

WIRING DIAGRAMS

MODEL	WIRING DIAGRAM PAGE	HEADLAMP (watt)	TAILLIGHT (watt)	ELECTRICAL SYSTEM OUTPUT (watt)
Elan	04-01-3	60/60	5/21	75/23
Safari Citation	04-01-4	60/60	5/21	160
Tundra, Tundra LT	04-01-4	60/60	5/21	160
Safari Citation E	04-01-5	60/60	5/21	160
Safari Scout	04-01-6	60/60	5/21	160
Safari Cheyenne	04-01-6	60/60	5/21	160
Safari Scout E	04-01-7	60/60	5/21	160
Safari Saga	04-01-7	60/60	5/21	160
Safari Voyageur/Escapade	04-01-8	60/55 hal.	5/21	160
Formula MX/MX LT	04-01-9	60/60	5/21	160
Formula Plus/Plus LT/MACH I	04-01-9	60/55 hal.	5/21	160
Alpine II 503	04-01-10	60/60	5/21	160

hal.= halogen

CHART CODES

Wiring color code

The first color of a wire is the main color, second color is the stripe.

Example : YL/BK is a yellow wire with a black stripe.

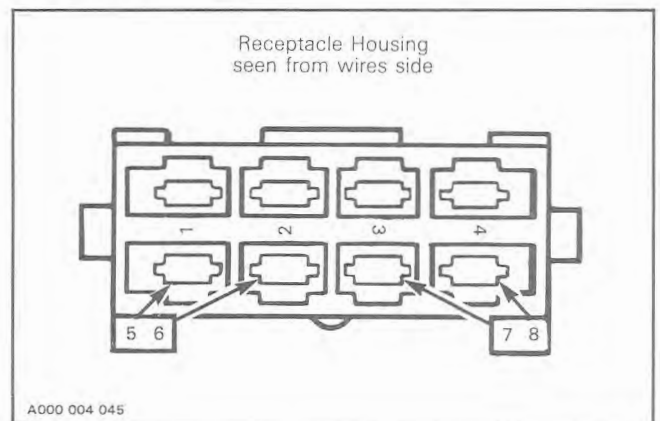
Color codes

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
BL — BLUE	OR — ORANGE
YL — YELLOW	BR — BROWN

8-circuit connector identification code

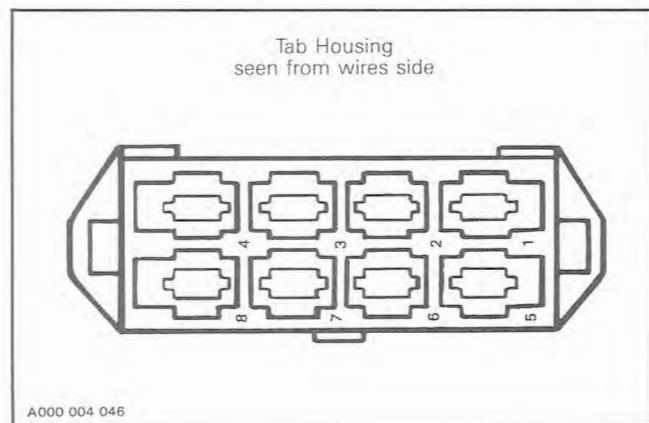
Numbers are printed on the back of the 8-circuit connector housings. They correspond to the numbers on the connectors in the electrical chart when applicable.

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



Section 04 ELECTRICAL

Sub-section 01 (WIRING DIAGRAMS)



