



54 AT  
 24 VOLT  
 42" SHAFT

|     |           |                                      |    |         |                                       |     |         |                                       |      |         |   |
|-----|-----------|--------------------------------------|----|---------|---------------------------------------|-----|---------|---------------------------------------|------|---------|---|
| 1   | 2-100-101 | ARMATURE ASSEMBLY 24V 3.625          | 41 | 2260506 | HINGE-PIN (HEADLESS) ZINC             | 80  | 2053414 | SCREW-8-32 X 1/2 TRI-LOBE [3.EA]      | 121  | 2256300 | TIE WRAP- 5.5   |
| 2   | 788-015   | RETAINING-RING                       | 42 | 2236000 | BEARING NYLINER [2 EA]                | 81  | 2267600 | GEAR-INDICATOR                        | 122  | 2263201 | CLAMP WIRE HRNS MIDO [2.EA]   |
| 3   | 140-010   | BEARING-BALL                         | 43 | 2303431 | SCREW 1/4 20X5/8 PPH [4 EA]           | 82  | 2301310 | SCREW-8-18 X 1/2 SS                   | 123  | 2332103 | SCREW-6-20 X 3/8  |
| 4   | 431-101   | HOUSING ASSEMBLY CENTER 3.62 TXT     | 44 | 2293611 | BOLT-UPPER ARM [2 EA]                 | 83  | 2355410 | SHRINK TUBE-3/8 OD X2" [2.EA]         | 124  | 2260316 | CONNECTING WIRE VAR SPD   |
| 5   | 421-065   | HOUSING BRUSH END 3.625 TXT          | 45 | 2293600 | BUSHING-SHOULDER UPPER ARM [2 EA]     | 84  | 2232380 | PULLEY-CABLE DRUM                     | 125  | 2260312 | WIRE- BLK/WHT 19 1/4"   |
| 6   | 2-400-101 | PLAIN END HOUSING ASSEMBLY           | 46 | 2152610 | SPRING-PIN (LOCKBAR)                  | 85  | 2261730 | WASHER-NYLON AT CON B                 | 126  | 2260323 | WIRE- BLK/GREN VARIABLE   |
| 7   | 144-049   | BEARING-FLANGE (SERVICE ONLY)        | 47 | 2233600 | LOCK BAR- (BOW MOUNT)                 | 86  | 2776204 | BEARING RACE/ PINION ASSEMBLY         | 127  | 2254031 | SWITCH-MOM/OFF/COM  |
| 8   | 880-003   | SEAL                                 | 48 | 2152700 | SPRING-(LOCKBAR) CAD PLATE            | 87  | 2263410 | SCREW- 8-32 X 5/16 ZN PL [2.EA]       | 128  | 2266412 | SWITCH PLATE, FT PEDAL  |
| 9   | 880-006   | SEAL-W/SHIELD                        | 49 | 2153600 | EYE SHAFT CAD PLATE                   | 88  | 2790002 | FOOT PEDAL/PLUG ASSEMBLY              | 129  | 2332103 | SCREW 6-20 X 3/8 [2.EA]   |
| 10  | 188-036   | BRUSH ASSEMBLY 3.625 [2.EA]          | 50 | 2262310 | GUIDE-ROPE                            | 89  | 2263700 | PUSH-BUTTON FOOT PEDAL                | 130  | 2256031 | TIE WRAP 5.5" WHITE [2.EA]  |
| 11  | 725-050   | PAPER TUBE- BRUSH RETENTION          | 51 | 2251600 | ROPE- 31"                             | 90  | 2302732 | SPRING-LOWER PEDAL SS                 | 131  | 2266414 | BOTTOM PLATE MAX FT PDL   |
| 12  | 738-036   | BRUSH PLATE W/HOLDER                 | 52 | 2267200 | LATCH LEVER                           | 91  | 2264023 | SWITCH - SEALED ASSEMBLY              | 132  | 9953104 | SCREW- 8 X 1/2 PPH SS [8 EA]  |
| 13  | 975-040   | SPRING- TORSION [2 EA]               | 53 | 2263800 | STRAP-HOLD DOWN                       | 92  | 2262114 | SCREW MOUNTING/SWITCH [2.EA]          | 133  | 2266610 | DECAL ON/OFF SWITCH   |
