

**POLARIS®**  
**The Way Out.**

## **Parts Manual**

**2003**

**PREDATOR**  
**Model #A03GJ50AA**  
**Model #A03GJ50AB**  
**Rev. 01**

# TABLE OF CONTENTS

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

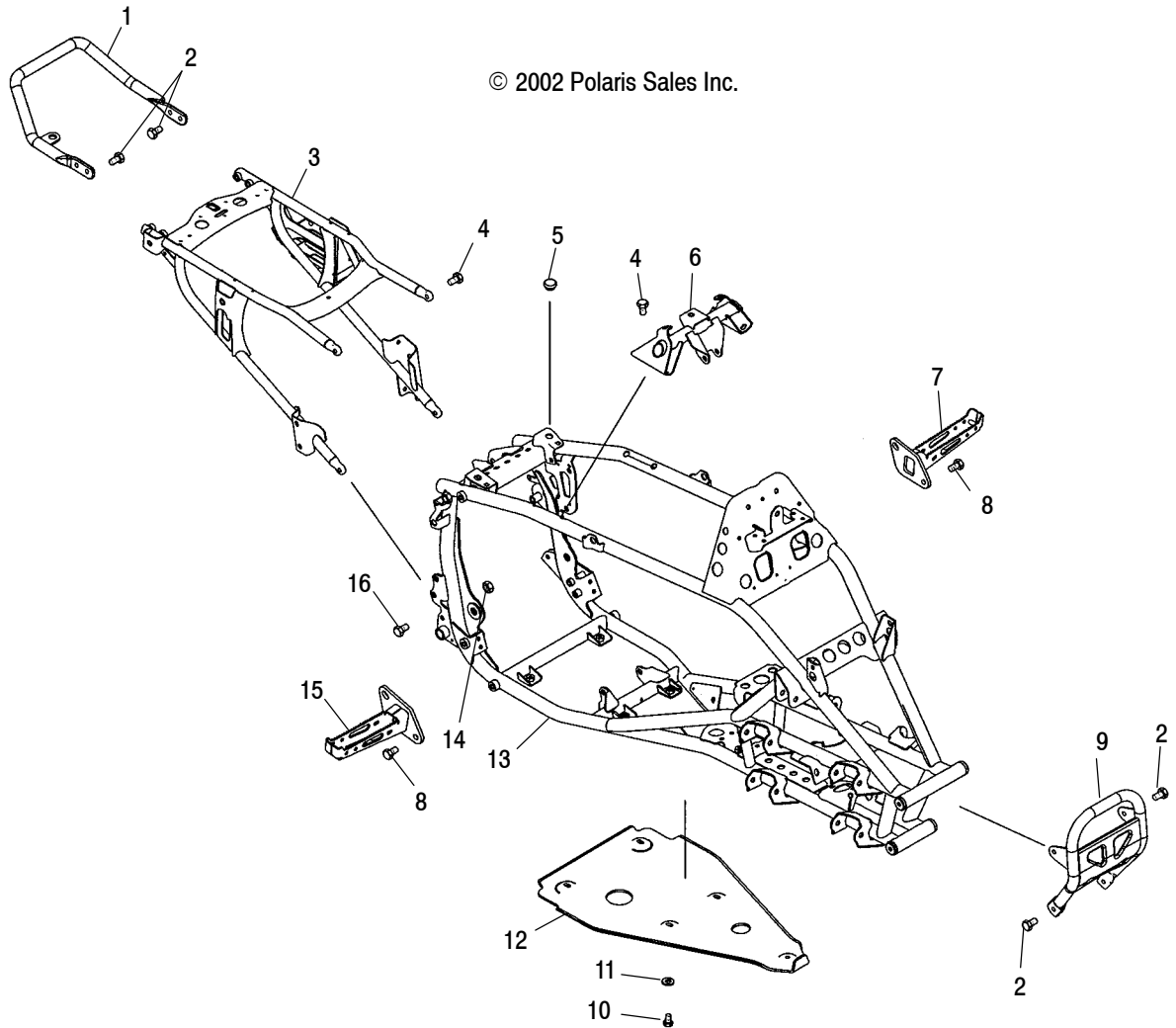
### Parts Manual

|                       |       |                                    |      |
|-----------------------|-------|------------------------------------|------|
| <b>A</b>              |       | <b>H</b>                           |      |
| AIR BOX .....         | C14   | HOUSING .....                      | B5   |
| AIR INTAKE .....      | B11   | HUB, FRONT .....                   | B3   |
| AXLE, REAR .....      | B5    |                                    |      |
| <b>B</b>              |       | <b>I</b>                           |      |
| BRAKE, FRONT .....    | B9    | INTAKE .....                       | C7-8 |
| BRAKE, REAR .....     | B7    |                                    |      |
| <b>C</b>              |       | <b>M</b>                           |      |
| CAB, FRONT .....      | A5    | MAGNETO .....                      | C13  |
| CAB, REAR .....       | A4    | MASTER CYLINDER, FRONT BRAKE ..... | B10  |
| CALIPERS, FRONT ..... | B8    |                                    |      |
| CALIPERS, REAR .....  | B8    | <b>O</b>                           |      |
| CARBURETOR .....      | C9-10 | OIL FILTER .....                   | C12  |
| CHAIN COVER .....     | D6    | OIL PUMP .....                     | C11  |
| CLUTCH .....          | D3-5  | OIL TANK .....                     | A13  |
| CLUTCH LEVER .....    | A9    |                                    |      |
| CONTROLS .....        | A8    | <b>P</b>                           |      |
| COOLING .....         | A10   | PISTON .....                       | C5   |
| CRANKCASE .....       | C3    |                                    |      |
| CRANKSHAFT .....      | C5    | <b>R</b>                           |      |
| CYLINDER .....        | C4    | REAR SHOCK RESERVOIR MOUNTING ...  | B13  |
| <b>D</b>              |       | <b>S</b>                           |      |
| DECALS (AA) .....     | A7    | SEAT .....                         | A4   |
| DECALS (AB) .....     | D8    | SHOCK, FRONT .....                 | B14  |
| <b>E</b>              |       | SHOCK, REAR .....                  | C1-2 |
| ELECTRICAL .....      | B12   | SHOCK, REAR .....                  | B6   |
| ENGINE MOUNTING ..... | A12   | SIDE PANELS .....                  | A5   |
| EXHAUST .....         | C7-8  | STARTING MOTOR .....               | D1   |
| EXHAUST SYSTEM .....  | A11   | STEERING .....                     | B1   |
| <b>F</b>              |       | SUSPENSION, FRONT .....            | B2   |
| FRAME, MAIN .....     | A3    | SWING ARM .....                    | B6   |
| FUEL PUMP .....       | D2    |                                    |      |
| FUEL TANK .....       | A14   | <b>T</b>                           |      |
| <b>H</b>              |       | TOOL KIT .....                     | D7   |
| HEADLAMPS .....       | A6    | <b>W</b>                           |      |
|                       |       | WATER PUMP .....                   | C6   |
|                       |       | WHEEL, FRONT .....                 | B3   |
|                       |       | WHEEL, REAR .....                  | B4   |

The illustrations used in this Parts Manual are for reference to replacement parts only. This manual is not to be used for assembly.

# MAIN FRAME

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

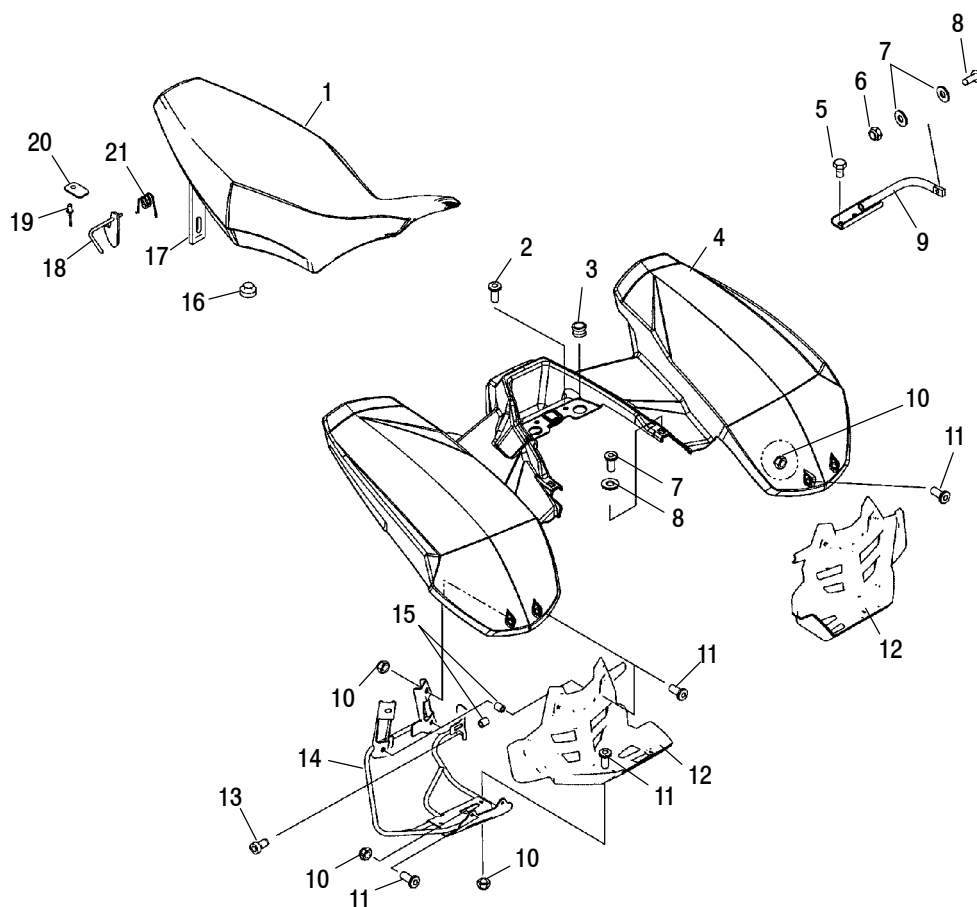


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.    | Qty. | Description               | Ref. | Part No.    | Qty. | Description           |
|------|-------------|------|---------------------------|------|-------------|------|-----------------------|
| 1    | 1013995-385 | 1    | Bar, Grab, Silver         | 9    | 1013774-385 | 1    | Bumper, Front, Silver |
| 2    | 7515399     | 8    | Screw                     | 10   | 7517386     | 5    | Screw                 |
| 3    | 1013707-385 | 1    | Frame, Rear, Silver       | 11   | 7555859     | 5    | Washer, Flat          |
| 4    | 7517846     | 6    | Screw                     | 12   | 5434501     | 1    | Guard, Rock           |
| 5    | 5412067     | 2    | Bumper, Rubber            | 13   | 1013709-385 | 1    | Frame, Main, Silver   |
| 6    | 1013893-067 | 1    | Support, Fuel Tank, Black | 14   | 7542343     | 2    | Nut                   |
| 7    | 1013851-385 | 1    | Peg, Foot, LH, Silver     | 15   | 1013852-385 | 1    | Peg, Foot, RH, Silver |
| 8    | 7517854     | 4    | Screw                     | 16   | 7515307     | 2    | Screw                 |

10/02

# **REAR CAB and SEAT** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



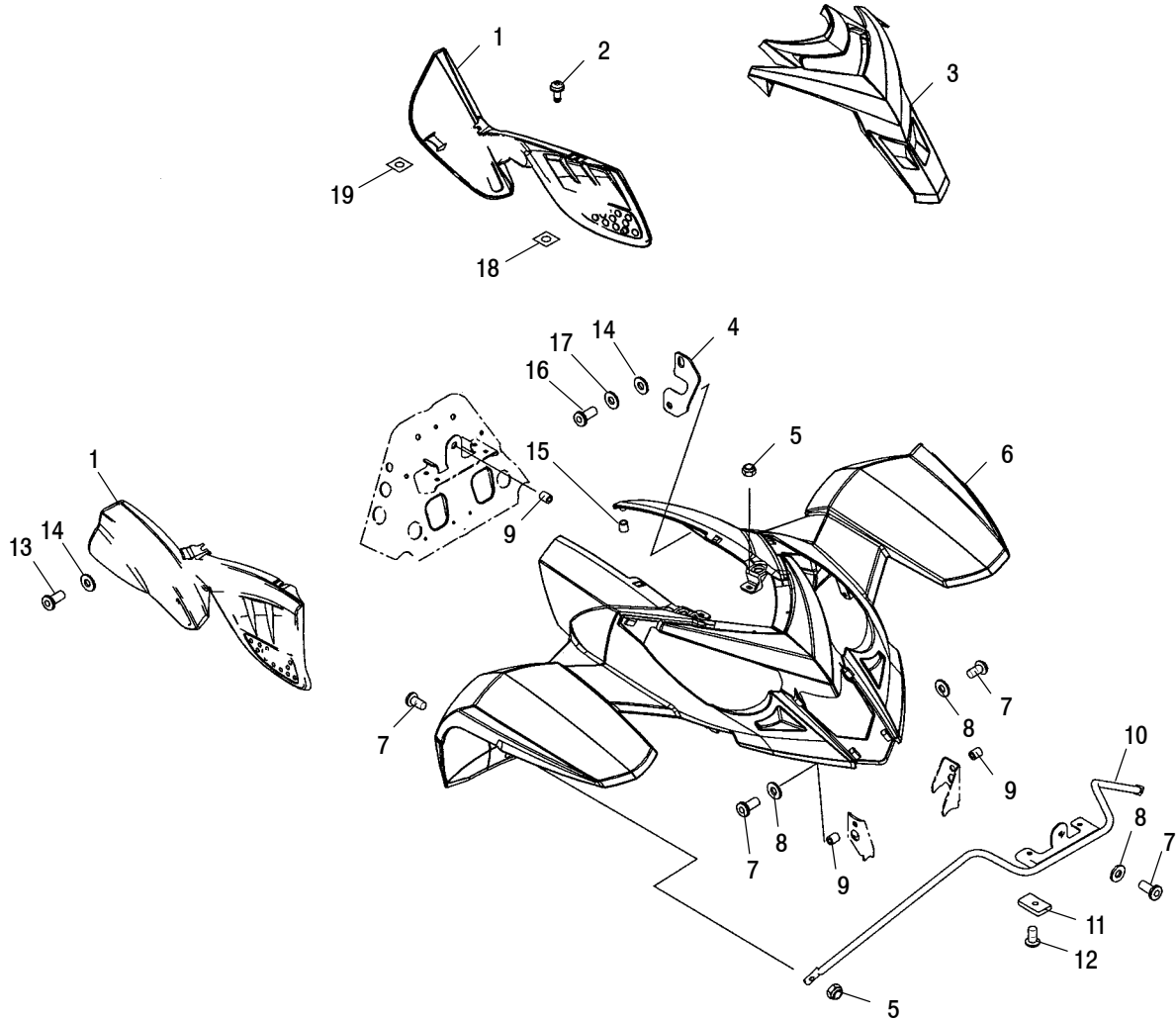
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.                   | Qty.   | Description   |
|------|----------------------------|--------|---|
| 1    | 2632490<br>2632489         | 1<br>1 | Asm., Seat<br>Cover, Seat   |
| 2    | 7512084                    | 2      | Screw   |
| 3    | 5411042                    | 2      | Grommet   |
| 4    | 5434437-434<br>5434437-177 | 1<br>1 | Cab, Rear, Silver Vapor Metallic (AA)<br>Cab, Rear, Black Metallic (AB) |
| 5    | 7515199                    | 4      | Screw   |
| 6    | 7541925                    | 2      | Nut, Nylok  |
| 7    | 7555792                    | 6      | Washer  |
| 8    | 7512018                    | 4      | Screw   |
| 9    | 1014170-385<br>1014171-385 | 1<br>1 | Support, Rear Cab, LH, Silver<br>Support, Rear Cab, RH, Silver          |
| 10   | 7542153                    | 12     | Nut, Nylok  |
| 11   | 7512297                    | 16     | Screw   |

| Ref. | Part No.                      | Qty.        | Description  |
|------|-------------------------------|-------------|--|
| 12   | 5434432-070<br>5434433-070    | 1<br>1      | Pocket, Heel, LH, Black<br>Pocket, Heel, RH, Black   |
| 13   | 7515136<br>7552801<br>7512297 | 4<br>4<br>4 | Screw (If built before 9/20/02)<br>Washer, Lock (If built after 9/20/02)<br>Screw (If built after 9/20/02) |
| 14   | 1013991-385<br>1013992-385    | 1<br>1      | Support, Heel, LH, Silver<br>Support, Heel, RH, Silver   |
| 15   | 7547069                       | 8           | Nutsert  |
| 16   | 5412067                       | 4           | Bumper, Rubber   |
| 17   | 5431501                       | 1           | Strap, Hood Latch  |
| 18   | 1013941                       | 1           | Latch, Seat  |
| 19   | 7621403                       | 1           | Rivet  |
| 20   | 5211033                       | 1           | Bracket, Lever Retainer  |
| 21   | 7041607                       | 1           | Spring   |

10/02

# **FRONT CAB and SIDE PANELS** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**

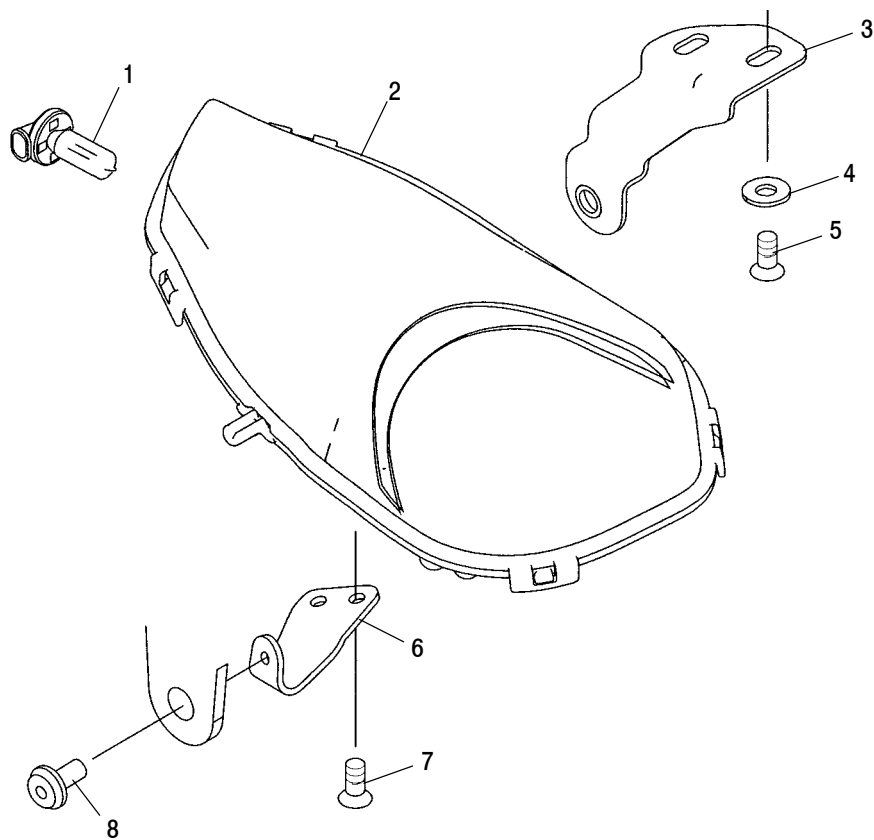


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.                   | Qty.   | Description  |
|------|----------------------------|--------|--|
| 1    | 5434430-070<br>5434431-070 | 1<br>1 | Panel, Side, LH, Black<br>Panel, Side, RH, Black                           |
| 2    | 7512084                    | 7      | Screw  |
| 3    | 5434434-177                | 1      | Cover, Front, Black Metallic   |
| 4    | 5246919<br>5246920         | 1<br>1 | Bracket, Cab Mount, Front, LH<br>Bracket, Cab Mount, Front, RH             |
| 5    | 7542153                    | 4      | Nut, Nylok   |
| 6    | 2632665-434<br>2632665-177 | 1<br>1 | Cab, Front, Silver Vapor Metallic (AA)<br>Cab, Front, Black Metallic (AB)  |
| 7    | 7512297                    | 5      | Screw  |
| 8    | 7552604                    | 3      | Washer   |
| 9    | 7542130<br>7547069         | 3<br>3 | Nut, Rivet (If built before 10/15/02)<br>Nutsert (If built after 10/15/02) |

| Ref. | Part No.    | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 10   | 1014168-385 | 1    | Support, Cab, Front, Silver |
| 11   | 5434906     | 2    | Pad, Slider                 |
| 12   | 7517455     | 2    | Screw                       |
| 13   | 7512018     | 1    | Screw                       |
| 14   | 7555799     | 5    | Washer                      |
| 15   | 5412334     | 6    | Cap, Rubber                 |
| 16   | 7512076     | 4    | Screw                       |
| 17   | 7571602     | 4    | Washer                      |
| 18   | 7670127     | 4    | Clip                        |
| 19   | 7547247     | 4    | U-Nut                       |

**HEADLAMPS**  
**PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



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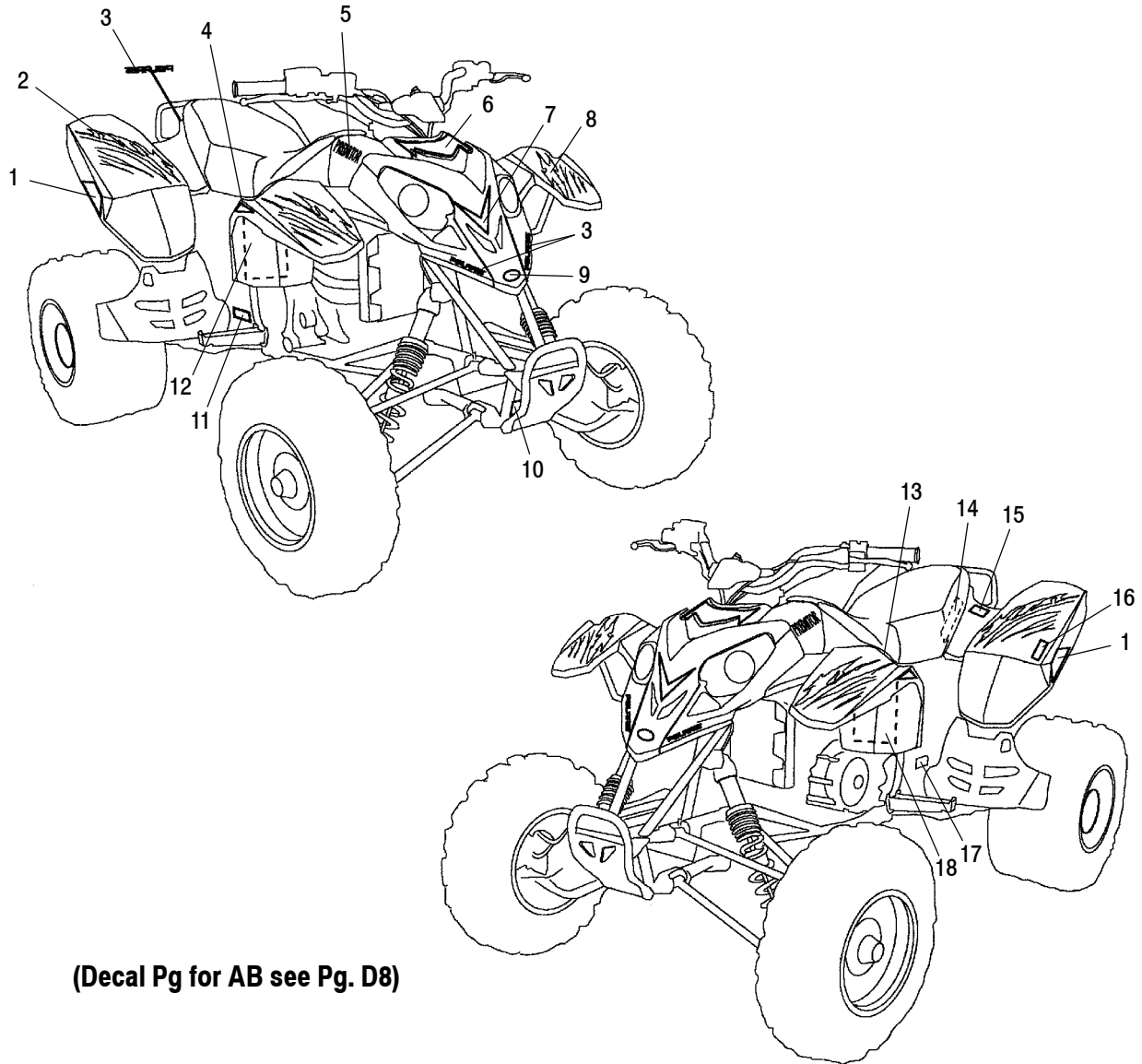
| Ref. | Part No.    | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 1    | 4010894     | 2    | Bulb                          |
| 2    | 2410303     | 1    | Asm., Headlight, LH (Incl. 1) |
|      | 2410304     | 1    | Asm., Headlight, RH (Incl. 1) |
| 3    | 5246589-385 | 1    | Bracket, LH, Silver           |
|      | 5246590-385 | 1    | Bracket, RH, Silver           |
| 4    | 7571602     | 4    | Washer, Lock                  |

| Ref. | Part No. | Qty. | Description                     |
|------|----------|------|---------------------------------|
| 5    | 7512076  | 4    | Screw                           |
| 6    | 5246591  | 1    | Bracket, Headlight Adjuster, LH |
|      | 5246592  | 1    | Bracket, Headlight Adjuster, RH |
| 7    | 7517910  | 4    | Screw                           |
| 8    | 7512084  | 2    | Screw                           |

7/02

## DECALS

### PREDATOR A03GJ50AA



(Decal Pg for AB see Pg. D8)

