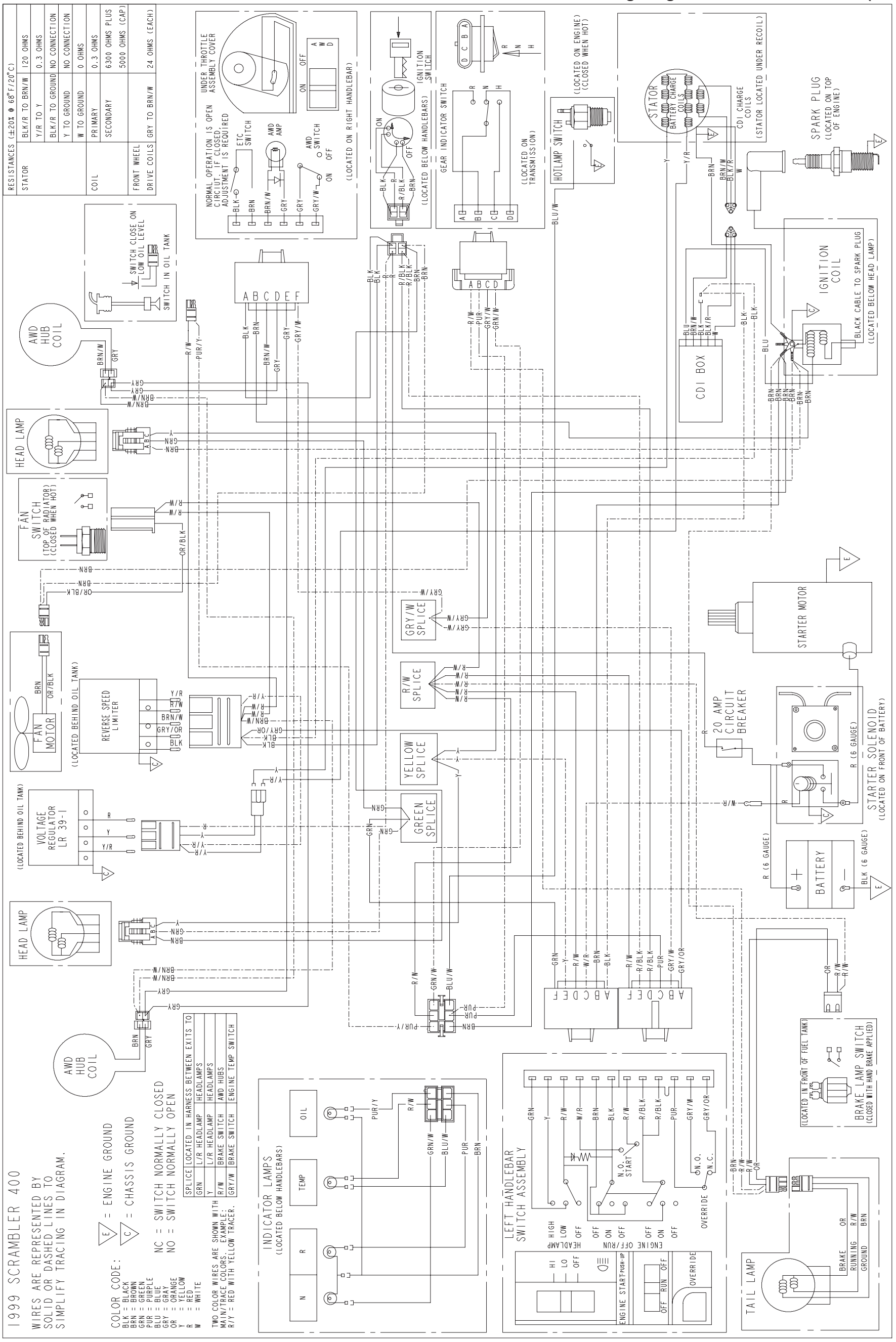
COLOR CODE

BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE

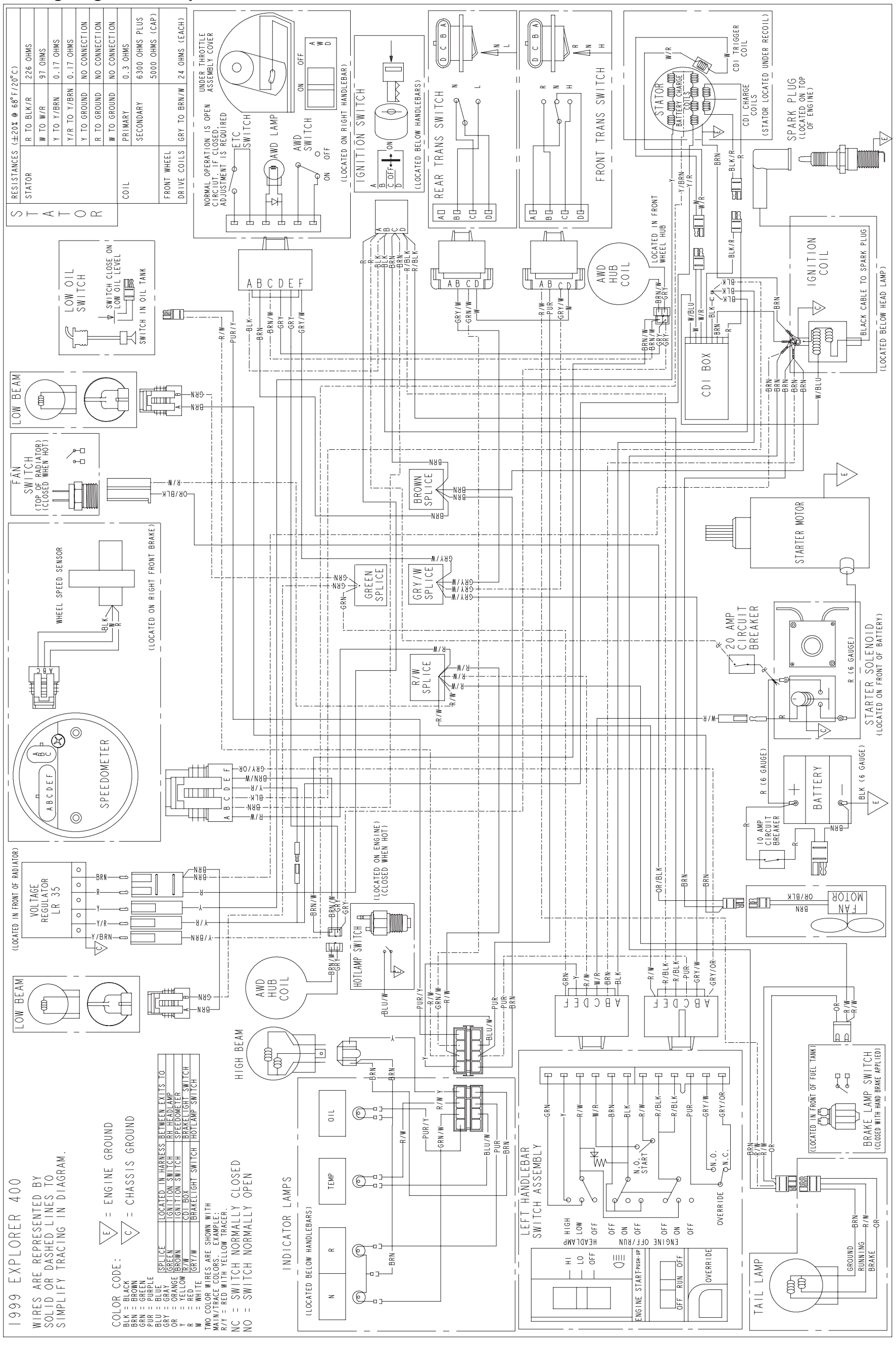
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.

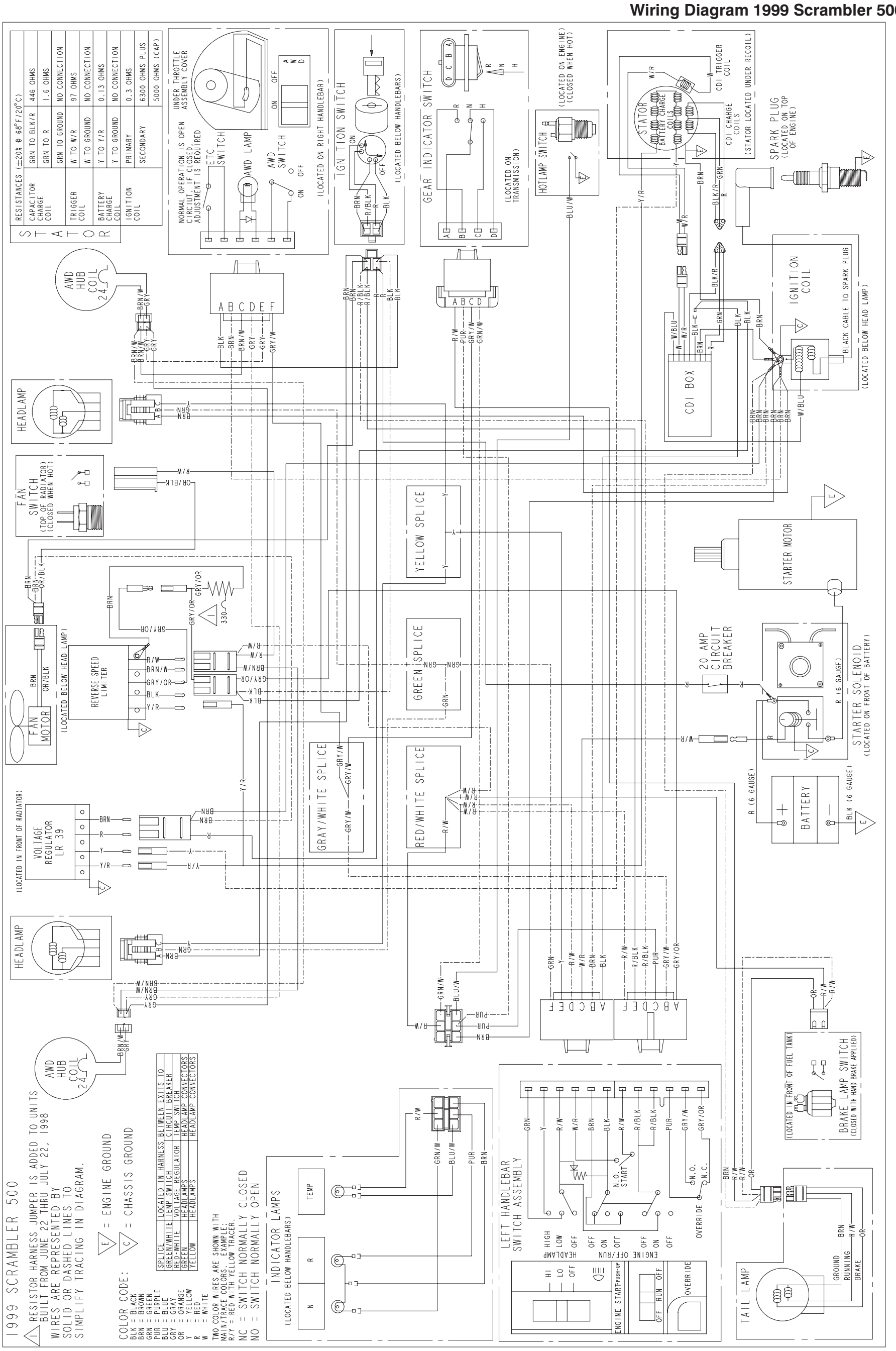
1999 SCR 400 A

Wiring Diagram 1999 Scrambler 400 (Late)

