

## SERVICE MANUAL CUSTOMER MODEL REFERENCE CHART

Although this Service Manual does not cover motors manufactured prior to 1950, the basic instructions for all previous 5 hp. models are essentially the same as described for the 5S10 model. Also, the instructions for the 3D10 and 12S10 models would apply to most 3 and 12 hp. models, respectively, manufactured before that time.

We are listing below a cross reference index which includes all customer model motors manufactured by Gale Products. As you will notice, the customer model is also identified by the Gale model number, therefore, the instructions in the Service Manual would apply to the various customer models with reference to the Gale model.

### WESTERN AUTO "WESTERN FLYER"

| Customer Model | H. P. | Gale Model | Year    |
|----------------|-------|------------|---------|
| 121W           | 2.5   | 121W       | 1941-42 |
| 122W           | 2.5   | 122W       | 1941-42 |
| 251W           | 5.0   | 251W       | 1941-42 |
| 252W           | 5.0   | 252W       | 1941-42 |

### GOODRICH "SEA FLYER"

|        |    |       |      |
|--------|----|-------|------|
| 45-050 | 3  | 3D10  | 1952 |
| 64-180 | 5  | 5D10  | 1951 |
| 45-060 | 5  | 5D10  | 1952 |
| 45-070 | 12 | 12D10 | 1952 |

### GAMBLE SKOGMO "HIAWATHA"

|                |      |       |         |
|----------------|------|-------|---------|
| 840MI-25-7945A | 1.5  | 1H5   | 1948-49 |
| 25-S           | 2.5  | 121   | 1941-42 |
| 25-DL          | 2.5  | 122   | 1941-42 |
| 25-3258        | 3.0  | 131   | 1945-46 |
| 25-7955        | 3.0  | 1H1   | 1947    |
| 47-3S          | 3.0  | 1H1   | 1947    |
| 25-7956        | 3.0  | 1H4   | 1947-48 |
| 840MI-25-7957A | 3.0  | 1H6   | 1948-49 |
| 050MI-25-7958A | 3.0  | 1H9   | 1949-50 |
| 50-S           | 5.0  | 251   | 1941-42 |
| 50-DL          | 5.0  | 252   | 1941-42 |
| 50-SA          | 5.0  | 251A  | 1945-46 |
| 50-DLA         | 5.0  | 252A  | 1945-46 |
| 47-5D          | 5.0  | 2H2   | 1947    |
| 25-7970        | 5.0  | 2H2   | 1947    |
| 25-7971        | 5.0  | 2H3   | 1947-48 |
| 840MI-25-7972A | 5.0  | 2H7   | 1948    |
| 940MI-25-7972A | 5.0  | 2H7   | 1949-50 |
| 840MI-25-7980A | 12.0 | 2H8   | 1948    |
| 940MI-25-7980A | 12.0 | 2H8   | 1949-50 |
| 150MI-25-7959A | 3    | 3D10  | 1951    |
| 350MI-25-7959B | 3    | 3D10  | 1953    |
| 350MI-25-7959C | 3    | 3D11  | 1953    |
| 450MI-25-7959A | 3    | 3D11  | 1954    |
| 550MI-25-7959A | 3    | 3D11  | 1955    |
| 350MI-25-7972B | 5    | 5S10  | 1953    |
| 150MI-25-7973A | 5    | 5D10  | 1951    |
| 250MI-25-7973A | 5    | 5D10  | 1952    |
| 350MI-25-7973B | 5    | 5D10  | 1953    |
| 450MI-25-7973A | 5    | 5D10  | 1954    |
| 150MI-25-7981A | 12   | 12D10 | 1951    |
| 250MI-25-7981A | 12   | 12D10 | 1952    |
| 350MI-25-7981B | 12   | 12D10 | 1953    |
| 450MI-25-7982  | 12   | 12D11 | 1954    |
| 550MI-25-7982A | 12   | 12D11 | 1955    |

# FEDWAY "SABER"

| Customer Model | H.P. | Gale Model | Year |
|----------------|------|------------|------|
| 3D10D          | 3    | 3D10       | 1953 |
| 3D11D          | 3    | 3D11       | 1953 |
| 5S10D          | 5    | 5S10       | 1953 |
| 5D10D          | 5    | 5D10       | 1953 |
| 12S10D         | 12   | 12S10      | 1953 |
| 12D10D         | 12   | 12D10      | 1953 |

