

# PART 8

## SUPPLEMENT

TO

Mark VII and XK 120 Service Manual

TO COVER VARIATIONS IN TECHNICAL DATA, EQUIPMENT, ETC.

FOR

# XK 150 & XK 150 'S' MODEL

JAGUAR CARS LIMITED, COVENTRY, ENGLAND

# GENERAL INFORMATION

## XK 150 MODEL

### ENGINE

Cylinder Head	"B" type
Bore	3.2677" (83 mm)
Stroke	4.1732" (106 mm)
Compression ratio	8 to 1 (7 to 1 alternative)
Distributor contact breaker gap	.014" – .016" (.36 – .41 mm)
Sparking Plug Type	
7 to 1 compression ratio	Champion L.10.S
8 to 1 compression ratio	Champion N.8.B.
Sparking Plug Gap	.025" (.64 mm)
Ignition Timing	
8 to 1 compression ratio	6° B.T.D.C.
Valve Clearances (cold)	
Inlet	.004" (.10 mm)
Exhaust	.006" (.15 mm)
Valve Seat Angle	
Inlet	45°
Exhaust	45°
Carburettors	
– type	H.D.6.
– needles	T.L.
– Tuning	See Service Bulletin No.200

### CLUTCH

Operation	Hydraulic
Fluid	Genuine Wakefield Crimson Hydraulic Brake Fluid

### BRAKES

Type	Dunlop Disc - vacuum servo assisted Self-adjusting at both front and rear.
Fluid	Genuine Wakefield Crimson Hydraulic Brake Fluid

### Vacuum – Servo

Type	Lockheed 6 <sup>7</sup> / <sub>8</sub> " (Suspended vacuum type)
Location	At rear of left-hand front wing above battery Compartment. Cover plate secured by setscrews.

**FRONT SUSPENSION AND STEERING**

Castor angle	1½° – 2° positive
Camber angle	½° – 1° positive
Front wheel alignment	Parallel to ¼" toe-in (0-3·17 mm)

**REAR AXLE**

Type:	4 HA
Ratio	
Cars fitted with a synchromesh gearbox only	3·54·1
Cars fitted with an overdrive	4·09·1
Cars fitted with automatic transmission	3·54·1

**TYRES**

Type	6·00 x 16 Road Speed	
Pressures		
Normal driving	23 lbs per sq.in (1·6 kg/cm <sup>2</sup> )	26 lbs per sq.in (1·85 kg/cm <sup>2</sup> )
Fast driving (maintained speeds of over 100 m.p.h. (160 k.p.h.) or where comfort is not of primary importance)	30 lbs per sq. in (2·1 kg/cm <sup>2</sup> )	35 lbs per sq. in (2·5 kg/cm <sup>2</sup> )

**ELECTRICAL**

Batteries	2 – 6 volt
Location	One under each Front wing; accessible through door retained by two fasteners.

**CAPACITIES**

	Imperial	U.S.	Litres
Engine – refill	13 pints	15½ pints	7½
Engine total	15 "	18 "	8½
Gearbox (without overdrive)	2½ "	3 "	1½
Gearbox (with overdrive)	4 "	4¾ "	2¼
Automatic transmission unit	15 "	18 "	8½
Rear axle	3½ "	4¼ "	2
Cooling system (including heater)	23 "	27¼ "	13
Petrol tank	14 galls	16¾ galls	63½

