

# ENGINE • FUEL SYSTEM

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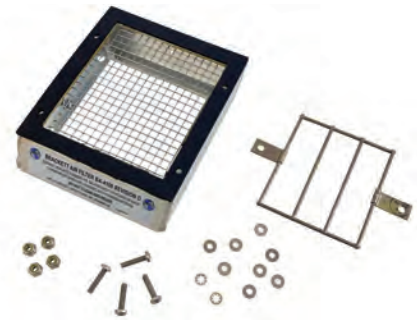
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## Air Filters

- Brackett filters are FAA-PMA approved and STC-SA71GL, STC-SA693CE, and STC-SA12CE approved



Polyurethane as the filtering media combined with Brackett's patented "wetting agent" will give your engine protection from dust and dirt to prolong engine life and cut maintenance. The Brackett polyurethane aircraft element can be changed without replacing the complete air filter assembly. Now induction systems, cylinders, and combustion chambers can be kept almost totally free of harmful contaminants with correct fitting of Brackett aviation air filters.



## Brackett Air Filter Application Chart

| Aircraft Make and Model                                         | Brackett Filter Assembly |         | Filter Gasket |        | Brackett Element |         |
|-----------------------------------------------------------------|--------------------------|---------|---------------|--------|------------------|---------|
|                                                                 | Part #                   | Price   | Part #        | Price  | Part #           | Price   |
| <b>■ AIRCOUPE</b>                                               |                          |         |               |        |                  |         |
| 415C, CD, D, E, G                                               | BA-8810                  | \$60.35 | —             | —      | BA-8805          | \$11.16 |
| F-1, A-1, A2-2                                                  | BA-4106                  | \$77.30 | BA-4101       | \$7.22 | BA-4108          | \$10.25 |
| <b>■ BEECH</b>                                                  |                          |         |               |        |                  |         |
| 23, A23, A23A, A23-19, A23-19A, A23-24, B23                     | BA-104                   | \$39.57 | —             | —      | BA-3             | \$22.22 |
| C-23, C24R, A24R, B24R, B19                                     | —                        | —       | —             | —      | —                | —       |
| 33, A33, B33, C33, E33, F33                                     | BA-7110                  | \$92.55 | —             | —      | BA-7112          | \$18.59 |
| C33A, E33A, E33C, F33A, F33C, G33                               | —                        | —       | —             | —      | BA-7112          | \$18.59 |
| B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, P35, 35R | BA-7110                  | \$92.55 | —             | —      | BA-7112          | \$18.59 |
| S35 through S/N D7671                                           | —                        | —       | —             | —      | BA-7112          | \$18.59 |

| Aircraft Make and Model                                                                                                                | Brackett Filter Assembly |                      | Filter Gasket |         | Brackett Element     |                    |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------|---------------|---------|----------------------|--------------------|
|                                                                                                                                        | Part #                   | Price                | Part #        | Price   | Part #               | Price              |
| S35, V35, V35A, V35B, 36, A36, A36TC, B36TC, A45 (T-34), B45 (T-34A), D45 (T-34B), W/STC SA1450SW CONT IO-520                          | —                        | —                    | —             | —       | BA-7112              | \$18.59            |
| 50, B50, C50, D50, D50A, D50B, D50C, D50E                                                                                              | —                        | —                    | —             | —       | BA-4805              | \$24.06            |
| E50 (L-23D, RL-23D), F50, G50, H50, J50                                                                                                | BA-100                   | \$129.38             | BA-1003       | \$21.00 | —                    | —                  |
| C55, D55, E55, E55A (S/N TE768-1078), 58 (through S/N TH740)                                                                           | —                        | —                    | —             | —       | BA-6205              | \$18.03            |
| A65, 70, 65-B80, B88                                                                                                                   | BA-100                   | \$129.38             | BA-1003       | \$21.00 | —                    | —                  |
| 77                                                                                                                                     | —                        | —                    | —             | —       | BA-6108              | \$12.42            |
| <b>■ BELLANCA</b>                                                                                                                      |                          |                      |               |         |                      |                    |
| 14-19-3A                                                                                                                               | BA-8110                  | \$112.61             | BA-8101       | \$19.65 | BA-8103-1            | \$23.16            |
| 17-30                                                                                                                                  | BA-8110                  | \$112.61             | —             | —       | BA-8103-1            | \$23.16            |
| 17-30A                                                                                                                                 | BA-104                   | \$39.57              | —             | —       | BA-3                 | \$22.22            |
| <b>■ CESSNA</b>                                                                                                                        |                          |                      |               |         |                      |                    |
| 120, 140, 140A, 150, 150A, B, C, D, E, F, G, H, J, K, L, M, A150M, 152, A152, F150G, H, J, K, L, M, FA150K, L, F152, FA152             | BA-4106                  | \$77.30              | BA-4101       | \$7.22  | BA-4108              | \$10.25            |
| 170, 170A, B, 172, 172A, B, C, D, E, F, G, H, I, K, L, M, F172D, E, F, G, H, K, L, M                                                   | —                        | —                    | BA-5103       | \$6.72  | BA-6108              | \$12.42            |
| 172-N, P, F172N, P                                                                                                                     | —                        | —                    | BA-5103       | \$6.72  | BA-6108              | \$12.42            |
| 172RG                                                                                                                                  | —                        | —                    | BA-5803       | \$11.90 | —                    | —                  |
| 177, 177A, B, RG, F177RG                                                                                                               | BA-5710                  | \$112.16             | —             | —       | —                    | —                  |
| 180 (1953-1955)                                                                                                                        | BA-8010                  | \$93.84              | —             | —       | BA-8005              | \$15.15            |
| 180A, B, C, D, E, F, G, H, J, K; 182, 182A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q, R, F182P, Q; 185, 185A, B, C, D, E, A185E, A185F | BA-8110                  | \$112.61             | BA-8101       | \$19.65 | BA-8103-1            | \$23.16            |
| R-182, TR-182, T-182, FR182                                                                                                            | BA-2510                  | \$101.94             | BA-2503       | \$10.43 | —                    | —                  |
| 205, 205A; 210, 210A, B, C; 310, A, B                                                                                                  | —                        | —                    | —             | —       | BA-2305              | \$22.74            |
| P206, A, B, C, D, E, U206, A, B, C, D, E, F, G                                                                                         | BA-2210L                 | \$114.20             | —             | —       | BA-2205L             | \$25.67            |
| 207, 207A                                                                                                                              | BA-2210L                 | \$114.20             | —             | —       | BA-2205L             | \$25.67            |
| 210D, E, F, G, H, J, K, L, M, N (to S/N 64535 without AIR)                                                                             | BA-2210L<br>BA-2210R     | \$114.20<br>\$114.20 | —             | —       | BA-2205L<br>BA-2205R | \$25.67<br>\$25.67 |
| T-303                                                                                                                                  | —                        | —                    | BA-2503       | \$10.43 | —                    | —                  |
| 310F, G, H, I, J, K, L                                                                                                                 | —                        | —                    | BA-2303       | \$21.86 | BA-2305              | \$22.74            |
| T310R, 402B (S/N 801 and up); 421, 421A, B, C                                                                                          | —                        | —                    | —             | —       | BA-13                | \$36.81            |
| <b>■ CHAMPION</b>                                                                                                                      |                          |                      |               |         |                      |                    |
| 8KCAB, 8GCBC, 7KCAB, 7GCBC, 7GCAA                                                                                                      | BA-8110                  | \$112.61             | BA-8101       | \$19.65 | BA-8103-1            | \$23.16            |
| 7GCAA, 7GCBC, 7KCAB, 8KCAB, 7ECA                                                                                                       | BA-106                   | \$58.32              | —             | —       | BA-11                | \$27.68            |
| 7GC, 7GCA, 7GCBC, 7GCB, 7HC, 7KC                                                                                                       | BA-104                   | \$39.57              | —             | —       | BA-3                 | \$22.22            |
| 7ECA with Continental O-200-A engine, 7ACA, 7ECA, 7FC, 65CA                                                                            | BA-4106                  | \$77.30              | BA-4101       | \$7.22  | BA-4108              | \$10.25            |
| <b>■ LUSCOMBE</b>                                                                                                                      |                          |                      |               |         |                      |                    |
| 8, 8A through 8F, T8F                                                                                                                  | BA-4106                  | \$77.30              | BA-4101       | \$7.22  | BA-4108              | \$10.25            |
| <b>■ MOONEY</b>                                                                                                                        |                          |                      |               |         |                      |                    |
| M-10                                                                                                                                   | BA-4106                  | \$77.30              | BA-4101       | \$7.22  | BA-4108              | \$10.25            |

| Aircraft Make and Model                                                                                                                           | Brackett Filter Assembly |          | Filter Gasket |         | Brackett Element |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|---------------|---------|------------------|---------|
|                                                                                                                                                   | Part #                   | Price    | Part #        | Price   | Part #           | Price   |
| M-18C                                                                                                                                             | —                        | —        | BA-5103       | \$6.72  | BA-6108          | \$12.42 |
| M20, M20A, B, C, D, G                                                                                                                             | BA-6110                  | \$95.45  | BA-5103       | \$6.72  | BA-6108          | \$12.42 |
| M20E, F                                                                                                                                           | BA-6310                  | \$91.68  | —             | —       | BA-6305          | \$24.39 |
| M20J                                                                                                                                              | —                        | —        | —             | —       | BA-6205          | \$18.03 |
| <b>PIPER</b>                                                                                                                                      |                          |          |               |         |                  |         |
| J-3, J-4, J-5                                                                                                                                     | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |
| PA-11, 11S, 12, 12S                                                                                                                               | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |
| PA-16, 17, 18, 19                                                                                                                                 | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |
| PA-18-150, PA-18A-150, PA-18S-150,<br>PA-18AS-150 S/N 18-6964 and up, with<br>TCDS item 110 installed                                             | BA-112                   | \$79.98  | —             | —       | BA-13            | \$36.81 |
| PA-20, 11S and 135hp                                                                                                                              | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |
| PA-22, all                                                                                                                                        | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |
| PA-23, 23S and 250hp                                                                                                                              | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-24-250 up to S/N 1476                                                                                                                          | —                        | —        | —             | —       | BA-3205          | \$19.61 |
| PA-24, 180 and 250hp S/N 1477 and up,<br>PA-24-250 S/N 103 to 1476 with Piper kit<br>754-285 installed, PA-24-260 S/N 4000 to<br>4802 except 4783 | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-25, 23S and 260hp                                                                                                                              | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-28-140, 150, 160, 180, 235                                                                                                                     | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-28-181, 201T                                                                                                                                   | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-28R-201T                                                                                                                                       | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-28RT-201T                                                                                                                                      | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-28R-201, PA-28RT-201, PA-28R-180,<br>PA-28R-200                                                                                                | BA-105                   | \$56.03  | —             | —       | BA-10            | \$34.77 |
| PA-28-151, 161                                                                                                                                    | —                        | —        | —             | —       | BA-16            | \$11.69 |
| PA-30-160                                                                                                                                         | BA-105                   | \$56.03  | —             | —       | BA-10            | \$34.77 |
| PA-31, PA-31-300, -310, -325, -350                                                                                                                | BA-100                   | \$129.38 | BA-1003       | \$21.00 | —                | —       |
| PA-32-260                                                                                                                                         | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-32-300 S/N 76-40001 and up,<br>PA-32R-300, PA-32RT-300, PA-32R-301                                                                             | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-32RT-300T                                                                                                                                      | BA-100                   | \$129.38 | BA-1003       | \$21.00 | —                | —       |
| PA-34-200T, 220T                                                                                                                                  | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-34-200 with Lycoming IO-360-C01E6 or<br>LIO-360-C1E6                                                                                           | BA-105                   | \$56.03  | —             | —       | BA-10            | \$34.77 |
| PA-36-300 with Continental 6-285-B,<br>PA-36-375                                                                                                  | BA-104                   | \$39.57  | —             | —       | BA-3             | \$22.22 |
| PA-38                                                                                                                                             | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |
| PA-39, PA-44-180                                                                                                                                  | BA-105                   | \$56.03  | —             | —       | BA-10            | \$34.77 |
| <b>STINSON</b>                                                                                                                                    |                          |          |               |         |                  |         |
| 108, 108-1, 2, 3                                                                                                                                  | BA-9110                  | \$50.91  | —             | —       | BA-9105          | \$14.34 |
| <b>TAYLORCRAFT</b>                                                                                                                                |                          |          |               |         |                  |         |
| All models                                                                                                                                        | BA-4106                  | \$77.30  | BA-4101       | \$7.22  | BA-4108          | \$10.25 |

## Original Paper Type Air-Maze Air Filters



Univair supplies a wide variety of air filters for light planes. Protect yourself and your engine by replacing your air filter regularly.