# AMC "SABER"

|         |    |        |      |
|---------|----|--------|------|
| 3D12M   | 3  | 3D12   | 1955 |
| 5S12M   | 5  | 5S12   | 1955 |
| 5D11M   | 5  | 5D11   | 1955 |
| 12D11M  | 12 | 12D11  | 1955 |
| 22D10M  | 22 | 22D10  | 1955 |
| 22DE10M | 22 | 22DE10 | 1955 |
| 3D13M   | 3  | 3D13   | 1956 |
| 5S12M   | 5  | 5S12   | 1956 |
| 5D12M   | 5  | 5D12   | 1956 |
| 5D13M   | 5  | 5D13   | 1956 |
| 12D13M  | 12 | 12D13  | 1956 |
| 22D11M  | 25 | 22D11  | 1956 |
| 22D13M  | 25 | 22D13  | 1956 |
| 22DE11M | 25 | 22DE11 | 1956 |

# ATLAS "ROYAL"

|         |      |        |         |
|---------|------|--------|---------|
| 1A5     | 1.5  | 1A5    | 1948-49 |
| 1A9     | 3.0  | 1A9    | 1950    |
| 2A3     | 5.0  | 2A3    | 1947-48 |
| 2A7     | 5.0  | 2A7    | 1949-50 |
| 2A8     | 12.0 | 2A8    | 1948-50 |
| 3D10A   | 3    | 3D10   | 1952-53 |
| 3D11A   | 3    | 3D11   | 1953-55 |
| 3D12A   | 3    | 3D12   | 1955    |
| 5S10A   | 5    | 5S10   | 1953-54 |
| 5S11A   | 5    | 5S11   | 1955    |
| 5D10A   | 5    | 5D10   | 1951-54 |
| 5D11A   | 5    | 5D11   | 1955    |
| 12S10A  | 12   | 12S10  | 1953    |
| 12D10A  | 12   | 12D10  | 1951-53 |
| 12D11A  | 12   | 12D11  | 1954-55 |
| 22D10A  | 22   | 22D10  | 1955    |
| 22DE10A | 22   | 22DE10 | 1955    |
| 22D12A  | 22   | 22D12  | 1955    |
| 22DE12A | 22   | 22DE12 | 1955    |
| 3D13A   | 3    | 3D13   | 1956    |
| 5D12A   | 5    | 5D12   | 1956    |
| 5D13A   | 5    | 5D13   | 1956    |
| 12D13A  | 12   | 12D13  | 1956    |
| 25D11A  | 25   | 22D11  | 1956    |
| 25D13A  | 25   | 22D13  | 1956    |
| 25DE11A | 25   | 22DE11 | 1956    |
| 25DE13A | 25   | 22DE13 | 1956    |

# GALE PRODUCTS "BUCCANEER"

|         |      |        |         |
|---------|------|--------|---------|
| 1B10    | 1.5  | 1B10   | 1950    |
| 1B9     | 3.0  | 1B9    | 1950    |
| 2B7     | 5.0  | 2B7    | 1950    |
| 2B8     | 12.0 | 2B8    | 1950    |
| 3D10B   | 3    | 3D10   | 1951-53 |
| 3D11B   | 3    | 3D11   | 1953-55 |
| 3D12B   | 3    | 3D12   | 1955    |
| 5S10B   | 5    | 5S10   | 1951-54 |
| 5S11B   | 5    | 5S11   | 1955    |
| 5D10B   | 5    | 5D10   | 1951-54 |
| 5D11B   | 5    | 5D11   | 1955    |
| 12S10B  | 12   | 12S10  | 1951-53 |
| 12D10B  | 12   | 12D10  | 1951-53 |
| 12D11B  | 12   | 12D11  | 1954-55 |
| 22D10B  | 22   | 22D10  | 1955    |
| 22DE10B | 22   | 22DE10 | 1955    |
| 22D12B  | 22   | 22D12  | 1955    |
| 22DE12B | 22   | 22DE12 | 1955    |
| 3D13B   | 3    | 3D13   | 1956    |
| 5S12B   | 5    | 5S12   | 1956    |
| 5D12B   | 5    | 5D12   | 1956    |
| 5D13B   | 5    | 5D13   | 1956    |
| 12S12B  | 12   | 12S12  | 1956    |
| 12D13B  | 12   | 12D13  | 1956    |
| 12D14B  | 12   | 12D14  | 1956    |
| 12DE13B | 12   | 12DE13 | 1956    |
| 22D11B  | 25   | 22D11  | 1956    |
| 22D13B  | 25   | 22D13  | 1956    |
| 22DE11B | 25   | 22DE11 | 1956    |
| 22DE13B | 25   | 22DE13 | 1956    |
| 3D14B   | 3    | 3D14   | 1957    |
| 5S13B   | 5    | 5S13   | 1957    |
| 5D14B   | 5    | 5D14   | 1957    |
| 12S13B  | 12   | 12S13  | 1957    |
| 12D15B  | 12   | 12D15  | 1957    |
| 12DE15B | 12   | 12DE15 | 1957    |
| 22D14B  | 25   | 22D14  | 1957    |
| 22DE14B | 25   | 22DE14 | 1957    |

