

True Fitness Service Manual

Treadmills

Models 350-750

True fitness technology, Inc. makes no representations or warranties regarding the contents of this manual. We reserve the right to revise this document at any time or to make changes to the product described within it without notice or obligation to notify any person of such revisions or changes.

© 2004, True Fitness, Inc. All rights reserved. Printed in the United States of America.

865 Hoff Road. O'Fallon, MO 63366. 1-800-426-6570. Fax 636-272-3026.

www.truefitness.com

Revision 9/2004

Treadmill Preventative Maintenance Checklist

- ❖ Run calibration or run a manual program and watch and listen for anything out of the ordinary.
- ❖ Perform a push off test (page T-7) to check for proper lubrication. If excessive friction is found and lubrication doesn't correct the problem perform the amp draw test (page T1-2)
- ❖ Inspect the belt surfaces, topside should still have texture for grip, bottom should be porous fabric-not glazed, smooth or hard.
- ❖ Inspect deck surface, should be free of scratches, abrasions or blistering.
- ❖ Listen for excessive bearing noise, from a standing position, in the front and rear roller and motor.
- ❖ Check for front roller/belt slippage and belt tension adjustment. Look for slippage on drive pulley.
- ❖ Inspect/ adjust tracking of belt.
- ❖ Vacuum out motor area, being careful not to damage PWM.
- ❖ Inspect drive belt for wear and cracking.
- ❖ Wipe down machine- leave it in better condition than you found it.

True Fitness Treadmill Service Manual

START

- ❖ **Symptom guide**
- ❖ **Calibration Procedures**
- ❖ **Diagnostic Procedures**
- ❖ **Test Procedures**
- ❖ **Wiring Diagrams**
- ❖ **Part Manuals**

SYMPTOM GUIDE

- **Error Code Definitions** Page 3, 4
- **No Belt Movement** Page 5, 6
- **Tread Belt Stops During Workout** Page 7
- **Heart Rate Not Working / Erratic Readings** Page 8
- **Elevation Not Functional** Page 9
- **Speed Fluctuation: E2 Cal** Page 10
- **Speed Fluctuation: S4, E5, E2
E3: EPROM** ... Page 11
- **No Display** Page 12
- **Circuit Breaker Trips at Start Up** Page 13
- **Soft Select Malfunctions** Page 14, 15
- **Calibration Procedures** Page 16
- **Diagnostics** Page 17


| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|--------------------------|---|--|--|
| ERROR MESSAGES: | | | Liquid silicone single use pack Liquid Silicone Applicator. Vacuum Shop towel |
| S1 L LUBE | Indicates that the accumulated distance is such that the deck needs to be lubed | <ul style="list-style-type: none"> Lube deck with True Fitness liquid silicone lubricant. Inspect wax bar assembly on commercial models, if worn to less than ¼ inch in thickness- replace wax bar. | |
| S2 C CLEAN | Indicates that the accumulated distance is such that the machine needs to be cleaned. | <ul style="list-style-type: none"> Remove motor cover and vacuum dust from area. Wipe down the exposed area of the deck beside the straddle covers with a clean, dry cloth. | |
| S3 M MOTOR | Indicates that the accumulated time on the treadmill is such that the motor brushes need to be changed/checked. | <ul style="list-style-type: none"> Check/Replace motor brushes as needed. Reset timer. | |
| E5 S SPEED SENSOR | Cannot read speed sensor | <ul style="list-style-type: none"> Perform Speed Sensor Test page 21 | |
| E1 S STALL | Incline reading not changing when commanded | <ul style="list-style-type: none"> See Elevation Not Functional page 9. | |
| E1 I INCLINE | Incline reading has changed without the incline being commanded. | <ul style="list-style-type: none"> See Elevation Not Functional page 9. | |
| E1 R RANGE | Maximum or minimum elevation out of calibrated ranges | <ul style="list-style-type: none"> See Elevation Not Functional page 9. | |


| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|---------------------------------|--|---|--|
| ERROR MESSAGES: (cont'd) | | | Multi-meter Phillips head screwdriver |
| E2 O OVERSPEED | Belt speed ramping too fast. | Perform Amp Draw Test – Page 20. Perform Belt / Deck Wear Test – Page 24. | |
| E2 C CALIBRATE | Micro-controller cannot adjust belt speed to target. | Calibrate Treadmill – Page 16. See appropriate Symptom Guide – pages 10-11. | |
| E3 E EEPROM | Software error during treadmill startup diagnostics. | Restart Treadmill, if error persists- replace control panel. | |
| E2 R RECALIBRATE | Treadmill has lost calibration settings. | Recalibrate Treadmill – Page 16. (If unit loses programs- replace control panel) | |

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|-------------------------|--|---|---|
| NO BELT MOVEMENT | <p>Treadmill in need of calibration.</p> <p>Missing command to PWM.</p> <p>Missing/incorrect voltage to motor.</p> <p>Damaged motor.</p> | <ul style="list-style-type: none"> • Run calibration. (page 16) <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • Is PWM light blinking/ illuminated when fast button is pushed? <p>NO- Check continuity on wire harness, if harness has continuity breaks replace the harness. If harness has continuity- replace the upper panel. Refer to wiring harness diagram for your model.</p> <p>YES- move on to next step, wire harness and control panel are OK.</p> <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • With treadmill in calibration mode (page 16) • Set speed at 4 MPH • Check VDC across MTR 1 and MTR 2 <u>with the motor leads connected to the motor</u> the voltage should measure 10 VDC for every 1 MPH. • If voltage is missing or low- Replace PWM. • If voltage is greater than 20 VDC/MPH motor may have open windings. <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • With PWM LED Blinking/ Illuminated- move the tread belt with your foot to see if motor begins to move on its own. • If motor begins to move, inspect the condition of the brushes and the commutator. • If brushes are bad- replace brushes • If motor doesn't turn or has a damaged com segment- replace motor. <p style="text-align: center;">Continue on next page...</p> | <p>Multi-meter</p> <p>PWM / Motor test cables</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>Note: All trouble shooting should be performed in calibration mode. Page 16</p> </div> |

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|---|--|--|--|
| TREADBELT STOPS DURING WORKOUT Error Code displays: Go to page 3 & Page 4. | Loose safety key connection | <ul style="list-style-type: none"> • Check safety key to ensure that it is seating properly. • Check connection sensitivity. <p>-----</p> | Liquid silicone single use pack Liquid silicone Applicator Multi-meter Socket set |
| | Belt movement issue | <ul style="list-style-type: none"> • If treadmill will not reset with cycling the power go to NO BELT MOVEMENT (pages 5 & 6) <p>-----</p> | |
| | Worn Deck / Belt | <ul style="list-style-type: none"> • Perform Belt / Deck Wear Test (page 24). • Perform Amp Draw Test (page 20). • Apply silicone. • Replace Deck and Belt. <p>-----</p> | |
| | Occurs when making changes to speed or elevation | <ul style="list-style-type: none"> • May be related to electro static discharge. Contact Technical support for assistance. <p>-----</p> | |
| | Overloaded house circuit | <ul style="list-style-type: none"> • Verify the treadmill is on a dedicated circuit with at least a 15 amp breaker • Have customer supply a dedicated circuit <p>-----</p> | |
| | Continuity, connection to motor | <ul style="list-style-type: none"> • Reconnect or replace motor wires or connectors <p>-----</p> | |
| Tread belt not centered or obstructed | <ul style="list-style-type: none"> • Tension tread belt (page 22) • Center tread belt • Remove obstruction | | |

Note:
 All trouble shooting should be performed in calibration mode.
 Page 16

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|--|---|--|--|
| HEART RATE NOT WORKING / ERRATIC READINGS | Incorrect power source | <ul style="list-style-type: none"> • Verify that the treadmill is connected to a dedicated line, 15-amp circuit, and not on an extension cord. • Move to proper outlet. • Test 110 VAC outlet for proper ground <p>-----</p> | Multi-meter Double sided tape Heart rate simulator <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Note: All trouble shooting should be performed in calibration mode. Page 16 </div> |
| | Improper treadmill grounding | <ul style="list-style-type: none"> • Proper grounding is vitally important. • Ensure that the pedestal wire harness ground lead is secure <p>-----</p> | |
| | Improper heart rate receiver mount | <ul style="list-style-type: none"> • Ensure that the HR receiver is not touching metal and is mounted with the wires in a vertical position with the blue receiver facing the runner  <p>-----</p> | |
| | Defective Chest Strap | <ul style="list-style-type: none"> • Does the receiver pick up a signal from the HR simulator? • If yes, replace chest strap <p>-----</p> | |
| | Defective receiver | <ul style="list-style-type: none"> • Does the heart rate LED on the control panel blink? If not then replace the receiver. <p>-----</p> | |
| | Radio Frequency Interference | <ul style="list-style-type: none"> • Locate RF sources and use process of elimination. Common sources of RF interference are: Invisible fences for pets; wireless networks; cordless phones, Cell phones, radios, home security sensors, etc. | |

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|--|---|--|---|
| <p>ELEVATION NOT FUNCTIONAL (E1 ERROR)</p> | <p>Improper grounding / Calibration (May cause unit to drift up & down without command)</p> | <ul style="list-style-type: none"> • Test 110VAC outlet for proper grounding • If unit has not been calibrated – calibrate • Ensure that incline cables are secure on PWM <p style="text-align: center;">-----</p> | <p>Multi-meter</p> <p>Alligator clip</p> |
| | <p>Unit is stuck at full incline</p> | <ul style="list-style-type: none"> • Verify the lower limit switch is properly connected to the PWM • Remove the LLS wire from the PWM and short the two posts of the connector together with an alligator clip. Cycle the power. If the treadmill lowers itself then replace the lower limit switch. • Perform Incline potentiometer calibration procedure (page 16) • If incline nut is stripped- replace incline nut | <div style="border: 1px solid black; padding: 5px;"> <p>Note: All trouble shooting should be performed in calibration mode. Page 16</p> </div> |
| | <p>Defective Start Capacitor</p> |  <p style="text-align: center;">-----</p> | |
| <p>Defective PWM</p> | <ul style="list-style-type: none"> • Do Up/Down command LED's light? • If No- skip to defective PWM section. • If yes- does motor hum with no movement? • If yes- check the leads to the capacitor for breaks, if no breaks- replace capacitor. • If No- replace PWM. <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • If no Up/Down LED's light check continuity on data cables. • If cables are good- replace Upper Panel. • If cables bad- Replace data cables. | | |

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|---|--|---|---|
| <p>SPEED FLUCTUATION E2: CAL</p> | <p>Speed Fluctuation (Due to high friction)</p> | <ul style="list-style-type: none"> • Perform Push Off Test (page 24) • Perform Amp Draw Test (page 20) | <p>Multi-meter</p> <p>Socket Set</p> <p>Silicone Lubrication Packet</p> |
| | <p>Speed Fluctuation (Due to Voltage fluctuation)</p> | <ul style="list-style-type: none"> • Check Line voltage for fluctuations. • Have customer take corrective action. | <p>Silicone Lubrication Applicator</p> |
| | <p>Bad Data Feedback</p> | <ul style="list-style-type: none"> • Verify tach feedback accuracy through out the speed range. • If inaccurate perform speed sensor test (page 21) | <div style="border: 1px solid black; padding: 5px;"> <p>Note: All trouble shooting should be performed in Calibration Mode: See SG-12</p> </div> |
| | <p>Incorrect Speed Sensor Gap</p> | <ul style="list-style-type: none"> • Verify correct Speed sensor Gap. • Gap should be equal to the thickness of (3) credit cards pressed together (approximately 1/8 to 1/4 inch) | |

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|---|--|--|--|
| <p>SPEED FLUCTUATION</p> <p>S4: Sensor E5: Speed Sensor E2: Overspeed E3: EPROM Error</p> | <p>No Belt Movement</p> <p>No/Intermittent Tach Feedback</p> <p>Overspeed Error</p> <p>E3: EPROM Error Software error during treadmill startup</p> | <ul style="list-style-type: none"> • Go to page 5, 6. <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • Enter Calibration mode (page 16) • Verify speed feedback in speed display through out the speed range. [Speed display should never show 0 mph when belt is moving] • If no tach feedback is available perform speed sensor test (page 21). • Check continuity of tach feedback portion of the data cable (To identify tach feed back lines see wiring diagram section for specific model). <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • Check/Adjust tread belt tension (page 22) • Perform speed sensor test (page 21) If speed sensor fails adjust gap, if still fails-replace speed sensor. • Perform belt / deck wear test (page 24) If badly worn, replace belt and deck. • Replace PWM <p style="text-align: center;">-----</p> <ul style="list-style-type: none"> • Restart unit- if error persists, replace control panel. | <p>Multi-meter</p> <p>Socket Set</p> <p>Silicone Lubrication Packet</p> <p>Silicone Lubrication Applicator</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>Note: All trouble shooting should be performed in calibration mode. Page 16</p> </div> |

| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|-------------------|--|---|---|
| NO DISPLAY | No power at the 110 VAC outlet. | <ul style="list-style-type: none"> • Check home circuit breaker. Reset as necessary. • Test for 110 VAC at outlet. • Identify if outlet is a GFI. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Note: Some brands of GFI outlets are too sensitive for treadmill use. Call the help line if encountering GFI issues.</p> </div> <p style="text-align: center;">-----</p> | <p>Allen Key set.</p> <p>Phillips head screwdriver.</p> <p>Multi-meter.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Note: All trouble shooting should be performed in calibration mode. Page 16</p> </div> |
| | No power to the treadmill. | <ul style="list-style-type: none"> • Check for AC light on PWM. (See diagram pages 23-30) • Check for 110 VAC at power cord. Replace if no power. • If Yes- Check for 110 VAC at tread power switch. Replace if no power. • If Yes-Check for 110 VAC at tread circuit breaker. Replace/ reset if necessary. • If Yes- Check for 110 VAC at PWM across AC1 & AC2. • If Yes- Replace PWM. <p style="text-align: center;">-----</p> | |
| | No power to the control panel. | <ul style="list-style-type: none"> • Check status LED +11 VDC on PWM (See diagram pages 23-30). If not remove fuses and check continuity as replace as needed. • If Yes- Check wire harness connections at PWM and Control Panel. Reconnect as needed. • If Yes- Check voltage on harness at panel. Refer to wiring diagram for your machine type in wiring diagram section. If voltage is present– replace panel and recalibrate (page 16). If voltage is not present check voltage at PWM. If voltage is present at PWM replace pedestal wire harness. If 0_VDC replace PWM and recalibrate (page 16). | |

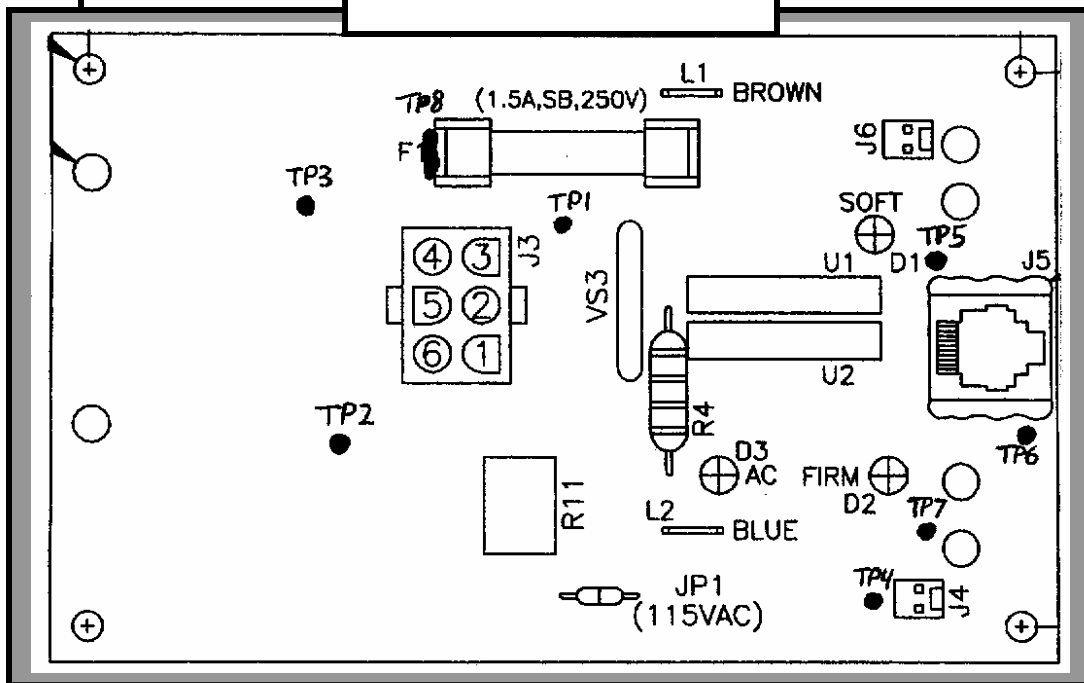
| Symptom | Probable Cause | Corrective Action | Recommended Tools |
|------------------------------|---|--|--|
| CIRCUIT BREAKER TRIPS | Possible short in treadmill wiring. | <ul style="list-style-type: none"> • Power off the treadmill and inspect all wiring for shorts or burned areas. • Secure all connectors. <p style="text-align: center;">-----</p> | Allen Key set Needle nose pliers Socket set Multi-meter |
| | Motor issues. | <ul style="list-style-type: none"> • Disconnect motor leads from the PWM. Power on treadmill, press start. If the breaker does not trip check the motor brushes and perform the motor test procedure (page 22). • Reconnect motor to the PWM, if the breaker trips- replace the motor. <p style="text-align: center;">-----</p> | |
| | Incline motor drawing treadmill down | <ul style="list-style-type: none"> • Unplug incline motor. • Power on treadmill, if breaker does not trip- replace incline motor. <p style="text-align: center;">-----</p> | |
| | Bad PWM | <ul style="list-style-type: none"> • Unplug PWM, power on machine. If breaker <u>doesn't</u> trip- replace PWM. <p style="text-align: center;">-----</p> | |
| | Too much tension on belt or obstruction under belt. | <ul style="list-style-type: none"> • Check for correct tension adjustment (page 22) • Check for obstruction- remove obstruction. <p style="text-align: center;">-----</p> | |
| | Weakened circuit breaker or High belt/deck friction | <ul style="list-style-type: none"> • Perform AC Amp Draw Test (page 20) at circuit breaker. • If draw is less than 15 amps continuously - replace breaker. • Perform Amp Draw test (page 20) If Amp draw is higher than recommended try push test (page 24) procedure. | |