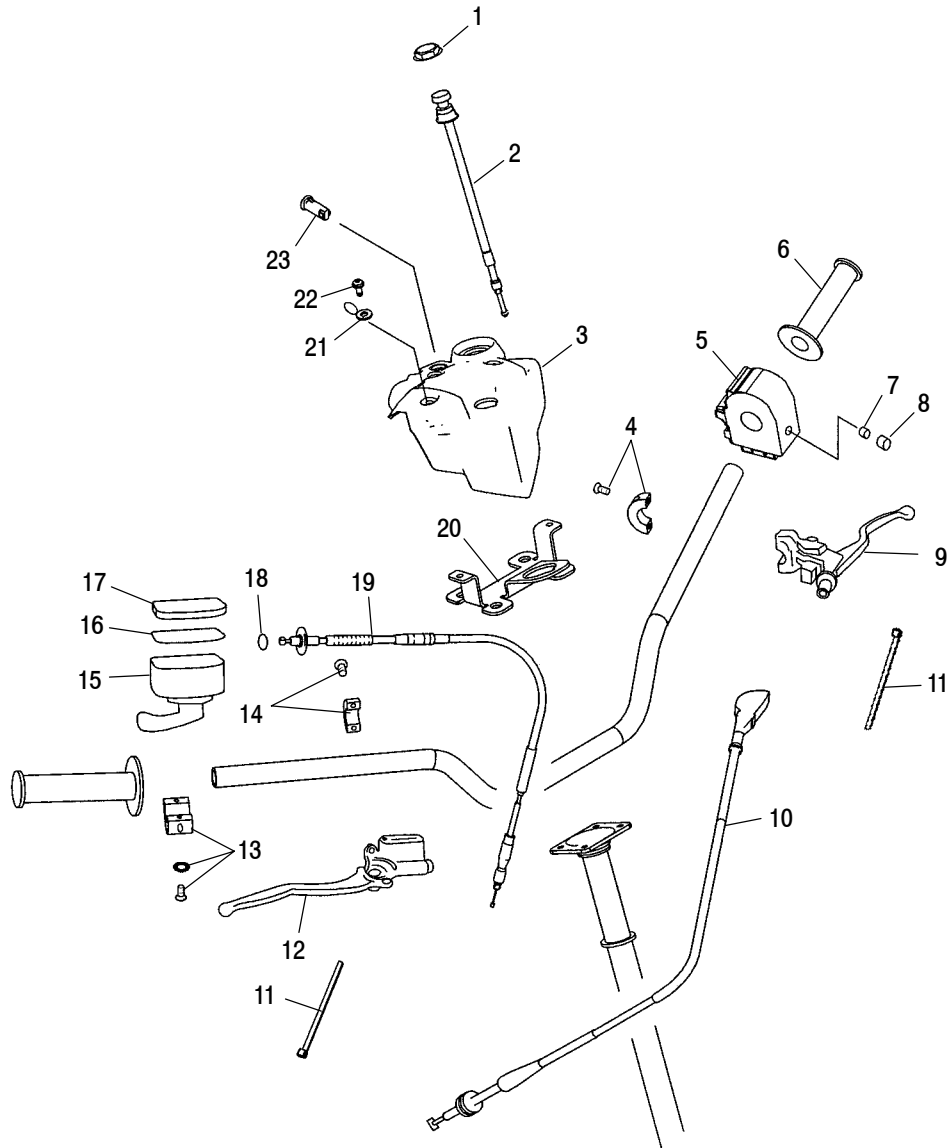
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| Ref. | Part No. | Qty. | Description                  |
|------|----------|------|------------------------------|
| 1    | 7170621  | 1    | Reflector, Red, LH           |
|      | 7170622  | 1    | Reflector, Red, RH           |
| 2    | 7170899  | 1    | Decal, Fender, Rear, LH      |
|      | 7170901  | 1    | Decal, Fender, Rear, RH      |
| 3    | 7170896  | 3    | Decal, "POLARIS", Front/Rear |
| 4    | 7170623  | 1    | Reflector, Amber, LH         |
|      | 7170624  | 1    | Reflector, Amber, RH         |
| 5    | 7170902  | 1    | Decal, Predator, LH          |
|      | 7170903  | 1    | Decal, Predator, RH          |
| 6    | 7170937  | 1    | Decal, Cover, Front, Red     |
| 7    | 7170904  | 1    | Decal, Cover, Front, Silver  |
| 8    | 7170897  | 1    | Decal, Fender, Front, LH     |
|      | 7170898  | 1    | Decal, Fender, Front, RH     |

| Ref. | Part No. | Qty. | Description                              |
|------|----------|------|--|
| 9    | 7078465  | 1    | Logo, Polaris Star                       |
| 10   | 7171030  | 1    | Decal, PRO Steering                      |
| 11   | 7170982  | 1    | Decal, FOX, Swing Arm                    |
| 12   | 7170906  | 1    | Decal, Discretion Warning                |
| 13   | 7078253  | 1    | Decal, Age Warning, 16, ATV              |
| 14   | 7079902  | 1    | Decal, 4 Stroke, Carb/Filter Information |
| 15   | 7077920  | 1    | Decal, Passenger Warning                 |
| 16   | 7171022  | 1    | Decal, Tire Pressure                     |
| 17   | 7171545  | 1    | Decal, "CHAIN FREEPLAY"                  |
| 18   | 7079083  | 1    | Decal, Warning, General, CPSC            |

# CONTROLS

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



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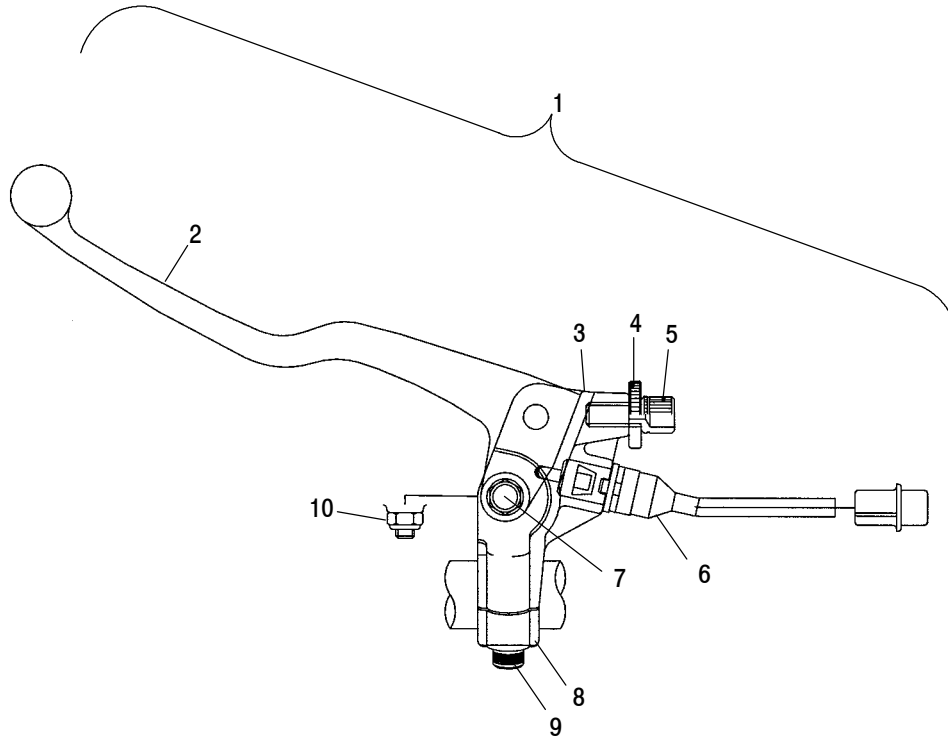
| Ref. | Part No.    | Qty. | Description  |
|------|-------------|------|--|
| 1    | 7080922     | 1    | Nut, Choke   |
| 2    | 7081097     | 1    | Cable, Choke   |
| 3    | 5434451-070 | 1    | Panel, Instrument  |
| 4    | -----       | 1    | Holder (See Clutch Lever Pg. A9, Ref. 8)                                       |
|      | -----       | 2    | Bolt (See Clutch Lever Pg. A9, Ref. 9)   |
| 5    | 4010655     | 1    | Switch, Handlebar  |
| 6    | 5434628-070 | 2    | Grip   |
| 7    | 7517625     | 1    | Screw, Set   |
| 8    | 5432952     | 1    | Plug, Hole   |
| 9    | -----       | 1    | Asm., Clutch Lever<br>(See Clutch Lever Pg. A9 for Details)                    |
| 10   | 7081034     | 1    | Cable, Clutch  |
| 11   | 7080138     | 4    | Cable Tie  |
| 12   | -----       | 1    | Asm., Master Cylinder (See Front Brake<br>Master Cylinder Pg. B10 for Details) |
| 13   | 2010191     | 1    | Asm., Throttle Clamp   |

| Ref. | Part No. | Qty. | Description   |
|------|----------|------|---|
| 14   | -----    | 1    | Clamp (See Front Brake Master Cylinder Pg. B10, Ref. 6) |
|      | -----    | 2    | Screw (See Front Brake Master Cylinder Pg. B10, Ref. 6) |
| 15   | 2010204  | 1    | Asm., Throttle Control                                  |
| 16   | 5411439  | 1    | O-Ring  |
| 17   | 5434113  | 1    | Cover   |
| 18   | 5410193  | 1    | O-Ring  |
| 19   | 7080967  | 1    | Cable, Throttle   |
| 20   | 5246383  | 1    | Bracket, Instrument Panel                               |
| 21   | 5432420  | 2    | Cover, Screw (If built before 10/01/02)                 |
| 22   | 7512024  | 2    | Screw (If built before 10/01/02)                        |
|      | 7518176  | 2    | Screw (If built after 10/01/02)                         |
| 23   | 4010728  | 1    | Indicator, Hot Light                                    |
|      | 4010729  | 1    | Indicator, Neutral Light                                |



# CLUTCH LEVER

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



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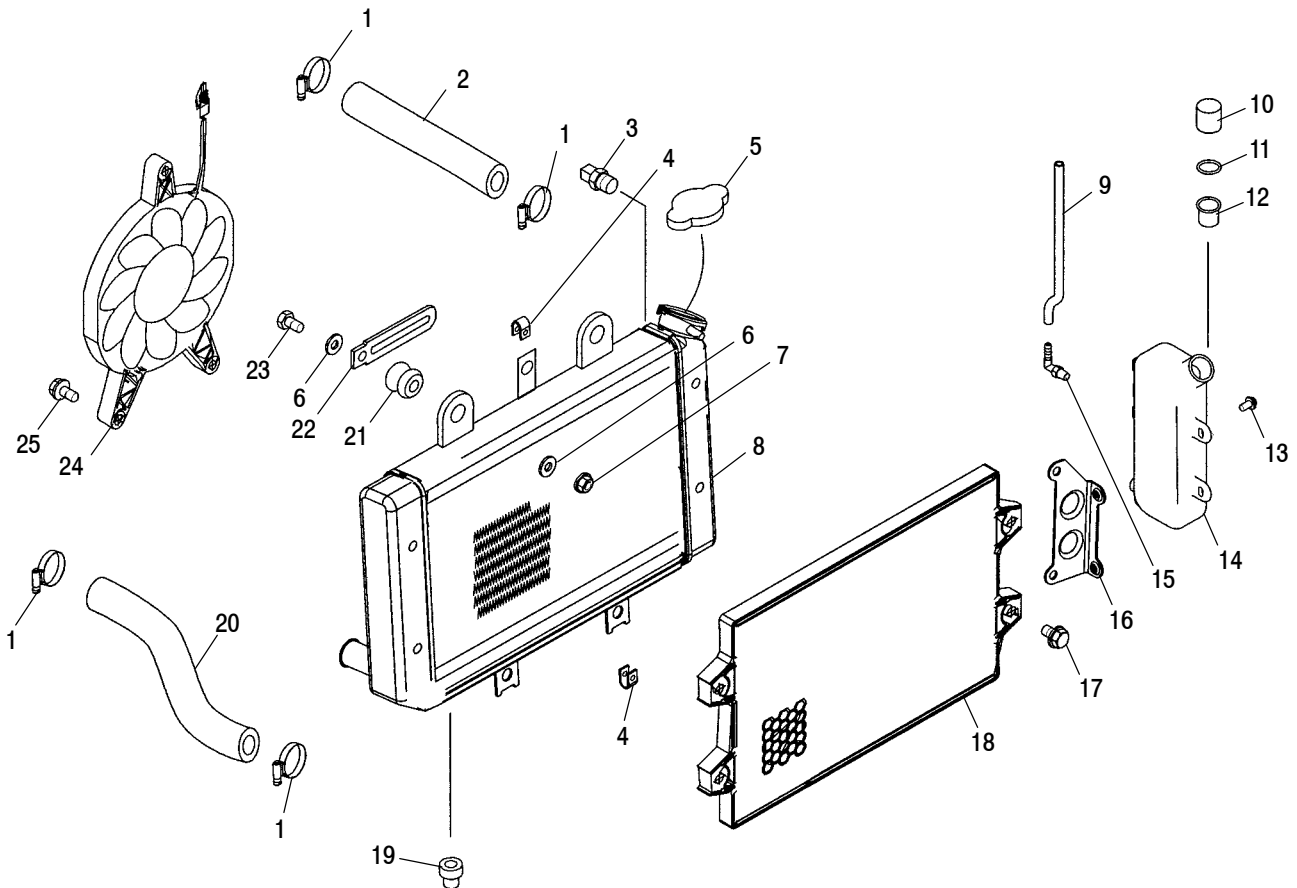
| Ref. | Part No. | Qty. | Description            |
|------|----------|------|------------------------|
| 1    | 2010212  | 1    | Asm., Clutch Lever     |
| 2    | 2010229  | 1    | Lever, Clutch          |
| 3    | 2010228  | 1    | Holder, Clutch Lever   |
| 4    | 2010227  | 1    | Nut, Clutch Pivot      |
| 5    | 2010226  | 1    | Adjuster, Clutch Cable |

| Ref. | Part No. | Qty. | Description                 |
|------|----------|------|-----------------------------|
| 6    | 2410321  | 1    | Switch, Clutch Lever        |
| 7    | 7518212  | 1    | Bolt, Clutch Pivot          |
| 8    | 2010225  | 1    | Holder, Clutch Lever, Lower |
| 9    | 7518211  | 1    | Bolt, Clutch Holder         |
| 10   | 7547253  | 1    | Nut, Clutch Pivot           |

7/02

# COOLING

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



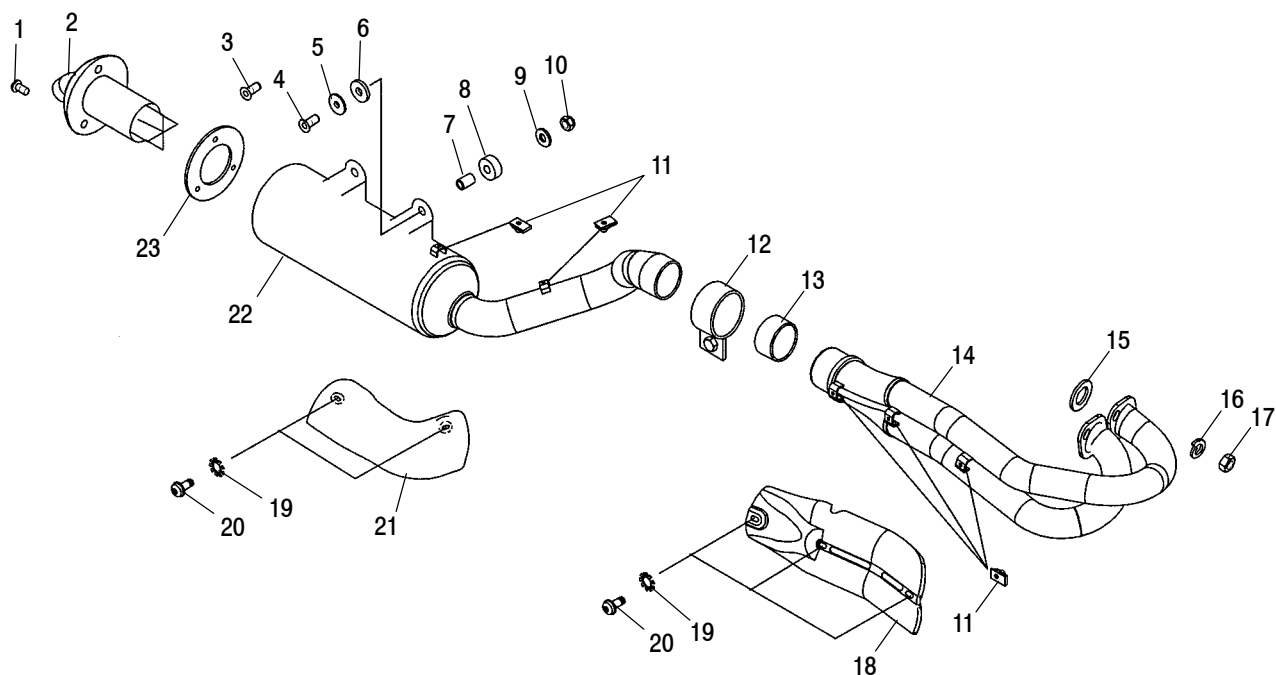
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| Ref. | Part No.     | Qty. | Description     |
|------|--------------|------|-----------------|
| 1    | 7080696      | 4    | Clamp, Hose     |
| 2    | 8450050-28   | 1    | Hose, Water     |
| 3    | 4010808      | 1    | Sensor, Thermal |
| 4    | 7547197      | 3    | U-Clip          |
| 5    | 1240093      | 1    | Cap, Pressure   |
| 6    | 7558301      | 4    | Washer, Flat    |
| 7    | 7542122      | 2    | Nut, Nylok      |
| 8    | 1240130      | 1    | Radiator        |
| 9    | 8450003-1525 | AR   | Line, Fuel      |
| 10   | 5430743      | 1    | Cap             |
| 11   | 5810279      | 1    | Gasket          |
| 12   | 5433774      | 1    | Plug            |
| 13   | 7512084      | 2    | Screw           |

| Ref. | Part No.    | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 14   | 5434856     | 1    | Tank, Surge                 |
| 15   | 7052065     | 1    | Fitting                     |
| 16   | 5246802-385 | 1    | Bracket, Surge Tank, Silver |
| 17   | 7547220     | 4    | Screw w/Washer              |
| 18   | 5434679     | 1    | Screen                      |
| 19   | 5410584     | 2    | Bushing, Mount              |
| 20   | 5412328     | 1    | Hose, Formed                |
| 21   | 5411975     | 2    | Grommet and Insert          |
| 22   | 7080654     | 1    | Retainer                    |
| 23   | 7512163     | 2    | Screw                       |
| 24   | 2520272     | 1    | Asm., Fan and Motor         |
| 25   | 7547221     | 3    | Screw                       |

# EXHAUST SYSTEM

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



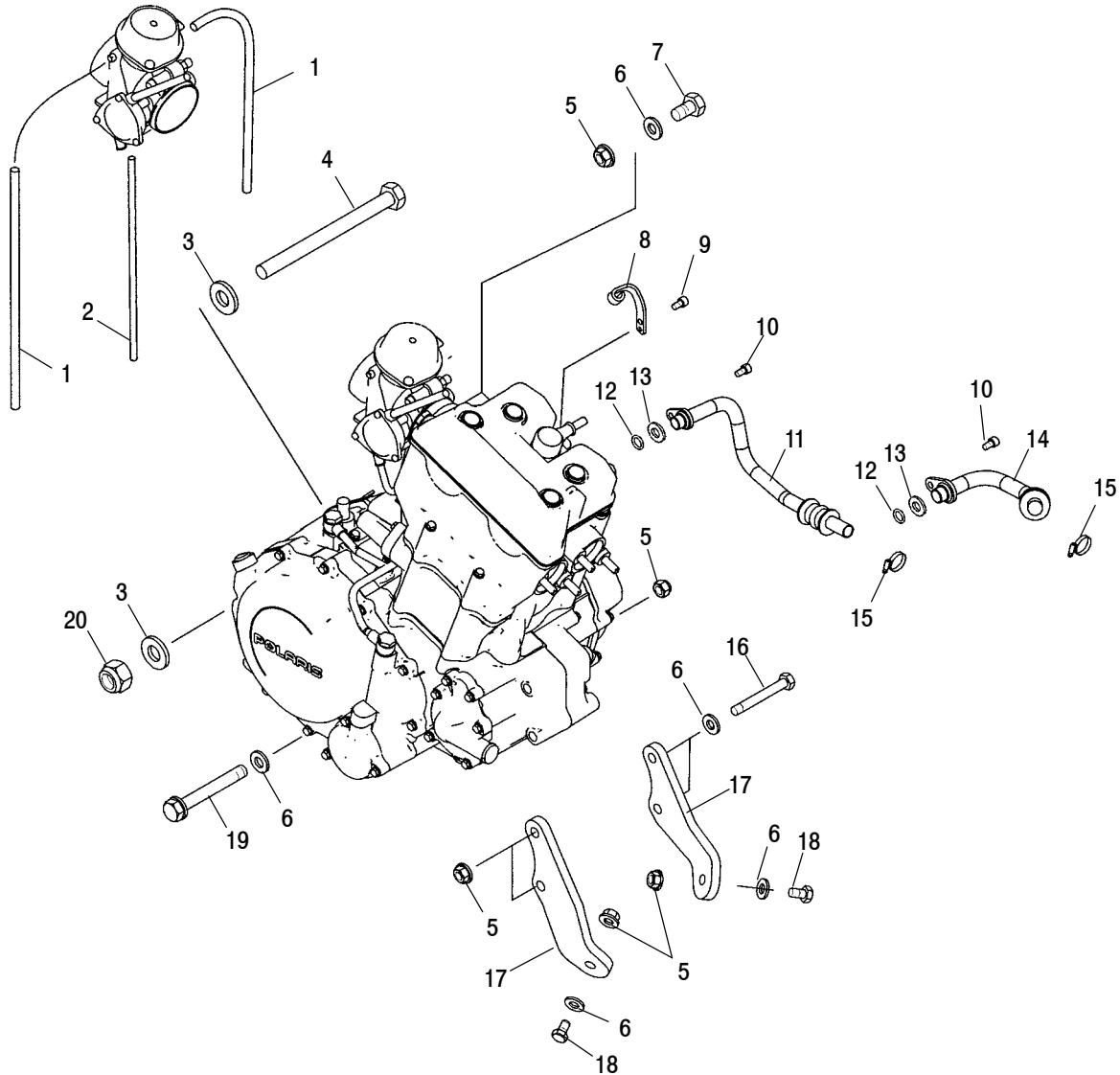
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| Ref. | Part No. | Qty. | Description                     | Ref. | Part No.    | Qty. | Description                            |
|------|----------|------|---------------------------------|------|-------------|------|--|
| 1    | 7518225  | 3    | Screw                           | 13   | 5246375     | 1    | Seal, Exhaust                          |
| 2    | 1261248  | 1    | Arrestor, Spark                 | 14   | 1261197     | 1    | Headpipe                               |
| 3    | 7515301  | 1    | Screw                           | 15   | 3087957     | 2    | Gasket                                 |
| 4    | 7515339  | 1    | Screw                           | 16   | 3080530     | 4    | Washer, Lock                           |
| 5    | 7555959  | 2    | Washer, Flat                    | 17   | 3087199     | 4    | Nut                                    |
| 6    | 5412289  | 2    | Washer, Rubber                  | 18   | 5246621-385 | 1    | Shield, Exhaust, Front, Silver         |
| 7    | 5334210  | 2    | Spacer                          | 19   | 7571602     | 5    | Washer, Lock (If built after 10/15/02) |
| 8    | 5410241  | 2    | Dampener, Vibration             | 20   | 7512048     | 5    | Screw (If built before 10/15/02)       |
| 9    | 7558402  | 1    | Washer, Flat                    |      | 7512084     | 5    | Screw (If built after 10/15/02)        |
| 10   | 7542324  | 1    | Nut, Nylok                      | 21   | 5246620-385 | 1    | Shield, Exhaust, Rear, Silver          |
| 11   | 7547247  | 5    | U-Nut (If built after 10/15/02) | 22   | 1261198     | 1    | Silencer                               |
| 12   | 7081139  | 1    | Clamp                           | 23   | 5812422     | 1    | Gasket, Spark Arrestor                 |

10/02

# ENGINE MOUNTING

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



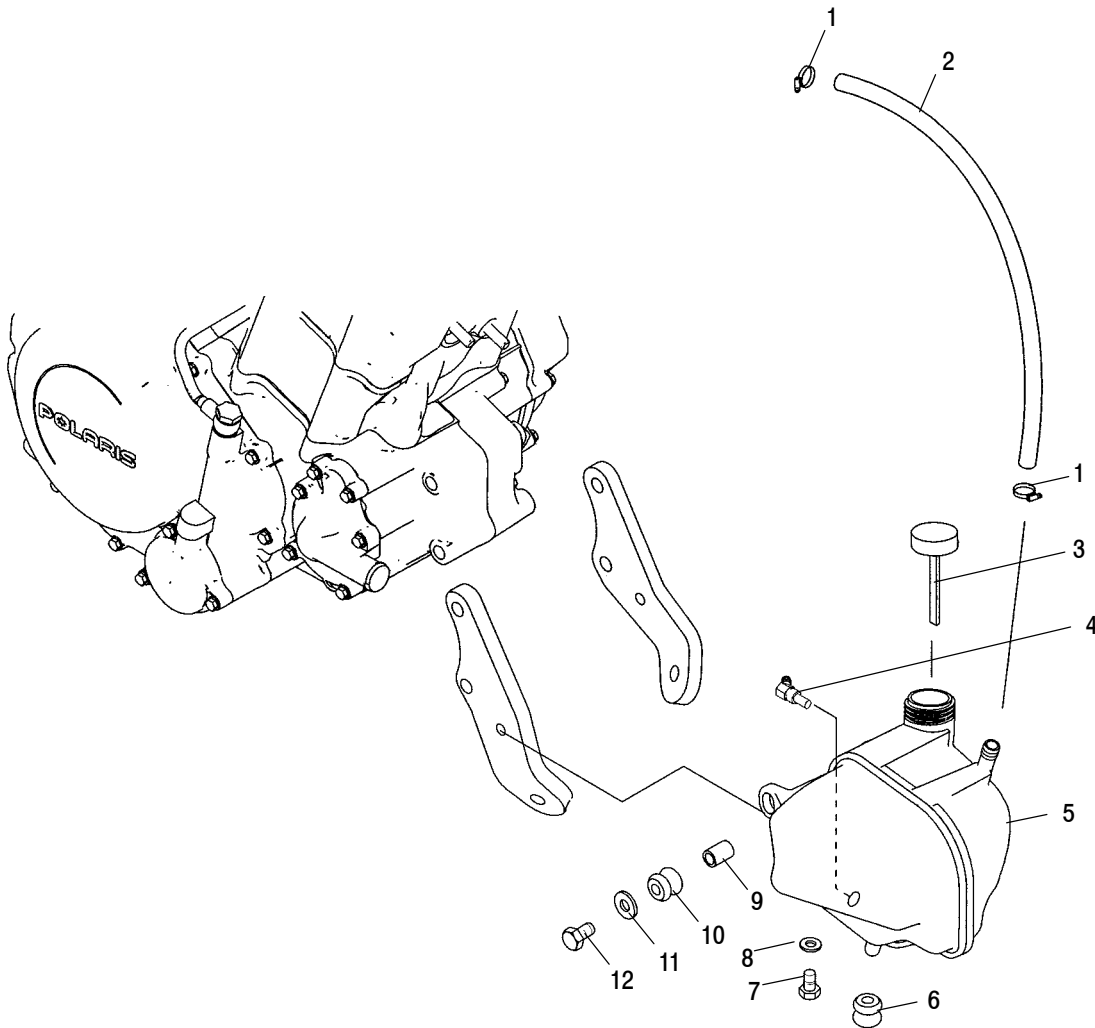
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| Ref. | Part No.     | Qty. | Description           |
|------|--------------|------|-----------------------|
| 1    | 8450003-1525 | AR   | Line, Fuel            |
| 2    | 8360009-100  | AR   | Line, Fuel            |
| 3    | 7556264      | 2    | Washer                |
| 4    | 7518148      | 1    | Bolt, Swing Arm       |
| 5    | 7547108      | 6    | Nut, Flange           |
| 6    | 7555806      | 6    | Washer, Flat          |
| 7    | 7515433      | 1    | Screw                 |
| 8    | 5246639      | 1    | Bracket, Clutch Cable |
| 9    | 7517653      | 1    | Screw                 |
| 10   | 7517915      | 2    | Screw                 |
| 11   | 2540114      | 1    | Hose, Oil Return      |

| Ref. | Part No.           | Qty.   | Description  |
|------|--------------------|--------|--|
| 12   | 5411356            | 2      | O-Ring   |
| 13   | 7556113            | 2      | Washer, Flat   |
| 14   | 2540113            | 1      | Hose, Oil Suction                                    |
| 15   | 7080474            | 2      | Clamp, Hose  |
| 16   | 7517507            | 2      | Screw  |
| 17   | 5246080<br>5246081 | 1<br>1 | Mount, Engine, Front, LH<br>Mount, Engine, Front, RH |
| 18   | 7512457            | 2      | Screw  |
| 19   | 7515514            | 1      | Screw  |
| 20   | 7547096            | 1      | Nut, Nylon, Lock Nut                                 |

