

JAGUAR



XK EARLY & LATE 120

WIRING DIAGRAMS
for the complete restorer



JAGUAR

XK 120

OTS ♦ FHC

1949-1951

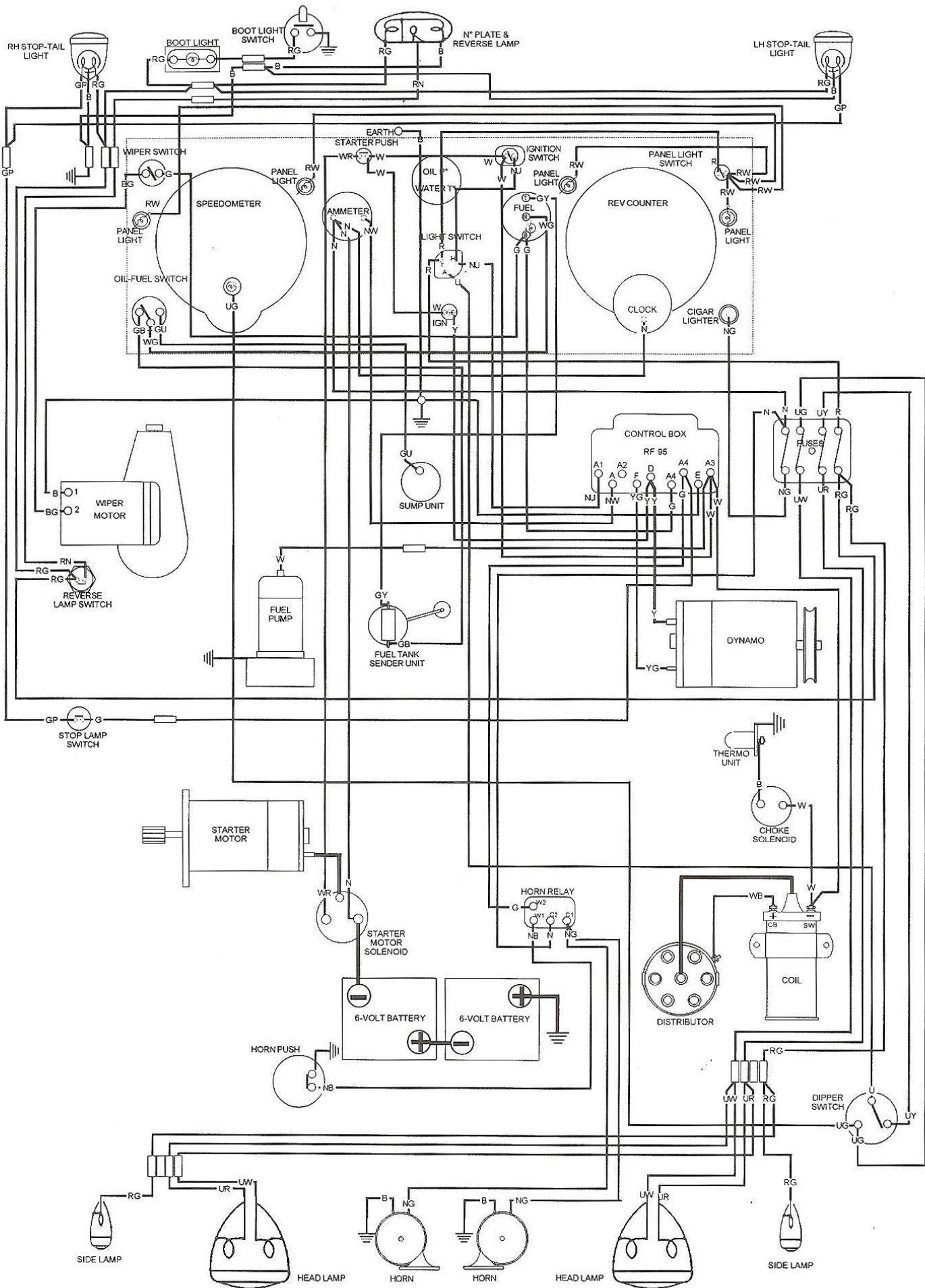
JAGUAR

XK 120

C.A.C. REFERENCES

	O.E.	C.A.C.	
CONTROL BOX	RF 95/2	/	enquire
SOLENOID STARTER	ST 950	5670	
DIRECTION IND. SWITCH	32847	5210	
DIPPER SWITCH	F 522	5500	
HEATER SWITCH	CHR 1	/	exchange
DASHBOARD SWITCH	PS 9	/	exchange
IGNITION SWITCH	S 45	5660	
STARTER PUSH	SS 9	5676	
N° PLATE LIGHT	469	5350	
TAIL LIGHTS	488	5000	
SIDE LIGHT early	490	5020	
SIDE LIGHT late	513	5015	
FLASHER UNIT	FL 5	5341	
4 FUSE BOX	SF 4	5140	
STARTER MOTOR	M 45 G	8624	exchange
DYNAMO	C45PVS-5	8625	exchange
HEATER FAN MOTOR	CHR 1	9729	exchange
IGNITION COIL	HA 12	5450	
HORNS	HF 1748	enquire	
SCREEN WIPER MOTOR	CRT 14	/	exchange
FOG LAMPS	SFT 700	5260	
HEAD LAMPS	PF 770	5560	5380 ex
DISTRIBUTOR	DVX6A	8629	exchange
BOOT LIGHT SWITCH	94 L	5235	
BOOT LIGHT UNIT	FML 2	5255	
DOUBLE RELAY FOR INDICATOR	DB 10	5340	
FUEL PUMP	LCS	8620	5793 alt
BRAKE LIGHT SWITCH	23388	5620	
CIGAR LIGHTER early-glass lens	/	5551	
CIGAR LIGHTER late	EL 2404	5550	
FUEL SENDER UNIT	Y86030	5410	
COURTESY LIGHT SWITCH	S35122	5640	
HEADLIGHT SWITCH	PRS 7	5050	5323 alt
LHD WIRING HARNESS early	/	5330	5334 alt
LHD WIRING HARNESS late	/	5331	5336 alt
RHD WIRING HARNESS late	/	5332	5335 alt
EARLY AUTO HARNESS	/	5377E	5388E alt
HEADLIGHT BULB (RHD)	302	5470	
HEADLIGHT BULB (LHD)	303	5474	
INDICATOR BULB	361	5472	
FOG LIGHT BULB	185	5475	
STOP/TAIL LIGHT BULB	189	5476	
SIDELIGHT BULB	989	5471	

ALL DASHBOARD INSTRUMENTS REBUILT/EXCHANGED





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JAGUAR XK 120 3.4 litre OTS, FHC (very early)
RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge

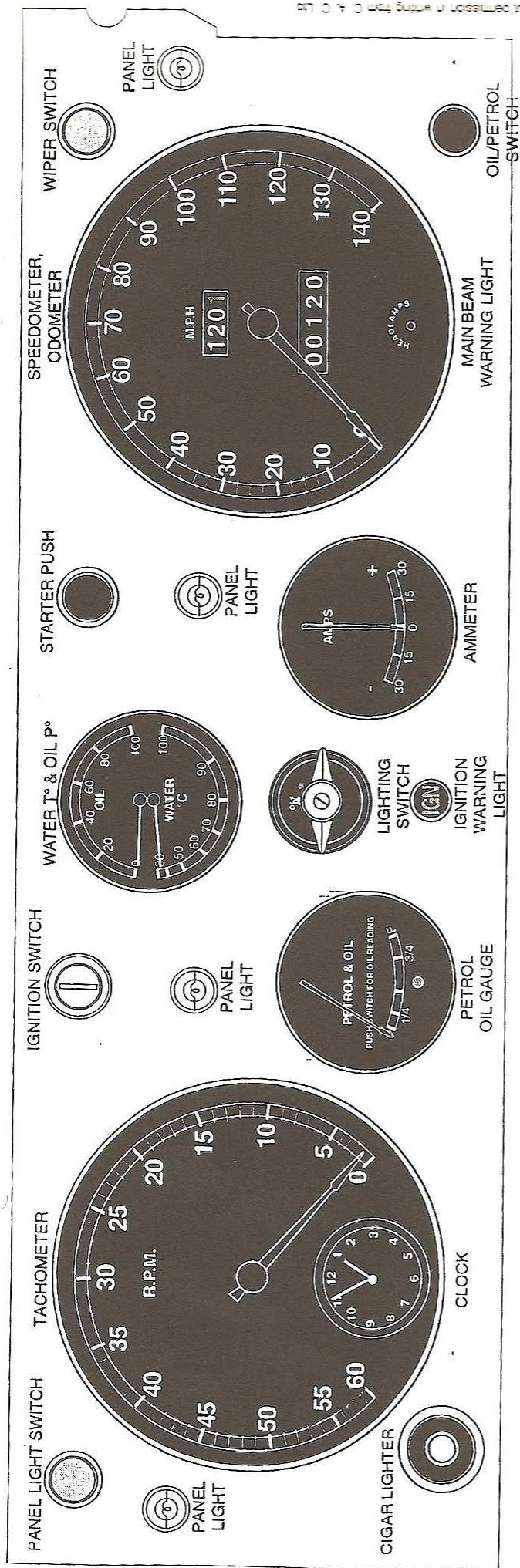
chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)... all alloy ots
ots fnc

 SNAP CONNECTOR

 JUNCTION BOX OR TERMINAL BLOCK

KEY TO CABLE COLOURS					
B	BLACK	K	PINK	Y	YELLOW
U	BLUE	P	PURPLE	L	LIGHT
N	BROWN	R	RED	D	DARK
G	GREEN	W	WHITE	S	SLATE

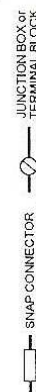
PANEL INSTRUMENTS



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 RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge
 chassis Nos 660-669 (rhd)... & Nos 670-679 (lhd)... all alloy ots

