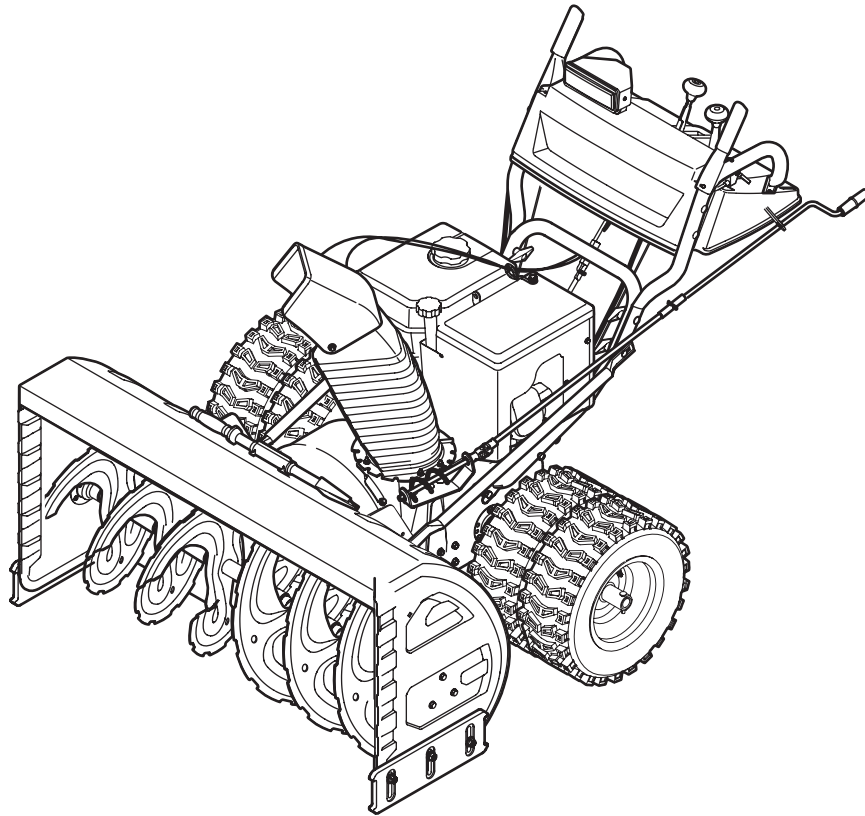


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# *Cub Cadet*®

## ILLUSTRATED PARTS MANUAL



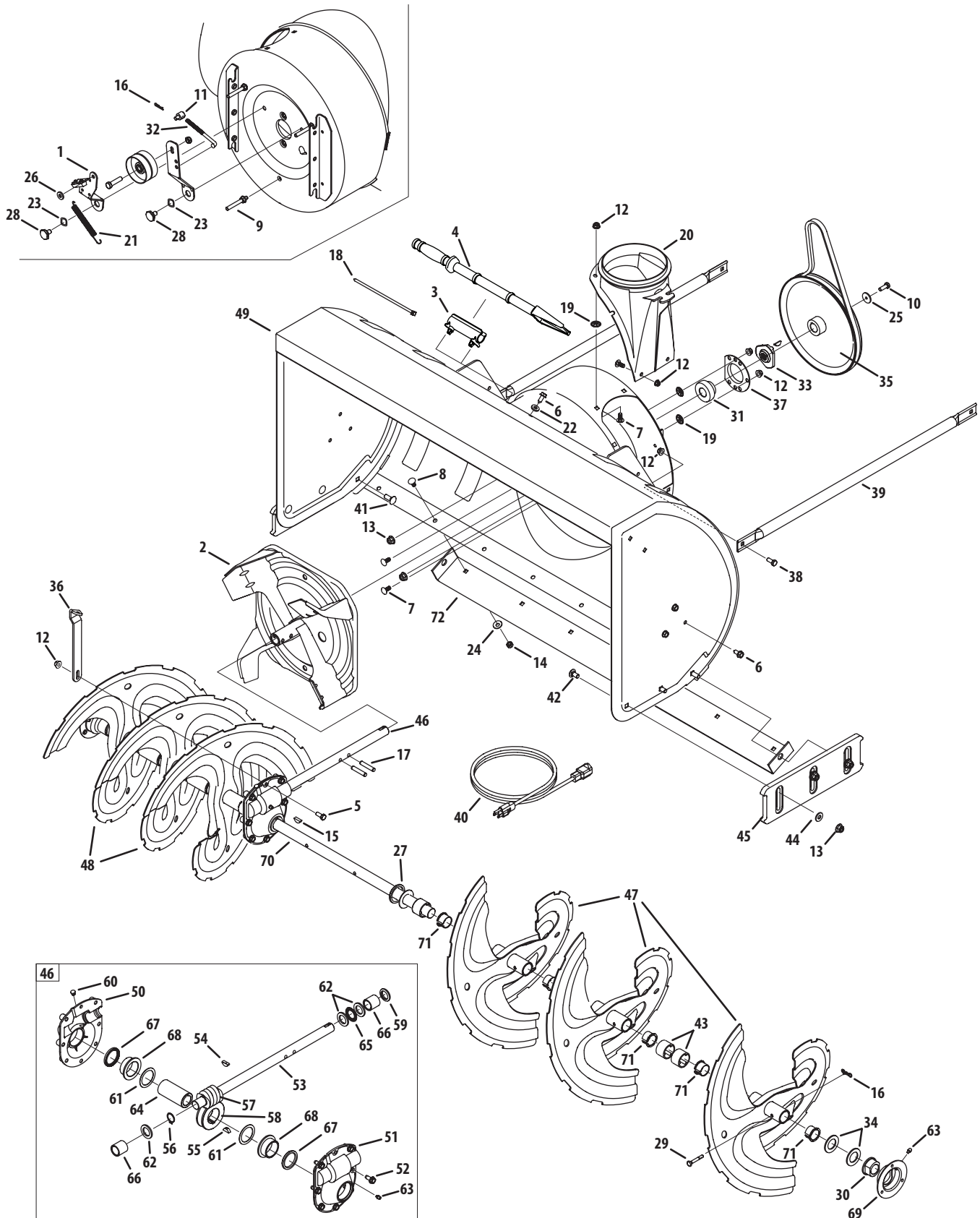
### Two Stage Snow Thrower — 945 SWE

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CUB CADET LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

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# Augers, Auger Housing, and Gearbox