### Piper PA-18 Air Filters

- Applicability: Piper PA-18, PA-18A 150hp models, S/N 18-6964 and up
- FAA-PMA approved

Air Filter ..... U454-118 ..... **\$81.87**



- Applicability: Piper PA-18, 135hp and 150hp models
- Also for seaplanes

Air Filter (460-638) ..... 120086 ..... **\$96.91**



### Piper PA-22 Air Filter

- Applicability: Piper PA-22 108hp, 135hp, 150hp and 160hp

Air Filter (13681)..... 121494 ..... **\$185.96**



### Piper PA-23 Apache Air Filter

- Applicability: O-320 Lycoming engine in Piper Apache

Air Filter ..... 17775-000 ..... **\$110.81**



### Air-Maze Air Filter

- Applicability: Continental engines A-65, A-75, C-85, C-90, and C-125; Luscombe 8A through 8F, Taylorcraft, Cessna 140, Swift GC-1A and GC-1B, etc.; Piper J-3 through J-5, PA-11, PA-15, PA-17, PA-18 (90hp, 105hp, 125hp models) and PA-22 (125hp models)
- Use with UA50256 housing

|                                |           |       |                 |
|--------------------------------|-----------|-------|-----------------|
| Air Filter (40599).....        | 600314    | ..... | <b>\$104.75</b> |
| Stud .....                     | 24306     | ..... | <b>\$12.89</b>  |
| Cross Pin (24308) .....        | 652021    | ..... | <b>\$24.42</b>  |
| Gasket .....                   | 652142    | ..... | <b>\$8.23</b>   |
| Fastener on box (531050) ..... | 99871C098 | ..... | <b>\$5.52</b>   |
| Continental Air Box .....      | UA50256   | ..... | <b>\$942.56</b> |



### Ercoupe Air Filter

- Applicability: Continental C-75 and C-85, Ercoupe

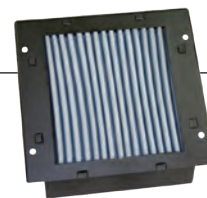
Air Filter ..... 415-40585-1 ..... **\$115.81**



### Aeronca Air Filter

- Applicability: Aeronca 7AC and 11AC

Air Filter ..... U2-849 ..... **\$153.78**



### Franklin and Stinson Air Filter

- Applicability: Franklin 150-165hp engines and Stinson 108 series
- Close out strip sold separately

Air Filter ..... 108-6221805 ..... **\$85.43**

Close Out Strip ..... 108-6221805-8 ..... **\$26.57**



## B&C Specialty Products

### 90° Oil Filter Adapter

Mounts directly on the accessory case to replace the OEM oil screen, the horizontal mount AC-brand oil filter adapter, or other "remote" oil filtration systems. Ships ready to install with all necessary hardware and Champion oil filter CH48108-1.

- Machined from a solid billet of aluminum
- No hoses or fittings required
- Weighs only 2.25 lb with CH48108-1 filter
- STC/PMA: Lycoming O-235 to IO-720

Oil Filter Adapter ..... BC700-1 ..... **\$450.00**



### Primary Alternator System

- STC/PMA for Piper PA-18 and PA-19
- Rated output of 40 amps
- Weight: 6.1 lb
- Includes BC201-1 Regulator

Features a precision-balanced rotor, sealed heavy-duty ball bearings, three solid attach points, two built-in cooling fans, and provision for modern, aircraft-appropriate external regulation. Ships with mounting brackets (for either Wide or Narrow-Deck mount engines), attach hardware, belt tension arm, and belt.

Approved for aircraft with previously existing electrical systems, and oil coolers mounted on the aft engine baffle only. Other configurations will require FAA field approval.

Alternator, with Regulator BC201-1 ..... BC400-2 ..... **\$698.00**



We Accept:



## Lycoming Replacement Starter

- All metal gears (no plastic)
- Heavy-duty sealed ball bearings
- Efficient series-wound motor
- Electromechanical pinion actuation
- Weight: 10.2 lb
- STC/PMA: Lycoming O-235 to IO-720



|                                           |                   |                 |
|-------------------------------------------|-------------------|-----------------|
| 12 Volt Starter, 122 Ring Gear Teeth..... | BC315-100-1 ..... | <b>\$580.00</b> |
| 12 Volt Starter, 149 Ring Gear Teeth..... | BC315-100-2 ..... | <b>\$580.00</b> |
| 24 Volt Starter, 149 Ring Gear Teeth..... | BC315-100-4 ..... | <b>\$610.00</b> |

## Continental Replacement Starter

- All steel gears
- Heavy-duty sealed ball bearings
- High torque series-wound motor
- Billet aluminum end bell
- Electromechanical pinion actuation
- Weight: 10.3 lb
- STC/PMA: Continental C-75, C-85, C-90, C-145, O-200, IO-240, O-300-A, -B, -C, and GO-300-A, -B, -C



|                                                        |                 |                 |
|--------------------------------------------------------|-----------------|-----------------|
| 12 Volt Starter with Kit 501-1 (Key Type).....         | BC320-1-1 ..... | <b>\$608.00</b> |
| 12 Volt Starter with Kit 501-3 (Pull-Cable Type).....  | BC320-1-3 ..... | <b>\$618.00</b> |
| Continental Starter Install Kit (Key Type) .....       | FK501-1 .....   | <b>\$25.00</b>  |
| Continental Starter Install Kit (Pull-Cable Type)..... | FK501-3 .....   | <b>\$60.00</b>  |

## Carburetors

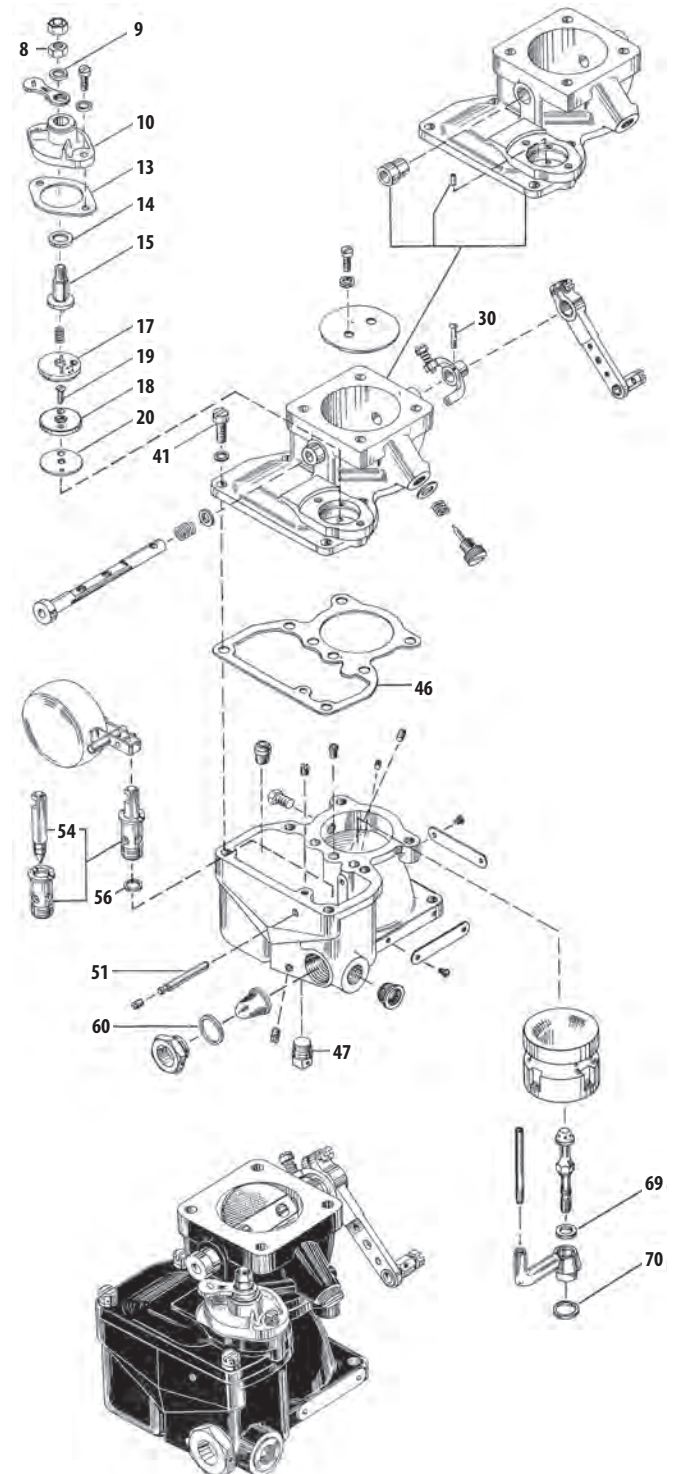
### Bendix Stromberg Carburetor NA-S3A1 Assembly

| #  | Description                                    | Part #              | Quantity | Price           |
|----|------------------------------------------------|---------------------|----------|-----------------|
| 8  | Nut, #10-32 .....                              | AN315-3 .....       | 1 .....  | <b>\$0.26</b>   |
| 9  | Flat Washer .....                              | NAS1149F0363P ..... | 1 .....  | <b>\$0.08</b>   |
| 10 | Cover Assembly, Mixture Control .....          | P61037 .....        | 1 .....  | <b>\$82.94</b>  |
| 13 | Gasket, Mixture Control Cover.....             | P61033 .....        | 1 .....  | <b>\$3.20</b>   |
| 14 | Gasket.....                                    | 384667 .....        | 1 .....  | <b>\$6.12</b>   |
| 15 | Stem, Mixture Control.....                     | P61034 .....        | 1 .....  | <b>\$104.24</b> |
| 17 | Plate, Mixture Control Valve, Upper .....      | P61030 .....        | 1 .....  | <b>\$97.82</b>  |
| 18 | Plate, Mixture Control Valve, Lower .....      | P61031 .....        | 1 .....  | <b>\$118.84</b> |
| 19 | Screw, #8-32 by 3/8 inch.....                  | AN505-8-6 .....     | 1 .....  | <b>N/A</b>      |
| 20 | Gasket.....                                    | P61035 .....        | 1 .....  | <b>\$6.21</b>   |
| 30 | Pin, Split Taper #4/0.....                     | P21267-1 .....      | AR.....  | <b>\$1.23</b>   |
| 41 | Screw, Fillister Head 1/4-20 by 5/8 inch ..... | P6550 .....         | 6.....   | <b>\$3.75</b>   |
| 46 | Gasket.....                                    | P16155 .....        | 1 .....  | <b>\$8.68</b>   |
| 47 | Plug (Bendix P8505).....                       | MS20913-2D .....    | 1 .....  | <b>\$8.58</b>   |
| 51 | Pin, Fulcrum.....                              | P16160 .....        | 1 .....  | <b>\$2.52</b>   |
| 54 | Needle, Float (390077) .....                   | 2523047 .....       | 1 .....  | <b>N/A</b>      |
| 56 | Gasket, 1/32 inch thick.....                   | P12999 .....        | 1 .....  | <b>\$5.74</b>   |
|    | Gasket, 1/64 inch thick*.....                  | P16165 .....        | 1 .....  | <b>\$6.12</b>   |
|    | Gasket, 3/64 inch thick*.....                  | P16166 .....        | 1 .....  | <b>\$7.65</b>   |

|                                     |               |         |                 |
|-------------------------------------|---------------|---------|-----------------|
| Gasket, 1/16 inch thick*.....       | P16167 .....  | 1 ..... | <b>\$6.12</b>   |
| 60 Gasket.....                      | 1745-22 ..... | 1 ..... | <b>\$14.56</b>  |
| 69 Gasket.....                      | P5329 .....   | 1 ..... | <b>\$6.50</b>   |
| 70 Gasket.....                      | P2885 .....   | 1 ..... | <b>N/A</b>      |
| Gasket Kit (Not Illustrated)**..... | 380189 .....  |         | <b>\$176.68</b> |

\* When necessary to change the float level, one of these gaskets may be used under the float needle seat in place of P12999.  
 \*\* Visit our website to see a complete list of all gaskets included in this kit.

### Exploded View





**Precision Carburetor Parts • Prices on next page**

| Carburetor Part # | Pump     | Shaft   | Nozzle  | Idle Tube | Float   | Float Shaft | Float Valve | Float Setting | Idle Needle | Gaskets  | Repair Kit |
|-------------------|----------|---------|---------|-----------|---------|-------------|-------------|---------------|-------------|----------|------------|
| A10-2065          | —        | —       | —       | —         | —       | A32-32      | —           | 7/32          | A43-564     | A16-599  | *          |
| A10-2065-P        | —        | —       | —       | —         | —       | A32-32      | —           | 7/32          | A43-564     | A16-599  | *          |
| A10-2301          | A194-580 | A13-853 | A47-613 | —         | —       | A32-35      | A233-614    | 13/64         | —           | —        | *          |
| A10-2535-1        | A194-580 | —       | —       | —         | A30-766 | A32-32      | —           | 7/32          | A43-564     | A16-630  | *          |
| A10-2827          | —        | A13-853 | —       | A229-560  | —       | A32-35      | A233-614    | 13/64         | —           | A16-646  | *          |
| A10-2848          | A194-593 | —       | A47-652 | A229-566  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | A286-1629  |
| A10-2948          | —        | —       | —       | A229-541  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | A286-815   |
| A10-2971          | A194-593 | —       | —       | A229-569  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | *          |
| A10-2971-P        | A194-593 | —       | —       | A229-569  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | *          |
| A10-2983          | —        | —       | A47-667 | A229-567  | A30-766 | A32-32      | —           | 7/32          | A43-564     | —        | *          |
| A10-3148-1        | A194-580 | A13-853 | A47-689 | A229-572  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | *          |
| A10-3237          | A194-593 | —       | A47-702 | A229-566  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | *          |
| A10-3323          | A194-580 | A13-853 | —       | A229-560  | —       | A32-35      | A233-614    | 13/64         | —           | A16-646  | *          |
| A10-3346-1        | A194-593 | —       | A47-719 | A229-569  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | —          |
| A10-3565-1        | A194-593 | —       | A47-728 | A229-569  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | A286-1630  |
| A10-3634          | A194-580 | —       | A47-738 | —         | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | *          |
| A10-3649-1        | A194-580 | A13-853 | —       | A229-572  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | *          |
| A10-3678-12       | 194-800  | —       | —       | A229-587  | A30-766 | A32-32      | —           | 7/32          | A43-564     | A16-696  | *          |
| A10-3678-32       | 194-800  | —       | A47-773 | A229-587  | A30-766 | A32-32      | —           | 7/32          | A43-564     | A16-696  | —          |
| A10-3729          | A194-593 | —       | A47-719 | A229-569  | A30-766 | A32-32      | —           | 7/32          | A43-564     | CF16-653 | A286-1070  |
| A10-3759          | A194-580 | A13-853 | —       | A229-572  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | *          |
| A10-3859          | A194-580 | A13-853 | —       | A229-572  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | A286-939   |
| A10-3859-1        | A194-580 | —       | —       | A229-572  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | —          |
| A10-3878          | —        | —       | —       | A229-590  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | —          |
| A10-3965-12       | A194-580 | A13-853 | A47-749 | A229-584  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | —          |
| A10-4115          | A194-593 | —       | —       | A229-587  | —       | A32-32      | —           | 7/32          | A43-564     | —        | —          |
| A10-4164-1        | —        | —       | A47-755 | A229-589  | —       | A32-35      | A233-614    | 13/64         | A43-649     | A16-625  | *          |
| A10-4171          | A194-580 | —       | —       | A229-584  | —       | A32-35      | A233-614    | 13/64         | —           | A16-646  | *          |
| A10-4191          | A194-580 | A13-853 | A47-749 | A229-584  | —       | A32-35      | A233-614    | 13/64         | —           | A16-625  | *          |
| A10-4218-1        | —        | —       | —       | —         | —       | A32-35      | A233-614    | 13/64         | —           | A16-710  | —          |
| A10-4233          | A194-593 | —       | —       | A229-594  | A30-766 | A32-32      | —           | 7/32          | A43-564     | —        | —          |
| A10-4240          | A194-593 | —       | —       | A229-587  | A30-766 | A32-32      | —           | 7/32          | A43-564     | —        | —          |
| A10-4252          | A194-593 | —       | —       | A229-587  | A30-766 | A32-32      | —           | 7/32          | A43-564     | —        | A286-1632  |
| A10-4404-1        | —        | —       | A47-779 | A229-592  | —       | A32-35      | A233-614    | 13/64         | —           | A16-646  | A286-1643  |
| A10-4439          | A194-593 | —       | A47-702 | A229-566  | A30-766 | A32-32      | —           | 7/32          | A43-564     | A16-653  | *          |
| A10-4457          | A194-593 | —       | —       | A229-587  | A30-766 | A32-32      | —           | 7/32          | A43-564     | —        | *          |
| A10-4495          | A194-580 | —       | —       | —         | A30-762 | A32-35      | A233-614    | 13/64         | —           | —        | A286-1398  |

Use your Marvel-Schebler Parts and Service Manual for correct parts selection.

