

Specifications - 2 and 4

General

2

4

| | | |
|-------------------------------------|---|--|
| Full Throttle Operating Range | 4000 - 5000 rpm | 4500 - 5500 rpm |
| Idle rpm in Forward Gear | 650 rpm | 600 rpm |
| Test Wheel and rpm | Part No. 316021 (4-9/16" dia. x 5/8" wide) 3900 rpm | Part No. 317738 (5-1/4" dia. x 11/16" wide) 4550 rpm |

Powerhead

| | | |
|--------------------------------|--|--|
| Bore and Stroke | 39,8 mm x 34,9 mm (1.567" Bore x 1.374" Stroke) | 39,7 mm x 34,9 mm (1.565" Bore x 1.374" Stroke) |
| Piston Displacement | 43 cm ³ (2.64 cu. in.) | 87 cm ³ (5.28 cu. in.) |
| Width of Ring | 1,588 - 1,562 mm (0.0625" - 0.615") | 1,588 - 1,562 mm (0.0625" - 0.615") |
| Crankshaft Size | | |
| Top Journal | 19,055 - 19,042 mm (0.7502" - 0.7497") | 19,075 - 19,063 mm (0.7510" - 0.7506") |
| Center Journal | 16,993 - 16,980 mm (0.6690" - 0.6685") | |
| Bottom Journal | 19,055 - 19,042 mm (0.7502" - 0.7497") | 19,055 - 19,045 mm (0.7502" - 0.7498") |
| Connecting Rod Crank Pin | 17,018 - 17,005 mm (0.6700" - 0.6695") | 17,018 - 17,005 mm (0.6700" - 0.6695") |
| +Standard Bore Size | 39,815 - 39,797 mm (1.5675" - 1.5668") | 39,751 - 39,733 mm (1.5650" - 1.5643") |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | | |
|-------------------------|------------------------------------|------------------------------------|
| Ignition | Flywheel magneto | Flywheel magneto |
| Spark Plug | | |
| Champion | J6J or RJ6J - 14 mm | L86 or RL86 - 14 mm |
| Spark Plug Gap | 0,76 mm (0.030") | 0,76 mm (0.030") |
| Breaker Point Gap | 0,51 mm (0.020") | 0,51 mm (0.020") |
| Condenser | Part No. 580321 - 0.18 - 0.22 Mfd. | Part No. 580321 - 0.18 - 0.22 Mfd. |
| Ignition Coil | Part No. 582995 | Part No. 582995 |

Ignition Coil Test Specifications

Part No. 582995

Stevens Tester Model ST-75

| | |
|--|-----|
| Normal Polarity (Switch Setting Standard) | 1.8 |
|--|-----|

Stevens Tester Model No. M.A. - 75 or 80

| | |
|--------|------------------|
| Switch | Index Adjustment |
| B | 26 |

Merc-O-Tronic

| Operating Amperage | Primary Resistance | | Secondary Continuity | | Secondary Resistance | |
|--------------------|--------------------|------|----------------------|------|----------------------|------|
| | Min. | Max. | Min. | Max. | Min. | Max. |
| 1.3 | 0.7 | 1.1 | 50 | 60 | 6500 | 9000 |

Graham Tester Model 51

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|-------------------|-----------------|------------|-------------------|----------------|
| Maximum Secondary | Maximum Primary | Coil Index | Minimum Coil Test | Max. Gap Index |
| 10,000 | 1.4 | 60 | 25 | 60 |

Coil Ohmmeter Test

| | |
|-----------------------------|--------------|
| Primary (Low Ohms) | 0.9 Ω ± 0.2 |
| Secondary (High Ohms) | 8000 Ω ± 300 |

Specifications - 4 Deluxe thru 8

General

4 Deluxe and 4.5

5, 6 and 8

| | | |
|-------------------------------------|--|--|
| Full Throttle Operating Range | 4500 - 5500 rpm | 5 and 6 - 4500 - 5500 rpm 8 - 5000 - 6000 rpm |
| Idle rpm in Forward Gear | 600 rpm | 650 rpm |
| Test Wheel and rpm | Part No. 390123 (5-3/4" dia. x 5/8" wide) 5100 rpm | Part No. 390239 (5-3/4" dia. x 1-1/8" wide) 4900 rpm |