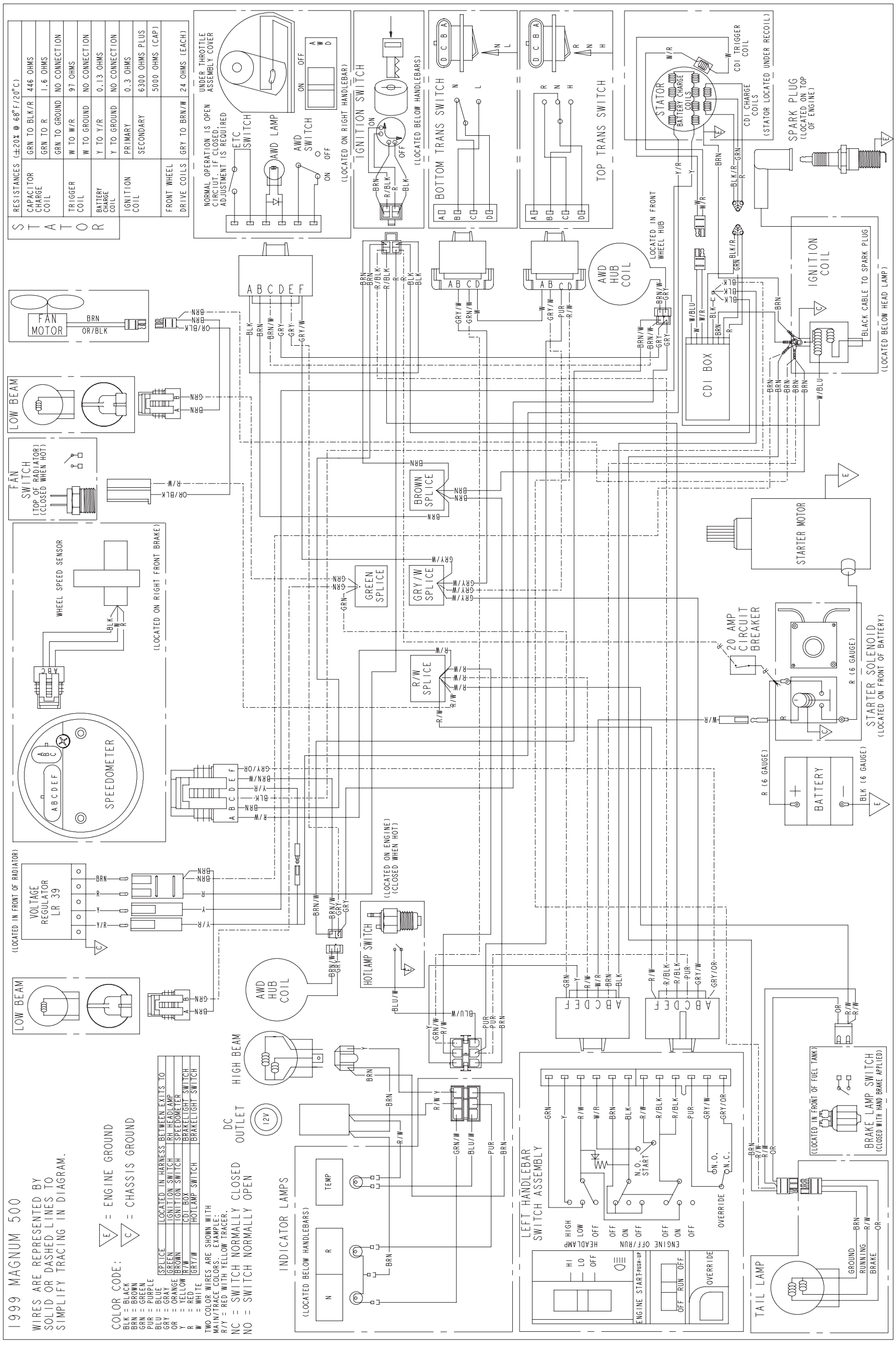


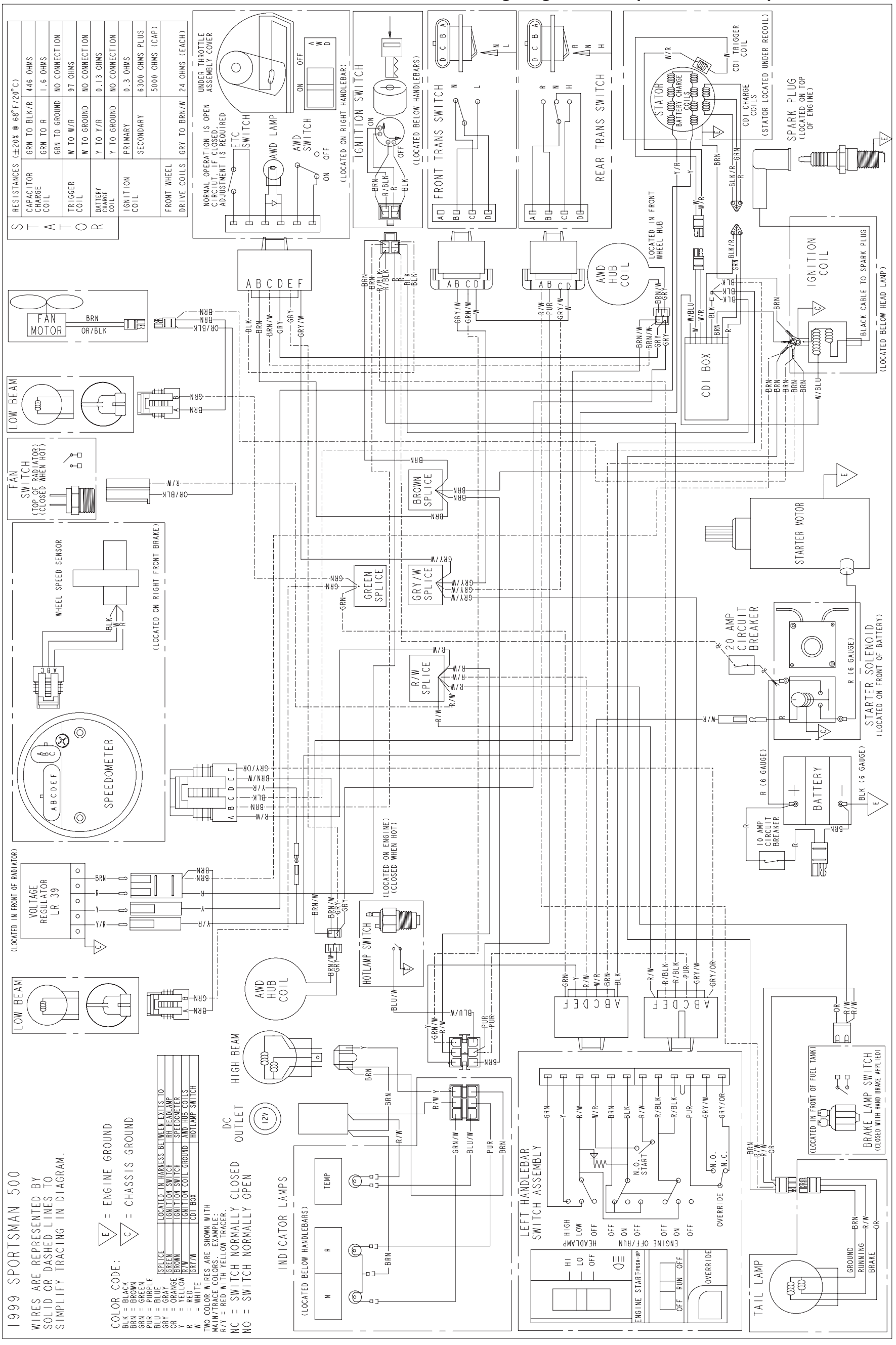
ELECTRICAL
Wiring Diagram 1999 Xplorer 400



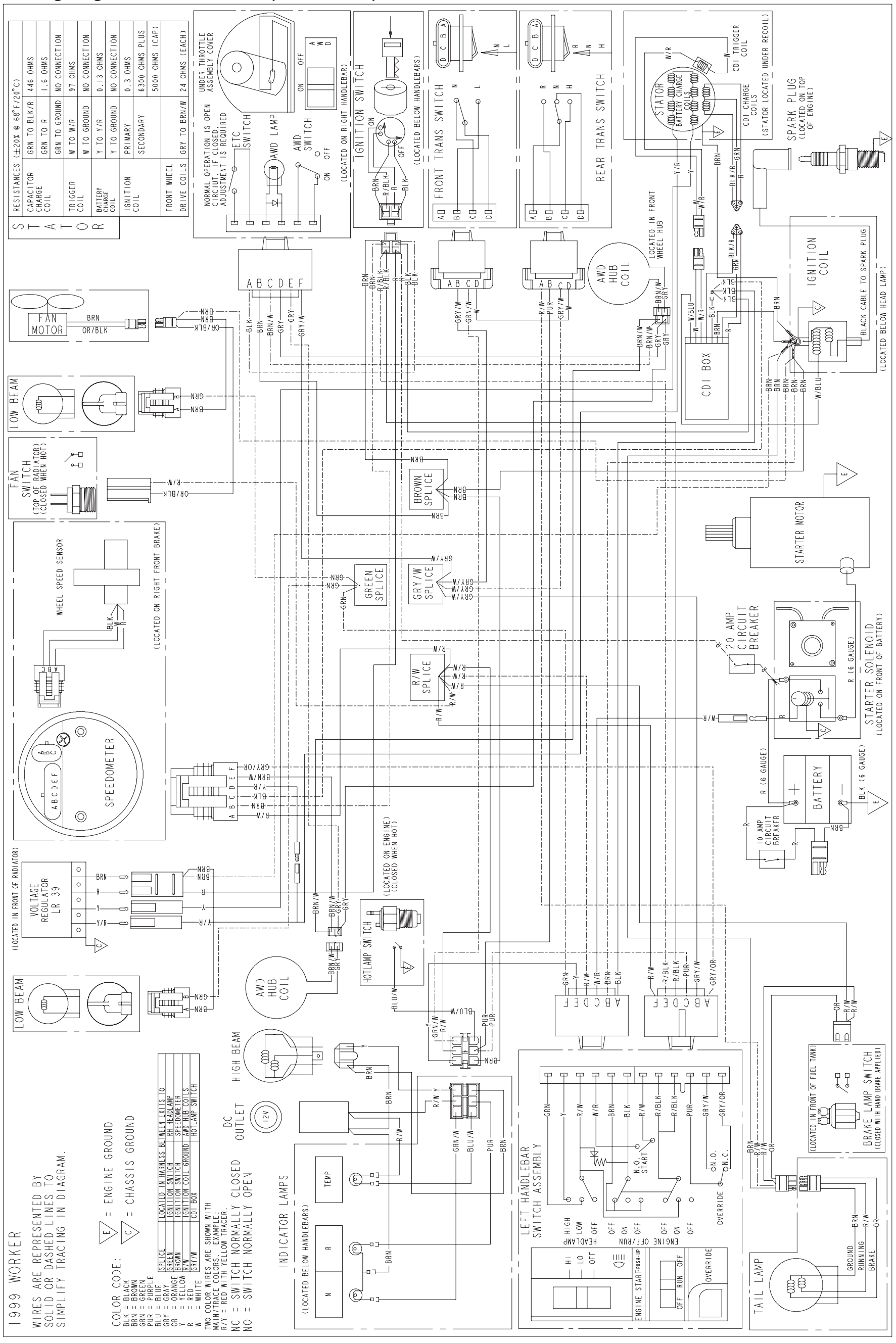

1999 SCRAMBLER 500
1 RESISTOR HARNESS JUMPER IS ADDED TO UNITS BUILT FROM JUNE 22 THRU JULY 22, 1998
WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
E = ENGINE GROUND
C = CHASSIS GROUND
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS:. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
STATOR
RESISTANCES (±20% @ 68°F/20°C)
CAPACITOR CHARGE COIL: GRN TO BLK/R 446 OHMS
GRN TO R 1.6 OHMS
GRN TO GROUND NO CONNECTION
TRIGGER COIL: W TO W/R 97 OHMS
W TO GROUND NO CONNECTION
BATTERY CHARGE COIL: Y TO Y/R 0.13 OHMS
Y TO GROUND NO CONNECTION
IGNITION COIL: PRIMARY 0.3 OHMS
SECONDARY 6300 OHMS PLUS 5000 OHMS (CAP)
UNDER THROTTLE ASSEMBLY COVER
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
ETC SWITCH
AWD LAMP
AWD SWITCH
ON OFF
AWD
(LOCATED ON RIGHT HANDLEBAR)
IGNITION SWITCH
ON OFF
(LOCATED BELOW HANDLEBARS)
GEAR INDICATOR SWITCH
(LOCATED ON TRANSMISSION)
HOTLAMP SWITCH
(LOCATED ON ENGINE) (CLOSED WHEN HOT)
CDI TRIGGER COIL
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
CDI BOX
AWD HUB COIL 24
HEADLAMP
FAN SWITCH
(TOP OF RADIATOR) (CLOSED WHEN HOT)
YELLOW SPLICE
GREEN SPLICE
GRAY/WHITE SPLICE
RED/WHITE SPLICE
STARTER MOTOR
20 AMP CIRCUIT BREAKER
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
R (6 GAUGE)
BLK (6 GAUGE)
BATTERY
FAN MOTOR
(LOCATED BELOW HEAD LAMP)
REVERSE SPEED LIMITER
330
VOLTAGE REGULATOR LR 39
(LOCATED IN FRONT OF RADIATOR)
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
TEMP
N
R
LEFT HANDLEBAR SWITCH ASSEMBLY
HIGH
LOW
OFF
HEADLAMP
ENGINE START PUSH-UP
ENGINE OFF/RUN
OFF RUN
OVERRIDE
N.O. START
N.O.
N.C.
TAIL LAMP
GROUND
RUNNING
BRAKE
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
SPLICE | LOCATED IN HARNESS BETWEEN EXITS TO
GREEN/WHITE | TEMP SWITCH | CIRCUIT BREAKER
RED-WHITE | VOLTAGE REGULATOR | TEMP SWITCH
GREEN | HEADLAMPS | HEADLAMP CONNECTORS
YELLOW | HEADLAMPS | HEADLAMP CONNECTORS

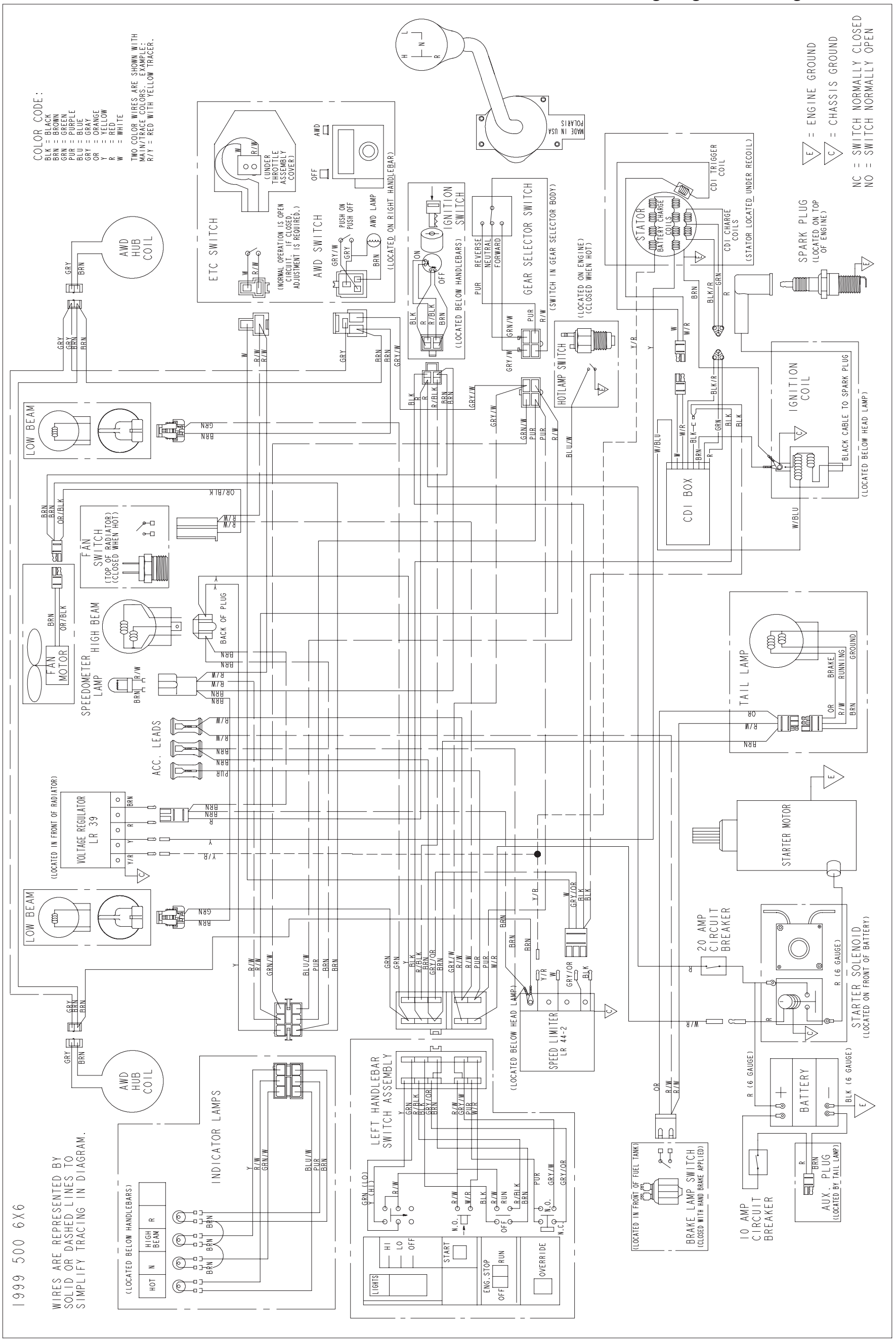
ELECTRICAL
Wiring Diagram 1999 Magnum 500