\* Repair kits for these carburetors are not available.

## Prices for Precision Carburetors Parts

See applicability chart on previous page.

### Pump

|                |                 |
|----------------|-----------------|
| A194-580 ..... | <b>\$83.14</b>  |
| A194-593 ..... | <b>\$161.73</b> |
| 194-800 .....  | <b>\$110.00</b> |

### Shaft

|               |                 |
|---------------|-----------------|
| A13-853 ..... | <b>\$318.26</b> |
|---------------|-----------------|

### Nozzle

|               |                 |
|---------------|-----------------|
| A47-613 ..... | <b>\$205.83</b> |
| A47-652 ..... | <b>\$152.31</b> |
| A47-667 ..... | <b>\$173.71</b> |
| A47-689 ..... | <b>\$205.83</b> |
| A47-702 ..... | <b>\$161.31</b> |
| A47-719 ..... | <b>\$83.14</b>  |
| A47-728 ..... | <b>\$148.32</b> |
| A47-738 ..... | <b>\$307.87</b> |
| A47-749 ..... | <b>\$207.53</b> |
| A47-755 ..... | <b>\$307.87</b> |
| A47-773 ..... | <b>\$463.88</b> |
| A47-779 ..... | <b>\$337.92</b> |

### Idle Tube

|                |                 |
|----------------|-----------------|
| A229-541 ..... | <b>\$106.96</b> |
| A229-560 ..... | <b>\$139.04</b> |
| A229-566 ..... | <b>\$137.64</b> |
| A229-567 ..... | <b>\$136.14</b> |
| A229-569 ..... | <b>\$117.09</b> |
| A229-572 ..... | <b>\$138.70</b> |
| A229-584 ..... | <b>\$132.74</b> |
| A229-587 ..... | <b>\$144.48</b> |
| A229-589 ..... | <b>\$119.92</b> |
| A229-590 ..... | <b>\$119.92</b> |
| A229-592 ..... | <b>\$119.92</b> |
| A229-594 ..... | <b>\$92.82</b>  |

### Idle Needle

|               |                 |
|---------------|-----------------|
| A43-564 ..... | <b>\$59.25</b>  |
| A43-649 ..... | <b>\$148.57</b> |

### Float Shaft

|              |                |
|--------------|----------------|
| A32-32 ..... | <b>\$32.09</b> |
| A32-35 ..... | <b>\$27.49</b> |

### Float Valve

|                |                 |
|----------------|-----------------|
| A233-614 ..... | <b>\$130.66</b> |
|----------------|-----------------|

### Gaskets

|                |                 |
|----------------|-----------------|
| A16-599 .....  | <b>N/A</b>      |
| A16-625 .....  | <b>\$108.20</b> |
| A16-630 .....  | <b>\$60.71</b>  |
| A16-646 .....  | <b>\$111.84</b> |
| A16-696 .....  | <b>N/A</b>      |
| A16-710 .....  | <b>\$116.20</b> |
| CF16-653 ..... | <b>\$53.86</b>  |

### Repair Kit

|                 |                 |
|-----------------|-----------------|
| A286-815 .....  | <b>\$465.92</b> |
| A286-939 .....  | <b>\$736.48</b> |
| A286-1070 ..... | <b>\$513.35</b> |
| A286-1398 ..... | <b>\$952.76</b> |
| A286-1629 ..... | <b>\$660.00</b> |
| A286-1630 ..... | <b>\$728.48</b> |
| A286-1632 ..... | <b>\$660.00</b> |
| A286-1643 ..... | <b>\$784.03</b> |

## Precision Replacement Parts

Available while supplies last.

| Description   | Part #        | Price           |
|---------------|---------------|-----------------|
| Screw .....   | A15-A15 ..... | <b>\$20.34</b>  |
| Screw .....   | A15-A23 ..... | <b>\$5.70</b>   |
| Screw .....   | A15-483 ..... | <b>\$5.06</b>   |
| Gasket .....  | A16-A32 ..... | <b>\$8.29</b>   |
| Gasket .....  | A16-221 ..... | <b>\$12.79</b>  |
| Rod .....     | A17-383 ..... | <b>\$39.75</b>  |
| Spring .....  | A24-A10 ..... | <b>\$10.62</b>  |
| Spring .....  | A24-A39 ..... | <b>\$7.84</b>   |
| Clip .....    | A29-113 ..... | <b>\$10.87</b>  |
| Plug .....    | A37-4 .....   | <b>\$1.19</b>   |
| Plug .....    | A37-7 .....   | <b>\$3.73</b>   |
| Packing ..... | A44-86 .....  | <b>\$16.17</b>  |
| Nozzle .....  | A47-719 ..... | <b>\$83.14</b>  |
| Nozzle .....  | A47-728 ..... | <b>\$148.32</b> |
| Washer .....  | A78-5 .....   | <b>\$1.70</b>   |
| Washer .....  | A78-121 ..... | <b>\$5.95</b>   |

|                     |                |                 |
|---------------------|----------------|-----------------|
| Washer .....        | A78-356 .....  | <b>\$2.25</b>   |
| Washer .....        | A78-357 .....  | <b>\$2.44</b>   |
| Washer .....        | A78-371 .....  | <b>\$4.01</b>   |
| Plug .....          | A80-151 .....  | <b>\$49.99</b>  |
| Cotter Key .....    | A82-14 .....   | <b>\$3.31</b>   |
| Pipe Plug .....     | A99-8 .....    | <b>\$25.71</b>  |
| Tube Assembly ..... | A229-560 ..... | <b>\$139.04</b> |
| Tube Assembly ..... | A229-569 ..... | <b>\$117.09</b> |
| Tube Assembly ..... | A229-579 ..... | <b>\$80.91</b>  |
| Tube Assembly ..... | A229-587 ..... | <b>\$144.48</b> |
| Tube Assembly ..... | A229-588 ..... | <b>\$117.09</b> |
| Valve .....         | A242-505 ..... | <b>\$205.83</b> |
| Valve .....         | A242-508 ..... | <b>\$221.45</b> |
| Valve .....         | A242-520 ..... | <b>\$191.04</b> |
| Valve .....         | A242-528 ..... | <b>\$182.19</b> |
| Valve .....         | A242-537 ..... | <b>\$66.20</b>  |
| Long Lock Kit ..... | A666-652 ..... | <b>\$223.21</b> |

## Marvel Repair Kits



A286-815

(not all included parts are shown)

| Carburetor Part # | Kit #           | Price           |
|-------------------|-----------------|-----------------|
| A10-3168 .....    | A286-815 .....  | <b>\$465.92</b> |
| A10-3859 .....    | A286-939 .....  | <b>\$736.48</b> |
| A10-3565-1 .....  | A286-1630 ..... | <b>\$728.48</b> |
| A10-3729 .....    | A286-1070 ..... | <b>\$513.35</b> |
| A10-3634 .....    | A286-1190 ..... | <b>\$702.78</b> |
| A10-4495 .....    | A286-1428 ..... | <b>\$890.29</b> |
| A10-4240 .....    | A286-1428 ..... | <b>\$890.29</b> |

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WE ACCEPT



# Continental Engine Parts

Find hundreds of parts for Continental engines on our website.

| Description                         | Part #      | Price    |
|-------------------------------------|-------------|----------|
| Washer.....                         | 20522       | \$0.04   |
| Screw.....                          | 21007       | \$0.46   |
| Small Intake Hose.....              | 21185       | \$7.06   |
| Cylinder Base Seal.....             | 21477       | \$1.36   |
| Exhaust Nut.....                    | 22022       | \$2.11   |
| Large Intake Hose.....              | SA22800     | \$6.40   |
| Engine Mount Bushing.....           | 23411       | \$110.24 |
| Tapered Crankshaft Seal.....        | 24321       | \$96.76  |
| Flanged Crankshaft Seal.....        | 530019      | \$82.10  |
| Valve Cover Gasket.....             | 532451      | \$5.00   |
| Gasket.....                         | 533355      | \$6.31   |
| Seal.....                           | 538556      | \$5.08   |
| Connector Pushrod Housing.....      | 539840      | \$9.85   |
| Pin.....                            | 639292      | \$0.52   |
| Oil Seal.....                       | 642714      | \$22.85  |
| Nut.....                            | 646605      | \$2.94   |
| Pushrod Housing Gasket.....         | 649952      | \$5.24   |
| Carburetor to Air Box Gasket.....   | 649974      | \$4.11   |
| Intake Gasket.....                  | 649975      | \$2.95   |
| Intake Gasket.....                  | 649976      | \$1.42   |
| Carburetor to Intake Gasket.....    | 652105      | \$2.50   |
| Gasket.....                         | 652142      | \$8.23   |
| Oil Sump Gasket.....                | 652248      | \$5.89   |
| Rocker Cover Gasket.....            | 655706      | \$4.20   |
| Clamp.....                          | 536388-1.25 | \$3.48   |
| Screw.....                          | 649353-.50  | \$1.98   |
| Screw.....                          | 649353-.62  | \$0.66   |
| Oil Screen.....                     | A3568       | \$140.00 |
| Gasket Oil Screen Housing Plug..... | MS35769-11  | \$0.92   |
| Gasket Oil Screen.....              | MS35769-48  | \$1.10   |
| Valve Cover Gasket.....             | RG-632310   | \$4.65   |
| Valve Cover Gasket.....             | RG-532451   | \$12.08  |
| Engine Mount Washer.....            | U21530A     | \$8.24   |
| Propeller Hub Flange.....           | U3991       | \$178.03 |

## Carburetor Air Boxes for 4-Cylinder Continental Engines



• Applicability: C75-8, C75-8F, C75-12, C75-12F, C85-8, C85-8F, C85-12, C85-12F, C90-8F, C90-12F engines

UA50256.....\$942.56



• Applicability: A65-1, A65-3, A65-6, A65-7, A65-8, A65-8F, A65-9, A65-9F, A65-12, A65-12F, A65-14, A65-14F engines

UA50495.....\$785.79

## Continental Carburetor Air Intake Support Assembly



Continental Bracket.....UA35917.....\$126.64

## Mounting Components for C-90-14F and O-200



• Priced and sold individually

|                             |           |         |
|-----------------------------|-----------|---------|
| 1) Washer, 8 required.....  | 530741    | \$7.97  |
| 2) Bushing, 8 required..... | 530740    | \$53.32 |
| 3) Seat, 8 required.....    | 530626    | \$27.72 |
| 4) Spacer, 4 required.....  | 653695    | \$34.37 |
| 5) Hose, 4 required.....    | 628555-16 | \$14.14 |

## Continental Rocker Cover Gasket

- Applicability: Continental A-65, A-75, C-85, C-90, O-200, C-145, O-300 engines
- Supersedes part number 3500



Reusable Silicone Gasket.....RG-530162...\$10.00

## Exhaust Gaskets

- New stainless steel exhaust gaskets
- Applicability: Continental engines
- 2 required per port (sold individually)



Exhaust Gaskets.....632837.....\$3.28

## Blo-Proof Spiral Wound Gaskets

- V-shaped spirals wound with layers of stainless steel

For Continental engines A-65; C-85; C-90; O-200; O-300; GO-300; E-185; E-225; O-470-A, -E, -J; and IO-470-J, -K.....652459.....\$16.74



For all Continental O-470 and IO-470 series engines: TSIO-470-B; TSIO-520-B, -C; GTSIO-520-C, -D (excluding O-470-A, -E, -J and IO-470-J, -K).....652458.....\$10.49



## Carburetor Induction Manifolds

For A-65, C-75, C-85, C-90.....U35145.....\$474.70  
For O-200.....U35145-A1.....\$630.33





## Continental Engine Mount Bushings

- Used on all A and C series Continental engines
- Rubber
- 8 required per installation
- Priced and sold individually

Engine Mount Bushings ..... U22387A ..... **\$6.88**



## AC Pump Adapter Kit

**FAA-PMA  
APPROVED**

Complies with AD 81-07-06 Teledyne Continental Motors, which applies to A-65, A-75, C-75, C-85, C-90, A-100, C-125, and O-200 engines equipped with AC fuel pumps, part numbers 40585, 40695 or 631391. Kit consists of the following parts: Screen #643913, Gasket #643914, and Screw #643915.

AC Pump Adapter Kit.....AF-6561 ..... **\$189.89**

## Drain Valves

### Fuel Drain Valves from MDI Aerovalve, Inc.

#### F391 Series Fuel Drain Valves

The MDI F391 flush valve is used as original equipment by most aircraft manufacturers and has been FAA-PMA approved for replacement parts. Listed below are the part numbers of the F391 valves and the aircraft they are approved for.