Powerhead

| | | |
|--------------------------------|---|---|
| Bore and Stroke | 39,69 mm x 34,93 mm (1.5625" Bore x 1.375" Stroke) | 49,21 mm x 43,18 mm (1.9375" Bore x 1.700" Stroke) |
| Piston Displacement | 87 cm ³ (5.28 cu. in.) | 164 cm ³ (10.0 cu. in.) |
| Width of Ring | 1,588 - 1,562 mm (0.0625" - 0.0615") | 1,588 - 1,562 mm (0.0625" - 0.0615") |
| Crankshaft Size | | |
| Top Journal | 19,075 - 19,063 mm (0.7510" - 0.7505") | 22,282 - 22,155 mm (0.87725" - 0.87225") |
| Center Journal | 16,993 - 16,980 mm (0.6690" - 0.6685") | 20,712 - 20,585 mm (0.81545" - 0.8104") |
| Bottom Journal | 19,055 - 19,045 mm (0.7502" - 0.7498") | 19,207 - 19,045 mm (0.7562" - 0.7498") |
| Connecting Rod Crank Pin | 17,018 - 17,005 mm (0.6700" - 0.6695") | 17,018 - 17,005 mm (0.6700" - 0.6695") |
| +Standard Bore Size | 39,751 - 39,733 mm (1.5650" - 1.5643") | 49,225 - 49,207 mm (1.9380" - 1.9373") |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | | |
|-----------------------------|------------------------------------|------------------------------------|
| Ignition | Flywheel magneto, breakerless C.D. | Flywheel magneto, breakerless C.D. |
| Spark Plug | | |
| Champion | L77J4 or QL77J4 - 14 mm | L77J4 or QL77J4 - 14 mm |
| Spark Plug Gap | 1,0 mm (0.040") | 1,0 mm (0.040") |
| Ignition Coil | Part No. 582508 | Part No. 582508 |
| RPM Limiter Powerpack | | 6200 rpm |

Electrical System

Alternator System

| | |
|----------------------|---------------------------|
| Electric Start | 4 amp flywheel alternator |
| Manual Start | 60 watt AC at 12 V |

Ignition Coil Test Specifications - Part No. 582508

| | | |
|---|---|---|
| Stevens Model ST-75 | Primary Resistance | 0.1 |
| Maximum Specified Amperage (Reverse Polarity - Switch Setting: CD) | Secondary Continuity | 5 approx. |
| Stevens Tester Model M.A.-75 or M.A.-80 | | |
| Switch | A (Use Model CD-1 Adapter - Reverse Polarity) | |
| Index Adjustment | 20 | |
| Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980 | | |
| Maximum Specified Amperage (Reverse Polarity) | 1.0 Amps | |
| | Graham Tester Model 51 | |
| | Maximum Secondary | 400 ohms |
| | Maximum Primary | 0.4 ohm |
| | Primary Continuity, Point Test Scale | 0.1 ohm max. |
| | Coil Index | 50 |
| | Coil Test Minimum AMPLIFIED | 26 |
| | (With secondary circuit "open") Hi tension lead disconnected | |
| | Gap Index | 50 (Coil must fire spark gap on tester at this setting) |

| Ignition Component Tests - 4 Deluxe thru 8 | | | | | | |
|--|-----------------|--------------|-----------------|---------|---------------|---------|
| | Resistance | | Ground Test | | Output | |
| | Meter Setting | Reading | Meter Setting | Reading | Meter Setting | Reading |
| Charge coil | High ohms scale | 575 ± 75 Ω | High ohms scale | ∞ | (-), 500 | 230 |
| Sensor coil | Low ohms scale | 40 ± 10 Ω | Low ohms scale | ∞ | S, 5 | 0,3 |
| Power pack | | | | | (-), 500 | 180 |
| Ignition coil primary | Low ohms scale | 0,1 ± 0,05 Ω | | | | |
| Secondary | High ohms scale | 275 ± 50 Ω | | | | |

