

# 97Ti Treadmill - 4HP AC - Prewired - Heart Rate

97TW-0104-04

## Parts Manual

1/5/2019 12:00:45 PM



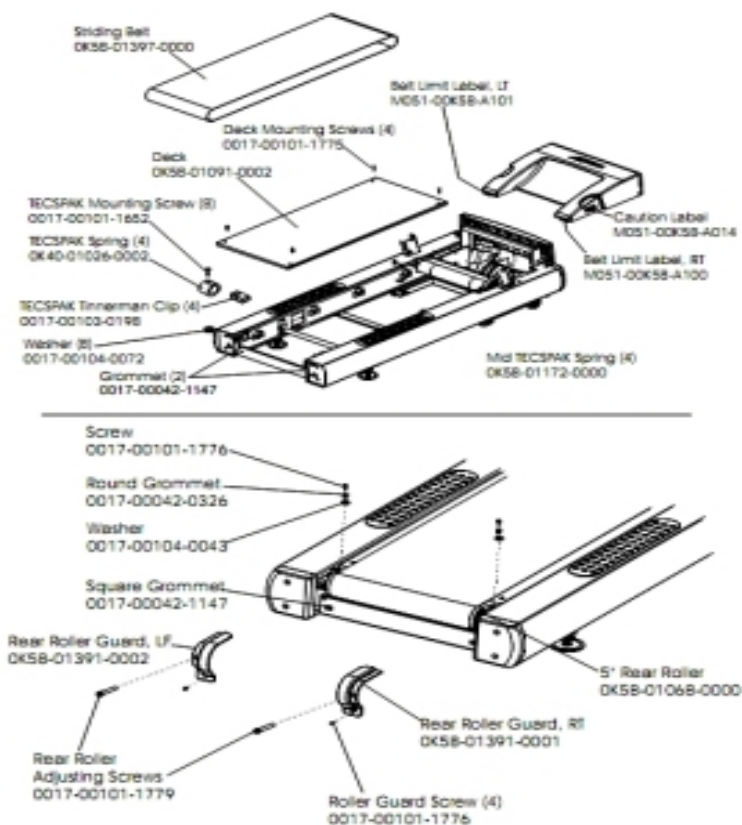


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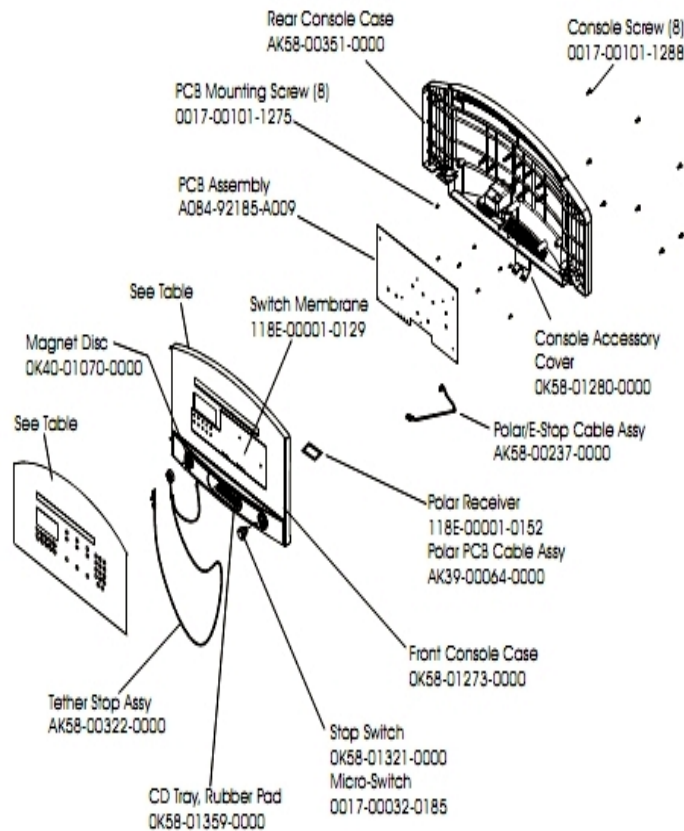
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## Belt, Deck, and Rear Roller



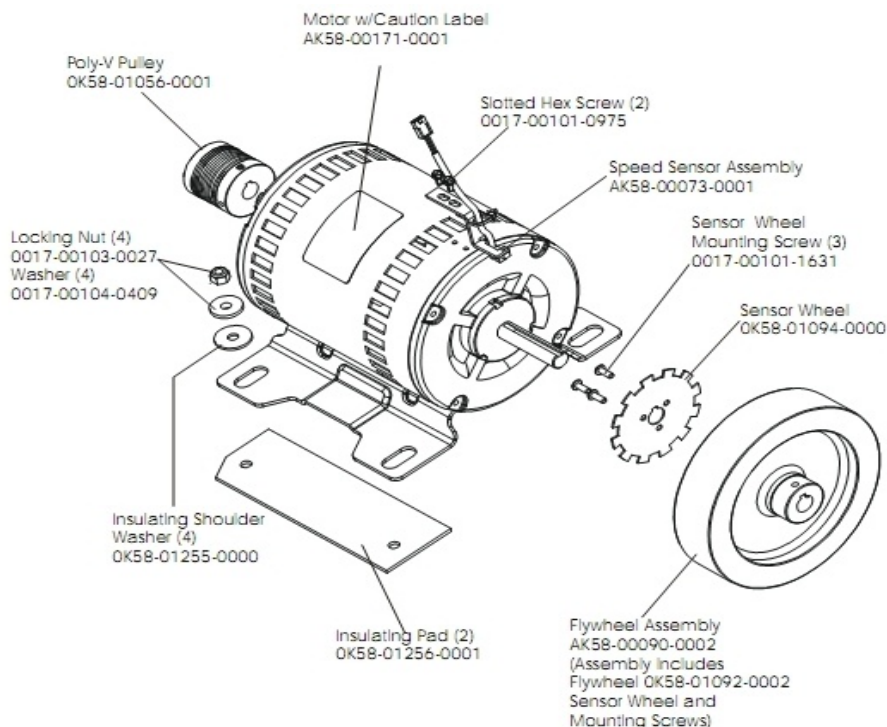
| Ref # | Part Number     | Qty | Description                          |
|-------|-----------------|-----|--------------------------------------|
| -     | 0017-00101-1775 | 4   | Hardware: Deck Screws 1.25"          |
| -     | OK40-01026-0002 | 4   | Deck Spring                          |
| -     | OK58-01397-0000 | 1   | Striding Belt                        |
| -     | OK65-01263-0000 | 1   | Deck                                 |
| -     | 0017-00103-0198 | 4   | Hardware: Tinnerman Clip 1/4" ID     |
| -     | 0017-00104-0072 | 8   | Hardware: Flat Washer 0.562" OD      |
| -     | M051-00K58-A100 | 1   | Label: Belt Limit: Right             |
| -     | 0017-00101-1779 | 2   | Hardware: Rear Roller Adjusting Bolt |
| -     | OK58-01172-0000 | 4   | TECSPA Spring                        |
| -     | OK58-01068-0000 | 1   | Rear Roller - 5"                     |
| -     | M051-00K58-A014 | 1   | Label: Caution                       |
| -     | 0017-00042-0326 | 2   | Hardware: Plastic Grommet            |
| -     | 0017-00042-1147 | 4   | Hardware: Nylon Grommet              |
| -     | 0017-00101-1652 | 8   | Hardware: Spring Mounting Screw 1"   |
| -     | 0017-00104-0043 | 2   | Hardware: Flat Washer 0.734" OD      |
| -     | 0017-00101-1776 | 6   | Hardware: Mounting Screw 0.5"        |
| -     | M051-00K58-A101 | 1   | Belt Limit Label. Left               |
| -     | OK58-01391-0001 | 1   | Rear Roller Guard Right              |
| -     | OK58-01391-0002 | 1   | Rear Roller Guard Left               |