# SPIEGEL "BROOKLURE"

| Customer Model | H.P. | Gale Model | Year    |
|----------------|------|------------|---------|
| 230-50-1       | 1.5  | 1S10       | 1950    |
| 230-50-3       | 3.0  | 1S9        | 1950    |
| 230-50-5       | 5.0  | 2S7        | 1950    |
| 230-50-12      | 12.0 | 2S8        | 1950    |
| 230-51-3D      | 3    | 3D10       | 1951-53 |
| 230-51-3DA     | 3    | 3D11       | 1953-55 |
| 230-51-3DB     | 3    | 3D12       | 1955    |
| 230-51-5S      | 5    | 5S10       | 1951-54 |
| 230-51-5D      | 5    | 5D10       | 1951-54 |
| 230-55-5D      | 5    | 5D11       | 1955    |
| 230-51-12S     | 12   | 12S10      | 1953    |
| 230-51-12D     | 12   | 12D10      | 1951-53 |
| 230-53-12D     | 12   | 12D11      | 1954    |
| 230-55-22DS    | 22   | 22D10      | 1955    |
| 230-55-22DE    | 22   | 22DE10     | 1955    |
| 50T3341        | 3    | 3D13       | 1956    |
| 50T3342        | 5    | 5S12       | 1956    |
| 50T3343        | 5    | 5D12       | 1956    |
| 50T3343A       | 5    | 5D13       | 1956    |
| 50T3344        | 12   | 12D13      | 1956    |
| 50T3345        | 25   | 22D11      | 1956    |
| 50T3346        | 25   | 22DE11     | 1956    |
| 50T3337        | 3    | 3D14       | 1957    |
| 50T3343B       | 5    | 5D14       | 1957    |
| 50T3338        | 12   | 12D15      | 1957    |
| 50T3339        | 25   | 22D14      | 1957    |
| 50T3340        | 25   | 22DE14     | 1957    |



GOODYEAR "SEA BEE"

