

**AIRFIX**  
CONSTRUCTION KIT

**1/32 SCALE MODEL CAR**

## **JAGUAR 420**

Throughout the world today the name Jaguar signifies a special kind of motoring which no other car can offer; an enviable reputation built up by a succession of high performance saloon and sports cars which have formed a progressive series of landmarks in automobile engineering. The '420' saloon fully upholds the traditional Jaguar standards of quality and refinement and is aimed at the most competitive and fastest growing section of the market, that of the medium sized saloon. The '420' model incorporates all the most advanced technical features which have been proved in the company's big saloons and grand touring models.

The '420' is powered by a new version of the race proved 'XK' engine, a 4.2 litre unit with twin carburettors, developing 245 b.h.p. and providing high rates of acceleration and extremely flexible top gear performance throughout the speed range. Both manual and automatic transmissions are available and to the manual-change four speed all synchromesh gearbox can be added an electrically controlled overdrive unit operating on top gear only.

A high performance car places a premium on both suspension and brakes and in these respects the '420' is particularly well equipped for fully independent suspension is fitted at both front and rear and servo-assisted Girling disc brakes are fitted to all four wheels, the front located on the wheel hubs while the rear are fitted inboard to reduce unsprung weight. Precise and light steering is ensured by the Burman recirculating ball type steering which gives a  $33\frac{1}{2}$  ft. turning circle and power assisted steering is available as an optional extra.

The interior of the car is lavishly equipped and luxuriously furnished. Individual front seats are fitted, each being provided with reclining type squabs, centre arm rests and a combined height and reach adjustment. This feature, together with the adjustable steering wheel, enables all drivers to find exactly their most comfortable steering position. All seats are upholstered in finest quality leather and the wide rear seat will accommodate three adults, or two in armchair comfort if the wide folding central armrest is brought into use. A comprehensive range of instruments is provided and these, together with the row of clearly labelled switches controlling the electrical equipment, are mounted in a polished walnut instrument panel. Extensive use is made of protective padding around the panel and parcel shelf.

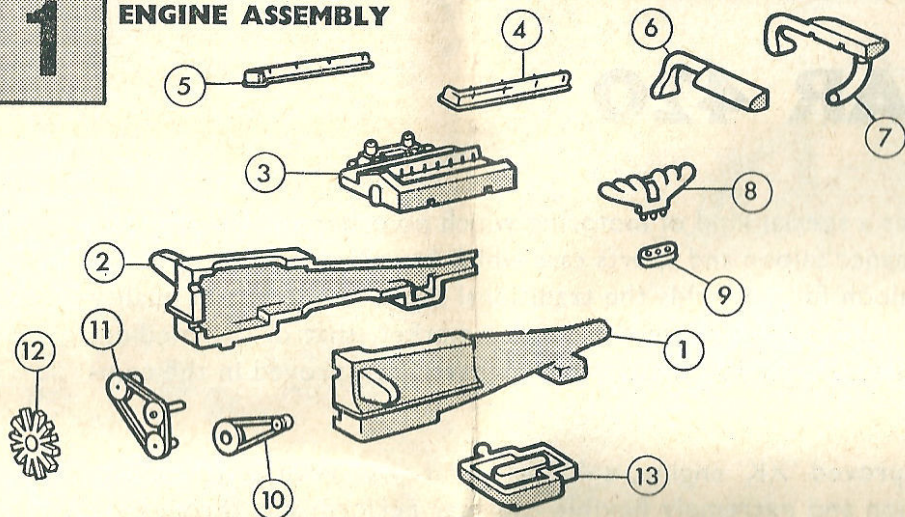
Overall length is 15 ft.  $7\frac{3}{4}$  ins. and width is 5 ft.  $6\frac{3}{4}$  ins.

## INSTRUCTIONS

PAINT ALL DETAILS AND LET DRY BEFORE ASSEMBLING (SEE SECTION 5)  
N.B. FOR PAINTING USE "AIRFIX" PAINTS, FOR FIXING USE "AIRFIX" POLYSTYRENE CEMENT