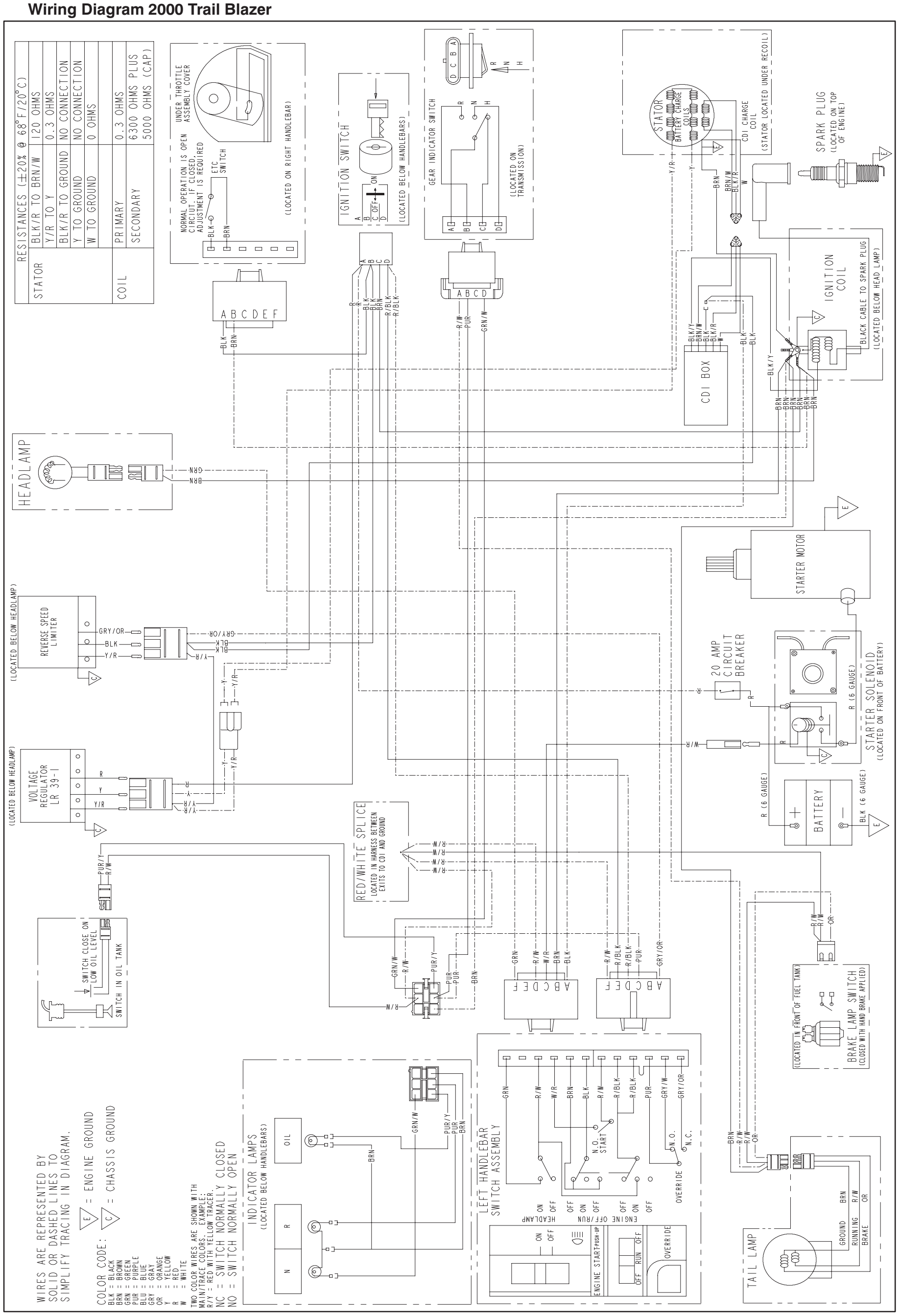

STATOR
RESISTANCES (±20% @ 68°F/20°C)
CAPACITOR CHARGE COIL — GRN TO BLK/R — 446 OHMS
GRN TO R — 1.6 OHMS
GRN TO GROUND — NO CONNECTION
TRIGGER COIL — W TO W/R — 97 OHMS
W TO GROUND — NO CONNECTION
BATTERY CHARGE COIL — Y TO Y/R — 0.13 OHMS
Y TO GROUND — NO CONNECTION
IGNITION COIL — PRIMARY — 0.3 OHMS
SECONDARY — 6300 OHMS PLUS 5000 OHMS (CAP)
FRONT WHEEL DRIVE COILS — GRY TO BRN/W — 24 OHMS (EACH)
UNDER THROTTLE ASSEMBLY COVER
NORMAL OPERATION IS OPEN CIRCUIT, IF CLOSED, ADJUSTMENT IS REQUIRED
ETC SWITCH
AWD LAMP
AWD SWITCH
ON OFF
(LOCATED ON RIGHT HANDLEBAR)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
FRONT TRANS SWITCH
REAR TRANS SWITCH
CDI TRIGGER COIL
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
CDI BOX
AWD HUB COIL
LOCATED IN FRONT WHEEL HUB
FAN MOTOR
LOW BEAM
FAN SWITCH
(TOP OF RADIATOR)
(CLOSED WHEN HOT)
BROWN SPLICE
GREEN SPLICE
GRY/W SPLICE
R/W SPLICE
STARTER MOTOR
20 AMP CIRCUIT BREAKER
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
BATTERY
BLK (6 GAUGE)
10 AMP CIRCUIT BREAKER
WHEEL SPEED SENSOR
(LOCATED ON RIGHT FRONT BRAKE)
SPEEDOMETER
VOLTAGE REGULATOR LR 39
(LOCATED IN FRONT OF RADIATOR)
(LOCATED ON ENGINE) (CLOSED WHEN HOT)
HOTLAMP SWITCH
HIGH BEAM
DC OUTLET
12V
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
TEMP
N
R
LEFT HANDLEBAR SWITCH ASSEMBLY
HIGH LOW OFF
HEADLAMP
OFF ON OFF
N.O. START
ENGINE OFF/RUN
OFF RUN OFF
N.O. N.C.
OVERRIDE
ENGINE START PUSH-UP
TAIL LAMP
GROUND RUNNING BRAKE
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
1999 SPORTSMAN 500
WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
= ENGINE GROUND
= CHASSIS GROUND
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
SPLICE — LOCATED IN HARNESS BETWEEN EXITS TO
GREEN — IGNITION SWITCH — RH HEADLAMP
BROWN — IGNITION SWITCH — SPEEDOMETER
R/W — IGNITION COIL GROUND — AWD HUB COILS
GRY/W — CDI BOX — HOTLAMP SWITCH

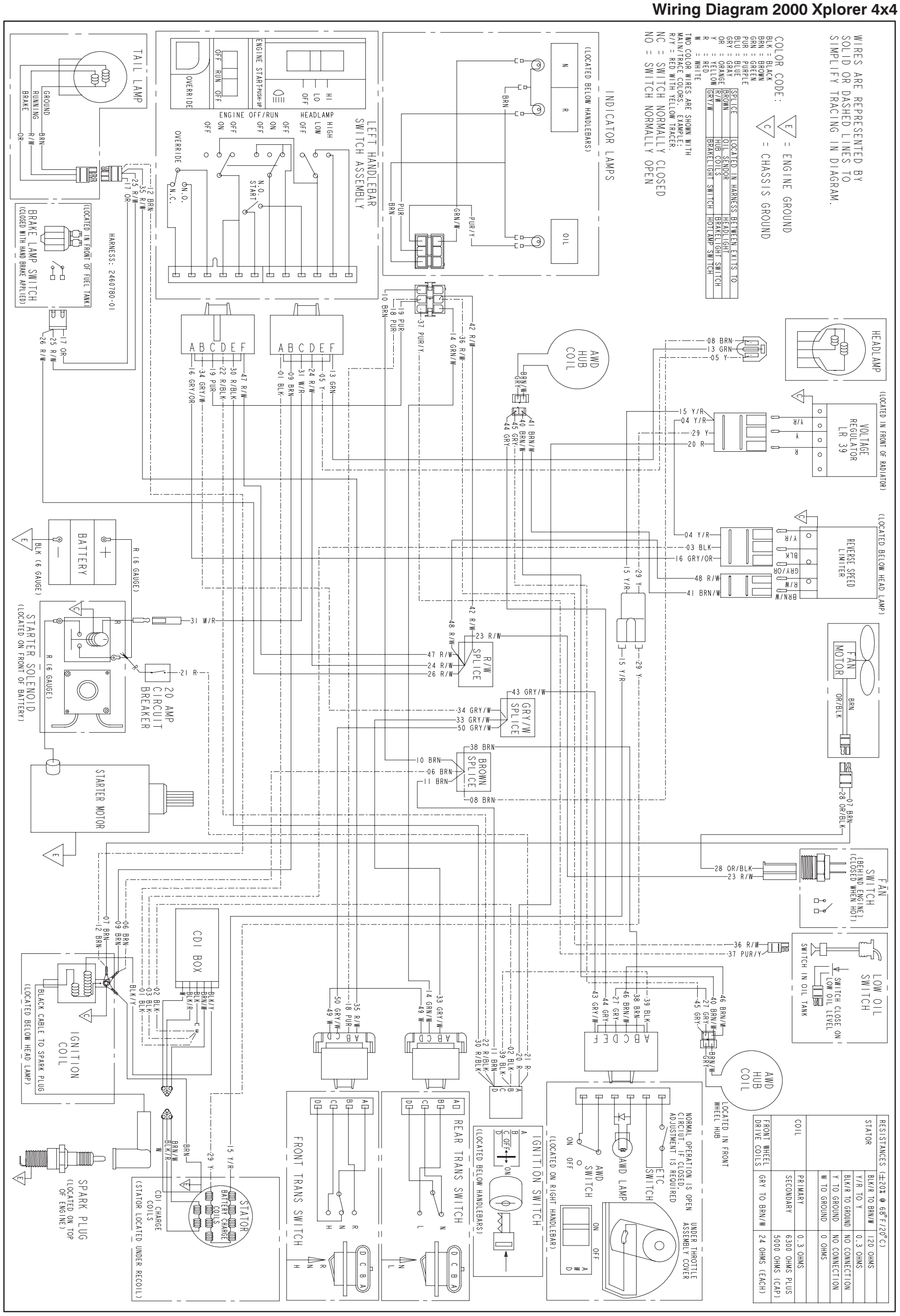
ELECTRICAL
Wiring Diagram 1999 Worker 500 (International)



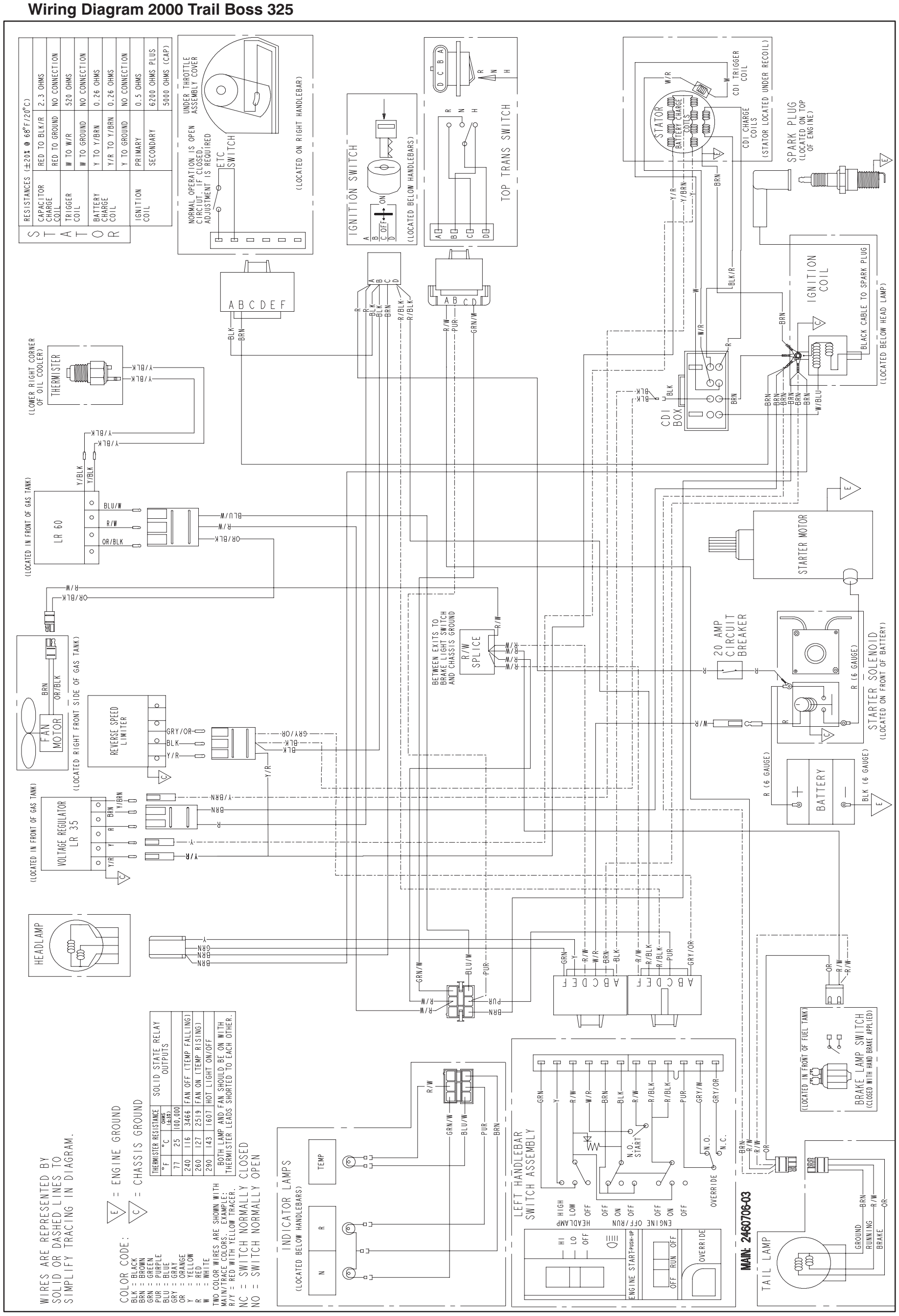

COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
E = ENGINE GROUND
C = CHASSIS GROUND
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
MADE IN USA POLARIS
ETC SWITCH
(UNDER THROTTLE ASSEMBLY COVER)
(NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED.)
AWD SWITCH
PUSH ON PUSH OFF
AWD LAMP
(LOCATED ON RIGHT HANDLEBAR)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
GEAR SELECTOR SWITCH
(SWITCH IN GEAR SELECTOR BODY)
HOTLAMP SWITCH
(LOCATED ON ENGINE)
(CLOSED WHEN HOT)
STATOR
BATTERY CHARGE COILS
CDI TRIGGER COIL
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
IGNITION COIL
BLACK CABLE TO SPARK PLUG
CDI BOX
AWD HUB COIL
LOW BEAM
HIGH BEAM
SPEEDOMETER LAMP
BACK OF PLUG
FAN SWITCH
(TOP OF RADIATOR)
(CLOSED WHEN HOT)
FAN MOTOR
ACC. LEADS
VOLTAGE REGULATOR LR 39
(LOCATED IN FRONT OF RADIATOR)
TAIL LAMP
BRAKE
RUNNING
GROUND
STARTER MOTOR
20 AMP CIRCUIT BREAKER
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
R (6 GAUGE)
BATTERY
BLK (6 GAUGE)
SPEED LIMITER LR 44-2
(LOCATED BELOW HEAD LAMP)
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
HOT
N
HIGH BEAM
R
LEFT HANDLEBAR SWITCH ASSEMBLY
LIGHTS
HI
LO
OFF
START
ENG.STOP
RUN
OFF
OVERRIDE
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
10 AMP CIRCUIT BREAKER
AUX. PLUG
(LOCATED BY TAIL LAMP)
1999 500 6X6
WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.

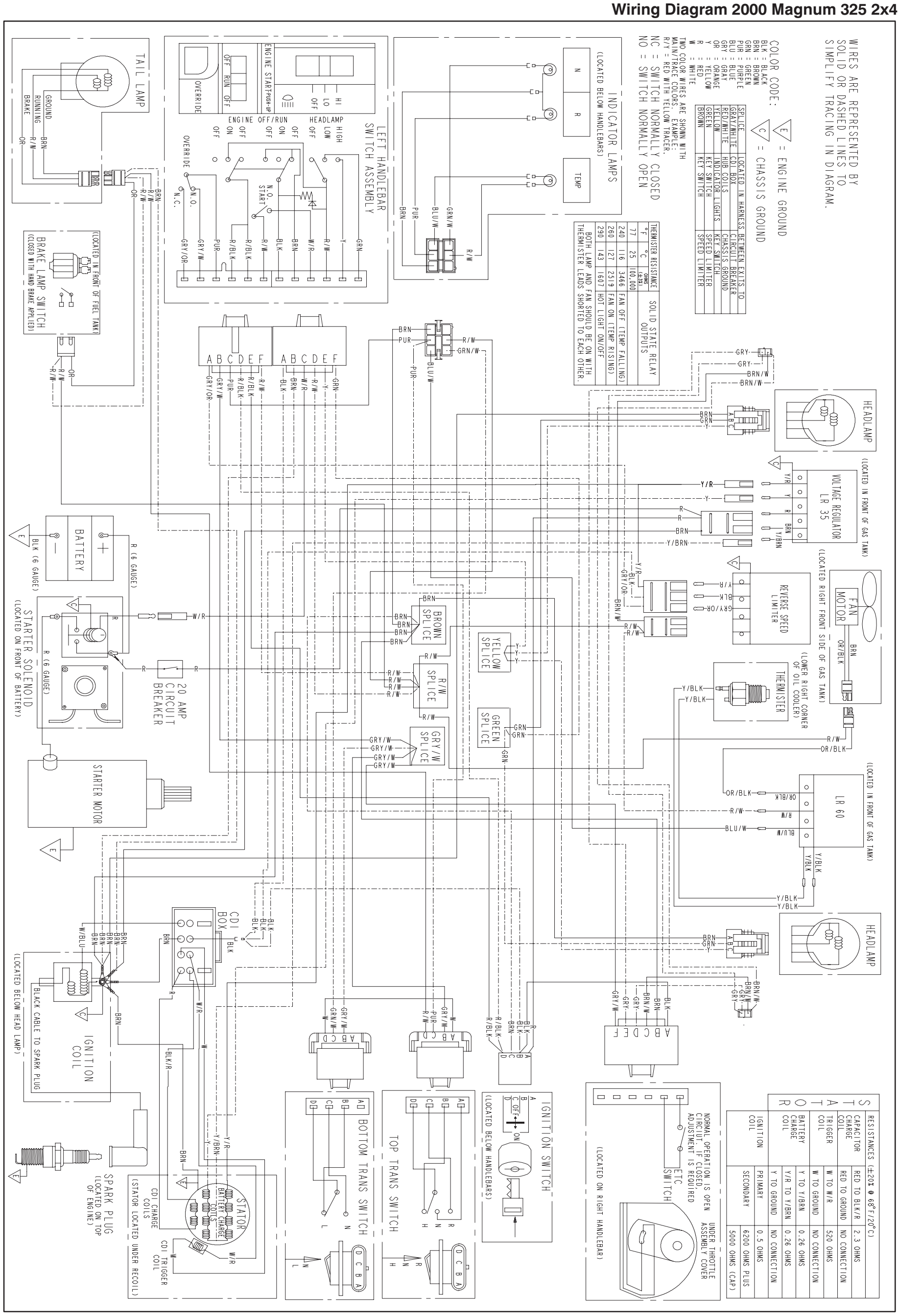
ELECTRICAL
Wiring Diagram 2000 Trail Blazer