| Customer Model     | H. P. | Gale Model | Year    |
|--------------------|-------|------------|---------|
| 025-3562           | 1.5   | 1G5        | 1948-49 |
| 025-3562A          | 1.5   | 1G10       | 1949-50 |
| 025-3555           | 3.0   | 135A       | 1945-46 |
| 1G1                | 3.0   | 1G1        | 1947    |
| 1G4                | 3.0   | 1G4        | 1947-48 |
| 025-3563           | 3.0   | 1G6        | 1948-49 |
| 025-3566           | 3.0   | 1G9        | 1949-50 |
| 025-3550           | 5.0   | 256A       | 1945-46 |
| 2G2                | 5.0   | 2G2        | 1947    |
| 2G3                | 5.0   | 2G3        | 1947-48 |
| 025-3564           | 5.0   | 2G7        | 1948    |
| 025-3564A          | 5.0   | 2G7        | 1949-50 |
| 025-3565           | 12.0  | 2G8        | 1948    |
| 025-3565A          | 12.0  | 2G8        | 1949-50 |
| 025-3567 (3D10G)   | 3     | 3D10       | 1951-53 |
| 025-3567 (3D11G)   | 3     | 3D11       | 1953    |
| 025-3574 (3D11G)   | 3     | 3D11       | 1954-55 |
| 25-3574 (3D12G)    | 3     | 3D12       | 1955    |
| 025-3568 (5S10G)   | 5     | 5S10       | 1951-54 |
| 025-3602 (5S11G)   | 5     | 5S11       | 1955    |
| 025-3569 (5D10G)   | 5     | 5D10       | 1951-53 |
| 025-3573 (5D10G)   | 5     | 5D10       | 1954    |
| 025-3603 (5D11G)   | 5     | 5D11       | 1955    |
| 025-3570 (12S10G)  | 12    | 12S10      | 1951-53 |
| 025-3571 (12D10G)  | 12    | 12D10      | 1951-53 |
| 25-3572 (12D11G)   | 12    | 12D11      | 1954-55 |
| 25-3604 (22D10G)   | 22    | 22D10      | 1955    |
| 25-3605 (22DE10G)  | 22    | 22DE10     | 1955    |
| 25-3604 (22D12G)   | 22    | 22D12      | 1955    |
| 25-3605 (22DE12G)  | 22    | 22DE12     | 1955    |
| 225-3606 (3D13G)   | 3     | 3D13       | 1956    |
| 225-3607 (5S12G)   | 5     | 5S12       | 1956    |
| 225-3608 (5D12G)   | 5     | 5D12       | 1956    |
| 225-3608 (5D13G)   | 5     | 5D13       | 1956    |
| 225-3609 (12D13G)  | 12    | 12D13      | 1956    |
| 225-3609 (12D14G)  | 12    | 12D14      | 1956    |
| 225-3610 (22D11G)  | 25    | 22D11      | 1956    |
| 225-3610 (22D13G)  | 25    | 22D13      | 1956    |
| 225-3611 (22DE11G) | 25    | 22DE11     | 1956    |
| 225-3611 (22DE13G) | 25    | 22DE13     | 1956    |
| 225-3612 (3D14G)   | 3     | 3D14       | 1957    |
| 225-3613 (5D13G)   | 5     | 5S13       | 1957    |
| 225-3614 (5D14G)   | 5     | 5D14       | 1957    |
| 225-3615 (12D15G)  | 12    | 12D15      | 1957    |
| 225-3616 (22D14G)  | 25    | 22D14      | 1957    |
| 225-3617 (22DE14G) | 25    | 22DE14     | 1957    |

MONTGOMERY WARD "SEA KING"