## Console and Related Components



| Ref # | Part Number     | Qty | Description                                      |
|-------|-----------------|-----|--------------------------------------------------|
| -     | OK58-01321-0000 | 1   | Stop Switch                                      |
| -     | AK58-00430-0001 | 1   | Console: English/Metric                          |
| -     | AK58-00202-0001 | 1   | Overlay Switch Bezel Assembly - English/European |
| -     | OK58-01296-0001 | 1   | Overlay - English / Metric                       |
| -     | 118E-00001-0244 | 1   | Heart Rate Receiver                              |
| -     | AK58-00237-0000 | 1   | Cable-Assembly: Polar/E-Stop                     |
| -     | OK58-01273-0000 | 1   | Front Console Case                               |
| -     | OK58-01359-0000 | 1   | Rubber Pad                                       |
| -     | OK40-01070-0000 | 1   | Magnetic Disk                                    |
| -     | 118E-00001-0259 | 1   | Wireless Receiver Module, Non-Coded              |
| -     | 0017-00032-0185 | 1   | Micro Switch 150GR                               |
| -     | OK58-01280-0000 | 1   | Accessory Cover                                  |
| -     | AK58-00351-0000 | 1   | Rear Console Case                                |
| -     | 0017-00101-1275 | 8   | Hardware: Phillips Screw 0.375"                  |
| -     | 0017-00101-1288 | 8   | Hardware: Phillips Screw 0.5"                    |
| -     | A084-92185-A009 | 1   | PCB Assembly                                     |
| -     | AK58-00322-0000 | 1   | Tether Stop Assembly                             |
| -     | 118E-00001-0129 | 1   | Switch Membrane                                  |

## Drive Motor Assembly

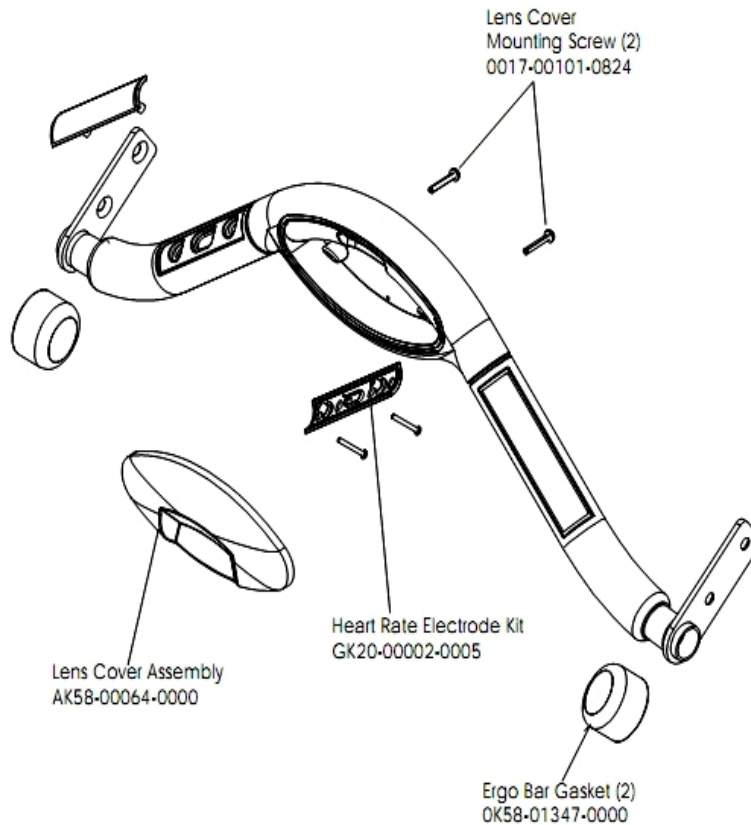


| Drive Motor Assembly Number | Motor Serial Number   |
|-----------------------------|-----------------------|
| AK58-00172-0000             | ATV100000 – ATV100368 |
| AK58-00172-0002             | ATV100369 and up      |

| Ref # | Part Number     | Qty | Description                           |
|-------|-----------------|-----|---------------------------------------|
| -     | 0017-00101-0975 | 2   | Hardware: Mounting Bolt 0.375"        |
| -     | 0017-00103-0027 | 4   | Hardware: Locking Nut 5/16" ID        |
| -     | OK58-01092-0002 | 1   | Cast Iron Flywheel                    |
| -     | AK58-00171-0000 | 2   | Motor with Caution Label              |
| -     | AK58-00073-0001 | 1   | Speed Sensor Assembly                 |
| -     | 0017-00104-0409 | 4   | Hardware: Washer 1.125" OD            |
| -     | OK58-01094-0000 | 1   | Sensor Wheel                          |
| -     | AK58-00090-0002 | 1   | Flywheel Assembly                     |
| -     | OK58-01256-0001 | 2   | Insulating Pad                        |
| -     | 0017-00101-1631 | 3   | Hardware: Sensor Wheel Mounting Screw |
| -     | OK58-01255-0000 | 4   | Hardware: Insulating Washers          |