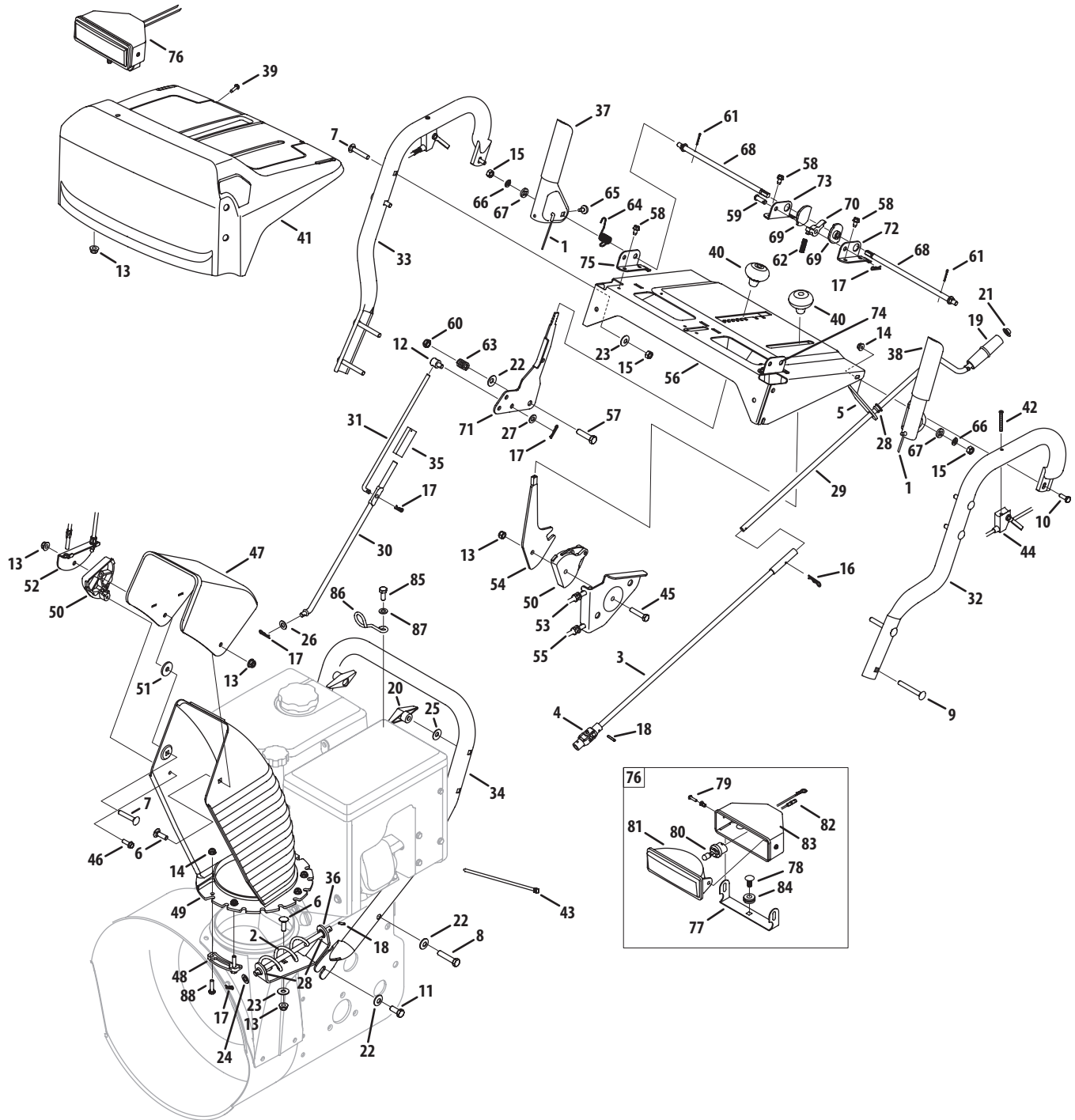


## Augers, Auger Housing, and Gearbox

| Ref. | Part Number     | Description                       |
|------|-----------------|-----------------------------------|
| 1.   | 918-0281A       | Bracket Assembly, Auger Brake     |
| 2.   | 684-0090B-0637  | Impeller, 16"                     |
| 3.   | 731-2635        | Clip, Mounting                    |
| 4.   | 731-2643        | Tool, Clean-out                   |
| 5.   | 710-0376        | Screw, Hex Cap, 5/16-18 x 1.0 Gr5 |
| 6.   | 710-04484       | Screw, 5/16-18 x .750             |
| 7.   | 710-0451        | Screw, Carriage, 5/16-18 x .75    |
| 8.   | 710-04525       | Screw, Carriage, 5/16-18 x .75    |
| 9.   | 710-04606A      | Screw w/Stud, 5/16-18 x .4300     |
| 10.  | 710-1245B       | Screw, Hex Cap Lock, 5/16-24, 875 |
| 11.  | 911-0677        | Ferrule                           |
| 12.  | 712-04063       | Nut, Hex Flange Lock, 5/16-18     |
| 13.  | 712-04065       | Nut, Hex Flange Lock, 3/8-16      |
| 14.  | 712-04103       | Nut, Hex, 5/16-18 Stainless       |
| 15.  | 914-0135        | Key, Woodruff, 1/4 x 3/4          |
| 16.  | 714-04040       | Pin, Bow-tie Cotter               |
| 17.  | 915-0118        | Pin, Spiral, 5/16 x 1.75          |
| 18.  | 725-0157        | Cable Tie                         |
| 19.  | 926-04012       | Nut, Push                         |
| 20.  | 731-1696B       | Adapter, Chute, 6"                |
| 21.  | 732-0858        | Spring, Extension                 |
| 22.  | 936-0159        | Washer, Flat, .349 x .879 .063    |
| 23.  | 736-0174        | Washer, Wave, .625 x .885 x .015  |
| 24.  | 736-04216       | Washer, Bell., .34 x .872 x .06   |
| 25.  | 736-0505        | Washer, Flat, .34 x 1.5 x .15 Ht. |
| 26.  | 936-3008        | Washer, .344 x .75 x .12          |
| 27.  | 736-3046A       | Washer, 1.01 x 1.86 x .06         |
| 28.  | 938-0281        | Screw, Shoulder, .625 x .17       |
| 29.  | 738-04155       | Pin, Shear, .25 x 1.75            |
| 30.  | 741-0192        | Bearing, Flange w/Flats           |
| 31.  | 941-04024       | Bearing, Self Aligning            |
| 32.  | 747-0980A       | Rod, Auger Idler                  |
| 33.  | 748-04067A      | Adapter, Pulley w/Pins            |
| 34.  | 950-04020       | Spacer, 1.004 x 1.375 x .25       |
| 35.  | 756-04244A      | Pulley, Auger Drive, 10.0         |
| 36.  | 790-00264A-0637 | Bracket, Gear Box Support         |

| Ref. | Part Number    | Description                     |
|------|----------------|---------------------------------|
| 37.  | 05244B         | Housing, Bearing                |
| 38.  | 710-3008       | Screw, 5/16-18 x .75 GR5        |
| 39.  | 749-04384-0637 | Tube, Support                   |
| 40.  | 929-0071       | Extension Cord, 110V            |
| 41.  | 710-3034       | Screw, Carr, 3/8-16 x 1.25      |
| 42.  | 710-3168       | Screw, Carriage, 3/8-16 x 1.00  |
| 43.  | 731-05163      | Spacer, 1.50 x 1.00 x 1.00      |
| 44.  | 736-0262       | Washer, Flat, .385 x .87 x .092 |
| 45.  | 731-07032      | Deluxe Skid Shoe                |
| 46.  | 918-04514      | Gear Box Assembly               |
| 47.  | 684-04151-0637 | Spiral Assembly, LH             |
| 48.  | 684-04152-0637 | Spiral Assembly, RH             |
| 49.  | 684-04234-4021 | Housing, Auger - 45"            |
| 50.  | 918-0246       | Housing Assembly, Auger, RH     |
| 51.  | 918-0435       | Housing Assembly, Auger, LH     |
| 52.  | 710-1260A      | Screw, LD, 5/16-18 x .750       |
| 53.  | 711-04714      | Auger Drive Shaft               |
| 54.  | 914-0126       | Key, Hi Pro, 3/16 x 3/4         |
| 55.  | 914-0135       | Key, 1/4 x 3/4 Dia.             |
| 56.  | 716-0111       | External Retainer Ring          |
| 57.  | 917-0299       | Gear, Worm                      |
| 58.  | 917-1425       | Gear, Worm, LH                  |
| 59.  | 921-0145       | Seal, Oil                       |
| 60.  | 721-0325       | Plug                            |
| 61.  | 936-0266       | Wash, Flat, 1.52ID x 2.0 OD     |
| 62.  | 936-0291       | Wash, Flat, .88 ID x .38 OD     |
| 63.  | 937-3000       | Grease Fitting, 3/16            |
| 64.  | 738-0275       | Worm Gear Shaft                 |
| 65.  | 741-0184       | Bearing, Thrust                 |
| 66.  | 941-0217       | Sleeve                          |
| 67.  | 921-0146       | Oil Seal                        |
| 68.  | 741-0670       | Flange Bearing                  |
| 69.  | 784-0315A-0637 | Housing, Bearing                |
| 70.  | 738-04159      | Axle, Spiral                    |
| 71.  | 741-0494       | Flange Bushing                  |
| 72.  | 790-00195A     | Shave Plate                     |

# Handles, Handle Panel & Discharge Chute

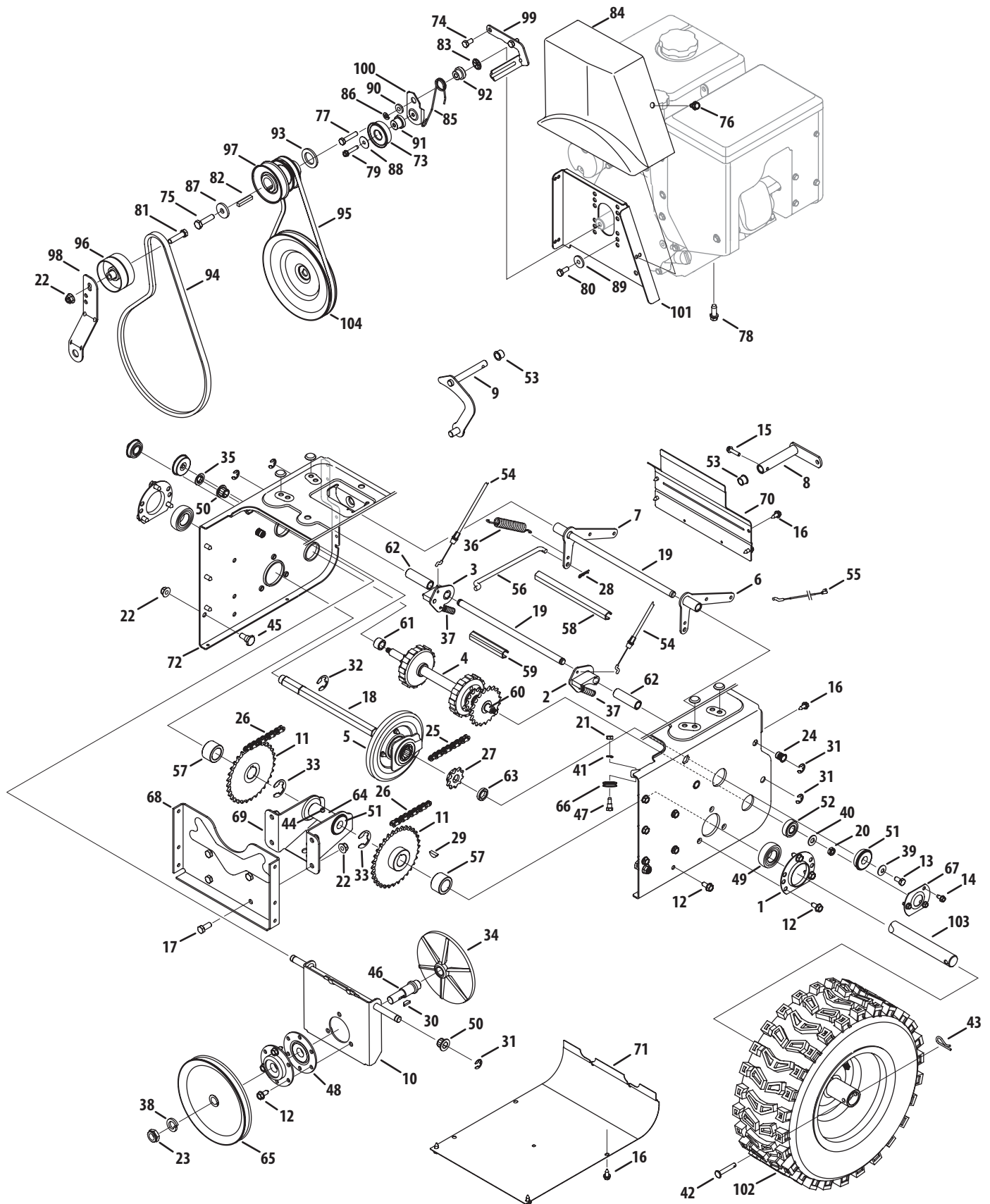


## Handles, Handle Panel & Discharge Chute

| Ref. | Part Number     | Description                      |
|------|-----------------|----------------------------------|
| 1.   | 646-0012        | Cable Ass'y, Auger/Drive         |
| 2.   | 684-04308A      | Chute Crank Assembly             |
| 3.   | 684-04309A-0637 | Chute Crank Rod Assembly         |
| 4.   | 684-04350       | Joint Block Assembly             |
| 5.   | 705-5266-0637   | Chute Crank Bracket              |
| 6.   | 710-0276        | Carriage Screw, 5/16-18 x 1.0    |
| 7.   | 710-0458        | Carriage Screw, 5/16-18 x 1.75   |
| 8.   | 710-04682       | Hex Screw, 3/8-16 x 2.00         |
| 9.   | 710-0572        | Carriage Screw, 5/16-18 x 2.5    |
| 10.  | 710-3015        | Hex Screw, 1/4-20 x .75          |
| 11.  | 710-3118        | Screw, Hex, 3/8-16 x 1.00        |
| 12.  | 911-0677        | Ferrule, 5/16-18 x .312 Dia      |
| 13.  | 712-04063       | Flange Lock Nut 5/16-18          |
| 14.  | 712-04064       | Flange Lock Nut 1/4-20           |
| 15.  | 712-3068        | Hex Lock Nut, 5/16-18 GR5        |
| 16.  | 914-0101        | Internal Cotter Pin              |
| 17.  | 914-0104        | Internal Cotter Pin              |
| 18.  | 715-04095       | Spring Pin, .156 dia. x .875 Lg. |
| 19.  | 720-0201A       | Knob, Crank                      |
| 20.  | 720-04072A      | Wing Knob, 5/16-18               |
| 21.  | 926-0100        | Push Cap, 3/8                    |
| 22.  | 736-0105        | Bell Wash, .375 x .87 x .063     |
| 23.  | 936-0159        | Flat Washer, .349 x .879 x .063  |
| 24.  | 936-0185        | Flat Wash, .375 x .738 x .063    |
| 25.  | 736-0242        | Wash, Bell, .34 x .872 x .06     |
| 26.  | 936-0275        | Flat Wash, .344 x .688 x .065    |
| 27.  | 936-3008        | Flat Washer, .344 x .750 x .120  |
| 28.  | 941-0475        | Plastic Bushing, .38 ID          |
| 29.  | 747-0624-0637   | Upper Chute Crank Rod            |
| 30.  | 747-0983A       | Lower Shift Rod                  |
| 31.  | 747-0997        | Upper Shift Rod                  |
| 32.  | 749-0989A-0637  | Handle, Upper LH                 |
| 33.  | 749-0990A-0637  | Handle, Upper RH                 |
| 34.  | 749-0991-0637   | Handle, Lower                    |
| 35.  | 950-0963        | Shift Rod Connector              |
| 36.  | 790-00329-0637  | Chute Crank Bracket              |
| 37.  | 705-5218        | Engagement Handle, RH            |
| 38.  | 705-5219        | Engagement Handle, LH            |
| 39.  | 710-04669       | Screw, #10-16 x .625             |
| 40.  | 720-04039       | Shift Knob                       |
| 41.  | 731-0061        | Handle Panel, 3-Style            |
| 42.  | 710-1625        | Screw, #10-24 x 1.75             |
| 43.  | 725-0157        | Cable Tie                        |
| 44.  | 746-0950A       | Trigger Control                  |

| Ref. | Part Number    | Description                      |
|------|----------------|----------------------------------|
| 45.  | 710-0805       | Hex Screw 5/16-18 x 1.5          |
| 46.  | 710-0895       | Hex Screw, 1/4-15 x .75          |
| 47.  | 731-0846C      | Upper Chute, 6.0                 |
| 48.  | 731-0851A      | Chute Flange Keeper              |
| 49.  | 731-0903E      | Lower Chute                      |
| 50.  | 731-1313C      | Cbl. Guide, Chute Tilt           |
| 51.  | 936-0231       | Flat Wash, .344 x 1.125 x .12    |
| 52.  | 784-5594-0637  | Cable Bracket                    |
| 53.  | 746-0902       | Chute Control Cable, 66"         |
| 54.  | 784-5604A-0637 | Chute Tilt Handle                |
| 55.  | 746-0903       | Chute Control Cable w/Clip       |
| 56.  | 684-0102A-0637 | Handle Panel                     |
| 57.  | 710-0459A      | Hex Screw, 3/8-24 x 1.5          |
| 58.  | 710-0599       | Hex Screw, 1/4-20 x .5           |
| 59.  | 711-0653       | Clevis Pin, .312 x 1.0           |
| 60.  | 912-0116       | Insert Nut, 3/8-24               |
| 61.  | 914-0507       | Cotter Pin, 3/32 x .75           |
| 62.  | 732-0145       | Compression Spring               |
| 63.  | 732-0193       | Compression Spring               |
| 64.  | 732-0746       | Torsion Spring                   |
| 65.  | 935-0199A      | Rubber Bumper                    |
| 66.  | 936-0119       | Lock Washer, 5/16                |
| 67.  | 736-0509       | Flat Wash, .35 Sq x .72 x .134   |
| 68.  | 747-0877       | Cam Rod                          |
| 69.  | 748-0362       | Handle Lock Cam                  |
| 70.  | 948-0363       | Handle Lock Pawl                 |
| 71.  | 784-5619B-0637 | Shift Handle                     |
| 72.  | 784-5679-0637  | Handle Support Bracket - LH      |
| 73.  | 784-5680-0637  | Handle Support Bracket - RH      |
| 74.  | 784-5682-0637  | Handle Support Bracket - RH      |
| 75.  | 784-5681       | Handle Support Bracket - LH      |
| 76.  | 925-04053      | Light Assembly                   |
| 77.  | 705-5217       | Lamp Mount Bracket               |
| 78.  | 710-0451       | Carriage Bolt, 5/16-18 x .750    |
| 79.  | 710-1240       | Screw, M4 x .7                   |
| 80.  | 925-1658       | Lamp                             |
| 81.  | 925-1669P      | Lamp Housing                     |
| 82.  | 725-04622      | Harness                          |
| 83.  | 731-1364       | Housing                          |
| 84.  | 735-0225       | Grommet                          |
| 85.  | 710-04022      | Hex Head Screw, MB-1.25 x 20     |
| 86.  | 732-04677      | Cable Guide                      |
| 87.  | 936-0264       | Flat Washer, .330 x .630 x .0635 |
| 88.  | 710-0597       | Hex Screw 1/4-20 x 1.0           |

# Snow Thrower Drive System



## Snow Thrower Drive System

| Ref. No. | Part No.       | Description                  | Ref. No. | Part No.       | Description                         |
|----------|----------------|------------------------------|----------|----------------|-------------------------------------|
| 1.       | 05244B         | Housing, Bearing             | 40.      | 936-0300       | Wash, .406 x .875 x .059            |
| 2.       | 618-0279P      | Dogg, Steering Drive, LH     | 41.      | 936-0329       | Washer, Lock, 1/4                   |
| 3.       | 618-0280P      | Dogg, Steering Drive, RH     | 42.      | 711-04615      | Pin, Clevis                         |
| 4.       | 918-0282E      | Shaft Assembly, Steering     | 43.      | 914-0149B      | Pin, Internal Cotter                |
| 5.       | 918-04178      | Assembly, Friction Wheel     | 44.      | 937-3000       | Fitting, Lube, 3/16 Drive           |
|          | 718-04034      | Wheel, Friction, Bonded      | 45.      | 738-0143       | Screw, Shldr., .498 x .34           |
|          | 710-0896       | Screw, Hex Wash              | 46.      | 738-0279       | Spindle, Drive Plate                |
| 6.       | 684-0118B-0637 | Bracket, Auger Actuator      | 47.      | 738-0924A      | Screw, Hex Shldr., 1/4-28           |
| 7.       | 684-0119B-0637 | Bracket, Drive Actuator      | 48.      | 741-0163A      | Ass'y, Bearing/Housing              |
| 8.       | 684-0161-0637  | Arm, Shift                   | 49.      | 941-04025      | Bearing, Self Aligning              |
| 9.       | 984-04103      | Rod Assembly, Shift          | 50.      | 741-04108      | Bearing, Hex Flange                 |
| 10.      | 684-04212-0637 | Brkt, Friction Drive Suprt.  | 51.      | 941-0563       | Bearing, Ball                       |
| 11.      | 684-04235      | Sprocket, 32T                | 52.      | 741-0747       | Bush, Flg, .5625 ID x 1.375 x .4375 |
| 12.      | 710-04484      | TT Screw, 5/16-18 x .750     | 53.      | 741-0748       | Bush, Flg, .5 ID x .627 OD          |
| 13.      | 710-0538       | Screw, Hex Cap Lock,         | 54.      | 746-0949A      | Cable, Steering                     |
| 14.      | 710-0599       | Screw, Hex, 1/4-20 x .50     | 55.      | 946-0951A      | Cable, Auger Idler                  |
| 15.      | 710-0788       | Screw, Hex, 1/4-20 x 1.00    | 56.      | 747-0973       | Rod, Drive Clutch                   |
| 16.      | 710-1652       | Screw, Hex Wash.             | 57.      | 750-04703      | Spacer, 1.01 x 1.50 x .93           |
| 17.      | 710-3001       | Screw, Hex Cap, 3/8-16       | 58.      | 750-04717      | Spacer, .49 x 7.865                 |
| 18.      | 911-04279      | Shaft, Hex Drive             | 59.      | 750-04718      | Spacer, .49 x 3.545                 |
| 19.      | 711-04605      | Shaft, Actuator              | 60.      | 750-05342      | Spacer, .566 x .87 x .190           |
| 20.      | 912-0116       | Nut, Hex Insert Jam Lock     | 61.      | 750-05343      | Spacer, .566 x .87 x 1.25           |
| 21.      | 912-0138       | Nut, Hex, 1/4-28 GR5         | 62.      | 750-0903B      | Spcr., .514 x .632 x 2.44           |
| 22.      | 712-04065      | Nut, Hx Flnge Insert Lk      | 63.      | 950-0997       | Spacer, .675 x 1.0 x .23            |
| 23.      | 912-0413       | Nut, Hx Insert Jam Lk        | 64.      | 750-1302B      | Spcr, .6725 x 1.125 x 2.48          |
| 24.      | 712-0717       | Nut, Insert 3/8-16           | 65.      | 756-0344       | Pulley, Drive                       |
| 25.      | 713-0284       | Chain, Endless, #41 x 36L    | 66.      | 756-0625       | Roller, Cable                       |
| 26.      | 713-0286       | Chain, #420 x 40L            | 67.      | 784-0404       | Retainer Bracket                    |
| 27.      | 913-04015      | Sprocket, #41 x 10T          | 68.      | 784-0406A-0637 | Bracket, Frame Support              |
| 28.      | 914-0104       | Pin, Internal Cotter         | 69.      | 784-0407-0637  | Bracket, Axle Support               |
| 29.      | 914-0135       | Key, Woodruff                | 70.      | 790-00257-4021 | Cover, Upper Frame                  |
| 30.      | 914-0388       | Key, Hi-Pro, 3/16 x 5/8      | 71.      | 790-00259-4021 | Cover, Lower Frame                  |
| 31.      | 916-0104       | E-Ring                       | 72.      | 790-00349-4021 | Trans Frame                         |
| 32.      | 716-0136       | Ring, Retaining              | 73.      | 684-04169      | Idler Pulley Assembly               |
| 33.      | 716-04048      | Ring, Retainer               | 74.      | 710-0157       | Screw, Hex 5/16-24 x .75            |
| 34.      | 917-0302       | Plate, Drive                 | 75.      | 710-0191       | Screw, Hex 3/8-24 x 1.25            |
| 35.      | 726-0221       | Speed Nut, .500              | 76.      | 710-0607       | Screw, Hx Wash Hd Tapp              |
| 36.      | 932-0121       | Spring, Extension            | 77.      | 710-0624       | Screw, Hex Cap, 5/16-24 x 1.50      |
| 37.      | 932-0209       | Spring, Extension            | 78.      | 710-0654A      | Screw, 3/8-16 x 1.00                |
| 38.      | 936-0158       | Washer, Lock, 5/8            | 79.      | 710-0809       | Screw, 1/4-20 x 1.25                |
| 39.      | 736-0242       | Wsh, Bell., .34 x .872 x .06 | 80.      | 710-1245B      | Screw, Hex Cap, 5/16-24 x .875      |

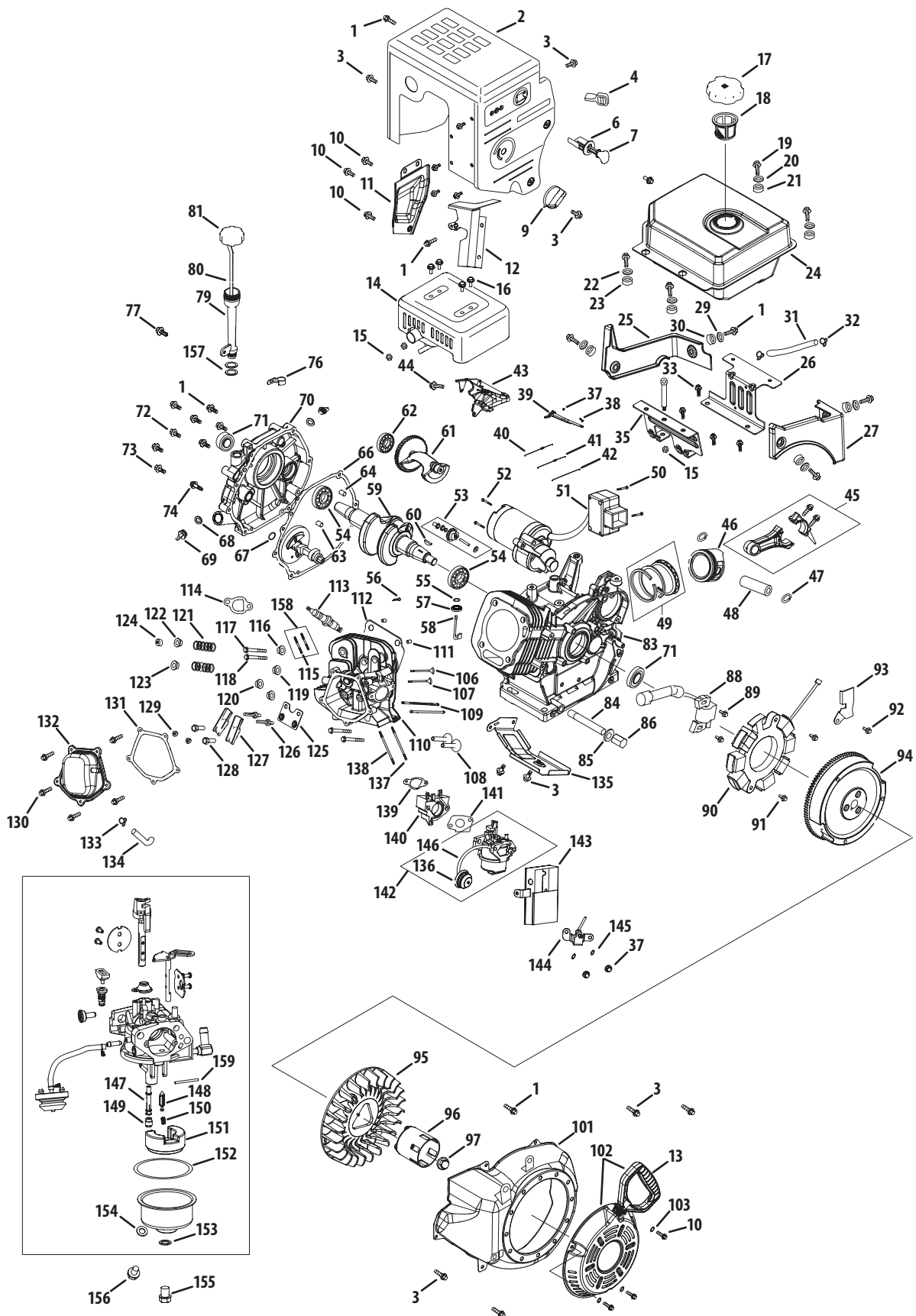
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## Snow Thrower Drive System *(Continued)*

| Ref. No. | Part No.        | Description                          |
|----------|-----------------|--------------------------------------|
| 81.      | 710-0347        | Screw, Hex Cap, 3/8-16 x 1.75        |
| 82.      | 714-0118        | Key, Square, 1/4 x 1.5               |
| 83.      | 926-04012       | Nut, Push                            |
| 84.      | 931-2531        | Cover, Belt                          |
| 85.      | 732-04308A      | Torsion Spring, .850 dia. x .333 lg. |
| 86.      | 936-0119        | Washer, Lock, 5/16                   |
| 87.      | 736-0247        | Washer, Flat, .406 x 1.25            |
| 88.      | 736-3092        | Washer, Flat, .265 x 1.0 x .030      |
| 89.      | 748-0234        | Spacer, Shoulder                     |
| 90.      | 748-04112A      | Shldr. Spacer, .3175 x .500 x .094   |
| 91.      | 750-04571       | Shldr. Spacer, .260 x .785 x .538    |
| 92.      | 750-04821       | Shoulder Spacer, .340 x 1.00         |
| 93.      | 750-05316       | Spacer, 1.02 x 1.63 x .1425          |
| 94.      | 954-04194A      | V-Belt, 4L x 44.60                   |
| 95.      | 954-04202       | V Belt, 3/8 x 36.68                  |
| 96.      | 756-0178        | Pulley, Flat Idler, 2.75 OD          |
| 97.      | 756-0241B       | Double Pulley, 3.25 x 2.75           |
| 98.      | 784-0385C       | Bracket, Auger Idler                 |
| 99.      | 790-00167A-0637 | Belt Keeper Bracket                  |
| 100.     | 790-00208C      | Idler Drive Wheel Bracket            |
| 101.     | 790-00254A-0637 | Belt Cover Bracket                   |
| 102.     | 634-0225A-0931  | Wheel Ass'y. - LH                    |
|          | 634-0226A-0931  | Wheel Ass'y. - RH                    |
|          | 734-2031        | Tire                                 |
|          | 734-1124A-0499  | Rim Assembly                         |
|          | 934-0255        | Valve                                |
| 103.     | 711-04606       | Axle, Wheel, 45"                     |
| 104.     | 756-04244A      | Auger Pulley, 10.0 x .5              |



# 420cc ZS 490-SU Engine



## 420cc ZS 490-SU Engine

| Ref. | Part Number | Description                 |
|------|-------------|-----------------------------|
| 1    | 951-11012   | Bolt, M6 x 16               |
| 2    | 951-11339   | Muffler Shield              |
| 3    | 710-04915   | Bolt, M6 x 12               |
| 4    | 951-11224   | Throttle Control Knob       |
| 6    | 951-10637   | Ignition Switch Assembly    |
| 7    | 731-05632   | Key                         |
| 9    | 951-11302   | Choke Knob                  |
| 10   | 710-04914   | Bolt, Flange, M6 x 10       |
| 11   | 951-11181   | Muffler Baffle              |
| 12   | 951-11321   | Carburetor Heat Shield      |
| 13   | 731-05696   | Starter Handle              |
| 14   | 951-11338   | Muffler Assembly            |
| 15   | 712-04219   | Nut, M8 x 1.25              |
| 16   | 710-05051   | Bolt                        |
| 17   | 951-10649   | Fuel Cap                    |
| 18   | 951-10652   | Fuel Filter                 |
| 19   | 710-04970   | Flange Bolt, M8 x 20        |
| 20   | 736-04450   | Flat Washer                 |
| 21   | 750-05312   | Bushing                     |
| 22   | 736-04451   | Flat Washer                 |
| 23   | 750-05313   | Bushing                     |
| 24   | 951-11201   | Fuel Tank                   |
| 25   | 951-11319   | Fuel Tank Shroud            |
| 26   | 951-11318   | Fuel Tank Mounting Bracket  |
| 27   | 951-11351   | Engine Shroud               |
| 28   | 951-11012   | Bolt                        |
| 29   | 736-04452   | Flat Washer                 |
| 30   | 750-05314   | Bushing                     |
| 33   | 710-04921   | Bolt, Flange, M8 x 14       |
| 35   | 951-11182   | Fuel Tank Mounting Bracket  |
| 37   | 712-04211   | Nut, Flange, M6             |
| 38   | 710-04908   | Bolt, M6 x 21, Governor Arm |
| 39   | 951-11307   | Governor Arm Bracket        |
| 40   | 951-11306   | Governor Spring             |
| 41   | 951-11203   | Throttle Return Spring      |
| 42   | 951-11309   | Governor Rod                |
| 43   | 951-11311   | Throttle Control Assembly   |
| 44   | 710-04916   | Bolt, Flange, M6 x 14       |
| 50   | 710-04965   | Screw, M4 x 55              |
| 51   | 951-11196   | Electric Starter            |

| Ref. | Part Number | Description                   |
|------|-------------|-------------------------------|
| 52   | 710-04967   | Flange Bolt, M8 x 55          |
| 54   | 951-11373   | Bearing                       |
| 55   | 736-04453   | Governor Shaft Washer         |
| 56   | 714-04077   | Governor Shaft Clip           |
| 58   | 951-11365   | Governor Arm Shaft            |
| 60   | 951-10307   | Flywheel Key                  |
| 63   | 715-04102   | Dowel Pin                     |
| 64   | 715-04096   | Dowel Pin, 7 x 14             |
| 66   | 951-11376   | Crankcase Cover Gasket        |
| 67   | 736-04476   | Washer                        |
| 71   | 951-11375   | Oil Seal                      |
| 72   | 710-04971   | Flange Bolt, M8 x 38          |
| 73   | 710-04972   | Bolt, M8 x 45                 |
| 74   | 710-05052   | Bolt, M8 x 35                 |
| 76   | 951-11320   | Oil Tube Support Bracket      |
| 77   | 710-04968   | Flange Bolt M6 x 16           |
| 79   | 951-11206   | Dipstick Tube                 |
| 84   | 951-11350   | Oil Drain Pipe                |
| 85   | 736-04440   | Oil Drain Washer              |
| 86   | 710-04906   | Oil Drain Plug                |
| 88   | 951-11305   | Ignition Coil                 |
| 89   | 710-04920   | Bolt, Flange, M6 x 28         |
| 90   | 951-11216   | Stator                        |
| 91   | 710-04969   | Flange Bolt, M6 x 30          |
| 92   | 710-04966   | Flange Bolt, M6 x 8           |
| 93   | 951-11186   | Alternator Wire Clamp Bracket |
| 94   | 951-11312   | Flywheel                      |
| 95   | 951-11313   | Cooling Fan                   |
| 96   | 951-11314   | Starter Cup                   |
| 97   | 712-04220   | Nut, M16 x 1.5                |
| 101  | 951-11211   | Blower Housing                |
| 102  | 951-11310   | Recoil Starter Assembly       |
| 103  | 736-04455   | Flat Washer Recoil            |
| 111  | 715-04097   | Dowel Pin, 12 x 20            |
| 113  | 951-10292   | Spark Plug                    |
| 114  | 951-11212   | Muffler Gasket                |
| 115  | 710-04964   | Exhaust Stud                  |
| 116  | 736-04478   | Flex Washer                   |
| 117  | 710-05039   | Head Bolt                     |
| 118  | 710-05053   | Bolt, M10 x 1.25 x 87         |

## 420cc ZS 490-SU Engine

| Ref. | Part Number | Description                   |
|------|-------------|-------------------------------|
| 126  | 710-04962   | Rocker Stud Bolt              |
| 128  | 751-11123   | Pivot Adjusting Nut           |
| 129  | 751-11124   | Pivot Locking Nut             |
| 130  | 710-05054   | Bolt - Valve Cover, M6 x 16   |
| 132  | 951-11220   | Valve Cover                   |
| 133  | 726-04101   | Breather Hose Clip            |
| 134  | 951-11221   | Breather Hose                 |
| 135  | 951-11317   | Cylinder Baffle               |
| 136  | 951-10639   | Primer                        |
| 137  | 710-05055   | Carburetor Stud, M6 x 8 x 98  |
| 138  | 710-05056   | Carburetor Stud, M6 x 8 x 118 |
| 139  | 951-11315   | Carb Insulator Gasket         |
| 140  | 951-11353   | Carburetor Insulator          |
| 141  | 951-11354   | Carburetor Gasket             |
| 142  | 951-11352   | Carburetor Assembly           |
| 143  | 951-11304   | Heater Box                    |
| 144  | 951-11192   | Choke Assembly                |
| 145  | 736-04477   | Lock Washer                   |
| 146  | 951-10324   | Primer Hose                   |
| 153  | 951-11348   | Fuel Bowl Gasket              |
| 154  | 951-11349   | Fuel Drain Plug Gasket        |
| 155  | 710-04945   | Fuel Bowl Mounting Bolt       |
| 156  | 710-04903   | Fuel Drain Plug               |
| 157  | 951-11381   | O-Ring                        |
|      | 951-10651   | Fuel Tank Nipple (Not Shown)  |
|      | 952Z490-SU  | Engine Complete               |
| —    | 951-11340   | Crankcase Cover Kit           |
| 54   | 951-11373   | Bearing                       |
| 66   | 951-11376   | Crankcase Cover Gasket        |
| 67   | 736-04476   | Washer                        |
| 70   | —           | Crankcase Cover               |
| 71   | 951-11375   | Oil Seal                      |
| 72   | 710-04971   | Flange Bolt, M8 x 38          |
| 73   | 710-04972   | Bolt, M8 x 45                 |
| 74   | 710-05052   | Bolt, M8 x 35                 |
| —    | 951-11358   | Crankshaft Kit                |
| 54   | 951-11373   | Bearing                       |
| 59   | —           | Crankshaft Assembly           |
| 60   | 951-10307   | Flywheel Key                  |
| 71   | 951-11375   | Oil Seal                      |

| Ref. | Part Number | Description                   |
|------|-------------|-------------------------------|
| —    | 951-11336   | Fuel Line Kit                 |
| 31   | —           | Fuel Line                     |
| 32   | —           | Fuel Line Clamp               |
| —    | 951-11360   | Shortblock Assembly           |
| 45   | —           | Connecting Rod Ass'y Complete |
| 46   | —           | Piston                        |
| 47   | —           | Piston Pin Clip               |
| 48   | —           | Piston Pin                    |
| 49   | —           | Piston Ring Set - Complete    |
| 53   | —           | Governor Assembly             |
| 54   | 951-11373   | Bearing                       |
| 55   | 736-04453   | Governor Shaft Washer         |
| 56   | 714-04077   | Governor Shaft Clip           |
| 57   | —           | Oil Seal - Governor Shaft     |
| 58   | 951-11365   | Governor Arm Shaft            |
| 59   | —           | Crankshaft Assembly           |
| 60   | 951-10307   | Flywheel Key                  |
| 61   | —           | Camshaft Assembly             |
| 62   | —           | Bearing                       |
| 63   | 715-04012   | Dowel Pin                     |
| 64   | 715-04096   | Dowel Pin, 7 x 14             |
| 66   | 951-11376   | Crankcase Cover Gasket        |
| 67   | 736-04476   | Washer                        |
| 70   | —           | Crankcase Cover               |
| 71   | 951-11375   | Oil Seal                      |
| 72   | 710-04971   | Flange Bolt, M8 X 38          |
| 73   | 710-04972   | Bolt, M8 x 45                 |
| 74   | 710-05052   | Bolt, M8 x 35                 |
| 83   | —           | Crankcase                     |
| 84   | 951-11350   | Oil Drain Pipe                |
| 85   | 736-04440   | Oil Drain Washer              |
| 86   | 710-04906   | Oil Drain Plug                |
| 108  | —           | Valve Lifter (Tappet)         |
| 111  | 715-04097   | Dowel Pin, 12 x 20            |
| 112  | —           | Cylinder Head Gasket          |
| 114  | 951-11212   | Muffler Gasket                |
| 117  | 710-05039   | Head Bolt                     |
| 118  | 710-05053   | Bolt, M10 x 1.25 x 87         |
| 131  | —           | Valve Cover Gasket            |
| 139  | 951-11315   | Carb Insulator Gasket         |
| 140  | 951-11353   | Carburetor Insulator          |

| Ref. | Part Number | Description                     |
|------|-------------|---------------------------------|
| —    | 951-11359   | Crankcase Kit                   |
| 54   | 951-11373   | Bearing                         |
| 57   | —           | Oil Seal - Governor Shaft       |
| 71   | 951-11375   | Oil Seal                        |
| 83   | —           | Crankcase                       |
| —    | 951-11361   | Cylinder Head Assembly          |
| 106  | —           | Exhaust Valve                   |
| 107  | —           | Intake Valve                    |
| 110  | —           | Cylinder Head                   |
| 112  | —           | Cylinder Head Gasket            |
| 114  | 951-11212   | Muffler Gasket                  |
| 115  | 710-04964   | Exhaust Stud                    |
| 117  | 710-05039   | Head Bolt                       |
| 118  | 710-05053   | Bolt, M10 x 1.25 x 87           |
| 119  | —           | Intake Valve Seal               |
| 120  | —           | Valve Spring Retainer           |
| 121  | —           | Valve Spring                    |
| 122  | —           | Valve Spring Retainer - Exhaust |
| 123  | —           | Valve Spring Retainer- Intake   |
| 124  | —           | Exhaust Valve Cap               |
| 125  | —           | Push Rod Guide                  |
| 126  | 710-04962   | Rocker Stud Bolt                |
| 127  | —           | Rocker Arm                      |
| 128  | 751-11123   | Pivot Adjusting Nut             |
| 129  | 751-11124   | Pivot Locking Nut               |
| 131  | —           | Valve Cover Gasket              |
| 137  | 710-05055   | Carburetor Stud, M6 x 8 x 98    |
| 138  | 710-05056   | Carburetor Stud, M6 x 8 x 118   |
| 139  | 951-11315   | Carb Insulator Gasket           |
| 140  | 951-11353   | Carburetor Insulator            |
| —    | 951-11355   | Carburetor Kit - Major          |
| 147  | —           | Main Nozzle                     |
| 148  | —           | Needle Valve                    |
| 149  | —           | Main Jet                        |
| 150  | —           | Needle Valve Spring             |
| 151  | —           | Float                           |
| 152  | —           | Bowl Gasket                     |
| 153  | 951-11348   | Fuel Bowl Gasket                |
| 154  | —           | Fuel Drain Plug Gasket          |
| 159  | —           | Float Pin                       |

| Ref. | Part Number | Description               |
|------|-------------|---------------------------|
| —    | 951-11362   | Gasket Kit - Complete     |
| 57   | —           | Oil Seal - Governor Shaft |
| 66   | 951-11376   | Crankcase Cover Gasket    |
| 71   | 951-11375   | Oil Seal                  |
| 85   | 736-04440   | Oil Drain Washer          |
| 112  | —           | Cylinder Head Gasket      |
| 114  | 951-11212   | Muffler Gasket            |
| 131  | —           | Valve Cover Gasket        |
| 139  | 951-11315   | Carb Insulator Gasket     |
| 140  | 951-11353   | Carburetor Insulator      |
| 141  | 951-11354   | Carburetor Gasket         |
| —    | 951-11363   | Gasket Kit - External     |
| 85   | 736-04440   | Oil Drain Washer          |
| 114  | 951-11212   | Muffler Gasket            |
| 131  | —           | Valve Cover Gasket        |
| 139  | 951-11315   | Carb Insulator Gasket     |
| 140  | 951-11353   | Carburetor Insulator      |
| 141  | 951-11354   | Carburetor Gasket         |
| —    | 951-11337   | Valve Kit                 |
| 106  | —           | Exhaust Valve             |
| 107  | —           | Intake Valve              |
| —    | 951-11333   | Valve Cover Kit           |
| 131  | —           | Valve Cover Gasket        |
| 132  | 951-11220   | Valve Cover               |
| —    | 951-11345   | Oil Filler Plug Assembly  |
| 68   | —           | O-Ring                    |
| 69   | —           | Oil Fill Plug             |
| —    | 951-10641   | Oil Drain Assembly        |
| 84   | 951-11350   | Oil Drain Pipe            |
| 85   | 736-04440   | Oil Drain Washer          |
| 86   | 710-04906   | Drain Plug                |
| —    | 951-11335   | Push Rod Kit              |
| 109  | —           | Push Rod                  |
| 158  | 951-11207   | Exhaust Stud Assembly     |
| 115  | 710-04964   | Exhaust Stud              |
| —    | 951-11205   | Dipstick Assembly         |
| 80   | —           | Dipstick                  |
| 81   | —           | Oil Cap                   |

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