# 1

### ENGINE ASSEMBLY

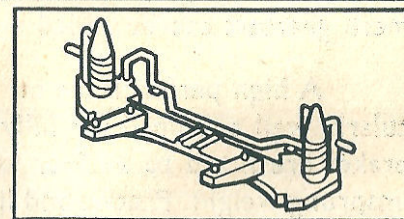
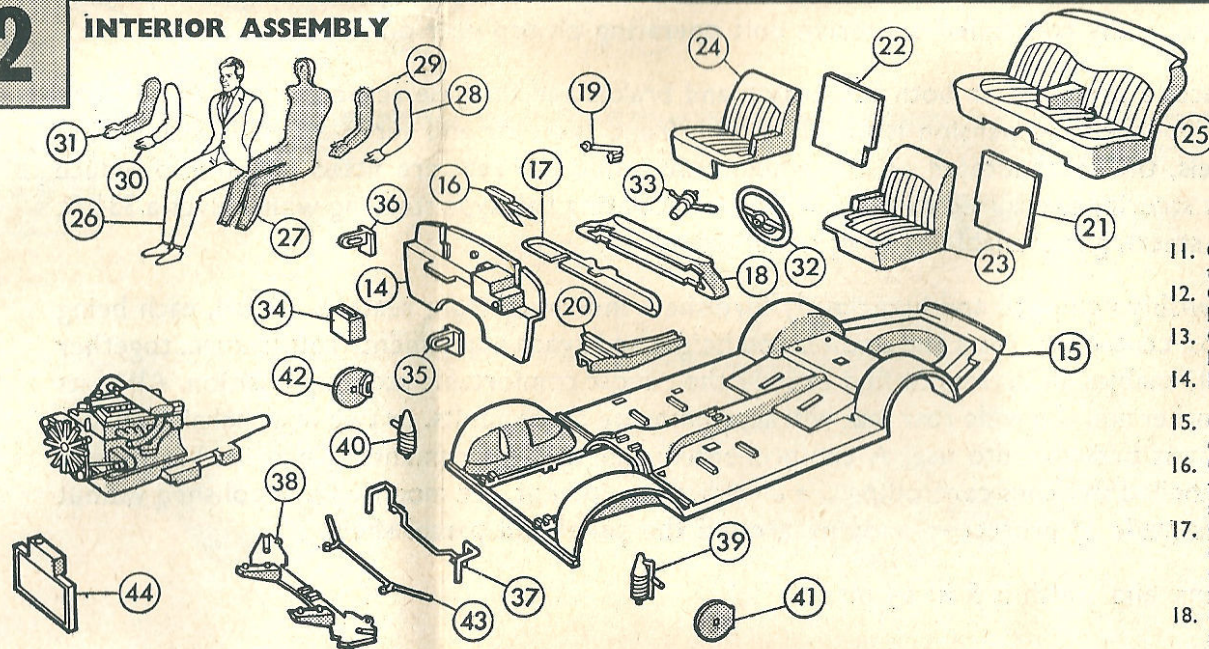


It is recommended that the instructions and exploded views are studied before commencing assembly. Note that some parts are best painted before assembly. Parts should be as drawn and any moulded tabs adhering to parts removed before assembly.

1. Cement engine block halves (1, 2) together.
2. Locate and cement rib beneath cylinder head (3) into slot formed at top of engine block.
3. Locate and cement camshaft covers (4, 5) onto locating pins on top nearside and offside of cylinder head.
4. Locate and cement air filter halves (6, 7) together, set aside to dry.
5. Cement locating pins on exhaust manifold (8) into small holes in exhaust manifold bracket (9) then cement lugs on manifold into cutouts in nearside of cylinder head.
6. Cement offside of air filter centrally to side of carburettors on cylinder head and onto pins on top of engine assembly.
7. Cement square locating pin on alternator belt (10) into lower locating hole in front of engine block and smaller locating pin to face of nearside projection on block.
8. Cement lower locating pin on fan belt (11) into recess in alternator belt, long locating pin into upper locating hole in front of engine block and large boss to face of offside projection on block.
9. Cement peg on fan (12) into recess in fan belt.
10. Cement rib on sump bottom (13) into slot below engine block, set assembly aside to dry. (Diagram 2 shows completed engine.)

# 2

### INTERIOR ASSEMBLY



11. Cement bulkhead (14) against ribs on top and front of transmission tunnel on chassis (15).
12. Cement pedals (16) to lower offside location on rear of bulkhead.
13. Cement parcel shelf (17) on lower ribs at rear of bulkhead.
14. Locate and cement dashboard (18) on ribs to top and rear of bulkhead.
15. Cement tab on brake lever (19) into offside slot in chassis in line with offside front seat locations.
16. Cement console (20) over ribs on top of transmission tunnel on chassis, forward end fitting beneath parcel shelf and against rear of bulkhead.
17. Cement front seat backs (21, 22) into nearside (23) and offside (24) front seats then cement seats over ribs on chassis, cut outs in seats fitting over sides of transmission tunnel.
18. Cement rear seat (25) over transmission tunnel and against rear wheel arches on chassis.