Specifications - 9.9 and 15

General

9.9 and 15

| | |
|-------------------------------------|---|
| Full Throttle Operating Range | 9.9-5000 - 6000 rpm 15-5500 - 7000 rpm |
| Idle rpm in Forward Gear | 650 rpm |
| Test Wheel and rpm | Part No. 386537 (7" dia. x 1" wide) 9.9-5500 rpm 15-6200 rpm |

Powerhead

| | |
|-------------------------------|---|
| Bore and Stroke | 55,58 mm x 44,70 mm (2.188" Bore x 1.760" Stroke) |
| Piston Displacement | 216 cm ³ (13.20 cu. in.) |
| Width of Ring | |
| Upper | 1,788 - 1,765 mm (0.0700" - 0.0695") |
| Lower | 1,562 - 1,588 mm (0.0615" - 0.0625") |
| Crankshaft Size | |
| Top Journal | 22,255 - 22,243 mm (0.8762" - 0.8757") |
| Center Journal | 20,638 - 20,625 mm (0.8125" - 0.8120") |
| Bottom Journal | 20,638 - 20,625 mm (0.8125" - 0.8120") |
| Connecting Rod Crankpin | 19,200 - 19,990 mm (0.7874" - 0.7870") |
| +Standard Bore Size | 55,582 - 55,562 mm (2.1883" - 2.1875") |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | |
|----------------------|------------------------------------|
| Ignition | Flywheel magneto, breakerless C.D. |
| Spark Plug | |
| Champion | L77J4 or QL77J4 |
| Spark Plug Gap | 1,0 mm (0.040") |
| Ignition Coil | Part No. 582508 |

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Ignition Coil Test Specifications - Part No. 582508

| | |
|--|--|
| <p style="text-align: center;">Stevens Model ST-75</p> <p>Maximum Specified Amperage (Reverse Polarity - Switch Setting: CD) 1.1 Amps</p> <p style="text-align: center;">Stevens Tester Model M.A.-75 or M.A.-80</p> <p>Switch A (Use Model CD-1 Adapter - Reverse Polarity)</p> <p>Index Adjustment 20</p> <p style="text-align: center;">Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980</p> <p>Maximum Specified Amperage (Reverse Polarity) 1.0 Amps</p> | <p>Primary Resistance 0.1</p> <p>Secondary Continuity 5 approx.</p> <p style="text-align: center;">Graham Tester Model 51</p> <p>Maximum Secondary 400 ohms</p> <p>Maximum Primary 0.4 ohm</p> <p>Primary Continuity, Point Test Scale 0.1 ohm max.</p> <p>Coil Index 50</p> <p>Coil Test Minimum AMPLIFIED 26 (With secondary circuit "open") Hi tension lead disconnected</p> <p>Gap Index 50 (Coil must fire spark gap on tester at this setting)</p> |
|--|--|

| Ignition Component Tests - 9.9 and 15 | | | | | | |
|---------------------------------------|-----------------|--------------|-----------------|---------|---------------|---------|
| | Resistance | | Ground Test | | Output | |
| | Meter Setting | Reading | Meter Setting | Reading | Meter Setting | Reading |
| Charge coil | High ohms scale | 575 ± 75 Ω | High ohms scale | ∞ | (-), 500 | 230 |
| Sensor coil | Low ohms scale | 40 ± 10 Ω | Low ohms scale | ∞ | S, 5 | 0,3 |
| Power pack | | | | | (-), 500 | 180 |
| Ignition coil primary | Low ohms scale | 0,1 ± 0,05 Ω | | | | |
| Secondary | High ohms scale | 275 ± 50 Ω | | | | |