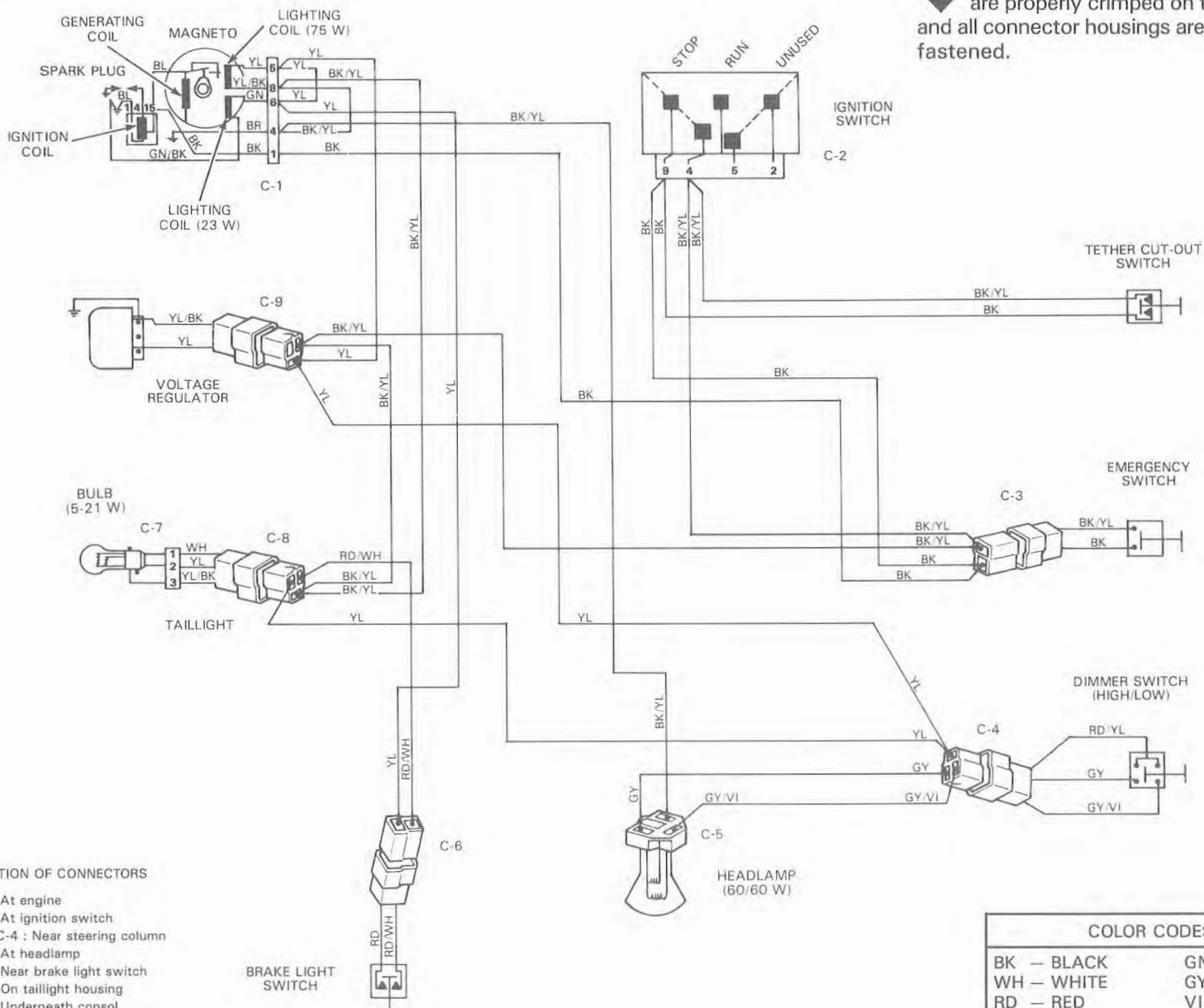
IMPORTANT: On all **electric start models** the snowmobile frame carries a negative direct current (DC) while all alternating current (AC) consumers (lights, heated grips, fuel gauge, etc.) utilize a separate ground wire.

Never interconnect AC and DC grounds as an AC voltage drop will result. When installing accessories on **any** snowmobile, connect their wires to the yellow and yellow/black lighting coil wires.

Even if **manual start models** have an AC ground to the chassis (on voltage regulator), all accessories utilize a separate ground wire also. When an electric starter kit is installed, the voltage regulator and its ground wire are replaced by a voltage rectifier/regulator unit permitting a completely insulated AC circuit.