# OIL TANK

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



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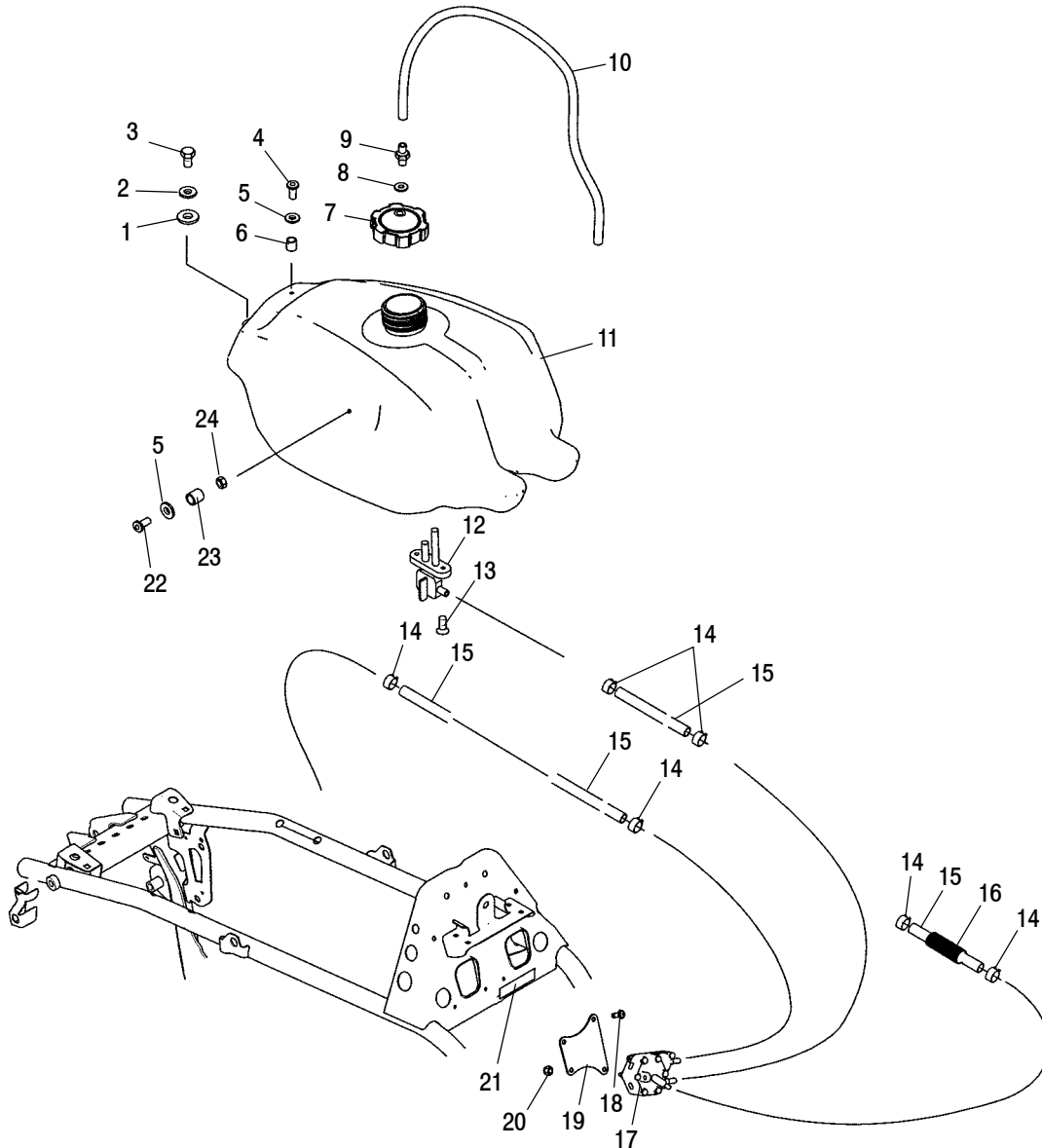
| Ref. | Part No.   | Qty. | Description                     |
|------|------------|------|---------------------------------|
| 1    | 7080474    | 2    | Clamp, Hose                     |
| 2    | 8450096-95 | AR   | Line (If built before 10/15/02) |
|      | 8450096-82 | AR   | Line (If built after 10/15/02)  |
| 3    | 5434743    | 1    | Dipstick                        |
| 4    | 7052339    | 1    | Screen, Oil Filter, 45 Degree   |
| 5    | 5434834    | 1    | Tank, Oil                       |
| 6    | 5411042    | 1    | Grommet                         |

| Ref. | Part No. | Qty. | Description   |
|------|----------|------|---------------|
| 7    | 7051524  | 1    | Plug          |
| 8    | 5850135  | 1    | Washer, Nylon |
| 9    | 5333204  | 2    | Bushing       |
| 10   | 5410828  | 2    | Grommet       |
| 11   | 7558301  | 2    | Washer, Flat  |
| 12   | 7512277  | 2    | Screw         |

10/02

# FUEL TANK

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



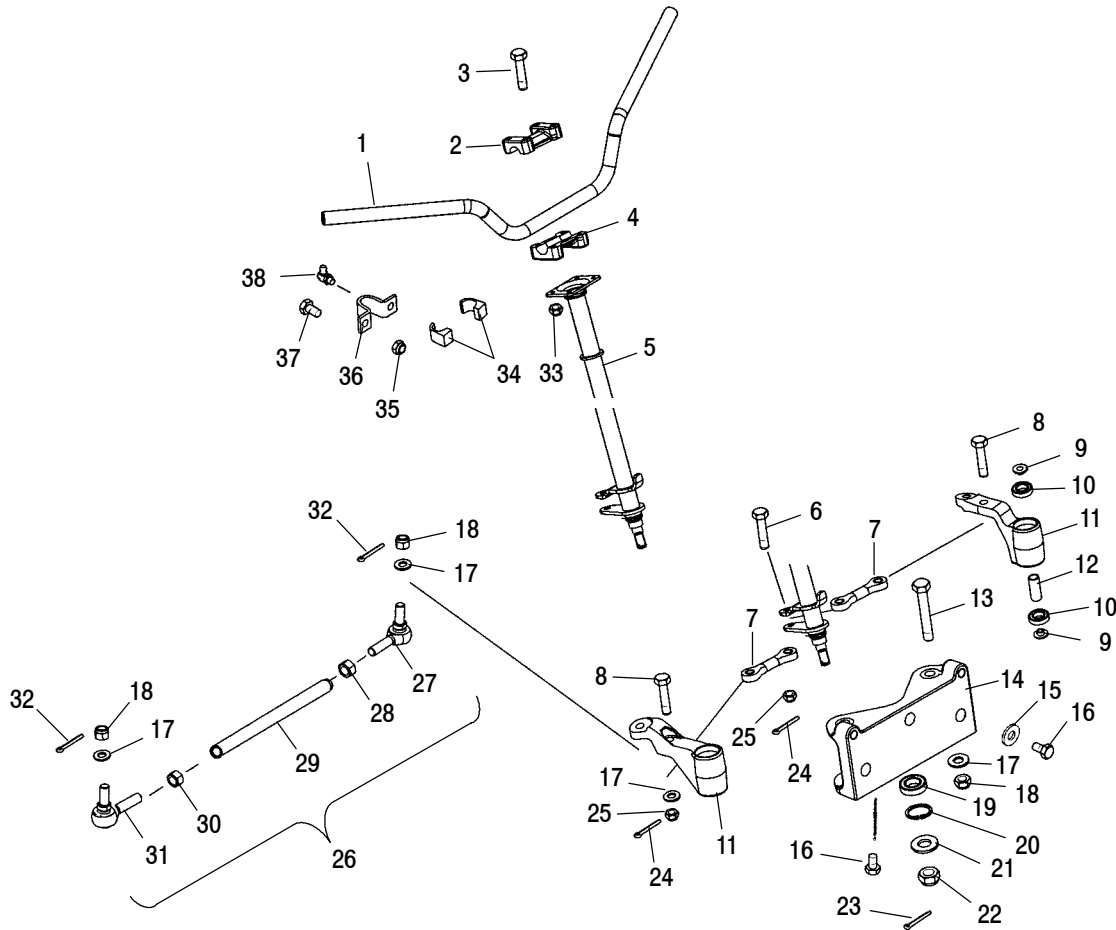
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                 |
|------|----------|------|-----------------------------|
| 1    | 7555734  | 1    | Washer, Flat                |
| 2    | 7552606  | 1    | Washer, Split Lock          |
| 3    | 7515321  | 1    | Screw                       |
| 4    | 7515166  | 1    | Screw                       |
| 5    | 7555859  | 3    | Washer, Flat                |
| 6    | 5334283  | 1    | Spacer                      |
| 7    | 5434736  | 1    | Cap                         |
| 8    | 5812486  | 1    | Gasket                      |
| 9    | 7052343  | 1    | Fitting                     |
| 10   | 5212411  | 1    | Line, Vent                  |
| 11   | 2520271  | 1    | Asm., Fuel Tank (Incl. 12)  |
| 12   | 7052331  | 1    | Valve, Fuel, ON/OFF/RESERVE |

| Ref. | Part No.   | Qty. | Description              |
|------|------------|------|--------------------------|
| 13   | 7515136    | 2    | Screw                    |
| 14   | 7080003    | 6    | Clamp, Hose, Red         |
| 15   | 8450103    | AR   | Hose, Fuel               |
| 16   | 8360052-15 | AR   | Tubing, Convolutud       |
| 17   | 3088070    | 1    | Pump, Fuel               |
| 18   | 7512084    | 2    | Screw                    |
| 19   | 5246593    | 1    | Bracket, Fuel Pump Mount |
| 20   | 7546601    | 2    | Nut                      |
| 21   | 8360012-07 | 1    | Trim, Edge               |
| 22   | 7517455    | 2    | Screw                    |
| 23   | 8350018-01 | 2    | Tubing                   |
| 24   | 7542105    | 2    | Nut                      |

# STEERING

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



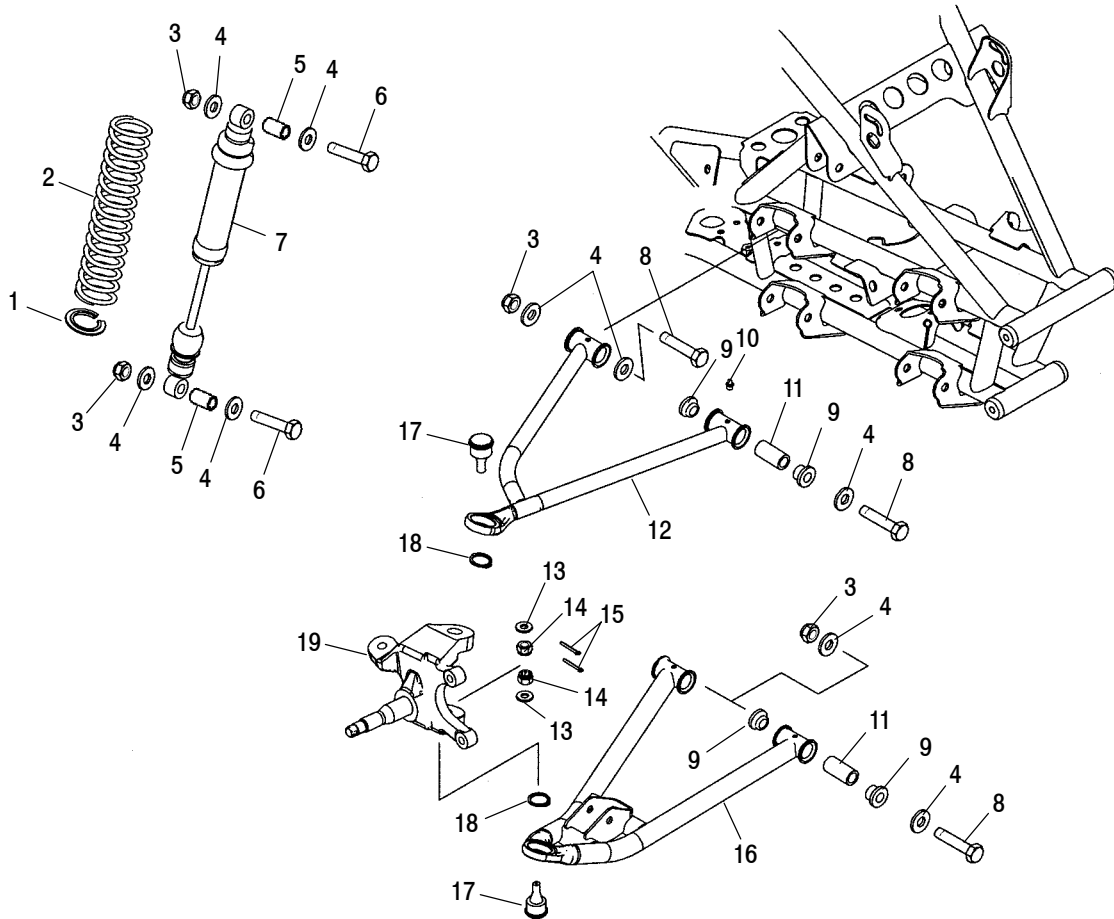
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.    | Qty. | Description                          |
|------|-------------|------|--------------------------------------|
| 1    | 5246156-385 | 1    | Tube, Handlebar, Silver              |
| 2    | 5631146     | 1    | Block, Pegged                        |
| 3    | 7515189     | 4    | Screw                                |
| 4    | 5631147     | 1    | Block                                |
| 5    | 1821210-385 | 1    | Post, Steering, Silver               |
| 6    | 7518218     | 1    | Screw                                |
| 7    | 1520531     | 2    | Centerlink                           |
| 8    | 7518219     | 2    | Screw                                |
| 9    | 5132106     | 4    | Reducer                              |
| 10   | 3514320     | 4    | Bearing, Ball                        |
| 11   | 1821318     | 1    | Asm., Idler, LH (Incl. 9-12)         |
|      | 1821319     | 1    | Asm., Idler, RH (Incl. 9-12)         |
| 12   | 5334160     | 2    | Spacer                               |
| 13   | 7515406     | 2    | Screw                                |
| 14   | 5133344     | 1    | Block, Steering Mount                |
| 15   | 7558402     | 2    | Washer, Flat                         |
| 16   | 7518068     | 4    | Screw                                |
| 17   | 7555806     | 8    | Washer, Flat                         |
| 18   | 7547025     | 4    | Nut, Nylok (If built before 8/15/02) |
|      | 7542439     | 4    | Nut, Nylok (If built after 8/15/02)  |
| 19   | 3514395     | 1    | Bearing, Ball, Sealed                |

| Ref. | Part No. | Qty. | Description                 |
|------|----------|------|-----------------------------|
| 20   | 7710531  | 1    | Ring, Retaining             |
| 21   | 7558707  | 1    | Bushing                     |
| 22   | 7547065  | 1    | Nut, Nylon                  |
| 23   | 7661401  | 1    | Pin, Cotter                 |
| 24   | 7661011  | 3    | Pin, Cotter                 |
| 25   | 7542439  | 5    | Nut, Nylok                  |
| 26   | 1821405  | 2    | Asm., Tie Rod (Incl. 27-31) |
| 27   | 7061112  | 1    | End, Rod, LH                |
| 28   | 7547254  | 1    | Nut, Jam, LH                |
| 29   | 5133933  | 2    | Rod, Tie                    |
| 30   | 7542432  | 1    | Nut, Jam                    |
| 31   | 7061113  | 1    | End, Rod, RH                |
| 32   | 7661205  | 4    | Pin, Cotter                 |
| 33   | 7542122  | 4    | Nut, Nylok                  |
| 34   | 5433866  | 2    | Bushing, Steering, Upper    |
| 35   | 7542324  | 2    | Nut, Nylok                  |
| 36   | 5246732  | 1    | Bracket, Steering, Upper    |
| 37   | 7517428  | 2    | Bolt, Carriage              |
| 38   | 7080510  | 1    | Fitting, Zerk               |

# FRONT SUSPENSION

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



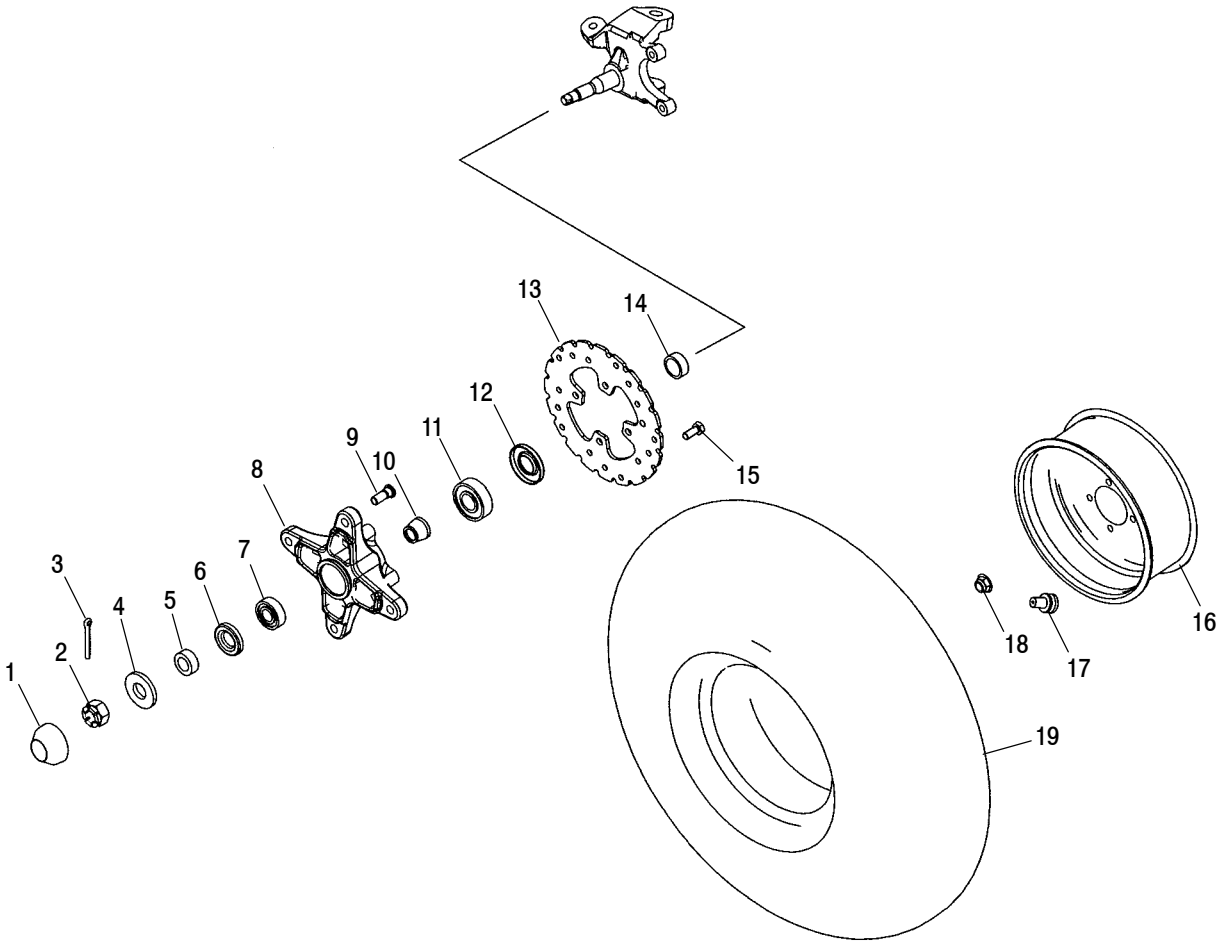
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.    | Qty. | Description               |
|------|-------------|------|---------------------------|
| 1    | 5630580     | 2    | Retainer, Spring, Slotted |
| 2    | 7042132-293 | 2    | Spring, Compression, Red  |
| 3    | 7542439     | 12   | Nut, Nylok                |
| 4    | 7555806     | 24   | Washer, Flat              |
| 5    | 5334149     | 4    | Sleeve                    |
| 6    | 7515415     | 4    | Screw                     |
| 7    | 7042117     | 2    | Shock, IFP                |
| 8    | 7515406     | 8    | Screw                     |
| 9    | 5434575     | 16   | Bushing                   |
| 10   | 7080433     | 8    | Fitting, Lubrication      |
| 11   | 5133406     | 8    | Shaft, A-Arm              |

| Ref. | Part No.                   | Qty.   | Description  |
|------|----------------------------|--------|--|
| 12   | 1014242-385<br>1014243-385 | 1<br>1 | A-Arm, Upper, LH, Silver<br>A-Arm, Upper, RH, Silver |
| 13   | 7555928                    | 4      | Washer   |
| 14   | 7542523                    | 4      | Nut, Castle  |
| 15   | 7661205                    | 4      | Pin, Cotter  |
| 16   | 1013799-385<br>1013801-385 | 1<br>1 | A-Arm, Lower, LH, Silver<br>A-Arm, Lower, RH, Silver |
| 17   | 7081143                    | 4      | Joint, Ball  |
| 18   | 7710533                    | 4      | Ring, Retainer                                       |
| 19   | 1520640<br>1520641         | 1<br>1 | Knuckle, Steering, LH<br>Knuckle, Steering, RH       |



# **FRONT HUB and FRONT WHEEL** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**

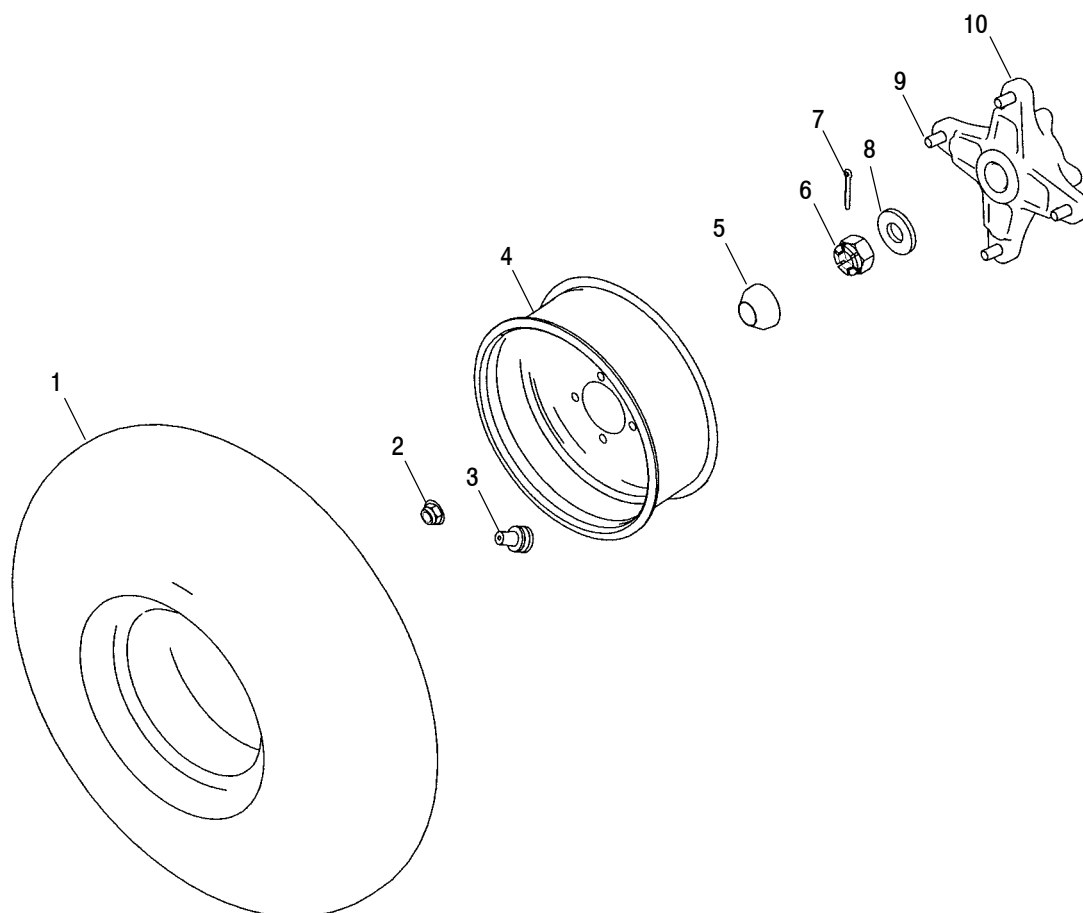


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.    | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 5411164     | 2    | Hub, Dust Cover             |
| 2    | 7542712     | 2    | Nut, Castle                 |
| 3    | 7661401     | 2    | Pin, Cotter                 |
| 4    | 7555721     | 2    | Washer                      |
| 5    | 5133342     | 2    | Spacer, Outer               |
| 6    | 3610090     | 2    | Seal                        |
| 7    | 3514395     | 2    | Bearing, Ball, Sealed       |
| 8    | 5133294-293 | 2    | Hub, Wheel, Front, Indy Red |
| 9    | 7515523     | 8    | Stud                        |
| 10   | 5133343     | 2    | Spacer, Tapered             |

| Ref. | Part No. | Qty. | Description          |
|------|----------|------|----------------------|
| 11   | 3513519  | 2    | Bearing, Ball        |
| 12   | 3610093  | 2    | Seal                 |
| 13   | 5246039  | 2    | Disc, Brake          |
| 14   | 5133341  | 2    | Spacer, Inner        |
| 15   | 7512325  | 8    | Bolt                 |
| 16   | 1520608  | 2    | Rim, Front           |
| 17   | 1525017  | 2    | Valve, Rim           |
| 18   | 7542459  | 8    | Nut, Flange          |
| 19   | 5412158  | 2    | Tire, Front, 21x7-10 |

# **REAR WHEEL** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



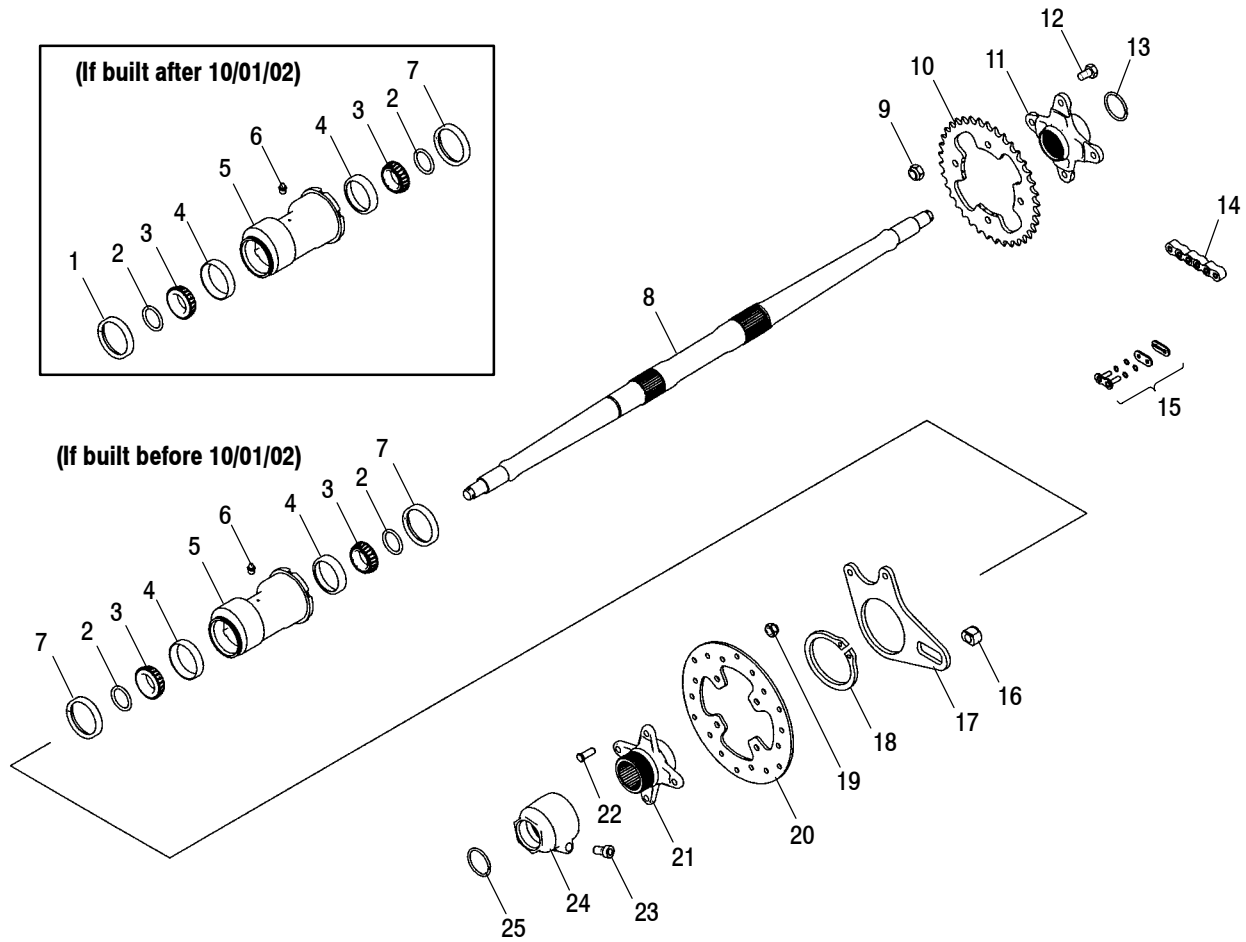
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description          |
|------|----------|------|----------------------|
| 1    | 5412155  | 2    | Tire, Rear, 20x11-10 |
| 2    | 7542459  | 8    | Nut, Flange          |
| 3    | 1525017  | 2    | Valve, Rim           |
| 4    | 1520609  | 2    | Rim, Rear            |
| 5    | 5411164  | 2    | Hub, Cover, Dust     |

| Ref. | Part No.    | Qty. | Description                   |
|------|-------------|------|-------------------------------|
| 6    | 7543005     | 2    | Nut, Castle                   |
| 7    | 7661404     | 2    | Pin, Cotter                   |
| 8    | 7555796     | 2    | Washer, Cone                  |
| 9    | 7515523     | 8    | Stud                          |
| 10   | 1520501-293 | 2    | Hub, Rear, Indy Red (Incl. 9) |