- A) Drain Valve – ¼ inch taper pipe fitting .....F391-14 ..... **\$40.46**  
For Cessna T-50, Piper PA-11, -12, -18, -20, -22 or aircraft with ¼ inch taper pipe fitting.
- B) Drain Valve – ⅜ inch taper pipe fitting .....F391-18 ..... **\$39.41**  
For Maule aircraft M-5 (210 engine), M-5 (235 engine), M-5 (180 engine), M-5 (210-23 turbo-charged engine) or aircraft with ⅜ inch taper pipe fitting.
- C) Drain Valve – ¾ inch 24 thread .....F391-32 ..... **\$41.79**  
For Cessna 180, 182, 185, 188, 206, 207 or aircraft with ¾ inch 24 threaded fitting (Cessna part #S2106-1).
- D) Drain Valve – 7/16 inch 20 thread .....F391-53S ..... **\$43.19**  
For Mooney M20J (201) and M20K (231) or aircraft with 7/16 inch 20 threaded fitting.
- E) Drain Valve – 7/16 inch 20 thread .....F391-72 ..... **\$40.25**  
For Cessna 152, 172, 180, 185, 210 or aircraft with 7/16 inch 20 threaded fitting (Cessna part #S2106-2).
- F) Drain Valve – ½ inch 20 thread .....F391-82 ..... **\$40.25**  
For Cessna 206, 207, 210 or aircraft with ½ inch 20 threaded fitting (Cessna part #S2020-2).

G) Drain Valve – ½ inch 27 thread.....F391-187 ..... **\$39.41**  
For Piper Arrow or aircraft with ½ inch 27 threaded fitting.

H) Drain Valve – ½ inch 27 thread .....F391-187B ..... **\$39.69**  
For Piper Arrow or aircraft with ½ inch 27 threaded fitting.

## SAF-AIR Quick Drain Valves



#### Models CAV-110 and CAV-110H-4

For Cessna 310 tip tanks, Mooney Mark 20 and 20A; all Ercoupe models, Bellanca, Taylorcraft Model B, Stinson 108, 108-1, 108-2, 108-3; Voyager Model 10 and 10A, Navion, Waco VK series and UPF, Sea Bee, and all aircraft with ½ NPT fuel outlets. Fits all standard gascolators. CAV-110H-4 comes with ¼" hose end.

#### Models CAV-160 and CAV-160H-4

For Piper models J-3, J-4, PA-11, -12, -14, -15, -16, -17, -18, -20, -22, -23, -25; Apache, Champion, Aeronca, Cessna T-50 and earlier 120 and 140 models, Beechcraft AT-11 and C-18S, and all aircraft with ¼ NPT fuel outlets. CAV-160H-4 comes with ¼" hose end.

#### Models CAV-170 and CAV-170H-4

For all Cessna late 140A models, 150, 170, 170A, 170B, 172 and 175, and all aircraft with 7/16 inch 20 threaded fuel outlets. CAV-170H-4 comes with ¼" hose end.

#### Models CAV-180 and CAV-180H-4

For Cessna 180, 182, 190, 195, 205, 210, 310, 310A, 310B, 310C, and 336, and all aircraft with ¾ inch 24 threaded fuel outlets. CAV-180H-4 comes with ¼" hose end.

| Part #                 | Thread Size  | Hose End | Price          |
|------------------------|--------------|----------|----------------|
| CAV-110                | ½ NPT        | none     | <b>\$22.45</b> |
| 22179-000 (CAV-110H-4) | ½ NPT        | ¼ inch   | <b>\$30.66</b> |
| CAV-160                | ¼ NPT        | none     | <b>\$22.89</b> |
| CAV-160H-4             | ¼ NPT        | ¼ inch   | <b>\$30.66</b> |
| CAV-170                | 7/16-20 NF-3 | none     | <b>\$23.76</b> |
| CAV-170H-4             | 7/16-20 NF-3 | ¼ inch   | <b>\$17.43</b> |
| CAV-180                | ¾-24 NF-3    | none     | <b>\$22.85</b> |
| CAV-180H-4             | ¾-24 NF-3    | ¼ inch   | <b>\$27.72</b> |

#### Replacement Seals (Fuel Resistant O-Rings)

|                  |             |               |
|------------------|-------------|---------------|
| Tip (all models) | MS29513-006 | <b>\$0.66</b> |
| Seat (180)       | MS29513-011 | <b>\$0.74</b> |
| Seat (170)       | MS29513-012 | <b>\$1.50</b> |

**Curtis Drain Valves**

Quick opening brass drain valves for aircraft oil or fuel systems. A slight twist opens the valve. No safety wire is needed in the closed position. FAA approved for use without safety wire. Stainless steel spring holds valve in closed position. Valve has synthetic rubber seal suitable for temperatures up to 225°F.



| Part #   | Thread Size  | Material       | Slot     | Price   |
|----------|--------------|----------------|----------|---------|
| CCA-1550 | 1/8 NPT      | Brass          | Straight | \$22.84 |
| CCA-1600 | 1/4 NPT      | Brass          | Straight | \$23.28 |
| CCA-1650 | 3/8 NPT      | Brass          | Straight | \$26.60 |
| CCA-1700 | 1/2 NPT      | Brass          | Straight | \$43.42 |
| CCA-4300 | 7/16-20 NF-3 | Cadmium Plated | Spiral   | \$41.19 |
| CCA-4850 | 1/8 NPT      | Cadmium Plated | Spiral   | \$25.91 |

**Flush Fuel Sampler Cup**

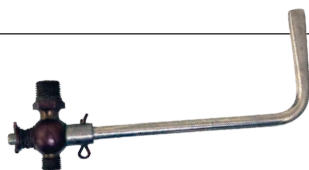
For use with F391 series flush fuel drain valves. Fuel is only released when you want it to be with the use of this fuel sampler cup, which has a large enough opening to drain fuel into the cup, not all over your arm or in your eyes on a windy day. With the F391 fuel sampler cup, checking your sumps is very simple and can usually be done in less than one minute on the average plane. You can also see water or other contaminants which are flushed from the sump.



Flush Fuel Sampler Cup ..... F391-CUP ..... **\$13.05**

**Globe Fuel Valve**

Miniature globe valve for use as stop cock or drain cock. Fits 1/8 inch on large end; complete with 3 3/4 inch handle.



Globe Valve ..... FV2002 ..... **\$6.78**

**Franklin Engine Parts**

Browse over 300 parts for Franklin engines on our website.

| Description                 | Part # | Price    |
|-----------------------------|--------|----------|
| Gasket                      | 5637   | \$3.90   |
| Magneto Shock Absorber Gear | 10601  | \$8.89   |
| Carburetor Gasket           | 10942  | \$12.60  |
| Nut                         | 12201  | \$16.70  |
| Lock Washer                 | 14872  | \$8.25   |
| Crankshaft Oil Seal Kit     | 17036  | \$77.00  |
| Screw                       | 18359  | \$7.65   |
| Magneto Shock Absorber Gear | 19313  | \$124.58 |
| Tach Seal                   | 19389  | \$20.75  |

|                      |          |         |
|----------------------|----------|---------|
| Nut                  | 19485    | \$8.75  |
| Washer               | 19X14    | \$1.61  |
| Seal                 | RG-17864 | \$4.87  |
| Engine Mount Bushing | U10246A  | \$23.33 |
| Propeller Bolt       | U17662   | \$36.62 |

**Major Overhaul Gasket Set**

|                   |       |          |
|-------------------|-------|----------|
| 150hp Gasket Set* | 18045 | \$759.00 |
| 165hp Gasket Set* | 18570 | \$759.00 |

\* Exhaust gasket not included in kits

|                           |          |         |
|---------------------------|----------|---------|
| Gasket                    | 10120    | \$27.00 |
| Silicone Oil Pan Gasket   | RG-10366 | \$42.00 |
| Top Cover Gasket          | 18532    | \$22.82 |
| Silicone Top Cover Gasket | RG-18532 | \$49.75 |

**Bushing Kits**

• Priced and sold individually

|                                        |       |          |
|----------------------------------------|-------|----------|
| Crankshaft Bushing, Standard           |       |          |
| 1 required for 150/165hp               | 19644 | \$436.43 |
| Crankshaft Bushing, .010 Undersize     |       |          |
| 1 required for 150/165hp               | 19645 | \$419.50 |
| Connecting Rod Bushing, .010 Undersize |       |          |
| 12 required for 150/165hp              | 18020 | \$90.00  |
| Connecting Rod Bushing, .020 Undersize |       |          |
| 12 required for 150/165hp              | 18021 | \$12.41  |

**Gaskets Required for Top Overhaul**

• Priced and sold individually



|                                                 |          |         |
|-------------------------------------------------|----------|---------|
| Inlet Manifold Gasket, 6 required for 150/165hp | 17671    | \$10.54 |
| Valve Cover Gasket, 6 required for 150/165hp    | RG-17727 | \$10.00 |
| Cylinder Seal Ring, 6 required for 150/165hp    | 17729    | \$4.17  |
| Magneto Gasket, 2 required for 150/165hp        | 5512     | \$11.96 |
| Valve Lifter Rod Tube Packing                   |          |         |
| 24 required for 150hp, 12 required for 165hp    | 17864    | \$3.58  |
| Valve Lifter Rod Tube Packing (Crankcase End)   |          |         |
| 12 required for 165hp                           | 17794    | \$4.88  |

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Order online at [www.univair.com](http://www.univair.com)

# Fuel Pumps

## Aero Accessories



- FAA-PMA approved direct replacement

| Continental Engine   | Aero Accessories | TCM    | A/C Type  |
|----------------------|------------------|--------|-----------|
| A-65, 8, 8F          | AF-40585         | 40585  | 9051/9867 |
| C-75, 12, 12F        | AF-40695         | 40695  | 9076/4036 |
| C-85, 8, 12          | AF-40585         | 40585  | 9051/9867 |
| C-90, 8, 8F, 12, 12F | AF-40695         | 40695  | 9076/4036 |
| C-90, 14F**          | **               | **     | **        |
| C-90, 16F*           | AF-631391        | 631391 | 6861      |
| O-200*               | AF-631391        | 631391 | 6861      |
| A-75                 | AF-40585         | 40585  | 9051/9867 |
| A-100                | AF-40585         | 40585  | 9051/9867 |
| C-125, 2             | AF-40585         | 40585  | 9051/9867 |
| C-145, 2, 2H         | AF-40585         | 40585  | 9051/9867 |

\* Uses camshaft part number 626608 or supersedure to which part number 630403 or supersedure Gear and Eccentric has been assembled. Reference Continental Service Bulletin M-76-15.

\*\* See aircraft and engine manual. This engine may use either AC part numbers 9867 or 9076. TCM part numbers 40585 or 40695. Aero Accessories part numbers AF-40585 or AF-40695.

| Description                          | Part #    | Price  |
|--------------------------------------|-----------|--------|
| Aero Accessories Fuel Pump, Overhaul | 6861      | CALL   |
| Aero Accessories Fuel Pump, Overhaul | 9051      | CALL   |
| Aero Accessories Fuel Pump, Overhaul | 9076      | CALL   |
| Aero Accessories Fuel Pump, Overhaul | 40585     | CALL   |
| Aero Accessories Fuel Pump, Overhaul | 40695     | CALL   |
| Aero Accessories Fuel Pump, Overhaul | 631391    | CALL   |
| Continental Fuel Pump Gasket         | 653879    | \$4.07 |
| Aero Accessories Fuel Pump, New      | AF-40585  | CALL   |
| Aero Accessories Fuel Pump, New      | AF-40695  | CALL   |
| Aero Accessories Fuel Pump, New      | AF-631391 | CALL   |

# Fuel Tank Accessories



1



2



3

- 1) Gas Filler Neck and Sleeve..... 415-48033-1 ..... **\$21.19**

These brass filler necks and sleeves are designed to be soldered to a template tank, but can be adapted to almost any tank by soldering a ring to the sleeve and riveting it to your tank.

- 2) Fuel Tank Strainer ..... 415-48081-1 ..... **\$28.61**

To be used in the fuel tank outlet. This little strainer measures 3/8 inch in diameter and 1 7/8 inches long. It has brass end fittings that measure 3/16 inch in outside diameter up to the collar, which has a 7/16 inch outside diameter.

- 3) Gas Cap Gaskets ..... 13423 ..... **\$4.64**

Leather gas cap gasket measures 2 1/4 inches outside diameter by 1 1/2 inches inside diameter by 3/32 inch thick.