| 14  | 337-036   | GASKET                               | 54 | 2261910 | BRACKET HOLD DOWN STRAP               | 93  | 2233100 | NUT-SWITCH MOUNT [2 EA]               | 134  | 2262535 | CONTROL BOX-PLASTIC   |
| 15  | 701-009   | O-RING THRU BOLT [2 EA]              | 55 | 2260500 | PIN-ROLL LATCH LEVER [2 EA]           | 94  | 2260160 | KNOB-SPEED CONTROL VAR                | 135  | 2267800 | GEAR-INDICATOR [2.EA]   |
| 16  | 701-081   | O-RING                               | 56 | 2263440 | SCREW-10-24 X 3/4 SS                  | 95  | 2263000 | E-RING TRU-ARC                        | 136  | 2262220 | INDICATOR-DRIVE   |
| 17  | 830-007   | #8-32 SCREW [2 EA]                   | 57 | 2333101 | NUT-HEX #10-24 UNC 2B NYL             | 96  | 2266413 | TENSION SCREW-PLATE                   | 137  | 2261905 | BRACKET-INDICATOR   |
| 18  | 830-042   | THRU BOLT 10-32X8.83 [2.EA]          | ■  | 2991344 | BOWGUARD ASSEMBLY 360 FW (INCL 60 67) | 97  | 2260611 | PIN-PIVOT AT FT PDL                   | 138  | 2301310 | SCREW-8-18 X 1/2 SS [2.EA]  |
| 19  | 990-067   | WASHER- STEEL THRUST                 | 58 | 2261921 | BRACKET BASE-LEFT                     | 98  | 2992102 | FOOT PEDAL, BASE/PIN ASSEMBLY         | ■    | 2994611 | BAG ASSEMBLY- (BOLTS,NUTS,WASHERS)  |
| 20  | 990-070   | WASHER-NYLATRON [2.EA]               | 59 | 2261931 | BRACKET BASE-RGHT                     | 99  | 2262301 | PULLEY (FOOT PEDAL)                   | *139 | 2153501 | BOLT-MOUNTING- [6.EA]   |
| 21  | 2099022   | MOTOR ASSEMBLY 24V 3.625 VARS TXT FW | 60 | 2261535 | SPRING SLEEVE LWR                     | 100 | 2223430 | SCREW- #6 X 3/4 PPH TYPE 25 SS [2.EA] | *140 | 2151726 | WASHER-5/16 [6 EA]  |
| 22  | 2032063   | TUBE COMP W/CSK HOLE                 | 61 | 2261525 | SPRING-SLEEVE UPPER                   | 101 | 2266400 | COVER-PULLEY                          | *141 | 2153100 | NUT-5/16 MOUNTING [6.EA]  |
| ■   | 1378122   | PROPELLER KIT                        | 62 | 2262706 | SPRING-BOWGUARD NIK PLT               | 102 | 2301310 | SCREW-8-18 X 1/2 SS [2.EA]            | *142 | 2301720 | WASHER-RUBBER [6 EA]  |
| *24 | 2091150   | PROPELLER (W.WEDGE)                  | 63 | 2267300 | BUSHING-DOWEL [2.EA]                  | 103 | 2264007 | CONTROL BOARD ASSEMBLY 24V MAX 54     |      |         |   |
| *25 | 2151726   | WASHER- 5/16 SS                      | 64 | 2263470 | SCREW-1/4-20 X 1-3/4 SS [4.EA]        | 104 | 2365107 | INSULATING PAD 2.3X3.2                |      |         |   |
| *26 | 2059101   | NUT-PROP 5/16 NYLOC SS               | 65 | 2011365 | SCREW-COLLAR/NEW KNOB                 | 105 | 2264018 | HEAT SINK MACH MAX FT PD              |      |         |   |
| *27 | 2092600   | PIN-DRIVE SS                         | ■  | 2772015 | TUBE W/BEARING RACE ASSEMBLY          | 106 | 2263447 | SCREW #8-32X1" [2.EA]                 |      |         | * This item is part of an assembly. This item cannot be sold separately due to machining and /or assembly that is required. |
