

# AMAL carb data for Ariel Motorcycles 1940-1954 (remote float) and 1955-1961 (monoblock):



## 1940 to 1954 (inclusive) SETTINGS AND SPARE PARTS LIST

LIST No. 601/2  
(ISSUE NO. 2)

| Machine and Engine Details |                    |         | ENGINE END DETAILS   |                     |               |                                      |                |                    |                    | JET BLOCK |          | JET SIZE |                |                 |            |                      | Float Chbr. Body Part No. | Spare Parts List No. |  |
|----------------------------|--------------------|---------|----------------------|---------------------|---------------|--------------------------------------|----------------|--------------------|--------------------|-----------|----------|----------|----------------|-----------------|------------|----------------------|---------------------------|----------------------|--|
| Capacity                   | Model              | Year    | Carburettor Type No. | Mix. Chbr. Body No. | Internal Bore | Centre Line of Body to Face of Fl'ge | Flange Centres | Dia. of Bolt Holes | Dia. at Engine End | Part No.  | Size No. | Jet Size | Throttle Valve | Needle Position | Needle Jet | Float Chbr. Type No. | Float Chbr. Body Part No. | Spare Parts List No. |  |
| ARIEL                      |                    |         |                      |                     |               |                                      |                |                    |                    |           |          |          |                |                 |            |                      |                           |                      |  |
| 197 O.H.V.                 | Colt, LH           | 1954    | 275BU/1EM            | 275/004R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 205/057R  | 28       | 75       | 5/3            | 3               | Std.       | 1EM (7°)             | 64/192B                   | 440                  |  |
| 350 O.H.V.                 | NH (Ex W.D.)       | 1940-45 | 76A/2N               | 76/014              | 1"            | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 6/058     | 45       | 150      | 6/4            | 3               | -107       | 2N (15°)             | 64/187                    | 440                  |  |
| 350 O.H.V.                 | NG (Ex W.D.)       | 1940-45 | 75B/2N               | 75/014              | 1"            | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 5/058     | 33       | 110      | 5/4            | 3               | Std.       | 2N (15°)             | 64/187                    | 440                  |  |
| 350 O.H.V.                 | W/NG (Ex W.D.)     | 1940-45 | 275A/2N              | 275/014R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 205/058R  | 33       | 120      | 5/4            | 3               | Std.       | 2N (15°)             | 64/187                    | 440                  |  |
| 350 O.H.V.                 | W/NG (Ex W.D.)     | 1940-45 | 275B/1J              | 275/014R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 205/058R  | 33       | 120      | 5/4            | 3               | Std.       | 1J (15°)             | 64/186                    | 440                  |  |
| 500 O.H.V.                 | VG (Ex W.D.)       | 1940-45 | 76C/2N               | 76/024              | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 6/059     | 51       | 170      | 6/4            | 3               | Std.       | 2N (15°)             | 64/187                    | 440                  |  |
| 500 O.H.V.                 | VA (Ex W.D.)       | 1940-45 | 276E/6BC             | 276/112R            | 1"            | 2 1/2"                               | 2"             | 1 1/8"             | 1"                 | 206/058R  | 45       | 140      | 6/4            | 3               | -107       | 6BC (15°)            | 14/603                    | 440                  |  |
| 347 O.H.V.                 | NG                 | 1946-50 | 276S/1J              | 276/400R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 205/058R  | 33       | 120      | 5/4            | 3               | Std.       | 1J (15°)             | 64/186                    | 440                  |  |