Specifications - 20 thru 30

General

20 thru 30

| | |
|-------------------------------------|-----------------------------|
| Full Throttle Operating Range | 4500 - 5500 rpm |
| Idle rpm in Forward Gear | 650 rpm |
| Test Wheel and rpm | 20 - Part No. 386891 |
| | 25 and 30 - Part No. 394145 |
| | 20 - 4550 min. rpm |
| | 25 - 4800 min. rpm |
| | 30 - 5400 min. rpm |

Powerhead

| | |
|-------------------------------|--|
| Bore and Stroke | 76,20 mm x 57,15 mm (3.000" Bore x 2.250" Stroke) |
| Piston Displacement | 521 cm ³ (31.8 cu. in.) |
| Width of Ring | |
| Upper | 2,286 - 2,273 mm (0.0900" - 0.0895") |
| Lower | 1,588 - 1,562 mm (0.0625" - 0.0615") |
| Crankshaft Size | |
| Top Journal | 31,775 - 31,788 mm (1.2510" - 1.2515") |
| Center Journal | 30,056 - 30,069 mm (1.1833" - 1.1838") |
| Bottom Journal | 24,999 - 25,009 mm (0.9842" - 0.9846") |
| Connecting Rod Crankpin | 30,043 - 30,030 mm (1.1828" - 1.1823") |
| +Standard Bore Size | 76,213 - 76,187 mm (3.0005" - 2.9995") |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | |
|----------------------|------------------------------------|
| Ignition | Flywheel magneto, breakerless C.D. |
| Spark Plug | |
| Champion | L77J4 or QL77J4 |
| Spark Plug Gap | 1,0 mm (0.040") |
| Ignition Coil | Part No. 582508 |

Ignition Coil Test Specifications - Part No. 582508

| | | | |
|---|---|--|--|
| Stevens Model ST-75 | | Primary Resistance | 0.1 |
| Maximum Specified Amperage (Reverse Polarity - Switch Setting: CD) | 1.1 Amps | Secondary Continuity | 5 approx. |
| Stevens Tester Model M.A.-75 or M.A.-80 | | Graham Tester Model 51 | |
| Switch | A (Use Model CD-1 Adapter - Reverse Polarity) | Maximum Secondary | 400 ohms |
| Index Adjustment | 20 | Maximum Primary | 0.4 ohm |
| Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980 | | Primary Continuity, Point Test Scale | 0.1 ohm max. |
| Maximum Specified Amperage (Reverse Polarity) | 1.0 Amps | Coil Index | 50 |
| | | Coil Test Minimum AMPLIFIED | 26 |
| | | (With secondary circuit "open") | |
| | | Hi tension lead disconnected | |
| | | Gap Index | 50 (Coil must fire spark gap on tester at this setting) |

Specifications - 40 thru 75

| General | 40, 50 and 60 | 70 and 75 |
|-------------------------------|--|--|
| Full Throttle Operating Range | 40 and 50 - 4500 - 5500 60 - 5000 - 6000 | 70 - 4500 - 5500 75 - 5200 - 5800 |
| Idle rpm in Forward Gear | 750 rpm | 750 rpm |
| Test Wheel and rpm | Part No. 387635 40 Rope-Part No. 382861 40 Rope-5200 rpm 40 and 50 Electric Start - 4900 rpm 60 - 5600 rpm | Standard-Part No. 386950 (10" dia. x 2-5/16" wide) Long shaft-Part No. 386665 (11-3/16" dia. x 1-27/32" wide) 70 - 5000 rpm 75 - 5200 rpm |