PANEL INSTRUMENTS



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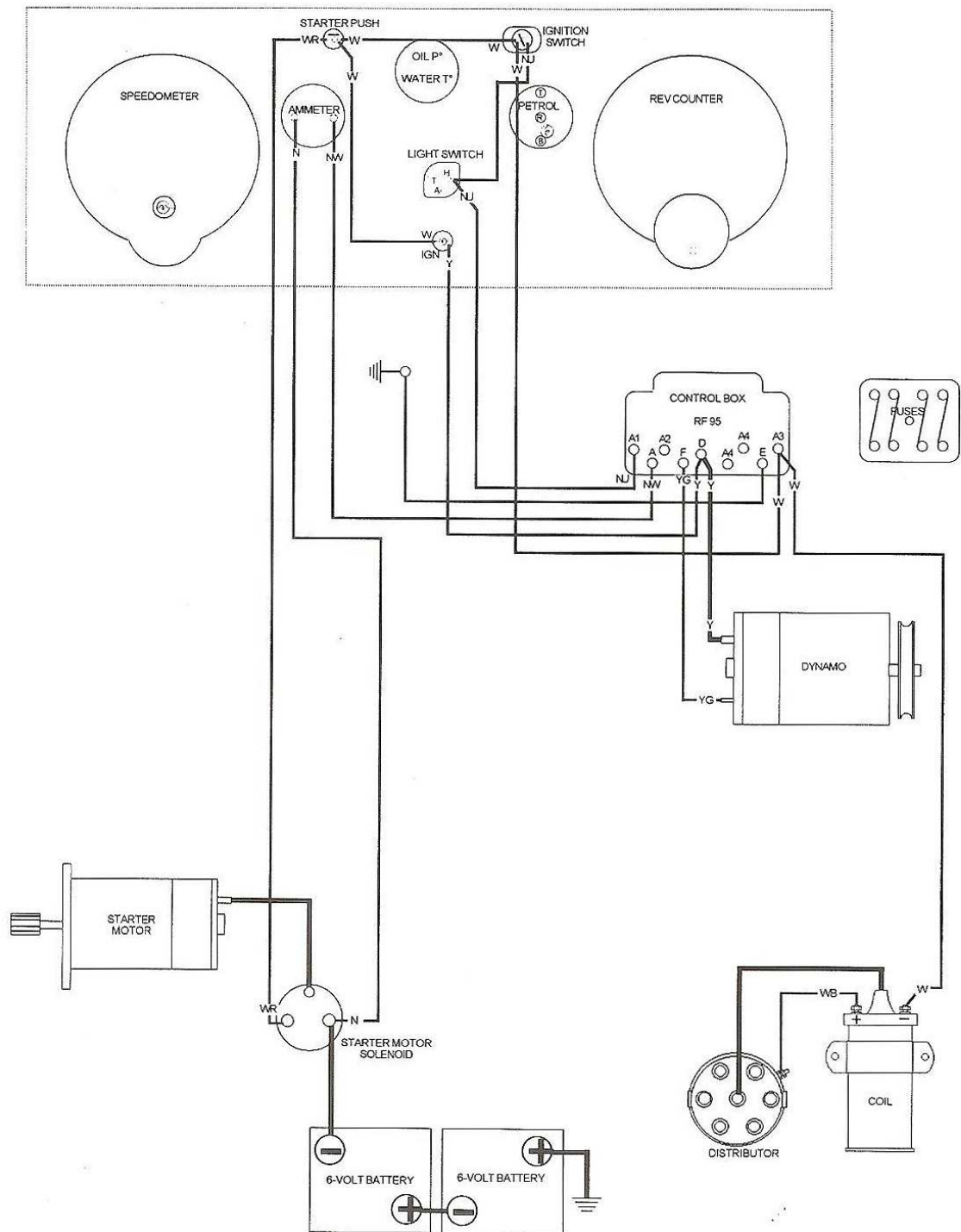
JAGUAR XK 120 3.4 litre OTS, FHC (very early)

RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge

chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)...

WIRING

STARTING-IGNITION-CHARGE-REGULATION



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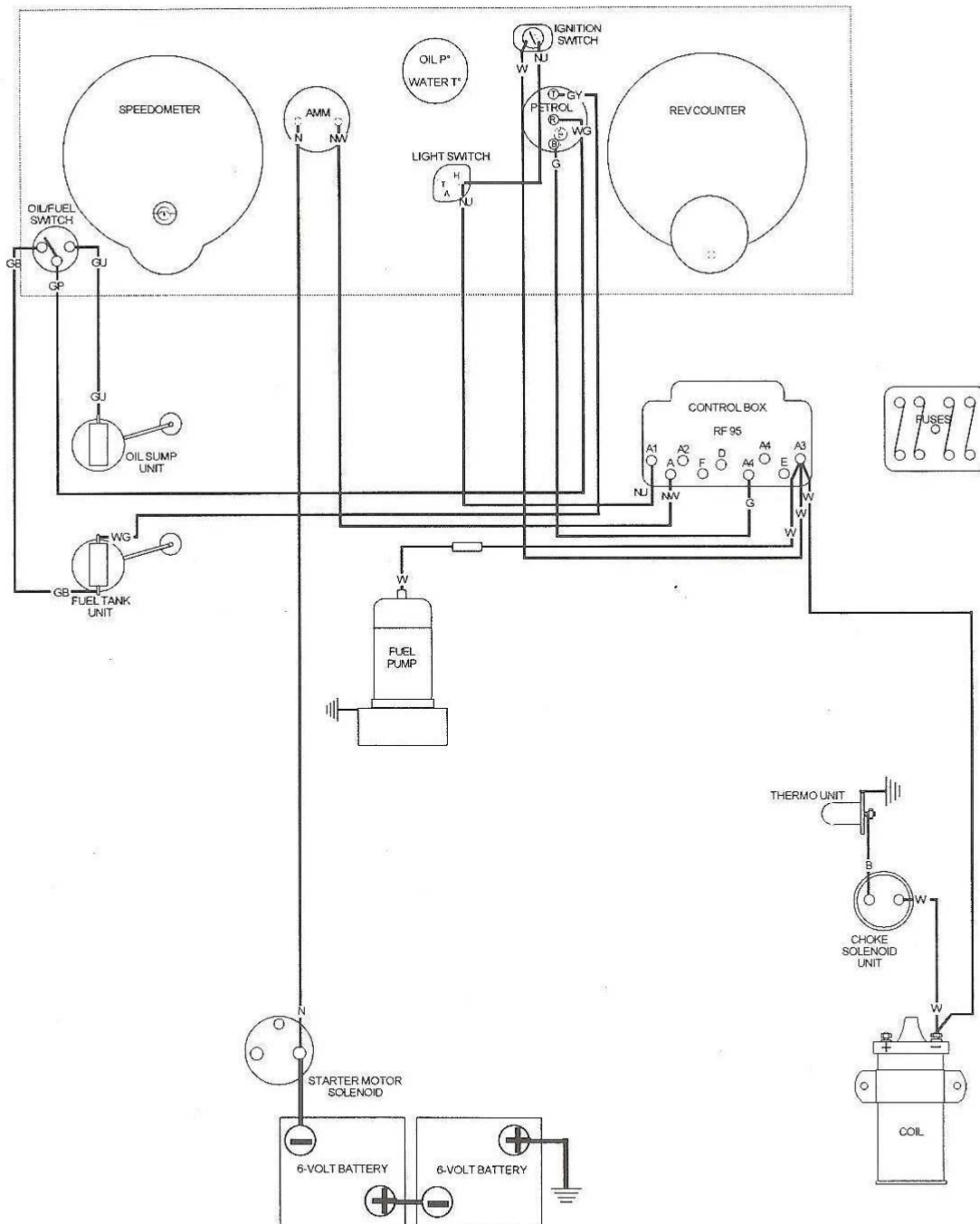
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WIRING FUEL SYSTEMS



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RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge

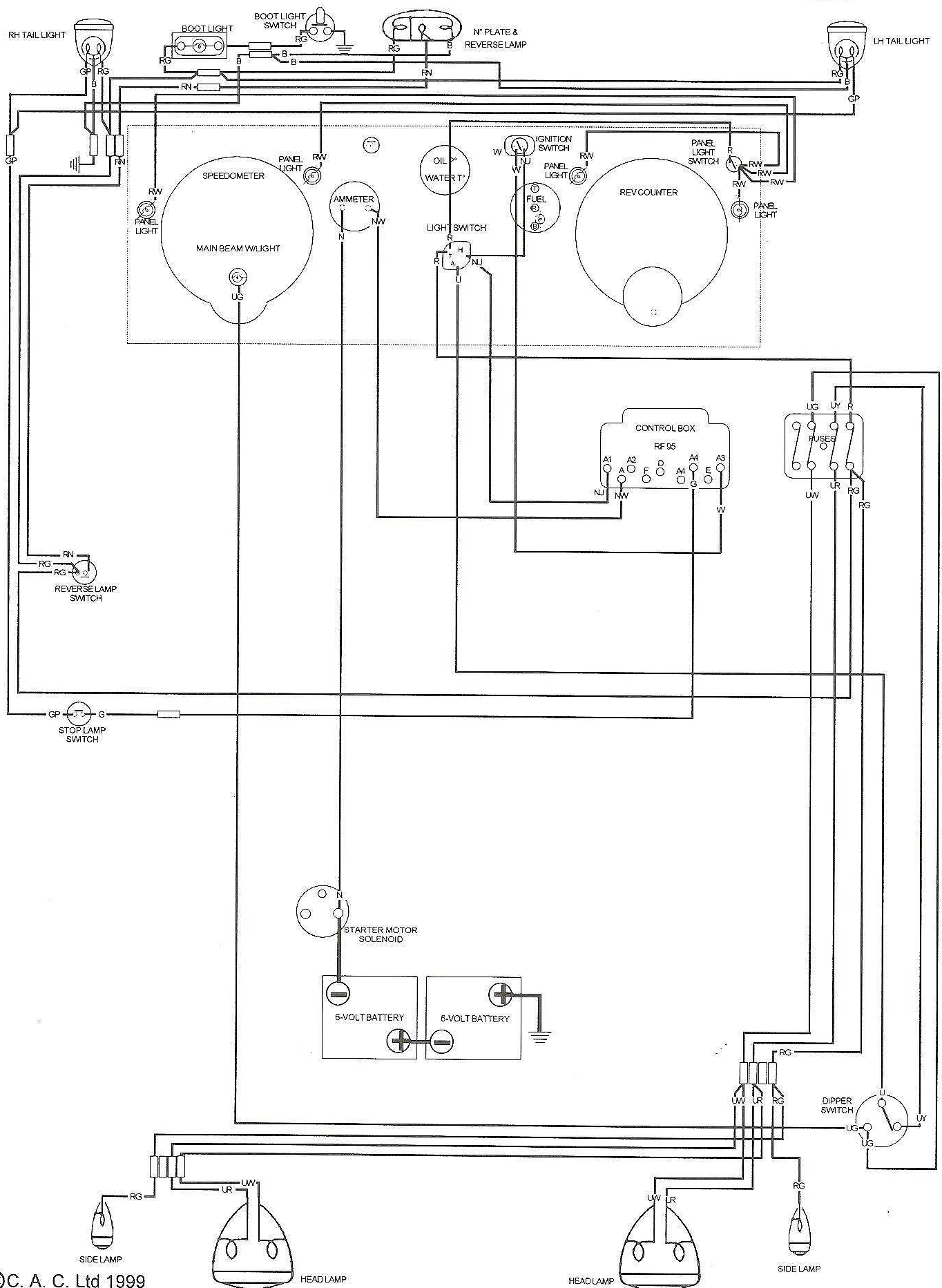
chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)... all alloy