| Customer Model | H. P. | Gale Model | Year    |
|----------------|-------|------------|---------|
| 84GG9003A      | 1.5   | 1W5        | 1948-49 |
| 94GG9003B      | 1.5   | 1W10       | 1949-50 |
| 24GG9351A      | 2.5   | 125        | 1941-42 |
| 64GG9005       | 3.0   | 133        | 1945-46 |
| 74GG9005A      | 3.0   | 1W1        | 1947    |
| 74GG9006       | 3.0   | 1W4        | 1947-48 |
| 84GG9007A      | 3.0   | 1W6        | 1948-49 |
| 94GG9009A      | 3.0   | 1W9        | 1949-50 |
| 14GG8826       | 5.0   | 253        | 1941-42 |
| 14GG8827       | 5.0   | 254        | 1941-42 |
| 54GG9010       | 5.0   | 253A       | 1945    |
| 54GG9011       | 5.0   | 254A       | 1945    |
| 64GG9010       | 5.0   | 253A       | 1946    |
| 64GG9011       | 5.0   | 254A       | 1946    |
| 74GG9011A      | 5.0   | 2W2        | 1947    |
| 74GG9012       | 5.0   | 2W3        | 1947-48 |
| 84GG9014A      | 5.0   | 2W7        | 1948    |
| 94GG9014A      | 5.0   | 2W7        | 1949-50 |
| 84GG9017A      | 12.0  | 2W8        | 1948    |
| 94GG9017A      | 12.0  | 2W8        | 1949-50 |
| 15GG9004A      | 3     | 3D10       | 1951    |
| 25GG9004A      | 3     | 3D10       | 1952    |
| 35GG9004A      | 3     | 3D10       | 1953    |
| 35GG9004B      | 3     | 3D11       | 1953    |
| 45GG9004A      | 3     | 3D11       | 1954    |
| GG-9004A       | 3     | 3D11       | 1955    |
| GG-9004B       | 3     | 3D12       | 1955    |
| 15GG9014A      | 5     | 5S10       | 1951    |
| 35GG9014A      | 5     | 5S10       | 1953    |
| 45GG9014A      | 5     | 5S10       | 1954    |
| GG-9001A       | 5     | 5S11       | 1955    |
| GG-9001B       | 5     | 5S12       | 1955    |
| 15GG9015A      | 5     | 5D10       | 1951    |
| 25GG9015A      | 5     | 5D10       | 1952    |
| 35GG9015A      | 5     | 5D10       | 1953    |
| 45GG9015A      | 5     | 5D10       | 1954    |
| GG-9013A       | 5     | 5D11       | 1955    |
| 15GG9017A      | 12    | 12S10      | 1951    |
| 35GG9017A      | 12    | 12S10      | 1953    |
| 15GG9018A      | 12    | 12D10      | 1951    |
| 25GG9018A      | 12    | 12D10      | 1952    |
| 35GG9018A      | 12    | 12D10      | 1953    |
| GG-9016A       | 12    | 12D11      | 1954-55 |
| GG-9019A       | 22    | 22D10      | 1955    |
| GG-9020A       | 22    | 22DE10     | 1955    |
| GG-9019B       | 22    | 22D12      | 1955    |
| GG-9020B       | 22    | 22DE12     | 1955    |
| GG-9000A       | 3     | 3D13       | 1956    |
| GG-9001C       | 5.0   | 5S12       | 1956    |
| GG-9002A       | 5     | 5D12       | 1956    |
| GG-9002B       | 5     | 5D13       | 1956    |
| GG-9016B       | 12    | 12S12      | 1956    |
| GG-9021A       | 12    | 12D13      | 1956    |
| GG-9021B       | 12    | 12D14      | 1956    |
| GG-9024A       | 12    | 12DE13     | 1956    |
| GG-9022A       | 25    | 22D11      | 1956    |
| GG-9022B       | 25    | 22D13      | 1956    |
| GG-9023A       | 25    | 22DE11     | 1956    |
| GG-9023B       | 25    | 22DE13     | 1956    |

See page G for Montgomery Ward 1957 models



| MONTGOMERY WARD "SEA KING" |      |            |      |
|----------------------------|------|------------|------|
| Customer Model             | H.P. | Gale Model | Year |
| GG-9006A                   | 3    | 3D14       | 1957 |
| GG-9003A                   | 5    | 5S13       | 1957 |
| GG-8960A                   | 5    | 5D14       | 1957 |
| GG-9016C                   | 12   | 12S13      | 1957 |
| GG-8971A                   | 12   | 12D15      | 1957 |
| GG-9005A                   | 12   | 12DE15     | 1957 |
| GG-9025A                   | 25   | 22D14      | 1957 |
| GG-9026A                   | 25   | 22DE14     | 1957 |

## 1958 CUSTOMER MODELS

(For Models previous to 1958, refer to preceding pages.)

| Motor            | Gale<br>Buccaneer | Ward<br>Sea King | Goodyear<br>Sea-Bee   | Spiegel<br>Brooklure |
|------------------|-------------------|------------------|-----------------------|----------------------|
| 3 H.P. Deluxe    | 3D15B             | GG-8962A         | 3D15G Code 225-3619   | 50Z3323              |
| 5 H.P. Standard  | 5S14B             | GG-8963A         | 5S14G Code 225-3620   | *                    |
| 5 H.P. Deluxe    | 5D15B             | GG-8977A         | 5D15G Code 225-3621   | 50Z3324              |
| 12 H.P. Standard | 12S15B            | GG-8978A         | *                     | *                    |
| 12 H.P. Deluxe   | 12D17B            | GG-8981A         | 12D17G Code 225-3622  | 50Z3325              |
| 25 H.P. Manual   | 22D15B            | GG-8985A         | 22D15G Code 225-3623  | 50Z3326              |
| 25 H.P. Electric | 22DE15B           | GG-8992A         | 22DE15G Code 225-3624 | 50Z3327              |
| 35 H.P. Electric | 35DE10B           | GG-8997A         | 35DE10G Code 225-3625 | *                    |

\* No motors made.