# Fuel Valves



J-3 Fuel Valve



Fuel Valve Handle



Luscombe Fuel Valve

**Kits below come with mounting hardware. Handles not included.**

| Description                                     | Part #         | Price    |
|-------------------------------------------------|----------------|----------|
| Stinson Fuel Valve Kit, For 1/2 inch Fuel Lines | 108-9010076-12 | \$579.32 |
| Stinson Fuel Valve Kit, For 3/8 inch Fuel Lines | 108-9010076-38 | \$579.32 |
| Cessna 120/140 Fuel Valve Handle                | U0411716-003   | \$72.20  |
| Cessna 120/140 Fuel Valve Kit                   | U0411716-500   | \$598.27 |
| Luscombe 8 Series Fuel Valve (Valve Only)       | U286094-000    | \$504.66 |
| Luscombe 8E/8F Fuel Valve Kit                   | U286094-A      | \$614.78 |
| Piper PA-18 Fuel Valve Kit                      | U491-947K      | \$507.75 |
| Piper PA-20/PA-22 Fuel Valve Kit                | U491-947K2     | \$563.32 |
| Piper PA-18, -20, -22 Fuel Valve Handle         | U61964-200     | \$87.93  |
| Piper J-3 Fuel Valve                            | U70781-000     | \$210.06 |

# Gascolators

| Description                    | Part #      | Price    |
|--------------------------------|-------------|----------|
| Cessna Fuel Strainer           | 0422130     | \$605.64 |
| Piper Strainer                 | 16206-000   | \$214.50 |
| Piper Gascolator               | 496-003     | \$18.05  |
| Piper Strainer                 | 757-668     | \$0.50   |
| Stinson Fuel Tank Strainer     | 108-1121118 | \$52.89  |
| Ercoupe Strainer               | 415-48055   | \$33.17  |
| Ercoupe Fuel Tank Strainer     | 415-48081-1 | \$28.61  |
| Ercoupe Strainer Assembly      | 415-48193   | \$289.90 |
| Ercoupe Tank Strainer Assembly | F48108      | \$137.49 |
| Ercoupe Strainer Assembly      | F48236      | \$178.37 |
| Piper Fuel Tank Strainer       | U72091-000  | \$72.72  |
| Piper Fuel Tank Strainer       | U72091-005  | \$107.84 |

**Complete Piper Gascolator**



- Applicability: Piper J-3, PA-11, PA-12, 14, 15, 16, 17, 18, 20, 22
- Metal bowl with quick drain



Gascolator ..... U14330-002 ..... **\$315.59**

**Gascolator for Larger 1/2" Fuel Lines**

- 1/2" gascolator with metal bowl and quick drain
- Gascolator for use with 1/2" fuel lines similar to U14330-002 except with large head for 1/2" fuel system



Complete 1/2" Gascolator ..... 1702\* ..... **\$433.41**  
 1/2" Gascolator Head ..... 1700\* ..... **\$199.71**  
 1/2" Gascolator Screen ..... 1701 ..... **\$9.49**

\* Requires field approval or STC call out

**Miscellaneous Gascolator Parts**

|                                               |                      |                 |
|-----------------------------------------------|----------------------|-----------------|
| Stinson Valve to Strainer Tube Assembly ..... | 108-6222100-52 ..... | <b>\$237.86</b> |
| Piper Tube Hose to Strainer, Left Tank .....  | 11987-025 .....      | <b>\$28.71</b>  |
| Stinson Fuel Strainer Gasket .....            | 2212A .....          | <b>\$5.20</b>   |
| Aeronca Gascolator Support .....              | 2-727 .....          | <b>\$48.68</b>  |
| Ercoupe Gascolator Bracket .....              | 415-48308-001 .....  | <b>\$49.04</b>  |
| 2 inch Gasket.....                            | LAT-08 .....         | <b>\$3.74</b>   |
| Piper 2 1/8 inch Fuel Strainer Bowl .....     | U12764-000 .....     | <b>\$143.56</b> |
| Piper Gascolator Bail .....                   | U494-644 .....       | <b>\$74.66</b>  |
| Piper Gascolator Mounting Bracket.....        | U71991-000 .....     | <b>\$89.87</b>  |
| Piper Gascolator Nut .....                    | U72302-003 .....     | <b>\$22.40</b>  |
| Piper Gascolator Bail Wire .....              | U750-268 .....       | <b>\$45.15</b>  |
| Piper Gascolator Screen.....                  | U750-272 .....       | <b>\$3.03</b>   |
| Piper Gascolator Bowl Seat .....              | U750-273 .....       | <b>\$19.85</b>  |
| Piper 2 1/8 inch Gasket.....                  | U85012-032 .....     | <b>\$4.40</b>   |
| Piper 2 1/8 inch Gascolator Top .....         | U87477-002 .....     | <b>\$128.97</b> |

**Gaskets**

**Real Gaskets Tennessee**



- Made from aerospace mechanical grade AMS silicone
- 100% reusable
- Can withstand temperatures up to 400°F
- Designed to last the life of the engine



See our website for exact engine model applicability.

**Franklin**

|                          |                |                |
|--------------------------|----------------|----------------|
| Oil Pan Gasket .....     | RG-10366 ..... | <b>\$42.00</b> |
| Valve Cover Gasket ..... | RG-17727 ..... | <b>\$10.00</b> |
| Top Cover Gasket .....   | RG-18532 ..... | <b>\$49.75</b> |

**Continental**

|                          |                 |                |
|--------------------------|-----------------|----------------|
| Valve Cover Gasket ..... | RG-530162 ..... | <b>\$10.00</b> |
| Valve Cover Gasket ..... | RG-532451 ..... | <b>\$12.08</b> |
| Valve Cover Gasket ..... | RG-534857 ..... | <b>\$11.78</b> |
| Valve Cover Gasket ..... | RG-632310 ..... | <b>\$4.65</b>  |
| Valve Cover Gasket ..... | RG-632459 ..... | <b>\$5.05</b>  |

**Lycoming**

|                          |                |                |
|--------------------------|----------------|----------------|
| Valve Cover Gasket ..... | RG-67193 ..... | <b>\$11.03</b> |
| Valve Cover Gasket ..... | RG-71450 ..... | <b>\$13.13</b> |
| Valve Cover Gasket ..... | RG-75906 ..... | <b>\$10.00</b> |

**Lubricant**

**Avblend Lubricant**



- The only FAA approved pure lubricant
- Control damaging rust and corrosion in your engine
- Provide positive lubrication and prevent dry engine starts
- Keep new and rebuilt engines dimensionally correct
- Control critical engine temperatures
- Prevent unnecessary maintenance expense caused by premature wear
- Restore performance to engines with accumulated hours

|                               |                 |                |
|-------------------------------|-----------------|----------------|
| 12 Ounce Can, Single .....    | AVBLEND-1 ..... | <b>\$19.95</b> |
| 12 Ounce Can, Pack of 4 ..... | AVBLEND-4 ..... | <b>\$74.00</b> |

**Lycoming Engine Parts**

Find hundreds of parts for Lycoming engines on our website.

|                          |                    |                 |
|--------------------------|--------------------|-----------------|
| Oil Screen Gasket .....  | 61173 .....        | <b>\$2.40</b>   |
| Gasket .....             | 71973 .....        | <b>\$1.84</b>   |
| Valve Cover Gasket ..... | 06B26669 .....     | <b>\$8.14</b>   |
| Stud .....               | 31C-12 .....       | <b>\$10.00</b>  |
| Belt .....               | 37B19774-325 ..... | <b>\$120.96</b> |
| Connecting Rod Nut.....  | LW12186 .....      | <b>\$7.48</b>   |
| Hose.....                | STD-1196 .....     | <b>\$5.96</b>   |
| Nut.....                 | STD-1410 .....     | <b>\$3.20</b>   |
| Nut.....                 | STD-1411 .....     | <b>\$3.64</b>   |
| Bolt.....                | STD-1414 .....     | <b>\$4.91</b>   |
| Bolt.....                | STD-1416 .....     | <b>\$6.40</b>   |
| Washer.....              | STD-160 .....      | <b>\$1.07</b>   |
| Screw .....              | STD-1925 .....     | <b>\$1.88</b>   |
| Hose.....                | STD-2180 .....     | <b>\$9.10</b>   |
| Washer, 3/16 inch.....   | STD-475 .....      | <b>\$1.44</b>   |
| Washer, 1/4 inch.....    | STD-8 .....        | <b>\$2.45</b>   |



## Engine Mount Bushings

- 8 each required
- Priced and sold individually



Without collar

With collar

|                              |               |                |
|------------------------------|---------------|----------------|
| Bushing Without Collar ..... | 60883 .....   | <b>\$39.24</b> |
| Bushing With Collar.....     | 71032 .....   | <b>\$16.16</b> |
| Bushing Washer .....         | STD-619 ..... | <b>\$15.60</b> |

## Blo-Proof Spiral Wound Gaskets

- These special gaskets are V-shaped spirals wound with layers of stainless steel



|                                                                                                                          |               |                |
|--------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
| For Lycoming engines IO-540; IO-540-B,<br>-E, -M, -WD; IGO-540-B; IGSO-540-B;<br>TIO-540, -541 and TGIO-541 (65321)..... | LW15486 ..... | <b>\$29.14</b> |
| For all remaining Lycoming engines (75118).....                                                                          | 77611 .....   | <b>\$12.56</b> |

## Magnetos

Magneto replacement parts manufactured by Aero Accessories, Inc. are the highest quality direct replacement parts, PMA'd for installation and use on certified aircraft. Always refer to the parts and service manual of the original equipment manufacturer, or to Aircraft Type Certificate Data Sheets or other FAA approved data, to determine eligibility of a part or component for use in your application.

## Bendix Magneto Repair Kit

- For minor repairs such as a 500 hour inspection

### Kit Includes:

|                          |                   |                  |
|--------------------------|-------------------|------------------|
| 1 – Contact Assembly Kit | 1 – Oil Slinger   | 1 – Felt Washer  |
| 1 – Capacitor            | 3 – Woodruff Keys | 1 – Felt Strip   |
| 2 – Bearings             | 1 – Cotter Pin    | 1 – Snap Ring    |
| 1 – Oil Seal             | 1 – Cam Screw     | 1 – Carbon Brush |

|                               |                |                 |
|-------------------------------|----------------|-----------------|
| Magneto Minor Repair Kit..... | AB-485-R ..... | <b>\$292.66</b> |
|-------------------------------|----------------|-----------------|

## Bendix Magneto Deluxe Repair Kit

- For major repairs such as a magneto overhaul
- Some parts that need replacing during magneto overhaul are not included in this kit. Refer to the TCM (Bendix) Master Service Manual for additional parts not included in this kit.

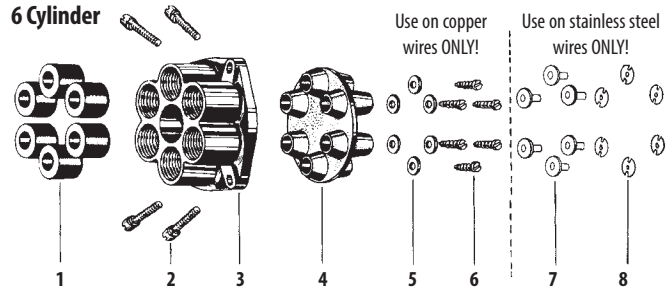
### Kit Includes:

|                           |                 |                   |
|---------------------------|-----------------|-------------------|
| 1 – Contact Assembly Kit  | 1 – Capacitor   | 3 – Woodruff Keys |
| 1 – Coil Kit              | 2 – Bearings    | 1 – Cotter Pin    |
| 1 – Distributor Block Kit | 1 – Oil Seal    | 1 – Cam Screw     |
| 1 – Gear Kit              | 1 – Oil Slinger |                   |

|                                 |                |                 |
|---------------------------------|----------------|-----------------|
| Magneto Deluxe Repair Kit ..... | AB-485-D ..... | <b>\$728.51</b> |
|---------------------------------|----------------|-----------------|

## Bendix High Tension Terminal Kit

For converting Bendix S6 series magnetos to a shielded system, you will need a High Tension Terminal Kit. Part numbers are in the chart below. Ground Terminal Kit part numbers may also be found on this chart.



| Fig # / Description                                     | # Req'd | Part #            | Price          |
|---------------------------------------------------------|---------|-------------------|----------------|
| 1) Cable Protection Grommet <sup>1</sup> .....          | 6 ..... | 10-52934 .....    | <b>\$6.89</b>  |
| 2) Screw and Lock Washer (Cable Outlet Plate).....      | 4 ..... | 10-35937-10 ..... | <b>\$1.37</b>  |
| 3) Cable Outlet Plate (Threaded Outlets) .....          | 1 ..... | 10-50766 .....    | <b>\$71.50</b> |
| 4) Cable Outlet Grommet.....                            | 1 ..... | 10-50771 .....    | <b>\$25.45</b> |
| 5) Plain Washer <sup>2</sup> .....                      | 6 ..... | 10-8785 .....     | <b>\$0.96</b>  |
| 6) High Tension Cable Screw .....                       | 6 ..... | 10-14215 .....    | <b>\$2.74</b>  |
| 7) High Tension Cable Contact Eyelet <sup>3</sup> ..... | 6 ..... | 10-163012 .....   | <b>\$2.82</b>  |
| 8) Washer <sup>4</sup> .....                            | 6 ..... | 10-51677 .....    | <b>\$9.32</b>  |

<sup>1</sup> Used with non-shielding installations

<sup>2</sup> Used only with copper conductor cable

<sup>3</sup> Used only with stainless steel conductor cable

<sup>4</sup> Alternate method of securing stainless steel wires

## Magneto Terminal Kits

Each magneto requires a **High Tension Terminal Kit** and a **Ground Terminal Kit** to complete installation.

| Type    | Mag Ref #   | Replaces Part #  | Terminal Kits |            |
|---------|-------------|------------------|---------------|------------|
|         |             |                  | High Tension  | Ground     |
| S6LN-20 | 10-51365-31 | 10-51365-15      | 10-52936      | 10-52305-1 |
| S6LN-20 | 10-51360-33 | 10-51365-25      |               |            |
| S6LN-20 | 10-51365-43 | 10-51365-17      |               |            |
| S6LN-20 | 10-51365-44 | 10-51365-29      |               |            |
| S6LN-20 | 10-51365-46 | 10-51365-27      |               |            |
| S6LN-21 | 10-51365-32 | 10-51365-20      | 10-52936      | 10-52305-1 |
| S6LN-21 | 10-51365-39 | 10-51365-1       |               |            |
| S6LN-21 | 10-51365-42 | 10-51365-16      |               |            |
| S6LN-21 | 10-51365-45 | 10-51365-30      |               |            |
| S6LN-21 | 10-51365-47 | 10-51365-28      |               |            |
| S6RN-21 | 10-51365-34 | 10-51365-26      | 10-52936      | 10-52305-1 |
| S6RN-21 | 10-51365-35 | —                |               |            |
| S6RN-21 | 10-51365-40 | 10-51365-2, -13  |               |            |
| S6RN-21 | 10-51365-48 | 10-51365-7, -14  |               |            |
| S6RN-21 | 10-51365-41 | 10-51365-5       | 10-52936      | 10-52306   |
| S6LN-22 | 10-52350-22 | 10-52350-14, -17 | 10-52936      | 10-52306   |

CONTINUED >>>



<<< CONTINUED

| Type    | Mag Ref #   | Replaces Part # | Terminal Kits |            |
|---------|-------------|-----------------|---------------|------------|
|         |             |                 | High Tension  | Ground     |
| S6LN-23 | 10-52350-20 | 10-52350-6      | 10-52936      | 10-52306   |
| S6RN-23 | 10-52350-19 | 10-52350-2      |               |            |
| S6RN-23 | 10-52350-21 | 10-52350-8      | 10-52936      | 10-52306   |
| S6RN-23 | 10-52350-23 | 10-52350-15,-18 |               |            |
| S6RN-25 | 10-79020-8  | 10-79020-2, -5  | 10-52936      | 10-52305-1 |
| S6RN-26 | 10-85290-2  | Not Changed     | 10-52936      | 10-52305-1 |

High Tension Terminal Kit..... 10-52936 ..... **\$101.62**  
 Ground Terminal Kit ..... 10-52305-1 ..... **\$71.03**  
 Ground Terminal Kit ..... 10-52306 ..... **\$102.61**

**Inductor Magneto Synchronizers**

- Powered by 9 volt battery
- Utilizes latest digital integrated circuitry
- LED lights reduce battery drain
- Compact size: ¾ x 3 x 5 inches, 9 ounces
- Anodized aluminum casing will not melt or break
- Models with a tweeter provide audio as well as visual indication of operation



Single Magneto Synchronizer with Tweeter.....AA003 ..... **\$76.50**  
 Dual Magneto Synchronizer with Tweeter.....AA004 ..... **\$84.00**

**Manuals**

**Eisemann Manual**

The Eisemann magnetos manual contains service and overhaul information, exploded views and parts listings.