— SNAP CONNECTOR — JUNCTION BOX or TERMINAL BLOCK

KEY TO CABLE COLOURS

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LIGHTING - SIGNALLING



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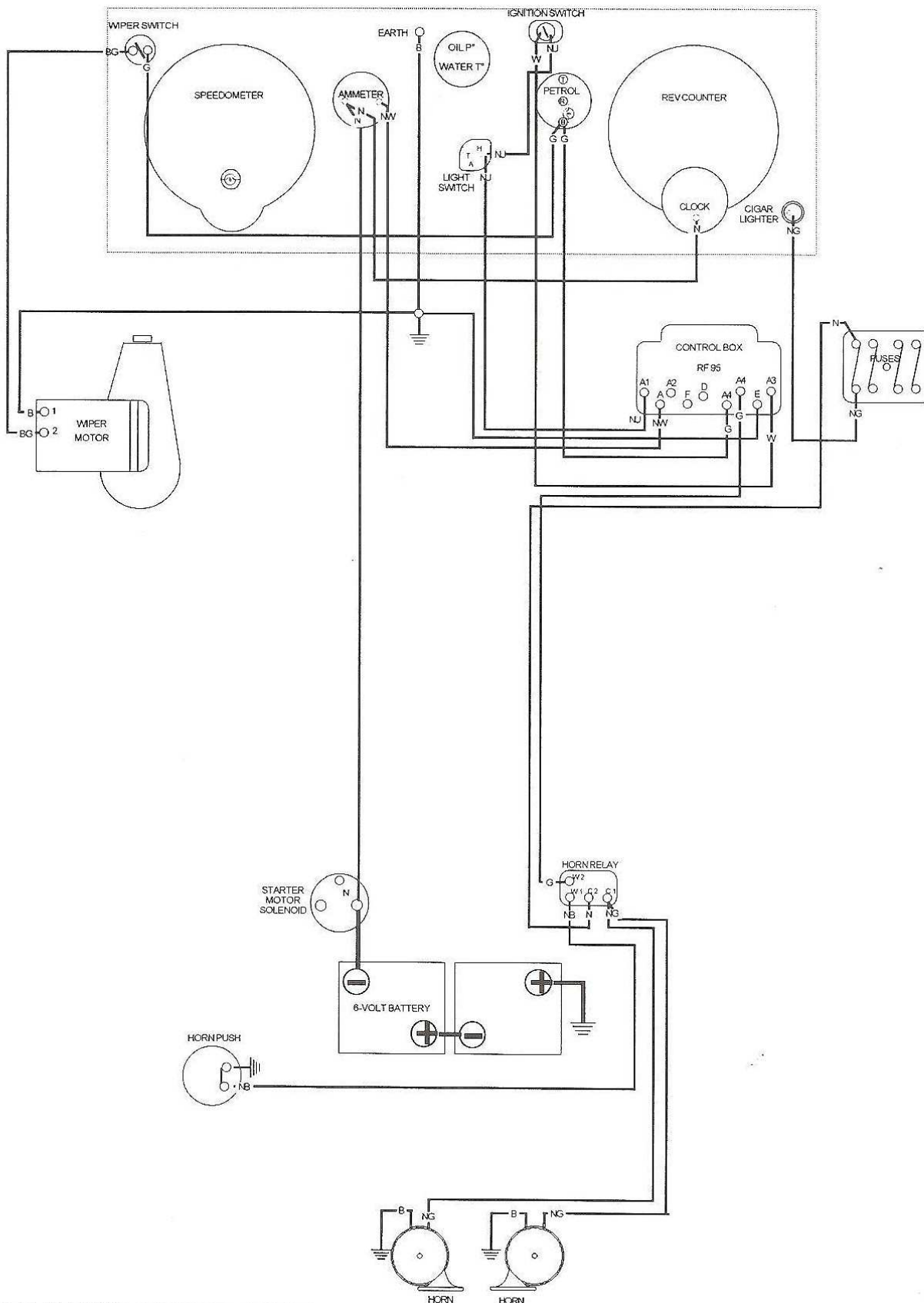
JAGUAR XK 120 3.4 litre OTS, FHC (very early)

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chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)... all alloy
ots fhc

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WIRING ANCILLARIES



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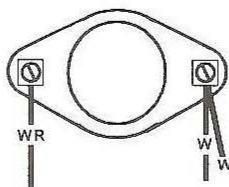
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WIRING

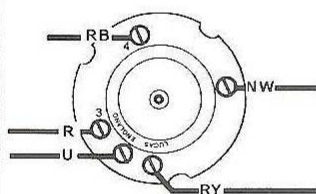
LUCAS SWITCHES

PUSH
LUCAS type 559



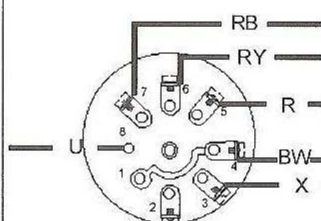
STARTER MOTOR
XK 120

SWITCH
LUCAS type PRS 5



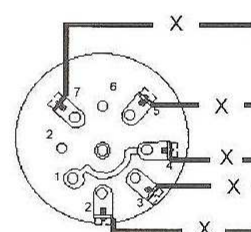
HEAD LAMPS
with Fog Lamps

SWITCH
LUCAS type PRS5



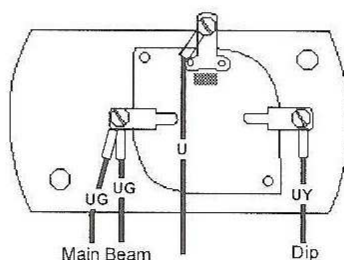
HEAD LAMPS
with Fog lamps

SWITCH
LUCAS type PRS5



HEAD LAMPS
no Fog lamps

DIPPER SWITCH
LUCAS F 522



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RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge

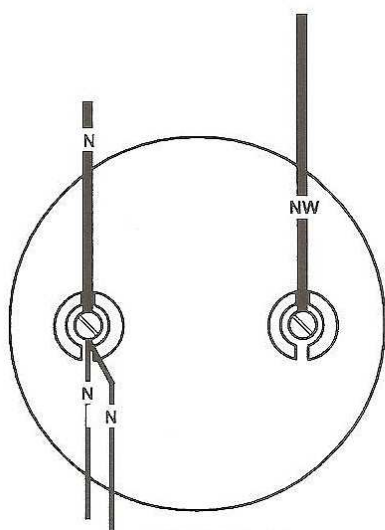
chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)... all alloy ots
ols fhc ots fhc

— SNAP CONNECTOR — JUNCTION BOX or TERMINAL BLOCK

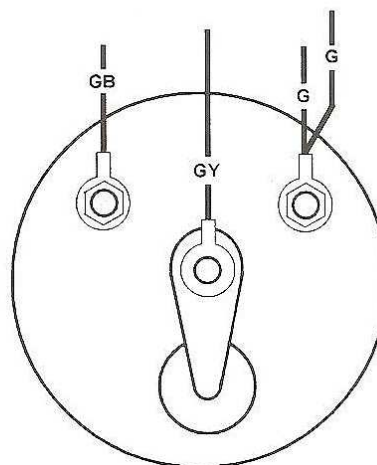
KEY TO CABLE COLOURS

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N	BROWN	R	RED	D	DARK
G	GREEN	W	WHITE	S	SLATE

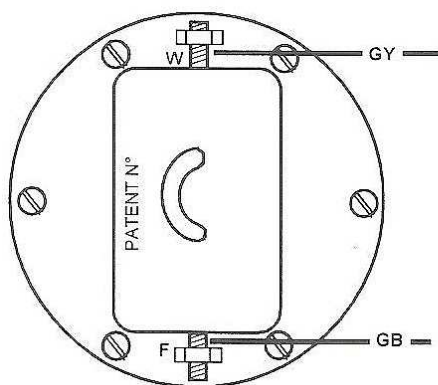
WIRING GAUGES



AMMETER
LUCAS type BM4



FUEL GAUGE
SMITHS later type



FUEL TANK UNIT
SMITHS later type

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JAGUAR XK 120 3.4 litre OTS, FHC (very early)
RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge

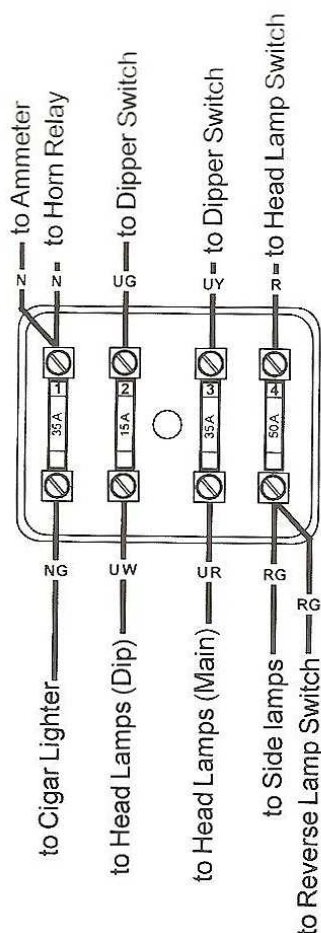
chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)... all alloy ots fhc

— SNAP CONNECTOR — JUNCTION BOX or TERMINAL BLOCK

KEY TO CABLE COLOURS

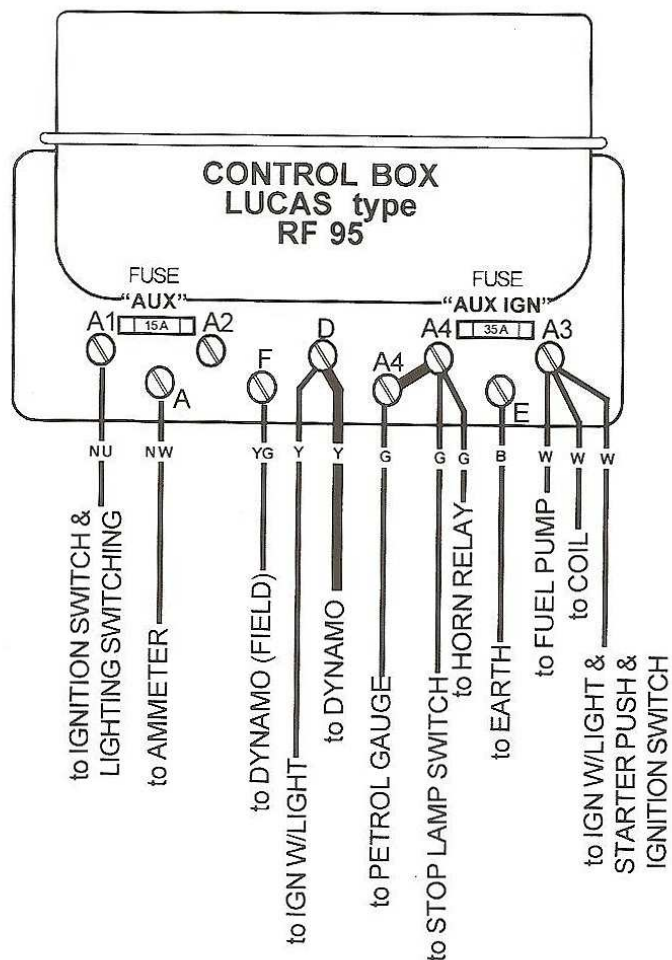
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U	BLUE	P	PURPLE	L	LIGHT
N	BROWN	R	RED	D	DARK
G	GREEN	W	WHITE	S	SLATE

CONTROL BOX - FUSE BOX- SOLENOID



SF4 LUCAS FUSE BOX

- FUSE 1 Cigar Lighter
- FUSE 2 Head Lamps (Dip Beam)
- FUSE 3 Head Lamps (Main Beam)
- FUSE 4 Side lamps, Tail Lamps, Reverse lamp



BROWN WIRES:

Under permanent current.
Before ignition switch.
Non-regulated current.