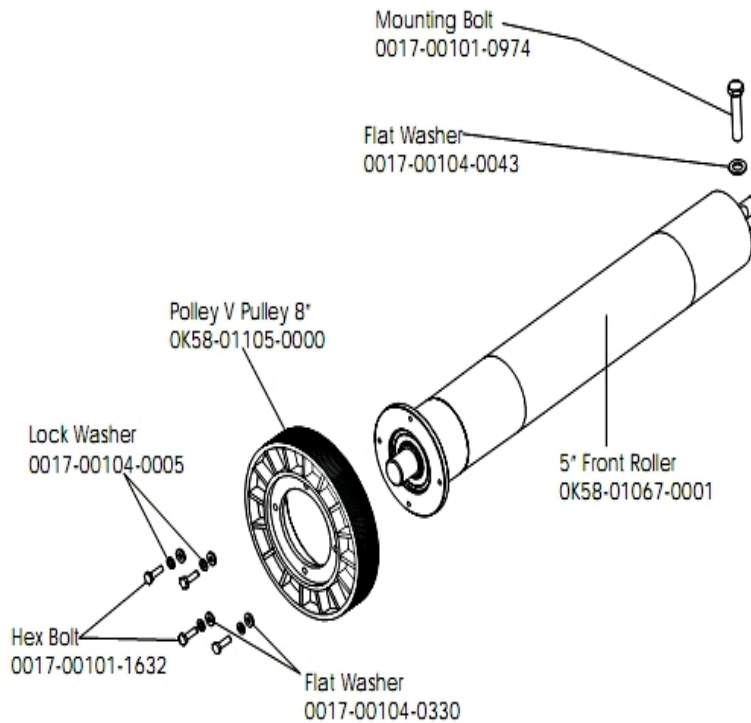
## Ergo Bar with Lifepulse

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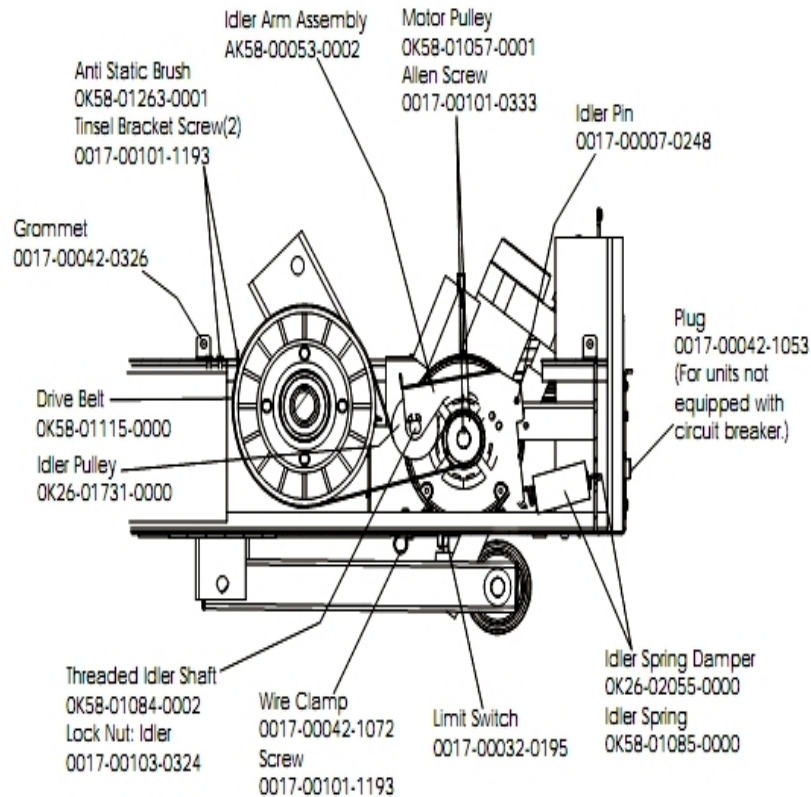
| Ref # | Part Number     | Qty | Description              |
|-------|-----------------|-----|--------------------------|
| -     | AK58-00064-0000 | 1   | I/R Lens Cover Assembly  |
| -     | 0017-00101-0824 | 2   | Hardware: Screw 1.125"   |
| -     | OK58-01347-0000 | 2   | ErgoBar Gasket           |
| -     | GK20-00002-0005 | 2   | Heart Rate Electrode Kit |

## Front Roller Assembly



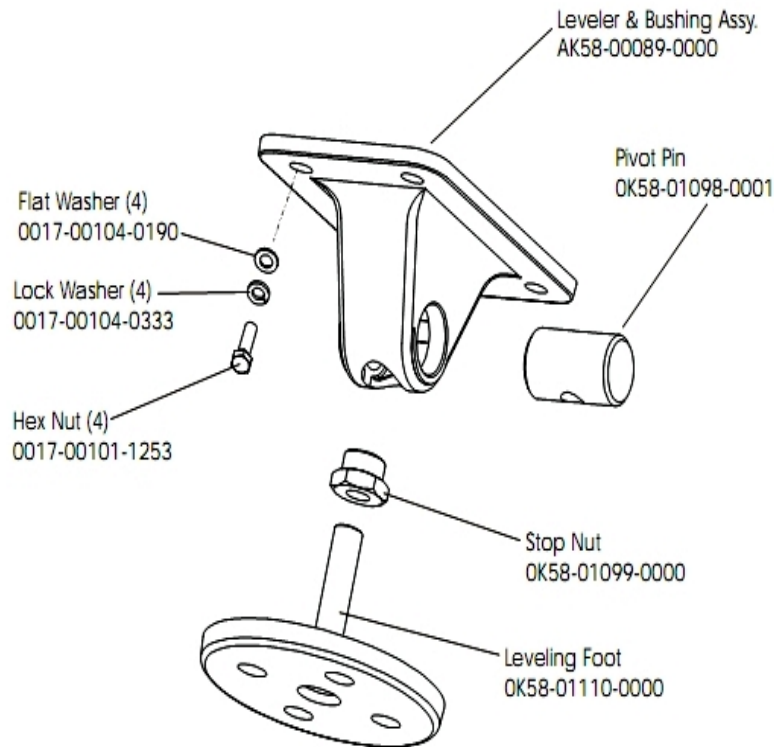
| Ref # | Part Number     | Qty | Description                      |
|-------|-----------------|-----|----------------------------------|
| -     | 0017-00101-0974 | 1   | Hardware: Mounting Bolt 2"       |
| -     | 0017-00104-0330 | 4   | Hardware: Flat Washers 0.562" OD |
| -     | 0017-00101-1632 | 4   | Hardware: Hex Bolt 0.875"        |
| -     | OK58-01067-0001 | 1   | Front Roller - 5"                |
| -     | 0017-00104-0043 | 1   | Hardware: Flat Washer 0.734" OD  |
| -     | 0017-00104-0005 | 4   | Hardware: Lock Washer 0.489" OD  |
| -     | AK58-00067-0000 | 1   | Front Roller Assembly            |
| -     | OK58-01105-0000 | 1   | Drive Pulley Poly V - 8"         |