Elan

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



LOCATION OF CONNECTORS

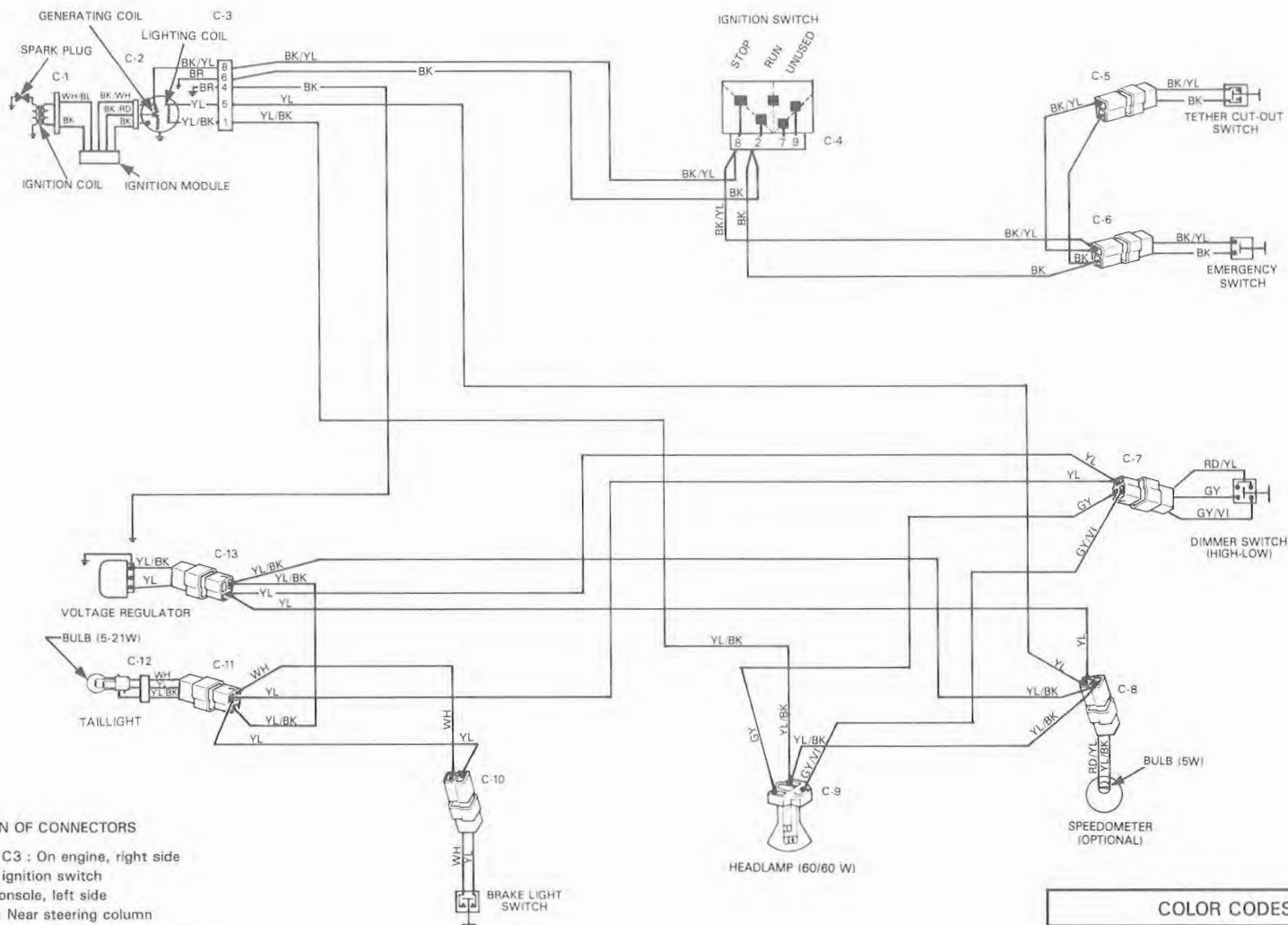
- C-1 : At engine
- C-2 : At ignition switch
- C-3, C-4 : Near steering column
- C-5 : At headlamp
- C-6 : Near brake light switch
- C-7 : On taillight housing
- C-8 : Underneath consol
- C-9 : On right side of steering support