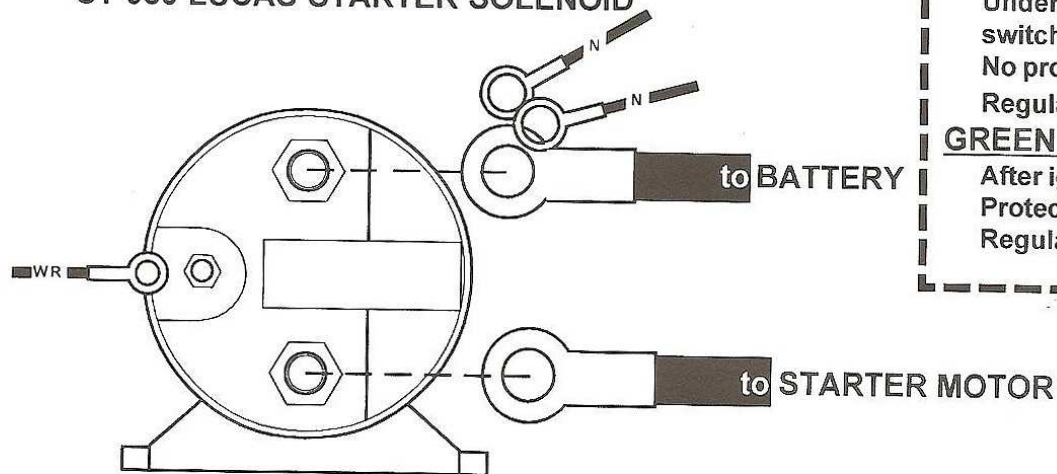
WHITE WIRES:

Under tension only after ignition switch is on.
No protection by fuses.
Regulated current.

GREEN WIRES:

After ignition switch.
Protection by fuses.
Regulated current.

ST 950 LUCAS STARTER SOLENOID



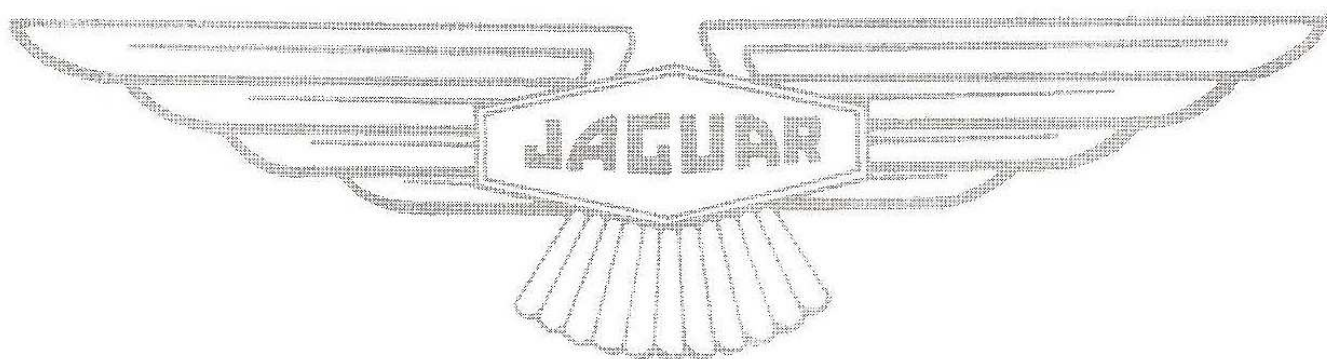
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JAGUAR XK 120 3.4 litre OTS, FHC (very early)

RHD & LHD 1949-1951 early cars, no flashers, oil-fuel gauge

chassis Nos 660-669 (rhd)... & Nos 670-679 (lhd)... all alloy ots

KEY TO CABLE COLOURS		
B BLACK	K PINK	Y YELLOW
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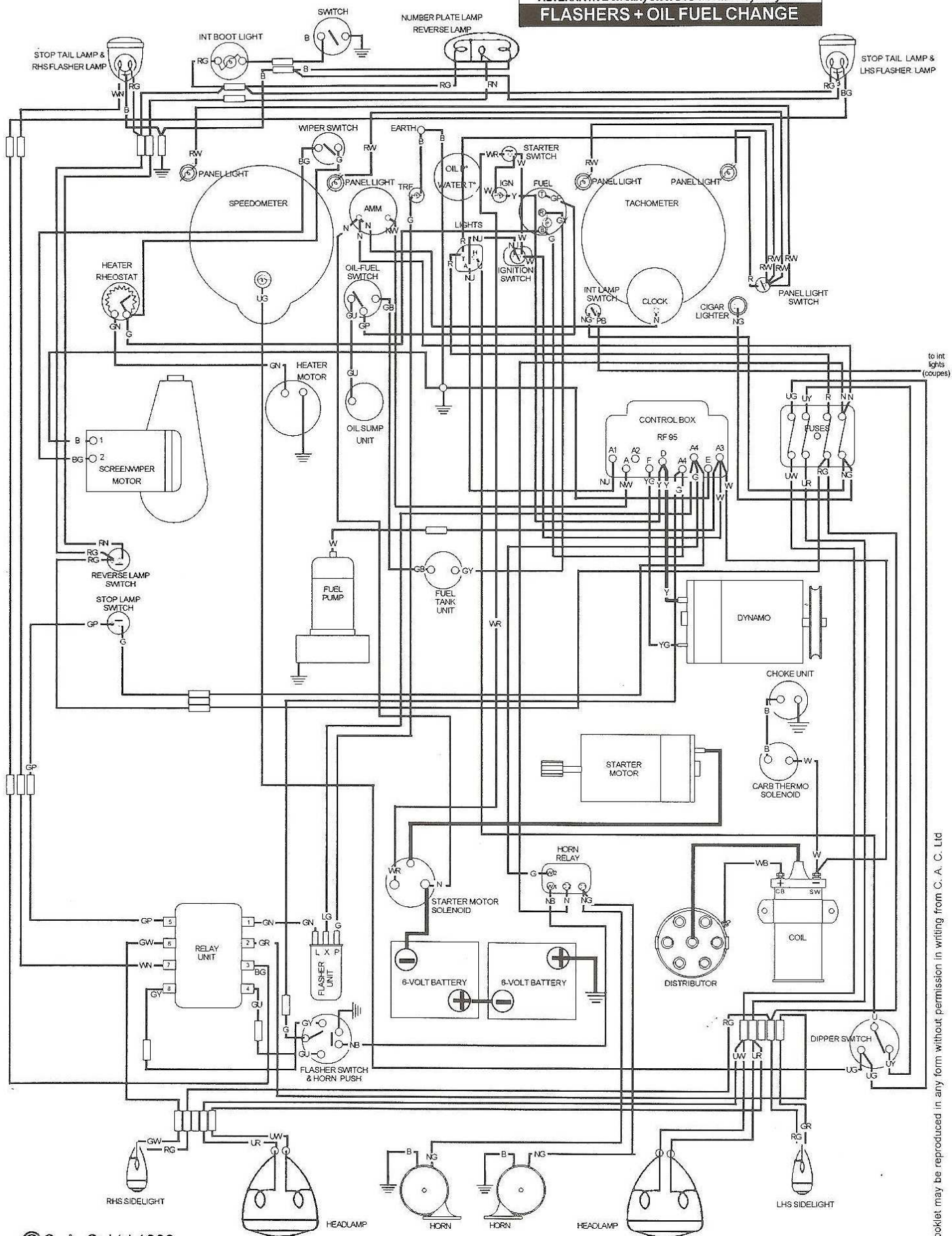
JAGUAR

XK 120

OTS ♦ FHC ♦ DHC

1951-1954

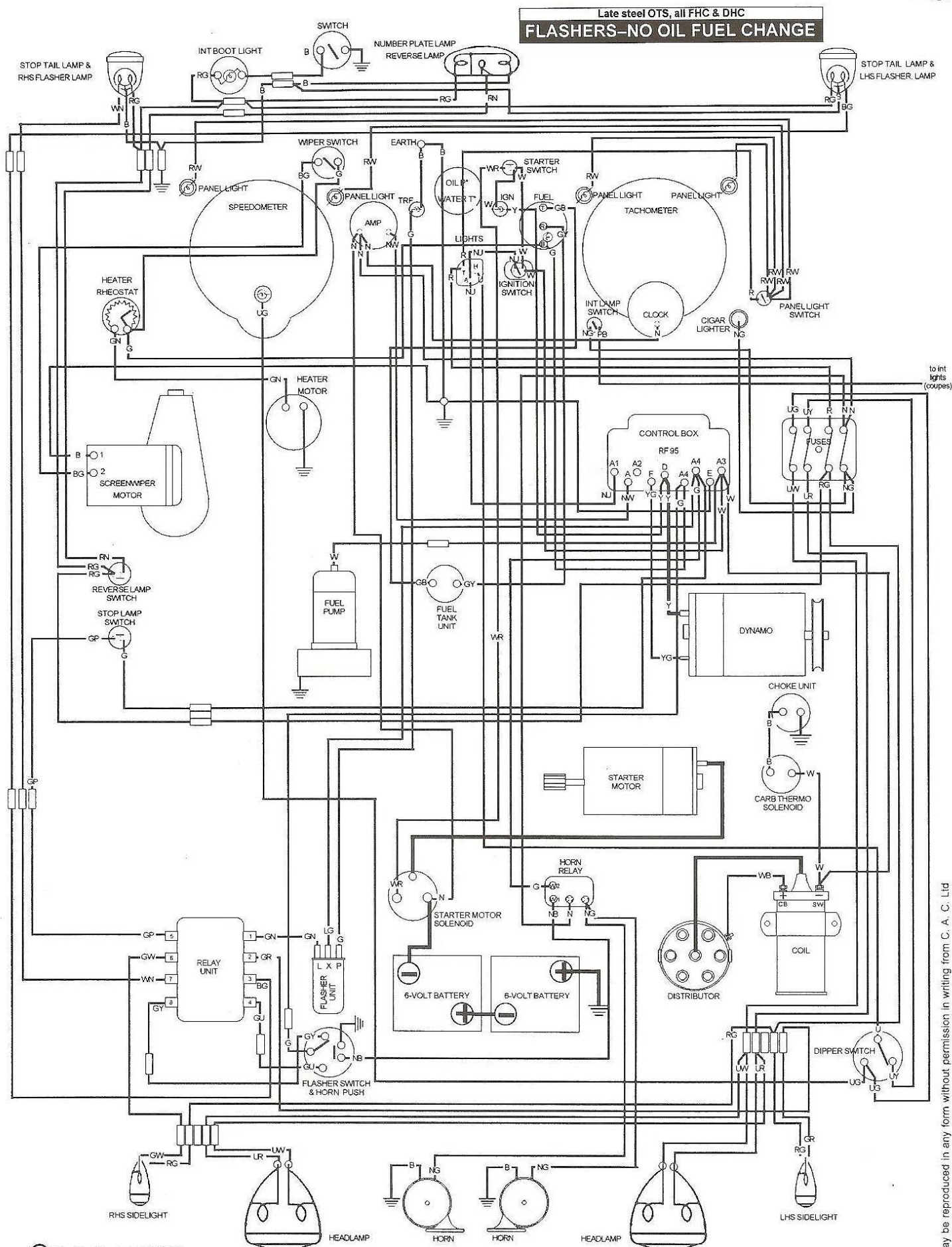
ALTERNATIVE on early steel OTS & some very early FHC
FLASHERS + OIL FUEL CHANGE