## Idler Arm Assembly and Static Brush



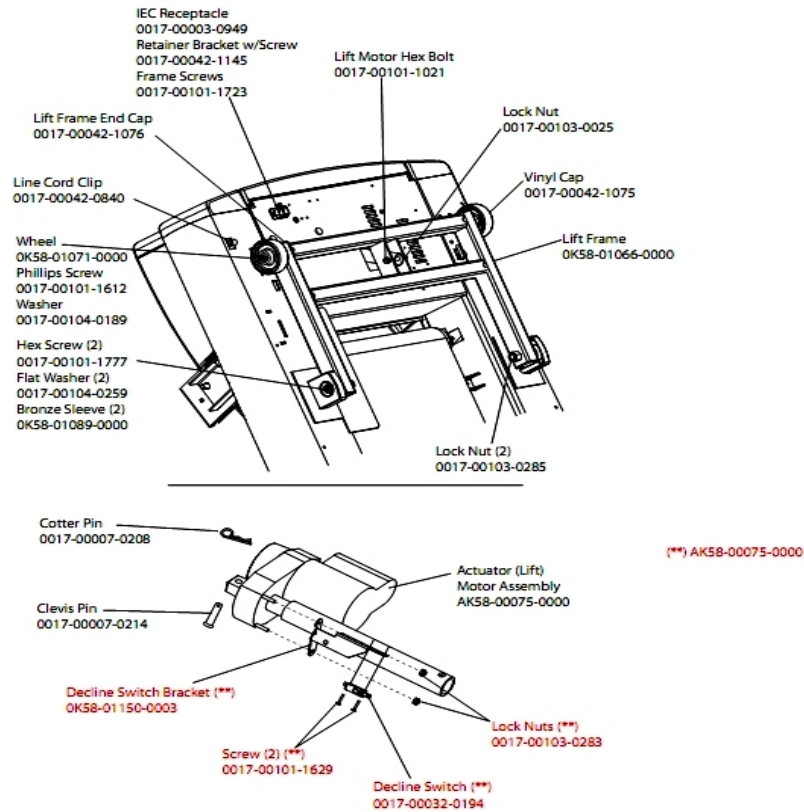
| Ref # | Part Number     | Qty | Description                                         |
|-------|-----------------|-----|-----------------------------------------------------|
| -     | OK58-01057-0001 | 1   | Drive Pulley - 1.971"                               |
| -     | OK58-01263-0001 | 1   | Tinsel Bracket                                      |
| -     | 0017-00042-1053 | 1   | Plug (For units not equipped with circuit breaker.) |
| -     | 0017-00103-0324 | 1   | Hardware: Thin Lock Nut 3/8" ID                     |
| -     | OK26-01731-0000 | 1   | Plastic Idler 2 5/8" OD                             |
| -     | OK26-02055-0000 | 1   | Spring Damper                                       |
| -     | 0017-00032-0195 | 1   | Home Switch                                         |
| -     | 0017-00042-1072 | 1   | Hardware: Wire Clamp - 5/8"                         |
| -     | OK58-01084-0002 | 1   | Threaded Shaft                                      |
| -     | 0017-00007-0248 | 1   | Hardware: Locking Pin .31" D 2.125" L               |
| -     | 0017-00042-0326 | 1   | Hardware: Plastic Grommet                           |
| -     | 0017-00101-1193 | 3   | Hardware: Screw 0.375"                              |
| -     | 0017-00101-0333 | 1   | Hardware: Screw 0.3125"                             |
| -     | AK58-00053-0002 | 1   | Idler Arm Assembly                                  |
| -     | OK58-01085-0000 | 1   | Extension Spring                                    |
| -     | GK58-00002-0129 | 1   | KIT: TREADMILL BELT AND PULLEY                      |

## Leveler Assembly



| Ref # | Part Number     | Qty | Description                     |
|-------|-----------------|-----|---------------------------------|
| -     | 0017-00104-0190 | 8   | Hardware: Flat Washer 0.734" OD |
| -     | AK58-00089-0000 | 2   | Bracket Leveler                 |
| -     | OK58-01098-0001 | 2   | Hardware: Pivot Pin             |
| -     | 0017-00101-1253 | 8   | Hardware: Screw                 |
| -     | 0017-00104-0333 | 8   | Hardware: Washer 0.683" OD      |
| -     | AK58-00464-0000 | 2   | Leveler Assembly                |
| -     | OK58-01110-0000 | 2   | Leveler Foot                    |
| -     | OK58-01099-0000 | 2   | Hardware: Stop Nut              |