COLOR CODES

BK - BLACK	GN - GREEN
WH - WHITE	GY - GREY
RD - RED	VI - VIOLET
BL - BLUE	OR - ORANGE
YL - YELLOW	BR - BROWN

Safari Citation Tundra Tundra LT

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



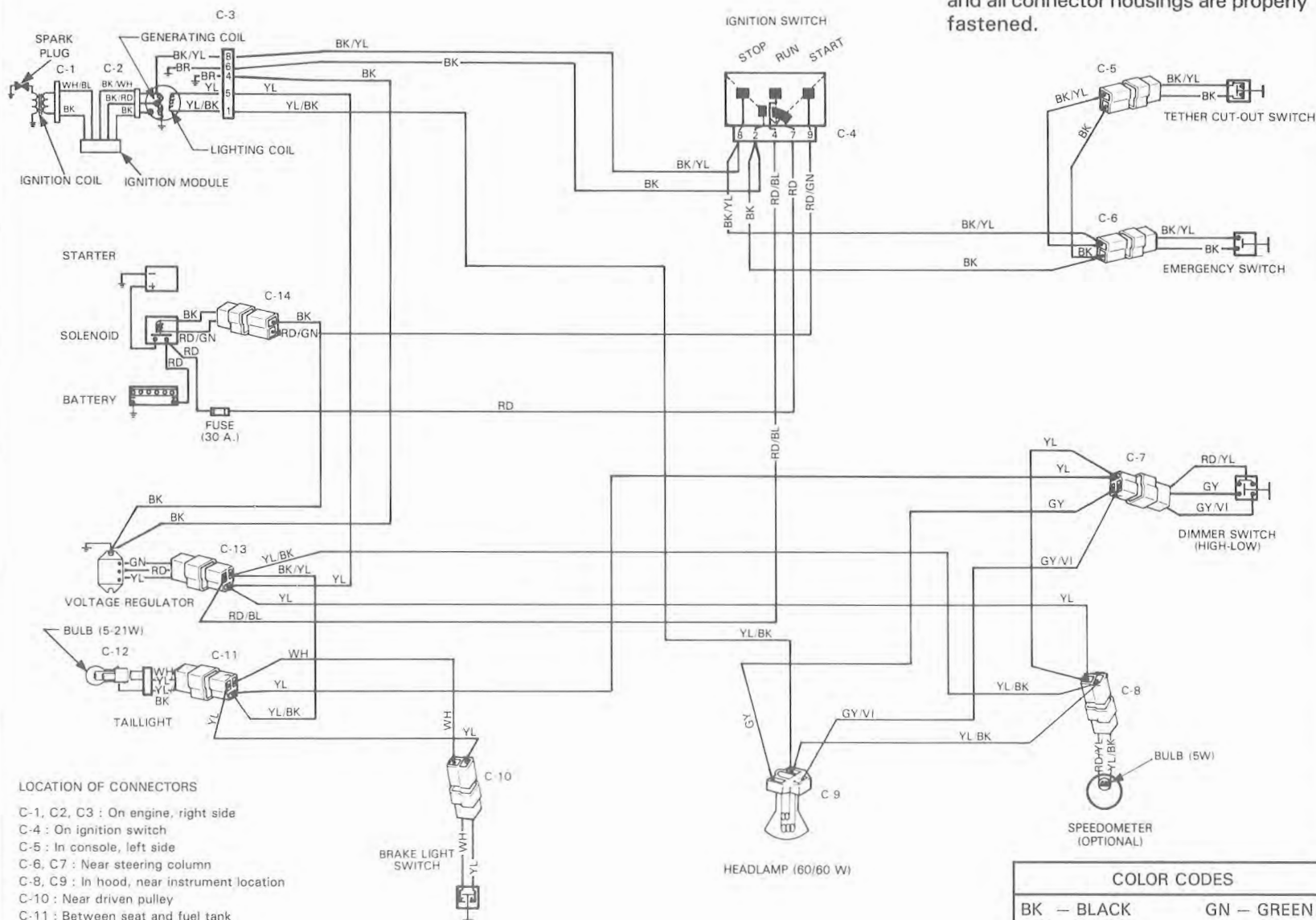
LOCATION OF CONNECTORS

- C-1, C-2, C-3 : On engine, right side
- C-4 : On ignition switch
- C-5, In console, left side
- C-6, C-7 : Near steering column
- C-8, C-9 : In hood, near instrument location
- C-10 : Near driven pulley
- C-11 : Between seat and fuel tank
- C-12 : On taillight
- C-13 : Near voltage regulator

COLOR CODES

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
BL — BLUE	OR — ORANGE
YL — YELLOW	BR — BROWN

Safari Citation E



LOCATION OF CONNECTORS

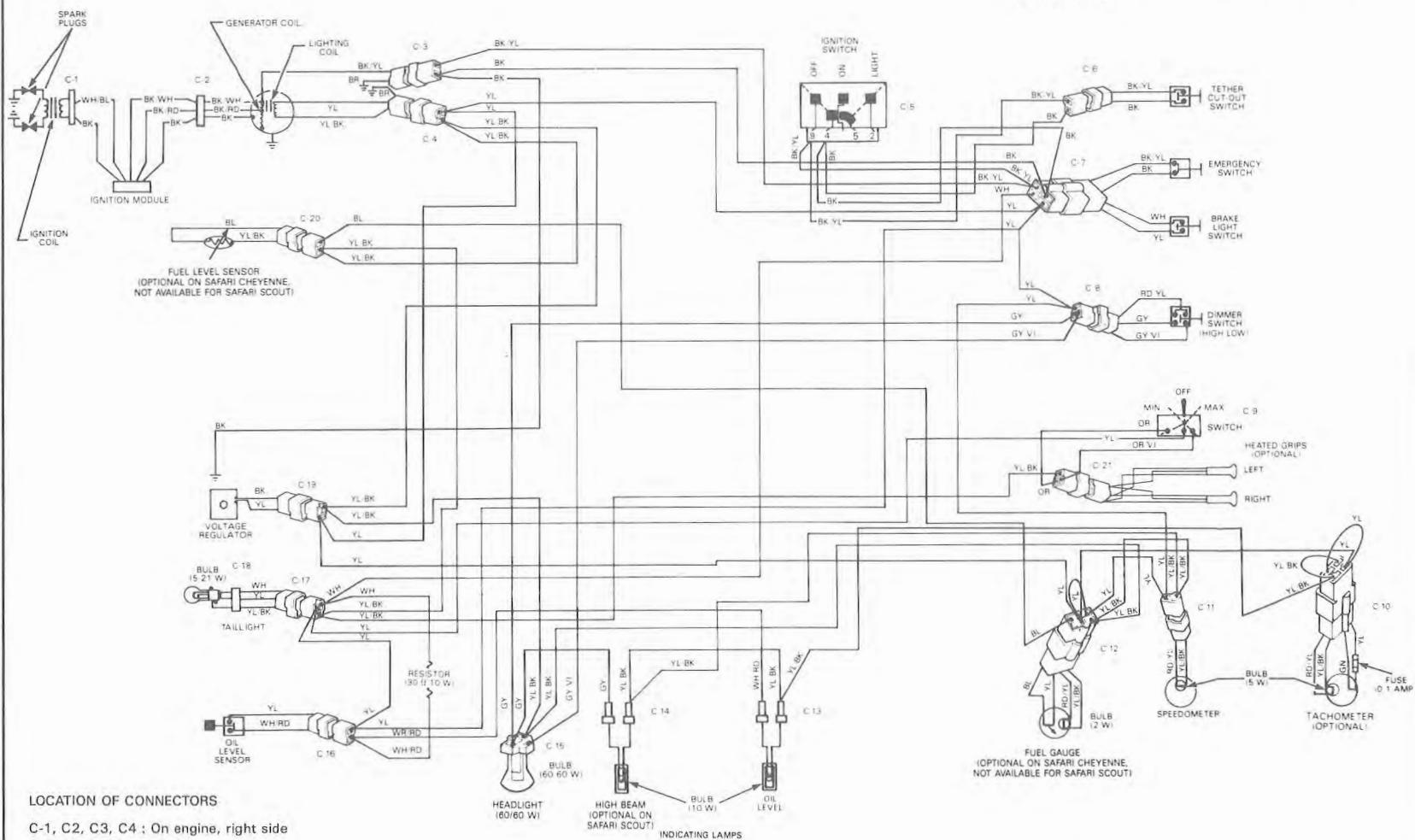
- C-1, C-2, C-3 : On engine, right side
- C-4 : On ignition switch
- C-5 : In console, left side
- C-6, C-7 : Near steering column
- C-8, C-9 : In hood, near instrument location
- C-10 : Near driven pulley
- C-11 : Between seat and fuel tank
- C-12 : On taillight
- C-13 : Near regulator/rectifier
- C-14 : Near solenoid