| 28  | 2263010   | E-RING 3/8 DIA. SHAFT [4.EA]         | 67 | 2272066 | TUBE OUTER-18"                        | 107 | 2261219 | WIRE HARNESS A/T MAX 82.5             |      |         |   |
| 29  | 2293500   | BUSHING-SHOULDER [2.EA]              | 68 | 2266260 | BEARING RACE-(565T)                   | 108 | 2267500 | CABLE ASSEMBLY-RIGHT (5')             |      |         |   |
| 30  | 2260530   | HINGE PIN-LOWER STAINLESS            | 69 | 2266220 | BEARING RACE- STEEL                   | 109 | 2267510 | CABLE ASSEMBLY-LEFT (5')              |      |         |   |
| 31  | 2260520   | HINGE PIN-UPPER SS                   | 70 | 2266000 | BEARING- BALL STEEL [2.EA]            | 110 | 2265430 | CABLE JACKET (5')                     |      |         |   |
| 32  | 2150400   | PULL-GRP                             | 71 | 2266115 | BEARING CONE                          | 111 | 2265110 | BOOT-CONTROL BOX                      |      |         |   |
| 33  | 2151700   | WASHER-EYE SHAFT [2 EA]              | 72 | 2261619 | COLLAR HALF ZNC 2 PER KIT             | 112 | 2265115 | BOOT-FOOT PEDAL BASE                  |      |         |   |
| ■   | 2991987   | BOWMOUNT ASSEMBLY FW 50AT            | 73 | 2263452 | SCREW-1/4-20X3/4 SHCS SS [2.EA]       | 113 | 2372100 | SCREW-8-18 X 5/8 THD SS [2.EA]        |      |         |   |
| 35  | 2264221   | ARM-UPPER FW/STD                     | 74 | 2260265 | COVER-CTR BOX A/T                     | 114 | 2261714 | WASHER- MAXXUM FT PDL SS [2.EA]       |      |         |   |
| 36  | 2265120   | BUMPER (UPPER ARM)                   | 75 | 2372100 | SCREW-#8-18 X 5/8 [4.EA]              | 115 | 2261900 | BRACKET-CONDUIT                       |      |         |   |
| ■   | 2774304   | LOWER ARM ASSEMBLY                   | 76 | 2265626 | DECAL COVER 54AT                      | 116 | 2263210 | BRACKET-CONDUIT ADJUST                |      |         |   |
| 37  | 2254345   | ARM-LWR FW                           | 77 | 2260150 | POINTER DISC SHORT RED                | 117 | 2262720 | SPRING-CONDUIT AD                     |      |         |   |
| 38  | 2263900   | MOTOR REST                           | 78 | 2265800 | DECAL-INDICATOR                       | 118 | 2263463 | SCREW-1/4-20 X 2 STL PPH              |      |         |   |
| 39  | 2251942   | BOW PLATE D/C                        | 79 | 2375400 | SHRINK TUBE 1/4 X 1-3/4 [2.EA]        | 119 | 2261227 | LEADWIRE- AT VARIABLE                 |      |         |   |
| 40  | 2293801   | TUBE LOCK "D"                        |    |         |                                       | 120 | 2020700 | TERMINAL RING, 3/8 [2.EA]             |      |         |   |

**54 AT**  
**24 Volt System:**

1. Two 12 volt batteries are required.
2. The batteries must be wired in series, only as directed in wiring diagram, to provide 24 volts.
  - a. Connect positive (+) red lead to positive (+) terminal on battery 2.
  - b. Connect the connector cable to negative (-) terminal of battery 2 and to positive (+) terminal of battery 1.
  - c. Connect negative (-) black lead to negative (-) terminal of battery 1.