## Lift Frame and Lift Motor



| Ref # | Part Number     | Qty | Description                              |
|-------|-----------------|-----|------------------------------------------|
| -     | 0017-00042-1076 | 1   | Lift Frame End Cap                       |
| -     | 0017-00007-0208 | 1   | Hardware: Cotter Pin                     |
| -     | 0017-00101-1629 | 2   | Hardware: Phillips Pan Screw 0.625"      |
| -     | 0017-00101-1777 | 2   | Hardware: Lift Frame Mounting Bolt 2.75" |
| -     | 0017-00104-0189 | 2   | Hardware: Flat Washer 1" OD              |
| -     | OK58-01150-0003 | 1   | Decline Switch Bracket                   |
| -     | 0017-00103-0285 | 2   | Hardware: Nut 5/8" ID                    |
| -     | 0017-00101-1723 | 1   | Hardware: Phillips Pan Screw 0.375"      |
| -     | 0017-00032-0194 | 1   | Mini Switch; SPDT                        |
| -     | 0017-00042-1145 | 1   | Power Cord Retainer                      |
| -     | 0017-00101-1021 | 1   | Hardware: Lift Motor Hex Bolt 2.5"       |
| -     | 0017-00103-0025 | 1   | Hardware: Locking Nut 3/8" ID            |
| -     | 0017-00104-0259 | 2   | Hardware: Washer 1.331" OD               |
| -     | 0017-00103-0283 | 1   | Hardware: Locking Nut ID                 |
| -     | AK58-00220-0000 | 1   | LIFT-FRAME ASSY: MFG. C                  |
| -     | AK58-00075-0000 | 2   | Lift Motor Bracket Assembly              |
| -     | OK58-01089-0000 | 2   | Bronze Sleeve Bushings                   |
| -     | 0017-00042-0840 | 1   | Hardware: Push Mount Clip                |
| -     | OK58-01071-0000 | 2   | Wheel                                    |
| -     | 0017-00101-1612 | 2   | Hardware: Phillips Screw 0.5"            |
| -     | 0017-00042-1075 | 1   | Vinyl Cap                                |
| -     | 0017-00003-0949 | 1   | IEC Receptacle                           |

| Ref # | Part Number     | Qty | Description                         |
|-------|-----------------|-----|-------------------------------------|
| -     | 0017-00007-0214 | 1   | Hardware: Clevis Pin 3/8" D 1.75" L |

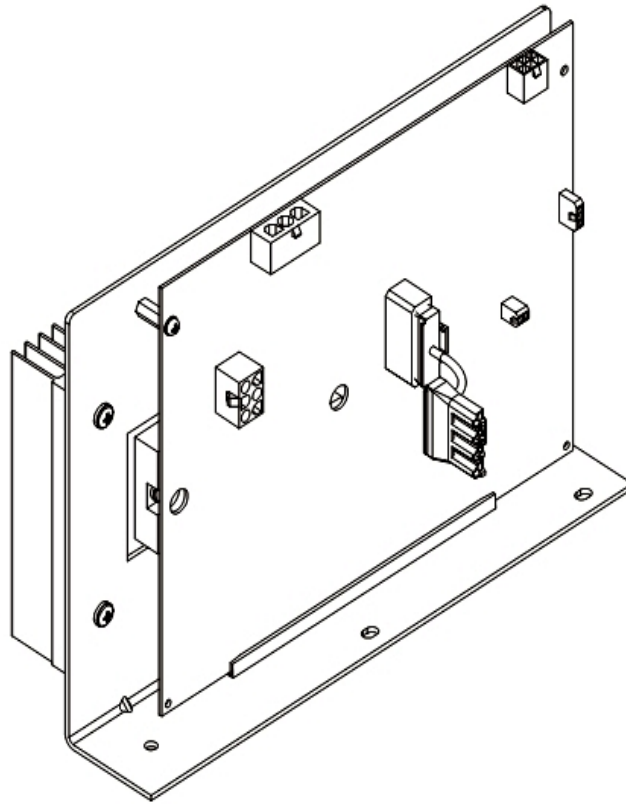
## Miscellaneous

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| Ref # | Part Number     | Qty | Description                     |
|-------|-----------------|-----|---------------------------------|
| -     | AK58-00226-0000 | 1   | Hardware Bag                    |
| -     | AK32-00020-0002 | 1   | Coax Cable: 120"                |
| -     | AK32-00078-0001 | 1   | Power Extension Cable: 120"     |
| -     | 0017-00008-0206 | 1   | .33oz Pen - Arctic Silver       |
| -     | 0017-00008-0204 | 1   | Paint Spray Can - Arctic Silver |
| -     | 0017-00008-0205 | 1   | 5 oz Bottle - Arctic Silver     |

## Motor Controller Assembly

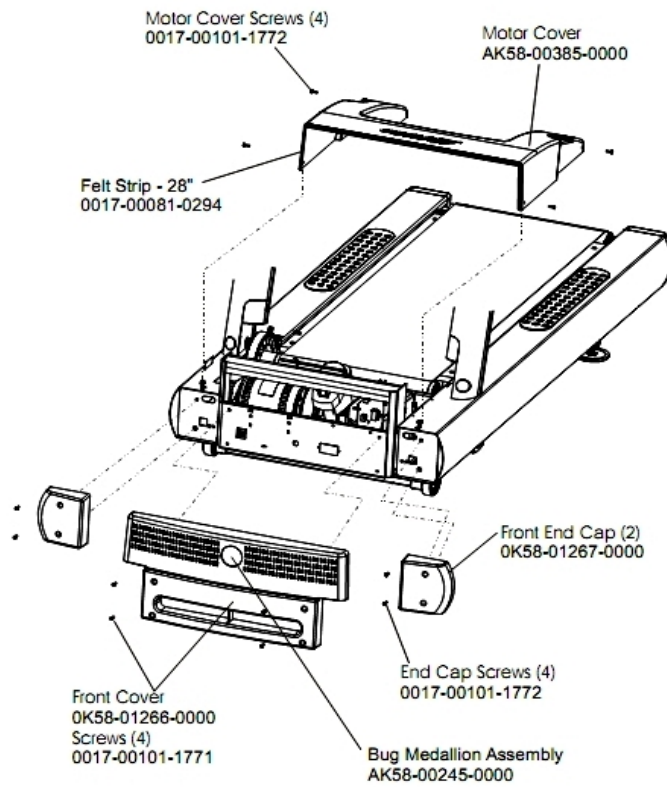
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| Ref # | Part Number     | Qty | Description                          |
|-------|-----------------|-----|--------------------------------------|
| -     | GK65-00002-0019 | 1   | Motor Controller Assembly (200-240V) |