Note:
 All trouble shooting should be performed in calibration mode.
 Page 16

| Symptom | Probable Cause | Corrective Action |
|--|--|--|
| <p style="text-align: center;">Soft Select Malfunctions</p> | <p>Control Panel Issues</p> | <ul style="list-style-type: none"> • Enter calibration mode • Is there a count value displayed in the distance window? If No replace control panel. If yes- continue to next step. <p style="text-align: center;">-----</p> |
| | <p>Mechanical Issues</p> | <ul style="list-style-type: none"> • Press and hold the softer button, release. Press and hold the firmer button to detect carriage movement in both directions. If the carriage cannot go full range from -220 and consistently stops in the same place, check for mechanical binding. Inspect the under pan for damage or areas that cause mechanical binding. Also inspect the carriage track in the side frame for binding. If the carriage cannot move to its full range and back in the time limit, check for mechanical binding. • If the carriage <u>is not</u> moving and the motor is turning, check the set screws holding the drive shaft to the motor shaft. <p style="text-align: center;">-----</p> |
| | <p>Incorrect/ Missing Count Values</p> | <ul style="list-style-type: none"> • Threaded shaft turns when commanded but the pulse count does not display/ or does not change. Physically check the hex cam located at the front of the shaft and on the motor shaft. Hex cam should be firmly attached. If hex cam slides freely super gluing it back onto the shaft can repair it. • Hex cam moves but counter does not register. Ensure that the micro switch is properly adjusted and the switch is being made when the hex cam points press against the roller. • Disconnect the cable at J4 and check for continuity on cable. Cable should have continuity if the switch roller is in a flat area of hex cam. If no continuity- replace cable. If good continuity, place cable back on J4 and continue • While in calibration mode place the multi-meter leads on J4 and check for 5 Volts. If no 5 Volts- replace board. <p style="text-align: center;">-----</p> |
| | <p>Defective Motor/ Start Capacitor</p> | <ul style="list-style-type: none"> • If command and count data/voltage are present and Led 1 indicates AC voltage is good but soft select motor does not respond. Set probes on TP 8 and TP3, press soft command (with soft select limit switch not activated) result should be 120 VAC. Set probes on TP8 and TP2 and press firm command (with soft select limit switch not activated) result should be 120 VAC. If no 120 VAC on either test point- replace soft select board. If voltage is correct- continue to next step. • In calibration mode, place red lead on the larger red wire and post on the start capacitor of the soft select system and the black lead on the common black lead, press firm- the result should be 120 VDC. Next place the white lead on the larger white wire and post on the start capacitor of the soft select system and the black lead on the common black lead; press soft- the result should be 120 VDC. If voltage is correct- replace the motor. If voltage is incorrect- replace the start capacitor. |

| Symptom | Probable Cause | Corrective Action |
|--------------------------------------|-----------------|---|
| Soft Select Malfunctions (continued) | AC Power Issues | <ul style="list-style-type: none"> Is AC power LED D3 lit? No- check F1 fuse. If F1 is good check for AC voltage between TP1 and TP5. If fuse and voltage are good- replace the board. <p style="text-align: center;">-----</p> |
| | Wire Harness | <ul style="list-style-type: none"> Yes- While in calibration mode Press the Softer button- LED D1 should light, press the Firmer button- LED D2 should light. If the lights respond to the button then command is being sent from the upper board and received at the soft select board. If lights do not respond check or replace 6-pin data cable, if cable is ok- replace upper panel. <p style="text-align: center;">-----</p> |

**SOFT SELECT BOARD
ILLUSTRATION**



Calibration Procedures

SS 100 PWM (5-xxxxx to 6-79999 serial numbers)

Entering Engineering Mode:

With safety key in, power up unit while holding **Grade Up** and **Grade Down** keys.
Incline will reset to zero.

Mode 1: Max Speed

Press **Select/Enter**- 01 (C1 for 450) appears in Distance.

Adjust speed using **Fast** and **Slow** buttons until 10 or 12 mph

Verify speed by counting belt revolutions: 10mph= 102 Belt revs/per min. 12mph= 121 Belt revs/per min.

Press **Start/Reset** to save max speed, wait for belt to stop.

Mode 2: Speed Table

Press **Select/Enter**-02 (C2 for 450) appears in Distance

Press **Start/Reset** to set speed table. Treadmill will speed up and slow down on its own. Wait for belt to stop.

Mode 3: Incline

Press **Select/Enter**- 03 (C3 for 450) appears in distance

Press **Grade Up** to upper incline limit, then back down slightly

Save upper limit by pressing **Start/Reset**

Turn treadmill off and then back on and check operation

SS90 Calibration (6-8xxxx serial numbers and after)

Enter Calibration Mode by holding the **Up** and **Down** keys while inserting the safety key

In message center window displayed: Press Start to Calibrate

NOTE: In Calibration mode, it is possible to check if the speed sensor is reading all the front roller magnets: the Met light will light when a magnet is in front of the sensor. Speed must be less than 1 mph.

Press **Start/Reset** to begin calibration

Treadmill will elevate and speed up/slow down. Wait for belt to stop.

Message center window will display: Successful, or will indicate error area.

Remove and re-insert safety key. Check operation of treadmill.

DIAGNOSTICS (Available only in SS90 Machines)

To enter diagnostic mode, press and hold the **FAST** and **SLOW** buttons while pushing in the safety key.

The control panel will show “Diagnostics”.

Press the **UP** button: Total Hours (in whole hours)

Press the **UP** button: Distance (in miles, two digits past decimal point)

Press the **UP** button: Average Speed (in mph)

Error List (This is an error log, but just a list of errors possible on the unit.)

S1: Lube

S2: Clean

S3: Motor

S4: Sensor

E1: Minimum

E2: Overspeed

E2: Cal

E3: EPROM

Remove Safety Key to exit Diagnostics

TEST PROCEDURES

- Grounded Outlet Test Page 20
- Amp Draw Test Page 20
- Speed Sensor Test Page 21
- Voltage to Drive Motor Test Page 21
- Drive Motor Test Page 22
- Drive Belt Tension Test Page 22
- Tread belt Tension Test Page 22
- Incline Potentiometer Calibration Test Page 23
- Voltage to Incline Motor Test Page 23
- Belt / Deck Wear Test (Push Off Test) Page 24

TEST PROCEDURES

GROUNDING OUTLET TEST

This test is very important for optimal HRC and incline operation.

- Set voltmeter for Volts AC
- Place 1 lead in the right side of the outlet (hot)
- Place 1 lead in the ground plug
- A properly grounded outlet will read 110 VAC

AMP DRAW TEST

This test is a good indicator of the wear condition of the belt and deck, and the need for lubrication. The treadmill circuit breaker will trip at 15 amps, so be sure the voltmeter you are using is rated for at least 15 amps when you are load testing the treadmill. This test can be performed either on one of the AC power cord leads or on one of the DC motor leads from the PWM to the motor. Testing the amp draw at certain speeds without load and with load will signal whether higher than normal amp draw is a result of PWM failure or increased friction from belt and deck wear.

AC AMP DRAW PROCEDURE

This procedure requires an AC clamp-on ammeter. Place the clamp around either of the power cord leads, black or white. Load test requires a person to walk on the tread belt for 5-10 minutes.

| | |
|--------------------|-------------------|
| 2.5 mph w/out load | 2.0-2.5 AMPS AC |
| 2.5 mph with load | 2.75-3.75 AMPS AC |
| 5.0 mph w/out load | 3.5-4.0 AMPS AC |
| 5.0 mph with load | 5.0-7.0 AMPS AC |

DC AMP DRAW PROCEDURE

This procedure can be performed with an ordinary voltmeter. (**Note: Be sure the voltmeter is rated to handle 15 DC amps.**) Disconnect the red motor lead from MTR1 on the PWM. Connect the voltmeter to MTR 1 on the PWM and the other voltmeter lead to the red motor lead so that the voltmeter completes the connection of the PWM to the motor.

| | |
|--------------------|-----------------|
| 2.5 mph w/out load | 4.5-5.0 AMPS DC |
| 2.5 mph with load | 7.0-8.0 AMPS DC |
| 5.0 mph w/out load | 5.0-5.5 AMPS DC |
| 5.0 mph with load | 8.5-9.0 AMPS DC |

Higher than normal amp draws without load may signal that belt tension is too tight or there is a problem in the Drive Motor or PWM. Perform the Drive Motor Test and visually check the motor brushes before replacing the PWM. Higher than normal amp draws with load after normal readings without load signal belt and deck friction which may require lubrication or replacement.

TEST PROCEDURES

SPEED SENSOR TEST

This test is used to verify sensor operation in conditions of speed fluctuation, E2: Cal error, S4: Sensor error, E2: Overspeed error or Unsuccessful Calibration.

SS100 (Serial numbers 5-xxxx to 6-7999)

Set voltmeter to Volts DC. Treadmill power on speed and speed at 0mph

Attach voltmeter leads across outside 2 contacts at P2 on PWM

With magnet in front of sensor, 0 VDC

With no magnet in front of sensor, 3.0 VDC

SS90 (Serial numbers 6-8000 and above)

Set voltmeter to volts DC. Treadmill power on and speed at 0 mph

Attach voltmeter leads across outside 2 contacts at J1 on PWM

With magnet in front of sensor, 0 VDC

With no magnet in front of sensor, 5 VDC

Check the sensor on every magnet, adjust sensor until voltage shows

In calibration mode before pressing Start, the tread belt can be moved manually and the Met light will blink when a magnet is in front of the sensor.

VOLTAGE TO DRIVE MOTOR TEST

This test is used to diagnose conditions of NO Belt Movement, or Speed Fluctuations

Set voltmeter to volts DC and adjust speed on Control Panel to 4 mph

Attach red voltmeter lead to MTR1 on PWM with motor wires attached

Attach black voltmeter lead to MTR2 on PWM with motor wires attached

0 VDC signals no PWM output

166 VDC signals open circuit in motor or motor connection

Operating voltage will lay between 0 VDC and 166 VDC

NOTE: The reason that we do not narrow down PWM output voltage is that the PWM output is a pulse signal. The sampling rate of the voltmeter used will determine what output voltage the voltmeter is able to read.

TEST PROCEDURES

DRIVE MOTOR TEST

This test is used in conditions of No Belt Movement.

- Unplug treadmill and set voltmeter to volts DC
- Disconnect motor leads from PWM
- Place 1 voltmeter lead in each motor wire
- Gently spin the motor flywheel and check for voltage DC
- 2-5 VDC means normal motor operation
- 0 VDC means motor malfunction

DRIVE BELT TENSION TEST

This test is used in front roller replacement and in conditions of belt slipping.

- Place two fingers on top of the drive belt halfway between the front roller pulley and the drive motor pulley.
- With moderate pressure push down on belt
- If belt deflects down more than 1/8", tighten motor mounts
- If belt deflects down less than 1/8", loosen motor mounts.
- It is also possible to twist the belt; you should be able to twist the belt almost to a vertical position

TREADBELT TENSION TEST

This test will address belt slipping and is used in any roller replacement or deck replacement. Ensure that the drive belt is properly tensioned before adjusting tread belt tension. Belt and deck wear and/or lack of lubrication can cause the tread belt to show symptoms similar to loose tread belt tension- check these conditions before adjusting tread belt tension.

- Turn treadmill on and adjust speed to 2 mph
- Walk heavily on the belt pulling slightly against belt movement
- If hesitation or slip is detected, tighten tread belt tension bolts 1/4 turn
- Repeat until no hesitation or slip is encountered. Check at higher speeds

Tread belt tension is too tight if the belt feels stiff to touch with no give or the belt groans against the rollers. You should be able to insert your hand between the belt and deck palm up almost to your thumb when the belt is at proper tension.

TEST PROCEDURES

INCLINE POTENTIOMETER CALIBRATION TEST

This test can correct E1: Minimum conditions and aid in diagnosis of incline problems with finding zero or target incline.

SS100 and SS90

Set voltmeter to Ohms (Ω) with treadmill unplugged from wall
Place 1 voltmeter lead on pin 3 (Blue) and 1 lead on pin 2 (Orange)
Check for 800 Ohms

SS90 Only: In calibration mode before pressing Start, the Distance window displays the incline number.

With the treadmill at zero, the number should be between 160 and 180. 0 often indicates a wire harness misconnection or failure of signal to panel.

As the unit inclines during calibration, watch the numbers in the Distance window, if they do not increase by at least 60 from the zero value, an E1: Minimum error will result. Then the zero value may need to be reset to a lower value.

If incline potentiometer needs adjustment, remove swivel opines and twist incline motor shaft by hand for SS100 or use Up and Down keys for SS90. (See diagram on T-6)

VOLTAGE TO INCLINE MOTOR TEST

This test is utilized in conditions of No Incline Movement, Incline Fluctuation, or E1: Minimum.

Set voltmeter to AC volts. To access incline plug, PWM screws may need to be removed.
Place voltmeter leads across White and Black while pushing UP button
10 VAC indicates normal PWM output, 0 VAC signals no output
Place voltmeter leads across Red and White while pushing Down button
110 VAC indicates normal PWM output, 0 VAC signals no output

TEST PROCEDURES

Belt / Deck Wear Test

This is a simple physical test to gauge the general level of friction present between the deck and belt.

1. While the treadmill is not running, inspect the condition of the underside of the tread belt. The fabric should be soft and porous. If the belt appears glazed- replace the belt.
2. While the treadmill is not running, slide your hand under the belt and feel the surface of the deck. The deck should feel smooth with no abrasions or scratches. If any abrasions or scratches are found- replace the deck.

