

MerCruiser 3.0 Litre Alpha One thru 502 Magnum Bravo One, Two, & Three (Gasoline models)

| <u>Remote Controls</u> | <u>Part Number</u> | <u>Page</u> |
|---|--------------------|-------------|
| Panel Mount - (trim) - Commander 3000 Classic Series | 827270A43 | 433 |
| - MPC 4000 Series (Gen II) - Pistol grip | 883709A03 | 430 |
| - MPC 4000 Series (Gen II) - Lock bar | 883710A03 | 431 |
| Console Mount - (single engine, trim) - Commander Series | 88688A26 | 436 |
| - MCC 4500 Series (Gen II) | 883711A13 | 431 |
| - (dual engine, trim) - Commander Series | 88688A23 | 436 |
| - Commander 3000 Series - single trim switch in handle | 88688A94 | N/A |
| - MCC 4500 Series (Gen II) - single trim switch in handle | 883711A03 | 432 |
| Throttle/Shift Cables - (Gen I) (two per engine required) | 850716A_Series | 453 |
| - (Gen II) (two per engine required) | 883719A_Series | 451 |

| <u>Instrumentation</u> | <u>Flagship +</u> (Black Face = A 1) (White Face =A11) | <u>Admiral +</u> (Black Face = Q 1) (White Face = Q 2) | <u>QSS</u> (Black Face = Q 1) (White Face = Q 2) | |
|--|--|--|--|---------|
| Tachometer – 6000 rpm | 79-859674A__ | 79-859674Q__ | 79-883620Q__ | 338-343 |
| Speedometer - 65 mph | 79-859677A__ | 79-859677Q__ | N/A | 338-343 |
| -80 mph | 79-859678A__ | 79-859678Q__ | 79-883623Q__ | 338-343 |
| Battery Meter | 79-859683A__ | 79-859683Q__ | 79-883626Q__ | 338-343 |
| Fuel Gauge | 79-859692A__ | 79-859692Q__ | 79-883633Q__ | 338-343 |
| Cruiselog (hourmeter) | 79-859695A__ | 79-859695Q__ | 79-883636Q__ | 338-343 |
| Clock | 79-859696A__ | 79-859696Q__ | N/A | 338-343 |
| Power Trim | 79-859693A__ | 79-859693Q__ | 79-883634Q__ | 338-343 |
| Water Temperature Gauge (100-240 deg. F) | 79-859684A__ | 79-859684Q__ | 79-883627Q__ | 338-343 |
| -also requires reducer fitting 22-86306 | | | | |
| Oil Pressure Gauge | 79-859689A__ | 79-859689Q__ | 79-883631Q__ | 338-343 |
| In Dash Depth Gauge | 79-859682K 1/K 2 | 79-859682Q__ | N/A | 349,356 |
| Dual Engine Synchronizer | 79-859694A__ | 79-859694Q__ | 79-883635Q__ | 338-343 |

Electrical

| | | |
|--|--------------------|-----|
| Instrument Harness - 3 ft. (for two piece harness) | 84-812475A 3 | 403 |
| - 20 ft. (one piece) | 84-812475A20 | 403 |
| - 25 ft. (one piece) | 84-812475A25 | 403 |
| Extension Harness - 10 ft. (for two piece harness) | 84-812441A10 | 403 |
| - 15 ft. (for two piece harness) | 84-812441A15 | 403 |
| - 20 ft. (for two piece harness) | 84-812441A20 | 403 |
| Ignition Switch | 54212A 7 | 405 |
| Keyless Ignition System | 87-859660Q 1 (Q/S) | 405 |
| | 87-859660A 1 (MPP) | 405 |
| Lanyard Stop Switch (single engine) | 87-19674Q 2 | 414 |
| (dual engine) | 87-814324A 2 | 414 |
| Audio Warning System (low oil pressure and high temperature) | 86047A21 | 104 |
| Dual Station Oil Pressure Sender | 37293T | 104 |
| Dual Station Water Temperature Sender | 49734 | 104 |
| MerCathode System | 98869A14 | 144 |
| Galvanic Isolator | 888557Q01 | 144 |