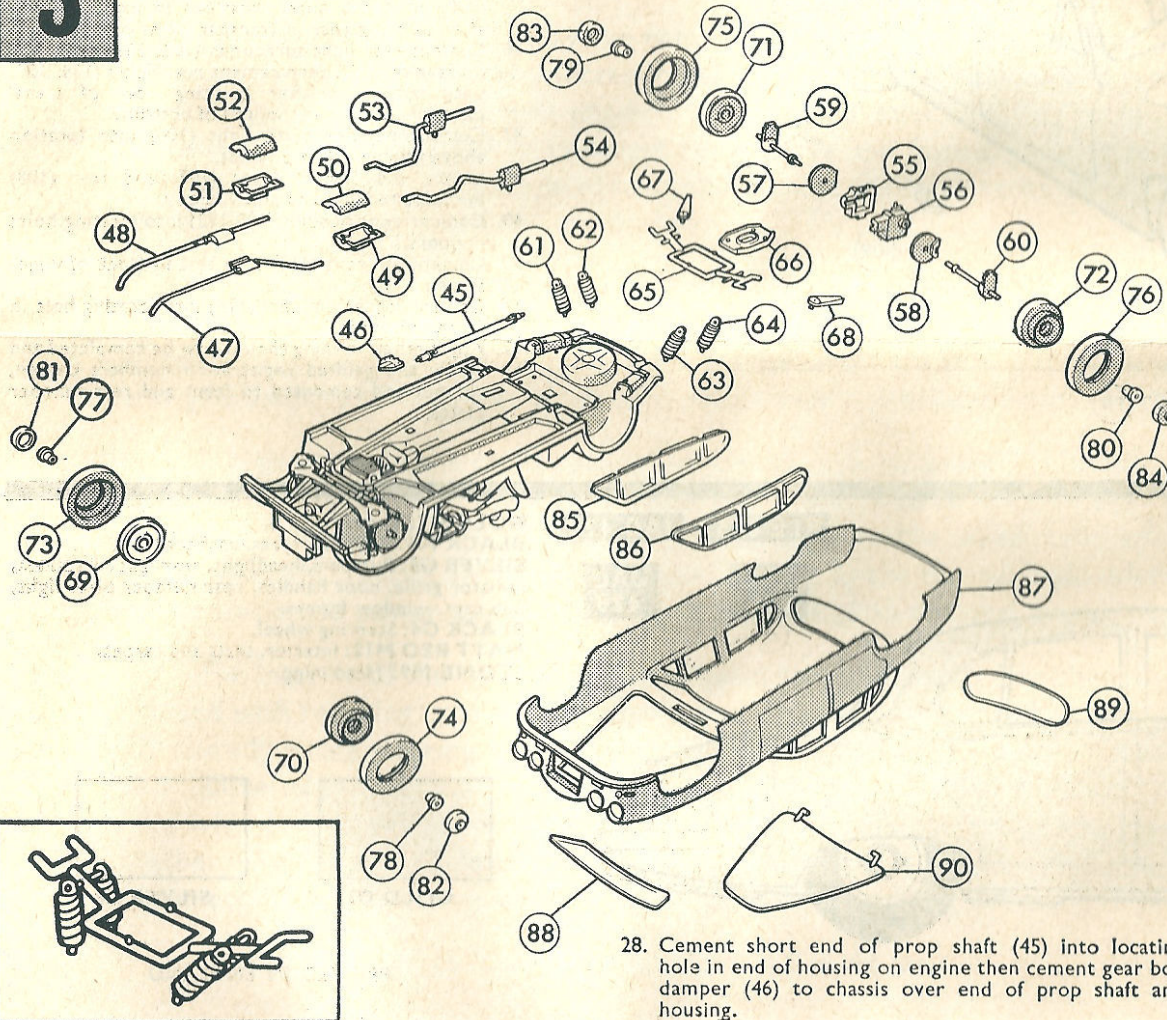
19. Cement driver's body halves (26, 27), halves of left arm (28, 29), halves of right arm (30, 31) together, set aside to dry.
20. Locate and cement steering wheel (32) to steering column (33) then cement driver's body to seat, steering column to dashboard location and driver's arms to driver's body in position desired.
21. Cement battery (34) to shelf on offside front of bulkhead.
22. Cement tabs on bonnet brackets (35, 36) into slots in

- top of dashboard and into cut outs in bulkhead.
23. Cement locating pins on anti-roll bar (37) into recesses in brackets on rear of front suspension member (38) then cement locating pins on bottom of nearside (39) and offside (40) front suspension units into locating holes in grooves in front suspension member, axles on units at right angles to chassis. (See inset.) Locate and cement assembly into locating holes in wheel arches and locating holes in front chassis side members (anti-roll bar fitting between ribs).