COLOR CODES

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
BL — BLUE	OR — ORANGE
YL — YELLOW	BR — BROWN

Safari Scout Safari Cheyenne

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



LOCATION OF CONNECTORS

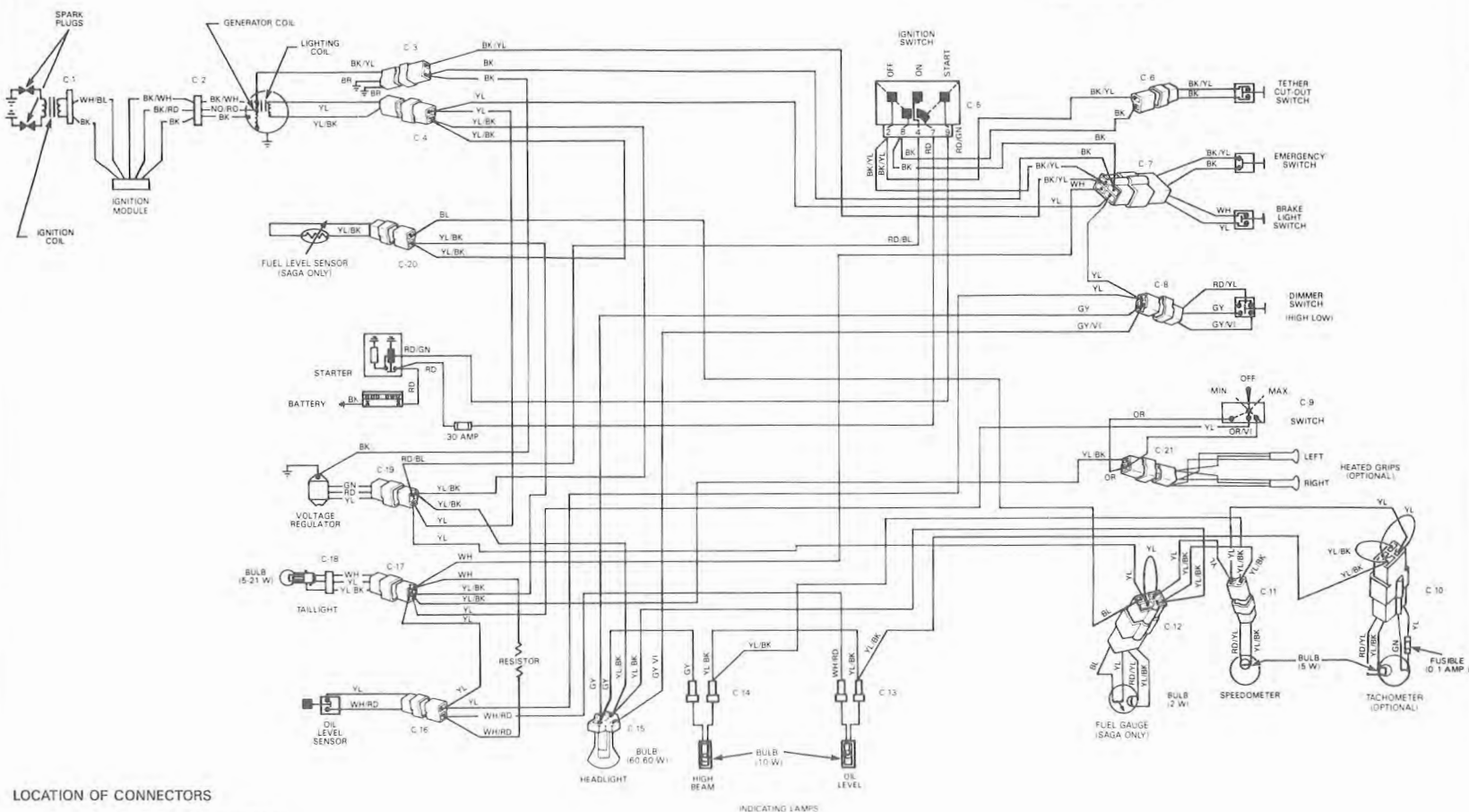
- C-1, C-2, C-3, C-4 : On engine, right side
- C-5 : On ignition switch
- C-6, C-9, C-21 : In console, left side
- C-7, C-8 : Near steering column
- C-10, C-11, C-12, C-13, C-14, C-15 : In hood, near instruments
- C-16 : Near injection oil reservoir
- C-17, C-20 : Between seat and fuel tank
- C-18 : On taillight
- C-19 : Near voltage regulator