Eisemann LA Series Magnetos Handbook and Instructions.....E-LAHB ..... **\$21.30**



**Continental Engine Manuals**

**Continental Owners Manuals**

A and C Series, 4-cylinder, Owners Manual..... AC4WM ..... **\$12.78**  
 A and C Series, 6-cylinder, Owners Manual..... AC6WM ..... **\$12.78**  
 C Series, 6-cylinder, Owners Manual..... C6WM ..... **\$12.78**  
 O Series, 6-cylinder, Owners Manual..... CO6WM ..... **\$12.78**

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**Franklin Engine Manuals**

Service Parts List, 6A4-150-B3 and 6A4-145-A3 ..... F150PM ..... **\$22.25**  
 Service Parts List, 6A4-165-B3/B31 ..... F165PM ..... **\$22.25**  
 Service Manual, 6A4-150-B3/B31 and 6A4-165-B3 ..... FESM ..... **\$28.40**  
 Service Bulletins and Letters ..... FESB ..... **\$60.59**

**Lycoming Engine Manuals**

**Lycoming Operators Manuals**

0-320, IO-320, AIO-320 and LIO-320 Series.....60297-16 ..... **\$23.11**  
 0-360 "76" Series ..... 60297-25 ..... **\$42.00**  
 0-320 Series.....60297-30 ..... **\$45.00**

**Lycoming Parts Manuals**

0-145 and G0-145 Instructions and Parts Manual and Magneto Section..... L145PM ..... **\$24.14**  
 0-290-D Series ..... PC102-1 ..... **\$63.00**  
 Model 0-340 ..... PC105 ..... **\$52.50**  
 0-320-B and 0-320-D ..... PC203-2 ..... **\$63.00**

**Oil Filters**

Please refer to the **Champion Oil Filter Application Chart** for exact aircraft and engine model application. This chart can be found on our website.

Champion Oil Filter - Cessna, Mooney, Piper ..... CH48103-1..... **\$57.95**  
 Champion Oil Filter - Cessna, Beech, Piper ..... CH48109-1..... **\$61.00**  
 Champion Oil Filter - Cessna, Bellanca, Mooney, Piper..... CH48110-1..... **\$57.35**  
 Champion Oil Filter - Cessna..... CH48111-1..... **\$59.48**  
 Champion Oil Filter Element ..... CF0100-1..... **\$35.26**



Photo by sdbuckerflight • Flickr

# Shielded Ignition Leads

## How To Select the Correct Ignition Lead Model

To order the correct lead, select the ignition lead model from the table below based on your magneto type.

| Magneto                               | Spark Plug $\frac{5}{8}$ x 24 |
|---------------------------------------|-------------------------------|
| Eisemann LA-4                         | Use model 102                 |
| Eisemann LA-6                         | Use model 102                 |
| Scintilla SF-4 Series                 | Use model 104                 |
| Scintilla SF-6 Series                 | Use model 104                 |
| Scintilla S4 Series with Threaded Cap | Use model 101                 |
| Scintilla S6 Series with Threaded Cap | Use model 101                 |

**Example:** An engine with  $\frac{5}{8}$  x 24 spark plugs and a Scintilla S6 series magneto with threaded cap uses a 101 model lead.

**NOTE:** Threaded high tension terminal plates must be used when upgrading from unshielded to shielded ignition leads. See page 186 for Bendix Magneto details.

## Find the Right Lead Length

If you are replacing an existing lead, measure the exact length, **ferrule-to-ferrule**, and use this as the last part of your order number. Leads are manufactured in 3" increments from 19" to 60".

**Example:** If you need a 101 series lead and the ferrule-to-ferrule measurement is 33 inches long, the Univair part number would be 101-33.



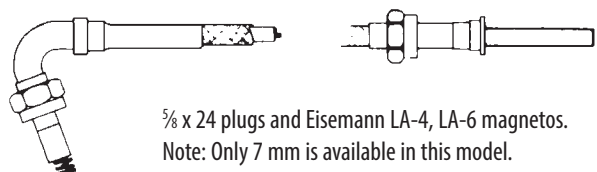
### Model 101



$\frac{5}{8}$  x 24 plugs and Bendix Scintilla S4, S6 series with threaded cap, and Bendix S20, S200, S700, S1200 and D2000 magnetos with threaded  $\frac{11}{64}$  x 24 male outlets.

- Elbow Design:  $\frac{5}{8}$  x 24, 70°
- Terminal Design – Spark Plug End: Standard glazed ceramic  $\frac{9}{16}$  insulator, silicone rubber grommet
- Terminal Design – Magneto End:  $\frac{11}{64}$  x 24 male thread square head nut
- Wire Size and Type: 7 mm shielded
- Availability (in 3" increments): 101-15 through 101-72

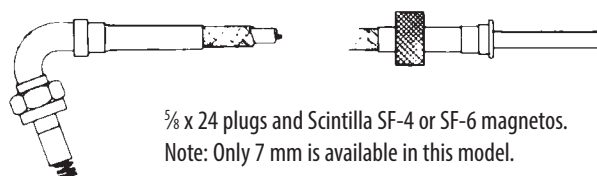
### Model 102



$\frac{5}{8}$  x 24 plugs and Eisemann LA-4, LA-6 magnetos.  
Note: Only 7 mm is available in this model.

- Elbow Design:  $\frac{5}{8}$  x 24, 70°
- Terminal Design – Spark Plug End: Standard glazed ceramic  $\frac{9}{16}$  insulator, silicone rubber grommet
- Terminal Design – Magneto End:  $\frac{11}{64}$  x 24 female thread hex head nut
- Wire Size and Type: 7 mm shielded
- Availability (in 3" increments): 102-21 through 102-69

### Model 104



$\frac{5}{8}$  x 24 plugs and Scintilla SF-4 or SF-6 magnetos.  
Note: Only 7 mm is available in this model.

- Elbow Design:  $\frac{5}{8}$  x 24, 70°
- Terminal Design – Spark Plug End: Standard glazed ceramic  $\frac{9}{16}$  insulator, silicone rubber grommet
- Terminal Design – Magneto End:  $\frac{3}{4}$  x 18 female thread knurled round nut
- Wire Size and Type: 7 mm shielded
- Availability (in 3" increments): 104-21 through 104-54, 104-60 through 104-69

## Routing Charts

To determine your requirement:

- Check your spark plug
- Check your magneto
- Check the chart under your engine model

All the information to assist you in determining your need is given in the charts below and the preceding page.

The length of the lead is shown in the chart under your specific engine. Length is measured **ferrule-to-ferrule**, with length designated after the dash in the part number. Example: Part number 101-42 is a 42 inch lead. Make selection of as many leads as your engine requires.

### Price chart on page 192

#### Continental Engines

##### Engine Model A50, A65, A75, A80

Bendix S4RN-20, S4RN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-24   | 102-24   | 104-24   |
| T2       | 3L      | 101-36   | 102-36   | 104-36   |
| T3       | 2R      | 101-30   | 102-30   | 104-30   |
| T4       | 4L      | 101-33   | 102-33   | 104-33   |
| B1       | 1L      | 101-36   | 102-36   | 104-36   |
| B2       | 3R      | 101-24   | 102-24   | 104-24   |
| B3       | 2L      | 101-27   | 102-27   | 104-27   |
| B4       | 4R      | 101-33   | 102-33   | 104-33   |
| Lead Set |         | 101-105  | 102-105  | 104-105  |

##### Engine Model CF75-12, -12F, -12FJ, C85-12F, -12FJ, C90-12, O200A

Bendix S4LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-39   | 102-39   | 104-39   |
| T2       | 3R      | 101-42   | 102-42   | 104-42   |
| T3       | 2R      | 101-42   | 102-42   | 104-42   |
| T4       | 4R      | 101-42   | 102-42   | 104-42   |
| B1       | 1L      | 101-39   | 102-39   | 104-39   |
| B2       | 3L      | 101-39   | 102-39   | 104-39   |
| B3       | 2L      | 101-42   | 102-42   | 104-42   |
| B4       | 4L      | 101-42   | 102-42   | 104-42   |
| Lead Set |         | 101-106  | 102-106  | 104-106  |

##### Engine Model C85-8, -8F, C90-8F, -8FJ

Bendix S4LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-39   | 102-39   | 104-39   |
| T2       | 3R      | 101-42   | 102-42   | 104-42   |
| T3       | 2R      | 101-42   | 102-42   | 104-42   |
| T4       | 4R      | 101-42   | 102-42   | 104-42   |
| B1       | 1L      | 101-36   | 102-36   | 104-36   |
| B2       | 3L      | 101-36   | 102-36   | 104-36   |
| B3       | 2L      | 101-42   | 102-42   | 104-42   |
| B4       | 4L      | 101-39   | 102-39   | 104-39   |
| Lead Set |         | 101-107  | 102-107  | 104-107  |

##### Engine Model C125, C145, O300

Bendix S6LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 4R      | 101-36   | 102-36   | 104-36   |
| T3       | 3R      | 101-42   | 102-42   | 104-42   |
| T4       | 6R      | 101-48   | 102-48   | 104-48   |
| T5       | 5R      | 101-42   | 102-42   | 104-42   |
| T6       | 2R      | 101-48   | 102-48   | 104-48   |
| B1       | 1L      | 101-39   | 102-39   | 104-39   |
| B2       | 4L      | 101-36   | 102-36   | 104-36   |
| B3       | 3L      | 101-45   | 102-45   | 104-45   |
| B4       | 6L      | 101-42   | 102-42   | 104-42   |
| B5       | 5L      | 101-51   | 102-51   | 104-51   |
| B6       | 2L      | 101-48   | 102-48   | 104-48   |
| Lead Set |         | 101-108  | 102-108  | 104-108  |

##### Engine Model G0-300A

Bendix S6RN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-36   | 102-36   | 104-36   |
| T2       | 4R      | 101-39   | 102-39   | 104-39   |
| T3       | 5R      | 101-39   | 102-39   | 104-39   |
| T4       | 2R      | 101-51   | 102-51   | 104-51   |
| T5       | 3R      | 101-45   | 102-45   | 104-45   |
| T6       | 6R      | 101-54   | 102-54   | 104-54   |
| B1       | 1L      | 101-36   | 102-36   | 104-36   |
| B2       | 4L      | 101-33   | 102-33   | 104-33   |
| B3       | 5L      | 101-48   | 102-48   | 104-48   |
| B4       | 2L      | 101-42   | 102-42   | 104-42   |
| B5       | 3L      | 101-51   | 102-51   | 104-51   |
| B6       | 6L      | 101-48   | 102-48   | 104-48   |
| Lead Set |         | 101-109  | 102-109  | 104-109  |

##### Engine Model E165, E185, E225

Bendix S6LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-36   | 102-36   | 104-36   |
| T2       | 4R      | 101-42   | 102-42   | 104-42   |
| T3       | 3R      | 101-45   | 102-45   | 104-45   |
| T4       | 6R      | 101-51   | 102-51   | 104-51   |
| T5       | 5R      | 101-48   | 102-48   | 104-48   |
| T6       | 2R      | 101-48   | 102-48   | 104-48   |
| B1       | 1L      | 101-36   | 102-36   | 104-36   |
| B2       | 4L      | 101-33   | 102-33   | 104-33   |
| B3       | 3L      | 101-45   | 102-45   | 104-45   |
| B4       | 6L      | 101-45   | 102-45   | 104-45   |
| B5       | 5L      | 101-51   | 102-51   | 104-51   |
| B6       | 2L      | 101-45   | 102-45   | 104-45   |
| Lead Set |         | 101-110  | 102-110  | 104-110  |

## Chart Symbol Definitions

Cylinder column: T = Top, B = Bottom

Magneto column: L = Left, R = Right

**Prices on page 192**

### Engine Model E165, E185, E225 Crossfire

Bendix S6LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 4L      | 101-42   | 102-42   | 104-42   |
| T3       | 3R      | 101-42   | 102-42   | 104-42   |
| T4       | 6L      | 101-45   | 102-45   | 104-45   |
| T5       | 5R      | 101-48   | 102-48   | 104-48   |
| T6       | 2L      | 101-48   | 102-48   | 104-48   |
| B1       | 1L      | 101-33   | 102-33   | 104-33   |
| B2       | 4R      | 101-36   | 102-36   | 104-36   |
| B3       | 3L      | 101-42   | 102-42   | 104-42   |
| B4       | 6R      | 101-48   | 102-48   | 104-48   |
| B5       | 5L      | 101-48   | 102-48   | 104-48   |
| B6       | 2R      | 101-48   | 102-48   | 104-48   |
| Lead Set |         | 101-111  | 102-111  | 104-111  |