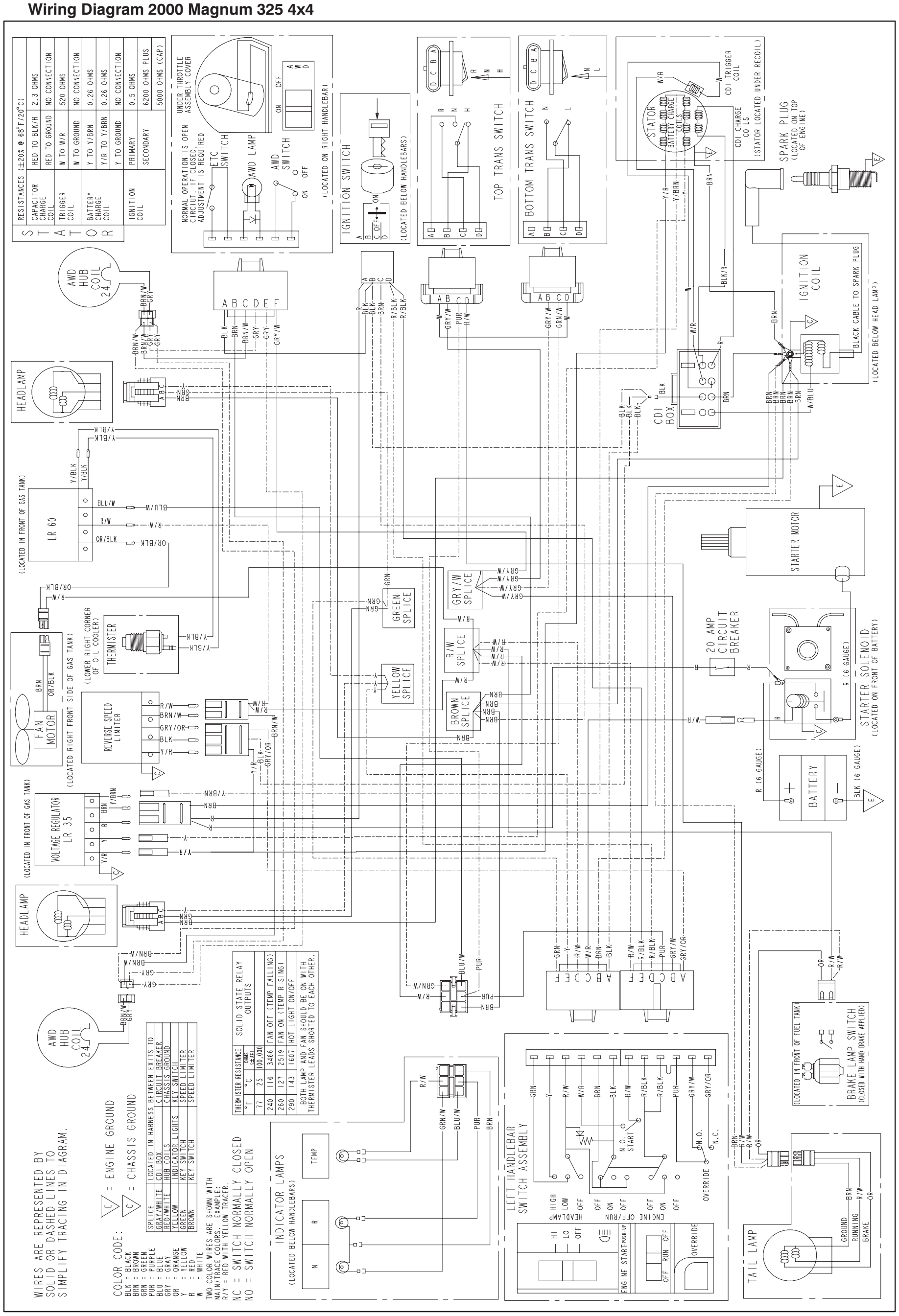

WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
= ENGINE GROUND
= CHASSIS GROUND
SPLICE LOCATED IN HARNESS BETWEEN EXITS TO
BROWN OIL SENDOR HEADLIGHT
R/W HUB COILS BRAKELIGHT SWITCH
GRY/W BRAKELIGHT SWITCH HOTLAMP SWITCH
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
OIL
BRN
PUR
BRN
GRN/W
PUR/Y
LEFT HANDLEBAR SWITCH ASSEMBLY
ENGINE START=PUSH-UP
OFF RUN OFF
OVERRIDE
HI
LO
OFF
ENGINE OFF/RUN
HEADLAMP
OFF ON OFF
OFF ON OFF
HIGH
LOW
OFF
OVERRIDE
N.O.
N.C.
N.O.
START
TAIL LAMP
GROUND
BRN
RUNNING
R/W
BRAKE
OR
12 BRN
35 R/W
25 R/W
17 OR
HARNESS: 2460780-01
(LOCATED IN FRONT OF FUEL TANK)
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
17 OR
25 R/W
26 R/W
A B C D E F
16 GRY/OR
34 GRY/W
19 PUR
22 R/BLK
30 R/BLK
47 R/W
A B C D E F
01 BLK
09 BRN
31 W/R
24 R/W
05 Y
13 GRN
10 BRN
19 PUR
18 PUR
37 PUR/Y
42 R/W
36 R/W
14 GRN/W
AWD HUB COIL
BRN/W GRY
41 BRN/W
40 BRN/W
45 GRY
44 GRY
HEADLAMP
08 BRN
13 GRN
05 Y
VOLTAGE REGULATOR LR 39
(LOCATED IN FRONT OF RADIATOR)
15 Y/R
04 Y/R
29 Y
20 R
Y/R
Y
R
REVERSE SPEED LIMITER
(LOCATED BELOW HEAD LAMP)
04 Y/R
03 BLK
16 GRY/OR
48 R/W
41 BRN/W
Y/R
BLK
GRY/OR
R/W
BRN/W
15 Y/R
29 Y
BATTERY
BLK (6 GAUGE)
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
R
R (6 GAUGE)
31 W/R
21 R
20 AMP CIRCUIT BREAKER
48 R/W
42 R/W
23 R/W
47 R/W
24 R/W
26 R/W
R/W SPLICE
43 GRY/W
34 GRY/W
33 GRY/W
50 GRY/W
GRY/W SPLICE
38 BRN
10 BRN
06 BRN
11 BRN
08 BRN
BROWN SPLICE
STARTER MOTOR
FAN MOTOR
BRN
OR/BLK
07 BRN
28 OR/BLK
28 OR/BLK
23 R/W
FAN SWITCH
(BEHIND ENGINE)
(CLOSED WHEN HOT)
36 R/W
37 PUR/Y
LOW OIL SWITCH
SWITCH CLOSE ON LOW OIL LEVEL
SWITCH IN OIL TANK
CDI BOX
BLK/Y
BRN/W
BLK
BLK/R
W
02 BLK
03 BLK
01 BLK
BLK/Y
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
07 BRN
12 BRN
06 BRN
09 BRN
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
BRN/W
BLK/R
W
BRN
15 Y/R
29 Y
STATOR
BATTERY CHARGE COILS
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
35 R/W
18 PUR
50 GRY/W
49 W
33 GRY/W
14 GRN/W
49 W
FRONT TRANS SWITCH
REAR TRANS SWITCH
A B C D
R N H
N L
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
A B C OFF D
ON
21 R
20 R
02 BLK
39 BLK
11 BRN
22 R/BLK
30 R/BLK
46 BRN/W
38 BRN
39 BLK
27 GRY
44 GRY
43 GRY/W
40 BRN/W
27 GRY
45 GRY
BRN/W GRY
AWD HUB COIL
LOCATED IN FRONT WHEEL HUB
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
ETC SWITCH
AWD LAMP
AWD SWITCH
ON OFF
ON OFF
A W D
(LOCATED ON RIGHT HANDLEBAR)
UNDER THROTTLE ASSEMBLY COVER
RESISTANCES (±20% @ 68°F/20°C)
STATOR BLK/R TO BRN/W 120 OHMS
Y/R TO Y 0.3 OHMS
BLK/R TO GROUND NO CONNECTION
Y TO GROUND NO CONNECTION
W TO GROUND 0 OHMS
COIL PRIMARY 0.3 OHMS
SECONDARY 6300 OHMS PLUS 5000 OHMS (CAP)
FRONT WHEEL DRIVE COILS GRY TO BRN/W 24 OHMS (EACH)

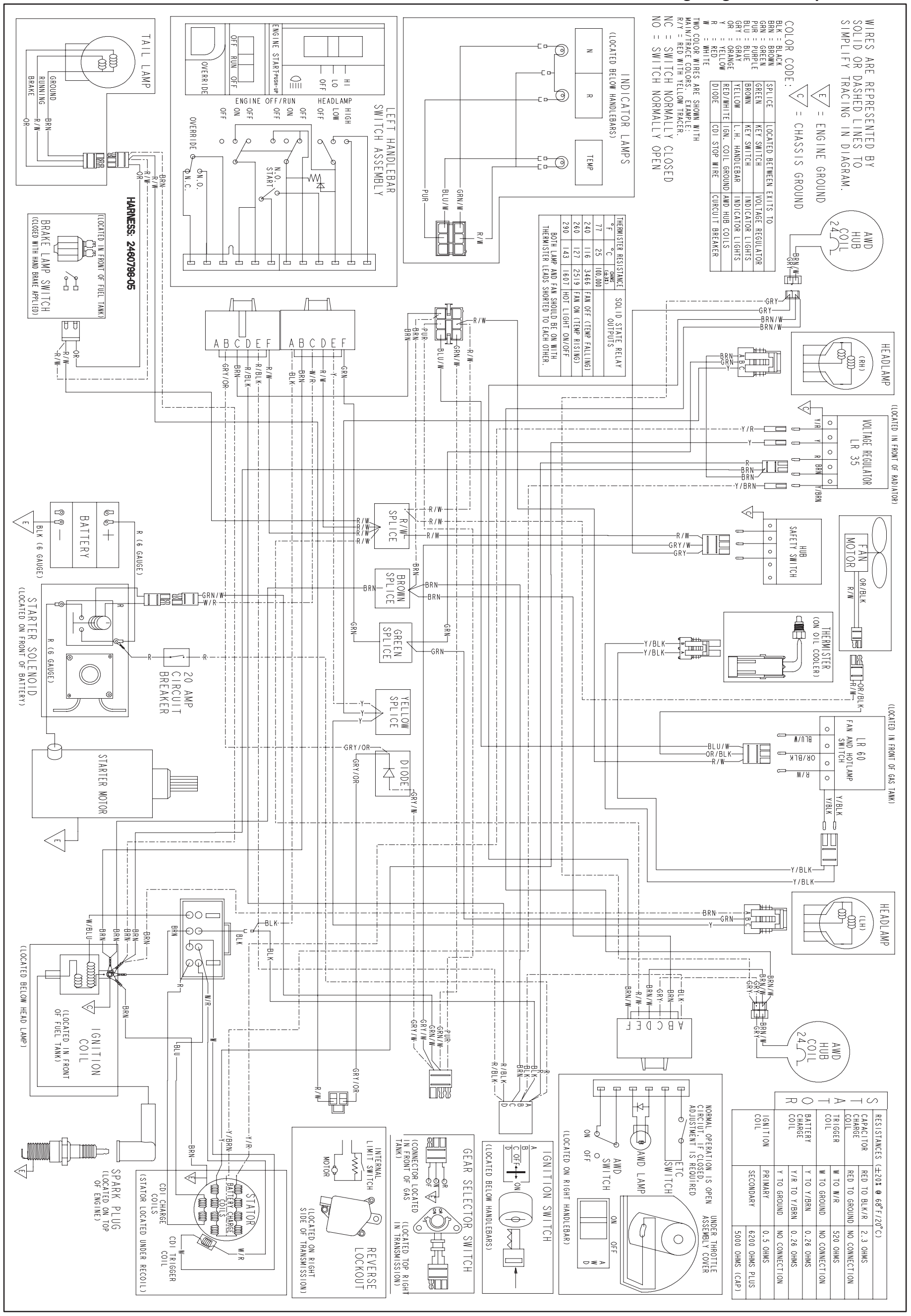
ELECTRICAL
Wiring Diagram 2000 Trail Boss 325