7/02

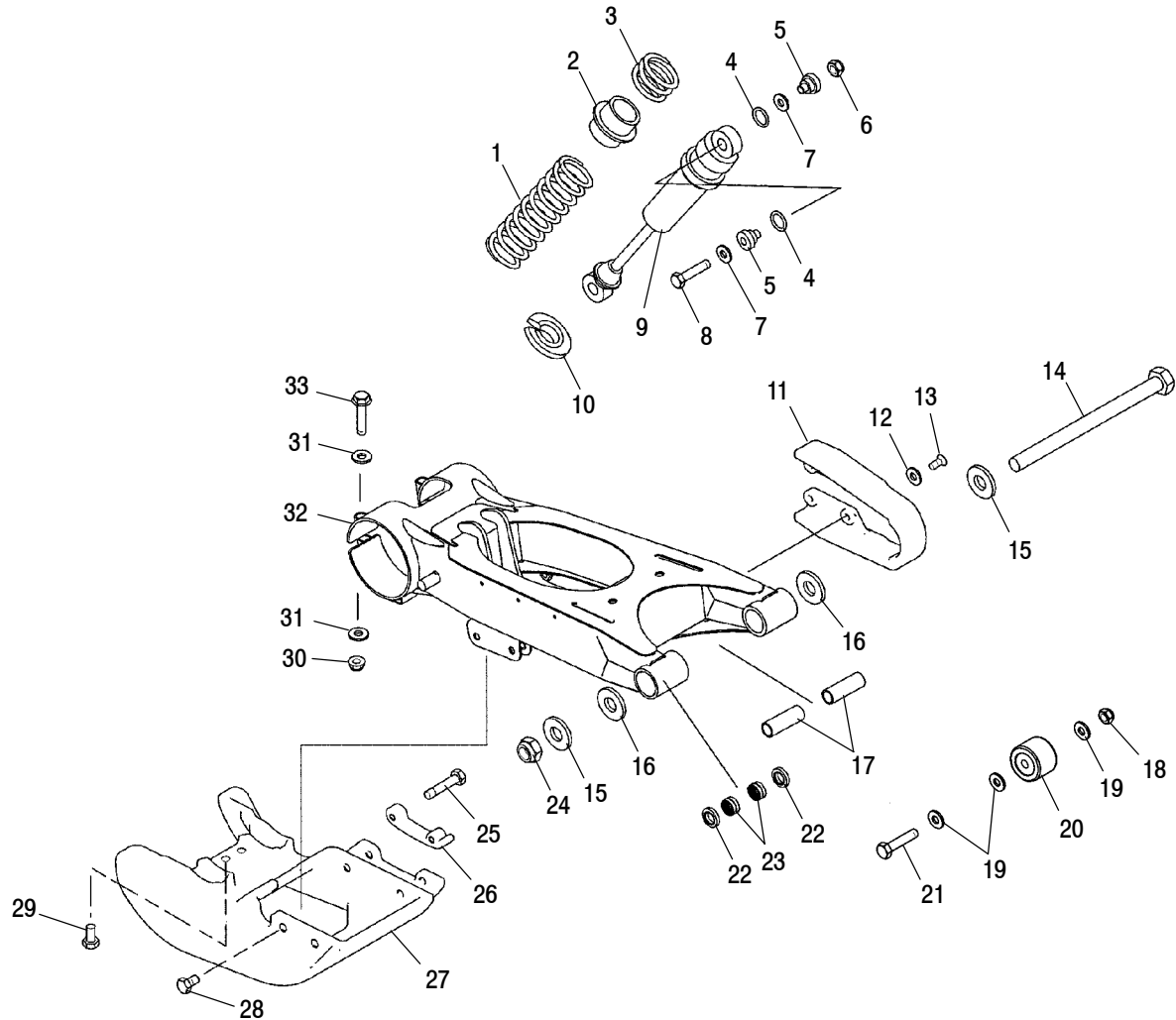
# **REAR AXLE and HOUSING** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                       | Ref. | Part No.    | Qty. | Description  |
|------|----------|------|-----------------------------------|------|-------------|------|--|
| 1    | 3610405  | 1    | Seal (If built after 10/01/02)    | 14   | 3221151-094 | 1    | Chain, 94P   |
| 2    | 5412220  | 2    | O-Ring                            | 15   | 3225028     | 1    | Link, Connector  |
| 3    | 3514393  | 2    | Bearing, Cone, Taper              | 16   | -----       | 1    | Bushing, Caliper (See Rear Brake Pg. B7, Ref. 28)      |
| 4    | 3514394  | 2    | Bearing, Cup, Taper               | 17   | -----       | 1    | Bracket, Caliper Mount (See Rear Brake Pg. B7, Ref. 2) |
| 5    | 5133248  | 1    | Housing, Axle, Rear               | 18   | 7710516     | 1    | Ring, External   |
| 6    | 7080306  | 1    | Fitting, Lubrication              | 19   | 7547217     | 4    | Nut, Nylok   |
| 7    | 3610089  | 2    | Seal (Qty. 1 used after 10/01/02) | 20   | 5246155     | 1    | Disc, Brake  |
| 8    | 5133722  | 1    | Axle, Rear                        | 21   | 5133340     | 1    | Hub, Rear Disc   |
| 9    | 7542439  | 4    | Nut, Nylok                        | 22   | 7512365     | 4    | Screw  |
| 10   | 3221142  | 1    | Sprocket                          | 23   | 7515102     | 1    | Screw  |
| 11   | 5133338  | 1    | Hub, Sprocket                     | 24   | 5133428     | 1    | Nut, Axle  |
| 12   | 7512405  | 4    | Bolt                              | 25   | 7710405     | 1    | Ring, Retaining  |
| 13   | 7670147  | 1    | Ring, Retaining                   |      |             |      |  |

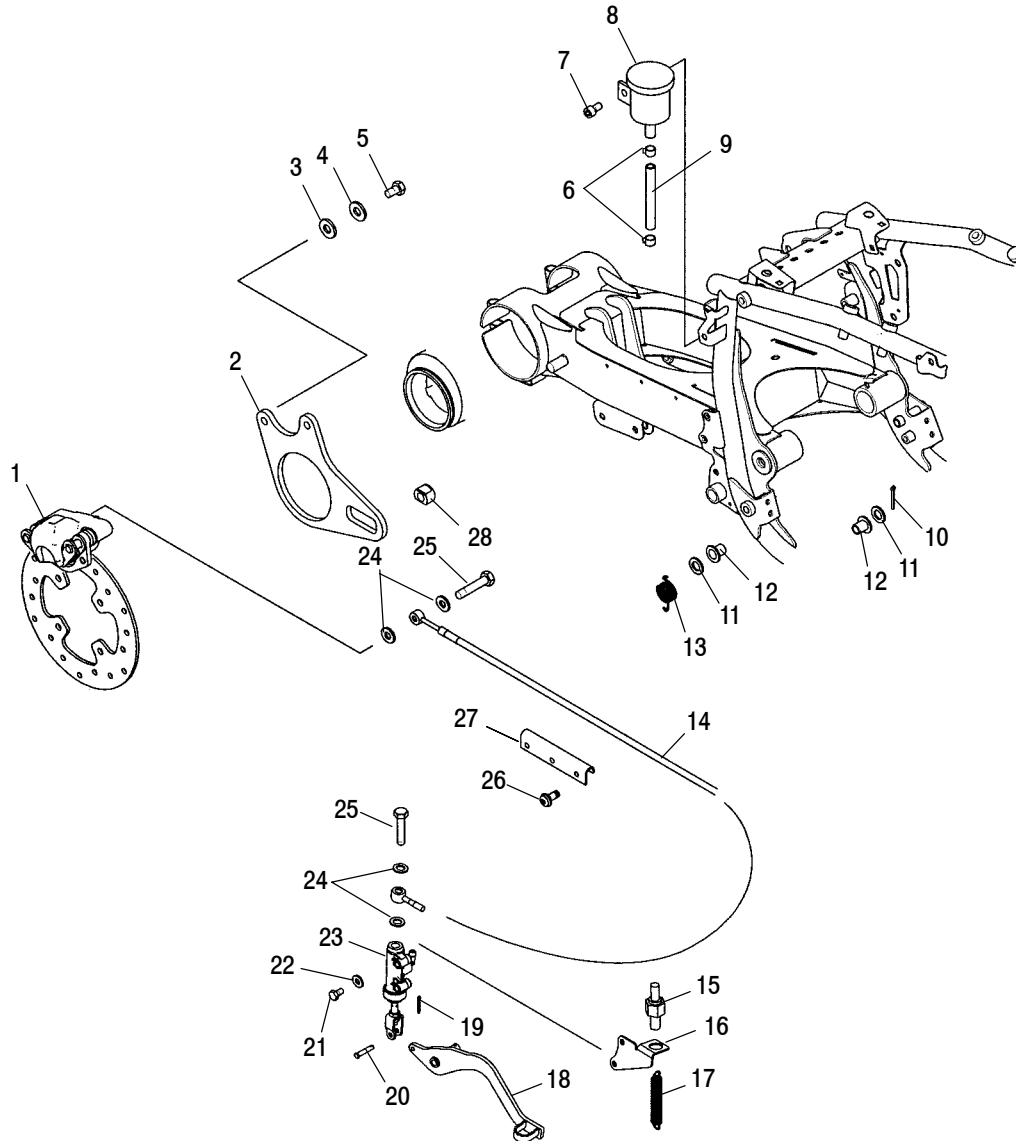
# **SWING ARM and REAR SHOCK** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.    | Qty. | Description                                   | Ref. | Part No.    | Qty. | Description  |
|------|-------------|------|---|------|-------------|------|--|
| 1    | 7042114-293 | 1    | Spring, Compression, Red                      | 17   | 5133796     | 2    | Spacer   |
| 2    | 5510468     | 1    | Spacer  | 18   | 7542324     | 1    | Nut, Nylok   |
| 3    | 7042116-293 | 1    | Spring, Compression, Red                      | 19   | 7558402     | 5    | Washer, Flat   |
| 4    | 5412290     | 4    | O-Ring  | 20   | 1590360     | 2    | Roller, Chain  |
| 5    | 5334195     | 4    | Reducer                                       | 21   | 7515384     | 1    | Screw (Upper)  |
| 6    | 7547066     | 2    | Nut, Nylok                                    |      | 7515301     | 1    | Screw (Lower)  |
| 7    | 7555984     | 2    | Washer, Flat (Top Mount Only)                 | 22   | 3610104     | 4    | Seal   |
| 8    | 7518207     | 2    | Screw   | 23   | 3554202     | 4    | Bearing, Needle                                      |
| 9    | 7042115     | 1    | Shock, Rear                                   | 24   | -----       | 1    | Nut, Nylok<br>(See Engine Mounting Pg. A12, Ref. 20) |
| 10   | -----       | 1    | Retainer<br>(See Rear Shock Pg. C2, Ref. 64)  | 25   | 7518180     | 2    | Screw  |
| 11   | 5434733     | 1    | Slide, Chain                                  | 26   | 5434734     | 1    | Guide, Chain   |
| 12   | 7555792     | 4    | Washer  | 27   | 5434809     | 1    | Guard, Sprocket/Brake                                |
| 13   | 7512018     | 4    | Screw   | 28   | 7518181     | 2    | Screw  |
| 14   | -----       | 1    | Bolt<br>(See Engine Mounting Pg. A12, Ref. 4) | 29   | 7518179     | 2    | Screw  |
| 15   | -----       | 2    | Washer (See Engine Mounting Pg. A12, Ref. 3)  | 30   | 7542439     | 2    | Nut, Nylok   |
| 16   | 5434754     | 2    | Bushing, Thrust                               | 31   | 7555832     | 4    | Washer   |
|      |             |      |   | 32   | 1541736-385 | 1    | Asm., Swing Arm, Silver (Incl. 17,22,23)             |
|      |             |      |   | 33   | 7515417     | 2    | Screw  |

# **REAR BRAKE** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**

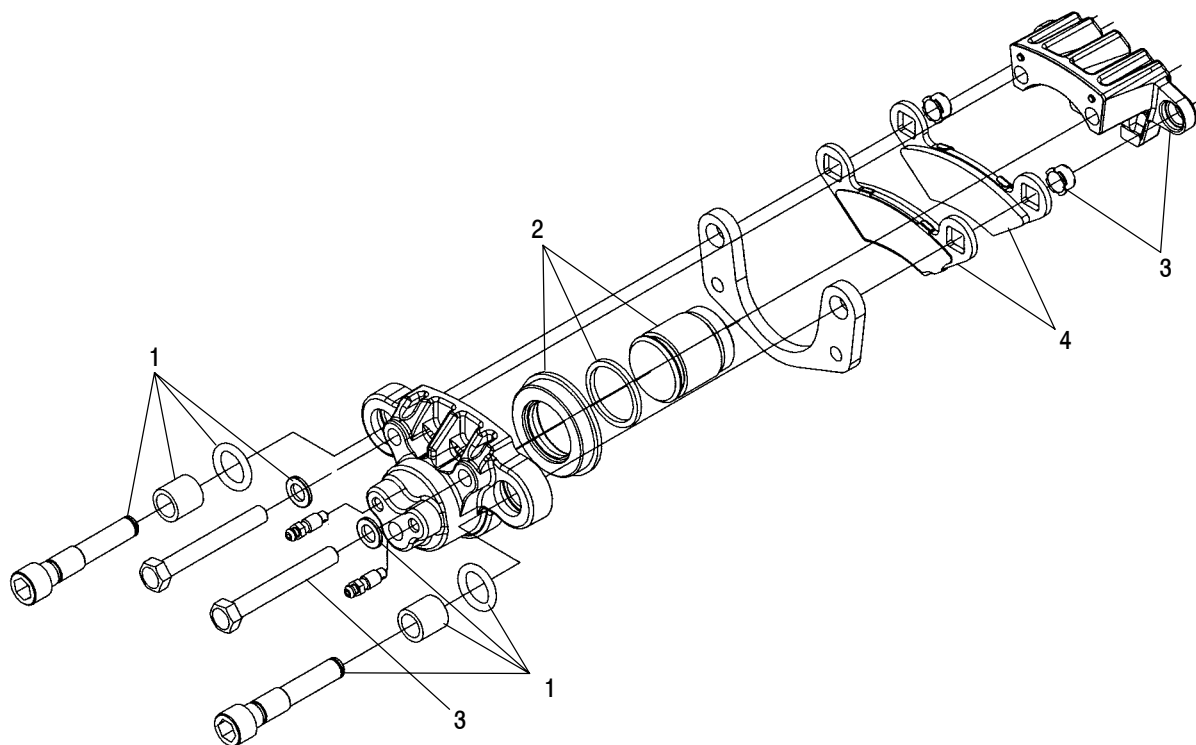


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                 |
|------|----------|------|-----------------------------|
| 1    | 1910689  | 1    | Asm., Caliper               |
| 2    | 5245939  | 1    | Mount, Caliper              |
| 3    | 7558402  | 2    | Washer, Flat                |
| 4    | 7552901  | 2    | Washer, Spring Lock         |
| 5    | 7515335  | 2    | Screw                       |
| 6    | 7080003  | 2    | Clamp, Hose, Red            |
| 7    | 7517560  | 1    | Screw                       |
| 8    | 1930854  | 1    | Asm., Reservoir             |
| 9    | 1910438  | 1    | Hose                        |
| 10   | 7661401  | 1    | Pin, Cotter                 |
| 11   | 7555919  | 2    | Washer                      |
| 12   | 5431107  | 2    | Bushing                     |
| 13   | 7042185  | 1    | Spring, Torsion, Foot Brake |
| 14   | 1910583  | 1    | Line, Brake                 |

| Ref. | Part No.    | Qty. | Description                         |
|------|-------------|------|-------------------------------------|
| 15   | 4010824     | 1    | Switch                              |
| 16   | 5246844-385 | 1    | Bracket, Brake Switch Mount, Silver |
| 17   | 7042252     | 1    | Spring, Brake, Rear                 |
| 18   | 1013704-385 | 1    | Brake, Foot, Silver                 |
| 19   | 7661103     | 1    | Pin, Cotter                         |
| 20   | 7661013     | 1    | Pin, Clevis                         |
| 21   | 7512126     | 2    | Screw                               |
| 22   | 7552801     | 1    | Washer, Spring Lock                 |
| 23   | 1910627     | 1    | Cylinder, Master                    |
| 24   | 5410988     | 4    | Seal                                |
| 25   | 1910499     | 2    | Bolt, Banjo                         |
| 26   | 7512084     | 3    | Screw                               |
| 27   | 5434881     | 1    | Retainer, Brake Line, Rear          |
| 28   | 5131759     | 1    | Bushing, Caliper Mount              |

# **FRONT and REAR CALIPERS** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**

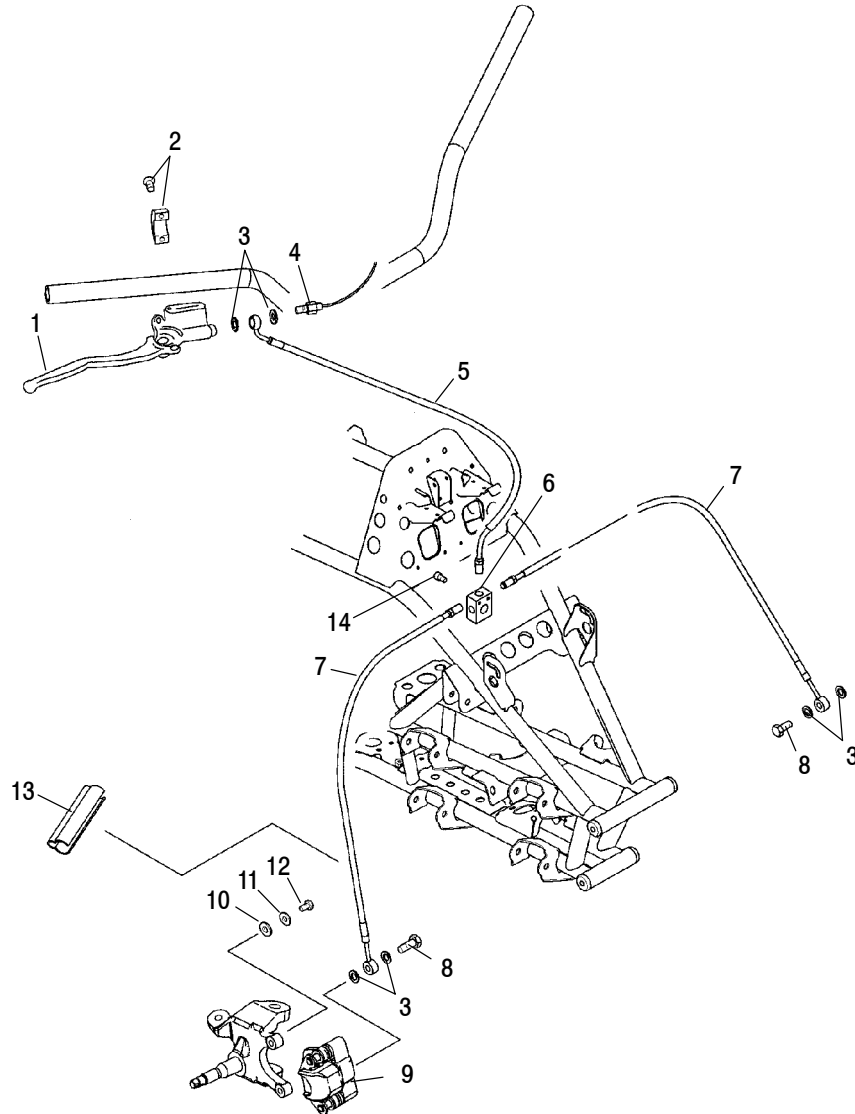


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description   |
|------|----------|------|---|
|      | 1910689  | 3    | Asm., Caliper (Incl. All)                                       |
| 1    | 2201870  | 1    | Kit, Bolt (Incl. Slide Bolts, Sleeves, O-Rings, Bushings, Clip) |
| 2    | 2202402  | 1    | Kit, Piston and Seals (Incl. Piston, Seals, Dust Boot)          |

| Ref. | Part No. | Qty. | Description                                 |
|------|----------|------|---|
| 3    | 2202403  | 1    | Kit, Anvil (Incl. Anvil, Bushing, Hardware) |
| 4    | 2202412  | 1    | Kit, Brake Pad Asm., Front (2 Sets)         |

# **FRONT BRAKE** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



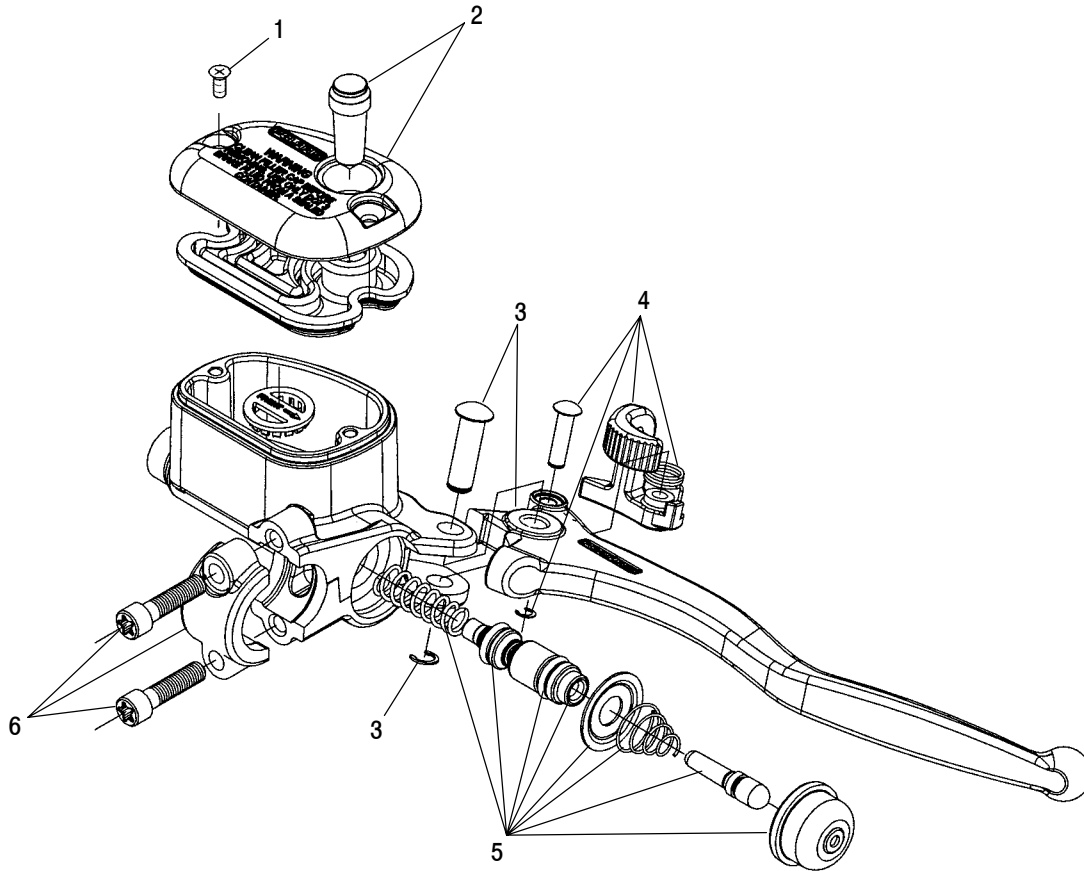
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description  |
|------|----------|------|--|
| 1    | 1910590  | 1    | Asm., Master Cylinder  |
| 2    | -----    | 1    | Kit, Master Cylinder Clamp (See Front Brake Master Cylinder Pg. B10, Ref. 6) |
| 3    | 5410988  | 6    | Seal   |
| 4    | 4010758  | 1    | Switch, Pressure   |
| 5    | 1910586  | 1    | Line, Brake  |
| 6    | 7052338  | 1    | Fitting  |
| 7    | 1910585  | 2    | Line, Brake, Caliper   |

| Ref. | Part No. | Qty. | Description                 |
|------|----------|------|-----------------------------|
| 8    | 1910499  | 2    | Bolt, Banjo                 |
| 9    | 1910689  | 2    | Asm., Caliper               |
| 10   | 7558402  | 4    | Washer, Flat                |
| 11   | 7552901  | 4    | Washer, Spring Lock         |
| 12   | 7512365  | 4    | Screw                       |
| 13   | 5434880  | 2    | Retainer, Brake Line, Front |
| 14   | 7512024  | 2    | Screw                       |

# FRONT BRAKE MASTER CYLINDER

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description   | Ref. | Part No. | Qty. | Description   |
|------|----------|------|---|------|----------|------|---|
|      | 1910590  | 1    | Asm., Master Cylinder (Incl. All)                                 | 4    | 2202408  | 1    | Kit, Master Cylinder Park Brake Lever (Incl. Lever, Spring) |
| 1    | 7517899  | 2    | Screw   | 5    | 2202407  | 1    | Kit, Piston (Incl. Pistons, Seals, Dust Boot, Spring)       |
| 2    | 2202405  | 1    | Kit, Master Cylinder Cap (Incl. Cap, Screws, Sight Glass, Gasket) | 6    | 2202409  | 1    | Kit, Master Cylinder Clamp (Incl. Clamp, Screws)            |
| 3    | 2202406  | 1    | Kit, Master Cylinder Lever (Incl. Pin, Lever, Clip)               |      |          |      |   |