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JAGUAR XK 120 3.4 litre OTS, early FHC
 RHD & LHD 1950-1951 positive earth, early cars

chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)...



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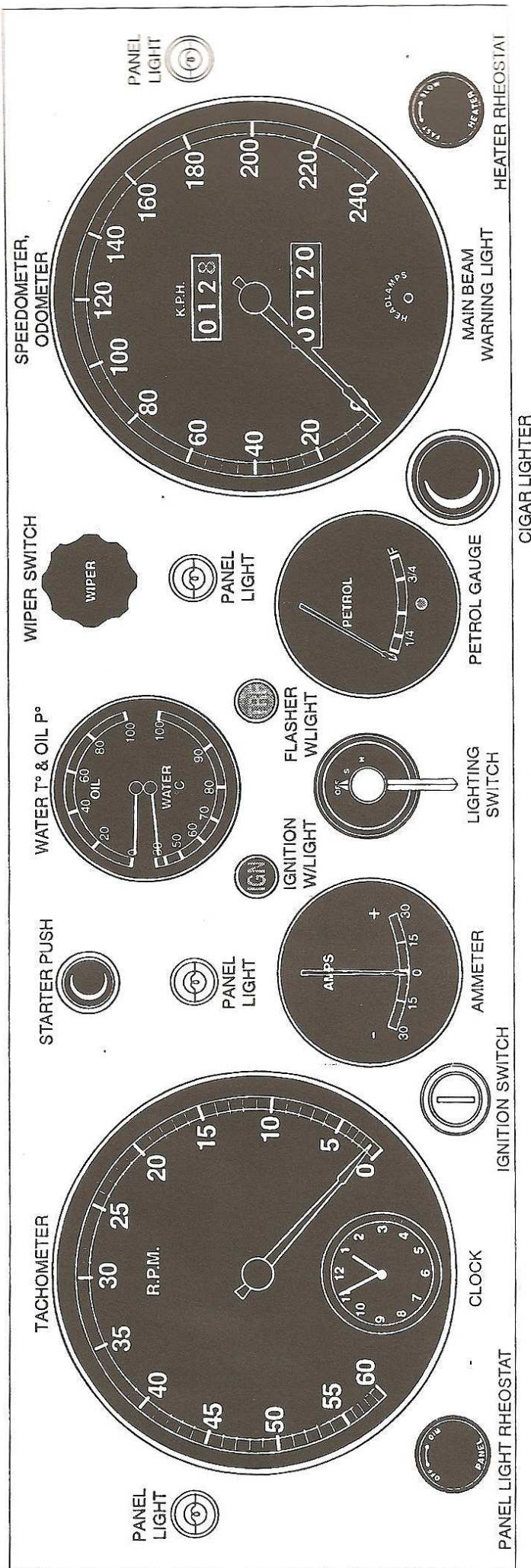
JAGUAR XK 120 3.4 litre OTS, FHC, DHC

RHD & LHD 1951-1954 positive earth, late cars

chassis N^{os} 660-669-667 (rhd)... & N^{os} 670-679-677 (lhd)...

KEY TO CABLE COLOURS		
B BLACK	K PINK	Y YELLOW
U BLUE	P PURPLE	L LIGHT
N BROWN	R RED	D DARK
G GREEN	W WHITE	S SLATE

PANEL INSTRUMENTS



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JAGUAR XK 120 3.4 litre OTS, FHC, DHC

RHD & LHD 1951-1954 positive earth, late cars

chassis N^{os} 660-669-667 (rhd)... & N^{os} 670-679-677 (lhd)...

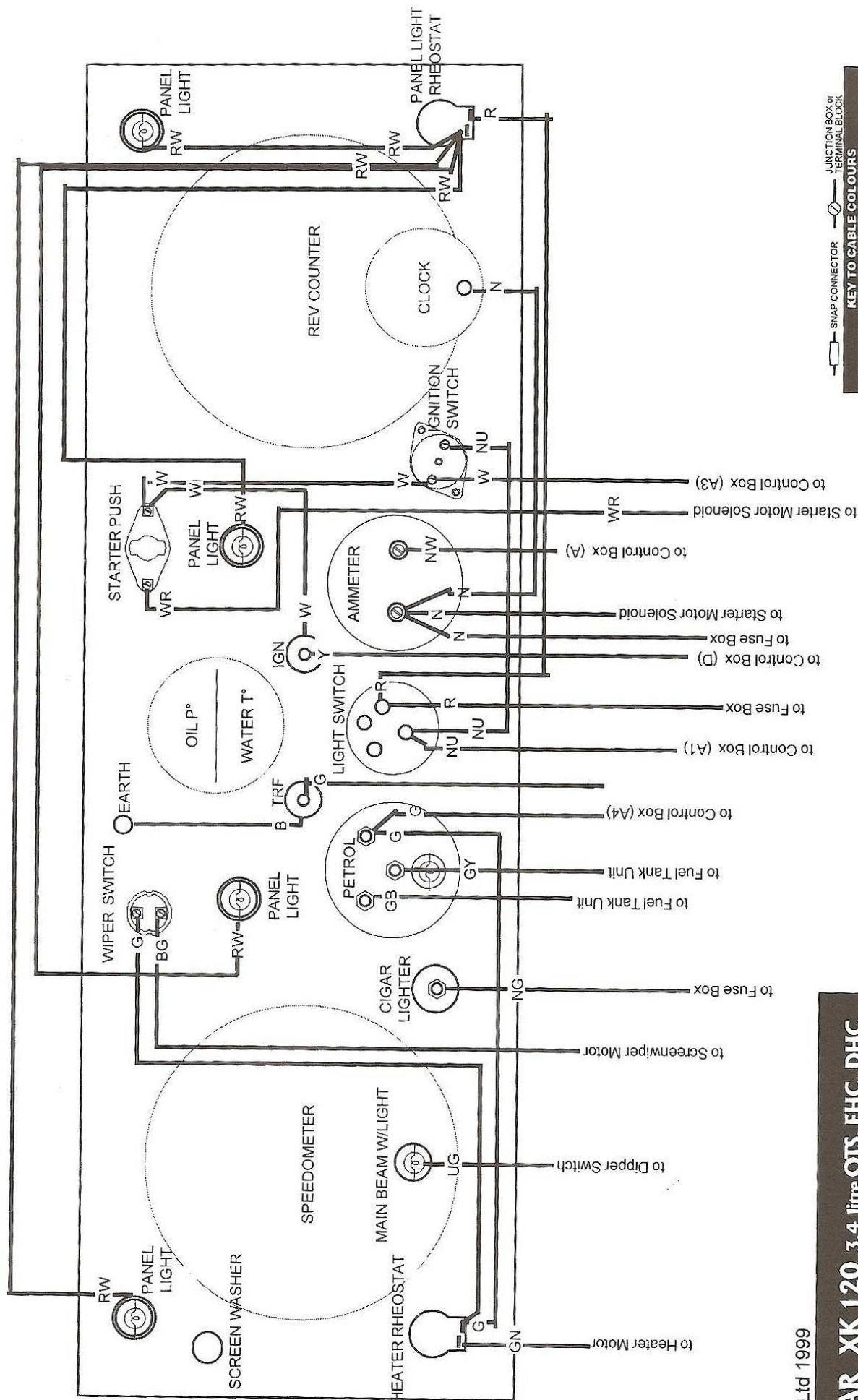
ols fhc dhc

ols fhc dhc

ols fhc dhc

WIRING

PANEL INSTRUMENTS



SNAP CONNECTOR — JUNCTION BOX or TERMINAL BLOCK

KEY TO CABLE COLOURS

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JAGUAR XK 120 3.4 litre OTS, FHC, DHC