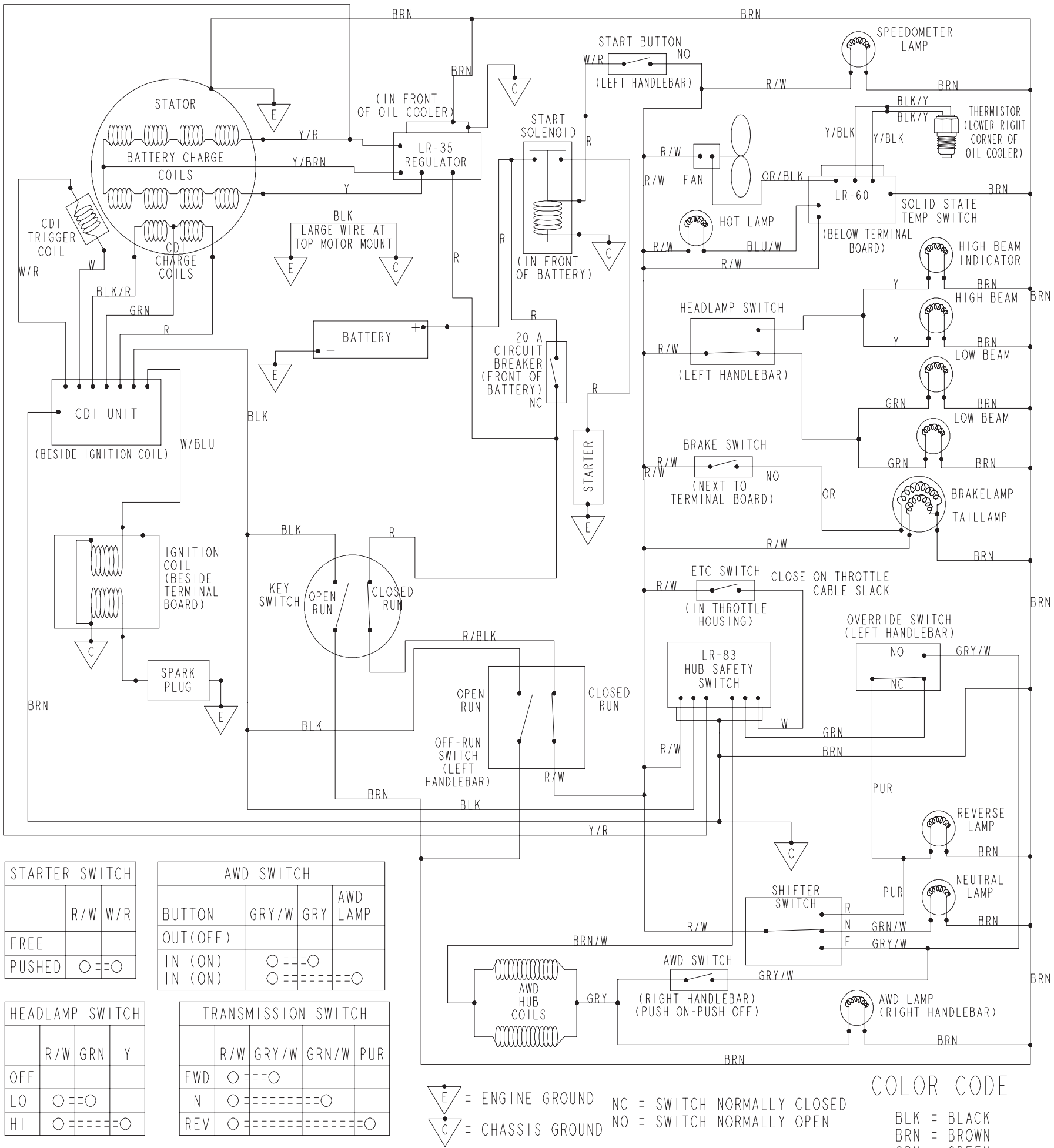

WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
E = ENGINE GROUND
C = CHASSIS GROUND
SPLICE | LOCATED IN HARNESS BETWEEN EXITS TO
GRAY/WHITE | CDI BOX | CIRCUIT BREAKER
RED/WHITE | HUB COILS | CHASSIS GROUND
YELLOW | INDICATOR LIGHTS | KEY SWITCH
GREEN | KEY SWITCH | SPEED LIMITER
BROWN | KEY SWITCH | SPEED LIMITER
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
TEMP
LEFT HANDLEBAR SWITCH ASSEMBLY
OVERRIDE
OFF RUN OFF
ENGINE START PUSH-UP
HI
LO
OFF
HEADLAMP
ENGINE OFF/RUN
HEADLAMP HIGH LOW OFF
OFF ON OFF
OFF ON OFF
OFF OFF
OVERRIDE
N.C.
N.O.
N.O. START
GRY/OR
GRY/W
PUR
R/BLK
R/W
BLK
BRN
W/R
R/W
Y
GRN
THERMISTER RESISTANCE
°F | °C | OHMS (±3%)
77 | 25 | 100,000
240 | 116 | 3466
260 | 127 | 2519
290 | 143 | 1607
SOLID STATE RELAY OUTPUTS
FAN OFF (TEMP FALLING)
FAN ON (TEMP RISING)
HOT LIGHT ON/OFF
BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTER LEADS SHORTED TO EACH OTHER.
TAIL LAMP
GROUND
RUNNING
BRAKE
BRN
R/W
OR
BRAKE LAMP SWITCH
(LOCATED IN FRONT OF FUEL TANK)
(CLOSED WITH HAND BRAKE APPLIED)
A B C D E F
BRN
PUR
R/W
GRN/W
BLU/W
GRY
BRN/W
Y/R
R
BRN
Y/BRN
HEADLAMP
(LOCATED IN FRONT OF GAS TANK)
VOLTAGE REGULATOR LR 35
REVERSE SPEED LIMITER
FAN MOTOR
(LOCATED RIGHT FRONT SIDE OF GAS TANK)
BLK
GRY/OR
OR/BLK
THERMISTER
(LOWER RIGHT CORNER OF OIL COOLER)
Y/BLK
LR 60
(LOCATED IN FRONT OF GAS TANK)
BLU/W
BATTERY
BLK (6 GAUGE)
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
20 AMP CIRCUIT BREAKER
STARTER MOTOR
BROWN SPLICE
YELLOW SPLICE
R/W SPLICE
GREEN SPLICE
GRY/W SPLICE
GRN
CDI BOX
BLK
W/BLU
W/R
BLK/R
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
STATOR
BATTERY CHARGE COILS
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
CDI TRIGGER COIL
BOTTOM TRANS SWITCH
TOP TRANS SWITCH
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
OFF
ON
L
N
H
R
ETC SWITCH
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
UNDER THROTTLE ASSEMBLY COVER
(LOCATED ON RIGHT HANDLEBAR)
STATOR
RESISTANCES (±20% @ 68°F/20°C)
CAPACITOR CHARGE COIL | RED TO BLK/R | 2.3 OHMS
TRIGGER COIL | RED TO GROUND | NO CONNECTION
BATTERY CHARGE COIL | W TO W/R | 520 OHMS
IGNITION COIL | W TO GROUND | NO CONNECTION
PRIMARY | Y TO Y/BRN | 0.26 OHMS
SECONDARY | Y/R TO Y/BRN | 0.26 OHMS
Y TO GROUND | NO CONNECTION
0.5 OHMS
6200 OHMS PLUS
5000 OHMS (CAP)

ELECTRICAL
Wiring Diagram 2000 Magnum 325 4x4




WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
E = ENGINE GROUND
C = CHASSIS GROUND
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
SPLICE | LOCATED BETWEEN EXITS TO
GREEN | KEY SWITCH | VOLTAGE REGULATOR
BROWN | KEY SWITCH | INDICATOR LIGHTS
YELLOW | L.H. HANDLEBAR | INDICATOR LIGHTS
RED/WHITE | IGN. COIL GROUND | AWD HUB COILS
DIODE | CDI STOP WIRE | CURCUIT BREAKER
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
TEMP
PUR
GRN/W
BLU/W
R/W
THERMISTER RESISTANCE
°F | °C | OHMS (±3%)
77 | 25 | 10,000
240 | 116 | 3466
260 | 127 | 2519
290 | 143 | 1607
BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTER LEADS SHORTED TO EACH OTHER.
SOLID STATE RELAY OUTPUTS
FAN OFF (TEMP FALLING)
FAN ON (TEMP RISING)
HOT LIGHT ON/OFF
LEFT HANDLEBAR SWITCH ASSEMBLY
ENGINE START (PUSH-UP)
OFF RUN OFF
OVERRIDE
HI
LO
OFF
ENGINE OFF/RUN
HEADLAMP
HIGH
LOW
OFF
ON
OFF
OFF
OFF
OVERRIDE
N.O.
N.C.
N.O. START
TAIL LAMP
GROUND
RUNNING
BRAKE
BRN
R/W
OR
HARNESS: 2460798-05
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
AWD HUB COIL 24Ω
BRN/W
GRY
HEADLAMP
(RH)
(LH)
GRY
BRN/W
BRN
GRN
Y
A B C
VOLTAGE REGULATOR LR 35
(LOCATED IN FRONT OF RADIATOR)
Y/R
Y
R
BRN
Y/BRN
HUB SAFETY SWITCH
FAN MOTOR
OR/BLK
R/W
GRY/W
THERMISTER (ON OIL COOLER)
Y/BLK
LR 60 FAN AND HOTLAMP SWITCH
(LOCATED IN FRONT OF GAS TANK)
BLU/W
OR/BLK
R/W
Y/BLK
BATTERY
BLK (6 GAUGE)
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
GRN/W
W/R
20 AMP CIRCUIT BREAKER
R/W SPLICE
BROWN SPLICE
GREEN SPLICE
YELLOW SPLICE
DIODE
GRY/OR
GRY/W
STARTER MOTOR
IGNITION COIL
(LOCATED IN FRONT OF FUEL TANK)
(LOCATED BELOW HEAD LAMP)
W/BLU
BLK
W/R
BLU
Y/BRN
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
STATOR
BATTERY CHARGE COILS
CDI CHARGE COILS
CDI TRIGGER COIL
(STATOR LOCATED UNDER RECOIL)
INTERNAL LIMIT SWITCH
MOTOR
REVERSE LOCKOUT
(LOCATED ON RIGHT SIDE OF TRANSMISSION)
GEAR SELECTOR SWITCH
(CONNECTOR LOCATED IN FRONT OF GAS TANK)
(LOCATED TOP RIGHT IN TRANSMISSION)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
UNDER THROTTLE ASSEMBLY COVER
ETC SWITCH
AWD LAMP
AWD SWITCH
(LOCATED ON RIGHT HANDLEBAR)
STATOR
RESISTANCES (±20% @ 68°F/20°C)
CAPACITOR CHARGE COIL | RED TO BLK/R | 2.3 OHMS
TRIGGER COIL | RED TO GROUND | NO CONNECTION
W TO W/R | 520 OHMS
BATTERY CHARGE COIL | W TO GROUND | NO CONNECTION
Y TO Y/BRN | 0.26 OHMS
Y/R TO Y/BRN | 0.26 OHMS
Y TO GROUND | NO CONNECTION
IGNITION COIL | PRIMARY | 0.5 OHMS
SECONDARY | 6200 OHMS PLUS 5000 OHMS (CAP)

ELECTRICAL
Wiring Diagram 2000 Sportsman 335 (Early)



STARTER SWITCH		
	R/W	W/R
FREE		
PUSHED	O==O	

AWD SWITCH			
BUTTON	GRY/W	GRY	AWD LAMP
OUT(OFF)			
IN (ON)	O==O		
IN (ON)	O==========O		

HEADLAMP SWITCH			
	R/W	GRN	Y
OFF			
LO	O==O		
HI	O=====O		

TRANSMISSION SWITCH				
	R/W	GRY/W	GRN/W	PUR
FWD	O===O			
N	O=========O			
REV	O=========O			O

E = ENGINE GROUND
C = CHASSIS GROUND

NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN

COLOR CODE

BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE

TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.

AUX SHUT OFF SWITCH				
	BLK	BRN	R/W	R/BLK
OFF	O==O			
RUN			O===O	

KEY SWITCH				
	BLK	BRN	R/BLK	R
OFF	O==O			
ON			O==O	

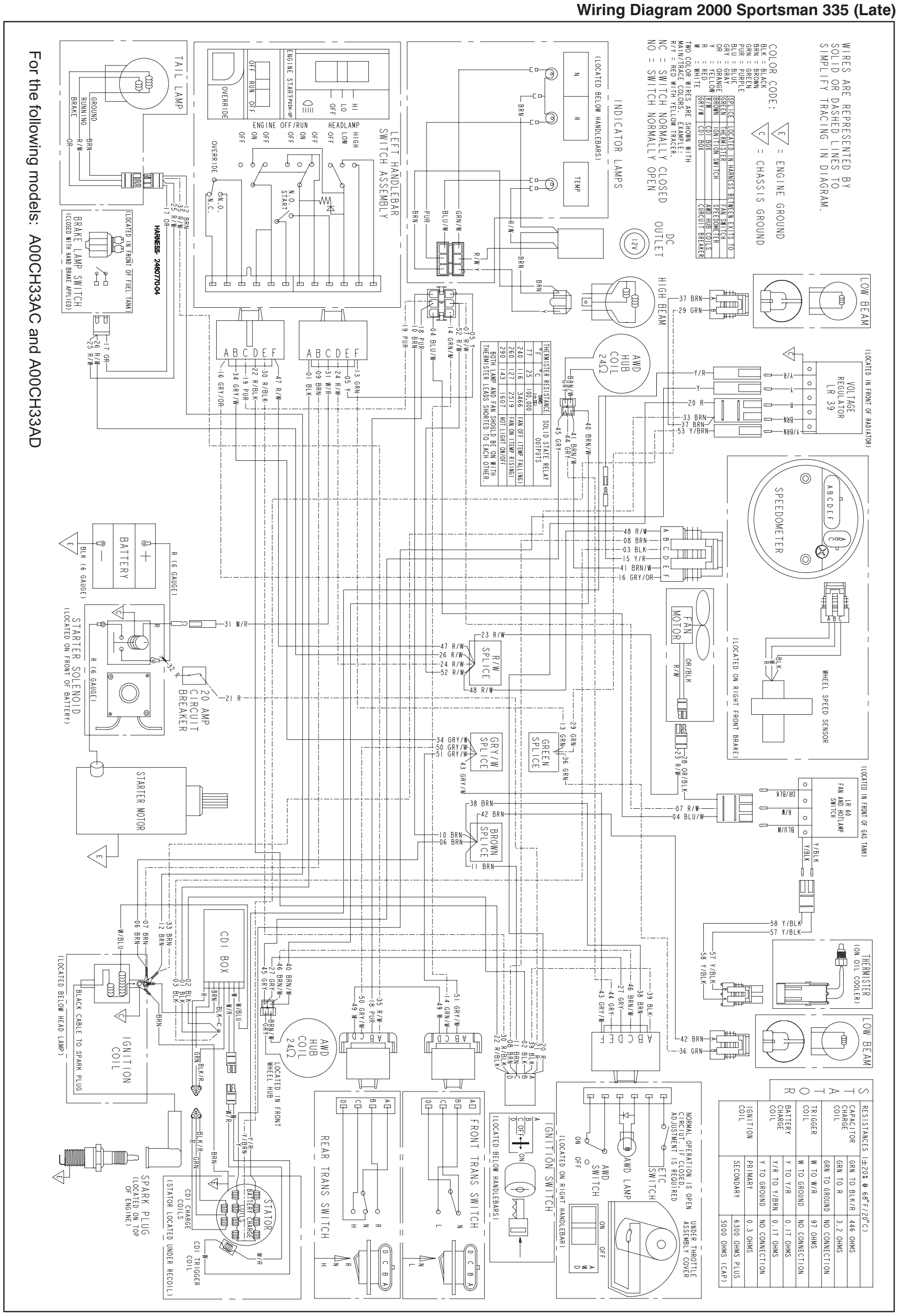
OVERRIDE SWITCH			
	PUR	GRY/W	GRN
FREE	O=======O		
PUSHED	O===O		

ETC SWITCH		
	R/W	W
NORMAL		
FAULT	O==O	

THERMISTER RESISTANCE			SOLID STATE RELAY OUTPUTS
°F	°C	OHMS (±3%)	
77	25	100,000	
240	116	3466	FAN OFF (TEMP FALLING)
260	127	2519	FAN ON (TEMP RISING)
290	143	1607	HOT LIGHT ON/OFF
BOTH LAMP AND FAN SHOULD BE ON WITH THERMISTER LEADS SHORTED TO EACH OTHER. CHECK THAT FAN ROTATION DIRECTION IS CLOCKWISE VIEWED FROM FRONT OF ATV.			

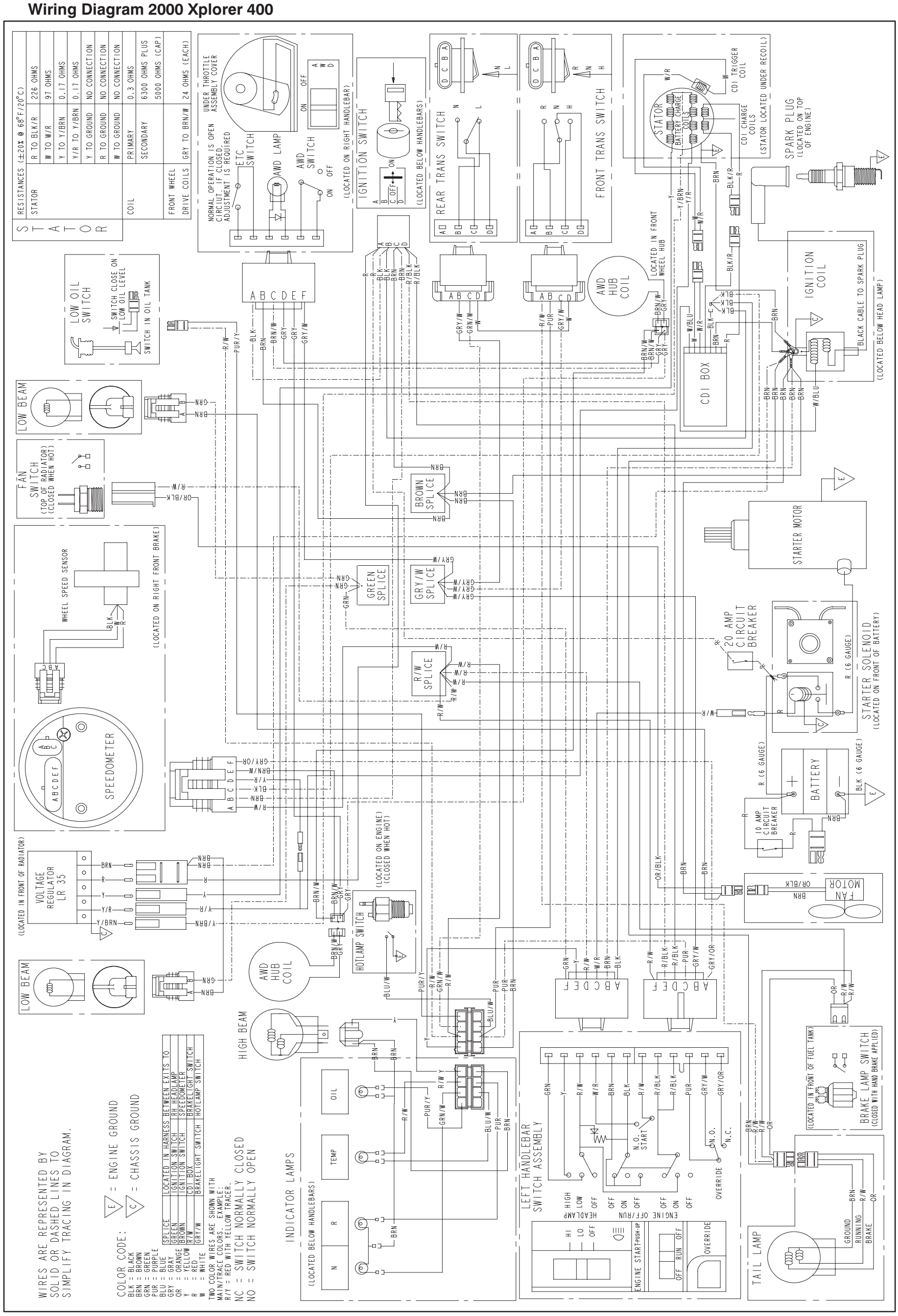
STATOR	RESISTANCES (±20% @ 68°F/20°C)		
	CAPACITOR CHARGE COIL	GRN TO BLK/R	446 OHMS
		GRN TO R	3.2 OHMS
		GRN TO GROUND	NO CONNECTION
	TRIGGER COIL	W TO W/R	97 OHMS
		W TO GROUND	NO CONNECTION
	BATTERY CHARGE COIL	Y TO Y/BRN	0.17 OHMS
		Y/R TO Y/BRN	0.17 OHMS
		Y TO GROUND	NO CONNECTION
	IGNITION COIL	PRIMARY	0.3 OHMS
		SECONDARY	6300 OHMS PLUS 5000 OHMS (CAP)
	FRONT WHEEL DRIVE COILS	GRY TO BRN	24 OHMS (EACH)