## 1959 CUSTOMER MODELS

| Motor                   | Gale<br>Buccaneer | Ward<br>Sea King | Goodyear<br>Sea-Bee    |
|-------------------------|-------------------|------------------|------------------------|
| 3 H.P. Deluxe           | 3D15B             | GG8962B          | 3D15G Code 225-3619    |
| 5 H.P. Deluxe           | 5D16B             | GG8977B          | 5D16G Code 225-3450    |
| 12 H.P. Deluxe          | 12D18B            | GG8981B          | 12D18G Code 225-3451   |
| 25 H.P. Deluxe          | 22D16B            | GG8985B          | 22D16G Code 225-3452   |
| 25 H.P. Deluxe Electric | 22DE16B           | GG8992B          | 22DE16G Code 225-3453  |
| 35 H.P. Deluxe          | 35D11B            | GG8942A          | 35D11G Code 225-3454   |
| 35 H.P. Deluxe          | 35D12B            | GG8942B          | 35D12G Code 225-3454A  |
| 35 H.P. Deluxe Electric | 35DE11B           | GG8997B          | 35DE11G Code 225-3455  |
| 35 H.P. Deluxe Electric | 35DE12B           | GG8997C          | 35DE12G Code 225-3455A |

## 1960 CUSTOMER MODELS

| Motor                   | Gale Buccaneer | Ward Sea King |
|-------------------------|----------------|---------------|
| 3 H.P. Deluxe           | 3D16B          | GG8804A       |
| 5 H.P. Deluxe           | 5D17B          | GG8822A       |
| 15 H.P. Deluxe          | 15D10B         | GG8823A       |
| 25 H.P. Deluxe          | 22D17B         | GG8834A       |
| 25 H.P. Deluxe Electric | 22DE17B        | GG8835A       |
| 35 H.P. Deluxe          | 35D13B         | GG8836A       |
| 35 H.P. Deluxe Electric | 35DE13B        | GG8837A       |

## 1961 CUSTOMER MODELS

| Motor                   | Gale Buccaneer                                | Ward Sea King                                |
|-------------------------|-----------------------------------------------|----------------------------------------------|
| 3 H.P. Deluxe           | 3D17B                                         | GG-18735A                                    |
| 5 H.P. Deluxe           | 5D18B, 5D19B, 5D21B<br>5DL18B, 5DL19B, 5DL21B | GG-18736A, GG-18736B, GG-18736C<br>_____     |
| 15 H.P. Deluxe          | 15D11B, 15D12B<br>15DL11B, 15DL12B            | GG-18737A, GG-18737B<br>_____                |
| 25 H.P. Deluxe          | 25D18B, 25D20B<br>25DL18B, 25DL20B            | GG-18738A, GG-18738B<br>GG-18739A, GG-18739B |
| 25 H.P. Deluxe Electric | 25DE18B, 25DE20B<br>25DEL18B, 25DEL20B        | GG-18740A, GG-18740B<br>GG-18741A, GG-18741B |
| 40 H.P. Deluxe          | 40D14B<br>40DL14B                             | GG-18742A<br>GG-18743A                       |
| 40 H.P. Deluxe Electric | 40DE14B<br>40DEL14B<br>40DG14B<br>40DGL14B    | GG-18744A<br>GG-18745A<br>_____<br>_____     |

## 1962 CUSTOMER MODELS

| Motor                   | Gale Buccaneer                             | Ward Sea King                            |
|-------------------------|--------------------------------------------|------------------------------------------|
| 3 H.P. Deluxe           | 3D18B                                      | GG-18735B                                |
| 5 H.P. Deluxe           | 5D20B<br>5DL20B                            | GG-18736D<br>_____                       |
| 15 H.P. Deluxe          | 15D13B, 15D14B<br>15DL13B, 15DL14B         | GG-18737C, GG-18737D<br>_____            |
| 25 H.P. Deluxe          | 25D19B<br>25DL19B                          | _____<br>_____                           |
| 25 H.P. Deluxe Electric | 25DE19B<br>25DEL19B                        | _____<br>_____                           |
| 40 H.P. Deluxe          | 40D15B<br>40DL15B                          | GG-18742B<br>GG-18743B                   |
| 40 H.P. Deluxe Electric | 40DE15B<br>40DEL15B<br>40DG15B<br>40DGL15B | GG-18744B<br>GG-18745B<br>_____<br>_____ |