### Engine Model 0470-4, -11, -13A

Bendix S6LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 4L      | 101-39   | 102-39   | 104-39   |
| T3       | 3R      | 101-42   | 102-42   | 104-42   |
| T4       | 6L      | 101-45   | 102-45   | 104-45   |
| T5       | 5R      | 101-48   | 102-48   | 104-48   |
| T6       | 2L      | 101-51   | 102-51   | 104-51   |
| B1       | 1L      | 101-42   | 102-42   | 104-42   |
| B2       | 4R      | 101-42   | 102-42   | 104-42   |
| B3       | 3L      | 101-48   | 102-48   | 104-48   |
| B4       | 6R      | 101-51   | 102-51   | 104-51   |
| B5       | 5L      | 101-54   | 102-54   | 104-54   |
| B6       | 2R      | 101-54   | 102-54   | 104-54   |
| Lead Set |         | 101-112  | 102-112  | 104-112  |

### Engine Model 0470B, -J, -K, -L, -M, -R, etc., IO-470 Series, IO-520 Series

Bendix S6RN-25 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-18   | 102-18   | 104-18   |
| T2       | 4L      | 101-18   | 102-18   | 104-18   |
| T3       | 3R      | 101-18   | 102-18   | 104-18   |
| T4       | 6L      | 101-18   | 102-18   | 104-18   |
| T5       | 5R      | 101-21   | 102-21   | 104-21   |
| T6       | 2L      | 101-21   | 102-21   | 104-21   |
| B1       | 1L      | 101-36   | 102-36   | 104-36   |
| B2       | 4R      | 101-36   | 102-36   | 104-36   |
| B3       | 3L      | 101-36   | 102-36   | 104-36   |
| B4       | 6R      | 101-33   | 102-33   | 104-33   |
| B5       | 5L      | 101-39   | 102-39   | 104-39   |
| B6       | 2R      | 101-39   | 102-39   | 104-39   |
| Lead Set |         | 101-113  | 102-113  | 104-113  |

## Lycoming Engines

### Engine Model 0-235, 0-290

Bendix S4LN-20, S4LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 3L      | 101-33   | 102-33   | 104-33   |
| T3       | 2R      | 101-27   | 102-27   | 104-27   |
| T4       | 4L      | 101-27   | 102-27   | 104-27   |
| B1       | 1L      | 101-51   | 102-51   | 104-51   |
| B2       | 3R      | 101-48   | 102-48   | 104-48   |
| B3       | 2L      | 101-45   | 102-45   | 104-45   |
| B4       | 4R      | 101-42   | 102-42   | 104-42   |
| Lead Set |         | 101-114  | 102-114  | 104-114  |

### Engine Model 0-320, 0-340-A1A

Bendix S4LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 3L      | 101-33   | 102-33   | 104-33   |
| T3       | 2R      | 101-27   | 102-27   | 104-27   |
| T4       | 4L      | 101-24   | 102-24   | 104-24   |
| B1       | 1L      | 101-51   | 102-51   | 104-51   |
| B2       | 3R      | 101-48   | 102-48   | 104-48   |
| B3       | 2L      | 101-45   | 102-45   | 104-45   |
| B4       | 4R      | 101-42   | 102-42   | 104-42   |
| Lead Set |         | 101-115  | 102-115  | 104-115  |

### Engine Model 0-320A, -B, 0-360

Bendix S4LN-20, S4LN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-36   | 102-36   | 104-36   |
| T2       | 3L      | 101-36   | 102-36   | 104-36   |
| T3       | 2R      | 101-30   | 102-30   | 104-30   |
| T4       | 4L      | 101-30   | 102-30   | 104-30   |
| B1       | 1L      | 101-54   | 102-54   | 104-54   |
| B2       | 3R      | 101-51   | 102-51   | 104-51   |
| B3       | 2L      | 101-48   | 102-48   | 104-48   |
| B4       | 4R      | 101-45   | 102-45   | 104-45   |
| Lead Set |         | 101-116  | 102-116  | 104-116  |

### Engine Model 0-435A

Bendix S6LN-50, S6LN-51 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 3L      | 101-33   | 102-33   | 104-33   |
| T3       | 2R      | 101-27   | 102-27   | 104-27   |
| T4       | 4L      | 101-27   | 102-27   | 104-27   |
| T5       | 4L      | 101-21   | 102-21   | 104-21   |
| T6       | 4L      | 101-21   | 102-21   | 104-21   |
| B1       | 1L      | 101-51   | 102-51   | 104-51   |
| B2       | 3R      | 101-54   | 102-54   | 104-54   |
| B3       | 2L      | 101-48   | 102-48   | 104-48   |
| B4       | 4R      | 101-51   | 102-51   | 104-51   |
| B5       | 4R      | 101-45   | 102-45   | 104-45   |
| B6       | 4R      | 101-48   | 102-48   | 104-48   |
| Lead Set |         | 101-117  | 102-117  | 104-117  |

## Chart Symbol Definitions

Cylinder column: T = Top, B = Bottom  
Magneto column: L = Left, R = Right

**Prices on page 192**

### Engine Model O-435-23

Bendix S6LN-20, S6RN-21 • Plug Nut  $\frac{5}{8}$  x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-27   | 102-27   | 104-27   |
| T2       | 4L      | 101-27   | 102-27   | 104-27   |
| T3       | 5R      | 101-21   | 102-21   | 104-21   |
| T4       | 2L      | 101-18   | 102-18   | 104-18   |
| T5       | 3R      | 101-15   | 102-15   | 104-15   |
| T6       | 6L      | 101-21   | 102-21   | 104-21   |
| B1       | 1L      | 101-60   | 102-60   | 104-60   |
| B2       | 4R      | 101-63   | 102-63   | 104-63   |
| B3       | 5L      | 101-57   | 102-57   | 104-57   |
| B4       | 2R      | 101-60   | 102-60   | 104-60   |
| B5       | 3L      | 101-60   | 102-60   | 104-60   |
| B6       | 6R      | 101-51   | 102-51   | 104-51   |
| Lead Set |         | 101-118  | 102-118  | 104-118  |

### Engine Model O-540

Bendix S6LN-20, S6RN-21 • Plug Nut  $\frac{5}{8}$  x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-45   | 102-45   | 104-45   |
| T2       | 4L      | 101-45   | 102-45   | 104-45   |
| T3       | 5R      | 101-39   | 102-39   | 104-39   |
| T4       | 2L      | 101-39   | 102-39   | 104-39   |
| T5       | 3R      | 101-36   | 102-36   | 104-36   |
| T6       | 6L      | 101-30   | 102-30   | 104-30   |
| B1       | 1L      | 101-54   | 102-54   | 104-54   |
| B2       | 4R      | 101-54   | 102-54   | 104-54   |
| B3       | 5L      | 101-48   | 102-48   | 104-48   |
| B4       | 2R      | 101-45   | 102-45   | 104-45   |
| B5       | 3L      | 101-42   | 102-42   | 104-42   |
| B6       | 6R      | 101-42   | 102-42   | 104-42   |
| Lead Set |         | 101-119  | 102-119  | 104-119  |

### Engine Model GO-480-C2D6, GO-480-C2

Bendix S6LN-20, S6LN-21 • Plug Nut  $\frac{5}{8}$  x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-45   | 102-45   | 104-45   |
| T2       | 4L      | 101-42   | 102-42   | 104-42   |
| T3       | 5R      | 101-36   | 102-36   | 104-36   |
| T4       | 2L      | 101-36   | 102-36   | 104-36   |
| T5       | 3R      | 101-27   | 102-27   | 104-27   |
| T6       | 6L      | 101-30   | 102-30   | 104-30   |
| B1       | 1L      | 101-69   | 102-69   | 104-69   |
| B2       | 4R      | 101-72   | 102-72   | 104-72   |
| B3       | 5L      | 101-63   | 102-63   | 104-63   |
| B4       | 2R      | 101-66   | 102-66   | 104-66   |
| B5       | 3L      | 101-54   | 102-54   | 104-54   |
| B6       | 6R      | 101-63   | 102-63   | 104-63   |
| Lead Set |         | 101-120  | 102-120  | 104-120  |

### Engine Model GSO-480-A1A-6

Bendix S6LN-20, S6LN-21 • Plug Nut  $\frac{5}{8}$  x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 4L      | 101-30   | 102-30   | 104-30   |
| T3       | 5R      | 101-27   | 102-27   | 104-27   |
| T4       | 2L      | 101-24   | 102-24   | 104-24   |
| T5       | 3R      | 101-24   | 102-24   | 104-24   |
| T6       | 6L      | 101-21   | 102-21   | 104-21   |
| B1       | 1L      | 101-63   | 102-63   | 104-63   |
| B2       | 4R      | 101-57   | 102-57   | 104-57   |
| B3       | 5L      | 101-57   | 102-57   | 104-57   |
| B4       | 2R      | 101-57   | 102-57   | 104-57   |
| B5       | 3L      | 101-60   | 102-60   | 104-60   |
| B6       | 6R      | 101-57   | 102-57   | 104-57   |
| Lead Set |         | 101-121  | 102-121  | 104-121  |

### Engine Model VO-435-A1B, -A1C, -A1D, GO-480-C1B, -C1B6, GSO-480-A1A, -A1A6

Bendix S6LN-20, S6RN-21 • Plug Nut  $\frac{5}{8}$  x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-33   | 102-33   | 104-33   |
| T2       | 4L      | 101-30   | 102-30   | 104-30   |
| T3       | 5R      | 101-24   | 102-24   | 104-24   |
| T4       | 2L      | 101-21   | 102-21   | 104-21   |
| T5       | 3R      | 101-21   | 102-21   | 104-21   |
| T6       | 6L      | 101-15   | 102-15   | 104-15   |
| B1       | 1L      | 101-66   | 102-66   | 104-66   |
| B2       | 4R      | 101-66   | 102-66   | 104-66   |
| B3       | 5L      | 101-57   | 102-57   | 104-57   |
| B4       | 2R      | 101-63   | 102-63   | 104-63   |
| B5       | 3L      | 101-57   | 102-57   | 104-57   |
| B6       | 6R      | 101-57   | 102-57   | 104-57   |
| Lead Set |         | 101-122  | 102-122  | 104-122  |

### Engine Model GO-435-C2, -C2B, GO-480-F6

Bendix S6LN-50, S6LN-51 • Plug Nut  $\frac{5}{8}$  x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-36   | 102-36   | 104-36   |
| T2       | 4L      | 101-36   | 102-36   | 104-36   |
| T3       | 5R      | 101-30   | 102-30   | 104-30   |
| T4       | 2L      | 101-30   | 102-30   | 104-30   |
| T5       | 3R      | 101-24   | 102-24   | 104-24   |
| T6       | 6L      | 101-27   | 102-27   | 104-27   |
| B1       | 1L      | 101-66   | 102-66   | 104-66   |
| B2       | 4R      | 101-69   | 102-69   | 104-69   |
| B3       | 5L      | 101-63   | 102-63   | 104-63   |
| B4       | 2R      | 101-66   | 102-66   | 104-66   |
| B5       | 3L      | 101-60   | 102-60   | 104-60   |
| B6       | 6R      | 101-66   | 102-66   | 104-66   |
| Lead Set |         | 101-123  | 102-123  | 104-123  |

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## Franklin Engines

### Engine Model 6A4-150-B3, -B31

Bendix S6RN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-42   | 102-42   | 104-42   |
| T2       | 4L      | 101-45   | 102-45   | 104-45   |
| T3       | 5R      | 101-45   | 102-45   | 104-45   |
| T4       | 2L      | 101-51   | 102-51   | 104-51   |
| T5       | 3R      | 101-48   | 102-48   | 104-48   |
| T6       | 6L      | 101-54   | 102-54   | 104-54   |
| B1       | 1L      | 101-36   | 102-36   | 104-36   |
| B2       | 4R      | 101-30   | 102-30   | 104-30   |
| B3       | 5L      | 101-45   | 102-45   | 104-45   |
| B4       | 2R      | 101-42   | 102-42   | 104-42   |
| B5       | 3L      | 101-51   | 102-51   | 104-51   |
| B6       | 6R      | 101-45   | 102-45   | 104-45   |
| Lead Set |         | 101-124  | 102-124  | 104-124  |

### Engine Model 6A4-165-B3

Bendix S6RN-21 • Plug Nut 5/8 x 24

| Cylinder | Magneto | 101 Lead | 102 Lead | 104 Lead |
|----------|---------|----------|----------|----------|
| T1       | 1R      | 101-36   | 102-36   | 104-36   |
| T2       | 4L      | 101-39   | 102-39   | 104-39   |
| T3       | 5R      | 101-39   | 102-39   | 104-39   |
| T4       | 2L      | 101-48   | 102-48   | 104-48   |
| T5       | 3R      | 101-42   | 102-42   | 104-42   |
| T6       | 6L      | 101-48   | 102-48   | 104-48   |
| B1       | 1L      | 101-30   | 102-30   | 104-30   |
| B2       | 4R      | 101-24   | 102-24   | 104-24   |
| B3       | 5L      | 101-42   | 102-42   | 104-42   |
| B4       | 2R      | 101-36   | 102-36   | 104-36   |
| B5       | 3L      | 101-45   | 102-45   | 104-45   |
| B6       | 6R      | 101-39   | 102-39   | 104-39   |
| Lead Set |         | 101-125  | 102-125  | 104-125  |