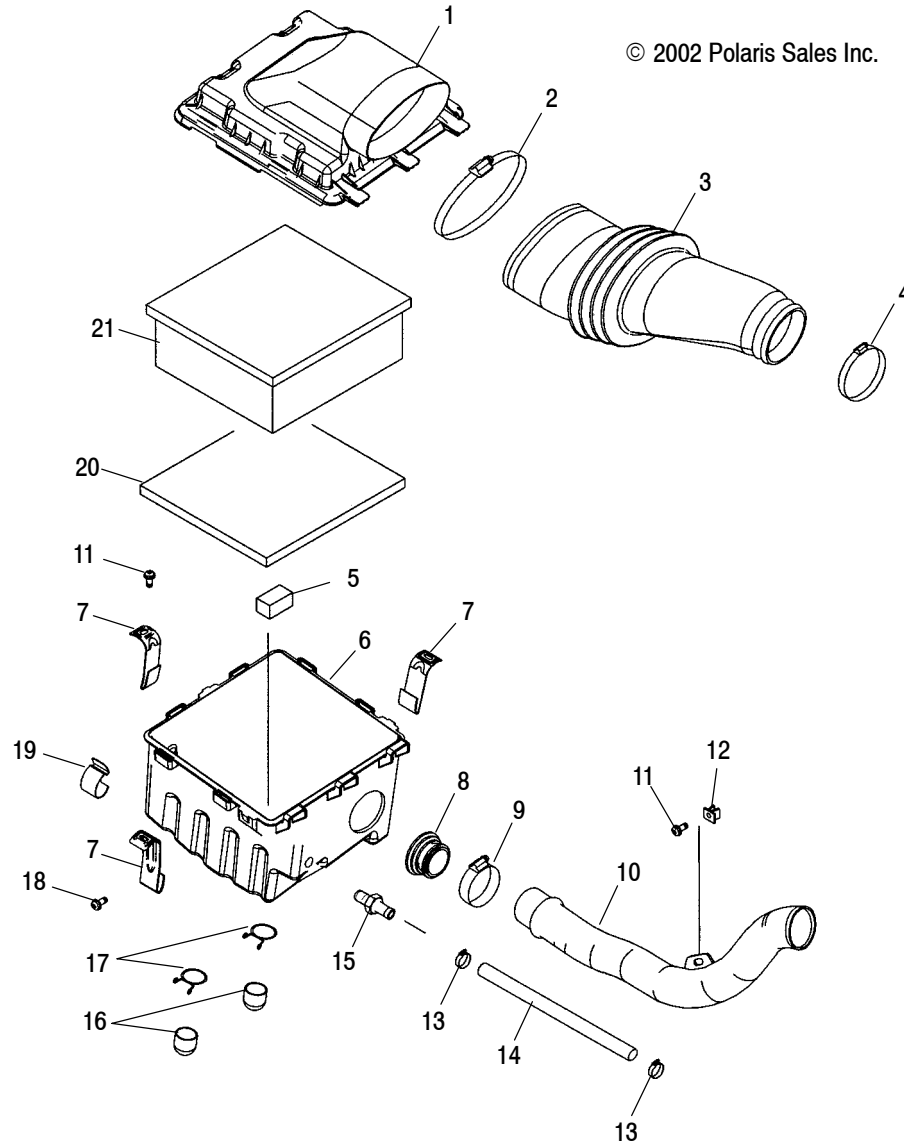
7/02



# AIR INTAKE

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

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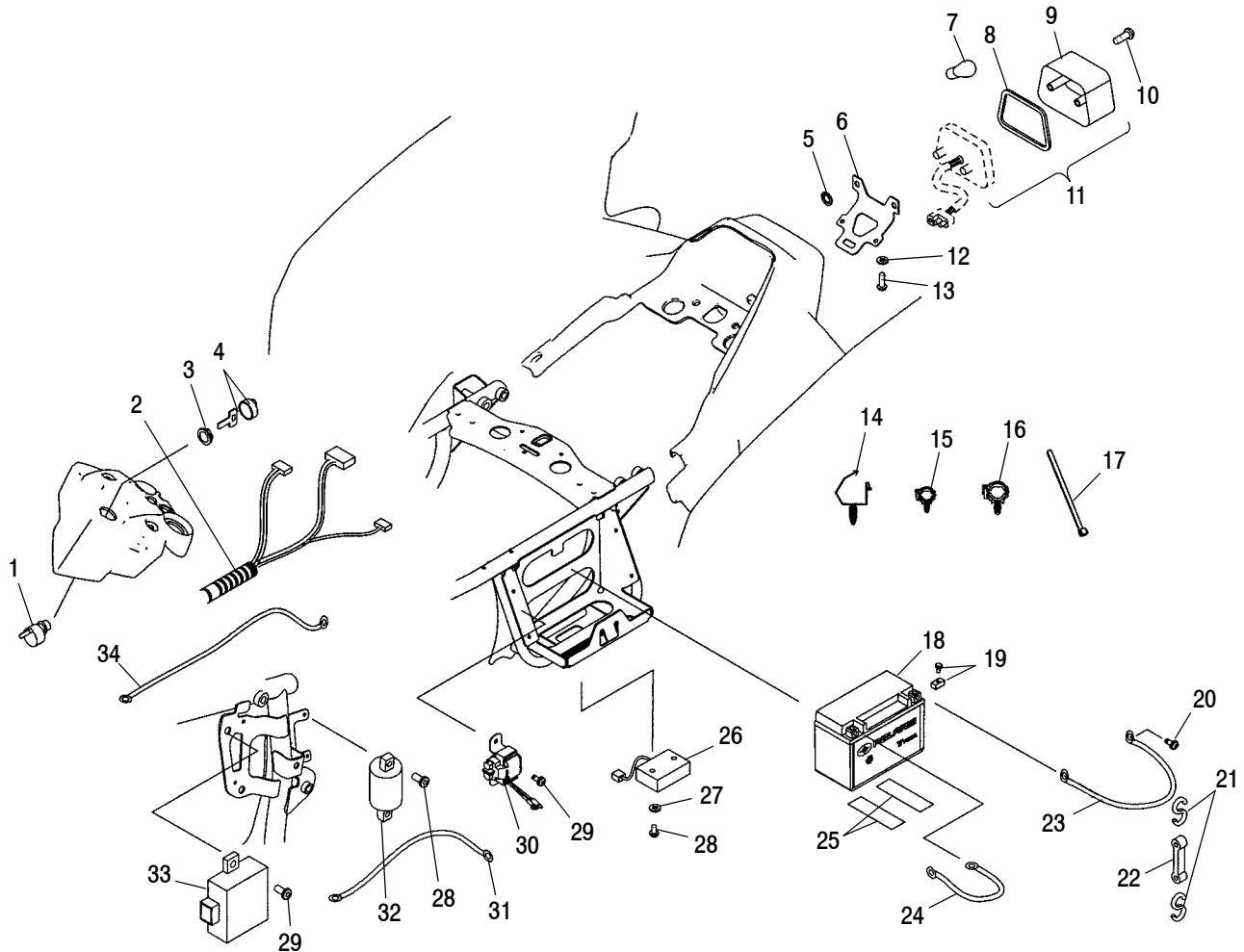
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description             |
|------|----------|------|-------------------------|
| 1    | 5434449  | 1    | Cover, Airbox           |
| 2    | 7081041  | 1    | Clamp                   |
| 3    | 5434472  | 1    | Duct, Airbox/Carburetor |
| 4    | 7080413  | 1    | Clamp, Narrow Band      |
| 5    | 5812361  | 1    | Filter, Crankcase       |
| 6    | 5434448  | 1    | Housing                 |
| 7    | 5334128  | 3    | Bracket, Airbox         |
| 8    | 5412221  | 1    | Boot                    |
| 9    | 7080140  | 1    | Clamp                   |
| 10   | 5434450  | 1    | Duct, Intake            |
| 11   | 7512084  | 4    | Screw                   |

| Ref. | Part No. | Qty. | Description        |
|------|----------|------|--------------------|
| 12   | 7670127  | 1    | Clip               |
| 13   | 7080474  | 2    | Clamp, Hose        |
| 14   | 8450096  | AR   | Line               |
| 15   | 7052336  | 1    | Fitting, Barbed    |
| 16   | 5411765  | 2    | Cap, Drain         |
| 17   | 7080865  | 2    | Clamp, Single Wire |
| 18   | 7518165  | 3    | Screw              |
| 19   | 7670117  | 8    | Clip, Airbox       |
| 20   | 5812328  | 1    | Foam, Airbox       |
| 21   | 5830226  | 1    | Filter, Airbox     |

# ELECTRICAL

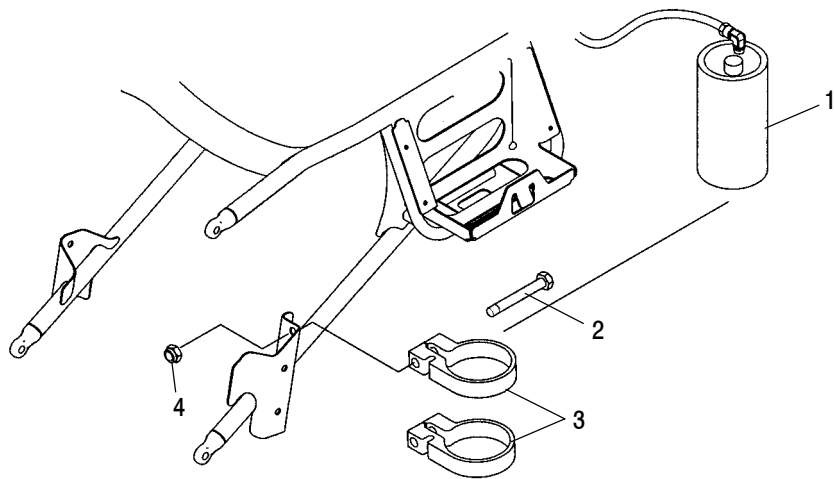
## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No.           | Qty.   | Description  | Ref. | Part No.           | Qty.   | Description   |
|------|--------------------|--------|--|------|--------------------|--------|---|
| 1    | 4110264            | 1      | Switch, Ignition   | 17   | 7080138            | 15     | Cable Tie   |
| 2    | 2461007            | 1      | Harness, Main  | 18   | 4010678            | 1      | Battery   |
| 3    | 5433733            | 1      | Nut, Ignition Switch   | 19   | 2202213            | 2      | Kit, Battery Bolt   |
| 4    | 4110264<br>4010278 | 1<br>1 | Asm., Switch Ignition<br>Key, Blank NOTE: Your key can be duplicated only by obtaining a key blank from Polaris and having it cut by mating it with your existing key. | 20   | 7515199<br>7512084 | 1<br>1 | Screw (If built before 10/01/02)<br>Screw (If built after 10/01/02) |
| 5    | 7670054            | 2      | Nut, Speed   | 21   | 7081123            | 2      | Hook, Battery Strap   |
| 6    | 5246577-385        | 1      | Bracket, Taillight, Silver   | 22   | 5410608            | 1      | Strap, Rubber   |
| 7    | 4010828            | 1      | Bulb   | 23   | 4010883            | 1      | Cable, Black  |
| 8    | 4032045            | 1      | Gasket   | 24   | 4010884            | 1      | Cable, Battery/Solenoid, Red  |
| 9    | 4032046            | 1      | Lens   | 25   | 5810317            | 3      | Pad   |
| 10   | 4032029            | 2      | Screw  | 26   | 4010654            | 1      | Rectifier, Regulator  |
| 11   | 2410367            | 1      | Asm., Taillight (Incl. 7-10)   | 27   | 7555799            | 2      | Washer  |
| 12   | 7571602            | 2      | Washer, Lock   | 28   | 7512018            | 4      | Screw   |
| 13   | 7512076            | 2      | Screw  | 29   | 7512084            | 5      | Screw   |
| 14   | 7670109            | 1      | Clip, Routing  | 30   | 3087198            | 1      | Switch, Magnetic  |
| 15   | 4020139            | 2      | Clip, Rosebud (Small)  | 31   | 4010093            | 1      | Cable, Solenoid/Starter   |
| 16   | 4020149            | 2      | Clip, Rosebud (Large)  | 32   | 3088053            | 1      | Coil, Ignition  |
|      |                    |        |  | 33   | 3088052            | 1      | CDI   |
|      |                    |        |  | 34   | 4010882            | 1      | Cable, Black  |

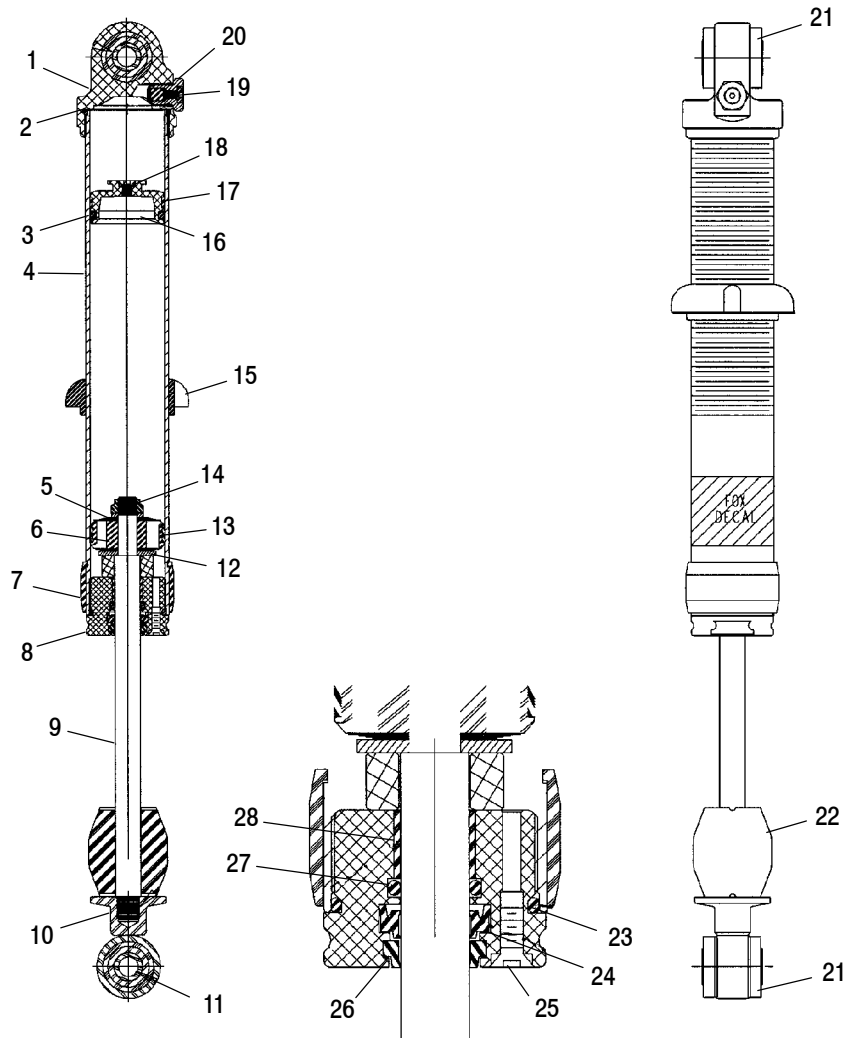
**REAR SHOCK RESERVOIR MOUNTING**  
**PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



| Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly. |         |   |                  |
|--|---------|---|------------------|
| Ref. Part No. Qty. Description   |         |   |                  |
| 1  | -----   | 1 | Reservoir, Shock |
| 2  | 7515319 | 2 | Screw            |

| Ref. Part No. Qty. Description |         |   |            |
|--------------------------------|---------|---|------------|
| 3                              | 5132968 | 2 | Clamp      |
| 4                              | 7542324 | 2 | Nut, Nylok |

# **FRONT SHOCK** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**

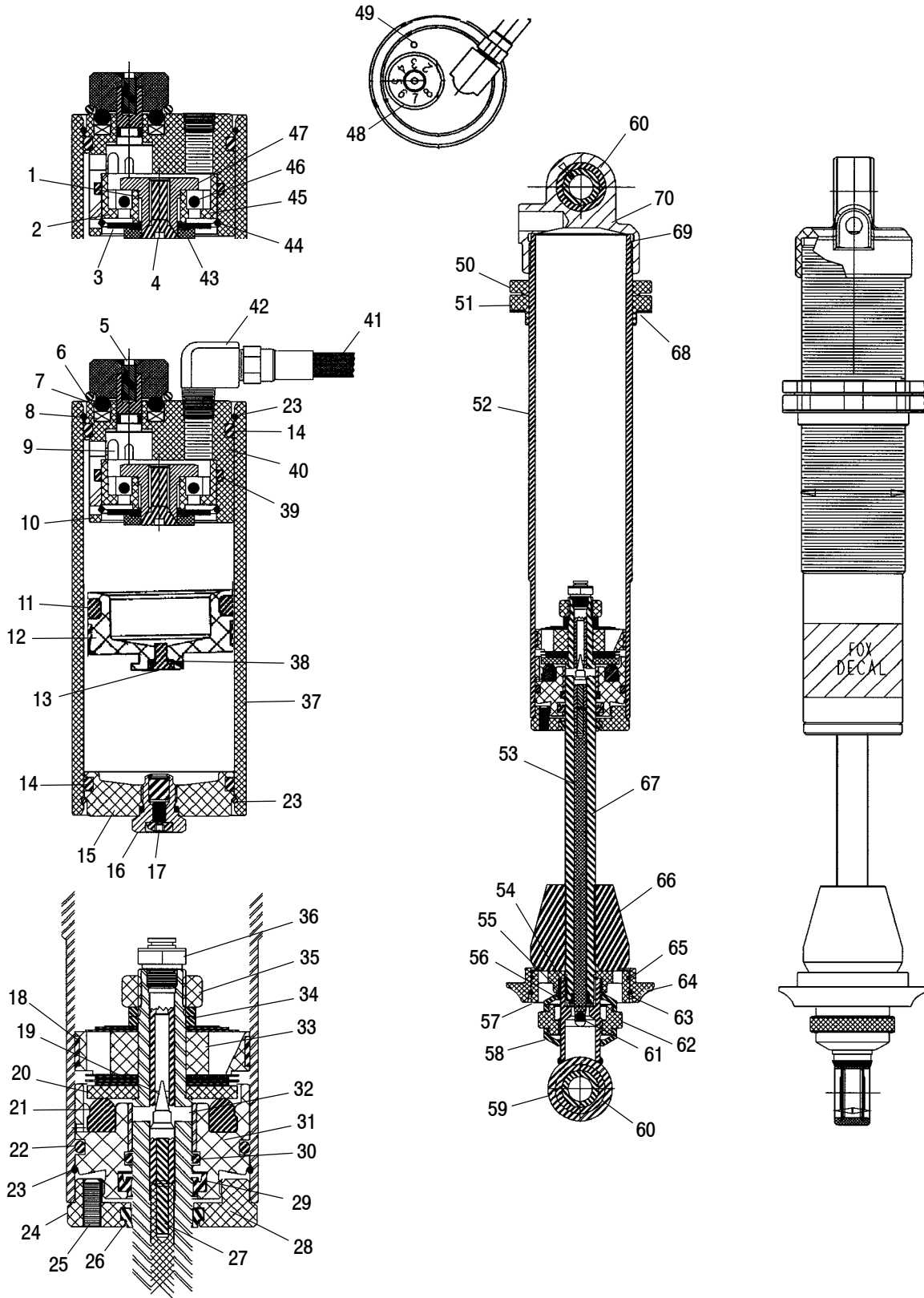


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description          |
|------|----------|------|----------------------|
|      | 7042117  | 1    | Shock, IFP, Front    |
| 1    | 1500288  | 1    | Cap, Body            |
| 2    | 1500108  | 1    | O-Ring               |
| 3    | 1500180  | 1    | O-Ring               |
| 4    | 1500498  | 1    | Body                 |
| 5    | 1500015  | 1    | Plate, Back-Up       |
| 6    | 1500495  | 1    | Piston               |
| 7    | 1500492  | 1    | Guide, Spring        |
| 8    | 1500285  | 1    | Bearing              |
| 9    | 1500493  | 1    | Shaft                |
| 10   | 1500013  | 1    | Asm., Eyelet         |
| 11   | 1500497  | 2    | Sleeve               |
| 12   | 1500017  | 1    | Plate, Top-Out       |
| 13   | 1500002  | 1    | Bearing, External    |
| 14   | 1500016  | 1    | Nut, Lock            |
| 15   | 1500494  | 1    | Ring, Preload, Nylon |

|    |         |   |                                 |
|----|---------|---|---------------------------------|
| 16 | 1500275 | 1 | Asm., Floating Piston (Incl. 3) |
|    | 1500011 | 1 | Piston, Floating                |
| 17 | 1500006 | 1 | Bearing, External               |
| 18 | 1500161 | 1 | Screw w/O-Ring                  |
|    | 1500022 | 1 | O-Ring                          |
| 19 | 1500019 | 1 | Screw                           |
| 20 | 1500014 | 1 | Valve, Air                      |
| 21 | 1500103 | 4 | Bushing                         |
| 22 | 1500491 | 1 | Bumper, Bottom/Out              |
| 23 | 1500020 | 1 | O-Ring                          |
| 24 | 1500266 | 1 | U-Cup                           |
| 25 | 1500287 | 1 | Screw                           |
|    | 1500022 | 1 | O-Ring                          |
| 26 | 1500268 | 1 | Wiper                           |
| 27 | 1500496 | 1 | O-Ring                          |
| 28 | 1500488 | 1 | Bearing, Internal               |

# **REAR SHOCK** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



# REAR SHOCK

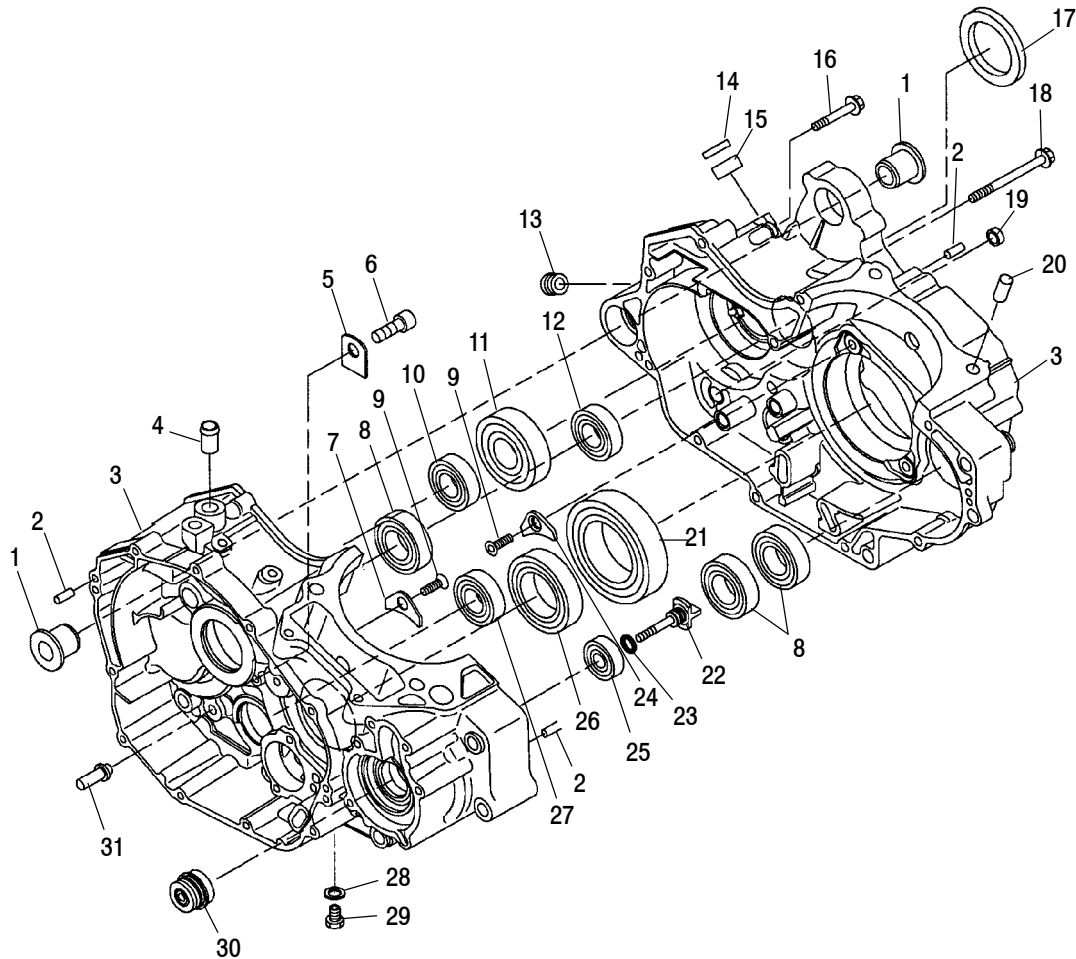
## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

| Ref. | Part No. | Qty. | Description                   |
|------|----------|------|-------------------------------|
|      | 7042115  | 1    | Shock, Remote Reservoir, Rear |
| 1    | 1500222  | 1    | Valve                         |
| 2    | 1500532  | 1    | Plate, Damp                   |
| 3    | 1500221  | 5    | Valve                         |
| 4    | 1500252  | 1    | Screw                         |
| 5    | 1500223  | 1    | Screw                         |
| 6    | 1500253  | 1    | O-Ring                        |
| 7    | 1500226  | 2    | Ball                          |
| 8    | 1500225  | 2    | Spring                        |
| 9    | 1500254  | 1    | Drum, Damping                 |
| 10   | 1500522  | 1    | Housing, CD                   |
| 11   | 1500208  | 1    | O-Ring                        |
| 12   | 1500515  | 1    | Piston, Floating              |
| 13   | 1500161  | 1    | Screw w/O-Ring                |
| 14   | 1500228  | 2    | O-Ring                        |
| 15   | 1500514  | 1    | Asm., Reservoir End Cap       |
| 16   | 1500014  | 1    | Valve, Air                    |
| 17   | 1500019  | 1    | Screw                         |
| 18   | 1500230  | 2    | Bearing                       |
| 19   | 1500543  | 1    | Needle, Damping Adjust        |
| 20   | 1500470  | 1    | Plate, Top/Out                |
| 21   | 1500298  | 1    | Bumper, Top/Out               |
| 22   | 1500228  | 1    | O-Ring                        |
| 23   | 1500236  | 3    | Ring, Retaining               |
| 24   | 1500526  | 1    | Cap, Bearing                  |
| 25   | 1500528  | 1    | Screw                         |
| 26   | 1500527  | 1    | Wiper                         |
| 27   | 1500501  | 1    | Pin, Spring                   |
| 28   | 1500525  | 1    | Bearing                       |
| 29   | 1500513  | 1    | U-Cup                         |
| 30   | 1500512  | 1    | O-Ring                        |
| 31   | 1500511  | 1    | Bearing                       |
| 32   | 1500260  | 1    | Bearing, Internal             |
| 33   | 1500517  | 1    | Piston, Damping               |
| 34   | 1500516  | 2    | Plate, Back-Up                |
| 35   | 1500472  | 1    | Nut, Lock                     |

| Ref. | Part No. | Qty. | Description                          |
|------|----------|------|--------------------------------------|
| 36   | 1500534  | 1    | Jet                                  |
| 37   | 1500518  | 1    | Reservoir                            |
| 38   | 1500022  | 1    | O-Ring                               |
| 39   | 1500227  | 1    | O-Ring                               |
| 40   | 1500519  | 1    | Housing, Damping                     |
| 41   | 1500533  | 1    | Hose                                 |
| 42   | 1500107  | 2    | Fitting, Elbow, 90 Degree            |
| 43   | 1500251  | 1    | Washer                               |
| 44   | 1500233  | 1    | Ring, Retaining                      |
| 45   | 1500531  | 1    | Asm., Damping Adjust                 |
| 46   | 1500226  | 2    | Ball                                 |
| 47   | 1500250  | 1    | Bolt                                 |
| 48   | 1500521  | 1    | Knob, Damping                        |
| 49   | 1500520  | 1    | Pin, Dowel                           |
| 50   | 1500506  | 1    | Ring, Preload                        |
| 51   | 1500505  | 1    | Ring, Preload                        |
| 52   | 1500529  | 1    | Body                                 |
| 53   | 1500530  | 1    | Rod, Metering                        |
| 54   | 1500503  | 1    | O-Ring                               |
| 55   | 1500508  | 1    | Washer, Brass                        |
| 56   | 1500502  | 1    | Ring, Snap                           |
| 57   | 1500540  | 1    | Spring, Retainer Adapter             |
| 58   | 1500536  | 2    | Cover, Dust                          |
| 59   | 1500535  | 1    | Adjust, RD (Incl. 57,58,61,62,63,65) |
|      | 1500541  | 1    | Extension, Eyelet                    |
| 60   | 1500524  | 2    | Bearing, Spherical                   |
|      | 1500523  | 1    | Ring, Snap                           |
| 61   | 1500539  | 1    | Pin, Dowel                           |
| 62   | 1500542  | 1    | Knob, 12 Click                       |
| 63   | 1500538  | 1    | Wire, Retaining Ring                 |
| 64   | 1500507  | 1    | Retainer, Spring                     |
| 65   | 1500537  | 1    | O-Ring                               |
| 66   | 1500499  | 1    | Bumper, Bottom/Out                   |
| 67   | 1500504  | 1    | Shaft                                |
| 68   | 1500500  | 1    | Washer, Thrust                       |
| 69   | 1500510  | 1    | O-Ring                               |
| 70   | 1500509  | 1    | Asm., Body Cap                       |