Push Off Test

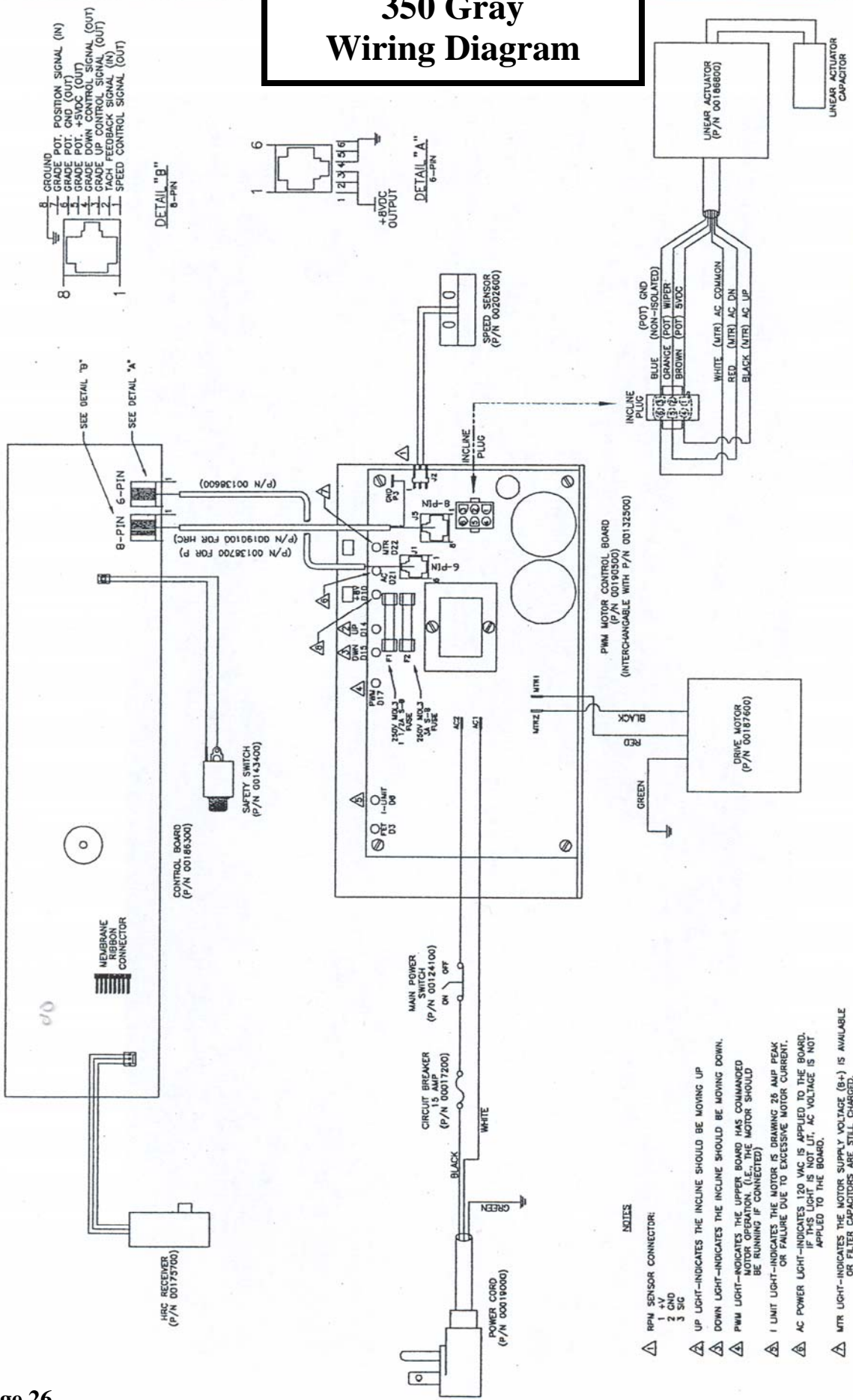
Place the machine in Calibration mode, elevate to the highest elevation- speed should be set to 0. Stand on the tread belt positioning yourself close to the console; push off with moderate force. The elevation combined with your weight and the force of the push should cause the belt to carry you all the way to the end of the machine*. If the test does not carry you to the end of the machine lubricate the belt using True Fitness liquid silicone. After lubricating the belt/deck perform the push off test again. If it does not pass the test after lubricating replace the belt and deck

* **Note:** Residential treadmills may only carry about $\frac{3}{4}$ of the distance of the deck due to higher tension on the belt.

WIRING DIAGRAMS

- **350 Gray** **Page 26**
- **350 Black** **Page 27**
- **400** **Page 28**
- **450/500/700** **Page 29**
- **500CI/750CI** **Page 30**
- **750 NON/P** **Page 31**
- **750** **Page 32**

350 Gray Wiring Diagram

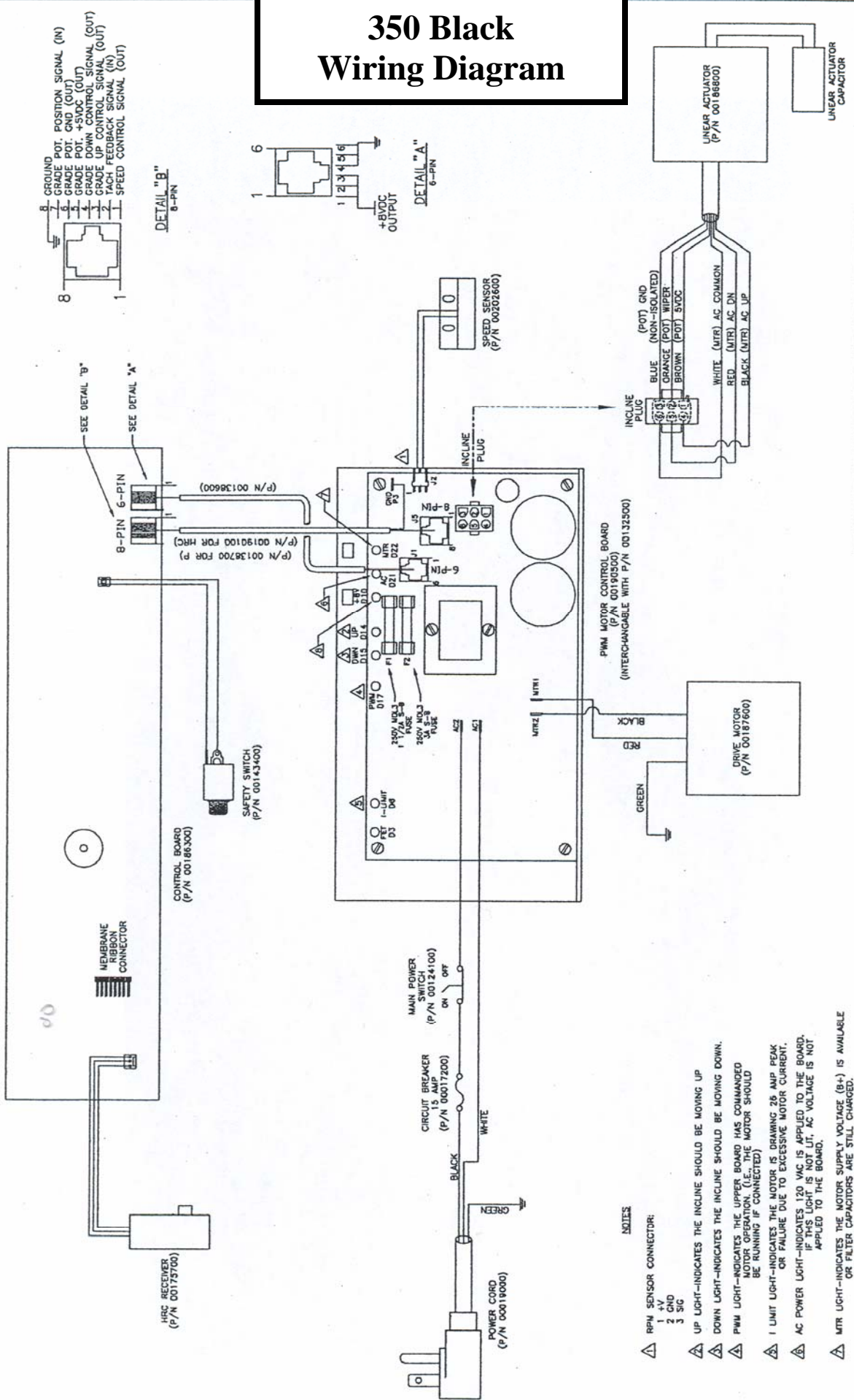


- NOTES**
- ⚠ RPM SENSOR CONNECTOR:
 - 1 GND
 - 2 GND
 - 3 SIG
 - ⚠ UP LIGHT—INDICATES THE INCLINE SHOULD BE MOVING UP
 - ⚠ DOWN LIGHT—INDICATES THE INCLINE SHOULD BE MOVING DOWN.
 - ⚠ PWM LIGHT—INDICATES THE UPPER BOARD HAS COMMAND MOTOR OPERATION. (I.E., THE MOTOR SHOULD BE RUNNING IF CONNECTED)
 - ⚠ I LIMIT LIGHT—INDICATES THE MOTOR IS DRAWING 26 AMP PEAK OR FAILURE DUE TO EXCESSIVE MOTOR CURRENT.
 - ⚠ AC POWER LIGHT—INDICATES 120 VAC IS APPLIED TO THE BOARD. IF THIS LIGHT IS NOT LT. AC VOLTAGE IS NOT APPLIED TO THE BOARD.
 - ⚠ MTR LIGHT—INDICATES THE MOTOR SUPPLY VOLTAGE (8+) IS AVAILABLE OR FILTER CAPACITORS ARE STILL CHARGED.
 - ⚠ +8V SUPPLIES CONTROL PANEL.

| REV | DATE | BY | CHKD | DESCRIPTION |
|-----|--------|----|------|-------------|
| 1 | 7/7/87 | | | |

| | |
|----------------|--------|
| WIRING DIAGRAM | 350 |
| DATE | 7/7/87 |
| DRAWN BY | |
| CHECKED BY | |
| APPROVED BY | |
| REV | 001 |
| DATE | |
| BY | |
| CHKD | |
| APPR | |
| NOISE | |
| 350SERV | |

350 Black Wiring Diagram



NOTES

- ▲ RPM SENSOR CONNECTOR:
1 GND
2 GND
3 SIG
- ▲ UP LIGHT-INDICATES THE INCLINE SHOULD BE MOVING UP
- ▲ DOWN LIGHT-INDICATES THE INCLINE SHOULD BE MOVING DOWN.
- ▲ PWM LIGHT-INDICATES THE UPPER BOARD HAS COMMANDED MOTOR OPERATION. (I.E., THE MOTOR SHOULD BE RUNNING IF CONNECTED)
- ▲ I LIMIT LIGHT-INDICATES THE MOTOR IS DRAWING 26 AMP PEAK OR FAILURE DUE TO EXCESSIVE MOTOR CURRENT.
- ▲ AC POWER LIGHT-INDICATES 120 VAC IS APPLIED TO THE BOARD. IF THIS LIGHT IS NOT LIT, AC VOLTAGE IS NOT APPLIED TO THE BOARD.
- ▲ MTR LIGHT-INDICATES THE MOTOR SUPPLY VOLTAGE (B+) IS AVAILABLE OR FILTER CAPACITORS ARE STILL CHARGED.
- ▲ +8V SUPPLIES CONTROL PANEL.

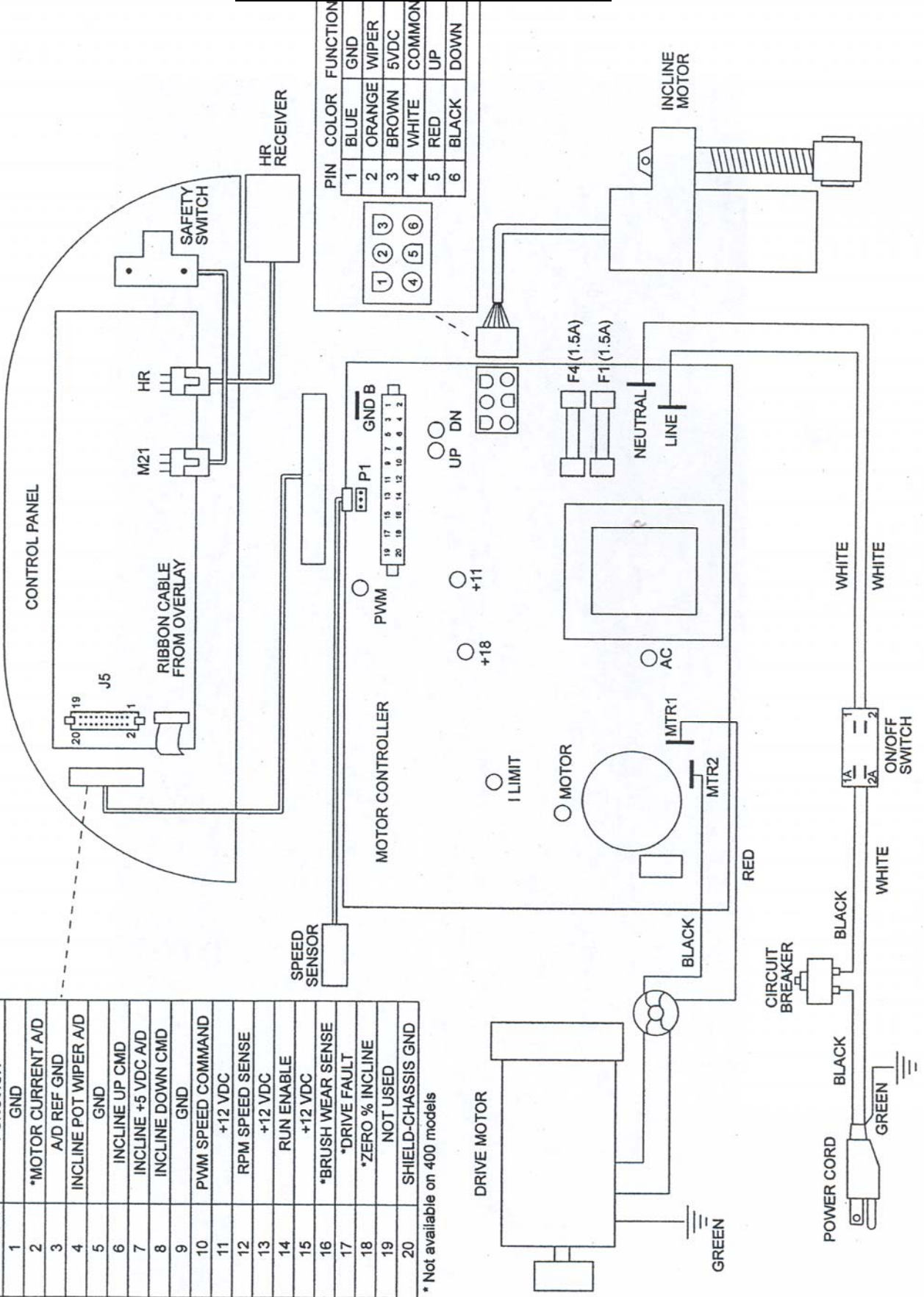
| WIRING DIAGRAM | | 350 | |
|------------------------------|------|---------|----|
| DATE | BY | DATE | BY |
| 1/7/95 | JLLE | | |
| JLLE ATWEST TECHNOLOGY, INC. | | D | |
| CITY, MD 21036 | | 350SERV | |
| REV. 1 | | A | |

400 Wiring Diagram

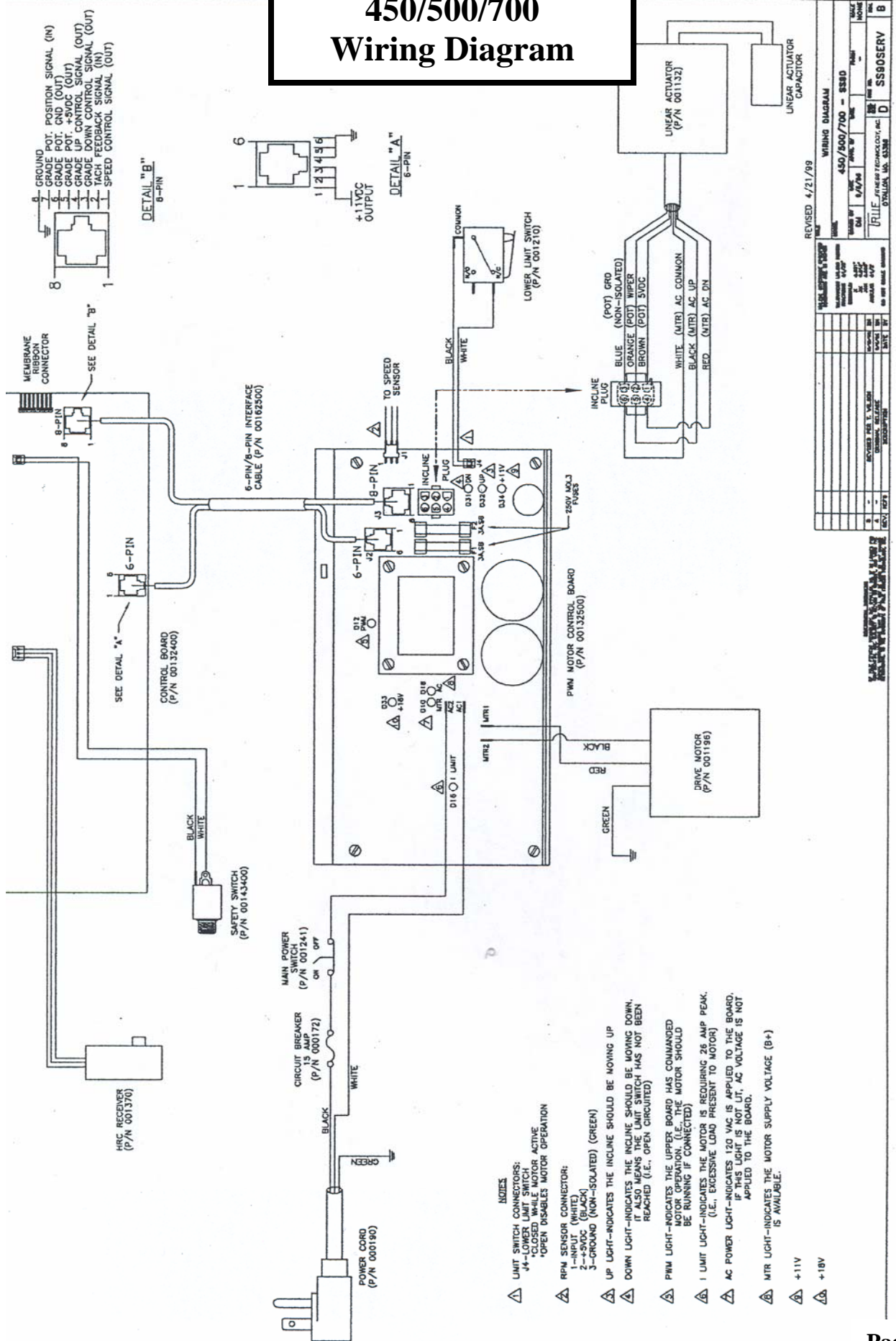
400 Wiring Diagram

| UPPER WIRE HARNESS | |
|--------------------|-----------------------|
| POSITION | FUNCTION |
| 1 | GND |
| 2 | *MOTOR CURRENT A/D |
| 3 | A/D REF GND |
| 4 | INCLINE POT WIPER A/D |
| 5 | GND |
| 6 | INCLINE UP CMD |
| 7 | INCLINE +5 VDC A/D |
| 8 | INCLINE DOWN CMD |
| 9 | GND |
| 10 | PWM SPEED COMMAND |
| 11 | +12 VDC |
| 12 | RPM SPEED SENSE |
| 13 | +12 VDC |
| 14 | RUN ENABLE |
| 15 | +12 VDC |
| 16 | *BRUSH WEAR SENSE |
| 17 | *DRIVE FAULT |
| 18 | *ZERO % INCLINE |
| 19 | NOT USED |
| 20 | SHIELD-CHASSIS GND |