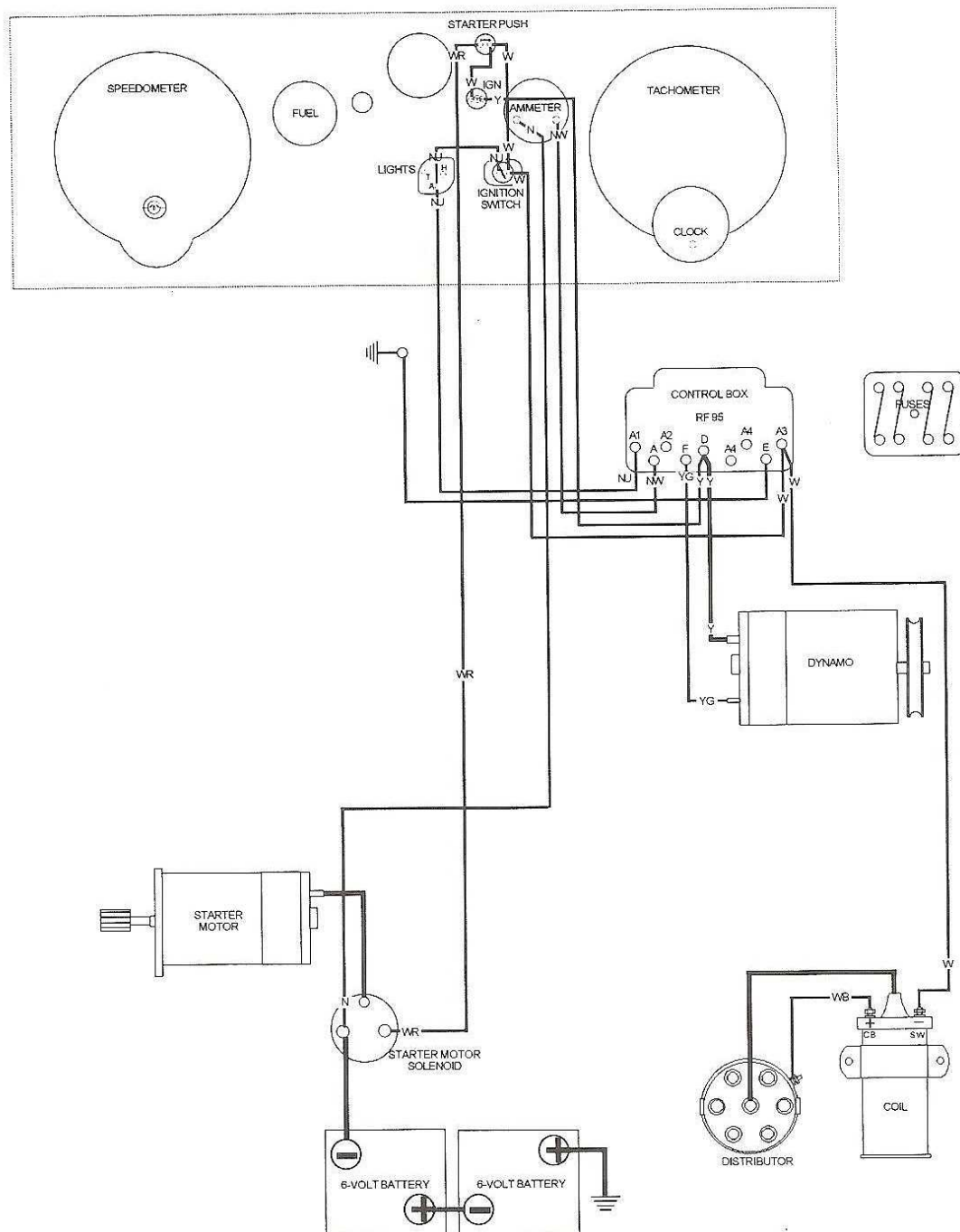
RHD & LHD 1951-1954 positive earth, late cars

chassis Nos 660-669-667 (rhd)... & Nos 670-679-677 (lhd)...

ots fhc dhc

WIRING

STARTING-IGNITION-CHARGE-REGULATION



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JAGUAR XK 120 3.4 litre OTS, FHC, DHC
 RHD & LHD 1951-1954 positive earth, late cars

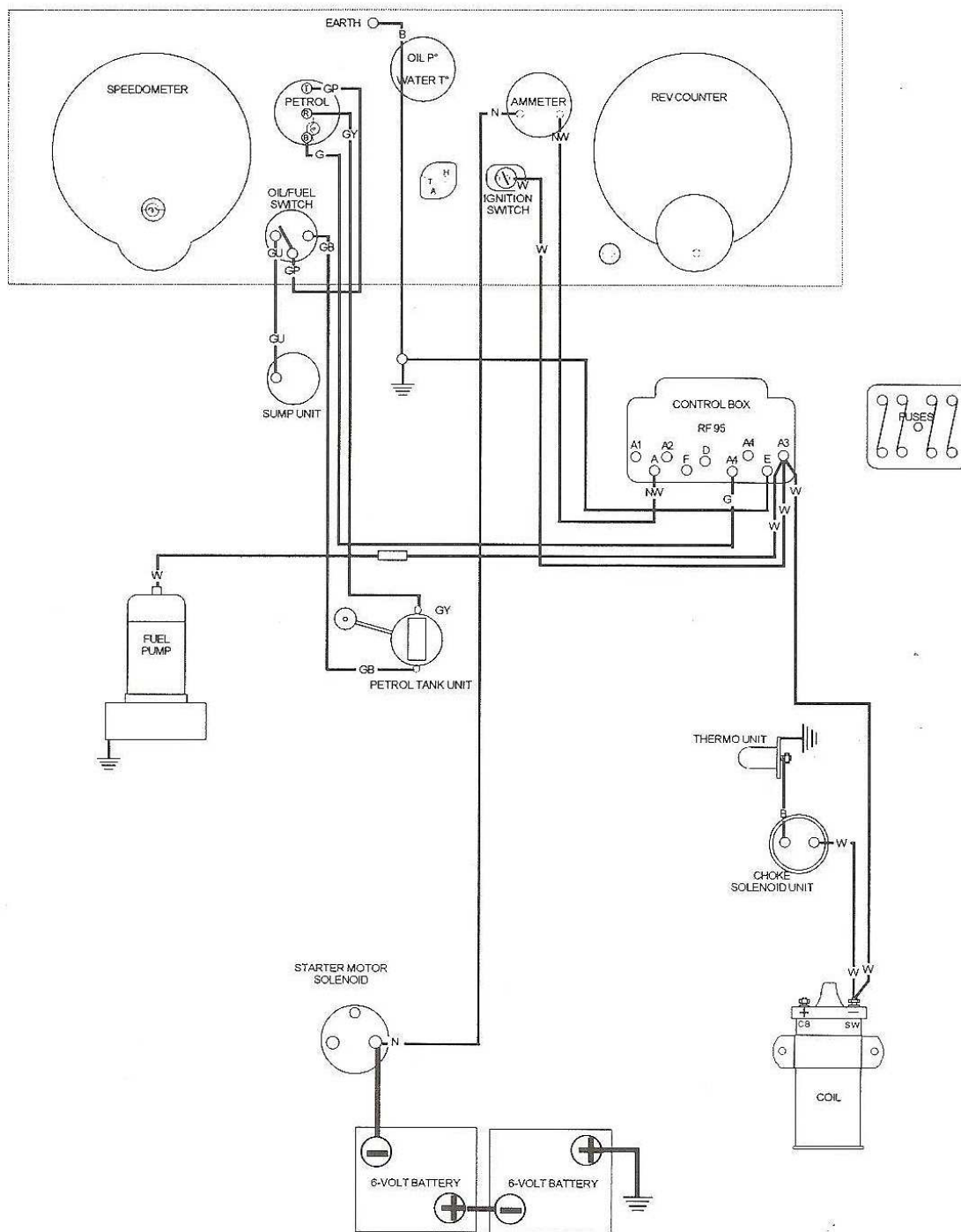
chassis N^{os} 660-669-667 (rhd)... & N^{os} 670-679-677 (lhd)...
 ots fhc dhc

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WIRING FUEL SYSTEMS



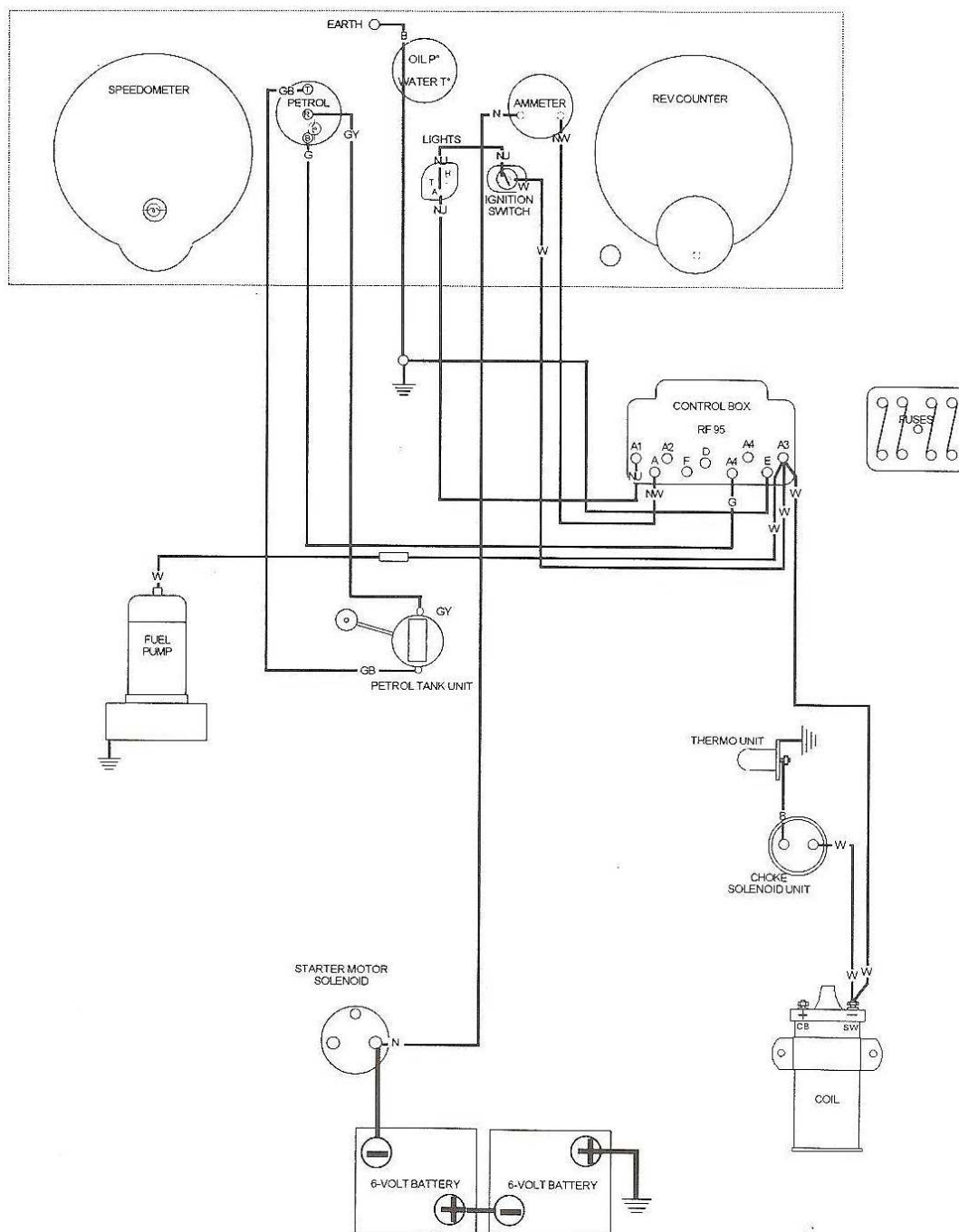
ALTERNATIVE on early steel OTS & some very early FHC
FLASHERS + OIL FUEL CHANGE

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JAGUAR XK 120 3.4 litre OTS, early FHC
RHD & LHD 1950-1951 positive earth, early cars

chassis N^{os} 660-669 (rhd)... & N^{os} 670-679 (lhd)...