24. Cement brake discs (41, 42) onto front axles (detail to inside).
25. Locate and cement track rod (43) into holes in front chassis side members and inside of brake discs.
26. Locate and cement engine assembly into engine compartment and locate onto chassis front suspension member.
27. Locate and cement radiator (44) to top and front of chassis between ribs.

# 3

## CHASSIS & BODY ASSEMBLY ETC.

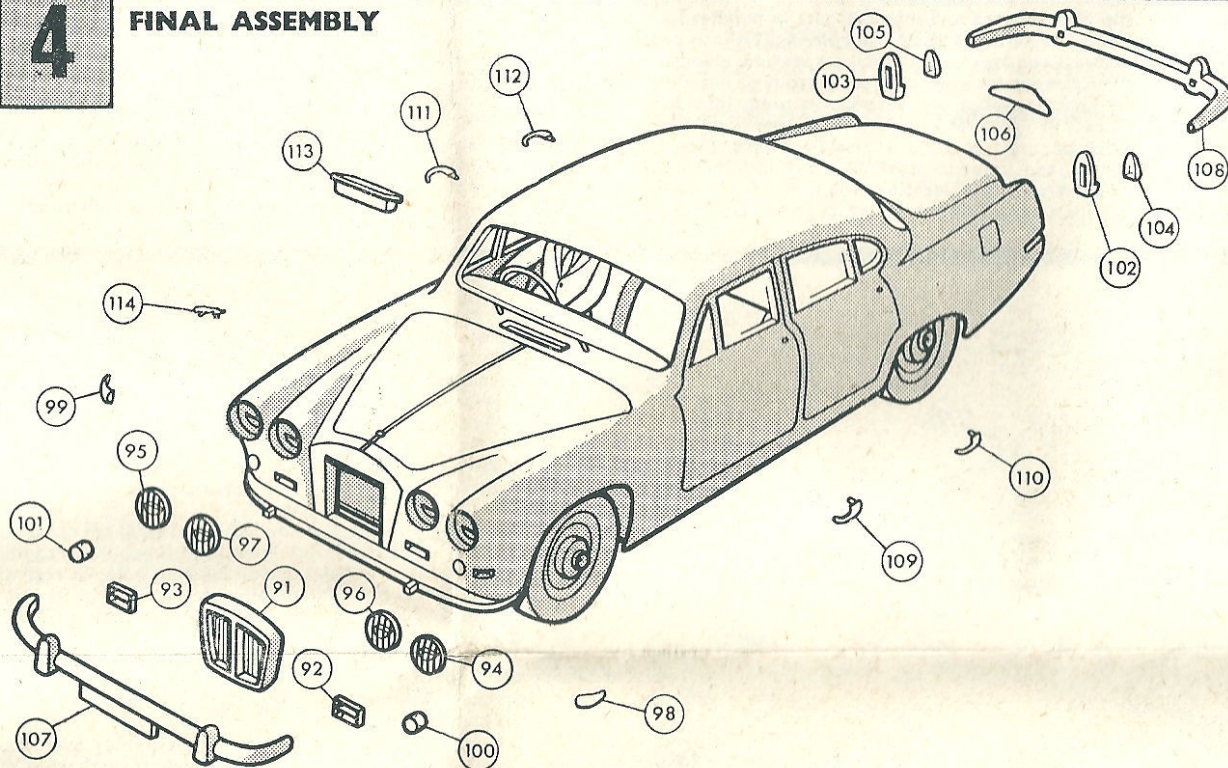


29. Locate and cement upper (47) and lower (48) halves of front exhaust together.
30. Locate and cement exhaust box halves (49-52) together then cement tabs on exhaust boxes into slots on underside of chassis.
31. Locate and cement ends of front exhaust into exhaust boxes then cement tab on front exhaust into slot in chassis and curved ends of exhaust pipes into locating holes in manifold bracket.
32. Locate and cement nearside (53) offside (54) tail exhausts into rear ends of exhaust boxes, locating pins on top of silencers into near and offside locating holes in rear of chassis beside fuel tank detail.
33. Locate and cement differential unit halves (55, 56) together.
34. Cement disc brakes (57, 58) onto square location on stub axles (59, 60) detail to outside with stub axle bracket laying vertically then locate and cement into differential unit.
35. Locate and cement differential unit assembly over end of prop shaft, tab cemented into slot in underside of chassis.
36. Cement bottom of rear springs (61-64) onto locating pins on rear independent suspension (65), springs angled inwards so that locating pins are vertical (see inset), then cement ends of springs into locations beneath chassis and brackets on end of independent suspension around tabs on stub axle brackets.
37. Locate and cement rear suspension plate (66) to underside of rear independent suspension and locating pin on Panhard arms (67, 68) into corresponding locating hole in nearside and offside chassis members and to edge of independent suspension brackets.
38. Cement wheels (69-72) flush into tyres (73-76). Insert hubs (77-80) through centre of wheels, DO NOT CEMENT, place onto front and rear axles and secure with a drop of cement on ends of axles, keeping cement from wheels, then cement hub caps (81-84) into outer sides of wheels.