| 347 O.H.V.                 | NH                 | 1946-54 | 276AZ/1J             | 276/412R            | 1"            | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 206/058R  | 45       | 150      | 6/4            | 3               | -107       | 1J (15°)             | 64/186                    | 440                  |  |
| 498 O.H.V.                 | VG                 | 1946-50 | 276BB/1J             | 276/413R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 206/059R  | 51       | 170      | 6/4            | 3               | Std.       | 1J (15°)             | 64/186                    | 440                  |  |
| 497 O.H.V.                 | VH Red Hunter      | 1946-51 | 289D/1BM             | 289/403R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 229/069R  | 58       | 200      | 29/3           | 3               | Std.       | 1BM (15°)            | 64/186B                   | 440                  |  |
| 497 O.H.V.                 | VH Red Hunter      | 1952-54 | 289S/1K              | 289/403R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 229/069R  | 58       | 200      | 29/3           | 3               | Std.       | 1K                   | 64/186B                   | 440                  |  |
| 497 O.H.V.                 | HS Scrambler       | 1954    | 10TT9                | 175/048RR           | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 175/101D  | 1 1/2"   | 380      | 6              | 4               | -109       | 14/534 (15°)         | 14/225R                   | 449                  |  |
| 498 O.H.V.                 | KG Standard        | 1946-49 | 276DA/1DU            | 276/004R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 206/057R  | 39       | 140      | 6/3            | 3               | -107       | 1DU                  | 64/156B                   | 440                  |  |
| 498 O.H.V.                 | KG Standard        | 1950-52 | 276EF/1C             | 276/004R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 206/057R  | 39       | 140      | 6/3            | 3               | -107       | 1C                   | 64/156B                   | 440                  |  |
| 498 O.H.V.                 | KH Red Hunter      | 1946-49 | 276DE/1DU            | 276/014R            | 1"            | 1 1/2"                               | 2"             | 1 1/8"             | 1"                 | 206/058R  | 45       | 150      | 6/3            | 3               | -107       | 1DU                  | 64/156B                   | 440                  |  |
| 498 O.H.V.                 | KH Red Hunter      | 1950-54 | 276EG/1C             | 276/014R            | 1"            | 1 1/2"                               | 2"             | 1 1/8"             | 1"                 | 206/058R  | 45       | 150      | 6/3            | 3               | -107       | 1C                   | 64/156B                   | 440                  |  |
| 500 C.C.                   | Twin, R.H. (K.H.)  | 1953-54 | 276FQ/1B             | 276/014R            | 1"            | 1 1/2"                               | 2"             | 1 1/8"             | 1"                 | 206/058R  | 45       | 150      | 6/3            | 3               | -107       | 1B                   | 64/156B                   | 440                  |  |
| 598 S.V.                   | VB                 | 1946-54 | 276BP/1J             | 276/112R            | 1"            | 2 1/2"                               | 2"             | 1 1/8"             | 1"                 | 206/058R  | 45       | 160      | 6/4            | 3               | Std.       | 1J (15°)             | 64/186                    | 440                  |  |
| 646 O.H.V.                 | FH Twin Huntmaster | 1954    | 276GJ/1DB            | 276/427R            | 1 1/8"        | 1 1/2"                               | 2"             | 1 1/8"             | 1 1/8"             | 206/059R  | 51       | 170      | 6/4            | 2               | Std.       | 1DB (7°)             | 64/195                    | 440                  |  |