# GENERAL INFORMATION

## XK 150 'S' MODEL

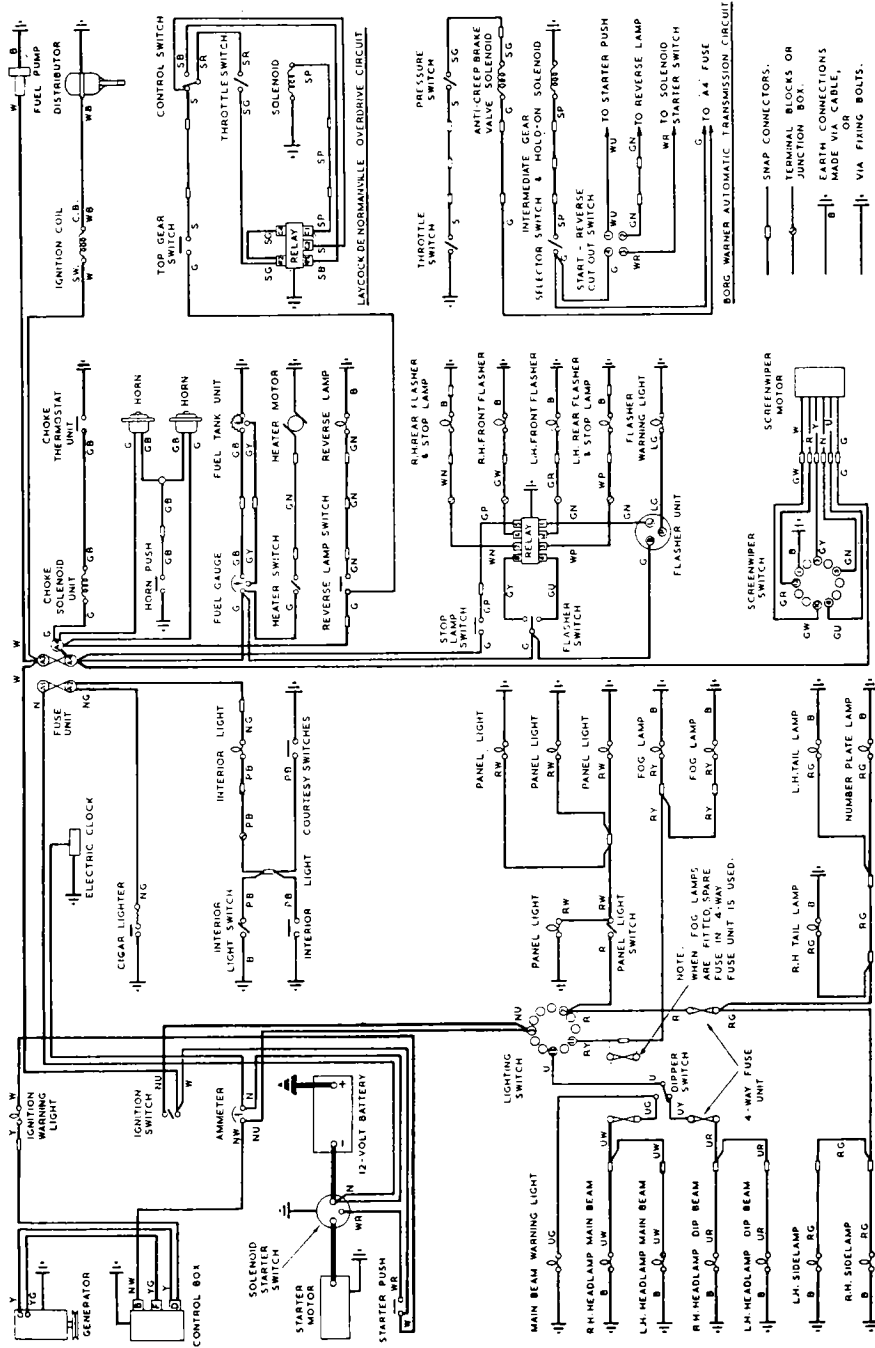
The XK.150 'S' model is of the Open 2-seater type but the specification differs from the standard model in the following respects:—

Cylinder Head	Straight port type (painted Old Gold)	
Compression Ratio	9 to 1	
Brake Horse Power	250 b.h.p. at 5500 r.p.m.	
Carburettors	Triple S.U. 2" HD8 type (Jet needle type UE)	
Flywheel	Lightened type	
Clutch	High pressure (for racing use special driven plate with cemented linings).	
Main and Big-end Bearings	Lead Bronze	
Petrol Pump	Twin	
Petrol Feed Line Filter	Glass bowl type	
Sparking Plugs		
Normal Touring	Champion N.5 (or NA.8)	
Racing	Champion N.3 (or NA.10)	
Valve clearances	Inlet	Exhaust
Normal Touring	·004" (:10 mm)	·006" (:15 mm)
Racing	·006" (:15 mm)	·010" (:25 mm)
Valve Seat Angle		
Inlet and Exhaust	45°	
Ignition Timing		
Normal Touring & Racing	9° B.T.D.C.	
Brake Friction Pads	Quick Change type	