Powerhead

| | | |
|-------------------------|---|---|
| Bore and Stroke | 80,96 mm x 71,63 mm (3.1875" Bore x 2.820" Stroke) | 76,20 mm x 59,53 mm (3.000" Bore x 2.3437" Stroke) |
| Piston Displacement | 737 cm ³ (45 cu. in.) | 814 cm ³ (49.7 cu. in.) |
| Width of Ring | | |
| Upper | 2,286 - 2,273 mm (0.0900" - 0.0895") | 2,286 - 2,273 mm (0.0900" - 0.0895") |
| Lower | 1,588 - 1,562 mm (0.0625" - 0.0615") | 1,588 - 1,562 mm (0.0625" - 0.0615") |
| Crankshaft Size | | |
| Top Journal | 38,047 - 38,034 mm (1.4979" - 1.4974") | 38,047 - 38,034 mm (1.4979" - 1.4974") |
| Center Journal | 34,930 - 34,920 mm (1.3752" - 1.3748") | 34,930 - 34,920 mm (1.3752" - 1.3748") |
| Bottom Journal | 30,110 - 29,997 mm (1.1815" - 1.1810") | 30,110 - 29,997 mm (1.1815" - 1.1810") |
| Connecting Rod Crankpin | 30,043 - 30,030 mm (1.1828" - 1.1823") | 30,043 - 30,030 mm (1.1828" - 1.1823") |
| +Standard Bore Size | 80,975 - 80,950 mm (3.1880" - 3.1870") | 76,213 - 76,187 mm (2.9995 - 3.0005") |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | | |
|----------------|---------------------------------------|---------------------------------------|
| Ignition | Flywheel magneto, breakerless C.D. | Flywheel magneto, breakerless C.D. |
| Spark Plug | | |
| Champion | L77J4 or QL77J4 | L77J4 or QL77J4 |
| Spark Plug Gap | 1,0 mm (0.040") | 1,0 mm (0.040") |
| Ignition Coil | Part No. 582508 | Part No. 582508 |

Ignition Coil Test Specifications - Part No. 582508

| | | |
|--|--------------------------------------|---|
| Stevens Model ST-75 | Primary Resistance | 0.1 |
| Maximum Specified Amperage (Reverse Polarity - Switch Setting: CD) 1.1 Amps | Secondary Continuity | 5 approx. |
| Stevens Tester Model M.A.-75 or M.A.-80 | Graham Tester Model 51 | |
| Switch A (Use Model CD-1 Adapter - Reverse Polarity) | Maximum Secondary | 400 ohms |
| Index Adjustment 20 | Maximum Primary | 0.4 ohm |
| Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980 | Primary Continuity, Point Test Scale | 0.1 ohm max. |
| Maximum Specified Amperage (Reverse Polarity) 1.0 Amps | Coil Index | 50 |
| | Coil Test Minimum AMPLIFIED | 26 (With secondary circuit "open") Hi tension lead disconnected |
| | Gap Index | 50 (Coil must fire spark gap on tester at this setting) |

Ignition Component Tests - 40, 50 and 60 Models

| | Resistance | | Ground Test | | Output (Cranking) | |
|-----------------------|-----------------|--------------|-----------------|---------|-------------------|---------|
| | Meter Setting | Reading | Meter Setting | Reading | Meter Setting | Reading |
| Charge coil | High ohms scale | 575 ± 75 Ω | High ohms scale | ∞ | (-), 500 | 230 |
| Sensor coil | Low ohms scale | 40 ± 10 Ω | High ohms scale | ∞ | S, 5 | 0,3 |
| Power pack | | | | | (-), 500 | 180 |
| Ignition coil primary | Low ohms scale | 0,1 ± 0,05 Ω | | | | |
| Secondary | High ohms scale | 275 ± 50 Ω | | | | |

Specifications 90 and V-6

General

90

V-6

| | | |
|-------------------------------------|---|--|
| Full Throttle Operating Range | 4500 - 5500 rpm | 150 - 4500 - 5500 rpm 185 and 235 - 4750 - 5750 rpm 2.6 Models - 5000 - 6000 rpm |
| Idle rpm in Forward Gear | 650 rpm | 650 rpm |
| Test Wheel and rpm | Part No. 382861 (10" dia. x 2" wide) | Part No. 387388 (11-1/8" dia. x 2-1/4" wide) 150 - 4500 - 5500 rpm 185, 235 and 2.6 - 4800 - 5800 rpm |