40. From inside cement side window transparencies (85, 86) into body (87) carefully applying cement to window surrounds only. Similarly from outside cement in position windscreen (88) and rear window (89) transparencies, then locate and cement body to chassis.
41. Spring pivot pins on bonnet (90) into slots in bonnet brackets if desired bonnet may be cemented in open or closed position.

28. Cement short end of prop shaft (45) into locating hole in end of housing on engine then cement gear box damper (46) to chassis over end of prop shaft and housing.

## 4

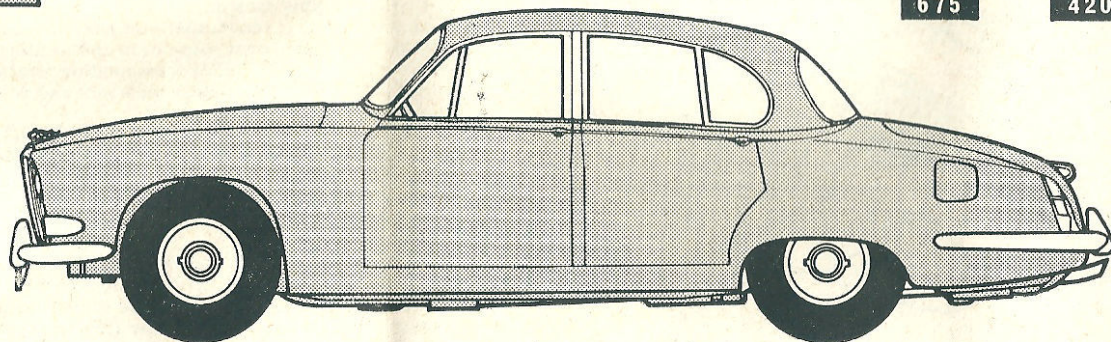
## FINAL ASSEMBLY



42. Cement radiator grille (91) into front of body.
43. Cement air intakes (92, 93) into slots either side of radiator grille.
44. Locate and cement headlight transparencies with large "D" locations (94, 95) to outer headlight recesses in front of body. Similarly locate and cement headlights with small "D" locations (96, 97) to inner recesses after first painting rear of transparencies silver. Similarly paint, position, and cement sidelights (98, 99) into small circular locations in front of body.
45. Locate and cement traffic indicator transparencies (100, 101) into outer locations in front of body after painting rear of transparencies orange.
46. Cement rear light surrounds (102, 103) over tabs on rear of body, then cement rear lights (104, 105) onto surrounds after painting rear of transparencies orange at top, red of bottom.
47. Cement number plate light (106) into location above number plate on boot.
48. Locate and cement front (107) and rear (108) bumpers to front and rear of body.
49. Cement door handles (109-112) into locating holes in doors.
50. Cement air vent (113) into slot in front of windscreen.
51. Cement Jaguar emblem (114) into locating hole in front of bonnet.
52. Any further painting should now be completed and finally the painted registration numbers chosen, cut out and cemented to front and rear number plates.

## 5

## COLOUR SCHEME



RLL 675

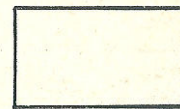
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**GOLD G7:** Body.  
**BLACK M6:** Radiator, tyres, dashboard.  
**SILVER G8:** Bumpers, headlight, rearlight surrounds, radiator grille, door handles, rear number plate light, hub caps, window frames.  
**BLACK G4:** Steering wheel.  
**MATT RED M12:** Interior, seats and carpet.  
**STONE M9:** Headlining.



GOLD G7



SILVER G8