

# B.S.A. CYCLES Ltd.

(Proprietors: The Birmingham Small Arms Company Limited.)

## CARBURETTER JET SIZES FOR 1924-31 MODELS.

SERVICE SHEET No. 21.  
"Service," April 1932.

| MODEL                                 | 1924<br>AND<br>1925<br>AMAC | 1926<br>AND<br>1927<br>AMAC | 1928 AMAC              |          |                    | 1929 AMAC AND AMAL     |          |                    | 1930 AMAC AND AMAL     |          |                    | 1931 AMAL              |             |                    |
|---------------------------------------|-----------------------------|-----------------------------|------------------------|----------|--------------------|------------------------|----------|--------------------|------------------------|----------|--------------------|------------------------|-------------|--------------------|
|                                       |                             |                             | With<br>Air<br>Cleaner | Standard | Needle<br>Position | With<br>Air<br>Cleaner | Standard | Needle<br>Position | With<br>Air<br>Cleaner | Standard | Needle<br>Position | With<br>Air<br>Cleaner | Standard    | Needle<br>Position |
| 1.74 (all types) ... ..               | —                           | —                           | 30                     | 32       | 1                  | 30†                    | 32       | 1                  | *28                    | —        | 1                  | —                      | —           | —                  |
| 2.49 S.V. (all types) ... ..          | 28                          | 31                          | 32                     | 33       | 2                  | 32†                    | 33       | 2                  | 65                     | 70       | 3                  | 65                     | 70          | 3                  |
| 2.49 O.H.V. ... ..                    | —                           | —                           | —                      | —        | —                  | —                      | —        | —                  | 65                     | 70       | 3                  | §70<br>65              | §75<br>70   | 3                  |
| 3.49 S.V. ... ..                      | 32                          | 34                          | 32                     | 34       | 1                  | 85                     | 100      | 2                  | 85                     | 100      | 2                  | 90                     | 100         | 4                  |
| 3.49 Standard O.H.V. Single Port ...  | 31                          | 35                          | 36                     | 38       | 1                  | 90                     | 110      | 3                  | —                      | —        | —                  | —                      | —           | —                  |
| 3.49 O.H.V. Super, Single Port ... .. | 36                          | 36                          | 41                     | 43       | 2                  | —                      | —        | —                  | —                      | —        | —                  | —                      | —           | —                  |
| 3.49 O.H.V. 2 Port ... ..             | —                           | —                           | —                      | —        | —                  | 120                    | 140      | 3                  | 120                    | 140      | 3                  | §110<br>120            | §130<br>140 | 1                  |
| 4.93 S.V. (all types) ... ..          | 36                          | 36                          | 41                     | 43       | 1                  | 125                    | 150      | 3                  | 125                    | 150      | 3                  | §110<br>120            | §140<br>150 | 3                  |
| 4.93 O.H.V. (all types) ... ..        | —                           | 48                          | 43                     | 46       | 1                  | 140                    | 170      | 3                  | 140                    | 170      | 3                  | 140                    | 170         | 2                  |
| 5.57 S.V. (all types) ... ..          | 34                          | 40                          | 38                     | 40       | 1                  | 125                    | 150      | 3                  | 125                    | 150      | 3                  | §110<br>120            | §140<br>150 | 3                  |
| 7.70 S.V. (all types) ... ..          | 31                          | 37                          | 36                     | 38       | 2                  | ‡36<br>85              | 38<br>95 | 2<br>3             | 85                     | 95       | 3                  | 75                     | 80          | 2                  |
| 9.86 S.V. (all types) ... ..          | 31                          | 38                          | 37                     | 39       | 1                  | 95                     | 110      | 3                  | 95                     | 110      | 3                  | §110<br>95             | §130<br>110 | 3                  |

- \* Amac Carburetter. Air Cleaner fitted as standard.
- † Amac Carburetter.
- ‡ Early machines were fitted with Amac Carburetters.
- § Mid-season change.

Note.—These Carburetter settings are arbitrary, and the rider should ascertain by experiment the needle setting most suitable for his requirements.