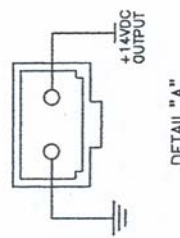
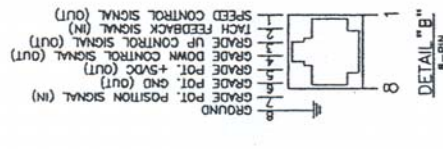
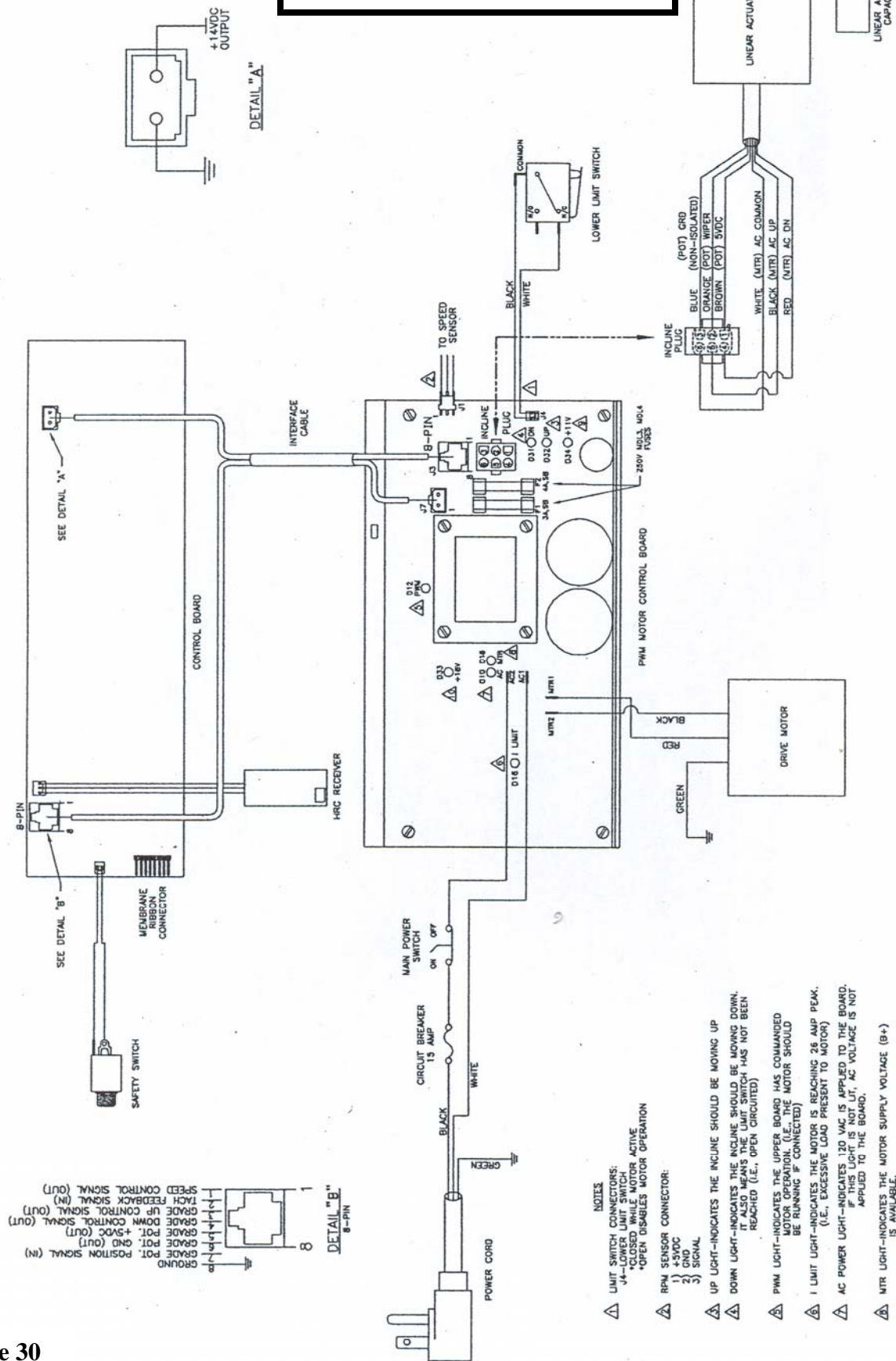
* Not available on 400 models



450/500/700 Wiring Diagram



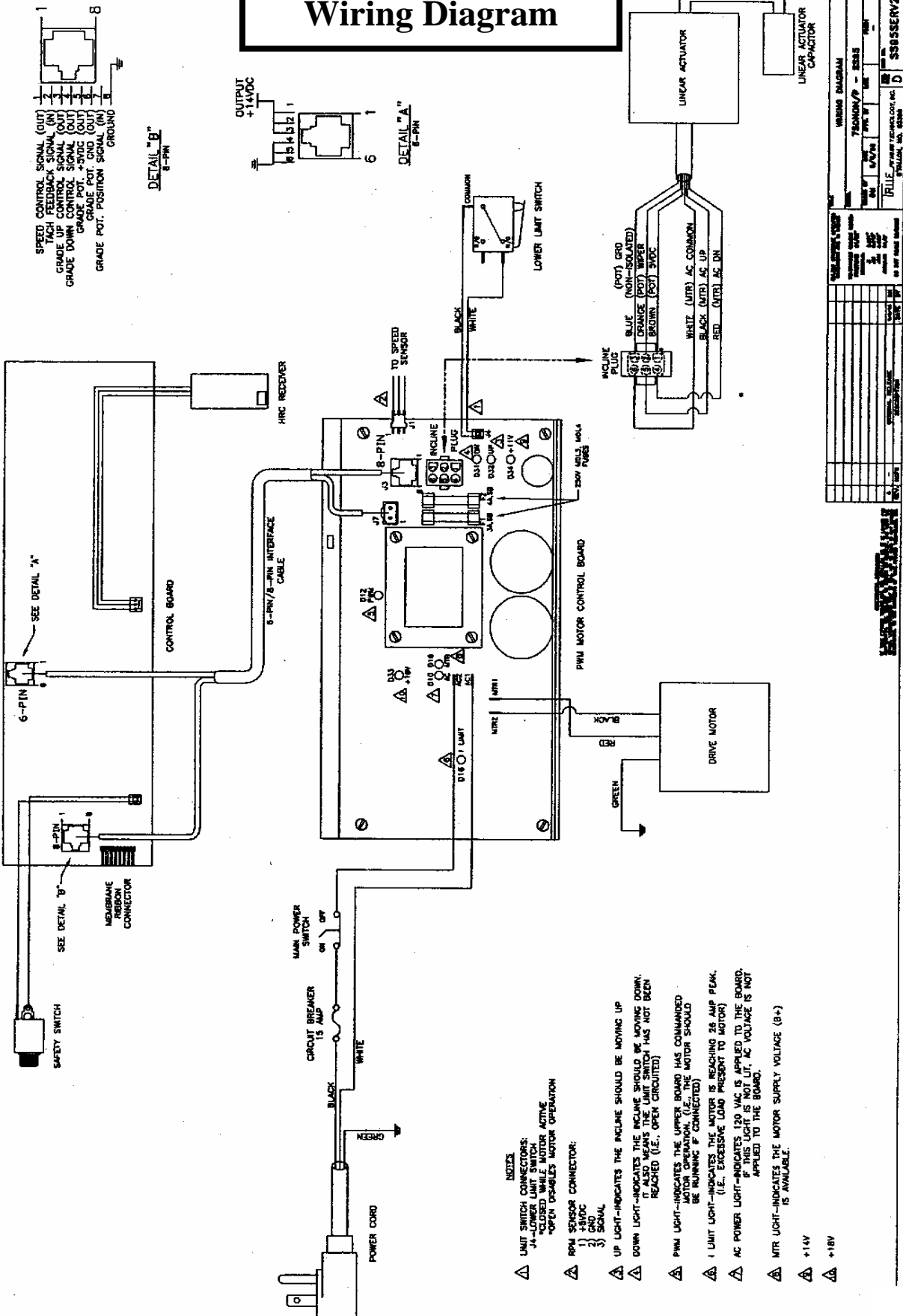
500CI/750CI Wiring Diagram



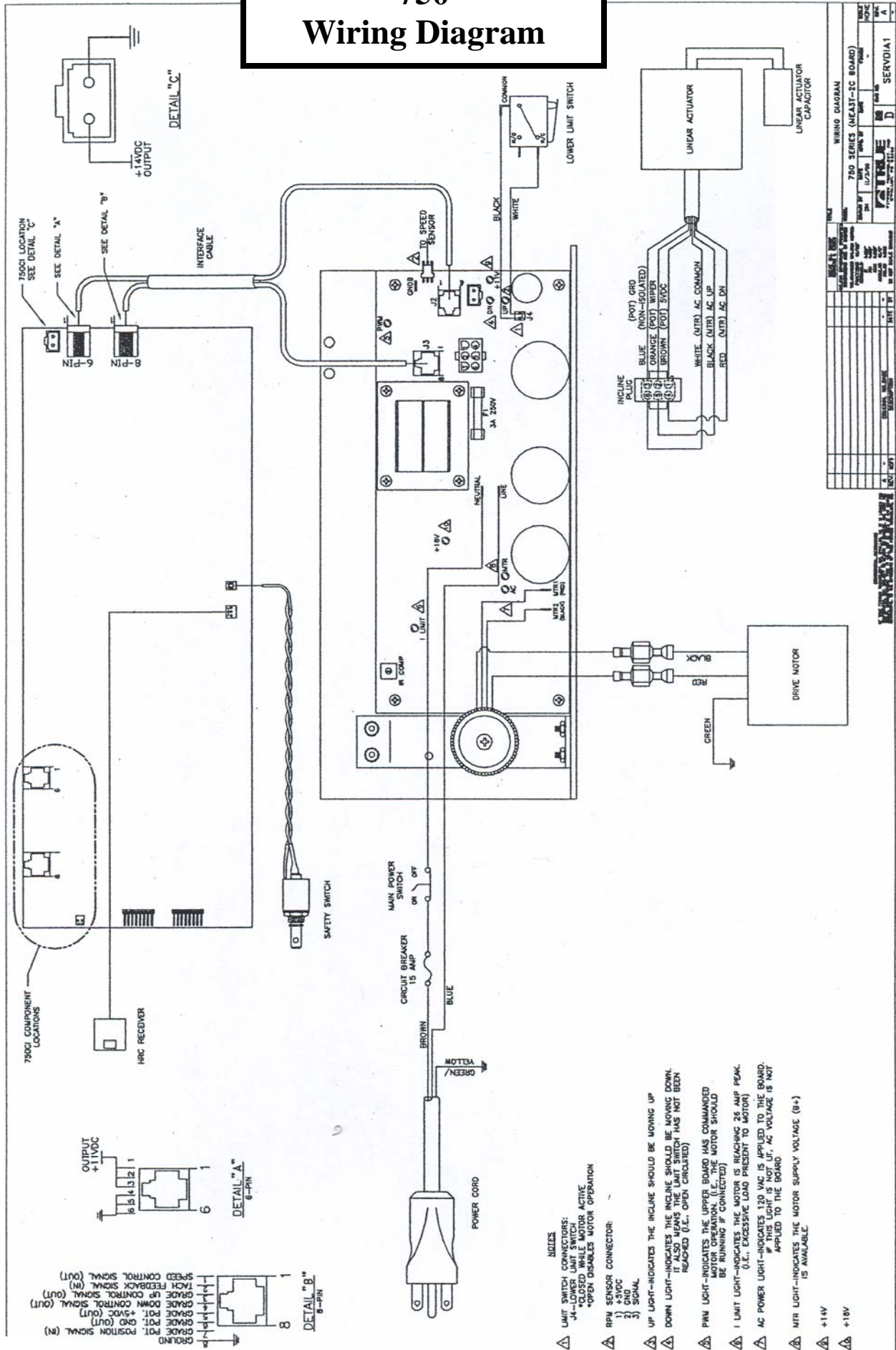
- NOTES**
- △ LIMIT SWITCH CONNECTORS:
 - 1) 4--LOWER LIMIT SWITCH
 - 2) 4--CLOSED WHILE MOTOR ACTIVE
 - 3) 4--OPEN DISABLES MOTOR OPERATION
 - △ RPM SENSOR CONNECTOR:
 - 1) GND
 - 2) 5VDC
 - 3) SIGNAL
 - △ UP LIGHT--INDICATES THE INCLINE SHOULD BE MOVING UP
 - △ DOWN LIGHT--INDICATES THE INCLINE SHOULD BE MOVING DOWN. IT ALSO MEANS THE LIMIT SWITCH HAS NOT BEEN REACHED (I.E., OPEN CIRCUIT)
 - △ P/M LIGHT--INDICATES THE UPPER BOARD HAS CHANGED MOTOR OPERATION (I.E., THE MOTOR SHOULD BE RUNNING IF CONNECTED)
 - △ I LIMIT LIGHT--INDICATES THE MOTOR IS REACHING 26 AMP PEAK. (I.E., EXCESSIVE LOAD PRESENT TO MOTOR)
 - △ AC POWER LIGHT--INDICATES 120 VAC IS APPLIED TO THE BOARD. (I.E., LIGHTS ARE ON AT AC VOLTAGE IS NOT APPLIED TO THE BOARD.)
 - △ MTR LIGHT--INDICATES THE MOTOR SUPPLY VOLTAGE (B+) IS AVAILABLE.

| | | | |
|---------------------------|--------|--------------------|--------|
| WIRING DIAGRAM | | 500CI/750CI - SSS5 | |
| DATE | BY | DATE | BY |
| 1/1/78 | J.P.L. | 1/1/78 | J.P.L. |
| DESIGNED BY | | CHECKED BY | |
| J.P.L. | | J.P.L. | |
| DRAWN BY | | APPROVED BY | |
| J.P.L. | | J.P.L. | |
| REVISIONS | | REVISIONS | |
| NO. | DATE | NO. | DATE |
| 1 | | 1 | |
| ORIGINAL RELEASE REVISION | | REV. NO. | |
| D | | SSSSSERV1 | |

500CI/750CI Wiring Diagram



750 Wiring Diagram



Model 350-450

Parts List

- **350, P, HRC** **Page 34**
- **350PB, HRCB** **Page 37**
- **400, P, HRC** **Page 39**
- **450, P, HRC (SS100-SS90)** **Page 41**

350P, HRC PARTS LIST

PART # DESCRIPTION

CONTROL PANEL

| | | |
|------------------------------|----------|-----------------------------|
| <u>350 Board Only</u> | 70186311 | 350 P Board Only |
| <u>(98- Present)</u> | 70186310 | 350 HRC Board Only |
| | | |
| <u>(98-PRESENT)</u> | 70186401 | 350P CONTROL PANEL 98-now |
| | 70186402 | 350HRC CONTROL PANEL 98-NOW |