# CRANKCASE

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



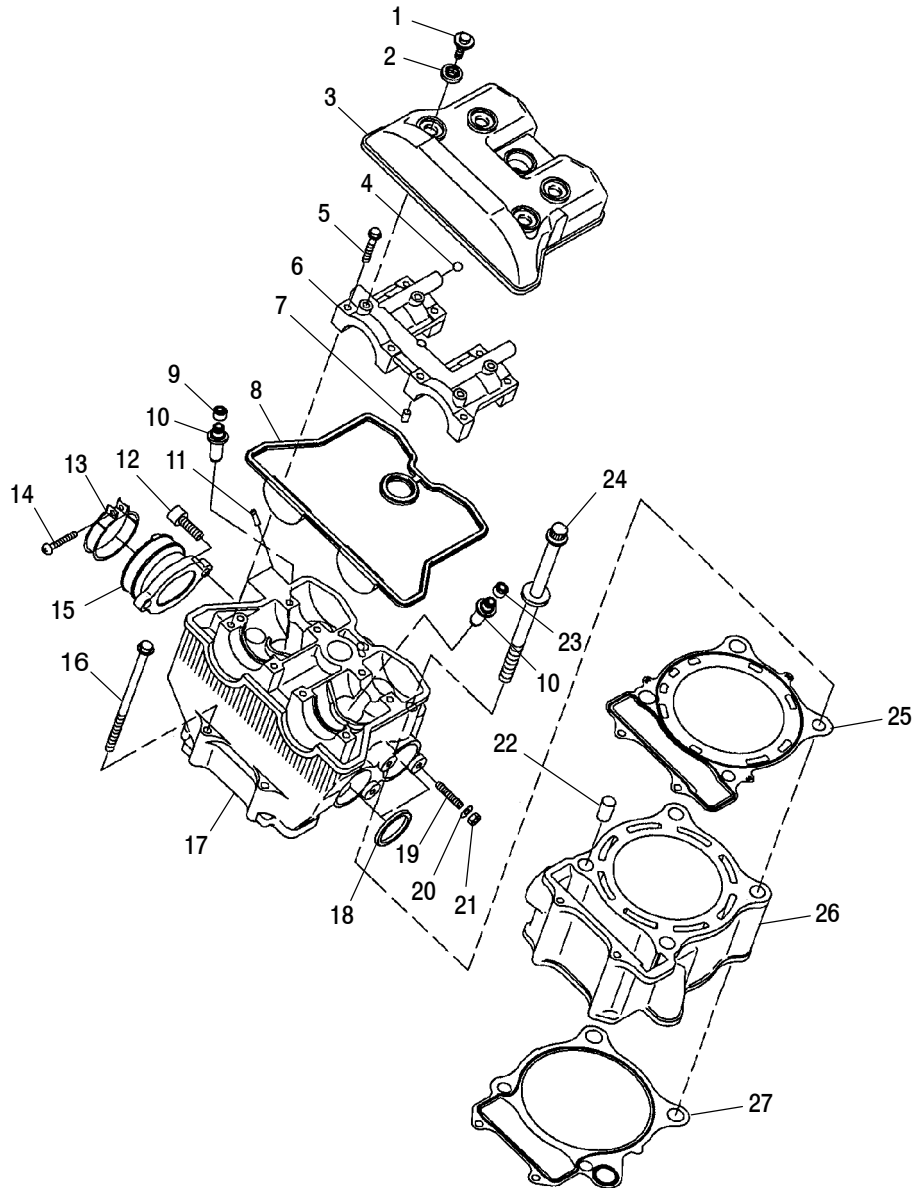
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                                     |
|------|----------|------|---|
| 1    | 3087930  | 2    | Collar  |
| 2    | 3080103  | 6    | Pin, Dowel                                      |
| 3    | 3087923  | 1    | Asm., Crankcase<br>(Incl. all less 16,18,28,29) |
| 4    | 3085525  | 1    | Breather, Pipe, Air                             |
| 5    | 3088138  | 1    | Plate, Stopper                                  |
| 6    | 3088050  | 1    | Bolt  |
| 7    | 3087939  | 2    | Plate   |
| 8    | 3088137  | 3    | Bearing, Ball                                   |
| 9    | 3087932  | 4    | Screw   |
| 10   | 3087935  | 1    | Bearing, Ball                                   |
| 11   | 3087929  | 1    | Bearing, Ball                                   |
| 12   | 3087928  | 1    | Bearing, Ball                                   |
| 13   | 3084862  | 1    | Plug, Blind                                     |
| 14   | 3087926  | 1    | Seal, Oil                                       |
| 15   | 3087925  | 1    | Bearing, Release                                |

| Ref. | Part No. | Qty. | Description                     |
|------|----------|------|---------------------------------|
| 16   | 3086412  | 6    | Bolt, Flange                    |
| 17   | 3086510  | 1    | Seal, Oil                       |
| 18   | 3087940  | 6    | Bolt, Flange                    |
| 19   | 3087927  | 1    | Seal, Oil                       |
| 20   | 3087266  | 2    | Knock, Pipe                     |
| 21   | 3087924  | 1    | Bearing, Ball                   |
| 22   | 3087936  | 1    | Shaft, Water Pump (Incl. 23,25) |
| 23   | 3087938  | 1    | O-Ring                          |
| 24   | 3087931  | 2    | Plate                           |
| 25   | 3087937  | 1    | Bearing, Ball                   |
| 26   | 3087933  | 1    | Bearing, Roller                 |
| 27   | 3087934  | 1    | Bearing, Ball                   |
| 28   | 3082956  | 1    | Gasket                          |
| 29   | 3083453  | 1    | Plug                            |
| 30   | 3084837  | 1    | Seal, Mechanical                |
| 31   | 3086195  | 1    | Pin, Stopper                    |

# CYLINDER

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



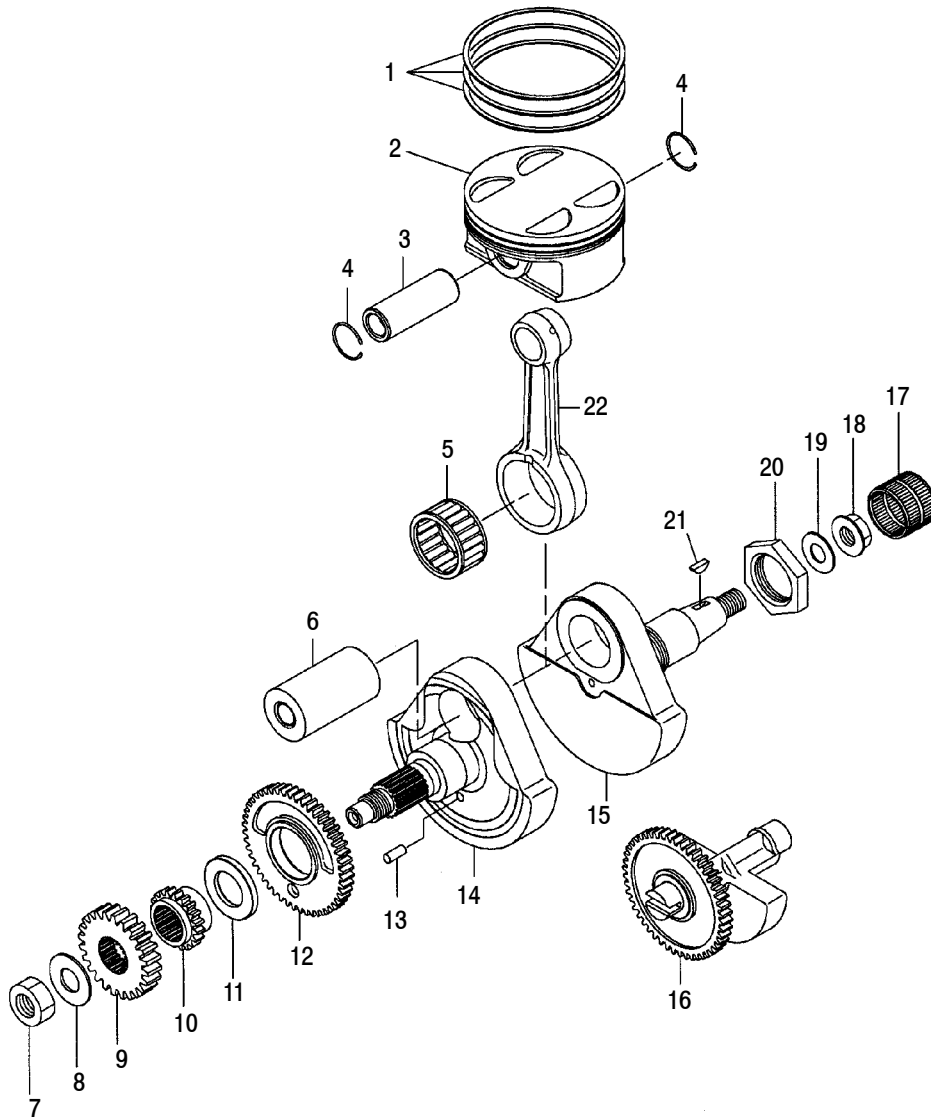
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description            |
|------|----------|------|------------------------|
| 1    | 3087954  | 4    | Bolt                   |
| 2    | 3087951  | 4    | Mount, Rubber          |
| 3    | 3087949  | 1    | Cover, Head            |
| 4    | 3085024  | 3    | Ball, Steel            |
| 5    | 3086412  | 8    | Bolt, Flange           |
| 6    | 3087945  | 1    | Support, Cam (Incl. 7) |
| 7    | 3086410  | 2    | Pin, Straight          |
| 8    | 3087950  | 1    | O-Ring                 |
| 9    | 3087947  | 2    | Seal, Intake Valve     |
| 10   | 3087944  | 4    | Valve, Guide           |
| 11   | 3083798  | 1    | Pipe, Pulse            |
| 12   | 3081330  | 2    | Bolt                   |
| 13   | 3087956  | 1    | Asm., Band (Incl. 14)  |
| 14   | 3081497  | 1    | Screw                  |

| Ref. | Part No. | Qty. | Description                                   |
|------|----------|------|---|
| 15   | 3087955  | 1    | Adapter                                       |
| 16   | 3087953  | 2    | Bolt, Flange                                  |
| 17   | 3087943  | 1    | Asm., Cylinder Head<br>(Incl. 4-7,9-11,19,23) |
| 18   | 3087957  | 2    | Gasket  |
| 19   | 3085326  | 4    | Stud  |
| 20   | 3080530  | 4    | Washer, Lock                                  |
| 21   | 3087199  | 4    | Nut   |
| 22   | 3087266  | 2    | Knock, Pipe                                   |
| 23   | 3087946  | 2    | Seal, Valve                                   |
| 24   | 3087952  | 4    | Bolt and Washer                               |
| 25   | 3087948  | 1    | Gasket  |
| 26   | 3087941  | 1    | Cylinder                                      |
| 27   | 3087942  | 1    | Gasket  |



# **CRANKSHAFT and PISTON** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



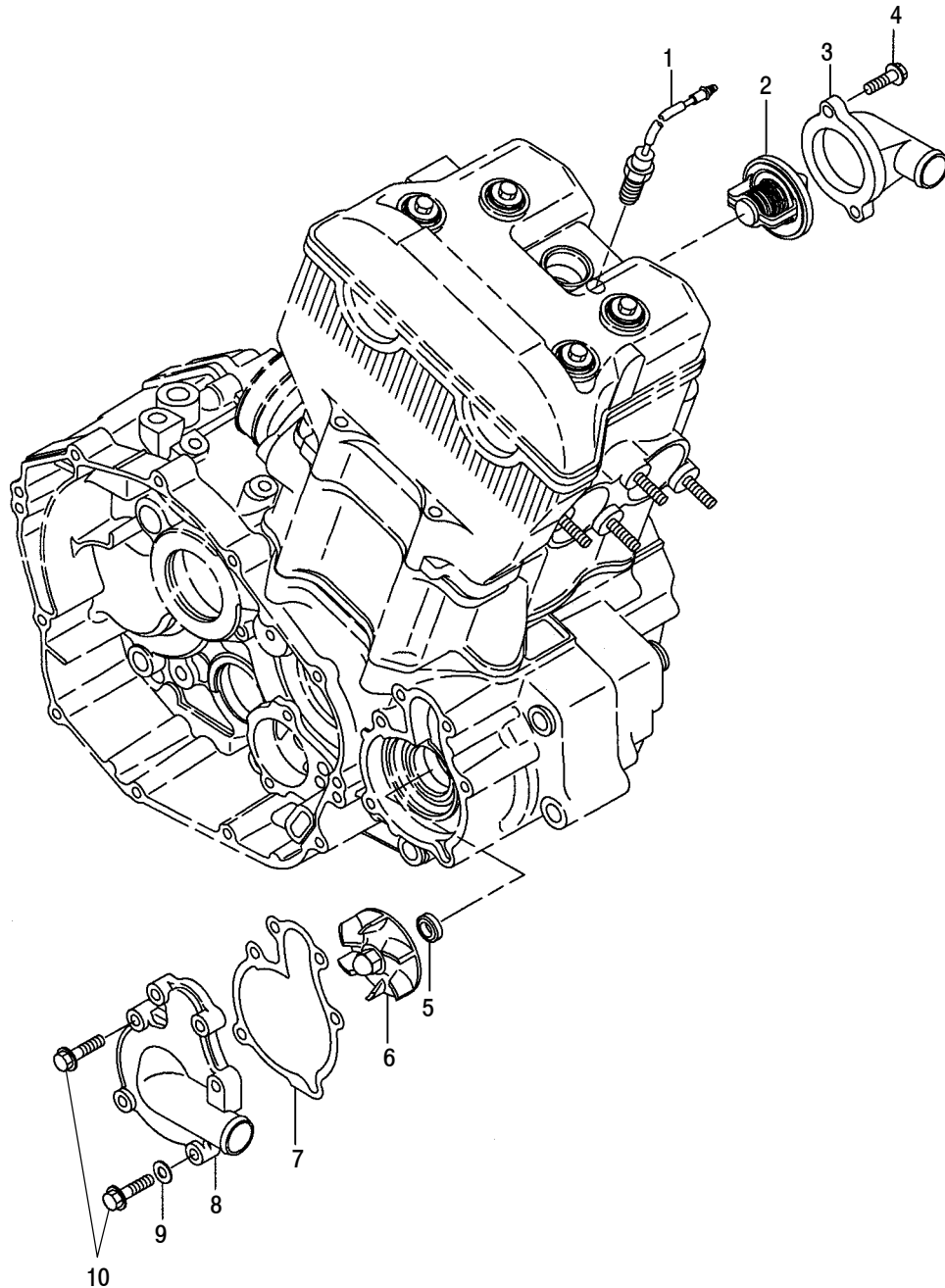
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                 |
|------|----------|------|-----------------------------|
| 1    | 3087972  | 1    | Set, Piston Ring, Std.      |
| 2    | 3087970  | 1    | Set, Piston, Std. (Incl. 4) |
| 3    | 3087971  | 1    | Pin, Piston                 |
| 4    | 3085534  | 2    | Clip                        |
| 5    | 3087963  | 1    | Bearing, Large End          |
| 6    | 3087961  | 1    | Pin, Crank                  |
| 7    | 3087967  | 1    | Nut                         |
| 8    | 3087968  | 1    | Washer                      |
| 9    | 3087966  | 1    | Gear, Primary Drive         |
| 10   | 3087979  | 1    | Sprocket, Crank             |
| 11   | 3088141  | 1    | Stopper                     |
| 12   | 3088140  | 1    | Gear, Balancer              |

| Ref. | Part No. | Qty. | Description                           |
|------|----------|------|---------------------------------------|
| 13   | 3086838  | 1    | Pin, Dowel                            |
| 14   | 3087960  | 1    | Crankshaft 2                          |
| 15   | 3088139  | 1    | Asm., Crankshaft (Incl. 5,6,12-14,22) |
|      | 3087959  | 1    | Crankshaft 1                          |
| 16   | 3088142  | 1    | Shaft, Balancer                       |
| 17   | 3087976  | 1    | Bearing, Needle                       |
| 18   | 3087974  | 1    | Nut, Flange                           |
| 19   | 3087975  | 1    | Washer                                |
| 20   | 3087969  | 1    | Nut                                   |
| 21   | 3240168  | 1    | Key, Woodruff                         |
| 22   | 3087962  | 1    | Rod, Connecting                       |

# WATER PUMP

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



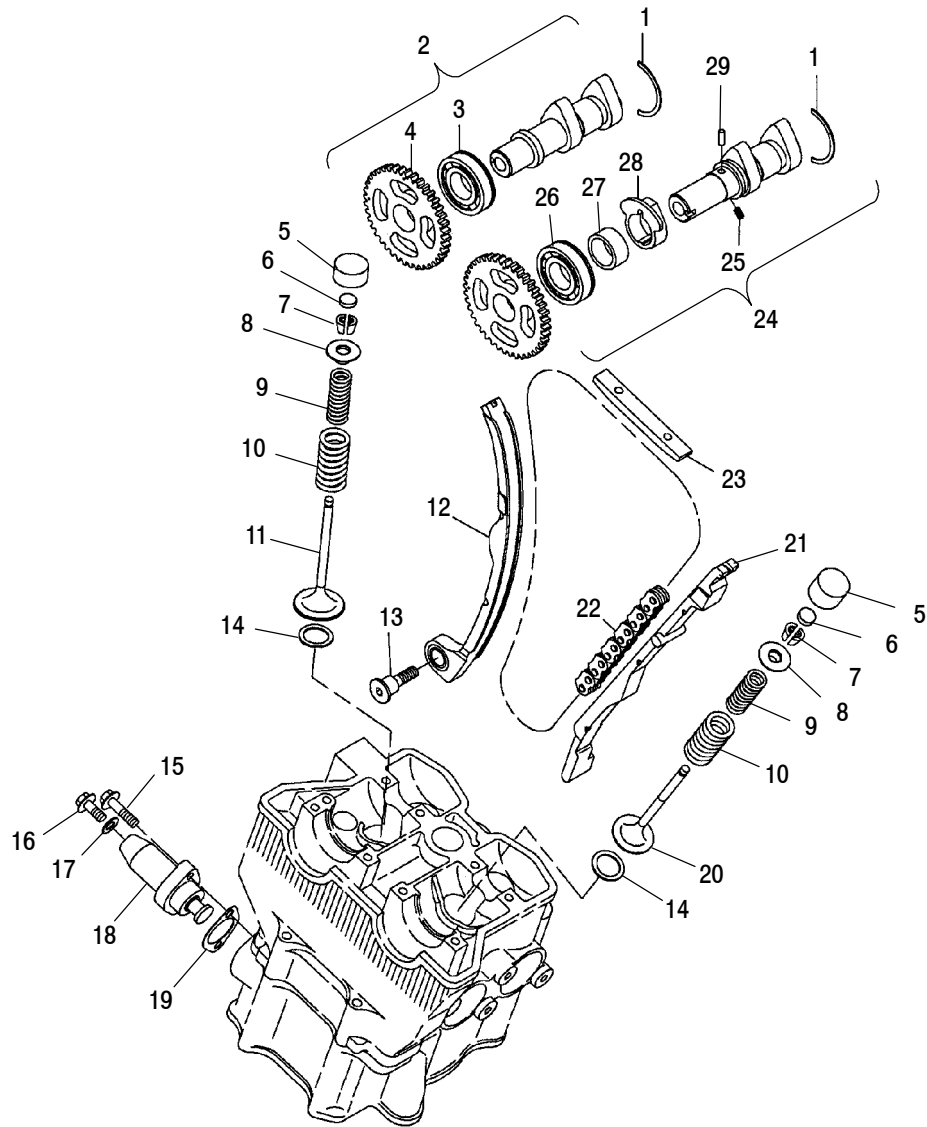
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description        |
|------|----------|------|--------------------|
| 1    | 3085352  | 1    | Switch, Thermostat |
| 2    | 3088028  | 1    | Thermostat         |
| 3    | 3088029  | 1    | Cover, Thermostat  |
| 4    | 3084877  | 2    | Bolt, Flange       |
| 5    | 3084942  | 1    | Washer, Seal       |

| Ref. | Part No. | Qty. | Description      |
|------|----------|------|------------------|
| 6    | 3088025  | 1    | Impeller         |
| 7    | 3088027  | 1    | Gasket           |
| 8    | 3088026  | 1    | Case, Water Pump |
| 9    | 3088030  | 1    | Gasket, Copper   |
| 10   | 3084874  | 6    | Bolt, Flange     |

7/02

**INTAKE and EXHAUST**  
**PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



## INTAKE and EXHAUST

### PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

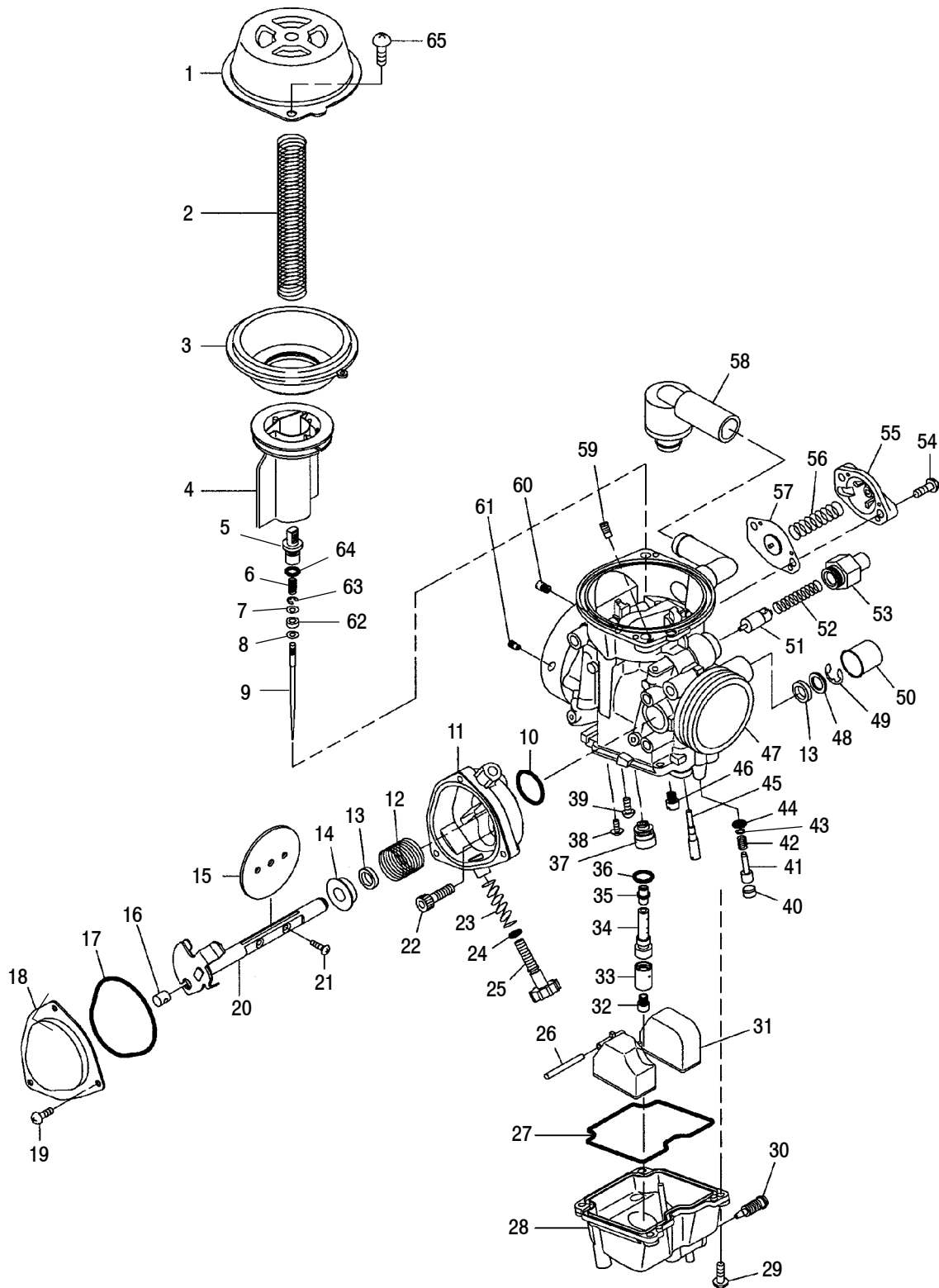
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                        |
|------|----------|------|------------------------------------|
| 1    | 3087980  | 2    | Stopper, Bearing                   |
| 2    | 3087977  | 1    | Asm., Camshaft, Intake (Incl. 3,4) |
| 3    | -----    | 1    | Bearing, Ball                      |
| 4    | -----    | 1    | Sprocket, Cam                      |
| 5    | 3087987  | 4    | Lifter, Valve                      |
| 6    | 3087988  | 4    | Pad, Adjusting (1.45)              |
|      | 3087989  | 4    | Pad, Adjusting (1.500)             |
|      | 3087990  | 4    | Pad, Adjusting (1.550)             |
|      | 3087991  | 4    | Pad, Adjusting (1.600)             |
|      | 3087992  | 4    | Pad, Adjusting (1.625)             |
|      | 3087993  | 4    | Pad, Adjusting (1.650)             |
|      | 3087994  | 4    | Pad, Adjusting (1.675)             |
|      | 3087995  | 4    | Pad, Adjusting (1.700)             |
|      | 3087996  | 4    | Pad, Adjusting (1.725)             |
|      | 3087997  | 4    | Pad, Adjusting (1.750)             |
|      | 3087998  | 4    | Pad, Adjusting (1.775)             |
|      | 3087999  | 4    | Pad, Adjusting (1.800)             |
|      | 3088000  | 4    | Pad, Adjusting (1.825)             |
|      | 3088001  | 4    | Pad, Adjusting (1.850)             |
|      | 3088002  | 4    | Pad, Adjusting (1.875)             |
|      | 3088003  | 4    | Pad, Adjusting (1.900)             |
|      | 3088004  | 4    | Pad, Adjusting (1.925)             |
|      | 3088005  | 4    | Pad, Adjusting (1.950)             |
|      | 3088006  | 4    | Pad, Adjusting (1.975)             |
|      | 3088007  | 4    | Pad, Adjusting (2.000)             |
|      | 3088008  | 4    | Pad, Adjusting (2.025)             |
|      | 3088009  | 4    | Pad, Adjusting (2.050)             |
|      | 3088010  | 4    | Pad, Adjusting (2.075)             |
|      | 3088011  | 4    | Pad, Adjusting (2.100)             |
|      | 3088012  | 4    | Pad, Adjusting (2.125)             |
|      | 3088013  | 4    | Pad, Adjusting (2.150)             |
|      | 3088014  | 4    | Pad, Adjusting (2.200)             |
|      | 3088015  | 4    | Pad, Adjusting (2.250)             |
|      | 3088016  | 4    | Pad, Adjusting (2.300)             |

| Ref. | Part No. | Qty. | Description                           |
|------|----------|------|---------------------------------------|
| 7    | 3084908  | 8    | Collet, Valve                         |
| 8    | 3087985  | 4    | Retainer, Spring                      |
| 9    | 3087984  | 4    | Spring, Valve, Inner                  |
| 10   | 3087983  | 4    | Spring, Valve, Outer                  |
| 11   | 3087981  | 2    | Valve, Intake                         |
| 12   | 3088020  | 1    | Lever                                 |
| 13   | 3088024  | 1    | Bolt, Pivot                           |
| 14   | 3087986  | 4    | Seat, Valve Spring                    |
| 15   | 3084874  | 2    | Bolt, Flange                          |
| 16   | 3085359  | 1    | Bolt, Flange                          |
| 17   | 3088023  | 1    | Gasket, Aluminium                     |
| 18   | 3088021  | 1    | Tensioner                             |
| 19   | 3088022  | 1    | Gasket                                |
| 20   | 3087982  | 2    | Valve, Exhaust                        |
| 21   | 3088018  | 1    | Guide, Chain, 1                       |
| 22   | 3088017  | 1    | Chain, Timing                         |
| 23   | 3088019  | 1    | Guide, Chain, 2                       |
| 24   | 3087978  | 1    | Asm., Camshaft, Exhaust (Incl. 25-29) |
| 25   | 3088146  | 1    | Spring, Decompression                 |
| 26   | -----    | 1    | Bearing                               |
| 27   | -----    | 1    | Spacer                                |
| 28   | -----    | 1    | Cam, Decompression                    |
| 29   | -----    | 1    | Pin                                   |