## 1955-1961 SETTINGS LIST

1957

List No. 601/3 (Issue No. 2)

| MACHINE AND ENGINE DETAILS |                         |          | ENGINE END DETAILS   |                         |               |                                       |                |                        |                        | JET BLOCK |          | JET SIZE |       | JET SIZE       |                 |            | Float Chamber Body Part No. | Banjo Part No.              | SPECIAL DETAILS | Spare Parts List No.                           |                      |       |  |
|----------------------------|-------------------------|----------|----------------------|-------------------------|---------------|---------------------------------------|----------------|------------------------|------------------------|-----------|----------|----------|-------|----------------|-----------------|------------|-----------------------------|-----------------------------|-----------------|--|----------------------|-------|--|
| Capacity                   | Model                   | Year     | Carburettor Type No. | Mixing Chamber Body No. | Internal Bore | Centre Line of Body to Face of Flange | Flange Centres | Diameter of Bolt Holes | Diameter at Engine End | Part No.  | Size No. | Main     | Pilot | Throttle Valve | Needle Position | Needle Jet | Float Chamber Type No.      | Float Chamber Body Part No. | Banjo Part No.  | SPECIAL DETAILS                                | Spare Parts List No. |       |  |
| ARIEL—continued            |                         |          |                      |                         |               |                                       |                |                        |                        |           |          |          |       |                |                 |            |                             |                             |                 |  |                      |       |  |
| 497 O.H.V.                 | KH Fieldmaster Twin     | 1955-8   | 376/7                | 376/002                 | 1"            | 1 1/2"                                | 2"             | 1 1/8"                 | 1"                     | 376/056   | 1"       | 200      | 30    | 376/3 1/2      | 3               | -106       | Monobloc                    | —                           | 376/090         |  |                      | 102/2 |  |
| 497 O.H.V.                 | HS "R" Hunter Scrambles | 1956-7-8 | 389/11               | 389/004                 | 1 1/8"        | 1 1/2"                                | 2"             | 1 1/8"                 | 1 1/8"                 | 389/058   | 1 1/2"   | 380      | 30    | 389/3 1/2      | 3               | -106       | Monobloc                    | —                           | 376/090         | FERRULE 6/132A                                 |                      | 102/2 |  |
| 497 O.H.V.                 | HT5 "R" Hunter Trials   | 1956-7-8 | 376/64 T             | 376/003                 | 1 1/8"        | 1 1/2"                                | 2"             | 1 1/8"                 | 1 1/8"                 | 376/057   | 1 1/2"   | 200      | 30    | 376/3          | 3               | -106 T     | Monobloc                    | —                           | 376/090         | FERRULE 6/132A                                 |                      | 102/2 |  |
| 500 O.H.V.                 | Scrambler               | 1955-8   | T10TT9               | 175/048RR               | 1 1/8"        | 1 1/2"                                | 2"             | 1 1/8"                 | 1 1/8"                 | 175/101D  | 1 1/2"   | 400      | —     | 6              | 3               | -109       | 14/534 (15°)                | 14/225R                     | 14/249          |  |                      | 607/2 |  |
| 598 S.V.                   | VB Model                | 1955-8   | 376/13               | 376/002                 | 1"            | 1 1/2"                                | 2"             | 1 1/8"                 | 1"                     | 376/056   | 1"       | 220      | 30    | 376/5          | 2               | -106       | Monobloc                    | —                           | 376/090         |  |                      | 102/2 |  |
| 646 O.H.V.                 | FH Huntmaster Twin      | 1955-8-9 | 376/12               | 376/003                 | 1 1/8"        | 1 1/2"                                | 2"             | 1 1/8"                 | 1 1/8"                 | 376/057   | 1 1/2"   | 240      | 25    | 376/3 1/2      | 3               | -106       | Monobloc                    | —                           | 376/090         | FERRULE 6/132A                                 |                      | 102/2 |  |
| ARIEL                      |                         |          |                      |                         |               |                                       |                |                        |                        |           |          |          |       |                |                 |            |                             |                             |                 |  |                      |       |  |
| 197 O.H.V.                 | L.H. Colt               | 1955-8   | 376/5                | 376/004                 | 1 1/8"        | 1 1/2"                                | 2"             | 1 1/8"                 | 1 1/8"                 | 376/058   | 1 1/2"   | 110      | 25    | 376/3 1/2      | 2               | -105       | Monobloc                    | —                           | 376/090         | FERRULE 6/132A                                 |                      | 102/2 |  |
| 250 C.C.                   | Twin, 2-Stroke "Leader" | 1958-61  | 376/33               | 376/027                 | 1"            | 1 1/2"                                | 2"             | 1 1/8"                 | 1"                     | 376/106   | 1"       | 170      | 30    | 376/3 1/2      | 3               | -105       | Monobloc                    | —                           | 376/130         | SPECIAL TINY STRANGLER THROTTLE SPRING 375/067 |                      | 102/2 |  |
| 350 O.H.V.                 | NH Hunter               | 1955-8   | 376/8                | 376/002                 | 1"            | 1 1/2"                                | 2"             | 1 1/8"                 | 1"                     | 376/056   | 1"       | 200      | 25    | 376/3 1/2      | 3               | -106       | Monobloc                    | —                           | 376/090         |  |                      | 102/2 |  |
| 350 O.H.V.                 | HT3 "R" Hunter Trials   | 1957-8   | 376/8                | 376/002                 | 1"            | 1 1/2"                                | 2"             | 1 1/8"                 | 1"                     | 376/056   | 1"       | 200      | 25    | 376/3 1/2      | 3               | -106       | Monobloc                    | —                           | 376/090         |  |                      | 102/2 |  |
| 497 O.H.V.                 | VH Hunter               | 1955-8-9 | 376/11               | 376/003                 | 1 1/8"        | 1 1/2"                                | 2"             | 1 1/8"                 | 1 1/8"                 | 376/057   | 1 1/2"   | 200      | 30    | 376/3 1/2      | 3               | -106       | Monobloc                    | —                           | 376/090         | FERRULE 6/132A                                 |                      | 102/2 |  |

SPECIAL NOTE. Needle Jets Size -106 are standard and are not usually stamped with the size. Carburettor marked "T" after Carburettor Type No. are fitted with Needle Jets less Bleed Hole.