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SmartCraft Harnesses and Sensors

| | <u>Part Number</u> | <u>P/N</u> |
|--|--------------------|------------|
| Harnesses - Paddle Wheel Adaptor (4.3L - 6.2L MPI engines w/ ECM 555) | 84-864553T | N/A |
| - Pitot only | 84-863737T | N/A |
| - Steering & Speedo Pitot | 84-863736T | N/A |
| - Clean Power | 84-864219A 1 | N/A |
| - Tank (Fuel, Waste, Water)..... | 84-864218 | 325 |
| - Transom (Steering & Pitot) (4.3L - 6.2L MPI engines w/ ECM 555) | 84-863931A 1 | 322 |
| - Transom (Steering, Pitot & Trim) (8.1L)..... | 84-863739T 1 | N/A |
| - Trim pump (8.1L)..... | 84-863735 | N/A |
| Sensors - Paddle Wheel Speed & Temp..... | 859223 | 323 |
| - Steering | 863188A 5 | 322 |
| - Steering (w/ 100 psi Pitot Sensor)..... | 863188A 2 | 322 |
| - Steering (w/ 100 psi Pitot Sensor & steering/speedo-pitot harness p/n 84-863736) | 863188A 3 | 322 |
| - Pitot (100 psi)..... | 881879A 2 | 324 |
| - Pitot (200 psi)..... | 881879A 3 | 324 |
| - Pitot (100 psi & harness) (4.3L - 6.2L MPI engines w/ ECM 555) | 881879A13 | 324 |
| - Pitot (100 psi & harness) (8.1L)..... | 881879A15 | N/A |
| - Depth (transom mount) | 881931A 1 | 323 |
| - Depth (in hull)..... | 881932A 1 | 323 |
| - Depth (thru hull) | 881933A 1 | 323 |
| - Depth & Temp (thru hull) Bronze body..... | 884207A 1 | 323 |
| - Depth & Temp (thru hull) Plastic body w/ 10 ft. harness | 888828 | 323 |
| - Depth & Temp (thru hull) Plastic body w/ 19 ft. harness | 888828 1 | 324 |
| - Speed & Temp (thru hull) Plastic body w/ 15 ft. harness..... | 883090 | 324 |

Miscellaneous Accessories

| | | |
|--|-----------------------|-----|
| Serpentine Belt Kit (needed when removing P/S in a dual engine application) | See application chart | 106 |
| Hot Water Heater Fitting Kits..... | See application chart | 107 |
| Exhaust Riser Kits - (3 in.)..... | See application chart | 115 |
| - (4 in.)..... | See application chart | 116 |
| Thru Transom Exhaust Outlets - (3 in.)..... | 843434A1 | 108 |
| - (4 in.)..... | 843426A1 | 108 |
| Thru Transom Muffler Exhaust Outlets - (4 in.) | 843434A1 | 108 |
| Thru Transom Exhaust Flappers - (3 in.) | 34765A 2 | 108 |
| - (4 in.) | 12644A 1 | 108 |
| Exhaust Block-off Plate – required when using thru transom exhaust..... | 861776A 2 | 108 |
| Exhaust “Y” Pipe Kit - (all V-8 engines, except 496 Mag)..... | 807130A 6 | 109 |
| - (496 Mag) (also requires elbow kit p/n 44267A 1)..... | 807130A20 | 109 |
| Intermediate Elbow Kit (496/8.1S)..... | 44267A 1 | 109 |
| Exhaust “S” Pipe (allows thru transom exhaust outlets to be mounted below a swim platform) | 18563A 1 | 109 |
| (Ski engines)..... | 807611T | 109 |
| Exhaust Reducer Kit (reduces from 4 in. exhaust to 3 in. exhaust) | 44349A 1 | 109 |
| Silent Choice Exhaust Valve - (all V-8 engines, except 496 Mag) (also requires pump p/n 16645A 4) | 15786A 6 | 109 |
| - (496 Mag) (also requires pump p/n 16645A 4) | 15786A 8 | 109 |
| Silent Choice Exhaust Pneumatic Air Pump..... | 16645A 4 | 110 |
| Exhaust Emission Kits..... | See application chart | 120 |
| Closed Cooling Kits - MCM/MIE engines with dry joint exhaust | See application chart | 125 |
| - MCM engines with pre-dry joint exhaust | See application chart | 126 |
| - MIE engines with pre-dry joint exhaust | See application chart | 127 |
| - Ski engines with pre-dry joint exhaust..... | See application chart | 128 |