WIRING FUEL SYSTEMS



Late steel OTS, all FHC & DHC
FLASHERS + OIL FUEL CHANGE

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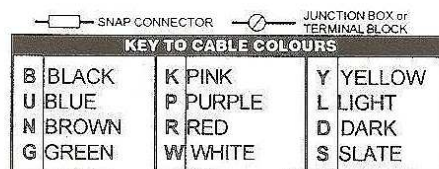
JAGUAR XK 120 3.4 litre OTS, FHC, DHC
RHD & LHD 1951-1954 positive earth, late cars

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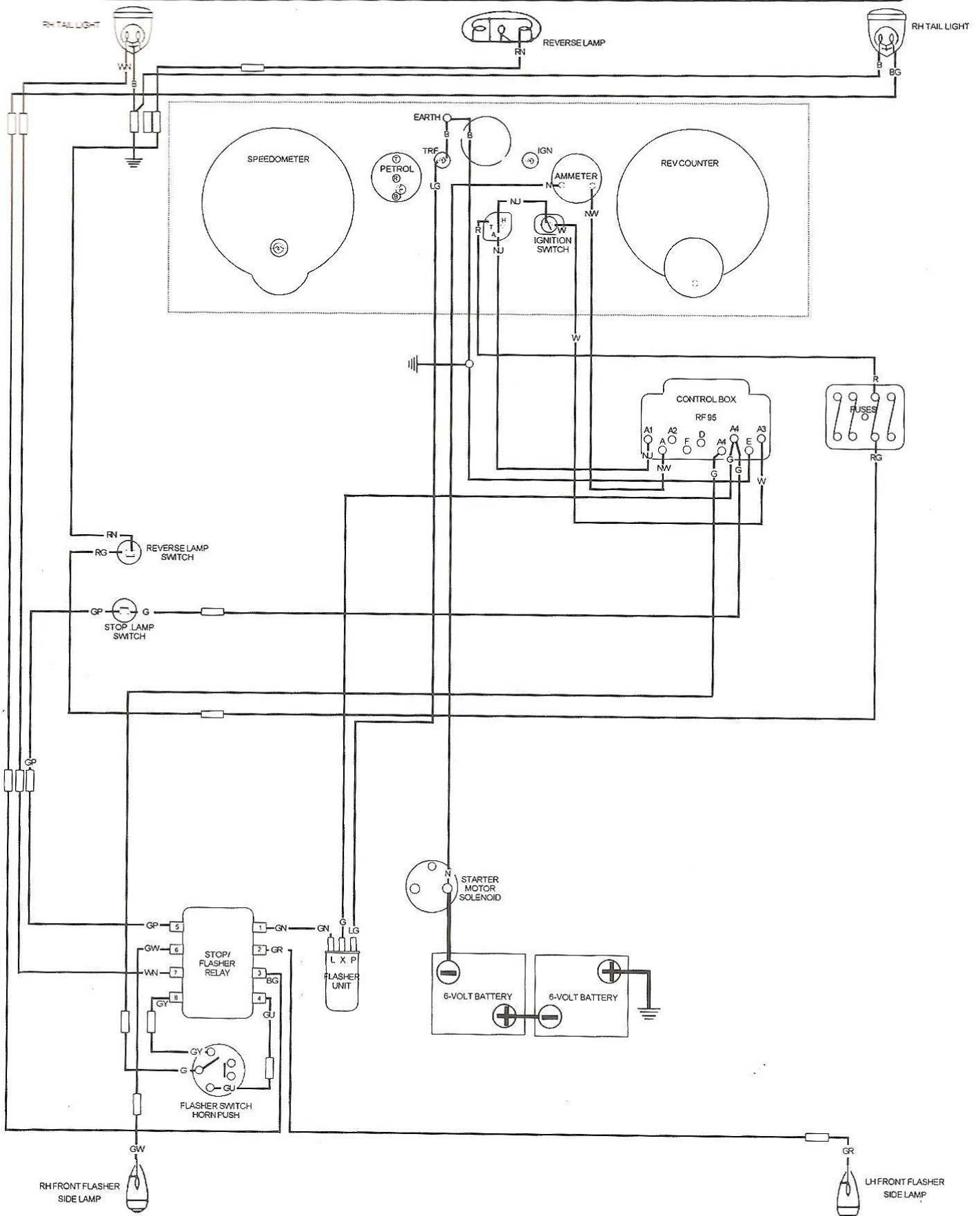
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chassis N^{os} 660-669-667 (rhd)... & N^{os} 670-679-677 (lhd)...

SIGNALLING-FLASHERS-STOP & REVERSE LAMPS



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JAGUAR XK 120 3.4 litre OTS, FHC, DHC
 RHD & LHD 1951-1954 positive earth, late cars

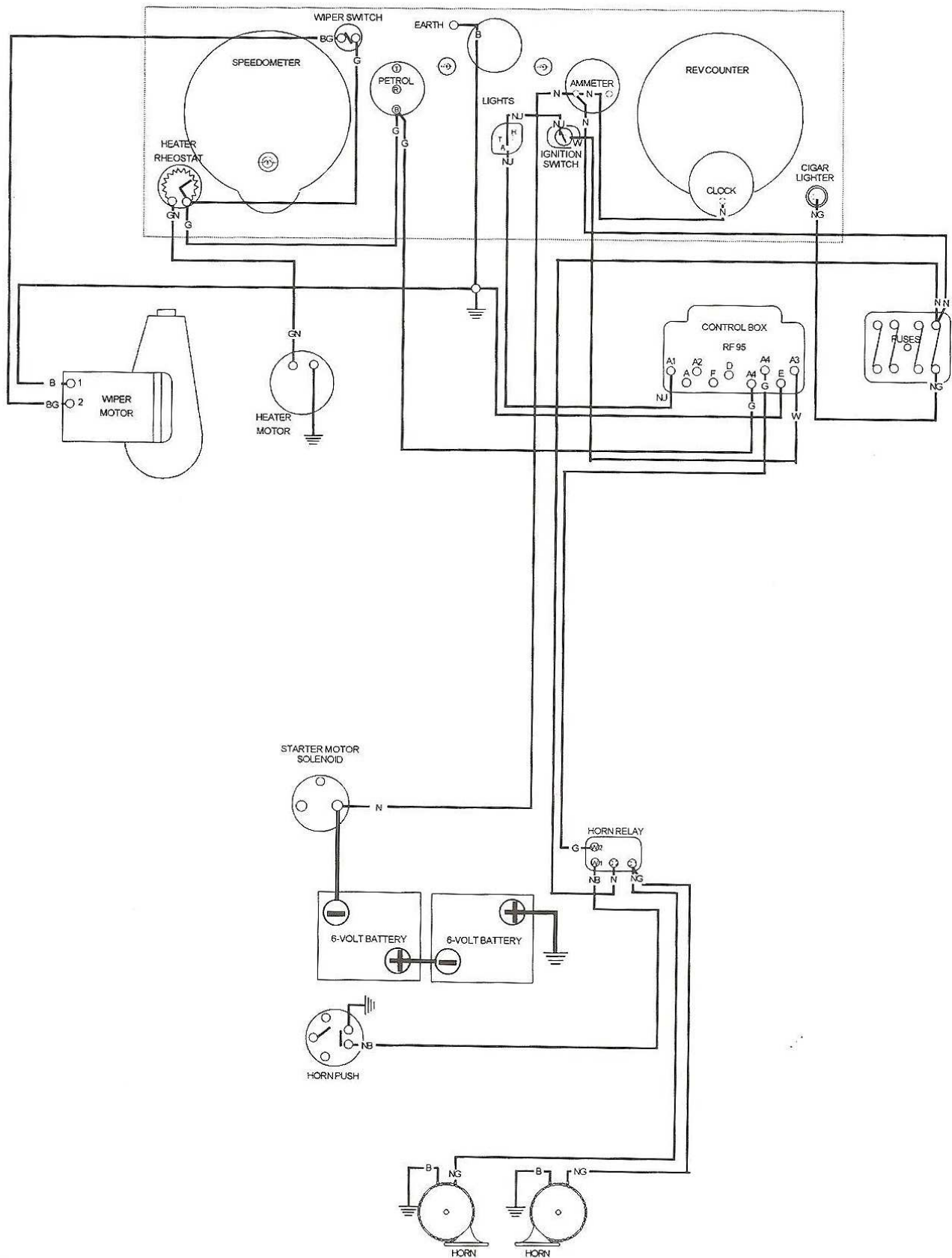
chassis N^{os} 660-669-667 (rhd)... & N^{os} 670-679-677 (lhd)...
 ots fhc dhc

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WIRING ANCILLARIES



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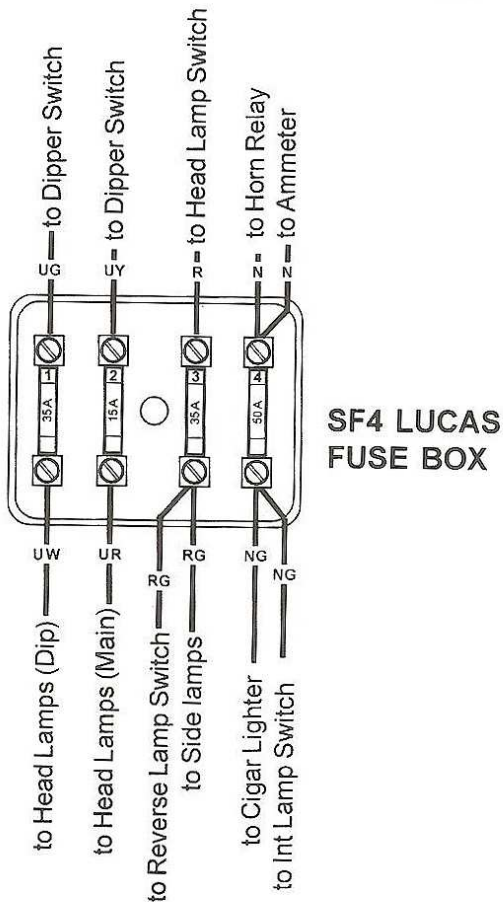
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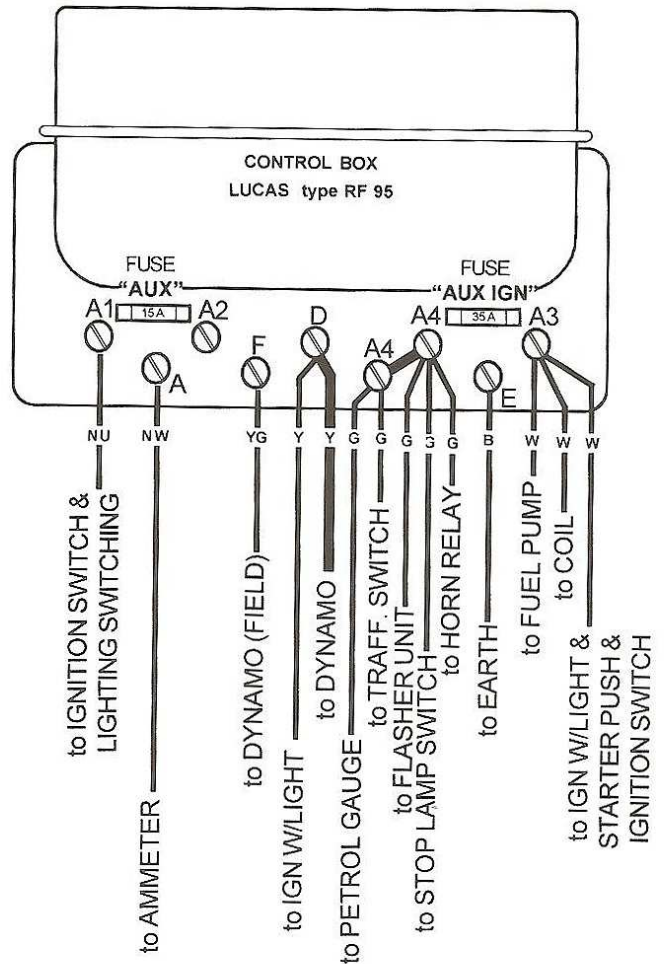
chassis Nos 660-669-667 (rhd)... & Nos 670-679-677 (lhd)...