COLOR CODES

BK - BLACK	GN - GREEN
WH - WHITE	GY - GREY
RD - RED	VI - VIOLET
BL - BLUE	OR - ORANGE
YL - YELLOW	BR - BROWN

Safari Scout E Safari Saga

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



LOCATION OF CONNECTORS

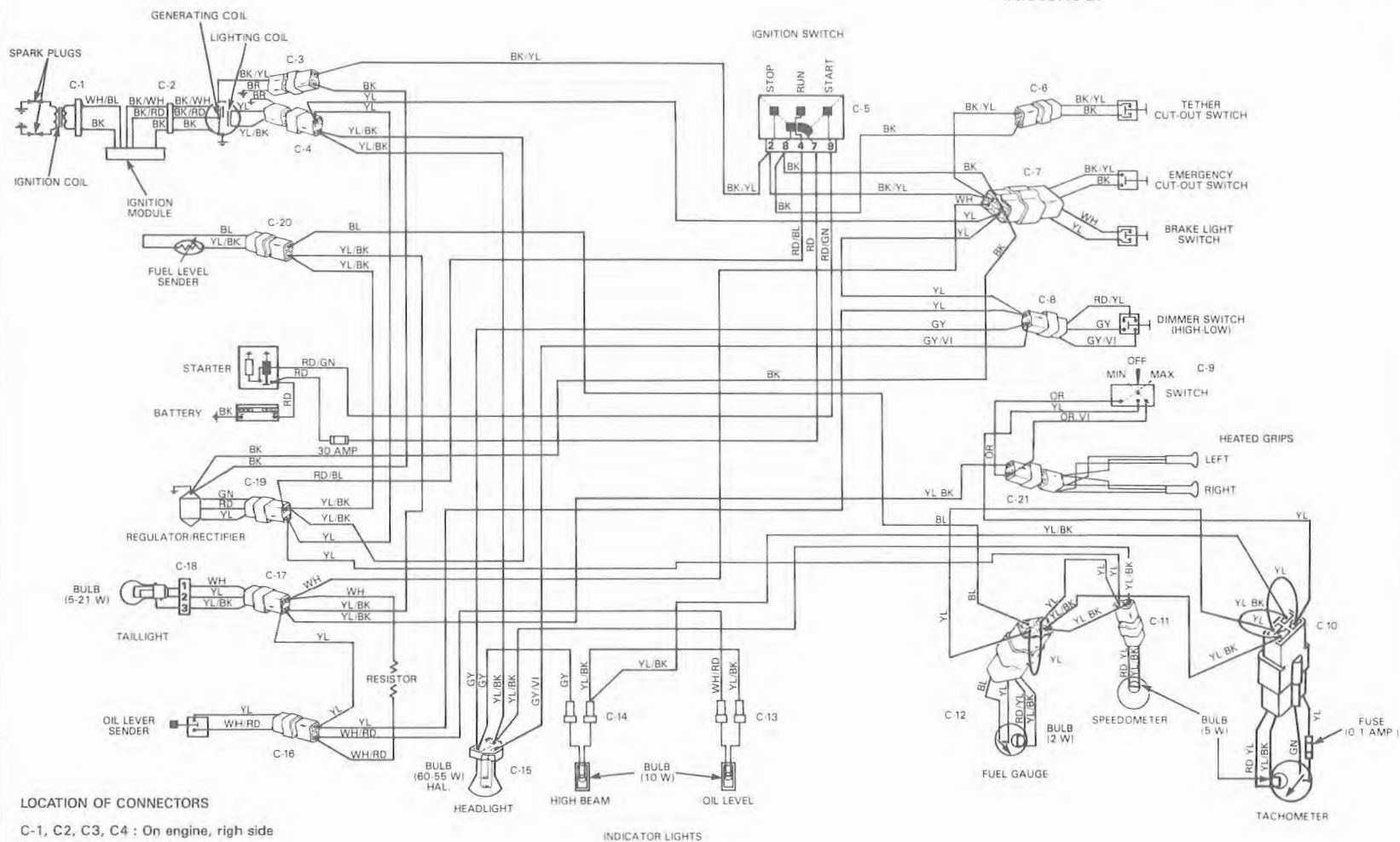
- C-1, C-2, C-3, C-4 : On engine, right side
- C-5 : On ignition switch
- C-6, C-21 : In console, left side
- C-7, C-8 : Near steering column
- C-9 : In console
- C-10, C-11, C-12, C-13, C-14, C-15 :
In hood, near instruments
- C-16 : Near injection oil reservoir
- C-17, C-20 : Between seat and fuel tank
- C-18 : On taillight
- C-19 : Near regulator /rectifier
- C-21 : In console, left side