(HARDWARE)

| | |
|----------|----------------------------------|
| 70185400 | HRC RECEIVER ASSY. |
| 70151900 | 5/8" DOME PLUG FOR HR RECEIVER |
| 70176000 | C.P. TAPE 3/8 DOUBLE COATED FOAM |
| 70150000 | SAFETY SWITCH ASSY. |
| 70177400 | SAFETY KEY ASSY. |

OVERLAYS

| | |
|----------|---------------------|
| 70186411 | 350P GRAY OVERLAY |
| 70186412 | 350HRC GRAY OVERLAY |

PWM

LOWER BOARD (PWM)

| | |
|----------|-----------------------------|
| 70013500 | PWM SCREW 10-32 X 3/8 PPHTF |
| 70350300 | |

SPEED SENSOR

| | |
|----------|--------------------------------|
| 70202600 | SPEED SENSOR |
| 70350300 | EXTENDER WIRE FROM SENSOR -PWM |
| 70190800 | SPEED SENSOR SCREW |

DATA CABLE

| | |
|----------|-----------------------------------|
| 70138600 | 6- CONDUCTOR INTERFACE CABLE |
| 70138700 | 8- CONDUCTOR INTERFACE CABLE |
| 70190100 | 8- CONDUCTOR INTERFACE CABLE- HRC |

DRV MTR

| | |
|----------|--------------------|
| 70187600 | DRIVE MOTOR ASSY. |
| 70166600 | MOTOR DRIVE PULLEY |
| 70173400 | MOTOR COVER |

DRV BELT

| | |
|----------|-------------|
| 70127500 | POLY-V-BELT |
|----------|-------------|

ELEVATION MTR

| | |
|----------|--------------------------|
| 70186800 | INCLINE MOTOR |
| 70183600 | CLEVIS PIN 3/8 X 1 3/4 |
| 70116700 | COTTER PIN 1/16 X 1 5/16 |
| 70183700 | CLEVIS PIN 3/8 X 2 1/8 |
| 70164800 | COTTER PIN 3/32 X 1/2 |
| 70183200 | INCLINE CAPACITOR |

ELEVATION RACK

70184401 ELEVATION RISER ASSY.
70176700 MOLDED WHEEL
70182300 INCLINE RISER BOLT 5/16- 18 X 1 1/4
70115200 INCLINE RISER WASHER 3.8 I.D. X 7/8 O.D.
70209900 INCLINE RISER NUT 5/16- 18 AUTOMATION GR.

POWER CORD

70253100 9FT. POWER CORD
70008200 STRAIN RELIEF BUSHING

ON / OFF SWITCH

70251100 ROCKER ON/OFF SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT

70208500 TREADBELT 18" X 107"

DECK

70186700 FLEX DECK ASSY.
70020200 DECKSCREWS/BUMPER FEET 10- 32 X 1 1/4 PPH

FRONT ROLLER

70217500 FRONT ROLLER ASSY.
70188500 FR ROLLER BOLT 1/4- 20 X 2 Gr. 5 Hex Hd.
70185300 FR ROLLER NUT 1/4- 20 NYLOC NUT

REAR ROLLER

70188000 REAR ROLLER ASSY.
70175100 REAR ROLLER COVER-LEFT
70175200 REAR ROLLER COVER-RIGHT
70104000 R ROLLER SCREW 10 X 1/2 PPH Tek Screw

STRADDLE COVERS

70173301 STRADDLE COVER- L.H. 350P
70173302 STRADDLE COVER- R.H. 350P

70173303 STRADDLE COVER- L.H. 350 HRC
70173304 STRADDLE COVER- R.H. 350 HRC

70086700 STRADDLE COVER SCREW 6 X 1
70182400 INSIDE COVER SPACER
70030900 3/8 X 1/16 X Lg. DOUBLE STICK TAPE
70165400 OUTSIDE COVER SPACER

RAMRAILS

70188700 HANDRAIL ASSY. **L.H. BLACK**
70188800 HANDRAIL ASSY. **R.H. BLACK**

70212300 HANRAIL ASSY. L.H. GRAY

70212400 HANRAIL ASSY. R.H. GRAY

70185100 LOWER HANDRAIL BUSHING 1/4- 20 X 3 3/4

70198900 LOWER HANDRAIL BUSHING 3/8 OD X 1"

70183101 H/BAR NUT PLATE

PEDESTAL

70157000 PED. STAR WASHER 1/4 I.D.INTERNAL TOOTH WASHER

70186600 PEDESTAL WELDMENT

70179901 STRAP CLAMP PED.

70155900 PED. SCREW 1/4- 20 X 5/8 BHSCS

FRAME

70181901 FRAME WELDMENT

70160100 BUMPER ASSY

70155200 BUMPER- 1 1/2 X 2 X 1 1/8

350PB, HRCB PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|----------------------------------|--------------------------------------|
| <u>CONTROL PANEL</u> | |
| <u>(350B) Board Only</u> | |
| 70237311 | 350PB Board Only |
| 70237310 | 350HRCB Board Only |
| 70242000 | 350PB CONTROL PANEL |
| 70242001 | 350HRCB CONTROL PANEL |
| 70150000 | SAFETY SWITCH ASSY. |
| 70185400 | HEART RATE RECIEVER |
| 70245100 | PLASTIC HRC COVER |
| 70177400 | SAFETY KEY |
| <u>OVERLAY</u> | |
| 70242010 | 350PB DOT/OVERLAY |
| 70242011 | 350HRCB DOT/OVERLAY |
| <u>PWM</u> | |
| <u>(99-PRESENT)</u> | |
| 70244200 | PWM MOTOR CONTROLLER |
| 70013500 | PWM SCREW 10-32X3/8 |
| <u>SPEED SENSOR</u> | |
| 70243203 | CIRCUIT BOARD SPEED SENSOR |
| 70243300 | SPEED SENSOR SCREW 4-40X1/4 |
| <u>DATA CABLE</u> | |
| 70264100 | 6COND./CORD DATA CABLE 350PB, HRCB |
| 70264000 | 8COND./CORD DATA CABLE 350PB |
| 70190100 | 8-CONDUCTOR INTERFACE CABLE(HRC) |
| <u>DRV MTR</u> | |
| 70245600 | DRIVE MOTOR Core charge included |
| <u>DRV BELT</u> | |
| 70127500 | 1687J10 POLY-V-BELT |
| <u>ELEVATION MTR</u> | |
| <u>(HARDWARE)</u> | |
| 70186800 | ELEVATION MOTOR-HUBBLE |
| 70183200 | ELEVATION MOTOR CAPACITOR |
| 70183600 | INCLINE MOTOR CLEVIS PINS 3/8X1 3/4 |
| 70116700 | INCLINE MOTOR COTTER PIN 1/16X1-5/16 |
| 70183700 | INCLINE MOTOR CLEVIS PIN 3/8X2-1/8 |
| 70164800 | INCLINE MOTOR COTTER PIN 3/32X1/2 |
| <u>ELEVATION RACK</u> | |
| 70184402 | ELEVATION RACK |

(NEW STYLE)

70176700 MOLDED WHEEL
70182300 INCLINE RISER BOLT 5/16X1 1/4
70115200 INCLINE RISER WASHER 3/8 I.D.
70209900 INCLINE RISER NUT 5/16-18

POWER CORD

70253100 9 FOOT POWER CORD
70008200 STRAIN RELIEF BUSHING

ON / OFF SWITCH

70251100 ON/OFF ROCKER SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT

70208500 TREADBELT 18" X 107"

DECK

70186700 FLEX DECK
70020200 DECK SCREWS
70232700 DECK BUMPERS

FRONT ROLLER**(ADJUSTABLE)**

70260100 FRONT ROLLER W/8 MAGNETS
70188500 FRONT ROLLER BOLT 1/4-20X2 GR. 5
70185300 FRONT ROLLER NYLOK NUT 1/4-20

REAR ROLLER

70188000 REAR ROLLER
70220800 REAR ROLLER COVER LH BLACK
70220900 REAR ROLLER COVER RH BLACK
70104000 10X1/2 REAR ROLLER SCREW

STRADDLE COVERS

70173305 LH STRADDLE COVER BLACK
70173306 RH STRADDLE COVER BLACK
70086700 STRADDLE COVER SCREW 6X1
70030900 DOUBLE SIDED STICK TAPE

PEDESTAL

70157000 PEDESTAL STAR WASHER
70173401 MOTOR COVER
70155200 BUMPER FEET
70020200 BUMPER FEET SCREWS
70183101 H/BAR NUT PLATE

400P, HRC PARTS LIST

Control Panels

| | |
|----------|--|
| 7T007500 | 400P Control Panel assy w/ Electronics |
| 7T007501 | 400HRC Control Panel assy W/ Electronics |
| 7T007502 | 400P Electronics Only |
| 7T007503 | 400HRC Electronics Only |
| 7T008000 | Upper Plastic Front and Rear (400HRC) |
| 7T008001 | Upper Plastic Front and Rear (400P) |

Overlays

| | |
|----------|------------------------|
| 7T010201 | Panel Overlay 400P |
| 7T010200 | Panel Overlay 400HRC |
| 7T014200 | Panel Overlay T-400HRC |

PWM

| | |
|----------|-------------------------|
| 7T007400 | PWM W/O Hardware |
| 7T008500 | Speed sensor |
| 7T013900 | PWM W/O Hardware (230V) |

Filter

| | |
|----------|---|
| 7T014800 | Filter, EMI 400 250V/10A CP6-1022C |
| 7T014000 | Bracket, Filter 400 (T=2.0) |
| 7T014100 | Bracket Screw Phillips Head M5X0.8X6L UCP |

Choke

| | |
|----------|---------------------|
| 7T014400 | Choke, 400 3MH 220V |
|----------|---------------------|

Inductor

| | |
|----------|-----------------------------|
| 7T014900 | Inductor (choke) 400 6MH 8A |
|----------|-----------------------------|

Data Cable

| | |
|----------|--------------|
| 7T007600 | Wire Harness |
|----------|--------------|

Drive Motor

| | |
|----------|--------------------------|
| 7T007800 | 2.75 HP Drive Motor |
| 7T014300 | 2.75 HP Drive Motor 230V |

Drive Belt

| | |
|----------|------------|
| 7T008400 | Drive Belt |
|----------|------------|

Elevation Motor

| | |
|----------|----------------------------|
| 7T009600 | Elevation Motor |
| 7T009700 | Front Wheel |
| 7T014500 | Elevation Motor 230V 1/6HP |

Power Cord

| | |
|----------|------------|
| 7T009800 | Power Cord |
|----------|------------|

7T014600 Power Cord 400 AC220V 1.5MM 2800MM

On/Off Switch

7T009900 On/Off Switch

Circuit Breaker

7T010000 Circuit Breaker

7T014700 Circuit Breaker 400 10A 220V 400RFMB Series

Tread belt

7T008300 Tread belt

Deck

7T008600 Deck, pre drilled

Front Roller

7T008100 Front Roller

Rear Roller

7T008200 Rear Roller

7T009200 Roller Cover - L

7T009300 Roller Cover - R

Straddle Covers

7T009500 Straddle Cover Set

Hardware Kit

7T007900 Complete Hardware Kit

Heart Rate Strap

7TMC0608006 HRC Strap

Safety Key

7T010300 Safety Key

450P, HRC (SS100-SS90) PARTS LIST

| <u>CONTROL PANEL</u> | <u>PART #</u> | <u>DESCRIPTION</u> |
|---|---------------|--------------------------------------|
| <u>(SS100)</u> | 70120000 | 450NON SS100CONTROL PANEL |
| | 70120100 | 450P SS100 CONTROL PANEL |
| | 70175900 | 450HRC SS100 CONTROL PANEL |
| <u>(450's) Board Only</u> | 70132418 | 450NON SS90 CONTROL Board Only 97-98 |
| | 70132417 | 450P SS90 CONTROL Board Only 97-98 |
| | 70132416 | 450HRC SS90 CONTROL Board Only 97-98 |
| <u>(97-98 STYLE)</u> <u>(OVERLAYS)</u> | 70161011 | 450NON SS90 OVERLAY 97-98 |
| | 70161013 | 450P SS90 OVERLAY 97-98 |
| | 70161012 | 450HRC SS90 OVERLAY 97-98 |
| <u>(99-PRESENT)</u> | 70242110 | 450NON DOT OVERLAY 99-PRESENT |
| | 70242111 | 450P DOT OVERLAY 99-PRESENT |
| | 70242112 | 450HRC DOT OVERLAY 99-PRESENT |
| <u>PWM</u> <u>(SS100)</u> | 70113900 | MOTOR CONTROLLER (SS100) |
| <u>(SS90)</u> | 70132500 | MOTOR CONTROLLER SS90 |
| | 70013500 | PWM SCREW 10-32 X 3/8 |
| <u>SPEED SENSOR</u> <u>(SS100 STYLE)</u> | 70104200 | SPEED SENSOR (SS100) |
| | 70154800 | SPEED SENSOR W/ WIRE AND BRACKE |
| <u>(SS90 STYLE)</u> | 70243200 | CIRCUIT BOARD SPEED SENSOR |
| | 70243300 | SP. SENSOR SCREW 4-40 X 1/4 |
| <u>DATA CABLE</u> | 70337900 | 450NON AND PROG. DATA CABLE |
| | 70337800 | 450 HRC DATA CABLE |
| <u>DRV MTR</u> | 70325500 | 3HP DRIVE MOTOR 10 MPH |
| <u>DRV BELT</u> | 70006300 | 210J10 POLY-V DRIVE BELT |
| <u>ELEVATION MTR</u> <u>(ELEVATION-HARDWARE)</u> | 70113200 | INCLINE MOTOR |
| | 70115500 | 3/8 X 1 1/2 CLEVIS PIN |
| | 70116700 | 1/16 DIA. X 1 5/16 COTTER PIN |

| | | |
|-------------------------------|----------|--------------------------------------|
| | 70118900 | TORQUE ARM SWIVEL PIN |
| | 70183200 | START CAPACITOR FOR INCLINE MOTOR |
| | 70013500 | SCREW FOR START CAPACITOR |
| <u>LLS</u> | | |
| | 70121000 | LOWER LIMIT SWITCH |
| | 70125700 | LLS SCREW 10X 1/4 |
| | 70120500 | LLS TO PWM WIRE |
| <u>ELEVATION RACK</u> | | |
| | 70281001 | ELEVATION RISER SUB ASSY. |
| <u>WHEEL</u> | 70176700 | BEFORE AUG 99 |
| <u>POWER CORD</u> | | |
| | 70253100 | 9 FT. POWER CORD |
| | 70008200 | STRAIN RELIEF BUSHING |
| <u>ON / OFF SWITCH</u> | | |
| | 70251100 | ROCKER ON/OFF SWITCH |
| <u>CIRCUIT BREAKER</u> | | |
| | 70017200 | 15 AMP CIRCUIT BREAKER SWITCH |
| <u>TREADBELT</u> | | |
| | 70159300 | 17 3/4" X 107 3/4" 2 PLY TREADBELT |
| <u>DECK</u> | | |
| | 70157700 | FLEX DECK |
| | 70020200 | DECK SCREW 10/32 X 1 1/4 |
| <u>FRONT ROLLER</u> | | |
| <u>(SS100-NARROW)</u> | 70123800 | FRONT ROLLER (SS100) |
| <u>(96-xxxx - 99)</u> | 70217000 | 450 FRONT ROLLER(6-8XXXX-99) |
| <u>(99-81023G TO)</u> | 70359200 | 450 ADJ. ROLLER |
| <u>(PRESENT)</u> | | |
| <u>REAR ROLLER</u> | | |
| | 70359000 | REAR ROLLER |
| | 70158900 | ROLLER BOLT |
| | 70159000 | 5/16 INTERNAL TOOTH LOCK WASHER |
| <u>STRADDLE COVERS</u> | | |
| | 70162000 | LT & RT STRADDLE COVERS |
| | 70030900 | 3/8 X 1/16 X 108 FT. DBL. STICK TAPE |
| | 70243400 | BLUE TAPE 1/2 X 150 FT. ROLL |
| <u>PEDESTAL</u> | | |
| <u>(98 style)</u> | 70176800 | Pedestal Weldment, 450 W/ end caps |
| <u>(99- 00 style)</u> | 70233200 | ROUND PEDESTAL WELDMENT |
| | 70155900 | PEDESTAL SCREWS |
| <u>FRAME</u> | | |
| | 70255903 | FRAME WELDMENT ADJ. FRONT ROLLER |
| | 70155200 | BUMPER FEET |
| | 70020200 | BUMPER FEET SCREW 10/32X1 1/4PPH |