WIRING

CONTROL BOX - FUSE BOX- SOLENOID



- FUSE 1** Head Lamps (Dip Beam)
FUSE 2 Head Lamps (Main Beam)
FUSE 3 Side lamps, Tail Lamps, Reverse lamp
FUSE 4 Cigar Lighter, Int Light

**BROWN WIRES:**

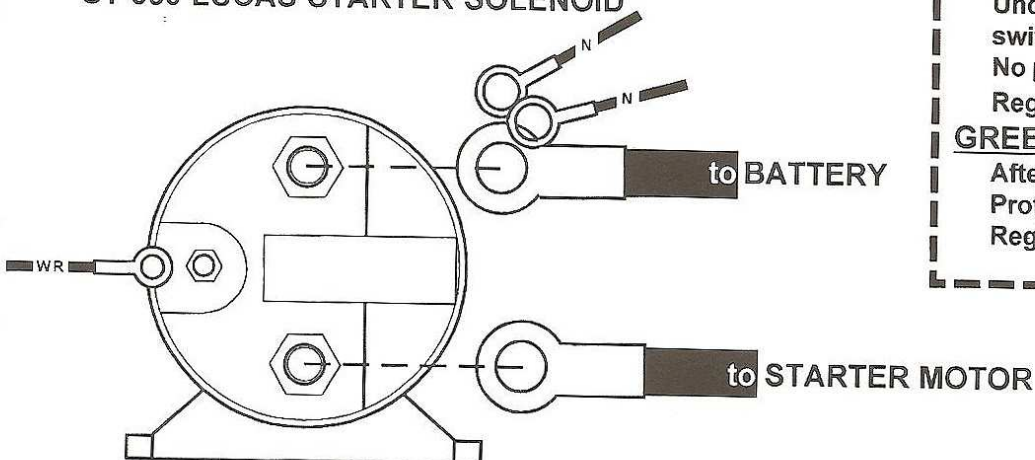
Under permanent current.
 Before ignition switch.
 Non-regulated current.

WHITE WIRES:

Under tension only after ignition switch is on.
 No protection by fuses.
 Regulated current.

GREEN WIRES:


After ignition switch.
 Protection by fuses.
 Regulated current.


ST 950 LUCAS STARTER SOLENOID

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 RHD & LHD 1951-1954 positive earth, late cars

chassis Nos 660-669-667 (rhd)... & Nos 670-679-677 (lhd)...


SNAP CONNECTOR

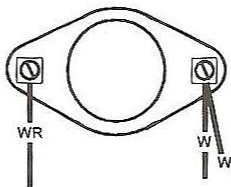

**JUNCTION BOX or
TERMINAL BLOCK**

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WIRING

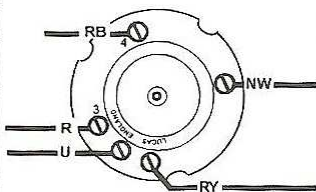
LUCAS SWITCHES

PUSH
LUCAS type 559



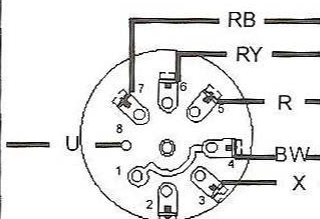
STARTER MOTOR
XK 120

SWITCH
LUCAS type PRS 5



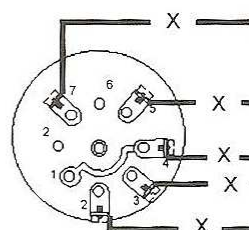
HEAD LAMPS
with Fog Lamps

SWITCH
LUCAS type PRS5



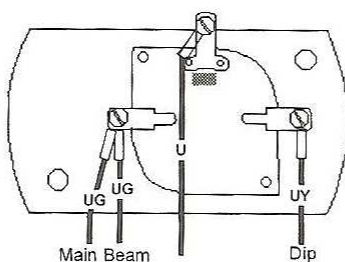
HEAD LAMPS
with Fog lamps

SWITCH
LUCAS type PRS5



HEAD LAMPS
no Fog lamps

DIPPER SWITCH
LUCAS F 522



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RHD & LHD 1951-1954 positive earth, late cars

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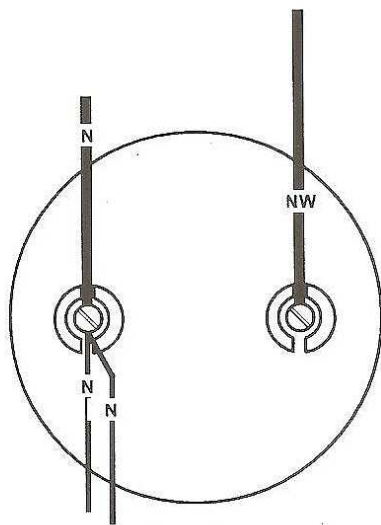
ots fhc dhc

— SNAP CONNECTOR — JUNCTION BOX or TERMINAL BLOCK

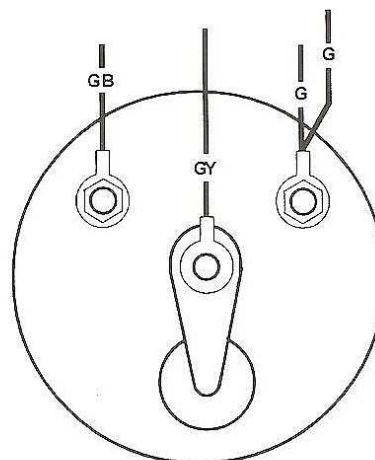
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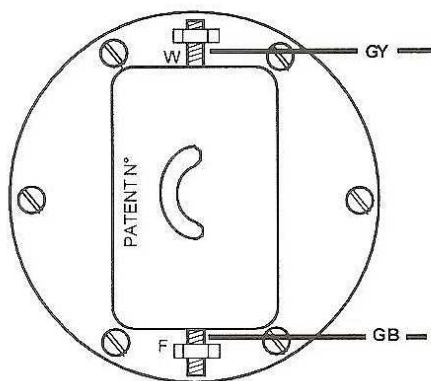
WIRING GAUGES



AMMETER
LUCAS type BM4



FUEL GAUGE
SMITHS type X



FUEL TANK UNIT
SMITHS type X

— SNAP CONNECTOR — JUNCTION BOX or TERMINAL BLOCK

KEY TO CABLE COLOURS

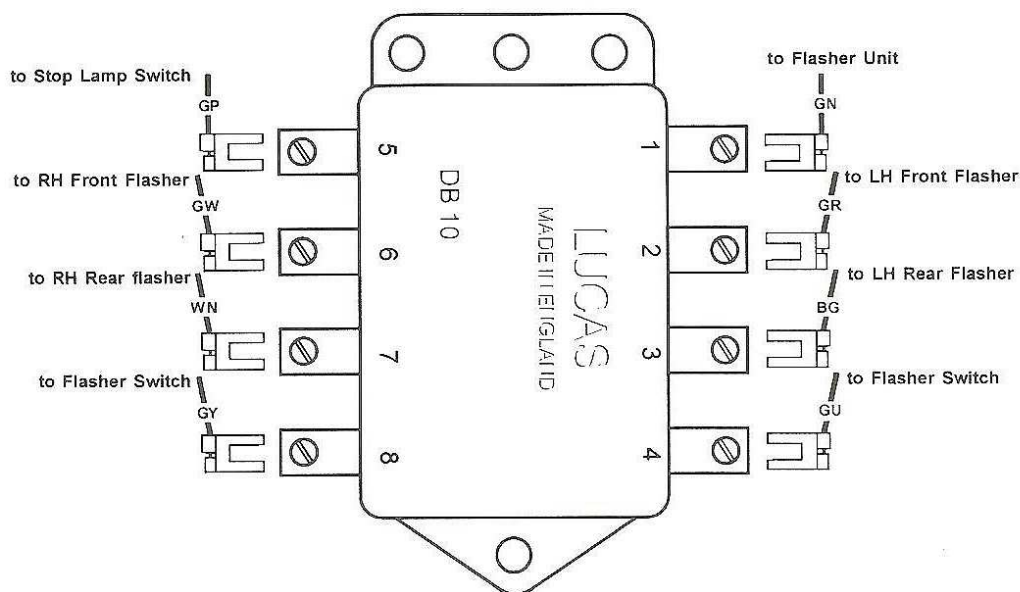
B	BLACK	K	PINK	Y	YELLOW
U	BLUE	P	PURPLE	L	LIGHT
N	BROWN	R	RED	D	DARK
G	GREEN	W	WHITE	S	SLATE

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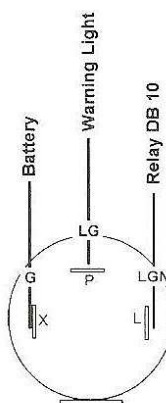
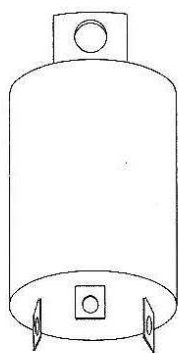
JAGUAR XK 120 3.4 litre OTS, FHC, DHC
RHD & LHD 1951-1954 positive earth, late cars

chassis N^{os} 660-669-667 (rhd)... & N^{os} 670-679-677 (lhd)...

WIRING FLASHER RELAY, SWITCH & UNIT



STOP/FLASHER RELAY
LUCAS DB 10



FLASHER UNIT
LUCAS FL5

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