COLOR CODES

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
BL — BLUE	OR — ORANGE
YL — YELLOW	BR — BROWN

Safari Voyageur Safari Escapade

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



LOCATION OF CONNECTORS

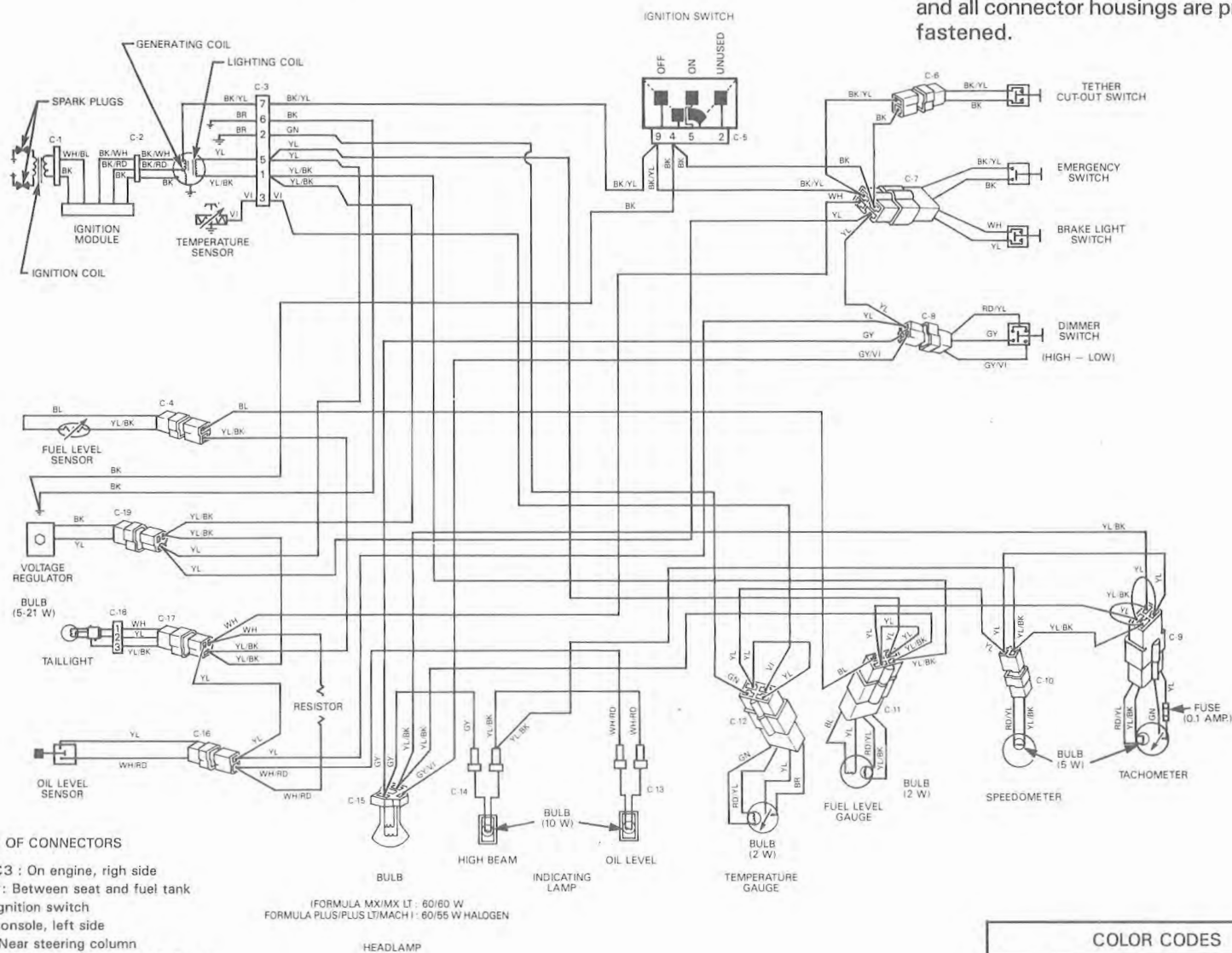
- C-1, C-2, C-3, C-4 : On engine, right side
- C-5 : On ignition switch
- C-6, C-21 : In console, left side
- C-7, C-8 : Near steering column
- C-9, C-10, C-11, C-12, C-13, C-14, C-15 : In hood, near instrument location
- C-16 : Near injection oil reservoir
- C-17, C-20 : Between seat and fuel tank
- C-18 : On taillight
- C-19 : Near voltage regulator

COLOR CODES

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
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YL — YELLOW	BR — BROWN

Formula MX/MX LT/Plus/Plus LT/MACH I

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



LOCATION OF CONNECTORS

- C-1, C-2, C-3 : On engine, right side
- C-4, C-17 : Between seat and fuel tank
- C-5 : On ignition switch
- C-6 : On console, left side
- C-7, C-8 : Near steering column
- C-9, C-10, C-11, C-12, C-13, C-14, C-15 : In hood, near instruments
- C-16 : Near injection oil reservoir
- C-18 : On taillight
- C-19 : Near voltage regulator