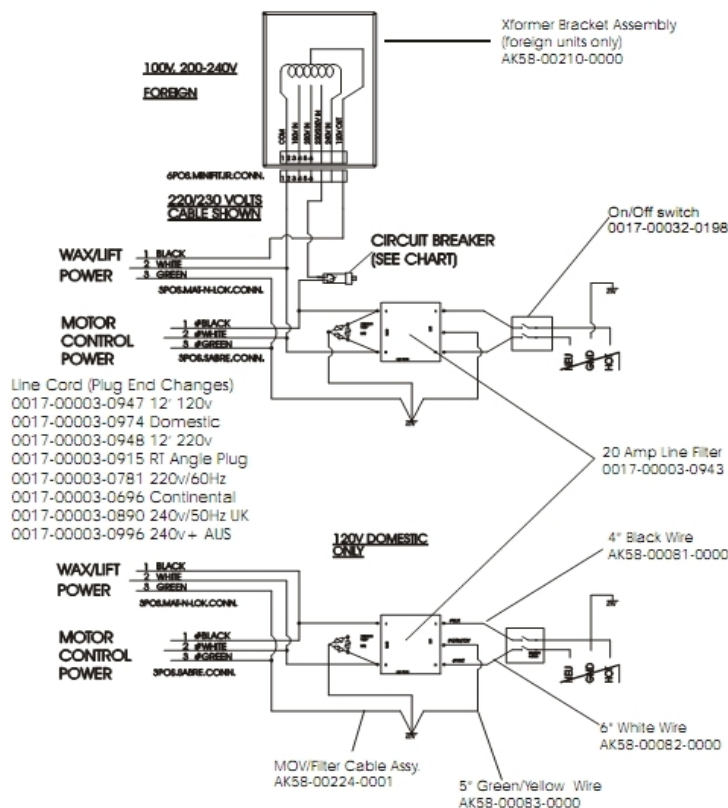
## Motor Cover, Front Cover and End Caps

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| Ref # | Part Number     | Qty | Description                       |
|-------|-----------------|-----|-----------------------------------|
| -     | OK58-01267-0000 | 2   | End Cap                           |
| -     | AK58-00385-0000 | 1   | Motor Cover                       |
| -     | 0017-00101-1771 | 4   | Hardware: Phillips Pan Screw      |
| -     | OK58-01266-0000 | 1   | Front Cover                       |
| -     | 0017-00081-0294 | 1   | Felt Strip - 28"                  |
| -     | 0017-00101-1772 | 8   | Hardware: Phillips Pan Screw 0.5" |
| -     | AK58-00245-0000 | 1   | Bug Medallion                     |

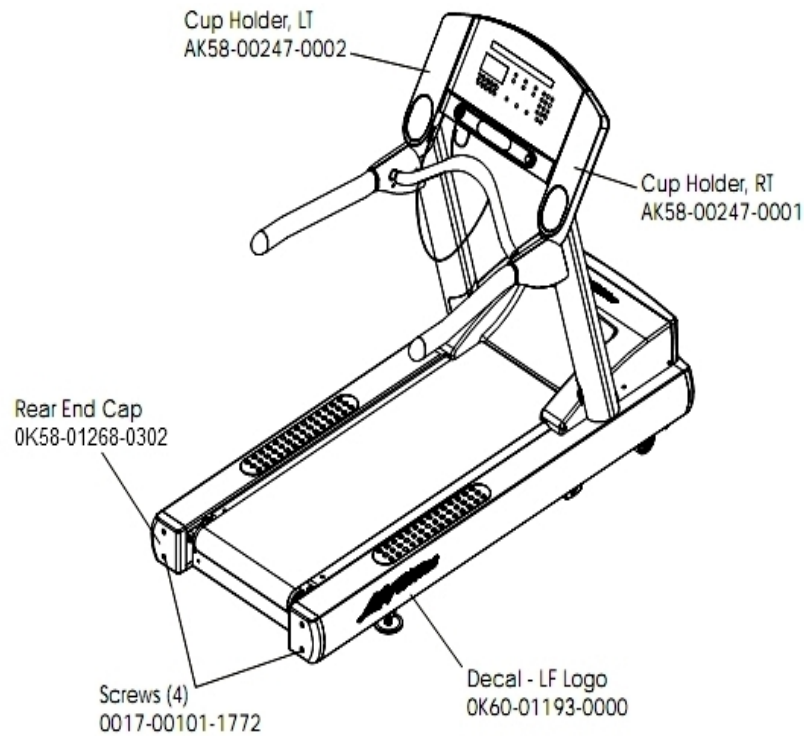
## Power Components Schematic



| Ref # | Part Number     | Qty | Description                                        |
|-------|-----------------|-----|----------------------------------------------------|
| -     | 0017-00003-0943 | 1   | 10 Amp Line Filter 230v or higher                  |
| -     | AK58-00081-0000 | 1   | Jumper Cable Assembly: Black - 4"                  |
| -     | 0017-00003-0996 | 1   | Line Cord: Australia 230/50                        |
| -     | AK58-00224-0001 | 1   | Cable: MOV; Fliter                                 |
| -     | AK58-00082-0000 | 1   | Jumper Cable Assembly: White - 6"                  |
| -     | 0017-00032-0198 | 1   | On/Off Switch 22A                                  |
| -     | AK58-00210-0000 | 1   | Transformer-Bracket Assembly                       |
| -     | 0017-00003-0915 | 1   | Line Cord RT Angle Plug                            |
| -     | AK58-00083-0000 | 1   | Cable Assembly                                     |
| -     | 0017-00003-0696 | 1   | Line Cord: International High Voltage (Cont.) 103" |