Powerhead

| | | | |
|-------------------------------|--|---|---|
| Bore and Stroke | 88,90 mm x 65,74 mm | 150 and 185 - 88,90 mm x 65,74 mm (3.500" Bore x 2.588" Stroke) | (3.500" Bore x 2.588" Stroke) 235 and 2.6 Models - 92,07 mm x 65,74 mm (3.6250" Bore x 2.588" Stroke) |
| Piston Displacement | 1632 cm ³ (99.6 cu. in.) | 150 and 185 - 2448 cm ³ (149.4 cu. in.) 235 and 2.6 Models - 2627 cm ³ (160.3 cu. in.) | |
| Width of Ring | | | |
| Upper | 2,273 - 2,286 mm (0.0895" - 0.0900") | 2,273 - 2,286 mm (0.0895" - 0.0900") | |
| Lower | 1,562 - 1,588 mm (0.0615" - 0.0625") | 1,562 - 1,588 mm (0.0615" - 0.0625") | |
| Crankshaft Size | | | |
| Top Journal | 41,158 - 41,145 mm (1.6204" - 1.6199") | 41,158 - 41,145 mm (1.6204" - 1.6199") | |
| Center Journal(s) | 55,563 - 55,550 mm (2.1875" - 2.1870") | 55,563 - 55,550 mm (2.1875" - 2.1870") | |
| Bottom Journal | 35,011 - 34,999 mm (1.3784" - 1.3779") | 35,011 - 34,999 mm (1.3784" - 1.3779") | |
| Connecting Rod Crankpin | 34,955 - 34,943 mm (1.3762" - 1.3757") | 34,955 - 34,943 mm (1.3762" - 1.3757") | |
| +Standard Bore Size | 88,887 - 88,913 mm (3.4995" - 3.5005") | 150 and 185 - 88,887 - 88,913 mm (3.4995" - 3.5005") 235 and 2.6 Models 92,062 - 92,087 mm (3.6255" - 3.6245") | |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | | |
|-----------------------------|---|---|
| Ignition | Flywheel magneto, breakerless C.D. | Flywheel magneto, breakerless C.D. |
| Spark Plug | | |
| Champion | QL77J4 or L77J4 | UL77V or QUL77V |
| Spark Plug Gap | | 1,0 mm (0.040") |
| Ignition Coil | Part No. 582508 | Part No. 582508 |
| RPM Limiter Powerpack | | 150, 185 and 235 - 5800 rpm 2.6 - 6200 rpm |

Ignition Coil Test Specifications - Part No. 582508

| | | |
|---|--|---|
| Stevens Model ST-75 | Primary Resistance | 0.1 |
| Maximum Specified Amperage (Reverse Polarity - Switch Setting: CD) | Secondary Continuity | 5 approx. |
| Stevens Tester Model M.A.-75 or M.A.-80 | | |
| Switch | Graham Tester Model 51 | |
| A (Use Model CD-1 Adapter - Reverse Polarity) | Maximum Secondary | 400 ohms |
| Index Adjustment | Maximum Primary | 0.4 ohm |
| 20 | Primary Continuity, Point Test Scale | 0.1 ohm max. |
| Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980 | Coil Index | 50 |
| Maximum Specified Amperage (Reverse Polarity) | Coil Test Minimum AMPLIFIED | 26 (With secondary circuit "open") Hi tension lead disconnected |
| 1.0 Amps | Gap Index | 50 (Coil must fire spark gap on tester at this setting) |

Ignition Component Tests - 90

| | Resistance | | Ground Test | | Output (Cranking) | |
|-----------------------|-----------------|--------------|-----------------|---------|-------------------|---------|
| | Meter Setting | Reading | Meter Setting | Reading | Meter Setting | Reading |
| Charge coil | High ohms scale | 560 ± 75 Ω | High ohms scale | ∞ | (-), 500 | 160 |
| Sensor coil | Low ohms scale | 40 ± 10 Ω | Low ohms scale | ∞ | S, 5 | 0,3 |
| Power pack | — | — | — | — | (-), 500 | 160 |
| Ignition coil primary | Low ohms scale | 0,1 ± 0,05 Ω | | | | |
| Secondary | High ohms scale | 275 ± 50 Ω | | | | |