Model 500-550

Parts List

- **500, P, HRC (SS100-SS90) Page 44**
- **500Z & ZT, P, HRC Page 48**
- **540, P, HRC, CI (NON Z) Page 51**
- **540Z, ZT, P, HRC, CI Page 54**
- **550, P, HRC Page 57**
- **550z, P, HRC, CI Page 59**
- **550 ZTX, P, HRC, CI Page 61**

500P, HRC (SS100-SS90) PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|--|--|
| <u>CONTROL PANEL</u> | |
| <u>500 Boards Only (SS90)</u> <u>Up to 98 with a letter</u> | 70132415 500NON Board Only 70132414 500P Board Only 70132413 500HRC Board Only 70176911 500CI Board Only |
| <u>500 (99 Style Board Only)</u> <u>(98 with a letter)</u> | 70237523 500P Board Only 70237522 500HRC Board Only 70237612 500CI Board Only |
| <u>500A (2000) Style Board Only</u> | 70237415 500A NON Board Only 70237414 500A P Board Only 70237413 500A HRC Board Only |
| | 70018100 CHERRY SWITCH (SS100) 70150000 SAFETY SWITCH-ASSY 70177400 SAFETY KEY 70020400 SAFETY SWITCH SCREWS 70020600 SAFETY SWITCH NUTS 70185400 HEART RATE RECEIVER 70138500 POLAR HEART RATE CHEST STRAP 70284100 Old 500 70240503 EXTRUSION-PANEL CLIP 26 3/4" |
| <u>OVERLAY</u> | |
| <u>(SS100 OVERLAY)</u> | 70119301 500 NON OVERLAYS-SS100 70119901 500P OVERLAYS-SS100 70179701 500 HRC OVERLAYS-SS100 |
| (98 OVERLAY) | 70160811 500 NON SS90 OVERLAY 98 STYLE 70160813 500 P SS90 OVERLAY 98 STYLE 70160812 500 HRC SS90 OVERLAY 98 STYLE |
| (99 OVERLAY) <u>(98 with a letter)</u> | 70242211 DOT/OVERLAY ASSY, 500P 70242212 DOT/OVERLAY ASSY, 500HRC |
| (2000 STYLE) | 70265100 DOT / OVERLAY ASSY, 500A 70265011 DOT / OVERLAY ASSY, 500A HRC 70265012 DOT / OVERLAY ASSY, 500A P 70242410 DOT / OVERLAY ASSY, 500CI |
| <u>PWM</u> | |
| <u>(SS100)</u> | 70113900 PWM MOTOR CONTROLLER-SS100 70132500 SS90 PWM MOTOR CONTROLLER |

SPEED SENSOR

70183500 500CI PWM [96-80000]-[98-80000]SS95
70154800 SPEED SENSOR ASSY.-SS100
70243200 SS90 SPEED SENSOR NEW STYLE

DATA CABLE**(SS100)**

70119400 DATA CABLE-SS100 NON, P, HRC
70120400 LOWER WIRE HARNESS-SS100
70337900 INTF. CABLE ASSY 500 N/P SS90
70337800 INTF. CABLE ASSY 500 HRC SS90

DRV MTR**(SS100)**

70155101 DRIVE MOTOR-2.0 10MPH
70155102 DRIVE MOTOR-2.5 12MPH
70325500 DRIVE MOTOR 3HP SS90-Z SERIES
70125600 DRIVE MOTOR-CARRIAGE BOLT

DRV BELT

70006300 DRIVE BELT 210J10-V BELT

ELEVATION MTR

70113200 ELEVATION MOTOR
70118900 SWIVEL PIN
70183200 INCLINE START CAPACITOR
70115500 CLEVIS PIN 3/8 DIA. 1 1/2" LONG
70116700 COTTER HAIR PIN .062 DIA.
70022600 SET SCREW, INCLINE, SWIVEL PIN

LLS

70121000 LOWER LIMIT SWITCH
70120500 WIRE-PWM TO LOWER LIMIT SWITCH

ELEVATION RACK

70281002 ELEVATION RACK
70154600 INCLINE BEARING BLOCK
70126200 FLANGED INCLINE BEARING

WHEEL / BOLTS

70176700 MOLDED WHEEL, 2 1/4" DIA. 3/8 HOLE
70003100 SHOULDER BOLT-FRONT WHEEL 3/8 X 1"

(NEW STYLE)

70176701 MOLDED WHEEL, 2 1/4" DIA 1/2" HOLE
70174300 1/2" X 1" SHOULDER BOLT

POWER CORD

70253100 POWER CORD, 120 VAC
70013900 BUSHING-3/8"BLACK
70008200 STRAIN RELIEF BUSHING

ON / OFF SWITCH

70251100 ON/OFF SWITCH
70261000 220V ON/OFF SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT

70159400 TREADBELT
70058100 STRETCH-TREADBELT
70058200 ORTHO-TREADBELT-20X108 ROL-TOP
70068500 ORTHO-STRETCH TREADBELT

**DECK
(SS100)**

70072800 DECK ASSY
70072700 STRETCH DECK ASSY

70157900 FLEX DECK ASSY. 500/WELDED
70157800 STRETCH DECK ASSY, 500S/WELDED

(DECK HARDWARE)

70232700 DECK BUMPER-ASSY.
70086700 DECK BUMPER SCREWS
70020200 DECK SCREW 10-32 X 1 1/4"

**FRONT ROLLER
(SS100)**

70119500 FRONT ROLLER-95 WIDE WITH 4 MAG.
70207800 ROLLER SCREW

70217300 FRONT ROLLER ASSY, '99

97

HARDWARE - ADJ.

70255400 FRONT ROLLER ASSY, ADJ. '00
70188500 BOLT 1/4-20 / ADJ. END
70185300 NUT 1/4-20
70256800 FLAT WASHER
70190900 FLANG BOLT 1/4-20 FIXED END

**REAR ROLLER
(SS100)**

70073600 REAR ROLLER ASSY SS100

70157400 REAR ROLLER ASSY, WELDED SS90

STRADDLE COVERS

(SS100) 70074700 STRADDLE COVER-RIGHT SIDE
70074900 STRADDLE COVER-LEFT SIDE

70162101 STRADDLE COVER ALM. '99 STYLE
70162102 STRETCH STRDL. CVR. ALM. '99 STYLE

70263900 STRADDLE COVER PLASTIC 500A,P,HRC

PEDESTAL**(SS100)**

| | |
|----------|-----------------------------|
| 70122200 | PEDESTAL ASSEMBLY-VINYL |
| 70070200 | HANDLEBAR |
| 70155900 | PEDESTAL SCREW |
| 70013500 | HANDLEBAR SCREWS #10-32X3/8 |

('98 STYLE)

| | |
|----------|--------------------------------|
| 70179600 | PED.-WELDMENT 500NON,P,HRC '98 |
| 70179500 | PED.-WELDMENT 500CI '98 |

('99-'00 / '98 W/LETTER)

| | |
|----------|-------------------------------------|
| 70233300 | PED.-WELDMENT 500 NON,P,HRC '99-'00 |
| 70233400 | PED.-WELDMENT 500CI '99-'00 |
| 70204200 | RAM RAILS NON CHR |

FRAME

| | |
|----------|-------------|
| 70155200 | BUMPER FEET |
|----------|-------------|

LUBRICATION

| | |
|----------|---------------------------------|
| 70348900 | LUBE STICK |
| 70349000 | SILICONE PACKET (1 APPLICATION) |

| | |
|----------|-------------------|
| 70204200 | RAM RAILS NON CHR |
|----------|-------------------|

FRAME

| | |
|----------|-------------|
| 70155200 | BUMPER FEET |
|----------|-------------|

LUBRICATION

| | |
|----------|---------------------------------|
| 70348900 | LUBE STICK |
| 70349000 | SILICONE PACKET (1 APPLICATION) |

500Z & ZT, P, HRC PARTS LIST

| <u>CONTROL PANEL</u> | <u>PART #</u> | <u>DESCRIPTION</u> |
|--------------------------------|---------------|--------------------------------------|
| <u>(500ZT's) Overlay Only</u> | 70327510 | 500ZT NON/P Overlay Only |
| <u>Z also</u> | 70327511 | 500ZT HRC Overlay Only |
| <u>(500ZT'S) BOARDS</u> | 70328016 | 500ZT NON CONTROL BOARD ONLY |
| <u>ONLY</u> | 70328015 | 500ZT P CONTROL BOARD ONLY |
| | 70328014 | 500ZT HRC CONTROL BOARD ONLY |
| <u>(500ZT EX'S) BOARDS</u> | 70328056 | 500ZTEX NON CONTROL BOARD ONLY |
| <u>ONLY International</u> | 70328055 | 500ZTP EX CONTROL BOARD ONLY |
| | 70328054 | 500ZTHRC EX CONTROL BOARD ONLY |
| <u>SAME PANELS</u> | 70328100 | 500Z,ZT NON PANEL |
| <u>AS NEW 500ZT</u> | 70328101 | 500Z,ZT P PANEL |
| <u>SERIES.</u> | 70328200 | 500Z,ZT HRC PANEL |
| | 70290601 | PANEL, BOTTOM CONSOLE |
| | 70294301 | PANEL LF.LWR. GRIP CLOSURE |
| | 70290801 | PANEL RT.LWR. GRIP CLOSURE |
| | 70290701 | HANDLE LT. CONSOLE |
| | 70290801 | HANDLE RT. CONSOLE |
| | 70331000 | MAGNET SAFETY KEY |
| <u>PWM</u> | | |
| | 70132500 | PWM - MOTOR CONTROLLER |
| <u>500 ZT SERIES</u> | 70342900 | 7/21/2003 PWM - MOTOR CONTROLLER |
| <u>SPEED SENSOR</u> | | |
| | 70243200 | CIRCUIT BOARD SPEED SENSOR |
| | 70243300 | SPEED SENSOR SCREW |
| <u>DATA CABLE</u> | | |
| | 70337900 | 500Z NON DATA CABLE ,P |
| | 70337800 | 500Z HRC DATA CABLE |
| <u>500 ZT SERIES</u> | 70341300 | 20 PIN DATA CABLE |
| <u>DRIVE MOTOR</u> | | |
| | 70325500 | 3HP DRIVE MOTOR |
| | 70341500 | 500ZT DRIVE MOTOR |
| <u>DRV BELT</u> | | |
| | 70006300 | DRIVE BELT 210J10 |

ELEVATION MTR

| | |
|----------|---------------------------|
| 70113200 | ELEVATION MOTOR |
| 70183200 | ELEVATION START CAPACITOR |
| 70115500 | 3/8X1 CLEVIS PIN |
| 70116700 | COTTER PIN |
| 70013500 | 10-32 X 3/8 PPH SCREW |
| 70118900 | TORQUE ARM SWIVEL PIN |

LLS

| | |
|----------|-----------------------|
| 70121000 | LLS |
| 70120500 | LLS wire assy. To PWM |

ELEVATION RACK

| | |
|----------|-----------------------|
| 70281002 | ELEVATION RISER ASSY. |
| 70154600 | ELEVATION BLOCK ASSY. |

POWER CORD

| | | |
|----------|-----------------|---------|
| 70253100 | 9FT. POWER CORD | ER CORD |
|----------|-----------------|---------|

ON / OFF SWITCH

| | |
|----------|----------------------|
| 70251100 | ROCKER ON/OFF SWITCH |
|----------|----------------------|

CIRCUIT BREAKER

| | |
|----------|------------------------|
| 70017200 | 15 AMP CIRCUIT BREAKER |
|----------|------------------------|

TREADBELT

| | |
|----------|-----------------------------|
| 70159400 | 22 X 119 3/4 2PLY TREADBELT |
|----------|-----------------------------|

(ZT)

| | |
|----------|--------------------------------------|
| 70321600 | NEW ZT 20"X112 1/4" TREADBELT |
|----------|--------------------------------------|

DECK

| | |
|----------|-----------|
| 70157900 | FLEX DECK |
|----------|-----------|

(ZT)

| | |
|----------|------------------------|
| 70324300 | 500ZT FLEX DECK |
|----------|------------------------|

FRONT ROLLER

| | |
|----------|-----------------------------------|
| 70255400 | ADJ. FRONT ROLLER |
| 70352200 | NEW NUMBER FOR ROLLER |
| 70190900 | ROLLER SCREW 1/4-20 X 2 GRD5 ZINC |

REAR ROLLER

| | |
|----------|-------------|
| 70157400 | REAR ROLLER |
|----------|-------------|

STRADDLE COVERS

| | |
|----------|------------------------------|
| 70162110 | STRADDLE COVER/ALUM. 54 1/2" |
|----------|------------------------------|

(ZT)

| | |
|----------|-----------------------------------|
| 70343700 | 500ZT STRAD. CVRS. RT.<. |
|----------|-----------------------------------|

(ZT)

| | |
|----------|---|
| 70334000 | 500ZT STRAD CVR FRONT CAP Rt (Bullet |
|----------|---|

| | |
|----------|---|
| 70334100 | 500ZT STRAD CVR FRONT CAP LT (Bullet |
|----------|---|

| | |
|----------|--|
| 70030900 | DBL SIDE STICK TAPE 3/8 X 1/16 X 108FT |
| 70243400 | BLUE TAPE-STR. CVR. 1/2 X 150FT. ROLL |
| 70086700 | 6X1 SRADDLE COVER SCREW |

RAMRAILS

| | |
|----------|----------------|
| 70330800 | LEFT RAM RAIL |
| 70330900 | RIGHT RAM RAIL |

PEDESTAL

| | |
|----------|----------------------------|
| 70325000 | PEDESTAL- WELDMENT/ROUNDED |
|----------|----------------------------|

(ZT)

| | |
|----------|---------------------------------|
| 70336900 | 500ZT PEDESTAL WELMENT |
| 70304200 | pedestal screw for zt |
| 70156900 | RUBBER WEAR STRIP FOR BASE-PED. |

FRAME

| | |
|----------|---------------------------------|
| 70262401 | FRAME WELDMENT/RND. ADJ. ROLLER |
|----------|---------------------------------|

(ZT)

| | |
|----------|------------------------------------|
| 70322800 | 500ZT FRAME WLD/RND. ADJ. FR. ROLL |
| 70155200 | BUMPER FEET |

LUBRICATION

| | |
|----------|---------------------------------|
| 70348900 | LUBE STICK |
| 70349000 | SILICONE PACKET (1 APPLICATION) |

540P, HRC, CI (NON Z) PARTS LIST

CONTROL PANEL

PART

DESCRIPTION

| | |
|----------|------------------------------|
| 70237419 | 540 NON CONTROL BOARD |
| 70237421 | 540 P CONTROL BOARD |
| 70237420 | 540 HRC CONTROL BOARD |
| 70237614 | 540 CI CONTROL BOARD |

| | |
|----------|----------------|
| 70290110 | 540non overlay |
| 70289310 | 540p overlay |
| 70289410 | 540hrc overlay |
| 70290310 | 540ci overlay |

| | |
|----------|------------------|
| 70177400 | SAFETY KEY ASSY. |
| 70150000 | SAFETY SWITCH |

PWM

| | |
|----------|-----------------------------|
| 70132500 | MOTOR CONTROLLER (PWM) |
| 70013500 | SCREW, 10-32x3/8 PPH TFS Bo |

SPEED SENSOR

| | |
|----------|---------------------------------|
| 70243200 | SPEED SENSOR |
| 70243300 | SCREW 4-40x1/4 PPH SELF TAPPING |

DATA CABLE

| | |
|----------|----------------------|
| 70337900 | 540NON, P DATA CABLE |
| 70337800 | 540 HRC DATA CABLE |
| 70337700 | 540 CI DATA CABLE |
| 70104000 | SCREW #10x1/2 PPH |

DRIVE MOTOR

| | |
|----------|-----------------------------------|
| 70325500 | 3HP. DRIVE MOTOR |
| 70125700 | SCREW 10-32x1/4 PPH TFS Bo |
| 70155200 | BUMPER FEET 1 1/8 x1 1/2 |
| 70176000 | 3/8 Dbl Coated foam tape Tesa -49 |
| 70013500 | SCREW10-32x1/4 PPH TFS Bo |
| 70125500 | 5/16-18 NYLOC NUT |
| 70115200 | WASHER 3/8 1Dx7/8odx.083F |
| 70125600 | 5/16-18x2 CARRIAGE BOLT |

DRV BELT

| | |
|----------|------------------------|
| 70006300 | POLY-V-BELT DRIVE BELT |
|----------|------------------------|

ELEVATION MTR

| | |
|----------|-----------------|
| 70113200 | ELEVATION MOTOR |
|----------|-----------------|

| | |
|----------|------------------------------|
| 70115500 | CLEVIS PIN 3/8x1 1/2 |
| 70116700 | COTTER PIN 1/16 Dia x 1 5/16 |
| 70013500 | SCREW 10-32 x 3/8 PPH TFSBO |
| 70118900 | TORQUE ARM SWIVEL PIN |