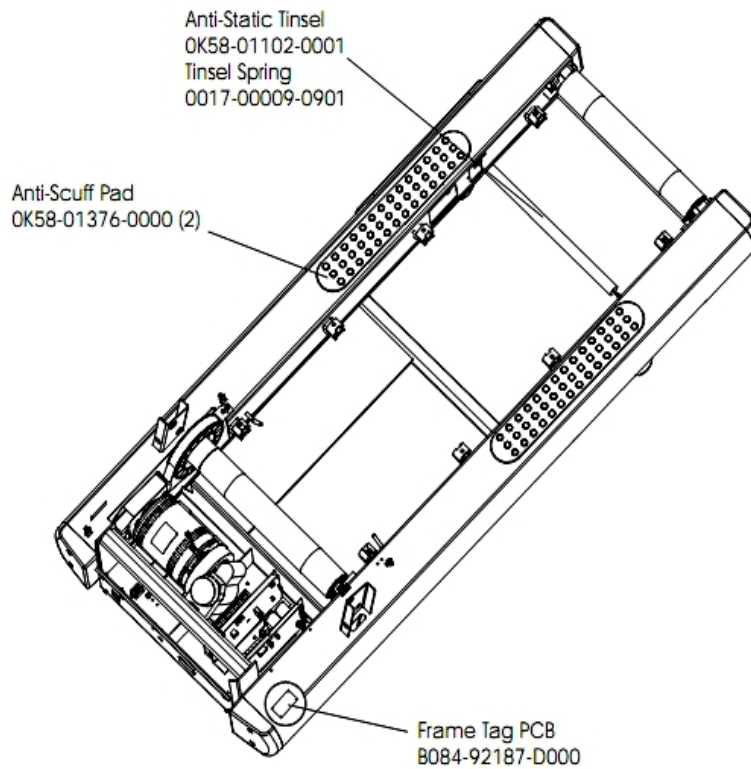
## Rear End Caps and Cup Holders

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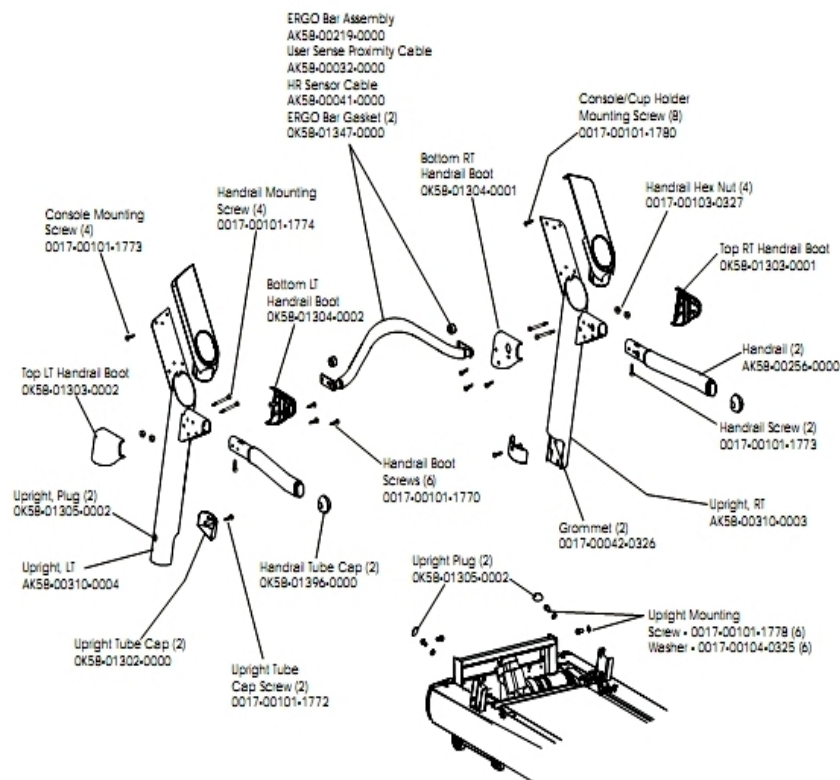
| Ref # | Part Number     | Qty | Description                       |
|-------|-----------------|-----|-----------------------------------|
| -     | OK58-01268-0302 | 1   | ENDCAP: REAR; STEALTH D           |
| -     | 0017-00101-1772 | 4   | Hardware: Phillips Pan Screw 0.5" |
| -     | AK58-00247-0001 | 1   | Cup Holder Right                  |
| -     | OK60-01193-0000 | 2   | Decal: LF Logo                    |
| -     | AK58-00247-0002 | 1   | Cup Holder Left                   |

## Scuff Pad, Tinsel and Frame Tag Board



| Ref # | Part Number     | Qty | Description             |
|-------|-----------------|-----|-------------------------|
| -     | OK58-01376-0000 | 2   | Anti-Scuff Pad          |
| -     | 0017-00009-0901 | 1   | Tinsel Extension Spring |
| -     | OK58-01102-0001 | 1   | Anti-Static Tinsel      |
| -     | B084-92187-D000 | 1   | Frame Tag PCB           |