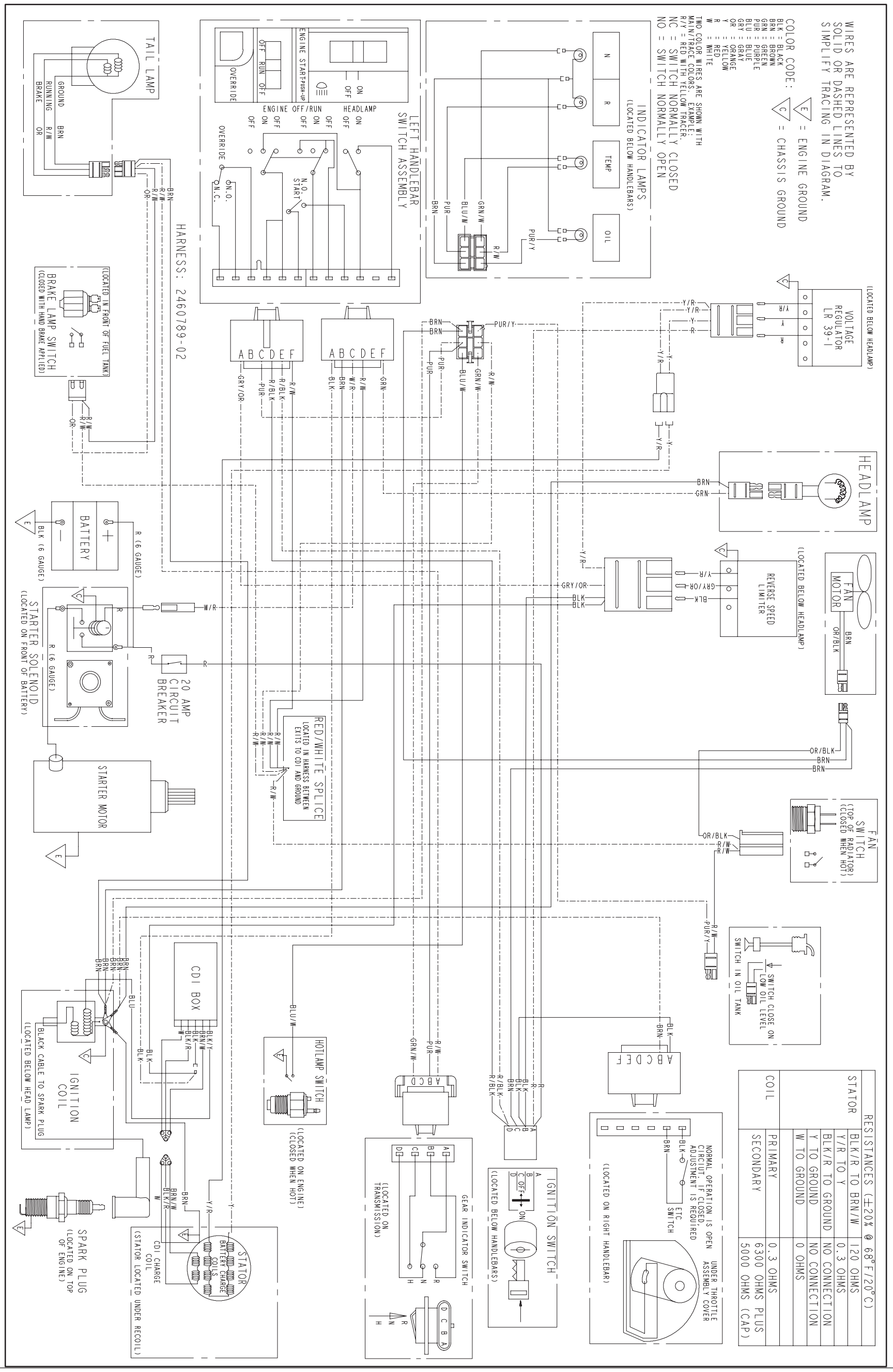
Wiring Diagram 2000 Sportsman 335 (Late)



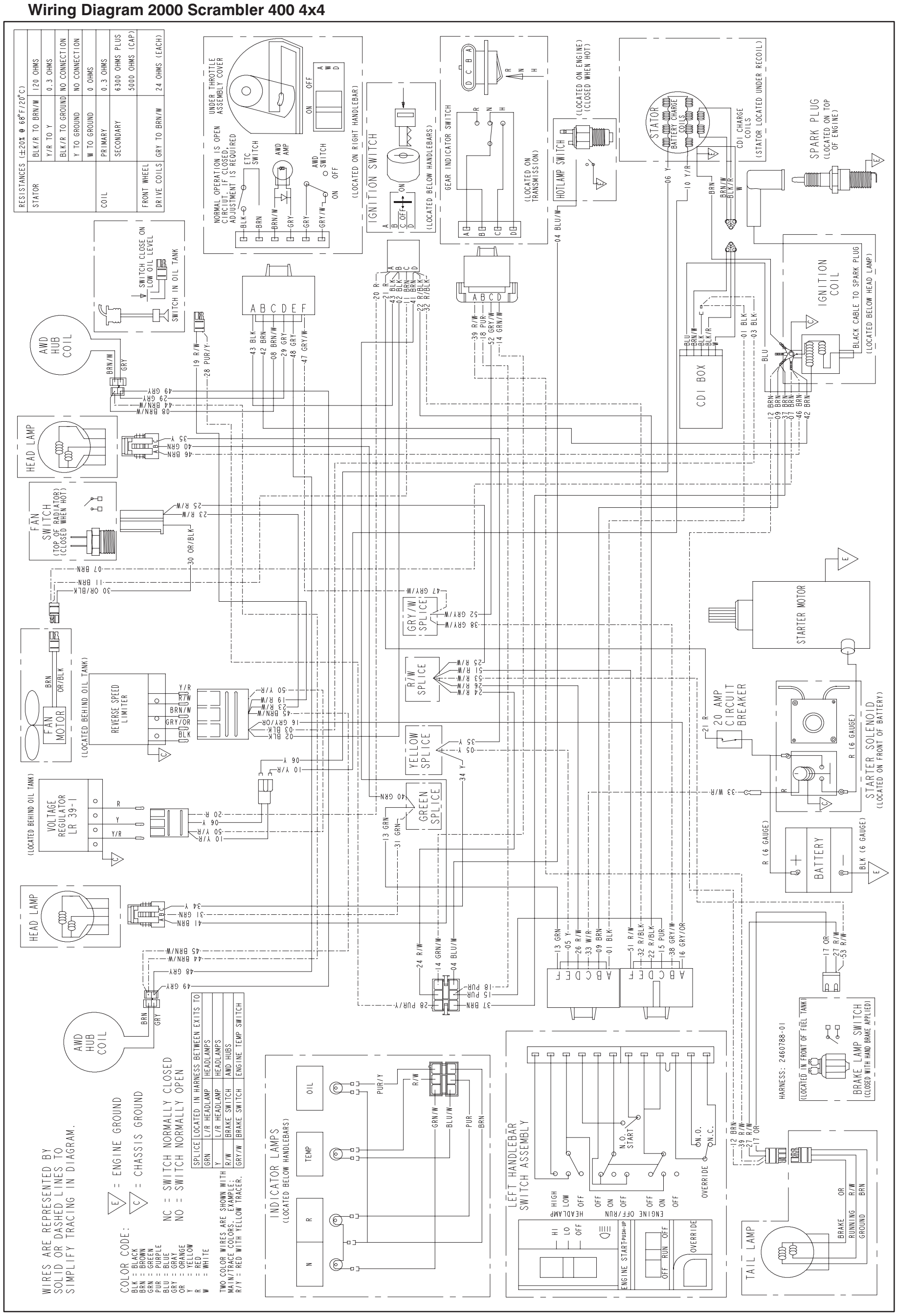
For the following models: A00CH33AC and A00CH33AD

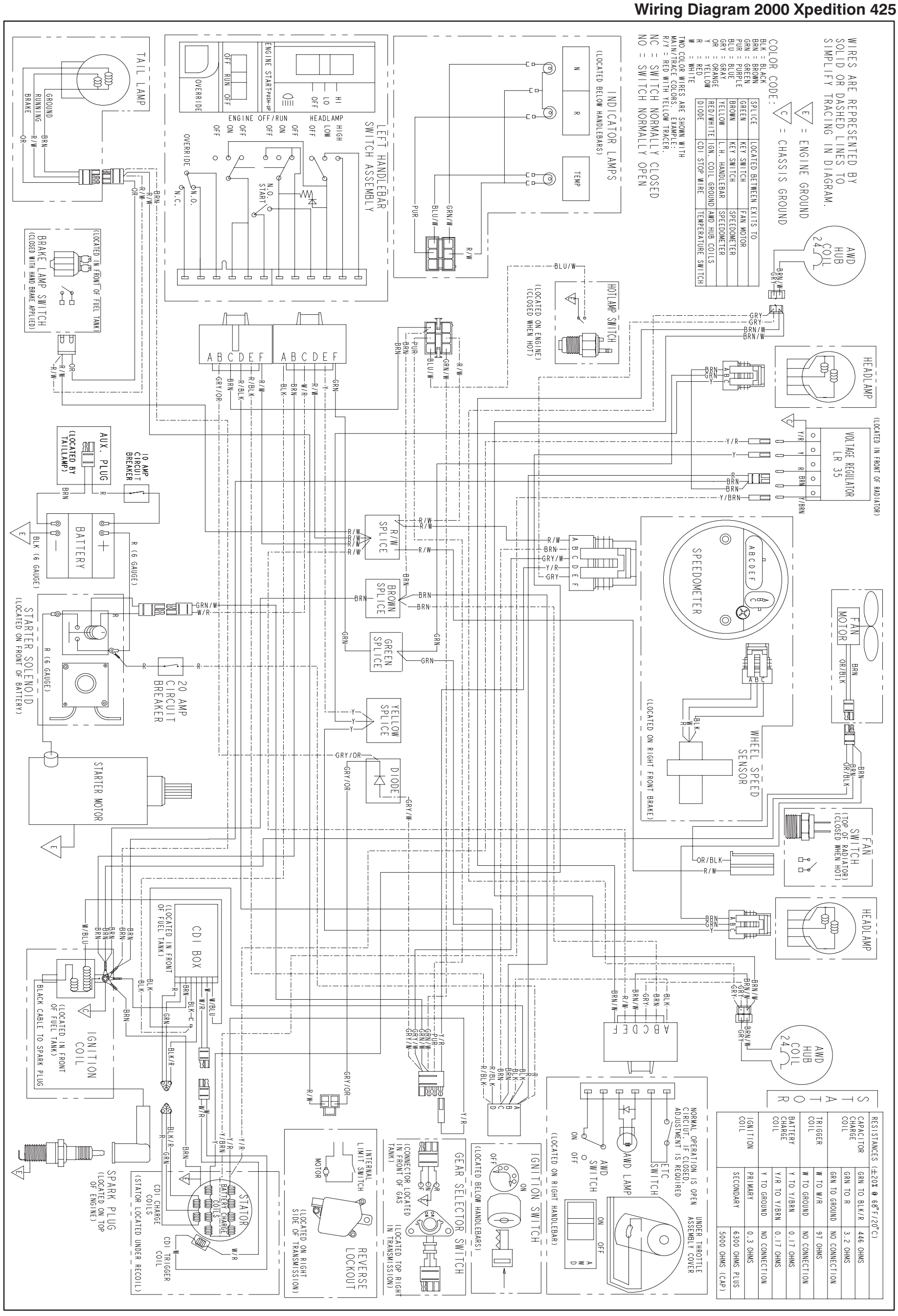
ELECTRICAL
Wiring Diagram 2000 Xplorer 400