LLS

| | |
|----------|-------------------------------|
| 70121000 | LLS |
| 70125700 | SCREW - 10-32x 1/4 PPH TFS BO |
| 70120500 | LLS WIRE ASSY. To PWM |

ELEVATION RACK

| | |
|----------|--------------------------------|
| 70281003 | ELEV. RISER ASSY. |
| 70154600 | ELEV. BLOCK ASSY. |
| 70122800 | SOCKET HD. CAP SCREWS 1/4-20x1 |
| 70183200 | INCLINE START CAPACITOR |
| 70013500 | SCREW FOR CAP./10-32x3/8 |

POWER CORD

| | |
|----------|-------------------------------------|
| 70253100 | POWER CORD 12* 14/3 SJTW BLACK STRT |
| 70125700 | SCREW 10-32x1/4 PPH TFS Bo |

ON / OFF SWITCH

| | |
|----------|----------------------|
| 70251100 | ROCKER ON/OFF SWITCH |
|----------|----------------------|

CIRCUIT BREAKER

| | |
|----------|------------------------|
| 70017200 | 15 AMP CIRCUIT BREAKER |
|----------|------------------------|

TREADBELT

| | |
|----------|-------------------------------|
| 70290000 | BELT 22x119 3/4 ST E5 2Ply-Lo |
| 70289900 | 540 ORTHO TREADBELT |

DECK

| | |
|----------|-----------------------------|
| 70288900 | FLEX DECK |
| 70020200 | SCREW 10/32 x 1 1/4 PPH "F" |
| 70158600 | BELT GUIDE |
| 70019300 | SCREW 10x3/4 |

FRONT ROLLER

| | |
|----------|-----------------------------------|
| 70275200 | ADJ. FRONT ROLLER |
| 70157000 | WASHER INTERNAL TOOTH STAR 1/4 id |
| 70185300 | NYLOC NUT 1/4-10 2 nc |
| 70190900 | HEX BOLT-TAP1/4-20x2 Grd 5/21NC |
| 70256800 | FLAT WASHER .50x.26x.09 2n Pltd. |

REAR ROLLER

| | |
|----------|-------------------------------|
| 70275500 | REAR ROLLER ASSY. |
| 70159000 | INTERNAL TOOTH WASHER 5/16 |
| 70158900 | BOLT HEX HEAD TAP, Grd 5-5/16 |

STRADDLE COVERS

| | |
|----------|--------------------------|
| 70263900 | Straddle cover / Plastic |
|----------|--------------------------|

| | |
|----------|-------------------------------------|
| 70030900 | TAPE, 3/8x1/16x108ft. DBL stick-49 |
| 70243400 | BLUE TAPE -STR. CVR. 1/2x150ft roll |
| 70086700 | 6X1 DRYWALL SCREW |

RAMRAILS

| | |
|----------|--------------------------|
| 70274105 | CHR RAM RAIL |
| 70210600 | #10x3/4 PPH TEK Screw-bo |
| 70280600 | NON CNR RAILS(RAM) |

PEDESTAL

| | |
|----------|----------------------------|
| 70288600 | PEDESTAL- WELDMENT/ROUNDED |
| 70156900 | RUBBER WEAR STRIPS |

FRAME

| | |
|----------|--------------------------------|
| 70289700 | FRAME WELDMENT/RND. ADJ. FRONT |
| 70155200 | BUMPER FEET |
| 70020200 | SCREW 10/32x1 1/4 |
| 70019300 | SCREW 10x3/4 PPHSMBO |
| 70086700 | 6x1 DRYWALL SCREW |

AUTO WAXER

| | |
|----------|------------------------|
| 70280800 | AUTO WAXER |
| 70019300 | SCREW 10x3/4 PPHSMS Bo |

LUBRICATION

| | |
|----------|---------------------------------|
| 70348900 | LUBE STICK |
| 70349000 | SILICONE PACKET (1 APPLICATION) |

540Z, ZT, P, HRC, CI PARTS LIST

| <u>CONTROL PANEL</u> | <u>PART #</u> | <u>DESCRIPTION</u> |
|--|---------------|-------------------------------------|
| <u>(540Z's) Overlay only</u> | 70292410 | 540Z CI Overlay only |
| <u>(540ZT's)Overlays only</u> | 70327510 | 540ZT P Overlay Only |
| | 70327511 | 540ZT HRC Overlay Only |
| <u>(540ZT'S)BOARDS ONLY</u> | 70328013 | 540ZT P CONTROL BOARD ONLY |
| | 70328012 | 540ZT HRC CONTROL BOARD ONLY |
| | 70298612 | 540 Z CI CONTROL BOARD |
| <u>540ZT EX'S BOARDS ONLY International</u> | 70328053 | 540ZT PEX CONTROL BOARD ONLY |
| | 70328052 | 540ZT HRCEX CONTROL BOARD ONLY |
| <u>ALL 540ZT PANEL ARE THE SAME AS THE REG. 540Z</u> | 70328102 | 540Z,ZT P PANEL |
| | 70328201 | 540Z,ZT HRC PANEL |
| | 70299201 | 540Z,ZT CI PANEL |
| | 70298900 | PANEL SCREW |
| | 70331000 | MAGNET SAFETY KEY |
| | 70290602 | Panel Back Cover |
| <u>OVERLAY</u> | | |
| <u>PWM</u> | | |
| | 70132500 | PWM MOTOR CONTROLLER |
| <u>540 ZT SERIES</u> | 70342900 | 540 ZT MOTOR CONTROLLER |
| | 70013500 | PWM SCREW |
| <u>SPEED SENSOR</u> | | |
| | 70243200 | CIRCUIT BOARD SPEED SENSOR |
| | 70243300 | SPEED SENSOR SCREW |
| <u>DATA CABLE</u> | | |
| <u>ALSO FOR 540ZT</u> | 70341300 | 540ZT 20 pin Data Cable (Most ZT's) |
| | 70337900 | 540Z,ZT P DATA CABLE |
| | 70337800 | 540Z,ZT HRC DATA CABLE 6pin & 8pin |
| | 70337700 | 540Z,ZT CI DATA CABLE 2 pin & 8 pin |
| <u>DRIVE MOTOR</u> | | |
| | 70325500 | 3HP. DRIVE MOTOR |
| | 70341500 | 540ZT DRIVE MOTOR |
| | 70125700 | Screw 10-32x1/4 PPH TFS Bo |
| | 70155200 | BUMPER FEET 1 1/18 X 1 1/2 |
| | 70176000 | 3/8 DBL. COATED FOAM TAPE |

| | | |
|-------------------------------|----------|-----------------------------------|
| | 70013500 | Screw 10-32x1/4 PPH TFS Bo |
| | 70125500 | 5/16-18 NYLOC NUT |
| | 70115200 | WASHER 3/8 ID X 7/8 OD |
| | 70125600 | 5/16-18X2 CARRIAGE BOLT |
| <u>DRV BELT</u> | | |
| | 70006300 | 210J10 DRIVE BELT |
| <u>ELEVATION MTR</u> | | |
| | 70113200 | ELEVATION MOTOR |
| | 70115500 | 3/8 X 1 1/2 CLEVIS PIN |
| | 70116700 | COTTER PIN |
| | 70013500 | Screw 10-32 x 3/8 PPH TFSBO |
| | 70118900 | TORQUE ARM SWIVEL PIN |
| <u>LLS</u> | | |
| | 70121000 | LLS |
| | 70120500 | LOWER LIMIT SWITCH WIRE |
| <u>ELEVATION RACK</u> | | |
| <u>(ZT)</u> | 70281003 | 540ZT ELEVATION RISER ASSY. |
| | 70154600 | ELEVATION BLOCK ASSY. |
| <u>POWER CORD</u> | | |
| | 70253100 | POWER CORD 9FT. |
| <u>ON / OFF SWITCH</u> | | |
| | 70251100 | ROCKER ON/OFF SWITCH |
| <u>CIRCUIT BREAKER</u> | | |
| | 70017200 | 15 AMP CIRCUIT BREAKER |
| <u>TREADBELT</u> | | |
| | 70290000 | 540Z TREADBELT-22 X 108 3/4 |
| | 70289900 | 540Z TREADBELT-22 X 108 3/4 Ortho |
| <u>(ZT)</u> | 70321800 | 540ZT-22"X112 1/4" TREADBELT |
| zt | 70321900 | 540ZT ORTHO BELT |
| <u>DECK</u> | | |
| | 70288900 | 540Z FLEX DECK |
| <u>(ZT)</u> | 70324400 | 540ZT FLEX DECK |
| <u>FRONT ROLLER</u> | | |
| | 70275200 | ADJ. FRONT ROLLER |
| | 70352400 | NEW NUMBER ADJ. FRONT ROLLER |

REAR ROLLER

70275500 REAR ROLLER

STRADDLE COVERS

70263900 STRADDLE COVER/ALUM. 54 1/2" 55

(ZT)70343700 540ZT PLASTIC STRAD. CVRS.
70327002 Plastic Insert
70343901 540ZT Alum Side Covers
70030900 3/8X1/16X108FT ROLL DBL. SIDE STICK T70243400 BLUE TAPE - STR. CVR. 1/2X150FT. ROLL
70329600 SILVER sst tape
70086700 STRADDLE COVER SCREW**RAMRAILS**70330800 LEFT RAM RAIL
70330900 RIGHT RAM RAIL**PEDESTAL**

70325100 PEDESTAL-WELDMENT/ROUNDED

(ZT)

70337000 540ZT PEDESTAL WELDMENT

FRAME

70289701 FRAME WELDMENT/ROUNDED ADJ. RO

(ZT)

70322900 540ZT FRAME WELDMENT/RND.

70155200 BUMPER FEET

LUBRICATION70348900 LUBE STICK
70349000 SILICONE PACKET

550P, HRC PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|-------------------------------|----------------------------------|
| <u>CONTROL PANEL</u> | |
| <u>550 Board Only</u> | |
| 70237519 | 550P Board Only |
| 70237518 | 550HRC Board Only |
| 70237610 | 550CI Board Only |
| 70279200 | 550OP/ P DOT/ PANEL |
| 70279100 | 550HRC DOT/PANEL |
| 70279000 | 550CI DOT/PANEL |
| <u>OVERLAY</u> | |
| 70279201 | 550OP/ P DOT/OVERLAY |
| 70279101 | 550HRC DOT/ OVERLAY |
| 70150000 | Safety Switch Assembly |
| 70279001 | 550CI OVERLAY |
| <u>PWM</u> | |
| 70132500 | MOTOR CONTROLLER |
| 70183500 | 550ci pwm |
| <u>SPEED SENSOR</u> | |
| 70243200 | CIRCUIT BOARD SPEED SENSOR |
| <u>DATA CABLE</u> | |
| 70337900 | 550 P INTERFACE CABLE |
| 70337800 | 550 HRC INTERFACE CABLE |
| 70337700 | 550 CI INTERFACE CABLE |
| <u>DRV MTR</u> | |
| 70325500 | 3HP DRIVE MOTOR |
| <u>DRV BELT</u> | |
| 70006300 | 210J10 POLY-V-BELT |
| <u>ELEVATION MTR</u> | |
| 70113200 | ELEVATION MOTOR |
| <u>LLS</u> | |
| 70121000 | LOWER LIMIT SWITCH |
| <u>ELEVATION RACK</u> | |
| 70281003 | ELEVATION RISER ASSY. |
| <u>POWER CORD</u> | |
| 70253100 | 9FT. POWER CORD |
| 70008200 | STRAIN RELIEF BUSHING |
| <u>ON/OFF SWITCH</u> | |
| 70251100 | ON/OFF ROCKER SWITCH |
| <u>CIRCUIT BREAKER</u> | |
| 70017200 | 15 AMP CIRCUIT BREAKER |
| <u>TREADBELT</u> | |
| 70276800 | 22X119 3/4" 2PLY TREADBELT |
| 70276900 | 22x119 3/4" 2PLY TREADBELT ORTHO |
| <u>550CI BELT DECK</u> | |
| 70276700 | FLEX DECK |
| <u>FRONT ROLLER</u> | |
| 70352400 | ADJ. FRONT ROLLER |
| <u>REAR ROLLER</u> | |

70352000 REAR ROLLER

STRADDLE COVERS

70162109 LT. AND RT.ALUM. STRADDLE COVER

PEDESTAL

70277600 PEDESTAL-WELDMENT/ROUNDED

FRAME

70276000 ADJ. FR. ROLLER FRAME/WELDMENT

LUBRICATION

70348900 LUBE STICK

70349000 SILICONE PACKET (1 APPLICATION)

550Z, P, HRC, CI PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|------------------------------|------------------------------|
| <u>CONTROL PANEL</u> | |
| <u>BOARD ONLY</u> | |
| 70298217 | 550Z P BOARD ONLY |
| 70298218 | 550Z HRC BOARD ONLY |
| 70298613 | 550Z CI BOARD ONLY |
| 70292415 | 550Z P OVERLAY |
| 70334400 | 550Z P PANEL |
| 70334500 | 550Z HRC PANEL |
| 70329900 | 550Z CI PANEL |
| 70331000 | MAGNET SAFETY KEY |
| <u>PWM</u> | |
| 70132500 | PWM MOTOR CONTROLLER |
| 70013500 | PWM SCREW |
| <u>SPEED SENSOR</u> | |
| 70243200 | CIRCUIT BOARD SPEED SENSOR |
| 70243300 | SPEED SENSOR SCREW |
| <u>DATA CABLE</u> | |
| 70337900 | 550Z P DATA CABLE |
| 70337800 | 550Z HRC DATA CABLE |
| 70337700 | 550Z CI DATA CABLE |
| <u>DRIVE MOTOR</u> | |
| 70325500 | 3HP DRIVE MOTOR |
| <u>DRV BELT</u> | |
| 70006300 | 210J10 DRIVE BELT |
| <u>ELEVATION MTR</u> | |
| 70113200 | ELEVATION MOTOR |
| 70183200 | ELEV. MTR. START CAPACITOR |
| 70115500 | 3/8 X 1 1/2 CLEVIS PIN |
| 70116700 | 1/16 DIA X 1 5/16 COTTER PIN |
| 70013500 | Screw 10-32 x 3/8 PPH TFSBO |
| 70118900 | TORQUE ARM SWIVEL PIN |
| <u>LLS</u> | |
| 70121000 | LLS |
| 70120500 | LOWER LIMIT SWITCH WIRE |
| <u>ELEVATION RACK</u> | |
| 70281003 | ELEVATION RISER ASSY. |
| 70154600 | ELEVATION BLOCK ASSY. |

POWER CORD

70253100 POWER CORD 9FT.

ON / OFF SWITCH

70251100 ROCKER ON/OFF SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT70276800 22X119 3/4 2PLY TREADBELT
70276900 Belt Seig 22x119 3/4 550 Ortho**DECK**

70276700 FLEX DECK

FRONT ROLLER

70352400 ADJ. FRONT ROLLER

REAR ROLLER

70352000 REAR ROLLER

STRADDLE COVERS70162110 STRADDLE CVR/ALUM 54 1/2"
70030900 3/8X1/16X108FT. DBL. STICK TAPE
70243400 1/2X150FT ROLL BLUE TAPE
70086700 6X1 STRADDLE COVER SCREW**RAMRAILS**70330800 LEFT RAM RAIL
70330900 RIGHT RAM RAIL**CARRIAGE ASSY. 550Z CI**70240900 ADJ. MOTOR ASSY 550Z CI
70241100 COVER PAN-WELDMENT
70239200 SHAFT
70250700 LIMIT SWITCH ASSY.-STOP 550CI
70249900 S.O.F.T. SELECT POWER CABLE
70280000 INTERFACE CABLE-ASSY.550Z CI
70280400 ADJ. CARRIAGE ASSY. 550Z CI
70252300 CIRCUIT BOARD INTERFACE 550Z CI**PEDESTAL**70325104 PED-WELDMENT/ROUNDED HRC
70325105 PED-WELDMENT/ROUNDED P**FRAME**70276000 FRAME WELDMENT/RND-ADJ ROLLER
70155200 BUMPER FEET**LUBRICATION**70348900 LUBE STICK
70349000 SILICONE PACKET (1 APPLICATION)