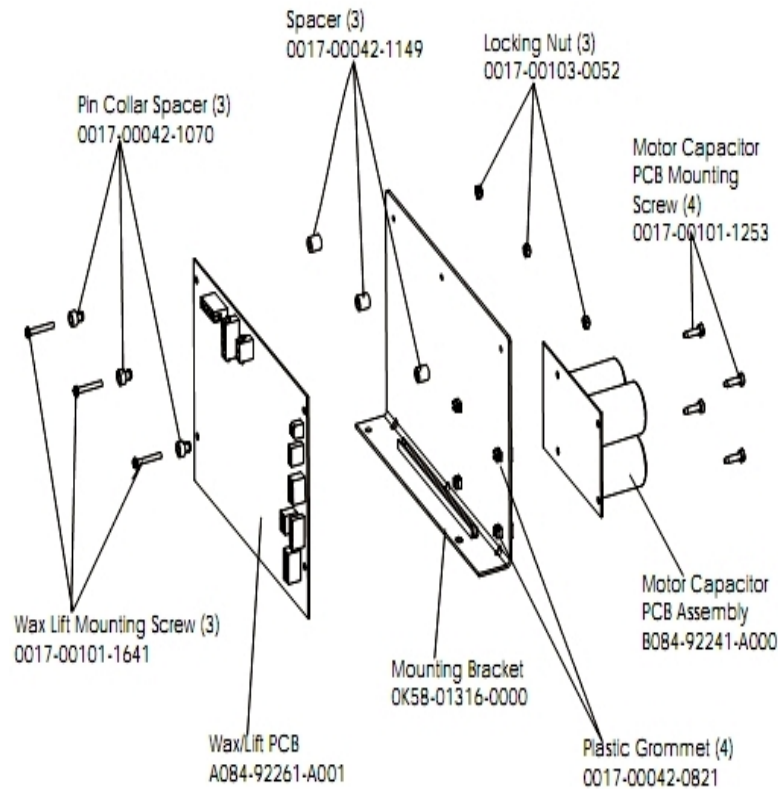
## Uprights, Handrails and Ergo Bar



| Ref # | Part Number     | Qty | Description                       |
|-------|-----------------|-----|-----------------------------------|
| -     | 0017-00101-1773 | 6   | Hardware: TORX Screw 0.5"         |
| -     | AK58-00041-0000 | 1   | Heartrate Sensor Cable            |
| -     | OK58-01396-0000 | 2   | Endcap                            |
| -     | OK58-01303-0002 | 1   | Top Left Handrail Boot            |
| -     | OK58-01304-0001 | 1   | Bottom Right Handrail Boot        |
| -     | OK58-01304-0002 | 1   | Bottom Left Handrail Boot         |
| -     | AK58-00219-0000 | 1   | Ergo Bar with Heart Rate Sensors  |
| -     | 0017-00101-1772 | 2   | Hardware: Phillips Pan Screw 0.5" |
| -     | OK58-01303-0001 | 1   | Top Right Handrail Boot           |
| -     | 0017-00101-1778 | 6   | Hardware: Hex Bolt 1"             |
| -     | AK58-00310-0003 | 1   | Upright: Right                    |
| -     | 0017-00042-0326 | 2   | Hardware: Plastic Grommet         |
| -     | 0017-00103-0327 | 4   | Hardware: Hex Nut 5/16" ID        |
| -     | OK58-01302-0103 | 2   | Cap: Upright Tube; Arctic Silver  |
| -     | OK58-01305-0002 | 6   | Upright Plug                      |
| -     | AK58-00032-0000 | 1   | User Proximity Sensor Cable       |
| -     | AK58-00256-0001 | 2   | Handrail                          |
| -     | AK58-00311-0004 | 1   | Upright: Left                     |
| -     | OK58-01347-0000 | 2   | ErgoBar Gasket                    |
| -     | 0017-00104-0325 | 6   | Hardware: Washer 0.873" OD        |
| -     | 0017-00101-1774 | 4   | Hardware: TORX Screw 2.5"         |
| -     | 0017-00101-1780 | 8   | Hardware: Mounting Screws         |

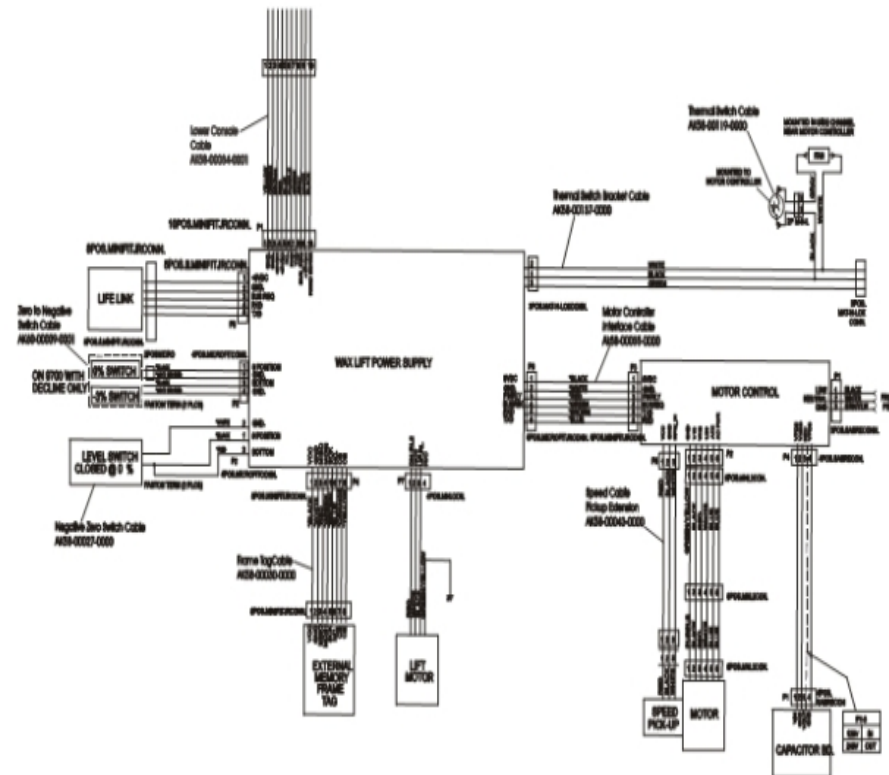
| Ref # | Part Number     | Qty | Description                       |
|-------|-----------------|-----|-----------------------------------|
| -     | 0017-00101-1770 | 6   | Hardware: Phillips Pan Screw 0.5" |

## Wax/Lift Assembly



| Ref # | Part Number     | Qty | Description                  |
|-------|-----------------|-----|------------------------------|
| -     | 0017-00042-0821 | 4   | Hardware: Plastic Grommet    |
| -     | B084-92241-A000 | 1   | Motor Capacitor PCB Assembly |
| -     | 0017-00042-1070 | 3   | Pin Collar Spacer            |
| -     | 0017-00103-0052 | 3   | Hardware: Locking Nut ID     |
| -     | 0017-00101-1641 | 3   | Hardware: Phillips Pan Screw |
| -     | 0017-00042-1149 | 3   | Spacer                       |
| -     | AK58-00243-0000 | 1   | Wax/Lift Assembly            |
| -     | A084-92261-A001 | 1   | Wax/Lift PCB                 |
| -     | 0017-00101-1253 | 4   | Hardware: Screw              |
| -     | OK58-01316-0000 | 1   | Mounting Bracket             |

## Wax/Lift Power Supply



| Ref # | Part Number     | Qty | Description                      |
|-------|-----------------|-----|----------------------------------|
| -     | AK58-00119-0000 | 1   | Thermal Switch                   |
| -     | AK58-00034-0001 | 1   | Console Power Cable              |
| -     | AK58-00027-0000 | 1   | Limit Switch Cable               |
| -     | AK58-00140-0000 | 1   | Thermal Switch Assembly          |
| -     | AK58-00043-0000 | 1   | Speed Sensor Cable               |
| -     | AK60-00009-0001 | 1   | Negative Switch Cable Assembly   |
| -     | AK58-00030-0000 | 1   | Frame Tag Cable                  |
| -     | AK58-00035-0000 | 1   | Motor Controller Interface Cable |