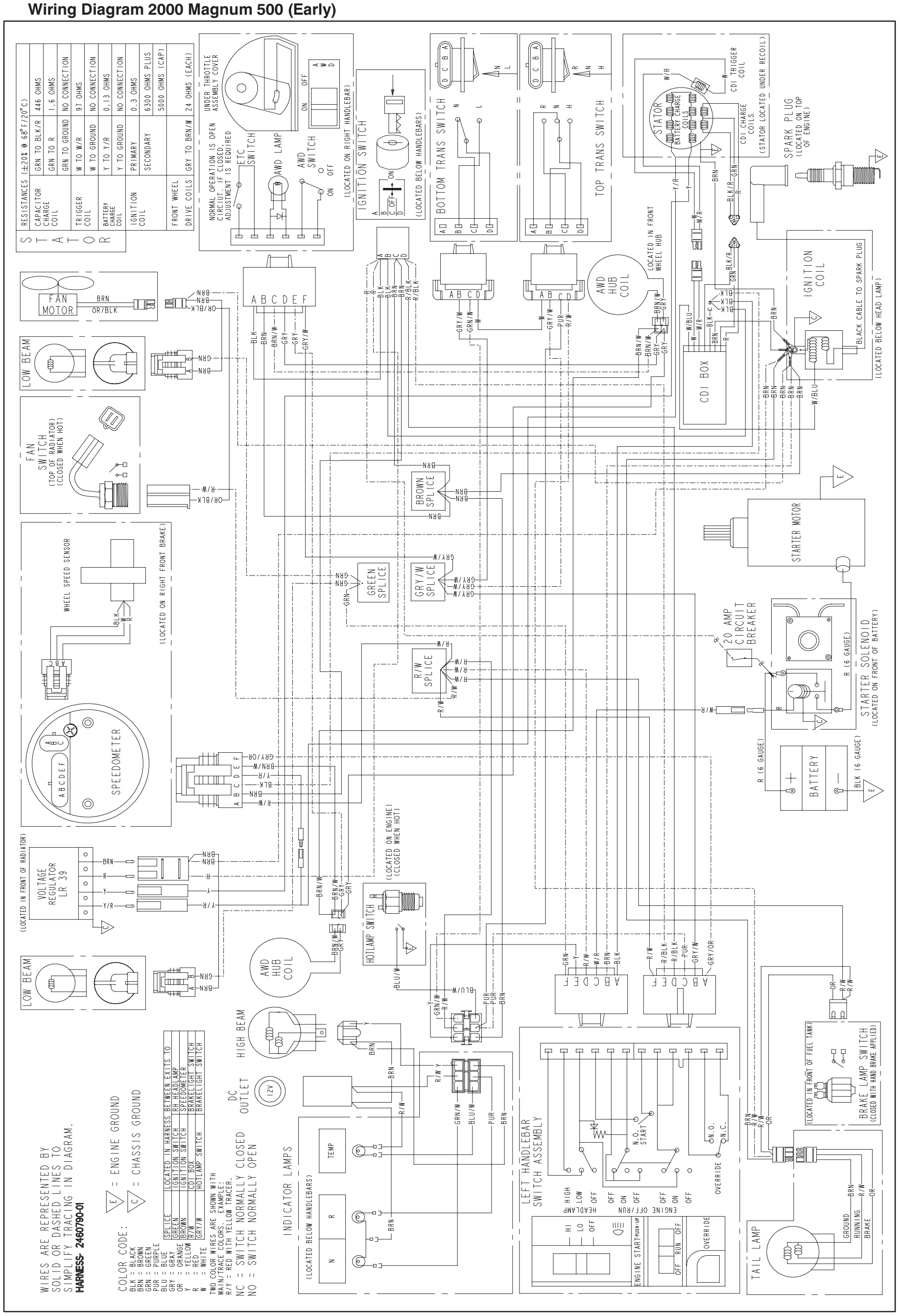

WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
= ENGINE GROUND
= CHASSIS GROUND
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
TEMP
OIL
LEFT HANDLEBAR SWITCH ASSEMBLY
ENGINE STARTPush-UP
OFF RUN OFF
ON
OFF
OVERRIDE
ENGINE OFF/RUN
HEADLAMP
N.O. START
N.O.
N.C.
TAIL LAMP
GROUND
RUNNING
BRAKE
BRN
R/W
OR
HARNESS: 2460789-02
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
BATTERY
BLK (6 GAUGE)
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
20 AMP CIRCUIT BREAKER
W/R
STARTER MOTOR
RED/WHITE SPLICE
LOCATED IN HARNESS BETWEEN EXITS TO CDI AND GROUND
A B C D E F
VOLTAGE REGULATOR LR 39-1
(LOCATED BELOW HEADLAMP)
Y/R
Y
R
HEADLAMP
BRN
GRN
REVERSE SPEED LIMITER
(LOCATED BELOW HEADLAMP)
GRY/OR
BLK
FAN MOTOR
OR/BLK
FAN SWITCH
(TOP OF RADIATOR)
(CLOSED WHEN HOT)
SWITCH CLOSE ON LOW OIL LEVEL
SWITCH IN OIL TANK
CDI BOX
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
CDI CHARGE COIL
(STATOR LOCATED UNDER RECOIL)
STATOR
BATTERY CHARGE COILS
HOTLAMP SWITCH
(LOCATED ON ENGINE)
(CLOSED WHEN HOT)
GEAR INDICATOR SWITCH
(LOCATED ON TRANSMISSION)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
ETC SWITCH
(LOCATED ON RIGHT HANDLEBAR)
UNDER THROTTLE ASSEMBLY COVER
RESISTANCES (±20% @ 68°F/20°C)
STATOR
BLK/R TO BRN/W 120 OHMS
Y/R TO Y 0.3 OHMS
BLK/R TO GROUND NO CONNECTION
Y TO GROUND NO CONNECTION
W TO GROUND 0 OHMS
COIL
PRIMARY 0.3 OHMS
SECONDARY 6300 OHMS PLUS 5000 OHMS (CAP)

ELECTRICAL
Wiring Diagram 2000 Scrambler 400 4x4

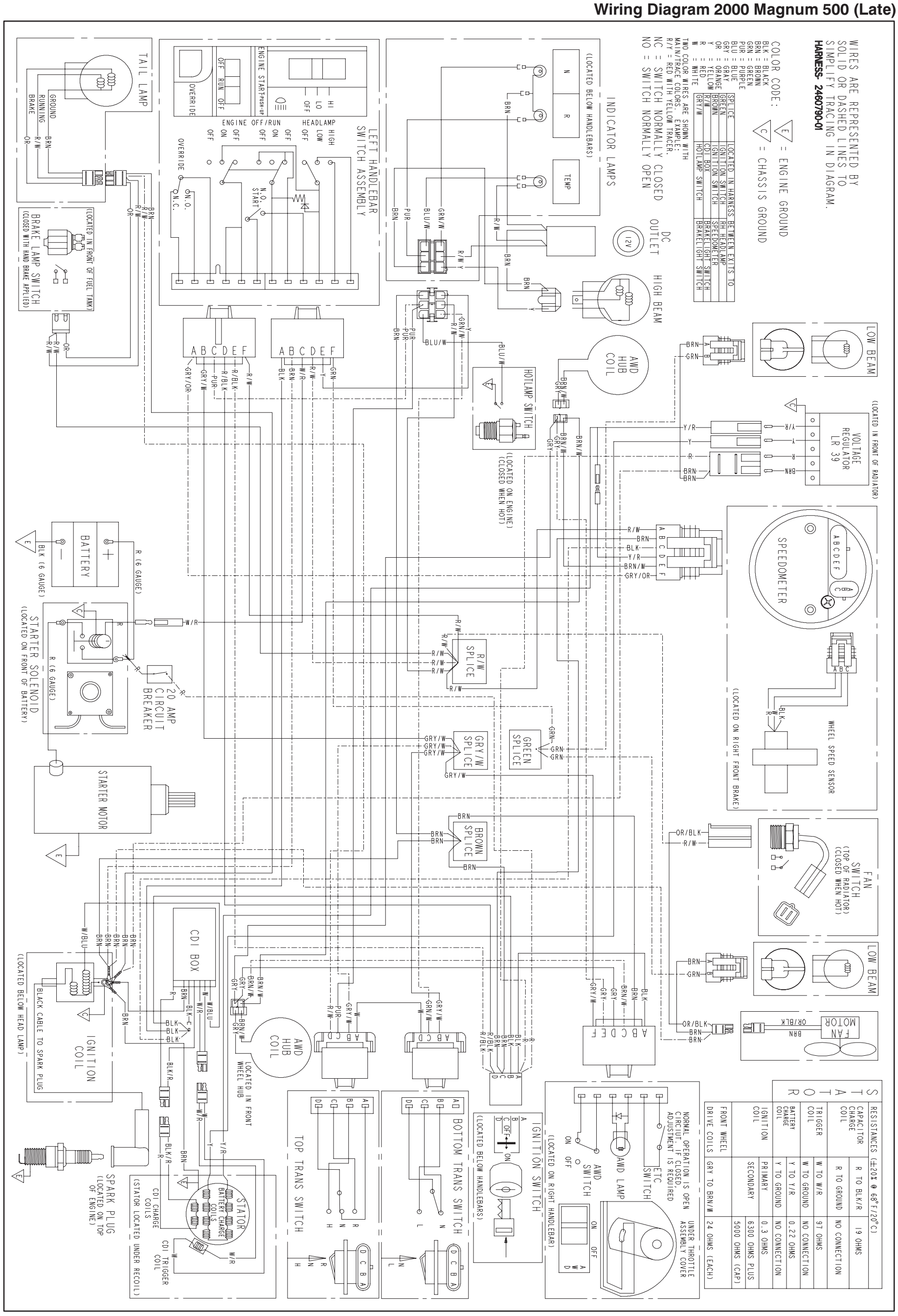



WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
E = ENGINE GROUND
C = CHASSIS GROUND
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
SPLICE | LOCATED BETWEEN EXITS TO
GREEN | KEY SWITCH | FAN MOTOR
BROWN | KEY SWITCH | SPEEDOMETER
YELLOW | L.H. HANDLEBAR | SPEEDOMETER
RED/WHITE | IGN. COIL GROUND | AWD HUB COILS
DIODE | CDI STOP WIRE | TEMPERATURE SWITCH
AWD HUB COIL 24Ω
HEADLAMP
VOLTAGE REGULATOR LR 35
(LOCATED IN FRONT OF RADIATOR)
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
TEMP
LEFT HANDLEBAR SWITCH ASSEMBLY
OVERRIDE
OFF RUN OFF
ENGINE START PUSH-UP
ENGINE OFF/RUN
HEADLAMP
HI
LO
OFF
HIGH
LOW
N.O. START
N.O.
N.C.
HOTLAMP SWITCH
(LOCATED ON ENGINE)
(CLOSED WHEN HOT)
TAIL LAMP
GROUND
RUNNING
BRAKE
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
A B C D E F
AUX. PLUG
(LOCATED BY TAILLAMP)
10 AMP CIRCUIT BREAKER
BATTERY
BLK (6 GAUGE)
R (6 GAUGE)
R/W SPLICE
BROWN SPLICE
GREEN SPLICE
YELLOW SPLICE
DIODE
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
20 AMP CIRCUIT BREAKER
STARTER MOTOR
SPEEDOMETER
(LOCATED ON RIGHT FRONT BRAKE)
WHEEL SPEED SENSOR
FAN MOTOR
FAN SWITCH
(TOP OF RADIATOR)
(CLOSED WHEN HOT)
CDI BOX
(LOCATED IN FRONT OF FUEL TANK)
IGNITION COIL
(LOCATED IN FRONT OF FUEL TANK)
BLACK CABLE TO SPARK PLUG
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
STATOR
BATTERY CHARGE COILS
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
CDI TRIGGER COIL
INTERNAL LIMIT SWITCH
MOTOR
REVERSE LOCKOUT
(LOCATED ON RIGHT SIDE OF TRANSMISSION)
GEAR SELECTOR SWITCH
(CONNECTOR LOCATED IN FRONT OF GAS TANK)
(LOCATED TOP RIGHT IN TRANSMISSION)
IGNITION SWITCH
ON
OFF
(LOCATED BELOW HANDLEBARS)
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
(LOCATED ON RIGHT HANDLEBAR)
UNDER THROTTLE ASSEMBLY COVER
AWD SWITCH
AWD LAMP
ETC SWITCH
STATOR
RESISTANCES (±20% @ 68°F/20°C)
CAPACITOR CHARGE COIL | GRN TO BLK/R | 446 OHMS
GRN TO R | 3.2 OHMS
GRN TO GROUND | NO CONNECTION
TRIGGER COIL | W TO W/R | 97 OHMS
W TO GROUND | NO CONNECTION
BATTERY CHARGE COIL | Y TO Y/BRN | 0.17 OHMS
Y/R TO Y/BRN | 0.17 OHMS
IGNITION COIL | PRIMARY | Y TO GROUND | NO CONNECTION
PRIMARY | 0.3 OHMS
SECONDARY | 6300 OHMS PLUS 5000 OHMS (CAP)

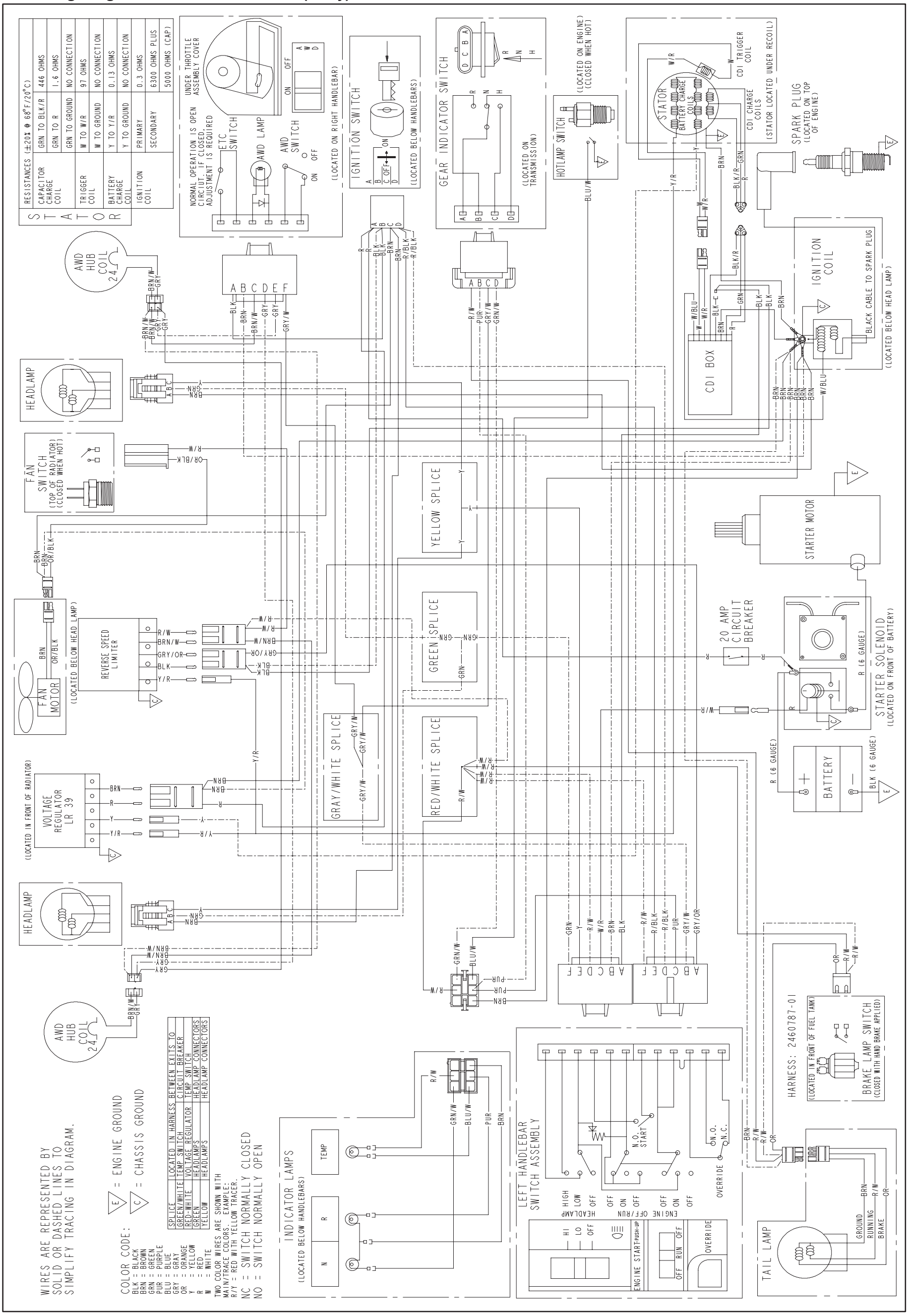
ELECTRICAL
Wiring Diagram 2000 Magnum 500 (Early)