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Miscellaneous Accessories (con't)

| | <u>Part Number</u> | <u>P/N</u> |
|---|-----------------------|------------|
| Jackshaft Extension Kits..... | See application chart | 132 |
| High Altitude Gear Kit (Alpha One Gen II s/n 0F680000 and up) (Converts 1.62:1 to 2:1 ratio)..... | 13730A 2 | 132 |
| Remote Oil Filter Kits | See application chart | 133 |
| Remote Oil Filter Bracket Kit | 861557A 1 | 134 |
| Remote Oil Filter Hose Extension Hose Kits | See application chart | 135 |
| Crankcase Oil Pump | 802889Q 1 (Q/S) | 234 |
| | 802889A 1 (MPP) | 206 |
| Oil Drain Hose Kit - for oil pans with Metric M12 oil drain plug threads | 32-805505A 2 | 136 |
| Oil Drain Hose Kit with Bilge Plug Tether | | |
| - MCM 4 cyl. (153 & 181 CID) | 865277A02 | 136 |
| - MCM V-6 (Serial # 0K000000-0M000000) | 865278A02 | 136 |
| - MCM V-6 with jackshaft option (Serial # 0L320000 & above) | 863141A 2 | 136 |
| - MCM V-6 & V-8 with SAE ½-20 oil drain plug threads | 865277A02 | 136 |
| - MCM V-8 with Metric M12 oil drain plug threads | 865281A02 | 136 |
| Cool Fuel Relocation Kit - (454/502 Mag s/n 0K147350-0L085399) | 861637A 1 | 121 |
| - (454/502 Mag s/n 0L085400 and up) | 861637A 2 | 121 |
| In-line Fuel Filter Kit (for engines with boost pump) | 35-864572A 1 | 139 |
| Water Separating Fuel Filter Kit (standard with V-8 models)..... | 35-802893Q 4 (Q/S) | 140 |
| (standard with V-8 models)..... | 35-802893A 4 (MPP) | 140 |
| Gear Lube Monitor - MC I/R/MR/Alpha – Serial # 0D490999 & below | 69622A 7 | 103 |
| - Alpha Gen II – Serial # 0D491000 & above) | 806193A21 | 103 |
| Gear Lube Reservoir Kit (Quart bottle to replace smaller rectangular reservoir for added capacity)..... | 865585A02 | 103 |
| Gear Lube Reservoir Relocation Kit (Alpha/Bravo) 1994 & Newer..... | 806054A 1 | 103 |
| Tilt Up Limit Spacer Kit - Alpha/Bravo | 15768A 3 | 102 |
| Trim In Limit Spacer Kit - Bravo - Serial # 0F214599 & below | | |
| - For negative trim (in) limit of .750 in.(19 mm) to 1.00 in.(25 mm) | 23-806445A 1 | 102 |
| - For negative trim (in) limit of 1.250 in.(31.75 mm) to 1.500 in.(38 mm) | 23-806445A 2 | 102 |
| - For negative trim (in) limit of .250 in.(6 mm) to .500 in.(12 mm) | 23-806445A 3 | 102 |
| Trailer Clips - | 817019Q 2 (Q/S) | 103 |
| - | 817019T 2 (MPP) | 103 |
| Bell Housing Storage Cover | 828134A 1 | 103 |
| Seawater Strainer (fittings sold separately)..... | 35-860603 | 142 |
| Seawater Strainer Fitting - (1-1/4 in. barb)..... | 801763860 | N/A |
| - (1-1/2 in. barb)..... | 22-816339 | N/A |
| Seawater Hose Drain Kit | 861505A 1 | 128 |
| Engine Flush Connector Kit (for engines with drain-able W/P circulating hose 32-861590A 2)..... | 22-861932A 1 | 129 |
| Circulating Pump Hose Drain Kit..... | 32-861590A 2) | 129 |
| Flushing Attachment - allows running engine (Alpha/Bravo)..... | 44357Q 2 (Q/S) | 129 |
| - allows running engine (Alpha/Bravo)..... | 44357T 2 (MPP) | 129 |
| - allows running engine (Bravo I Performance Drive) | 849996T 1 | 130 |
| Dual Water Pickup Flush Seal Kit - (plugs the front inlet holes on dual water pick-up gearcases) | 881150Q 1 (Q/S) | 130 |
| - (plugs the front inlet holes on dual water pick-up gearcases) | 881150K 1 (MPP) | 130 |

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Steering

| | <u>Part Number</u> | <u>P/N</u> |
|--|---------------------------|-------------------|
| Power Steering Pump and Cooler Kit (3.0L/LX s/n 0F353100 and up) | 861481A 2 | 496 |
| Dual Engine Tie Bar – with power steering on starboard engine | | |
| – 16 in. (40 cm) to 30 in. (76 cm)..... | 92020A 1 | 496 |
| – 30 in. (76 cm) to 46 in. (117 cm)..... | 92020A 2 | 496 |
| – 46 in. (117 cm) to 62 in. (157 cm)..... | 92020A 3 | 496 |
| – with power steering on port engine | | |
| – 29 in. (74 cm) to 37-1/2 in. (95 cm)..... | 96708A 4 | 496 |