# CARBURETOR

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



# CARBURETOR

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

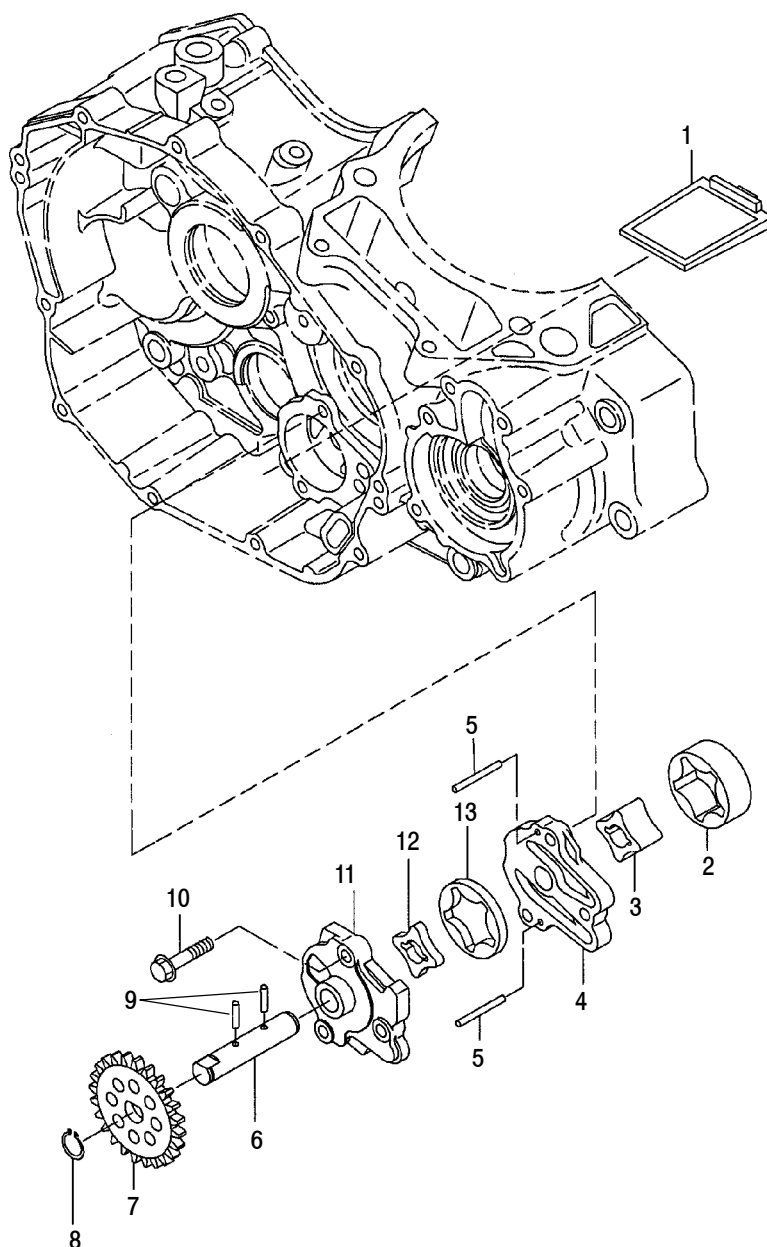
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description             |
|------|----------|------|-------------------------|
| 1    | 3131485  | 1    | Cover, Diaphragm        |
| 2    | 3131478  | 1    | Spring                  |
| 3    | 3131479  | 1    | Diaphragm               |
| 4    | 3131480  | 1    | Valve, Piston           |
| 5    | 3131477  | 1    | Holder                  |
| 6    | 3131481  | 1    | Spring                  |
| 7    | 3131482  | 1    | Washer                  |
| 8    | 3131483  | 1    | Washer                  |
| 9    | 3131484  | 1    | Jet, Needle             |
| 10   | 3130928  | 1    | O-Ring                  |
| 11   | 3131502  | 1    | Case                    |
| 12   | 3130927  | 1    | Spring                  |
| 13   | 3130515  | 2    | Seal                    |
| 14   | 3130932  | 1    | Ring                    |
| 15   | 3131476  | 1    | Valve, Throttle (105)   |
| 16   | 3130543  | 1    | Guide, Cable            |
| 17   | 3131294  | 1    | O-Ring                  |
| 18   | 3130930  | 1    | Cover                   |
| 19   | 3131512  | 3    | Screw                   |
| 20   | 3131500  | 1    | A-Shaft, Throttle       |
| 21   | 3131475  | 2    | Screw                   |
| 22   | 3131503  | 2    | Bolt                    |
| 23   | 3130010  | 1    | Spring, Throttle Adjust |
| 24   | 3131501  | 1    | O-Ring                  |
| 25   | 3131511  | 1    | Screw, Adjust           |
| 26   | 3130043  | 1    | Pin, Float              |
| 27   | 3131494  | 1    | O-Ring                  |
| 28   | 3131493  | 1    | Body, Float             |
| 29   | 3131509  | 4    | Screw                   |
| 30   | 3130521  | 1    | Screw                   |
| 31   | 3131492  | 1    | A-Float                 |
| 32   | 3131489  | 1    | Jet, Main (150)         |
| 33   | 3131490  | 1    | Ring                    |

| Ref. | Part No. | Qty. | Description                  |
|------|----------|------|------------------------------|
| 34   | 3131491  | 1    | Holder, Jet                  |
| 35   | 3131496  | 1    | Jet, Needle                  |
| 36   | 3140053  | 1    | O-Ring                       |
| 37   | 3131495  | 1    | Valve, Needle                |
| 38   | 3131057  | 1    | Screw                        |
| 39   | 3130592  | 1    | Screw                        |
| 40   | 3130905  | 1    | Plug                         |
| 41   | 3131486  | 1    | Adjuster                     |
| 42   | 3131487  | 1    | Spring                       |
| 43   | 3130523  | 1    | Washer                       |
| 44   | 3130522  | 1    | O-Ring                       |
| 45   | 3131504  | 1    | Jet, Pilot (45)              |
| 46   | 3131488  | 1    | Jet (42.5)                   |
| 47   | 3131513  | 1    | Asm., Carburetor (Incl. all) |
| 48   | 3130517  |      | Packing                      |
| 49   | 3130518  | 1    | E-Ring                       |
| 50   | 3130519  | 1    | Cap                          |
| 51   | 3130593  | 1    | Asm., Plunger                |
| 52   | 3130538  | 1    | Spring                       |
| 53   | 3131499  | 1    | Holder, Guide                |
| 54   | 3131506  | 2    | Screw                        |
| 55   | 3131505  | 1    | Cover                        |
| 56   | 3131507  | 1    | Spring                       |
| 57   | 3131508  | 1    | Asm., Diaphragm              |
| 58   | 3131510  | 1    | Filter                       |
| 59   | 3130619  | 1    | Jet, Air                     |
| 60   | 3131497  | 1    | Jet, Main (110)              |
| 61   | 3131498  | 1    | Jet (120)                    |
| 62   | 3130915  | 1    | Ring                         |
| 63   | 3130868  | 1    | E-Ring                       |
| 64   | 3140049  | 1    | O-Ring                       |
| 65   | 3130821  | 2    | Screw                        |

# OIL PUMP

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

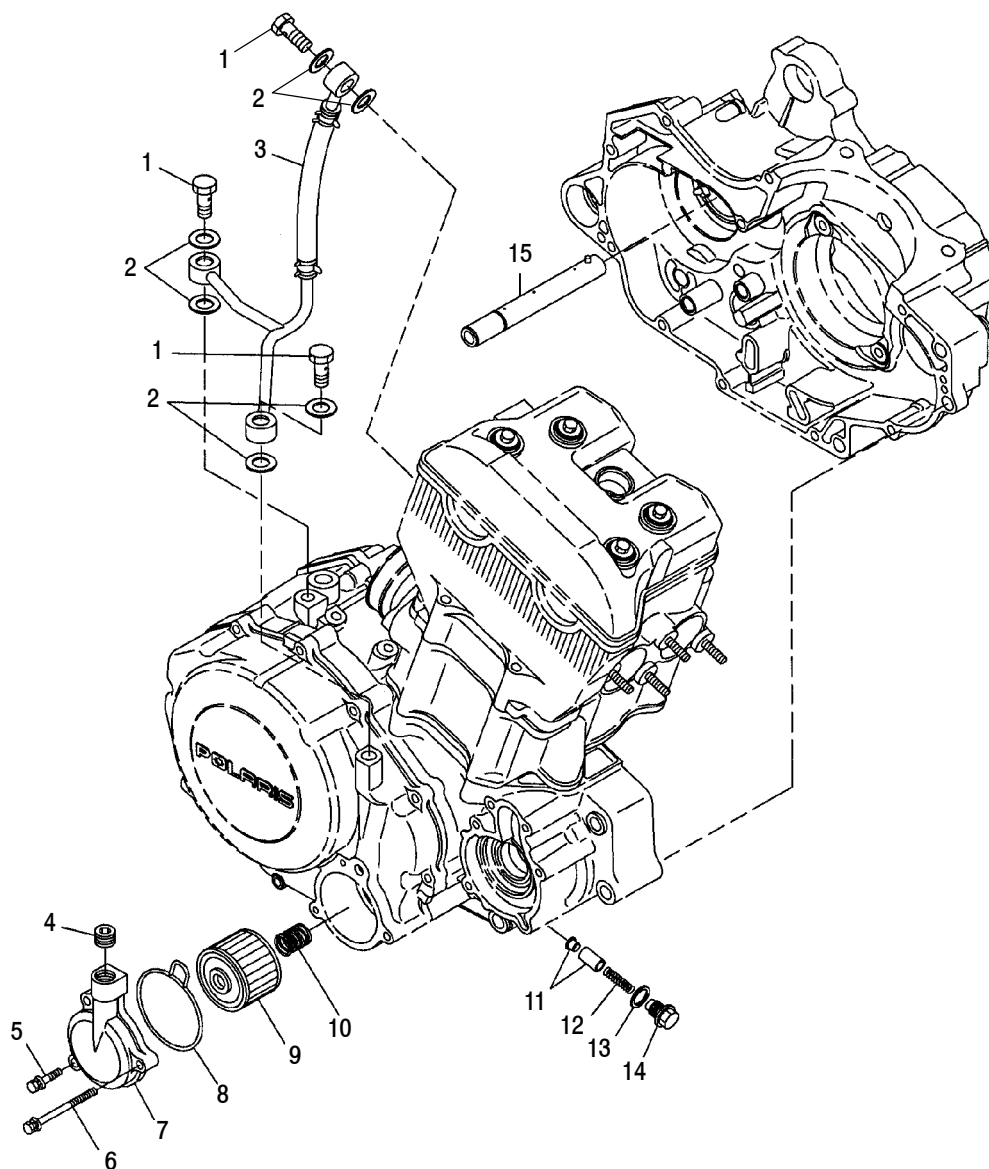
| Ref. | Part No. | Qty. | Description                        |
|------|----------|------|------------------------------------|
| 1    | 3088034  | 1    | Unit, Oil Strainer                 |
| 2    | 3088153  | 1    | Rotor, Scav, Outer                 |
| 3    | 3088152  | 1    | Rotor, Scav, Inner                 |
| 4    | 3088031  | 1    | Asm., Oil Pump (Incl. 2-6,9,11-13) |
|      | 3088148  | 1    | Case 1, Oil Pump                   |
| 5    | 3088156  | 2    | Pin, Dowel                         |
| 6    | 3088154  | 1    | Shaft, Oil Pump                    |

| Ref. | Part No. | Qty. | Description        |
|------|----------|------|--------------------|
| 7    | 3088032  | 1    | Gear, Oil Pump     |
| 8    | 3088033  | 1    | Ring, Snap         |
| 9    | 3088155  | 2    | Pin, Dowel         |
| 10   | 3088035  | 3    | Bolt, Flange       |
| 11   | 3088149  | 1    | Case 2, Oil Pump   |
| 12   | 3088150  | 1    | Rotor, Feed, Inner |
| 13   | 3088151  | 1    | Rotor, Feed, Outer |

7/02

# OIL FILTER

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                  |
|------|----------|------|------------------------------|
| 1    | 3086815  | 3    | Bolt, Banjo                  |
| 2    | 3088044  | 6    | Gasket                       |
| 3    | 3088043  | 1    | Asm., Oil Delivery Pipe      |
| 4    | 3086397  | 1    | Plug                         |
| 5    | 3084874  | 2    | Bolt, Flange                 |
| 6    | 3088046  | 1    | Bolt, Flange                 |
| 7    | 3088157  | 1    | Asm., Filter Cover (Incl. 4) |
|      | 3088037  | 1    | Cover, Filter                |

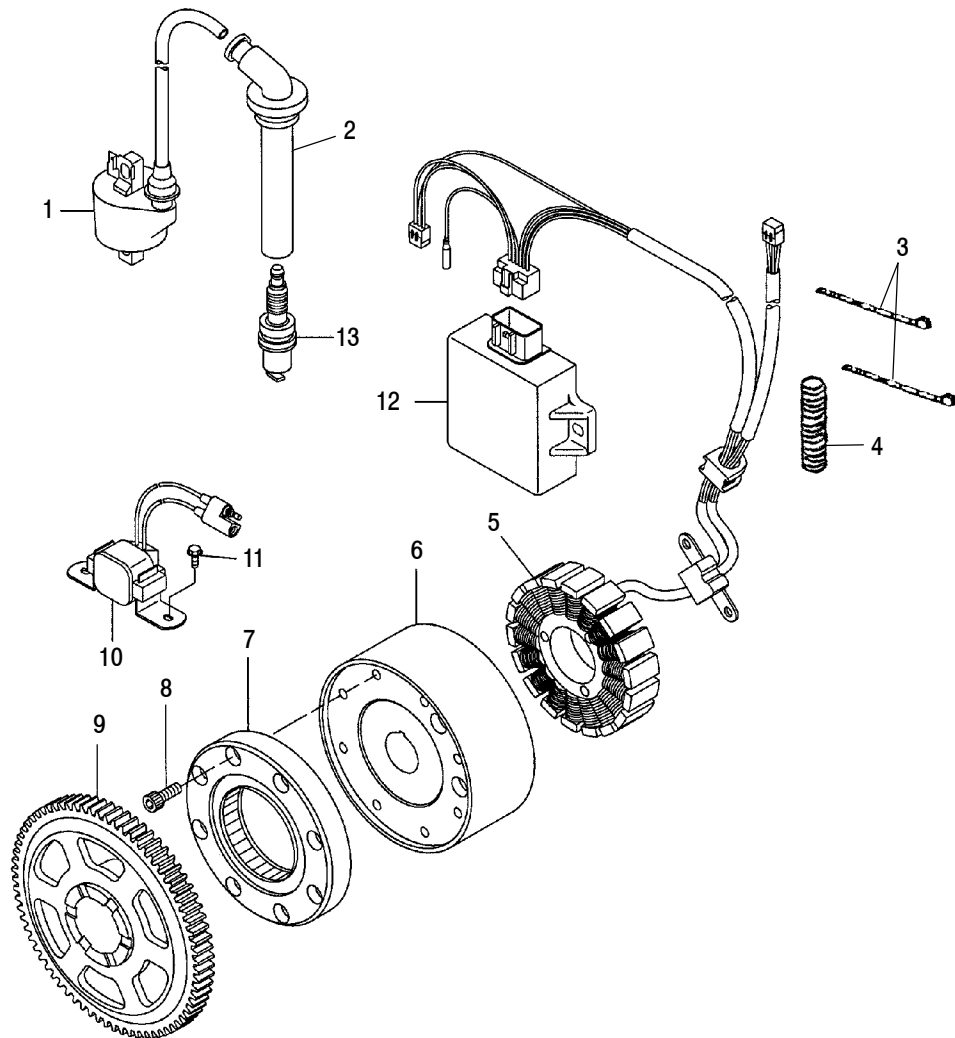
| Ref. | Part No. | Qty. | Description      |
|------|----------|------|------------------|
| 8    | 3088038  | 1    | O-Ring           |
| 9    | 3088036  | 1    | Filter, Oil      |
| 10   | 3088042  | 1    | Spring           |
| 11   | 3088039  | 1    | Asm., Valve      |
| 12   | 3088040  | 1    | Spring           |
| 13   | 3084846  | 1    | Gasket, Aluminum |
| 14   | 3088041  | 1    | Plug             |
| 15   | 3088045  | 1    | Shaft, Oil       |

7/02



# MAGNETO

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

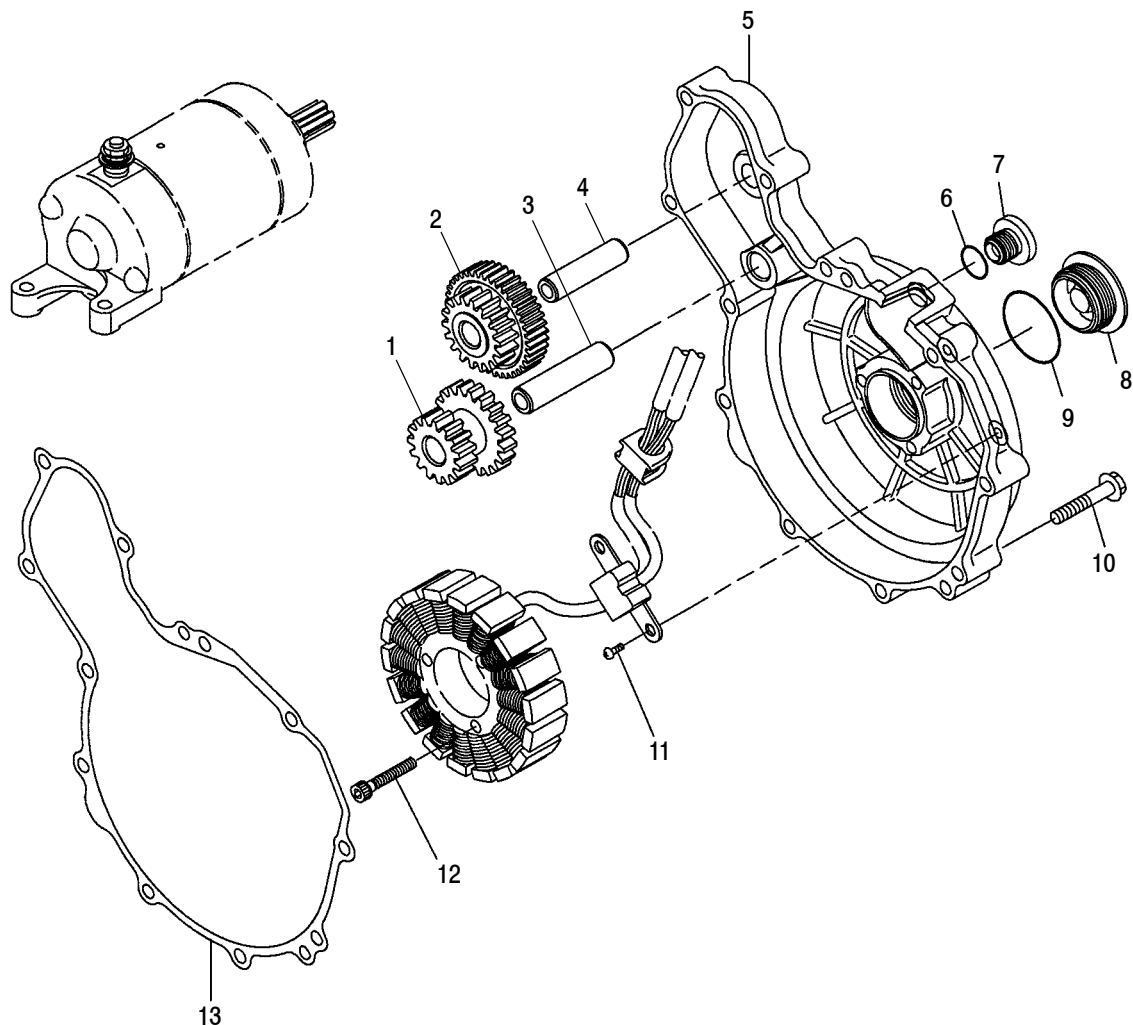
| Ref. | Part No. | Qty. | Description             |
|------|----------|------|-------------------------|
| 1    | 3088053  | 1    | Coil, Ignition          |
| 2    | 3088054  | 1    | Cap, Spark Plug         |
| 3    | 7080138  | 2    | Cable Tie               |
| 4    | 8360052  | 1    | Tubing, Convoluted      |
| 5    | 3088159  | 1    | Stator                  |
| 6    | 3088158  | 1    | Asm., Magneto (Incl. 5) |
|      | 3088055  | 1    | Flywheel                |

| Ref. | Part No. | Qty. | Description           |
|------|----------|------|-----------------------|
| 7    | 3088048  | 1    | Asm., Clutch          |
| 8    | 3088050  | 8    | Bolt, Socket Head     |
| 9    | 3088049  | 1    | Gear, Starter         |
| 10   | 3087198  | 1    | Switch, Magnetic      |
| 11   | 3085359  | 2    | Bolt, Flange          |
| 12   | 3088052  | 1    | CDI System            |
| 13   | 3088051  | 1    | Plug, Spark, (DCPR8E) |

7/02

# MAGNETO COVER

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



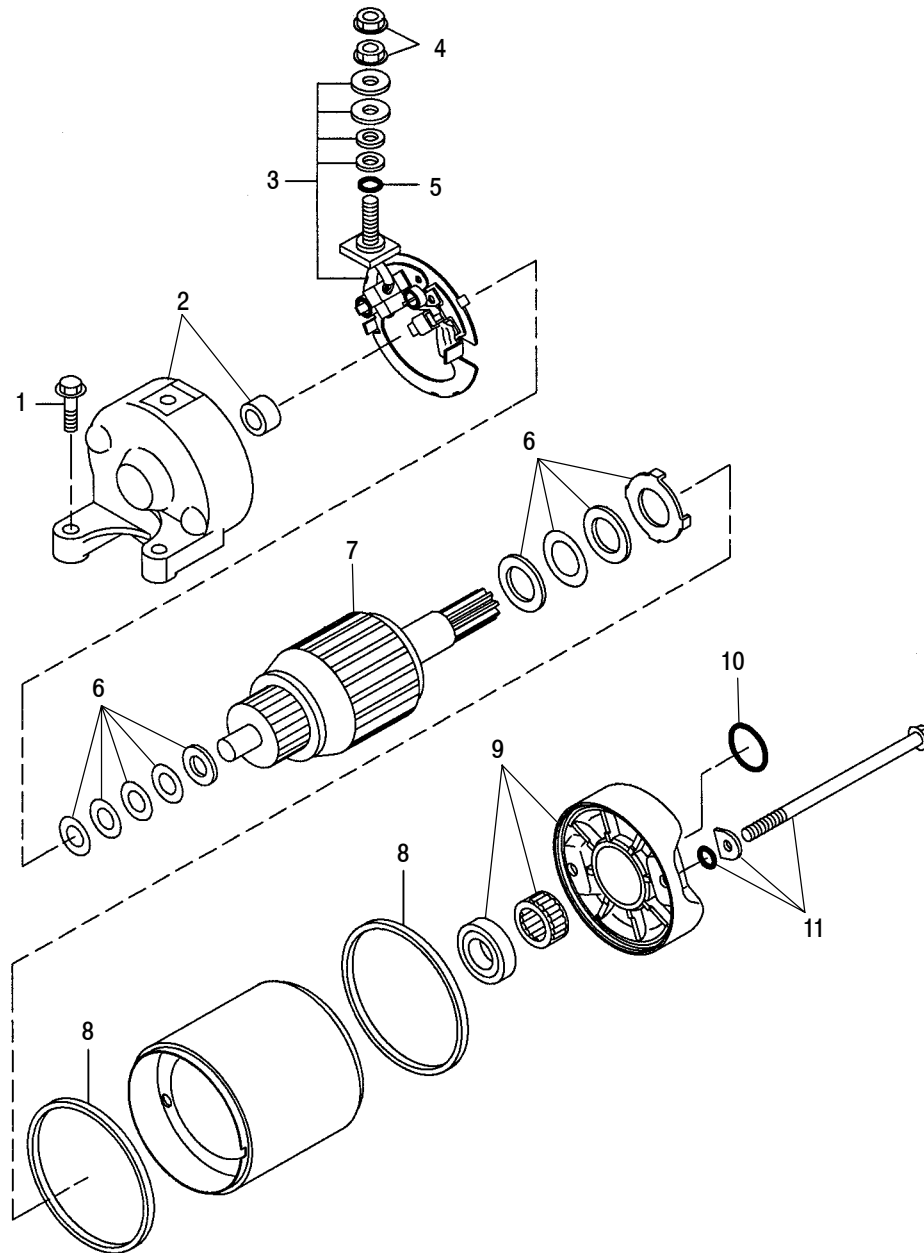
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description       |
|------|----------|------|-------------------|
| 1    | 3088065  | 1    | Gear 1, Reduction |
| 2    | 3088067  | 1    | Gear 2, Reduction |
| 3    | 3088066  | 1    | Shaft 1           |
| 4    | 3088068  | 1    | Shaft 2           |
| 5    | 3088057  | 1    | Cover, Magneto    |
| 6    | 3088061  | 1    | O-Ring            |
| 7    | 3088059  | 1    | Plug 2            |

| Ref. | Part No. | Qty. | Description       |
|------|----------|------|-------------------|
| 8    | 3088058  | 1    | Plug 1            |
| 9    | 3088060  | 1    | O-Ring            |
| 10   | 3088064  | 11   | Bolt, Flange      |
| 11   | 3085698  | 2    | Screw and Washer  |
| 12   | 3088062  | 3    | Bolt, Socket Head |
| 13   | 3088063  | 1    | Gasket            |

# STARTING MOTOR

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

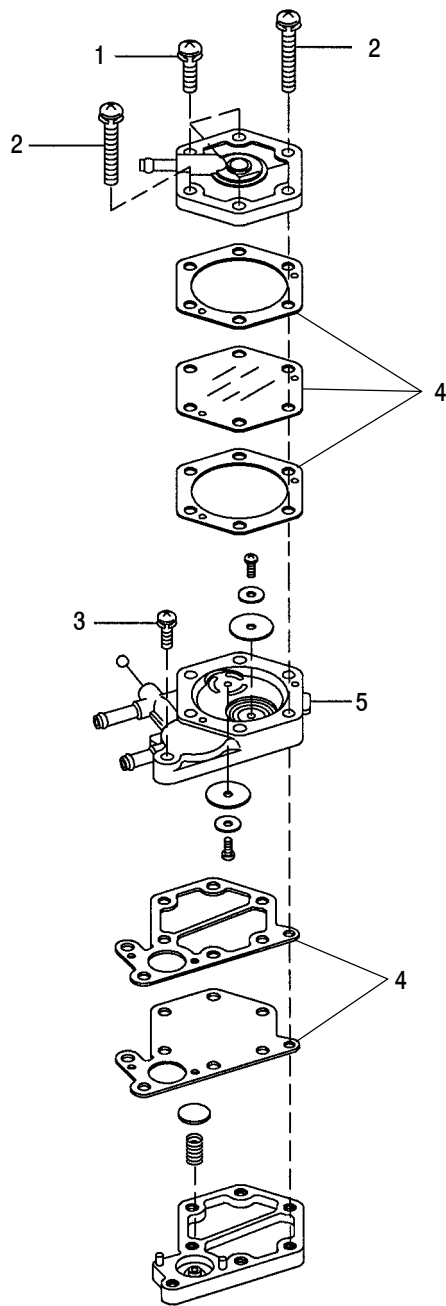


Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description         |
|------|----------|------|---------------------|
| 1    | 3084874  | 2    | Bolt, Flange        |
| 2    | 3088167  | 1    | Asm., Bracket, Rear |
| 3    | 3088169  | 1    | Brush Set, Carbon   |
| 4    | 3088166  | 1    | Nut, Flange         |
| 5    | 3088165  | 3    | O-Ring              |
| 6    | 3088163  | 1    | Washer Set          |

| Ref. | Part No. | Qty. | Description                    |
|------|----------|------|--------------------------------|
| 7    | 3088168  | 1    | Asm., Armature                 |
| 8    | 3088162  | 2    | Ring, Rubber                   |
| 9    | 3088069  | 1    | Asm., Start Motor (Incl. 2-11) |
|      | 3088160  | 1    | Asm., Front Bracket (Incl. 10) |
| 10   | 3088161  | 1    | O-Ring                         |
| 11   | 3088164  | 2    | Asm., Set Bolt (Incl. 5)       |