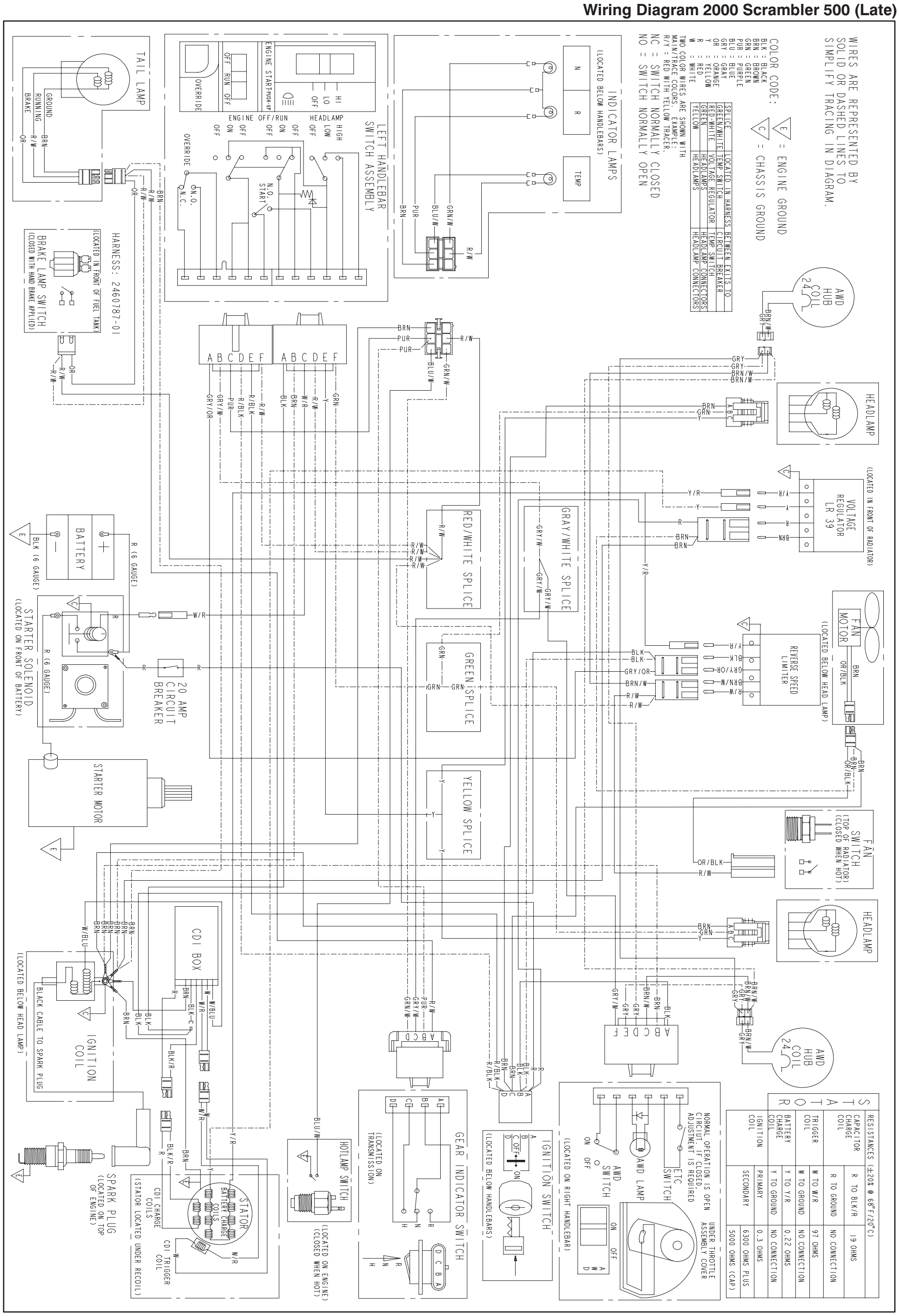


Wiring Diagram 2000 Magnum 500 (Late)

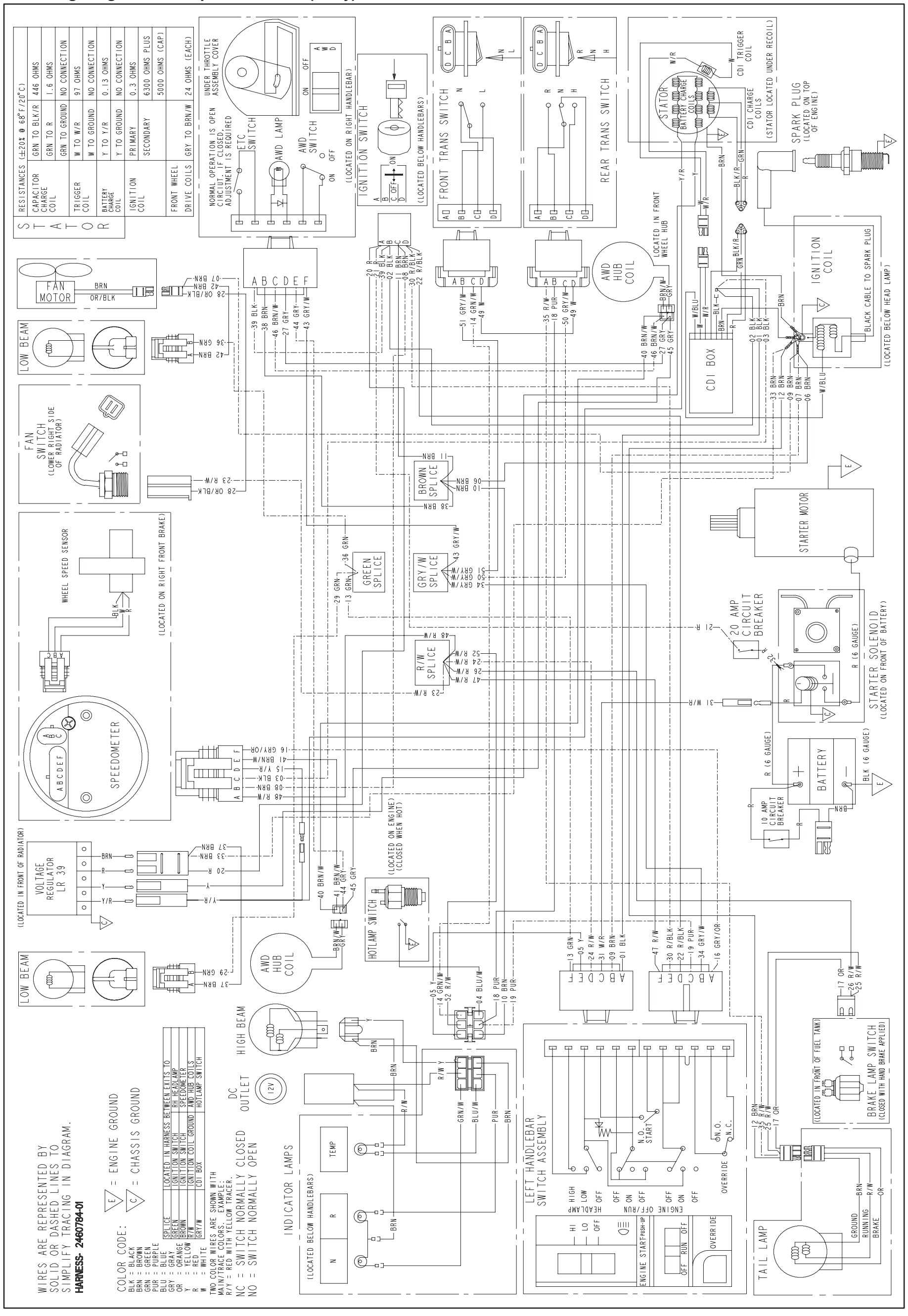


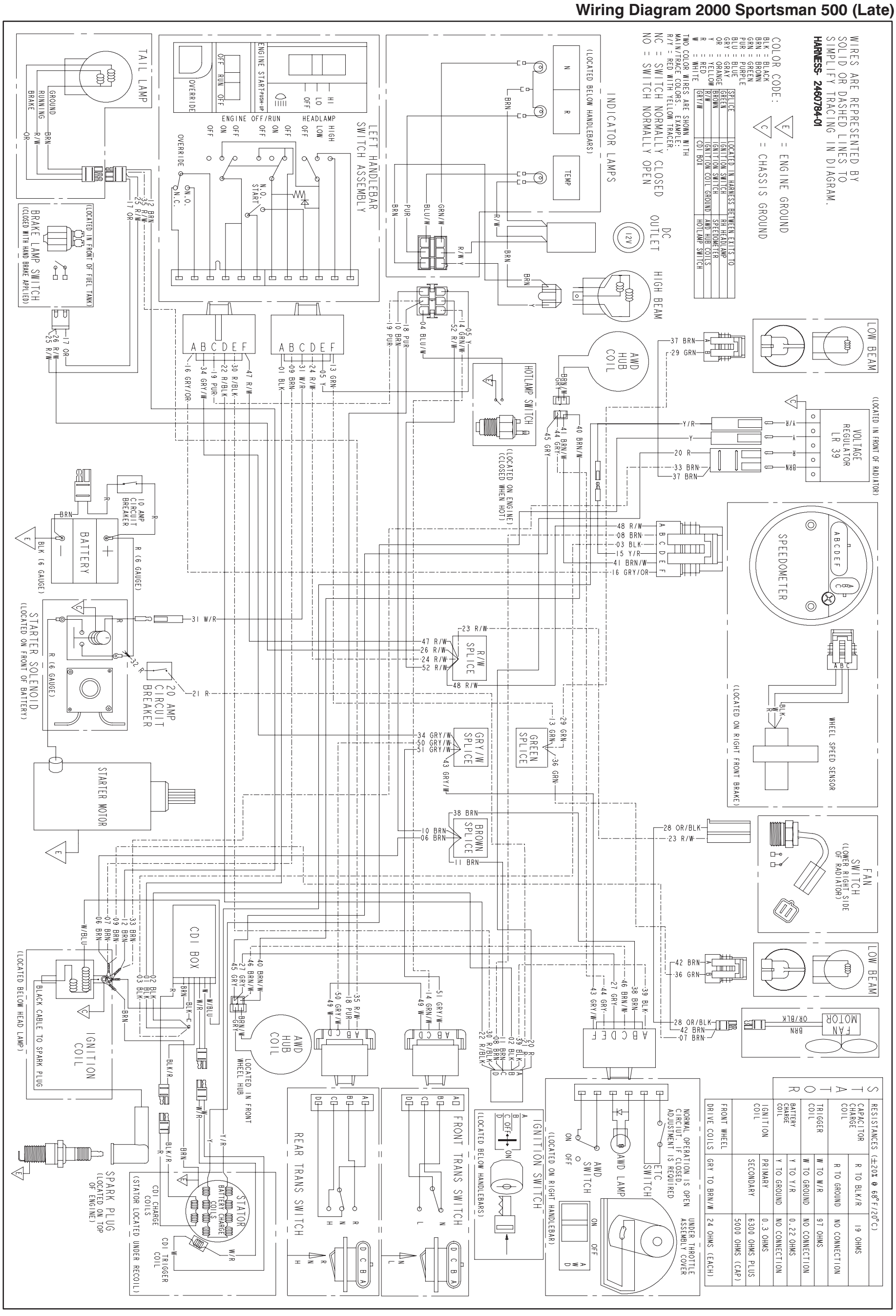
ELECTRICAL
Wiring Diagram 2000 Scrambler 500 (Early)




WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
E = ENGINE GROUND
C = CHASSIS GROUND
SPLICE | LOCATED IN HARNESS BETWEEN EXITS TO
GREEN/WHITE | TEMP SWITCH | CIRCUIT BREAKER
RED-WHITE | VOLTAGE REGULATOR | TEMP SWITCH
GREEN | HEADLAMPS | HEADLAMP CONNECTORS
YELLOW | HEADLAMPS | HEADLAMP CONNECTORS
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
TEMP
LEFT HANDLEBAR SWITCH ASSEMBLY
OVERRIDE
OFF RUN OFF
ENGINE START PUSH-UP
HI
LO
OFF
ENGINE OFF/RUN
HEADLAMP
OFF ON OFF
OFF OFF ON OFF
LOW HIGH
N.O. START
N.O.
N.C.
TAIL LAMP
GROUND
RUNNING
BRAKE
HARNESS: 2460787-01
(LOCATED IN FRONT OF FUEL TANK)
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
A B C D E F
A B C D E F
AWD HUB COIL 24
HEADLAMP
VOLTAGE REGULATOR LR 39
(LOCATED IN FRONT OF RADIATOR)
FAN MOTOR
(LOCATED BELOW HEAD LAMP)
REVERSE SPEED LIMITER
FAN SWITCH
(TOP OF RADIATOR)
(CLOSED WHEN HOT)
BATTERY
BLK (6 GAUGE)
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
20 AMP CIRCUIT BREAKER
STARTER MOTOR
RED/WHITE SPLICE
GRAY/WHITE SPLICE
GREEN SPLICE
YELLOW SPLICE
CDI BOX
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
STATOR
BATTERY CHARGE COILS
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
CDI TRIGGER COIL
HOTLAMP SWITCH
(LOCATED ON ENGINE)
(CLOSED WHEN HOT)
GEAR INDICATOR SWITCH
(LOCATED ON TRANSMISSION)
IGNITION SWITCH
(LOCATED BELOW HANDLEBARS)
AWD LAMP
ETC SWITCH
AWD SWITCH
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
(LOCATED ON RIGHT HANDLEBAR)
UNDER THROTTLE ASSEMBLY COVER
STATOR
RESISTANCES (±20% @ 68°F/20°C)
CAPACITOR CHARGE COIL | R TO BLK/R | 19 OHMS
R TO GROUND | NO CONNECTION
TRIGGER COIL | W TO W/R | 97 OHMS
W TO GROUND | NO CONNECTION
BATTERY CHARGE COIL | Y TO Y/R | 0.22 OHMS
Y TO GROUND | NO CONNECTION
IGNITION COIL | PRIMARY | 0.3 OHMS
SECONDARY | 6300 OHMS PLUS 5000 OHMS (CAP)

ELECTRICAL
Wiring Diagram 2000 Sportsman 500 (Early)




WIRES ARE REPRESENTED BY SOLID OR DASHED LINES TO SIMPLIFY TRACING IN DIAGRAM.
HARNESS- 2460784-01
COLOR CODE:
BLK = BLACK
BRN = BROWN
GRN = GREEN
PUR = PURPLE
BLU = BLUE
GRY = GRAY
OR = ORANGE
Y = YELLOW
R = RED
W = WHITE
TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.
NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN
= ENGINE GROUND
= CHASSIS GROUND
SPLICE LOCATED IN HARNESS BETWEEN EXITS TO
GREEN IGNITION SWITCH RH HEADLAMP
BROWN IGNITION SWITCH SPEEDOMETER
R/W IGNITION SWITCH AWD HUB COILS
GRY/W IGNITION COIL GROUND HOTLAMP SWITCH
CDI BOX
LOW BEAM
HIGH BEAM
DC OUTLET
INDICATOR LAMPS
(LOCATED BELOW HANDLEBARS)
N
R
TEMP
LEFT HANDLEBAR SWITCH ASSEMBLY
ENGINE START PUSH-UP
OFF RUN OFF
OVERRIDE
HI
LO
OFF
ENGINE OFF/RUN
HEADLAMP
HIGH
LOW
OFF
ON
START
N.O.
N.C.
TAIL LAMP
GROUND
RUNNING
BRAKE
BRAKE LAMP SWITCH
(CLOSED WITH HAND BRAKE APPLIED)
(LOCATED IN FRONT OF FUEL TANK)
HOTLAMP SWITCH
(LOCATED ON ENGINE)
(CLOSED WHEN HOT)
VOLTAGE REGULATOR LR 39
(LOCATED IN FRONT OF RADIATOR)
AWD HUB COIL
SPEEDOMETER
WHEEL SPEED SENSOR
(LOCATED ON RIGHT FRONT BRAKE)
FAN SWITCH
(LOWER RIGHT SIDE OF RADIATOR)
FAN MOTOR
BATTERY
10 AMP CIRCUIT BREAKER
BLK (6 GAUGE)
R (6 GAUGE)
STARTER SOLENOID
(LOCATED ON FRONT OF BATTERY)
20 AMP CIRCUIT BREAKER
STARTER MOTOR
R/W SPLICE
GRY/W SPLICE
GREEN SPLICE
BROWN SPLICE
CDI BOX
IGNITION COIL
BLACK CABLE TO SPARK PLUG
(LOCATED BELOW HEAD LAMP)
SPARK PLUG
(LOCATED ON TOP OF ENGINE)
STATOR
BATTERY CHARGE COILS
CDI CHARGE COILS
(STATOR LOCATED UNDER RECOIL)
CDI TRIGGER COIL
LOCATED IN FRONT WHEEL HUB
REAR TRANS SWITCH
FRONT TRANS SWITCH
IGNITION SWITCH
(LOCATED ON RIGHT HANDLEBAR)
(LOCATED BELOW HANDLEBARS)
NORMAL OPERATION IS OPEN CIRCUIT. IF CLOSED, ADJUSTMENT IS REQUIRED
UNDER THROTTLE ASSEMBLY COVER
ETC SWITCH
AWD SWITCH
AWD LAMP
STATOR
CAPACITOR CHARGE COIL R TO BLK/R 19 OHMS
TRIGGER COIL R TO GROUND NO CONNECTION
W TO W/R 97 OHMS
W TO GROUND NO CONNECTION
BATTERY CHARGE COIL Y TO Y/R 0.22 OHMS
Y TO GROUND NO CONNECTION
IGNITION COIL PRIMARY 0.3 OHMS
SECONDARY 6300 OHMS PLUS 5000 OHMS (CAP)
DRIVE COILS FRONT WHEEL GRY TO BRN/W 24 OHMS (EACH)
RESISTANCES (±20% @ 68°F/20°C)