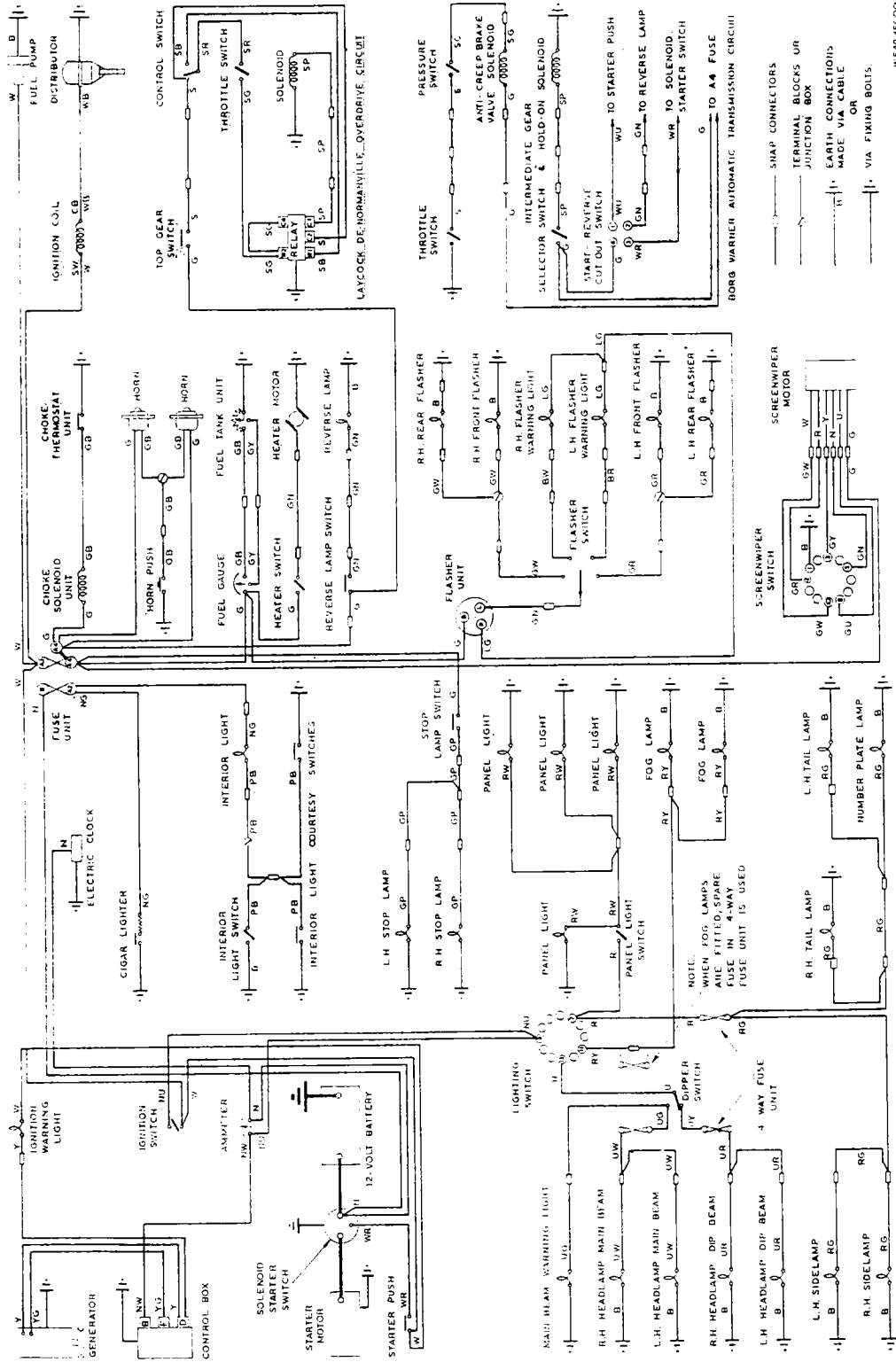
XK150 CARS (1957)

HOME AND EXPORT MODELS



CABLE COLOUR CODE

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



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**JAGUAR XK150 CARS**  
 With Separate Stop Lamp and Direction Indicator Circuits  
 (1959) HOME AND EXPORT MODELS

**WIRING DIAGRAM**  
**No. W549 45600**

W549 45600

SNAP CONNECTORS  
 TERMINAL BLOCKS UR  
 JUNCTION BOX  
 EARTH CONNECTIONS  
 MADE VIA CABLE  
 OR  
 VIA FIXING BOLTS.