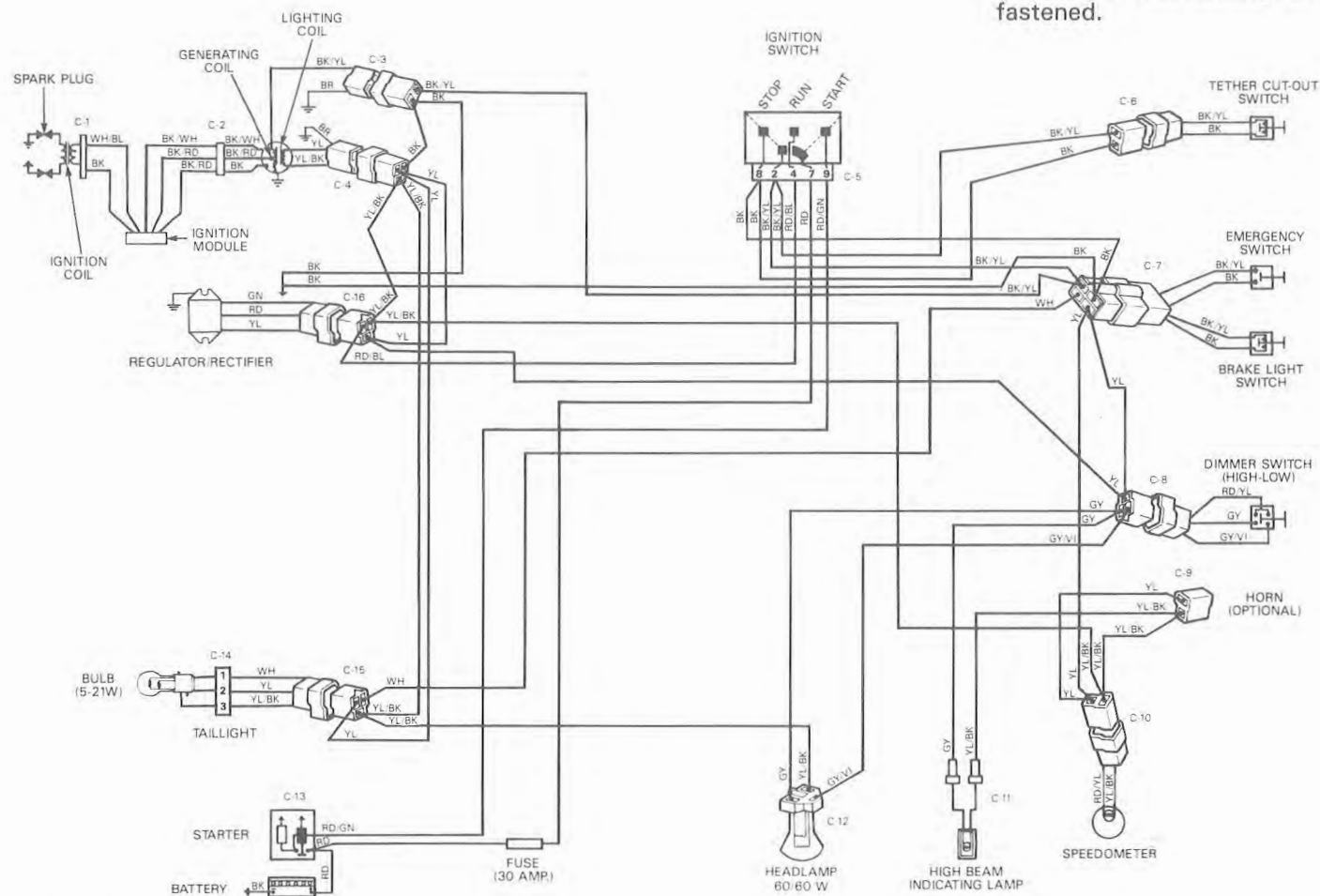
(FORMULA MX/MX LT : 60/60 W
FORMULA PLUS/PLUS LT/MACH I : 60/55 W HALOGEN)

COLOR CODES

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
BL — BLUE	OR — ORANGE
YL — YELLOW	BR — BROWN

Alpine II 503

WARNING : Ensure all terminals are properly crimped on the wires and all connector housings are properly fastened.



LOCATION OF CONNECTORS

- C-1, C-2, C-3, C-4 : On engine, right side
 C-5, C-6, C-7, C-8, C-9, C-10, C-11 :
 Underneath dashboard
 C-12 : Near headlamp
 C-13 : Near electric starter
 C-14 : On taillight housing
 C-15 : Under carburetor
 C-16 : Near regulator/rectifier

COLOR CODES

BK — BLACK	GN — GREEN
WH — WHITE	GY — GREY
RD — RED	VI — VIOLET
BL — BLUE	OR — ORANGE
YL — YELLOW	BR — BROWN