



**EXPLODED VIEW OF GEARBOX ASSEMBLY - BURMAN, MODELS CP AND BA**  
**For all ariel models 1936 -1948/9**

1. Sector spindle bush.
2. Gearbox cover (inner).
3. Camshaft bush (K.S. case).
4. Gearbox cover stud.
5. Layshaft spindle bush.
6. Mainshaft bearing.
7. K.S. spindle bush (inner)
8. K.S. stop peg rubber.
9. K.S. spindle.
10. K.S. quadrant.
11. K.S. spindle.
12. K.S. spindle grease nipple.
13. Layshaft spindle.
14. K.S. lever.
15. Third gear, layshaft.
16. First gear, layshaft.
17. Layshaft clutch.
18. K.S. lever pedal.
19. Second gear, layshaft.
20. Layshaft small gear.
21. Operating fork (layshaft).
22. Operating fork (mainshaft).
23. Gearbox stud.
24. Gearbox shell.
25. Driving gear bearing.
26. Bearing retaining ring.
27. Driving gear inner washer (lipped).
28. Driving gear felt washer.
29. Driving sprocket spacing collar.
30. Driving gear outer washer (flat).
31. Driving gear locating ring (split).
32. Driving sprocket.
33. Driving gear nut.
34. Sector spindle.
35. Gear sector, quadrant and ratchet assembly.
36. Pawl.
37. Control quadrant.
38. Ratchet sleeve.
39. Camshaft rollers.
40. Pinion formed on camshaft.
41. Ratchet nut.
42. Driving ratchet.
43. Ratchet pinion.
44. Ratchet pinion spring.
45. Third gear mainshaft.
46. Operating peg.
47. Mainshaft sliding gear.
48. Driving gear.
49. Camshaft.
50. Gearbox grease nipple.
51. Gearbox filler plug.
52. Gearbox adjustment peg.
53. Clutch operating rod.
54. Clutch operating plunger.
55. Clutch operating lever.
56. Main spring.
57. Pawl spring.
58. Spring box.
59. Cover plate for spring box.
60. Foot control lever.
61. Foot control lever rubber.
62. Clutch spring adjusting nut.
63. Clutch spring.
64. Clutch spring cup.
65. Spring plate.
66. Clutch plain plate.
67. Clutch plate fitted fabric inserts.
68. Fabric insert.
69. Clutch spring stud.
70. Clutch centre.
71. Chain wheel centre bolt.
72. Chain wheel centre tab washer.
73. Clutch case.
74. Clutch-case band.
75. Mainshaft nut, clutch end.
76. Mainshaft nut plain washer.
77. Thrust washer (keyed).
78. Needle roller cage.
79. Thrust washer (plain).
80. Needle roller.
81. Chain wheel.
82. Mainshaft nut lock washer.