Specifications - 120 and 140

General

120 and 140

| | |
|--|---|
| Full Throttle Operating Range | 5000 - 6000 rpm |
| Idle rpm in Forward Gear with Proper Propeller | 600 - 700 rpm |
| Test Wheel and rpm | Part No. 387388 120 - 5000 - 5500 rpm 140 - 5300 - 5800 rpm |

Powerhead

| | |
|-------------------------------|--|
| Bore and Stroke | 88,90 mm x 72,6 mm (3.500" Bore x 2.860" Stroke) |
| Piston Displacement | 1800 cm ³ (110 cu. in.) |
| Width of Ring | |
| Upper | 2,273 - 2,286 mm (0.0895" - 0.0900") |
| Lower | 1,562 - 1,588 mm (0.0615" - 0.0625") |
| Crankshaft Size | |
| Top Journal | 41,158 - 41,145 mm (1.6204" - 1.6199") |
| Center Journal | 55,563 - 55,550 mm (2.1875" - 2.1870") |
| Bottom Journal | 39,997 - 40,010 mm (1.5747" - 1.5752") |
| Connecting Rod Crankpin | 38,087 - 38,100 mm (1.4995" - 1.5000") |
| +Standard Bore Size | 88,887 - 88,913 mm (3.4995" - 3.5005") |

+To determine correct bore size for oversize pistons, merely add oversize dimension to standard bore size.

Ignition System

| | |
|--------------------------------------|------------------------------------|
| Ignition | Flywheel magneto, breakerless C.D. |
| Spark Plug (Champion) | |
| Sustained Low Speed Operation | QL77J4 |
| Alternate | L77J4 |
| Gap Setting | 1,0 mm (0.040") |
| Sustained High Speed Operation | QL78V |
| Alternate | L78V |
| Gap Setting | Gap Is Permanent |
| Ignition Coil | Part No. 582508 |
| RPM Limiter Powerpack | 6100 rpm |

Ignition Coil Test Specifications - Part No. 582508

| | | |
|---|---|--|
| Stevens Model ST-75 | Primary Resistance | 0.1 |
| Maximum Specified Amperage (Reverse Polarity - Switch Setting: CD) | Secondary Continuity | 5 approx. |
| Stevens Tester Model M.A.-75 or M.A.-80 | Graham Tester Model 51 | |
| Switch | Maximum Secondary | 400 ohms |
| A (Use Model CD-1 Adapter - Reverse Polarity) | Maximum Primary | 0.4 ohm |
| Index Adjustment | Primary Continuity, Point Test Scale | 0.1 ohm max. |
| 20 | Coil Index | 50 |
| Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980 | Coil Test Minimum AMPLIFIED | 26 |
| Maximum Specified Amperage (Reverse Polarity) | (With secondary circuit "open") Hi tension lead disconnected | |
| 1.0 Amps | Gap Index | 50 (Coil must fire spark gap on tester at this setting) |

| Ignition Component Tests - 120 and 140 | | | | | | |
|--|-----------------|--------------|-----------------|---------|-------------------|---------|
| | Resistance | | Ground Test | | Output (Cranking) | |
| | Meter Setting | Reading | Meter Setting | Reading | Meter Setting | Reading |
| Charge Coil | High ohms scale | 600 ± 100 Ω | High ohms scale | ∞ | (-), 500 | 210 |
| Sensor coil | Low ohms scale | 40 ± 10 Ω | Low ohms scale | ∞ | S, 5 | 0,2 |
| Power pack | — | — | — | — | (-), 500 | 240 |
| Ignition coil primary | Low ohms scale | 0,1 ± 0,05 Ω | | | | |
| Secondary | High ohms scale | 275 ± 50 Ω | | | | |