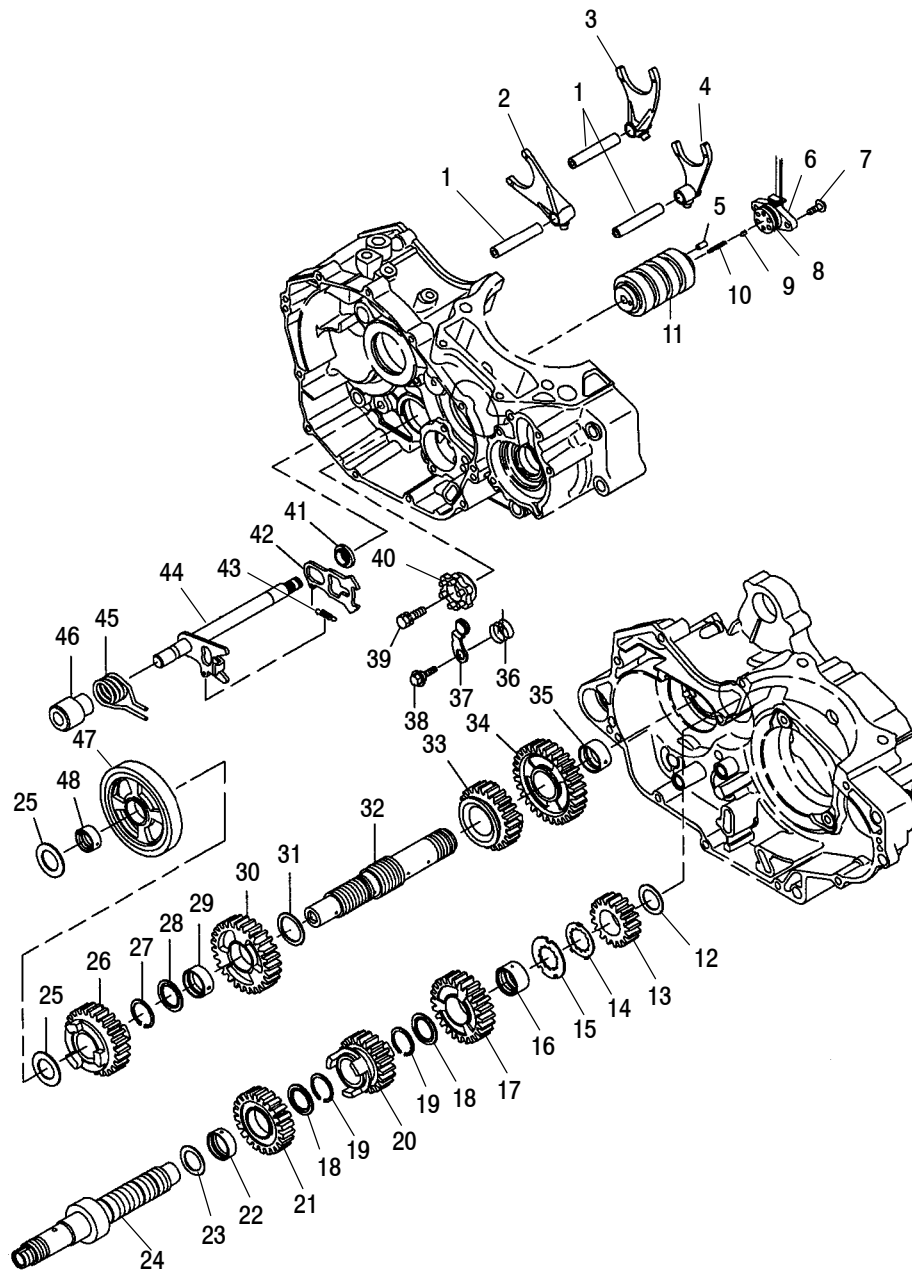
**FUEL PUMP**  
**PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



| Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly. |          |      |                  |      |          |      |                       |
|--|----------|------|------------------|------|----------|------|-----------------------|
| Ref.   | Part No. | Qty. | Description      | Ref. | Part No. | Qty. | Description           |
| 1  | 3084591  | 4    | Screw            | 4    | 3088170  | 1    | Gasket Set, Diaphragm |
| 2  | 3088173  | 2    | Screw and Washer | 5    | 3088070  | 1    | Asm., Fuel Pump       |
| 3  | 3088171  | 1    | Screw and Washer |      |          |      |                       |

# CLUTCH

PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



# CLUTCH

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB

Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

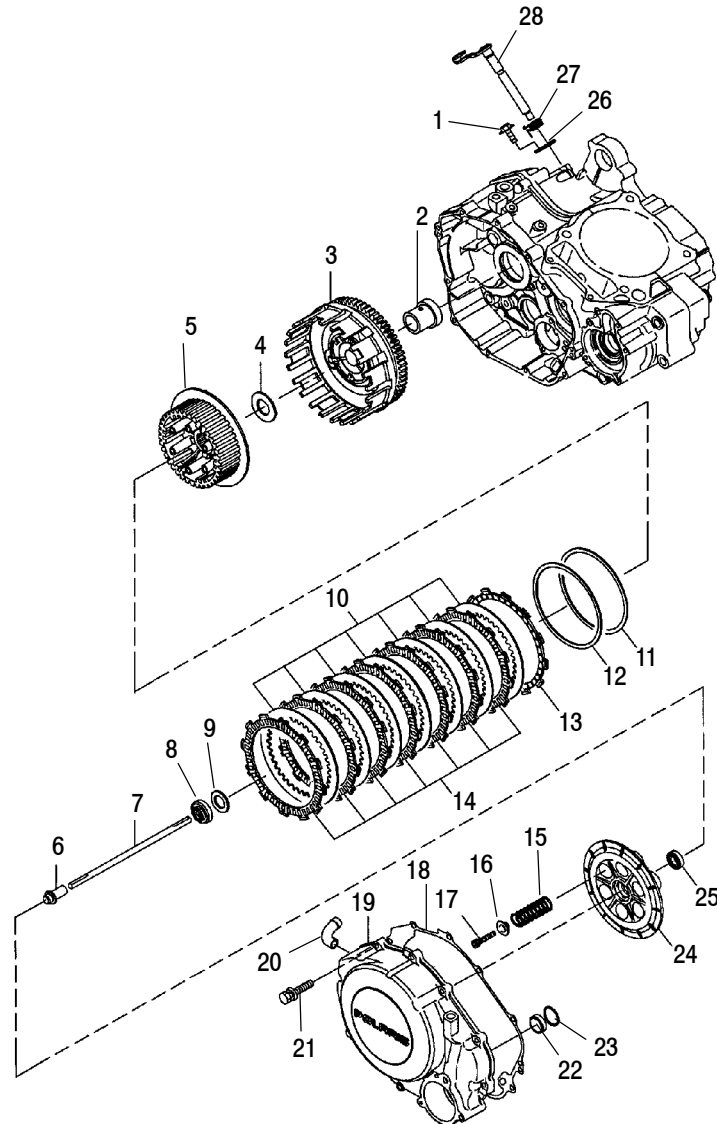
| Ref. | Part No.           | Qty.   | Description                                   |
|------|--------------------|--------|---|
| 1    | 3088121            | 3      | Shaft, Fork                                   |
| 2    | 3088120            | 1      | Fork, Shift, Right                            |
| 3    | 3088119            | 1      | Fork, Shift, Left                             |
| 4    | 3088118            | 1      | Fork, Shift, Main                             |
| 5    | 3088191            | 1      | Pin, Dowel                                    |
| 6    | 3088122            | 1      | Asm., Switch (Incl. 8)                        |
| 7    | 3083783            | 2      | Screw and Washer                              |
| 8    | 3088123            | 1      | O-Ring  |
| 9    | 3088115            | 1      | Point, Neutral                                |
| 10   | 3088116            | 1      | Spring, Point                                 |
| 11   | 3088190            | 1      | Drum, Shift (Incl. 5)                         |
| 12   | 3088096            | 1      | Washer  |
| 13   | 3088085            | 1      | Gear, 2nd Drive                               |
| 14   | 3088095            | 1      | Washer, Lock                                  |
| 15   | 3088092            | 1      | Washer  |
| 16   | 3088089            | 1      | Collar  |
| 17   | 3088189            | 1      | Gear, 5th Drive                               |
| 18   | 3088093            | 2      | Clip  |
| 19   | 3088091            | 2      | Washer, Spline                                |
| 20   | 3088188            | 1      | Gear, 3rd Drive                               |
| 21   | 3088087            | 1      | Gear, 4th Drive                               |
| 22   | 3088090            | 1      | Collar  |
| 23   | 3088094            | 1      | Washer  |
| 24   | 3088187<br>3088084 | 1<br>1 | Asm., Main Shaft (Incl. 12-23)<br>Shaft, Main |

| Ref. | Part No.           | Qty.   | Description   |
|------|--------------------|--------|---|
| 25   | 3088107            | 2      | Washer  |
| 26   | 3088102            | 1      | Gear, 4th Driven  |
| 27   | 3088110            | 1      | Clip  |
| 28   | 3088109            | 1      | Washer, Spline  |
| 29   | 3088106            | 1      | Collar  |
| 30   | 3088101            | 1      | Gear, 3rd Driven  |
| 31   | 3088108            | 3      | Washer  |
| 32   | 3088097<br>3088098 | 1<br>1 | Asm., Counter Shaft (Incl. 25-35,47,48)<br>Shaft, Counter |
| 33   | 3088103            | 1      | Gear, 5th Driven  |
| 34   | 3088100            | 1      | Gear, 2nd Driven  |
| 35   | 3088105            | 1      | Collar  |
| 36   | 3088193            | 1      | Spring, Stopper   |
| 37   | 3088113            | 1      | Arm, Stopper  |
| 38   | 3088117            | 1      | Bolt, Stopper   |
| 39   | 3084126            | 1      | Bolt, Flange  |
| 40   | 3088192            | 1      | Cam, Shift  |
| 41   | 3088128            | 1      | Collar 1  |
| 42   | 3088126            | 1      | Arm B, Shift  |
| 43   | 3088127            | 1      | Spring, Shift   |
| 44   | 3088124            | 1      | Shaft, Shift  |
| 45   | 3088125            | 1      | Spring, Return  |
| 46   | 3088129            | 1      | Collar 2  |
| 47   | 3088099            | 1      | Gear, 1st Driven  |
| 48   | 3088104            | 1      | Collar  |

7/01

# CLUTCH

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



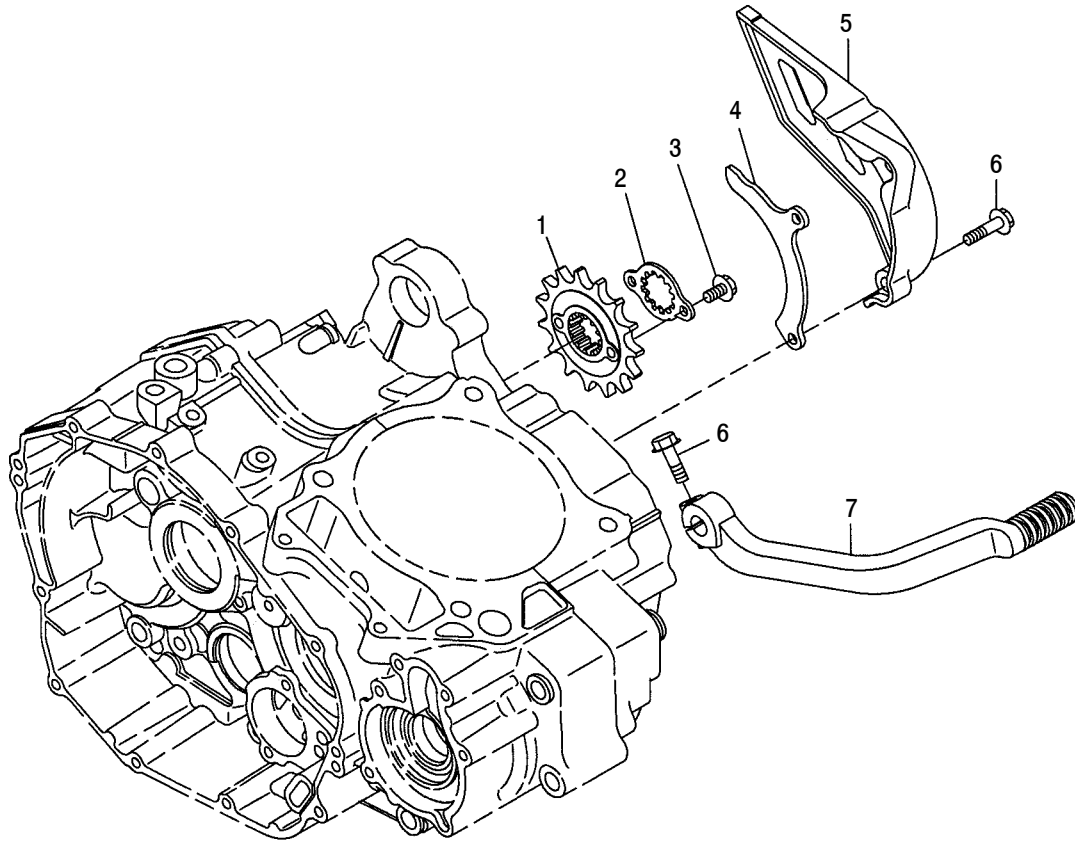
Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                          |
|------|----------|------|--------------------------------------|
|      | 3088075  | 1    | Asm., Clutch (Incl. 3-5,10-17,24,25) |
| 1    | 3084877  | 1    | Bolt, Flange                         |
| 2    | 3088077  | 1    | Collar, Distance                     |
| 3    | 3088174  | 1    | Clutch, Outer                        |
| 4    | 3088186  | 1    | Washer, Thrust                       |
| 5    | 3088180  | 1    | Center, Clutch                       |
| 6    | 3088081  | 1    | Pusher                               |
| 7    | 3088080  | 1    | Rod, Push                            |
| 8    | 3086285  | 1    | Nut, Lock                            |
| 9    | 3086286  | 1    | Washer, Lock                         |
| 10   | 3088184  | 7    | Plate, Clutch                        |
| 11   | 3088181  | 1    | Spring, Judder, Seat                 |
| 12   | 3088182  | 1    | Spring, Judder                       |
| 13   | 3088185  | 1    | Disk B, Clutch Friction              |
| 14   | 3088183  | 7    | Disk A, Clutch Friction              |

| Ref. | Part No. | Qty. | Description                    |
|------|----------|------|--------------------------------|
| 15   | 3088177  | 6    | Spring                         |
| 16   | 3088176  | 6    | Washer, Clutch Spring          |
| 17   | 3088175  | 6    | Bolt                           |
| 18   | 3088074  | 1    | Gasket                         |
| 19   | 3088071  | 1    | Cover, Clutch (Incl. 20,22,23) |
| 20   | 3085850  | 1    | Pipe                           |
| 21   | 3084874  | 10   | Bolt, Flange                   |
| 22   | 3088072  | 1    | Seal, Oil                      |
| 23   | 3088073  | 1    | Ring, Snap, Inner              |
| 24   | 3088178  | 1    | Disk, Clutch Pressure          |
| 25   | 3088179  | 1    | Bearing, Ball                  |
| 26   | 3088082  | 1    | Plate                          |
| 27   | 3088079  | 1    | Spring                         |
| 28   | 3088078  | 1    | Shaft, Release                 |

# CHAIN COVER

## PREDATOR A03GJ50AA and PREDATOR A03GJ50AB



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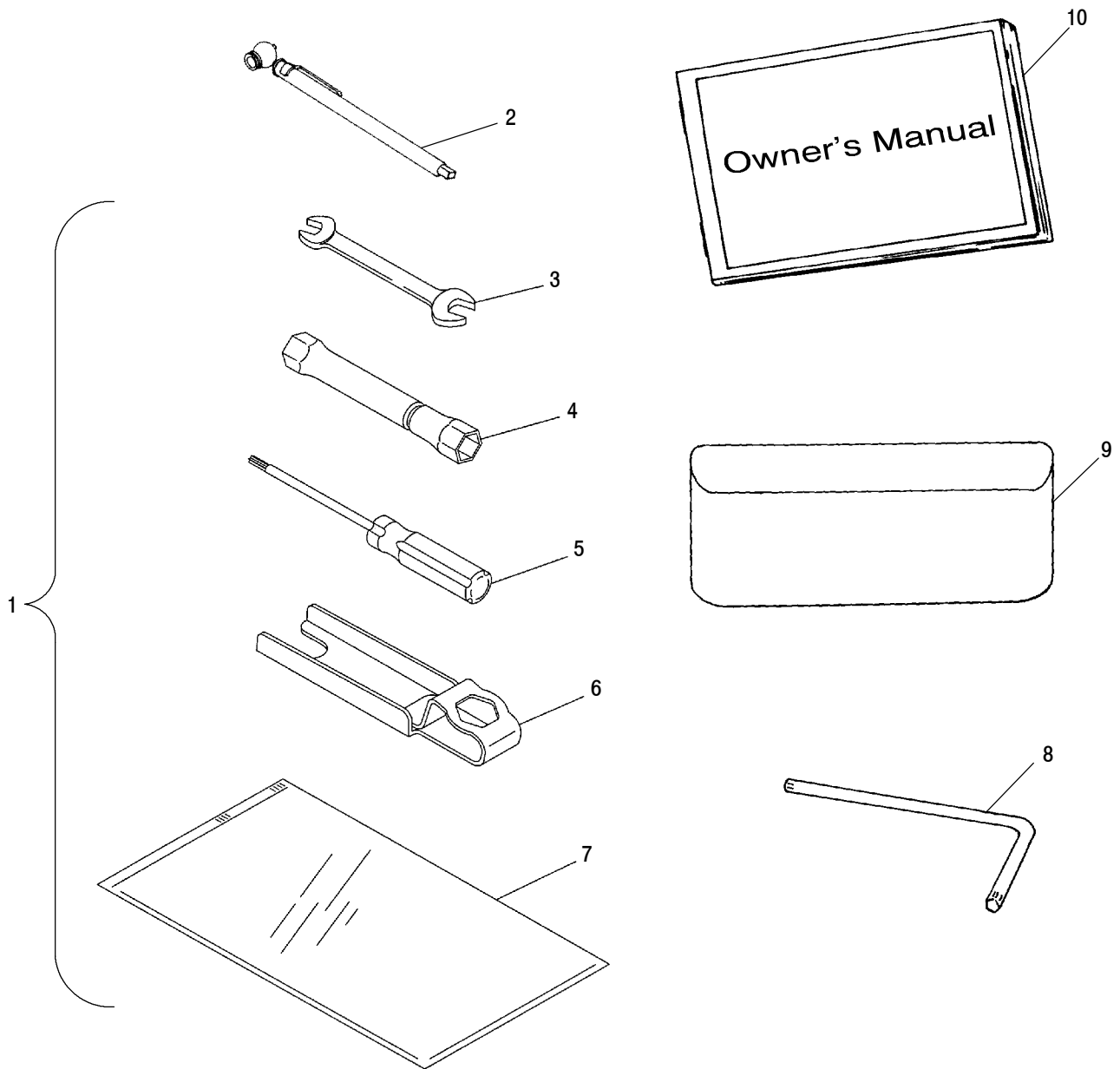
| Ref. | Part No. | Qty. | Description        |
|------|----------|------|--------------------|
| 1    | 3088132  | 1    | Sprocket, 14T      |
| 2    | 3088133  | 1    | Plate, Fixing      |
| 3    | 3088135  | 2    | Bolt, Flange       |
| 4    | 3088131  | 1    | Plate, Drive Chain |

| Ref. | Part No. | Qty. | Description               |
|------|----------|------|---------------------------|
| 5    | 3088194  | 1    | Cover, Drive Chain (AA)   |
|      | 3088221  | 1    | Cover, Sprocket, Red (AB) |
| 6    | 3084874  | 3    | Bolt, Flange              |
| 7    | 3088134  | 1    | Pedal, Shift              |

10/02



# **TOOL KIT** **PREDATOR A03GJ50AA and PREDATOR A03GJ50AB**



Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to the PartSmart, which is updated monthly.

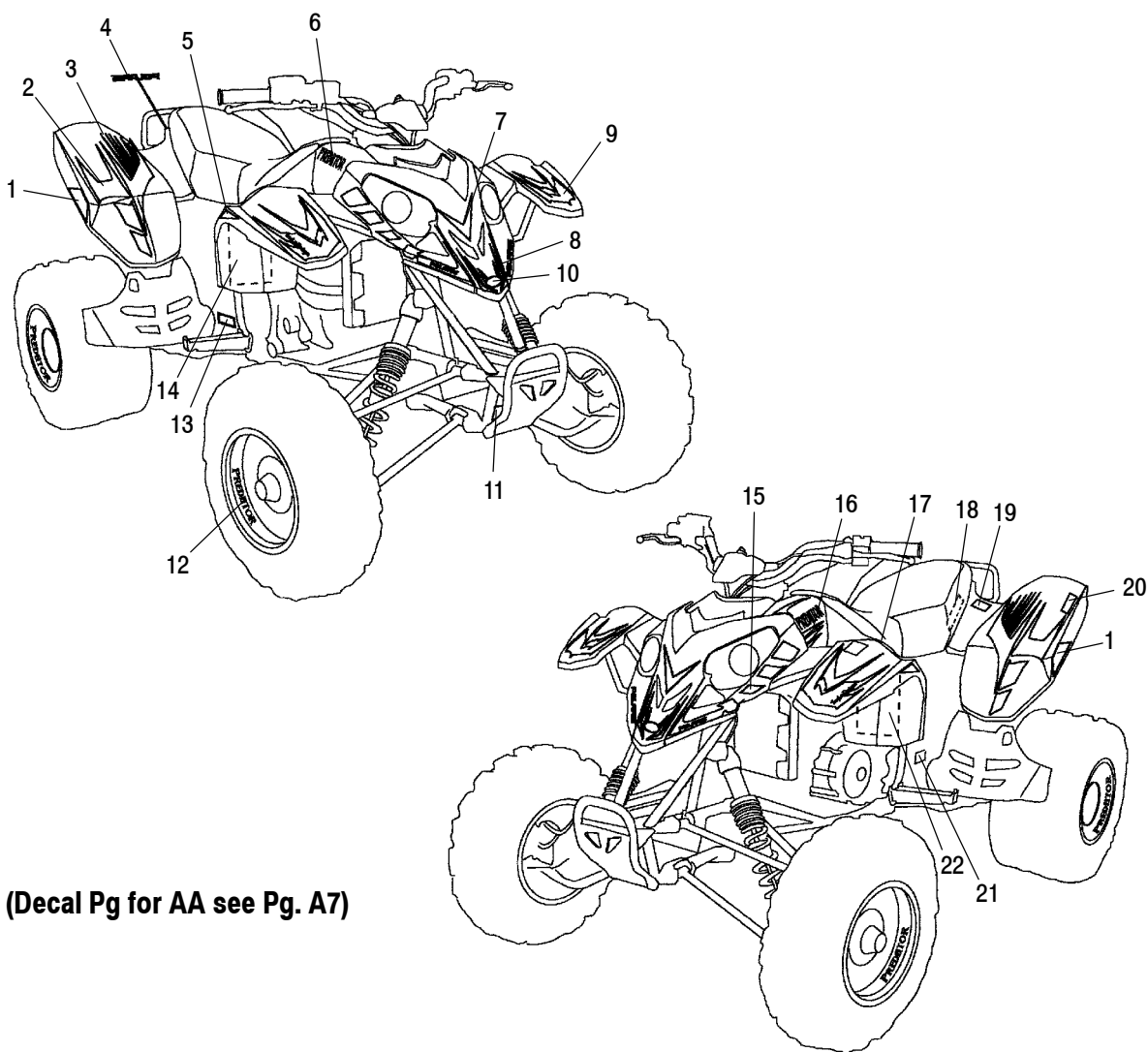
| Ref. | Part No. | Qty. | Description            |
|------|----------|------|------------------------|
| 1    | 3088136  | 1    | Kit, Tool (Incl. 2-10) |
| 2    | 2870725  | 1    | Gauge, Tire Pressure   |
| 3    | -----    | 1    | Wrench, Open           |
| 4    | -----    | 1    | Wrench, Plug           |
| 5    | -----    | 1    | Screwdriver, Star End  |

| Ref. | Part No. | Qty. | Description                        |
|------|----------|------|------------------------------------|
| 6    | -----    | 1    | Puller, Spark Plug (Wrench Handle) |
| 7    | -----    | 1    | Bag, Plastic                       |
| 8    | 2873647  | 1    | Wrench, Torx                       |
| 9    | 2682572  | 1    | Pouch, Tool Kit                    |
| 10   | 9917574  | 1    | Owner's Manual, '03 Predator       |

7/02

## DECALS

### PREDATOR A03GJ50AB



(Decal Pg for AA see Pg. A7)

Part numbers may have changed since this microfiche was issued. To ensure that correct parts are received, refer to the PartSmart, which is updated monthly.

| Ref. | Part No. | Qty. | Description                      |
|------|----------|------|----------------------------------|
| 1    | 7170621  | 1    | Decal, Reflector, Red, LH        |
|      | 7170622  | 1    | Decal, Reflector, Red, RH        |
| 2    | 7170976  | 1    | Decal, Fender, Rear, Outside, LH |
|      | 7170977  | 1    | Decal, Fender, Rear, Outside, RH |
| 3    | 7170974  | 1    | Decal, Fender, Rear, Inside, LH  |
|      | 7170975  | 1    | Decal, Fender, Rear, Inside, RH  |
| 4    | 7170933  | 1    | Decal, "POLARIS", Front/Rear     |
| 5    | 7170623  | 1    | Decal, Reflector, Amber, LH      |
|      | 7170624  | 1    | Decal, Reflector, Amber, RH      |
| 6    | 7170968  | 1    | Decal "Predator", Tank Top, LH   |
|      | 7170969  | 1    | Decal "Predator", Tank Top, RH   |
| 7    | 7170964  | 1    | Decal, Cover, Front, Red         |
| 8    | 7170965  | 1    | Decal, Cover, Front, Red Stripes |
| 9    | 7170972  | 1    | Decal, Fender, Front, LH         |
|      | 7170973  | 1    | Decal, Fender, Front, RH         |
| 10   | 7078465  | 1    | Logo, Polaris Star               |

| Ref. | Part No. | Qty. | Description                              |
|------|----------|------|--|
| 11   | 7171030  | 1    | Decal, PRO Steering                      |
| 12   | 7170963  | 8    | Decal, Predator, Rim                     |
| 13   | 7170982  | 1    | Decal, FOX, Swing Arm                    |
| 14   | 7170906  | 1    | Decal, Discretion Warning                |
| 15   | 7170966  | 1    | Decal, Brow, Front, LH                   |
|      | 7170967  | 1    | Decal, Brow, Front, RH                   |
| 16   | 7170970  | 1    | Decal, Tank Side, LH                     |
|      | 7170971  | 1    | Decal, Tank Side, RH                     |
| 17   | 7078253  | 1    | Decal, Age Warning, 16, ATV              |
| 18   | 7079902  | 1    | Decal, 4 Stroke, Carb/Filter Information |
| 19   | 7077920  | 1    | Decal, Passenger Warning                 |
| 20   | 7171022  | 1    | Decal, Tire Pressure                     |
| 21   | 7171545  | 1    | Decal, "CHAIN FREEPLAY"                  |
| 22   | 7079083  | 1    | Decal, Warning, General, CPSC            |



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PARTS MANUAL PN 9917576 and MICROFICHE PN 9917577 10/02

Changed pages in 9917576

|   | 1     | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|-------|-----|---|---|---|---|---|---|---|----|----|----|----|----|
| A | cover | toc | x | x | x |   | x | x |   | x  | x  | x  | x  |    |
| B | x     | x   |   |   | x | x | x |   |   |    |    | x  |    |    |
| C |       |     |   |   |   |   |   |   |   |    |    |    |    |    |
| D |       |     |   |   |   | x |   | x |   |    |    |    |    |    |
| E |       |     |   |   |   |   |   |   |   |    |    |    |    |    |
| F |       |     |   |   |   |   |   |   |   |    |    |    |    |    |
| G |       |     |   |   |   |   |   |   |   |    |    |    |    |    |
|   | 1     | 2   | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |