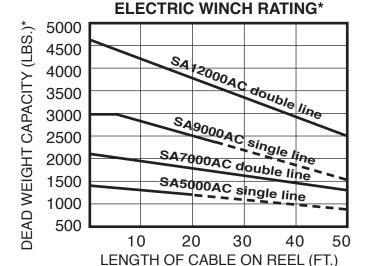


## 120 Volt AC ELECTRIC WINCHES

# MODELS SA5000AC, SA7000AC, SA9000AC, SA12000AC

AWARNING: READ INSTRUCTIONS CAREFULLY BEFORE
ATTEMPTING TO INSTALL, OPERATE OR SERVICE THE STRONGARM
ELECTRIC WINCH. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT
IN SERIOUS OR FATAL INJURY. RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

### WINCH RATINGS



#### **DOUBLE LINE OPERATION**

Models SA7000AC and SA12000AC are factory equipped with a pulley block and hook and 50' of cable for double line operation. This increases the pulling capacity of the winch as shown, however, care must be taken to allow adequate motor cooling. Note that with double line, a pull of 25' requires reeling in 50' of cable.

For intermittent use only. Ratings at left are based on 10' pull. For longer pulls motor cooling periods must be allowed.

MAXIMUM CONTINUOUS RUN TIME 3 MINUTES

CAUTION: CONTINUOUS RUNNING IN EXCESS OF 3 MINUTES WILL DAMAGE WINCH MOTOR.

## GUIDE TO ROLLING LOAD CAPACITY\*\* Maximum weight in pounds and kilograms rolling load.

| MODEL     |             |             |             |             |            |            |            |  |
|-----------|-------------|-------------|-------------|-------------|------------|------------|------------|--|
|           | 5%          | 10%         | 20%         | 30%         | 50%        | 70%        | LOAD       |  |
|           | (3°)        | (6°)        | (11°)       | (17°)       | (26°)      | (35°)      | CAPACITY*  |  |
| SA5000AC  | 8,000 lbs.  | 6,000 lbs.  | 4,000 lbs.  | 3,100 lbs.  | 2,200 lbs. | 1,800 lbs. | 1,200 lbs. |  |
|           | 3,629 kg    | 2,722 kg    | 1,814 kg    | 1,406 kg    | 998 kg     | 816 kg     | 544 kg     |  |
| SA7000AC  | 12,000 lbs. | 9,000 lbs.  | 6,100 lbs.  | 4,600 lbs.  | 3,300 lbs. | 2,700 lbs. | 1,800 lbs. |  |
|           | 5,443 kg    | 4,082 kg    | 2,767 kg    | 2,087 kg    | 1,497 kg   | 1,225 kg   | 816 kg     |  |
| SA9000AC  | 18,000 lbs. | 13,500 lbs. | 9,100 lbs.  | 6,900 lbs.  | 5,000 lbs. | 4,100 lbs. | 2,700 lbs. |  |
|           | 8,165 kg    | 6,124 kg    | 4,128 kg    | 3,130 kg    | 2,268 kg   | 1,860 kg   | 1,225 kg   |  |
| SA12000AC | 26,700 lbs. | 20,100 lbs. | 13,600 lbs. | 10,300 lbs. | 7,400 lbs. | 6,100 lbs. | 4,000 lbs. |  |
|           | 12,111 kg   | 9,117 kg    | 6,169 kg    | 4,672 kg    | 3,357 kg   | 2,767 kg   | 1,814 kg   |  |

## $(\mbox{\ensuremath{^{'}}})$ Load capacity (dead weight) is a measure of actual maximum force to which the winch system may be subjected.

## APPROXIMATE LOAD SPEED (FT/MIN.)

|           | NO I         | OAD           | FULL LOAD    |               |  |  |
|-----------|--------------|---------------|--------------|---------------|--|--|
|           | Full<br>Reel | Empty<br>Reel | Full<br>Reel | Empty<br>Reel |  |  |
| SA5000AC  | 35           | 16            | 16           | 9             |  |  |
| SA7000AC  | 17.5         | 8             | 9.5          | 6             |  |  |
| SA9000AC  | 18           | 6             | 7            | 3.5           |  |  |
| SA12000AC | 9            | 3             | 4            | 2             |  |  |

WARNING: NOT TO BE USED AS A HOIST FOR LIFTING, SUPPORTING OR TRANSPORTING PEOPLE OR LOADS OVER AREAS WHERE PEOPLE COULD BE PRESENT!

<sup>(\*\*)</sup> All capacities shown are with 15' of cable on the reel and 10% rolling friction factor. For full reel of cable adjust capacities according to graph above. Note 5% incline is one-half foot rise in ten feet.

## **IMPORTANT SAFETY INFORMATION**

AWARNING: FAILURE TO READ AND FOLLOW INSTRUCTIONS BELOW COULD RESULT IN SERIOUS OR FATAL INJURY.

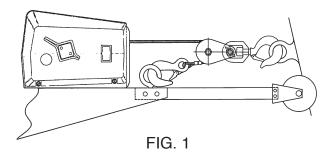
AWARNING: NOT TO BE USED AS A HOIST FOR LIFTING, SUPPORTING, OR TRANSPORTING PEOPLE OR LOADS OVER AREAS WHERE PEOPLE COULD BE PRESENT.

- ⚠ This winch is not designed for movement of human beings. Do not use for scaffolding, elevators, or any other application in which persons could be positioned on or under the load at any time. Do not use as an overhead hoist.
- ▲ Consult the manufacturer before using this winch in any vertical lifting/lowering applications.
- This electric winch should be respected as power equipment. High forces are created when using a winch, creating potential safety hazards. Never allow children or anyone who is not familiar with the operation of the winch to use it.
- Never exceed rated winch load. Dangerously high forces can be created if the load being moved is too large or is allowed to get in a bind, etc. Note that installing longer than normal cable results in increased load on winch. If overloaded, this winch has power enough to break the cable.
- Winch is equipped with a high-quality aircraft cable capable of handling the rated winch load. Never exceed the rated capacity. Do not use vehicle pulling power to increase the pulling capacity of your winch. When cable breakage occurs under tension, the cable tends to whip toward the winch area. It is recommended that a blanket or rug be placed over the cable during winching operations to minimize this whipping action in case of cable breakage.
- Never apply load to winch with cable fully extended. Keep at least three turns of cable on the reel.
- Keep the winching area free of all unnecessary personnel. Never stand between load and winch.

- ⚠ When winching operation has been completed, do not depend on the winch to support the load. Always secure the load properly. Use tie down straps or chains.
- ⚠ The auxiliary handle is provided for emergency use only. Never use the auxiliary handle as an assist to the motor when the motor is running. Always remove the auxiliary handle when it is not in use. Do not operate the winch motor or allow the winch to free wheel with the handle installed.
- A Special care should be taken with 120-volt AC winches, as with any other 120-volt tools. It is recommended that whenever a 120-volt AC winch is out-of-doors that it be used with a ground fault circuit interrupter. The winch should be used only with a three pronged grounded outlet. Do not remove the grounding prong on the power cord for any reason. Do not operate the unit in the rain or when it is wet. Avoid using the winch around water or water pipes and never operate the winch while standing in water.
- ♠ Periodically check the power cord for wear or frays which could cause electrical shorts or shocks.
- A Keep hands and fingers clear of the drum and cable area of the winch when operating. Do not attempt to guide the cable by hand as it rewinds on the drum.
- ⚠ The winch must be securely attached to a structural member or frame that is capable of sustaining loads in excess of the winch capacity. When attaching the winch to a vehicle, make sure the mounting pad area is rigidly supported by the vehicle frame. Always block the wheels to prevent vehicle from rolling when pulling a load with the winch.
- ★When releasing a load with the clutch, maintain control of the speed. Excess speed could result in winch damage and serious personal injury.

#### **MOUNTING INSTRUCTIONS**

- Be sure that the mounting surface is of sufficient strength to support a load well in excess of the rated winch capacity.
- Fasten the winch to the trailer winch stand (or other mounting surface) with three 1/2" bolts, nuts, washers and lock washers. Be sure that the winch is positioned so that the cable does not rub the front opening of the winch.
- 3. For double line use, install an eyehook on the winch stand close to the base of the winch for fastening the stationary cable hook.(see Fig. 1) Be sure the eyehook is of sufficient strength to withstand loads in excess of the single line rating of the winch.



4. Your winch is equipped with keyhole slots in the base for use with quick mounting shoulder studs, if desirable. (See FIG. 2&3) If you wish to use quick mount studs, they should be mounted securely into the winch stand. After positioning the winch on the studs, a 3/8" bolt should be placed in one of the other holes available to keep the winch securely in position.

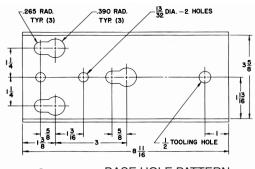


FIG. 2 BASE HOLE PATTERN (SA5000AC & SA7000AC)

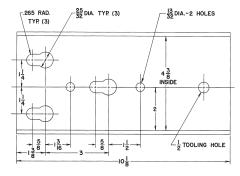


FIG. 3 BASE HOLE PATTERN (SA9000AC & SA12000AC)

## LOADING AND UNLOADING UNDER POWER

With the clutch in the engaged gears position, you may power the winch in either the "in" or "out" direction.

- 1. To operate the unit, simply press the switch "in" for loading and "out" for unloading.
- Allowing the switch to return to the OFF position will automatically stop the winch and lock the load in position.
  - NOTE: It is normal for smoke to be produced during the initial power down use.
- WARNING: BECAUSE THE WINCH IS NOT EQUIPPED WITH CIRCUIT BREAKER OVERLOAD PROTECTION, PARTICULAR CARE SHOULD BE TAKEN NOT TO CREATE AN OVERLOAD. PAY ATTENTION TO THE SOUND OF THE WINCH AND THE LOAD BEING PULLED. MAKE CERTAIN THAT THE CABLE TENSION DOES NOT RISE SUDDENLY BECAUSE OF A BIND IN THE LOAD.
- ▲ CAUTION: The electric motor is designed for intermittent service only. Extended use without cooling off periods will cause overheating resulting in motor damage. Maximum recommended continuous run time is three minutes.
- It is recommended that whenever the winch is not being used that it be unplugged from the power supply. The bridge is subject to damage caused by electrical storms or voltage surges if the winch is left plugged in when not in use.

#### **CLUTCH OPERATION**

- 1. The clutch lever provides a means for releasing a load without power while maintaining control of the speed and provides for free wheeling so that cable can be removed from the winch by hand. The clutch lever is spring loaded so that it returns to the engaged position when released. The lever will, however, remain in the free wheeling position if rotated completely forward to free wheel.
- In order to release a load without power, rotate the clutch lever slowly and carefully forward toward "Free Wheel." When the load begins to move, it can be controlled by the clutch lever. Careful, slow movement of the lever will provide smooth control of the load.
- WARNING: ALWAYS MAINTAIN CONTROL OF THE LOAD. ALLOWING EXCESS SPEED COULD RESULT IN WINCH DAMAGE AND SEVERE PER-SONAL INJURY.
- 3. Remember that the gear train and brake mechanism are completely disengaged in the "Free Wheel" position and in order to power the winch or hold a load in position, the lever must be allowed to return to the "Engaged Gears" position.

NOTE: It is not necessary to turn the clutch lever completely to the "Engaged Gears" position manually. The spring tension built into the winch provides adequate force on the clutch lever.

A CAUTION: Never force clutch lever in either direction.

#### **AUXILIARY HANDLE**

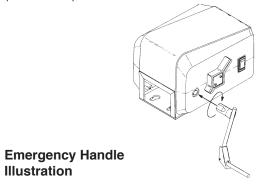
 An emergency crank handle is provided for use in the event of a power failure. Remove the electrical power from the winch.

## WARNING: NEVER OPERATE THE WINCH ELECTRICALLY WITH THE EMERGENCY HANDLE IN POSITION.

 Remove the plastic plug from the side of the winch housing and insert the handle so that it completely engages with the drive shaft. The handle can be cranked in either direction with the clutch in the engaged position. To make cranking easier, the clutch can be placed in the free wheel position while holding onto the emergency handle.

# WARNING: IF THE CLUTCH IS PLACED IN FREE WHEEL FOR HAND CRANKING, BE SURE TO MAINTAIN A FIRM GRIP ON THE HANDLE AT ALL TIMES.

Because the emergency crank handle for models SA9000AC and SA12000AC attaches to the clutch side of the winch, it is equipped with a spring operated clip which will be depressed by the clutch handle in the free wheel position when cranking in a clockwise direction to retrieve the cable. This clip is a safety feature and will reengage the clutch mechanism in the event that the operator loses control of the handle with a load on the winch. (See FIG. 4)



WARNING: EVEN WITH THIS SAFETY FEATURE THE HANDLE WILL STILL SPIN VIOLENTLY ONE OR TWO TURNS BEFORE RE-ENGAGING THE CLUTCH TO STOP THE WINCH. DO NOT LOSE CONTROL.

Always remove the handle from the winch after use and replace the plastic plug.

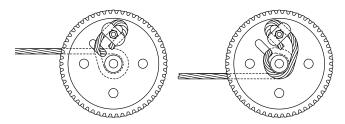
#### **WINCH MAINTENANCE**

For long life and trouble-free operation your winch should periodically be inspected for any required maintenance. This should be done at least once annually and more frequently in adverse conditions such as salt water areas or areas of extreme dust and dirt.

 Carefully inspect the winch cable for any kinks, frays or abnormal stiffness and replace at the first sign of this kind of damage. Periodic lubrication with a light oil will improve the life of the cable. In order to replace the winch cable, it is necessary to remove the clutch handle, by removing the two clutch handle screws, and the four cover mounting bolts. Be sure that the power is disconnected from the housing and lift the housing off of the winch by gently stretching it open near the lower front corner. Rotate the winch reel so that you have access to the rope clamp. Remove the old cable and replace it with a new cable of the same size. Be sure that the cable passes under both sides of the rope clamp and that the clamp is tightened securely. NOTE: CABLE IS WOUND OVER THE TOP OF THE DRUM ON MODELS SA5000AC AND SA7000AC AND UNDER THE DRUM ON MODELS SA9000AC AND SA12000AC. SEE ATTACHMENT METHOD BELOW (FIG. 5).

#### **CABLE ATTACHMENT METHODS**

FIG. 5



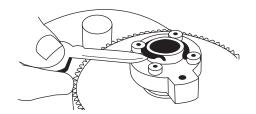
Model SA5000/7000AC

Model SA9000/12000AC

- 2. With the cover removed as described above, inspect the entire gear train and all drive shafts for any significant wear or loose bearing fits. Grease all of the gears on the inside of the winch base and apply a drop of oil on all of the bearings in the base. Also, very sparingly oil all of the bearings in the clutch mechanism and place a drop of oil on the roller clutch. Do not over lubricate these areas and do not use grease in the roller clutch. The clutch mechanism and the brake pads and brake disc must be kept clean and oil free.
- 3. Check the operation of the roller clutch. Carefully rotate the brake disc and observe the motor shaft. When the disc is turned clockwise the motor shaft should turn with it. When the disc is turned counterclockwise the motor shaft should not turn. Also, check all nuts, bolts, retaining rings, etc., to be sure that they are tight and secure.
- 4. If the clutch has been slipping and requires adjustment the following procedures should be used. The clutch is adjustable in ten degree increments. With a screwdriver and pliers, remove the end of the clutch spring from the hole in the winch base. The spring tension is quite high so be careful to maintain a firm grip on the spring. The O-ring should be rotated so that the cut out portions align with the lugs on the spring keeper. (See FIG. 6)

The ring can then be expanded with a pencil or similar object and the spring keeper can be lifted free from the clutch nut. Rotate the keeper clockwise 10 degrees and install on the next serration in the clutch nut. Reinstall O-ring and rotate slightly so that the cut outs are not in line with the lugs on the spring keeper and reinstall the clutch spring into the hole in the base. Adjustment of the clutch more than 10 degrees to 20 degrees should normally not be necessary. With only spring pressure (do not forcibly

FIG. 4



### **O-Ring Illustration**

FIG. 6

tighten the clutch mechanism) the spring lug on the spring keeper should come to rest at approximately the 3:00 o'clock position.(See FIG. 7)

5. Check the pulley block and hook assembly (MODELS SA7000AC AND SA12000AC) to be sure that the pulley rotates freely on the bronze pulley spacer. Occasional greasing of these two items is recommended.

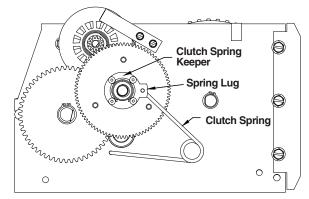
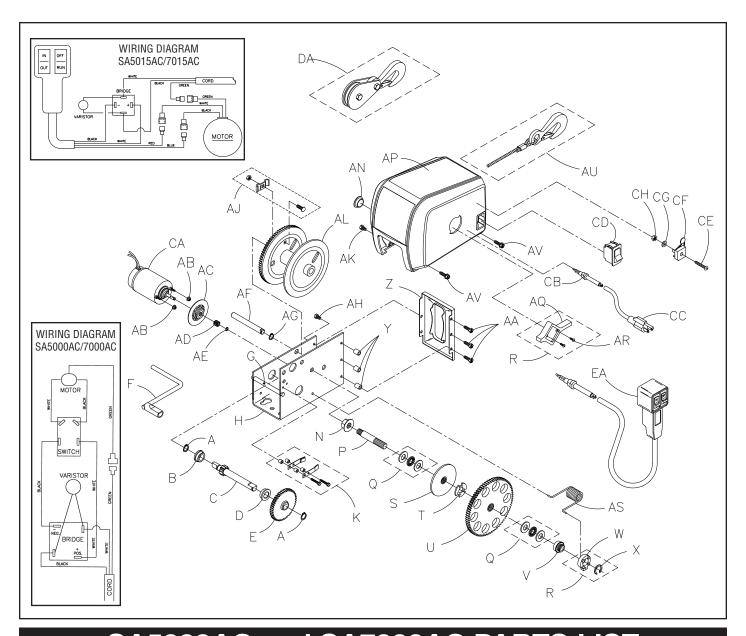
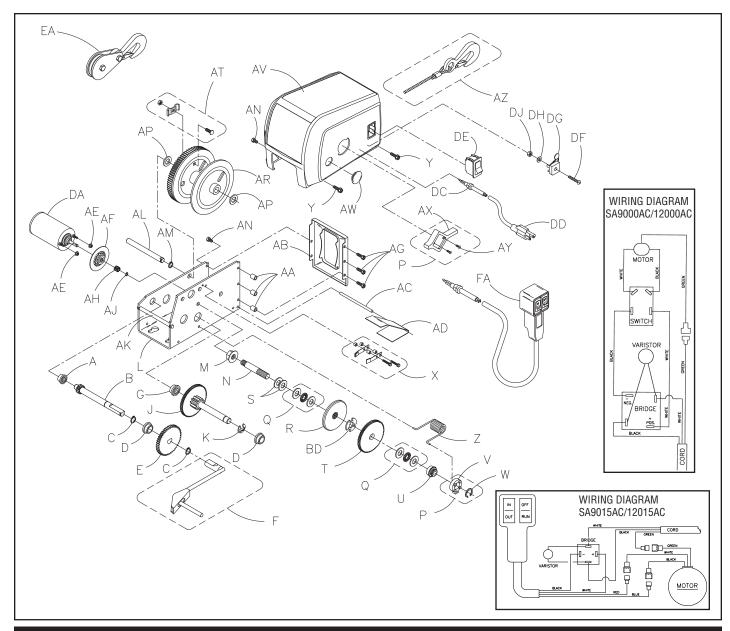


FIG. 7 Clutch Spring Illustration

| TR                                       | OUBLESHOOTING   | CHART  |  |  |
|--|---|--|--|--|
| SYMPTOM                                  | POSSIBLE CAUSE(S)   | CORRECTIVE ACTION  |  |  |
| Safety hook spreads                      | Point loading of hook     Load exceeds rated capacity of unit                                     | Replace hook     Lighten load, reduce %     of incline or reduce load friction   |  |  |
| Cable breaks                             | Cable damage due to miswrap.     Overloading  | Keep tension on cable at all times     Reduce load   |  |  |
| Cable miswrap and/or crushing            | Loose cable being wound onto drum   | Keep tension on cable at all times   |  |  |
| Load creeps when power is OFF            | Brake/clutch out of adjustment     Roller clutch, not engaging     Overloading     Brake slipping | Adjust (see Maintenance).     Replace.     Reduce load.     Replace  |  |  |
| Winch motor runs but fails to wind cable | Clutch is slipping.     Gear train is damaged.  | Check clutch lining for grease or oil. See     "Maintenance" for clutch adjustment procedure.     Check and Repair   |  |  |
| Winch motor runs hot                     | In operation too long   | Let motor cool for at least 20 minutes. (See Winch Rating Section.)  |  |  |
| Winch motor fails to run                 | Electrical  | Check the following: power supply, wiring, control switch, male/female connections and motor.  |  |  |
| Cable will not pull out (free wheel)     | Sticking cable     Sticking clutch  | Avoid cable miswrap.     2.a. "Jog" power switch with clutch in free wheel (No load only).     b. Disassemble, clean & readjust clutch, see "Maintenance". |  |  |
| Smokes                                   | Normal on initial power down use  | None   |  |  |



|     | SA50                          | 000A <u>C</u> | ar   | id SA7000                 | AC_     | PAR1 | ΓS LIS <u>T</u>        |                  |
|-----|-------------------------------|---------------|------|---------------------------|---------|------|------------------------|------------------|
| Ref | . Part                        | Number        | Ref. | Part                      | Number  |      | Part                   | Number           |
| Α   | Retaining Ring (2)            | 205191        | AA   | Screw-1/4-20x5/8 (3)      | 205238  | MOT  | TOR PARTS              |                  |
| В   | Bushing                       | 204012        | AB   | Locknut, 10-32 (2)        | 205193  | CA   | Motor Ass'y.           | 304921           |
| С   | Drive Shaft Ass'y.            | 304813        | AC   | Brake Disc Ass'y.         | 304407  | CB   | Strain Relief Bushing  | 204912           |
| D   | Bushing                       | 204009        | AD   | Motor Pinion              | 404522  | CC   | Cord                   | 205038           |
| Ε   | 56T Gear                      | 204703        | AE   | 'E' Ring                  | 205135  | CD   | Switch                 | 204419           |
| F   | Handle Ass'y.                 | 304412        | AF   | Reel Shaft                | 404559  | CE   | Cap Screw              | 205180           |
| G   | Base Spacer                   | 404557        | AG   | Retaining Ring            | 204468  | CF   | Bridge Ass'y.          | 304426           |
| Η   | Base                          | 404922        | AH   | Screw, 1/4-20x3/8 (2)     | 205337  | CG   | Washer                 | 205194           |
| K   | Brake Spring Replacement Kit  | 5703210       | AJ   | Cable Clamp Kit           | 304617  | CH   | Hex Nut, 8-32          | 205195           |
| N   | Locknut, 7/16-20              | 205192        | AK   | Screw, 1/4-20x3/4 (2)     | 205338  |      |                        |                  |
| Р   | Clutch Stud                   | 404517        | AL   | Reel Ass'y.               | 304812  |      | PULLEY BLOCK           |                  |
| Q   | Thrust Bearing Replacement Ki | t             | AN   | Cover Plug                | 204713  | DA   | Pulley Block & Hook (0 | Complete)5240270 |
|     | (Includes Item X)             | 5703194       | AP   | Cover-SA5000AC/7000AC     | 404564  |      | DE110TE 0111T011       |                  |
| R   | Clutch Handle Replacement Kit |               | AP   | Cover-SA5015AC/7015AC     | 404582  |      | REMOTE SWITCH          | 50.40000         |
|     | (Inc. Items W, X, AQ & AR)    | 5703178       | AP   | Cover-(CSA) SA5000/SA7000 | 404595  | EA   | Switch Ass'y.          | 5240890          |
| S   | Clutch Gear Ass'y.            | 306100        | AP   | Cover-(CSA) SA5015/SA7015 | 404994  |      |                        |                  |
| Τ   | Finger Spring Washer          | 205200        | AQ   | Clutch Handle             | 204712  |      |                        |                  |
| U   | 120T Gear Ass'y.              | 306102        | AR   | Screw, #4 (2)             | 205196  |      |                        |                  |
| V   | Clutch Handle Nut             | 404518        | AS   | Clutch Spring             | 204661  |      |                        |                  |
| W   | Clutch Spring Keeper          | 204721        | AU   | Cable & Hook-3/16x20'     | 5240692 |      |                        |                  |
| Χ   | 'O' Ring                      | 204770        |      | (SA5000AC)                |         |      |                        |                  |
| Υ   | Front Plate Spacer (3)        | 404562        | AU   | Cable & Hook-3/16x50'     | 5240445 |      |                        |                  |
| Ζ   | Front Plate                   | 404553        |      | (SA7000AC)                |         |      |                        |                  |
|     |                               |               | AV   | Screw ,1/4-20x1" (2)      | 205190  |      |                        |                  |
|     |                               |               | AW   | Top Decal (Not Shown)     | 206627  |      |                        |                  |
|     |                               |               | AZ   | Clutch Decal (Not Shown)  | 204731  |      |                        |                  |



## SA9000AC and SA12000AC PARTS LIST

| . Part                    | Number  | Ref.   |  | Number   |  | MOTOR PARTS  |   |
|---------------------------|---|--|--|--|--|--|---|
| Bearing Housing Assy.     | 304314  | AC   | Level Wind Pin   | 404516   | DA   | Motor Assy   | 304921  |
| Primary Drive Shaft Assy. | 304304  | AD   | Level Wind   | 204709   | DC   | Strain Relief Bushing  | 206670  |
| Retaining Ring (2)        | 205191  | ΑE   | Nut, 10-32 Locknut (2)   | 205193   | DD   | Electrical Cord  | 205038  |
| Bushing (2)               | 204012  | AF   | Brake Disc Assy.   | 304422   | DE   | Switch   | 204419  |
| 56T Gear                  | 204703  | AG   | Screw, 1/4-20x7/8 (3)  | 205242   | DF   | Screw – 8-32x1"  | 205180  |
| Aux. Handle Assy.         |   | AH   | 12T Pinion Gear  |  |  |  | 304426  |
| Drive Shaft Bushing       | 304313  |  |  |  |  | Washer   | 205194  |
| Housing Assy.             |   |  | Base Spacer  |  | DJ   | Nut – 8-32   | 205195  |
|                           |   |  |  |  |  | PIII I FY BI OCK   |   |
|                           |   |  |  |  | FΔ   |  | mnlete) 5240270   |
|                           |   |  |  |  | L/\  | ,  | ///pioto/02 1021 0  |
|                           |   |  |  |  |  |  | ==  |
|                           |   |  |  |  | FA   | Switch Assy  | 5240890   |
|                           |   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           | 5703194   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   | AΖ   |  | 5240478  |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   | AΖ   |  | 5240452  |  |  |   |
|                           |   |  |  | 005000   |  |  |   |
|                           |   |  |  |  |  |  |   |
|                           |   |  |  |  |  |  |   |
| Front Plate               | 404511  |  |  |  |  |  |   |
|                           |   | RH   | Clutch Decai (Not Shown)   | 204/31   |  |  |   |
|                           | Primary Drive Shaft Assy. Retaining Ring (2) Bushing (2) 56T Gear Aux. Handle Assy. Drive Shaft Bushing Housing Assy. Interm. Drive Shaft Assy. "E" Ring Base Nut, 7/16-20 Locknut Clutch Stud Clutch Handle Replacement Kit (Includes Items V, W, AX & AY) | Bearing Housing Assy. 304314 Primary Drive Shaft Assy. 304304 Retaining Ring (2) 205191 Bushing (2) 204012 56T Gear 204703 Aux. Handle Assy. 5703079 Drive Shaft Bushing 304313 Housing Assy. Interm. Drive Shaft Assy. 304814 "E" Ring 205116 Base 404921 Nut, 7/16-20 Locknut 205192 Clutch Stud 404517 Clutch Handle Replacement Kit 5703178 (Includes Items V, W, AX & AY) Thrust Bearing Replacement Kit 5703194 (Includes Item W, O-Ring) Clutch Gear Assy 306101 Clutch Gear Assy 306101 Clutch Handle Nut 404518 Clutch Spring Keeper 204721 "O"-Ring 204770 Brake Spring Replacement Kit 5703160 Screw, 1/4-20x1" (2) 205190 Clutch Spring 204711 Spacer (3) 404513 | Bearing Housing Assy.         304314         AC           Primary Drive Shaft Assy.         304304         AD           Retaining Ring (2)         205191         AE           Bushing (2)         204012         AF           56T Gear         204703         AG           Aux. Handle Assy.         5703079         AH           Drive Shaft Bushing         304313         AJ           Housing Assy.         AK         Interm. Drive Shaft Assy.         304814         AL           "E" Ring         205116         AM         AM           Base         404921         AN           Nut, 7/16-20 Locknut         205192         AP           Clutch Stud         404517         AR           Clutch Handle Replacement Kit         5703178         AT           (Includes Items V, W, AX & AY)         AV           Thrust Bearing Replacement Kit 5703194         AV           (Includes Item W, O-Ring)         AV           Clutch Gear Assy         306100         AV           Washer (2)         204360         AW           84T Gear Assy         306101         AX           Clutch Spring Keeper         204721         AZ           "O"-Ring         204770 </td <td>  Bearing Housing Assy.   304314   AC   Level Wind Pin   Primary Drive Shaft Assy.   304304   AD   Level Wind   Retaining Ring (2)   205191   AE   Nut, 10-32 Locknut (2)   Bushing (2)   204012   AF   Brake Disc Assy.   56T Gear   204703   AG   Screw, 1/4-20x7/8 (3)   Aux. Handle Assy.   5703079   AH   12T Pinion Gear   Drive Shaft Bushing   304313   AJ   "E" Ring   Reel Shaft   Wasses Spacer   Reel Shaft   AK   Base Spacer   Reel Shaft   AK   Base Spacer   AK   AC   Cable &amp; Hook   Cover-Sa900012000   AV   Cover-Sa90012000   AV   Cover-Sa90012000   AV   Cover-Sa9015AC/12015AC   AK   Cover-Sa9015AC/12015AC   AK   Cover-Sa9015AC/12015AC   AK   Cover-Sa90</td> <td>  Bearing Housing Assy.   304314   AC   Level Wind Pin   404516   Primary Drive Shaft Assy.   304304   AD   Level Wind   204709   Retaining Ring (2)   205191   AE   Nut, 10-32 Locknut (2)   205193   Bushing (2)   204012   AF   Brake Disc Assy.   304422   56T Gear   204703   AG   Screw, 1/4-20x7/8 (3)   205242   Aux. Handle Assy.   5703079   AH   12T Pinion Gear   404522   Drive Shaft Bushing   304313   AJ   "E" Ring   205135   Housing Assy.   AK   Base Spacer   404510   Interm. Drive Shaft Assy.   304814   AL   Reel Shaft   404514   "E" Ring   205116   AM   Retaining Ring   204468   Base   404921   AN   Screw, 1/4x20x1/2" (4)   205189   Nut, 7/16-20 Locknut   205192   AP   Washer (2)   205109   Clutch Stud   404517   AR   Reel Assy.   304815   Clutch Handle Replacement Kit   5703178   AT   Rope Clamp Kit   5243506   Clucludes Items V, W, AX &amp; AY)   AV   Cover-SA9001/12000AC   204747   Cover-Sa9015AC/12015AC   204630   Clucludes Item W, O-Ring)   AV   Cover-(CSA) SA9000/12000   404942   Clutch Gear Assy   306101   AX   Clutch Handle Nut   404518   AY   Cover-(CSA) SA9000/12000   404942   Clutch Spring Keeper   204721   AZ   Cable &amp; Hook   5240478   Cover, 1/32x55   (SA9000AC)   Clutch Spring Replacement Kit   5703160   AZ   Cable &amp; Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Replacement Kit   5703160   AZ   Cable &amp; Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Replacement Kit   5703160   AZ   Cable &amp; Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Replacement Kit   5703160   AZ   Cable &amp; Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Washer   204721   AZ   Cable &amp; Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Washer   205200   Spacer   304729   A04513   BE   Top Decal (Not Shown)   204739   Front Plate   404511   BG   DL Decal (Not Shown)   204729   Cover-(2000   Clutch Shown)</td> <td>  Bearing Housing Assy.   304314   AC   Level Wind Pin   404516   DA   Primary Drive Shaft Assy.   304304   AD   Level Wind   204709   DC   Retaining Ring (2)   205191   AE   Nut, 10-32 Locknut (2)   205193   DD   Bushing (2)   204012   AF   Brake Disc Assy.   304422   DE   56T Gear   204703   AG   Screw, 1/4-20x7/8 (3)   205242   DF   Aux. Handle Assy.   5703079   AH   12T Pinion Gear   404522   DG   Drive Shaft Bushing   304313   AJ   "E" Ring   205135   DH   Housing Assy.   AK   Base Spacer   404510   DJ   Interm. Drive Shaft Assy.   304814   AL   Reel Shaft   404514   "E" Ring   205116   AM   Retaining Ring   204468   Base   404921   AN   Screw, 1/4x20x1/2" (4)   205189   EA   Nut, 7/16-20 Locknut   205192   AP   Washer (2)   205109   Clutch Stud   404517   AR   Reel Assy.   304815   FA   Clutch Handle Replacement Kit 5703178   AT   Rope Clamp Kit   5243506   Clutch Gear Assy   306101   AV   Cover-SA9000/12000AC   204747   Thrust Bearing Replacement Kit 5703194   AV   Cover-SA90015AC/12015AC   204630   Clutch Gear Assy   306101   AV   Cover-(CSA) SA9000/12000   404942   Clutch Handle Nut   404518   AY   Screw -#4x1/2   205196   Clutch Spring Reper   204770   AZ   Cable &amp; Hook   5240478   (7/32x55') (SA9000AC)   Brake Spring Replacement Kit   5703160   AZ   Cable &amp; Hook   5240478   (7/32x55') (SA9000AC)   Clutch Spring   204771   BD   Finger Spring Washer   205200   Spacer (3)   404513   BE   Top Decal (Not Shown)   204737   Front Plate   404511   BG   DL Decal (Not Shown)   204729   Cover-90000   204729   Cover-9000000000000000000000000000000000000</td> <td>  Bearing Housing Assy.   304314   AC   Level Wind Pin   204709   DC   Strain Relief Bushing Primary Drive Shaft Assy.   304304   AD   Level Wind Pin   204709   DC   Strain Relief Bushing Primary Drive Shaft Assy.   304904   AD   Level Wind Pin   204709   DC   Strain Relief Bushing Primary Drive Shaft Assy.   304907   AF   Brake Disc Assy.   304422   DE   Switch   304402   DF   Screw – 8-32x1"   Aux. Handle Assy.   5703079   AH   127 Pinion Gear   404522   DF   Screw – 8-32x1"   Aux. Handle Assy.   5703079   AH   127 Pinion Gear   404522   DF   Screw – 8-32x1"   Aux. Handle Assy.   304813   AJ   "E" Ring   205135   DH   Washer   DJ   Nut – 8-32   Nut – 8-32  </td> | Bearing Housing Assy.   304314   AC   Level Wind Pin   Primary Drive Shaft Assy.   304304   AD   Level Wind   Retaining Ring (2)   205191   AE   Nut, 10-32 Locknut (2)   Bushing (2)   204012   AF   Brake Disc Assy.   56T Gear   204703   AG   Screw, 1/4-20x7/8 (3)   Aux. Handle Assy.   5703079   AH   12T Pinion Gear   Drive Shaft Bushing   304313   AJ   "E" Ring   Reel Shaft   Wasses Spacer   Reel Shaft   AK   Base Spacer   Reel Shaft   AK   Base Spacer   AK   AC   Cable & Hook   Cover-Sa900012000   AV   Cover-Sa90012000   AV   Cover-Sa90012000   AV   Cover-Sa9015AC/12015AC   AK   Cover-Sa9015AC/12015AC   AK   Cover-Sa9015AC/12015AC   AK   Cover-Sa90 | Bearing Housing Assy.   304314   AC   Level Wind Pin   404516   Primary Drive Shaft Assy.   304304   AD   Level Wind   204709   Retaining Ring (2)   205191   AE   Nut, 10-32 Locknut (2)   205193   Bushing (2)   204012   AF   Brake Disc Assy.   304422   56T Gear   204703   AG   Screw, 1/4-20x7/8 (3)   205242   Aux. Handle Assy.   5703079   AH   12T Pinion Gear   404522   Drive Shaft Bushing   304313   AJ   "E" Ring   205135   Housing Assy.   AK   Base Spacer   404510   Interm. Drive Shaft Assy.   304814   AL   Reel Shaft   404514   "E" Ring   205116   AM   Retaining Ring   204468   Base   404921   AN   Screw, 1/4x20x1/2" (4)   205189   Nut, 7/16-20 Locknut   205192   AP   Washer (2)   205109   Clutch Stud   404517   AR   Reel Assy.   304815   Clutch Handle Replacement Kit   5703178   AT   Rope Clamp Kit   5243506   Clucludes Items V, W, AX & AY)   AV   Cover-SA9001/12000AC   204747   Cover-Sa9015AC/12015AC   204630   Clucludes Item W, O-Ring)   AV   Cover-(CSA) SA9000/12000   404942   Clutch Gear Assy   306101   AX   Clutch Handle Nut   404518   AY   Cover-(CSA) SA9000/12000   404942   Clutch Spring Keeper   204721   AZ   Cable & Hook   5240478   Cover, 1/32x55   (SA9000AC)   Clutch Spring Replacement Kit   5703160   AZ   Cable & Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Replacement Kit   5703160   AZ   Cable & Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Replacement Kit   5703160   AZ   Cable & Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Replacement Kit   5703160   AZ   Cable & Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Washer   204721   AZ   Cable & Hook   5240478   Cover, 1/4-20x1" (2)   205190   Clutch Spring Washer   205200   Spacer   304729   A04513   BE   Top Decal (Not Shown)   204739   Front Plate   404511   BG   DL Decal (Not Shown)   204729   Cover-(2000   Clutch Shown) | Bearing Housing Assy.   304314   AC   Level Wind Pin   404516   DA   Primary Drive Shaft Assy.   304304   AD   Level Wind   204709   DC   Retaining Ring (2)   205191   AE   Nut, 10-32 Locknut (2)   205193   DD   Bushing (2)   204012   AF   Brake Disc Assy.   304422   DE   56T Gear   204703   AG   Screw, 1/4-20x7/8 (3)   205242   DF   Aux. Handle Assy.   5703079   AH   12T Pinion Gear   404522   DG   Drive Shaft Bushing   304313   AJ   "E" Ring   205135   DH   Housing Assy.   AK   Base Spacer   404510   DJ   Interm. Drive Shaft Assy.   304814   AL   Reel Shaft   404514   "E" Ring   205116   AM   Retaining Ring   204468   Base   404921   AN   Screw, 1/4x20x1/2" (4)   205189   EA   Nut, 7/16-20 Locknut   205192   AP   Washer (2)   205109   Clutch Stud   404517   AR   Reel Assy.   304815   FA   Clutch Handle Replacement Kit 5703178   AT   Rope Clamp Kit   5243506   Clutch Gear Assy   306101   AV   Cover-SA9000/12000AC   204747   Thrust Bearing Replacement Kit 5703194   AV   Cover-SA90015AC/12015AC   204630   Clutch Gear Assy   306101   AV   Cover-(CSA) SA9000/12000   404942   Clutch Handle Nut   404518   AY   Screw -#4x1/2   205196   Clutch Spring Reper   204770   AZ   Cable & Hook   5240478   (7/32x55') (SA9000AC)   Brake Spring Replacement Kit   5703160   AZ   Cable & Hook   5240478   (7/32x55') (SA9000AC)   Clutch Spring   204771   BD   Finger Spring Washer   205200   Spacer (3)   404513   BE   Top Decal (Not Shown)   204737   Front Plate   404511   BG   DL Decal (Not Shown)   204729   Cover-90000   204729   Cover-9000000000000000000000000000000000000 | Bearing Housing Assy.   304314   AC   Level Wind Pin   204709   DC   Strain Relief Bushing Primary Drive Shaft Assy.   304304   AD   Level Wind Pin   204709   DC   Strain Relief Bushing Primary Drive Shaft Assy.   304904   AD   Level Wind Pin   204709   DC   Strain Relief Bushing Primary Drive Shaft Assy.   304907   AF   Brake Disc Assy.   304422   DE   Switch   304402   DF   Screw – 8-32x1"   Aux. Handle Assy.   5703079   AH   127 Pinion Gear   404522   DF   Screw – 8-32x1"   Aux. Handle Assy.   5703079   AH   127 Pinion Gear   404522   DF   Screw – 8-32x1"   Aux. Handle Assy.   304813   AJ   "E" Ring   205135   DH   Washer   DJ   Nut – 8-32   Nut – 8-32 |