## Prices for Shielded Ignition Leads

|         |          |
|---------|----------|
| 101-15  | \$65.76  |
| 101-18  | \$65.76  |
| 101-21  | \$65.76  |
| 101-24  | \$91.12  |
| 101-27  | \$110.54 |
| 101-30  | \$110.65 |
| 101-33  | \$73.64  |
| 101-36  | \$75.49  |
| 101-39  | \$98.21  |
| 101-42  | \$101.40 |
| 101-45  | \$110.54 |
| 101-48  | \$98.19  |
| 101-51  | \$115.21 |
| 101-54  | \$103.40 |
| 101-57  | \$65.76  |
| 101-60  | \$70.44  |
| 101-61  | \$70.44  |
| 101-63  | \$70.44  |
| 101-69  | \$70.44  |
| 101-72  | \$90.56  |
| 101-105 | \$502.69 |
| 101-106 | \$502.69 |
| 101-107 | \$560.92 |
| 101-108 | \$716.18 |
| 101-109 | \$747.24 |
| 101-110 | \$747.24 |
| 101-111 | \$747.24 |
| 101-112 | \$747.24 |
| 101-113 | \$747.24 |
| 101-114 | \$502.69 |
| 101-115 | \$502.69 |

|         |          |
|---------|----------|
| 101-116 | \$502.69 |
| 101-117 | \$747.24 |
| 101-118 | \$747.24 |
| 101-119 | \$747.24 |
| 101-120 | \$696.78 |
| 101-121 | \$553.15 |
| 101-122 | \$630.79 |
| 101-123 | \$560.92 |
| 101-124 | \$747.24 |
| 101-125 | \$747.24 |
| 102-15  | \$83.01  |
| 102-18  | \$100.13 |
| 102-21  | \$80.88  |
| 102-24  | \$110.54 |
| 102-27  | \$112.72 |
| 102-30  | \$110.54 |
| 102-33  | \$66.84  |
| 102-36  | \$90.10  |
| 102-39  | \$101.22 |
| 102-42  | \$101.15 |
| 102-45  | \$66.84  |
| 102-48  | \$66.84  |
| 102-51  | \$66.84  |
| 102-54  | \$66.84  |
| 102-57  | \$66.84  |
| 102-60  | \$66.84  |
| 102-63  | \$66.84  |
| 102-65  | \$66.84  |
| 102-66  | \$66.84  |
| 102-69  | \$68.39  |
| 102-72  | \$66.84  |

|         |          |
|---------|----------|
| 102-105 | \$502.69 |
| 102-106 | \$502.69 |
| 102-107 | \$502.69 |
| 102-108 | \$774.41 |
| 102-109 | \$774.41 |
| 102-110 | \$774.41 |
| 102-111 | \$774.41 |
| 102-112 | \$774.41 |
| 102-113 | \$774.41 |
| 102-114 | \$502.69 |
| 102-115 | \$502.69 |
| 102-116 | \$502.69 |
| 102-117 | \$774.41 |
| 102-118 | \$774.41 |
| 102-119 | \$774.41 |
| 102-120 | \$774.41 |
| 102-121 | \$774.41 |
| 102-122 | \$774.41 |
| 102-123 | \$774.41 |
| 102-124 | \$774.41 |
| 102-125 | \$774.41 |
| 104-14  | \$65.76  |
| 104-15  | \$65.76  |
| 104-18  | \$65.76  |
| 104-19  | \$65.76  |
| 104-21  | \$85.08  |
| 104-22  | \$65.76  |
| 104-24  | \$100.12 |
| 104-25  | \$85.08  |
| 104-27  | \$100.32 |
| 104-28  | \$85.08  |
| 104-30  | \$115.06 |
| 104-33  | \$102.92 |
| 104-36  | \$112.63 |

|         |          |
|---------|----------|
| 104-39  | \$112.63 |
| 104-42  | \$81.08  |
| 104-45  | \$65.76  |
| 104-48  | \$65.76  |
| 104-51  | \$101.40 |
| 104-54  | \$88.33  |
| 104-57  | \$65.76  |
| 104-60  | \$65.76  |
| 104-63  | \$68.39  |
| 104-66  | \$65.76  |
| 104-69  | \$65.76  |
| 104-72  | \$99.94  |
| 104-105 | \$502.69 |
| 104-106 | \$502.69 |
| 104-107 | \$502.69 |
| 104-108 | \$747.24 |
| 104-109 | \$747.24 |
| 104-110 | \$747.24 |
| 104-111 | \$747.24 |
| 104-112 | \$679.30 |
| 104-113 | \$679.30 |
| 104-114 | \$502.69 |
| 104-115 | \$502.69 |
| 104-116 | \$462.72 |
| 104-117 | \$747.24 |
| 104-118 | \$747.24 |
| 104-119 | \$747.24 |
| 104-120 | \$774.41 |
| 104-121 | \$747.24 |
| 104-122 | \$747.24 |
| 104-123 | \$696.78 |
| 104-124 | \$747.24 |
| 104-125 | \$747.24 |

## Spark Plugs

Advanced-engineered Champion aviation spark plugs are designed for the critical difference in performance, far beyond the ordinary. They stand up to high temperatures, pressures, and lead deposits, with a performance second to none.

- All spark plugs below are shielded unless otherwise noted
- An application guide listing exact engine application can be downloaded from our website
- For spark plugs not listed below, please call for price and availability

| Spark Plug                      | Engine           | Part #        | Price           |
|---------------------------------|------------------|---------------|-----------------|
| Unshielded, Male .....          | C, L, P .....    | M41E .....    | <b>\$77.81</b>  |
| 5/8"-24, Standard Massive ..... | C, F .....       | REJ38 .....   | <b>\$110.15</b> |
| 5/8"-24, Standard Massive ..... | F .....          | REL37B .....  | <b>\$81.43</b>  |
| 5/8"-24, Standard Massive ..... | C, L, P .....    | REM37BY ..... | <b>\$61.00</b>  |
| 5/8"-24, Standard Massive ..... | C, L .....       | REM38E .....  | <b>\$53.43</b>  |
| 5/8"-24, Fine Wire .....        | C, L, P .....    | REM38S .....  | <b>\$211.10</b> |
| 5/8"-24, Standard Massive ..... | C, L, P .....    | REM40E .....  | <b>\$58.83</b>  |
| 3/4"-20, Standard Massive ..... | C, F, L, P ..... | RHB32E .....  | <b>\$62.17</b>  |
| 3/4"-20, Fine Wire .....        | C, F, L, P ..... | RHB36S .....  | <b>\$153.24</b> |
| 3/4"-20, Standard Massive ..... | C, F, L, P ..... | RHB37E .....  | <b>\$57.95</b>  |
| 3/4"-20, Standard Massive ..... | C, L .....       | RHM38E .....  | <b>\$48.09</b>  |
| 3/4"-20, Fine Wire .....        | C, L, P .....    | RHM38S .....  | <b>\$153.24</b> |
| 3/4"-20, Standard Massive ..... | C, L, P .....    | RHM40E .....  | <b>\$48.09</b>  |

**Engine Key:**

C = Continental F = Franklin L = Lycoming P = Pratt & Whitney

## Throttle Controls

**A-700 Button Lock Dash Control with Solid Wire End**

|                              |                    |                 |
|------------------------------|--------------------|-----------------|
| 40" Length, Black Knob ..... | A700-10-0400 ..... | <b>\$70.59</b>  |
| 44" Length, Black Knob ..... | A700-10-0440 ..... | <b>\$75.43</b>  |
| 48" Length, Black Knob ..... | A700-10-0480 ..... | <b>\$70.59</b>  |
| 60" Length, Black Knob ..... | A700-10-0600 ..... | <b>\$115.99</b> |
| 72" Length, Black Knob ..... | A700-10-0720 ..... | <b>\$102.48</b> |
| 40" Length, Red Knob .....   | A700-20-0400 ..... | <b>\$150.22</b> |
| 60" Length, Red Knob .....   | A700-20-0600 ..... | <b>\$99.00</b>  |
| 72" Length, Red Knob .....   | A700-20-0720 ..... | <b>\$102.48</b> |
| 108" Length, Red Knob .....  | A700-20-1080 ..... | <b>\$132.30</b> |

**A-730 Push-Pull Control with Solid Wire End**

|                               |                    |                 |
|-------------------------------|--------------------|-----------------|
| 60" Length, Black Knob .....  | A730-10-0600 ..... | <b>\$69.00</b>  |
| 72" Length, Black Knob .....  | A730-10-0720 ..... | <b>\$70.70</b>  |
| 90" Length, Black Knob .....  | A730-10-0900 ..... | <b>\$78.05</b>  |
| 126" Length, Black Knob ..... | A730-10-1260 ..... | <b>\$108.36</b> |
| 144" Length, Black Knob ..... | A730-10-1440 ..... | <b>\$83.96</b>  |
| 60" Length, Red Knob .....    | A730-20-0600 ..... | <b>\$68.99</b>  |

**A-740 Ratchet Control with Solid Wire End**

|                              |                    |                |
|------------------------------|--------------------|----------------|
| 60" Length, Black Knob ..... | A740-10-0600 ..... | <b>\$71.17</b> |
|------------------------------|--------------------|----------------|

|                              |                    |                |
|------------------------------|--------------------|----------------|
| 72" Length, Black Knob ..... | A740-10-0720 ..... | <b>\$84.77</b> |
| 60" Length, Red Knob .....   | A740-20-0600 ..... | <b>\$71.17</b> |
| 72" Length, Red Knob .....   | A740-20-0720 ..... | <b>\$72.94</b> |

**A-750 Vernier Control with 10-32 Threaded End**

|                                 |                    |                 |
|---------------------------------|--------------------|-----------------|
| 29" Length, Black Knob .....    | A750-10-0290 ..... | <b>\$105.98</b> |
| 33" Length, Black Knob .....    | A750-10-0330 ..... | <b>\$100.09</b> |
| 44" Length, Black Knob .....    | A750-10-0440 ..... | <b>\$168.07</b> |
| 48" Length, Black Knob .....    | A750-10-0480 ..... | <b>\$113.21</b> |
| 52.75" Length, Black Knob ..... | A750-10-0526 ..... | <b>\$182.45</b> |
| 53" Length, Black Knob .....    | A750-10-0530 ..... | <b>\$103.98</b> |
| 60" Length, Black Knob .....    | A750-10-0600 ..... | <b>\$117.94</b> |
| 72" Length, Black Knob .....    | A750-10-0720 ..... | <b>\$105.95</b> |
| 132" Length, Black Knob .....   | A750-10-1320 ..... | <b>\$130.75</b> |
| 144" Length, Black Knob .....   | A750-10-1440 ..... | <b>\$172.76</b> |
| 42" Length, Red Knob .....      | A750-20-0420 ..... | <b>\$189.49</b> |
| 48" Length, Red Knob .....      | A750-20-0480 ..... | <b>\$113.21</b> |
| 53" Length, Red Knob .....      | A750-20-0530 ..... | <b>\$175.66</b> |
| 60" Length, Red Knob .....      | A750-20-0600 ..... | <b>\$117.94</b> |
| 72" Length, Red Knob .....      | A750-20-0720 ..... | <b>\$122.67</b> |
| 28.75" Length, Blue Knob .....  | A750-30-0287 ..... | <b>\$149.34</b> |
| 48" Length, Blue Knob .....     | A750-30-0480 ..... | <b>\$113.21</b> |
| 60" Length, Blue Knob .....     | A750-30-0600 ..... | <b>\$138.60</b> |
| 71" Length, Blue Knob .....     | A750-30-0710 ..... | <b>\$105.95</b> |
| 216" Length, Blue Knob .....    | A750-30-2160 ..... | <b>\$258.09</b> |

**A-790 Vernier Control with Solid Wire End**

|                              |                    |                 |
|------------------------------|--------------------|-----------------|
| 60" Length, Black Knob ..... | A790-10-0600 ..... | <b>\$121.09</b> |
| 72" Length, Black Knob ..... | A790-10-0720 ..... | <b>\$93.13</b>  |
| 48" Length, Red Knob .....   | A790-20-0480 ..... | <b>\$137.13</b> |
| 60" Length, Red Knob .....   | A790-20-0600 ..... | <b>\$121.09</b> |
| 72" Length, Red Knob .....   | A790-20-0720 ..... | <b>\$147.91</b> |

**A-800 Friction Lock Control with 10-32 Threaded End**

|                                  |                    |                 |
|----------------------------------|--------------------|-----------------|
| 33" Length, Black Knob .....     | A800-10-0330 ..... | <b>\$101.53</b> |
| 36" Length, Black Knob .....     | A800-10-0360 ..... | <b>\$125.40</b> |
| 37.375" Length, Black Knob ..... | A800-10-0373 ..... | <b>\$114.79</b> |
| 42" Length, Black Knob .....     | A800-10-0420 ..... | <b>\$110.17</b> |
| 44" Length, Black Knob .....     | A800-10-0440 ..... | <b>\$109.76</b> |
| 48" Length, Black Knob .....     | A800-10-0480 ..... | <b>\$152.46</b> |
| 52.6" Length, Black Knob .....   | A800-10-0526 ..... | <b>\$103.32</b> |
| 60" Length, Black Knob .....     | A800-10-0600 ..... | <b>\$143.22</b> |
| 72" Length, Black Knob .....     | A800-10-0720 ..... | <b>\$162.05</b> |
| 48" Length, Red Knob .....       | A800-20-0480 ..... | <b>\$93.74</b>  |

**A-920 Push-Pull Controls for Quadrants**

|                           |                 |                 |
|---------------------------|-----------------|-----------------|
| 53" Length, No Knob ..... | A920-0530 ..... | <b>\$169.70</b> |
| 72" Length, No Knob ..... | A920-0720 ..... | <b>\$127.89</b> |
| 80" Length, No Knob ..... | A920-0800 ..... | <b>\$169.70</b> |

**A-970 Vernier Control with 1/4-28 Threaded End**

|                              |                    |                 |
|------------------------------|--------------------|-----------------|
| 36" Length, Black Knob ..... | A970-10-0360 ..... | <b>\$110.08</b> |
| 40" Length, Black Knob ..... | A970-10-0400 ..... | <b>\$112.46</b> |
| 48" Length, Black Knob ..... | A970-10-0480 ..... | <b>\$125.18</b> |
| 60" Length, Black Knob ..... | A970-10-0600 ..... | <b>\$114.03</b> |
| 72" Length, Black Knob ..... | A970-10-0720 ..... | <b>\$158.76</b> |
| 90" Length, Black Knob ..... | A970-10-0900 ..... | <b>\$111.03</b> |