550 ZTX, P, HRC, CI PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|---------------------------------------|---------------------------------|
| <u>CONTROL PANEL</u> | |
| <u>(550ZTX's) Overlay only</u> | |
| 70292415 | 550ZTX P Overlay only |
| 70292413 | 550ZTX HRC Overlay only |
| 70292414 | 550ZTX CI Overlay Only |
| <u>Control Board Only</u> | |
| 70298216 | 550ZTX P CONTROL Board Only |
| 70298215 | 550ZTX HRC CONTROL Board Only |
| 70298611 | 550ZTX CI CONTROL Board Only |
| <u>International Version</u> | |
| 70298256 | 550ZTX PEX CONTROL Board Only |
| 70298255 | 550ZTX HRCEX CONTROL Board Only |
| 70298651 | 550ZTX CIEX CONTROL Board Only |
| <u>Panel Assy.</u> | |
| 70299007 | 550ZTX P CONTROL PANEL |
| 70298707 | 550ZTX HRC CONTROL PANEL |
| 70329900 | 550ZTX CI CONTROL PANEL |
| <u>PWM</u> | |
| 70342900 | MOTOR CONTROLLER |
| <u>Speed Sensor</u> | |
| 70243200 | Speed Sensor |
| <u>DATA CABLE</u> | |
| <u>500zt</u> | |
| 70341300 | DATA CABLE HRC |
| <u>DRV MTR</u> | |
| 70341500 | 3HP 10 MPH DRIVE MOTOR |
| 70293002 | MOTOR COVER |
| <u>DRV BELT</u> | |
| 70006300 | 210J10 POLY-V-BELT |
| <u>ELEVATION MTR</u> | |
| 70330100 | INCLINE MOTOR ASSY |
| <u>LLS</u> | |
| 70309401 | LOWER LIMIT SWITCH |
| 70120501 | LOWER LIMIT SWITCH WIRE TO PWM |
| <u>ELEVATION RACK</u> | |
| 70329300 | INCLINE RACK ASSY |
| <u>POWER CORD</u> | |
| 70253100 | 9FT POWER CORD |
| 70008200 | STRAIN RELIEF BUSHING |
| <u>CIRCUIT BREAKER</u> | |
| 70017200 | 15 AMP CIRCUIT BREAKER |

TREADBELT

| | |
|----------|------------------------------------|
| 70322000 | 22"X124" TREADBELT |
| 70322100 | ORTHO BELT FOR THE 550ZTX CI AND O |

DECK

| | |
|----------|-----------|
| 70324500 | FLEX DECK |
| 70232700 | Bumper |

FRONT ROLLER

| | |
|----------|-------------------|
| 70352400 | ADJ. FRONT ROLLER |
|----------|-------------------|

REAR ROLLER

| | |
|----------|-------------|
| 70352000 | REAR ROLLER |
|----------|-------------|

STRADDLE COVERS

| | |
|----------|------------------------------|
| 70343800 | ALUM. STRADDLE COVER RH & LH |
|----------|------------------------------|

RAMRAILS

| | |
|----------|----------------------------------|
| 70330800 | LH RAM RAIL |
| 70330900 | RH RAM RAIL |
| 70347500 | INTERCHANGABLE RAM RAILS RT.<. |

PEDESTAL

| | |
|----------|---------------------------------------|
| 70325302 | PEDESTAL WELDMENT - ARCHED 550ztx hrc |
|----------|---------------------------------------|

FRAME

| | |
|----------|----------------|
| 70337100 | FRAME WELDMENT |
|----------|----------------|

LUBRICATION

| | |
|----------|---------------------------------|
| 70348900 | LUBE STICK |
| 70349000 | SILICONE PACKET (1 APPLICATION) |

Model 600-750

Parts List

- **600, P, HRC** **Page 64**
- **600Z / 700Z, P, HRC** **Page 67**
- **700, P, HRC (SS100-SS90)** **Page 70**
- **700A, P, HRC** **Page 73**
- **725 P, HRC** **Page 76**
- **750, P, HRC, CI** **Page 79**

600P, HRC PARTS LIST

| <u>CONTROL PANEL</u> | <u>PART #</u> | <u>DESCRIPTION</u> |
|--------------------------|---------------|--------------------------------|
| <u>(600) Board Only</u> | 70237412 | 600NON Board Only |
| | 70237411 | 600P Board Only |
| | 70237410 | 600HRC Board Only |
| | 70269900 | 600NON DOT PANEL 00-PRESENT |
| | 70269901 | 600P DOT PANEL 00-PRESENT |
| | 70150000 | SAFETY SWITCH ASSY. |
| | 70182800 | SAFETY KEY ASSY. |
| <u>OVERLAY</u> | | |
| | 70269910 | 600NON DOT OVERLAY 00-PRESENT |
| | 70269911 | 600P DOT OVERLAY 00-PRESENT |
| | 70265011 | 600HRC DOT OVERLAY 00-PRESENT |
| <u>PWM</u> | | |
| | 70219200 | MOTOR CONTROLLER SS-92 DCI |
| | 70219201 | MOTOR CONTROLLER 02-PRESENT |
| | 70013500 | PWM SCREW |
| <u>SPEED SENSOR</u> | | |
| | 70243200 | CIRCUIT BOARD SPEED SENSOR |
| | 70243300 | SPEED SENSOR SCREW |
| <u>DATA CABLE</u> | | |
| | 70337900 | NON HRC DATA CABLE |
| | 70337800 | P DATA CABLE |
| <u>DRV MTR</u> | | |
| | 70325500 | 3HP DRIVE MOTOR |
| | 70282700 | MOTOR CHOKE ASSY. |
| | 70125500 | NYLOCK NUT- 5/16-18 DRIVE MTR. |
| | 70125600 | CARRIAGE BOLT -5/16-18 X 2 3/4 |
| <u>DRV BELT</u> | | |
| | 70006300 | 210J10 POLY-V-BELT |
| <u>ELEVATION MTR</u> | | |
| | 70113200 | ELEVATION MOTOR |
| | 70115500 | CLEVIS PIN 3/8 X 1 1/2 |
| | 70118900 | TORQUE ARM SWIVEL PIN |
| | 70116700 | COTTER PIN 1/16 DIA. X1 5/16 |
| | 70183200 | ELEVATION START CAPACITOR |
| | 70013500 | CAPACITOR SCREW 10-32 3/8 PPH |
| <u>LLS</u> | | |
| | 70121000 | LOWER LIMIT SWITCH |

70125700 10-32 X 1/4 PPH SCREW
70120500 LOWER LIMIT SWITCH WIRE TO PWM

ELEVATION RACK

70281002 ELEVATION RISER ASSY.
70154600 ELEVATION BLOCK ASSY.
70122800 1/4-20 X 1 SOCKET HD. CAP SCREW

POWER CORD

70282900 12 FT. POWER CORD
70303700 NEMA PLUG

ON / OFF SWITCH

70251100 ROCKER ON/OFF SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT

70159400 20" X 108" 2 PLY SEIGLING TREADBELT

DECK

70157900 FLEX DECK
70020200 DECK SCREW 10/32 X 1 1/4

BUMPER KIT

70155200 BUMPER FEET
70020200 10/32 X 1 1/4 PPH SCREW
70232700 FLEX BUMPER
70086700 BUMPER SCREW 6 X 1

FRONT ROLLER

(ADJUSTABLE)

70255400 ADJ. FRONT ROLLER
70188500 BOLT - ADJ. FR.
70185300 NYLOCK NUT - ADJ. FR.
70256800 FLAT WASHER
70190900 BOLT - FR. SOLID MOUNT END / ADJ. FR

REAR ROLLER

70157400 REAR ROLLER
70158900 REAR ROLLER BOLT
70159000 INTERNAL TOOTH WASHER 5/16

STRADDLE COVERS

70162101 STRADDLE COVERS RT. & LT. ALUM.
70086700 6 X 1 DRYWALL SCREW
70030900 DBL. STICK TAPE 3/8 X 1/16 X 108FT.
70243400 BLUE TAPE 1/2 X 150FT.

RAMRAILS

70274101 HANDLEBAR ASSY./ RAM - CHR
70210600 #10 X 3/4 PPH TEK SCREW

REHAB RAILS

70274401 REHAB HANDRAIL ASSY. - CHR

REHAB HARDWARE

70157000 WASHER - INTERNAL STAR
70013500 SCREW 10-32 X 38 PPH
70104000 SCREW # 10 X 1/2 PPH TEK
70122800 SCREW 1/4-20 X 1 SOCKET HEAD CAP
70064500 PLASTIC PLUG

PEDESTAL

70264600 WELDED PEDESTAL 600 NON-CI
70155900 SCREW PED / 1/4-20 X 5/8
70157000 INTERNAL TOOTH STAR WASHER / PED
70269800 BOTTLE HOLDER / MOLDED PLASTIC
70019300 SCREW - BOTTLE HOLDER

FRAME

70262401 FRAME WELDMENT/ROUNDED ADJ. RO

AUTO WAXER

70280800 600 AUTO WAXER ASSY.
70019300 10 X 3/4 PPHSMS SCREW
70239800 REPLACEMENT WAX CHANNEL ASSY.

LUBRICATION

70348900 LUBE STICK
70349000 SILICONE PACKET (1 APPLICATION)

600Z/ 700Z, P, HRC PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|--------------------------------------|-------------------------------|
| <u>CONTROL PANEL</u> | |
| <u>(600Z's) Overlays only</u> | |
| 70327510 | 600Z NON/P Overlay Only |
| 70327511 | 600Z HRCEX OVERLAY |
| <u>Board Only 600Z</u> | |
| 70328011 | 600Z NON Control Board Only |
| 70328010 | 600Z P |
| <u>International</u> | |
| 70328051 | 600Z HRCEX Control Board Only |
| <u>(700Z's) Overlays only</u> | |
| 70292412 | 700Z Overlay only |
| 70292411 | 700Z P Overlay only |
| 70292413 | 700Z HRC Overlay only |
| <u>Board Only 700Z</u> | |
| 70298412 | 700Z NON Control Board Only |
| 70298214 | 700Z P Control Board Only |
| 70298213 | 700Z HRC Control Board Only |
| <u>International</u> | |
| 70298452 | 700Z NONEX Control Board Only |
| 70298254 | 700Z PEX Control Board Only |
| 70298253 | 700Z HRCEX Control Board Only |
| 70290601 | PANEL,BOTTOM CONSOLE |
| 70294301 | PANEL LF. HANDLEGRIP LOWER |
| 70294302 | PANEL RT. HANDLEGRIP LOWER |
| | |
| <u>PWM</u> | |
| 70343000 | 220 VOLT PWM |
| 70342900 | MOTOR CONTROLLER |
| | |
| <u>SPEED SENSOR</u> | |
| 70243200 | CIRCUIT BOARD SPEED SENSOR |
| | |
| <u>DATA CABLE</u> | |
| 70341300 | 20 PIN DATA CABLE |
| | |
| <u>DRV MTR</u> | |
| 70260800 | 220 MOTOR |
| 70341500 | 3HP 115V DRIVE MOTOR |
| | |
| <u>DRV BELT</u> | |
| 70006300 | 210J10 POLY-V-BELT |
| | |
| <u>ELEVATION MTR</u> | |
| 70260800 | 220 ELEVATION MOTOR |
| 70113200 | ELEVATION MOTOR |

LLS

70121000 LOWER LIMIT SWITCH

ELEVATION RACK

70281002 600Z ELEVATION RISER ASSY.

70281003 700Z ELEVATION RISER ASSY.

POWER CORD

70303700 12' POWER CORD

ON / OFF SWITCH

70251100 ON/OFF ROCKER SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT

70317300 600Z 20"X108" TREADBELT

70317400 700Z 22"X119 3/4" TREADBELT

DECK

70157900 600Z FLEX DECK

70276700 700Z FLEX DECK

FRONT ROLLER

70352200 600Z ADJ. FRONT ROLLER

70352400 700Z ADJ. FRONT ROLLER

REAR ROLLER

70351800 600Z REAR ROLLER

70352000 700Z REAR ROLLER

STRADDLE COVERS

70162111 600Z ALUM.STRADDLE CVRS.

70162110 700Z ALUM. STRADDLE COVERS

RAMRAILS

70330800 LH RAM RAILS

70330900 RH RAM RAILS

PEDESTAL

70325100 PEDESTAL WELDMENT

FRAME

70262405 600Z WLD/RND ADJ. ROLLER FRAME

70276003 700Z FRAME W/ ADJ. FR. ROLLER

AUTO WAXER

70280800 AUTOWAXER

LUBRICATION

70348900 LUBE STICK

70349000 SILICONE PACKET (1 APPLICATION)

Replacement Pedestal 70325103!

700P, HRC (SS100-SS90) PARTS LIST

| | <u>PART #</u> | <u>DESCRIPTION</u> |
|-----------------------------------|---------------|---|
| <u>CONTROL PANEL</u> | | |
| <u>(SS100)</u> | 70119300 | 700NON SS100 PANEL 95-96 |
| | 70119900 | 700P SS100 PANEL 95-96 |
| | 70179700 | 700HRC SS100 PANEL 95-95 |
| <u>(97-98 STYLE)</u> | 70132412 | 700NON SS90 Control Board Only 97-98 |
| <u>Board Only</u> | 70132411 | 700P SS90 Control Board Only 97-98 |
| | 70132410 | 700HRC SS90 Control Board Only 97-98 |
| <u>(99-PRESENT)</u> | 70237515 | 700 NON 15% DOT Control Board Only 99-Z |
| <u>(DOT Control Board)</u> | 70237514 | 700 P 15% DOT Control Board Only 99-Z |
| | 70237513 | 700 HRC 15% DOT Control Board Only 99-Z |
| | 70185400 | HEART RATE RECEIVER |
| | 70138500 | POLAR CHEST STRAP-HEART RATE |
| | 70273800 | CONTACT H R TRANSMITTER |
| | 70182800 | SAFETY SWITCH ASSY. 700 |
| | 70209700 | PUSH BUTTON SAFETY SWITCH SS90 TON SAFETY SWITCH SS90 |
| <u>OVERLAY</u> | | |
| <u>(SS100 STYLE)</u> | 70119301 | 700NON SS100 OVERLAY 95-96 |
| | 70119901 | 700P SS100 OVERLAY 95-96 |
| | 70179701 | 700HRC SS100 OVERLAY 95-96 |
| <u>(97-98 STYLE)</u> | 70160815 | 700NON SS90 OVERLAY 97-98 |
| | 70160816 | 700P SS90 OVERLAY 97-98 |
| | 70160814 | 700HRC SS90 OVERLAY 97-98 |
| <u>(99-PRESENT)</u> | 70242310 | 700 NON DOT OVERLAY 99-PRESENT |
| | 70242311 | 700 P DOT OVERLAY 99-PRESENT |
| | 70242312 | 700 HRC DOT OVERLAY 99-PRESENT |
| <u>PWM</u> | | |
| <u>(SS100)</u> | 70113900 | (SS100) MOTOR CONTROLLER |
| <u>(96-800000-)</u> | 70219200 | PWM MOTOR CONTROLLER |
| <u>(PRESENT)</u> | | |
| <u>SPEED SENSOR</u> | | |
| <u>(SS90 STYLE-98-)</u> | 70162402 | SPEED SENSOR SS90 |

(99-PRESENT)

70243201 SPEED SENSOR 700, P, HRC

DATA CABLE

70337900 700, P DATA CABLE
70337800 700 HRC DATA CABLE

DRV MTR

70325600 DRIVE MOTOR 3HP W/FLYWHEEL
70263500 220V DRIVE MOTOR
70155300 DRIVE PULLEY 1 11/16" DIA.
70146500 DRIVE PULLEY 12MPH

DRV BELT

70127600 DRIVE BELT 260J10 POLY-V-BELT

ELEVATION MTR

(HARDWARE)

70171500 ELEVATION MOTOR 115V 700, P, HRC
70126200 INCLINE BEARING (FLANGED)
70118900 SWIVEL PIN/TORQUE ARM
70115500 CLEVIS PIN 3/8 DIA. 1 1/2 IN. LONG
70116700 HAIR COTTER PIN .062 DIA.
70022600 SET SCREW, INCLINE, CONE POINT

LLS

70121000 LOWER LIMIT SWITCH
70018100 CHERRY SWITCH
70120500 LOWER LIMIT SWITCH WIRE

ELEVATION RACK

(BEFORE AUG99)

70176700 MOLDED WHEEL 3/8 BEF.AUG.99
70003100 WHEEL BOLT 3/8 BEFORE AUG, 99

AFTER AUG., 99)

70176701 MOLDED WHEEL 2 1/4 AFT.AUG, 99
70174300 WHEEL BOLT 1/2" AFTER AUG., 99

POWER CORD

70282900 POWER CORD 12 FT.
70008200 STRAIN RELIEF BUSHING

ON / OFF SWITCH

70251100 ON/OFF SWITCH

CIRCUIT BREAKER

70017200 15 AMP CIRCUIT BREAKER

TREADBELT

70214300 TREADBELT 700, P, HRC

DECK

| | | |
|-------------------------------|-----------------------|--|
| | 70158000 | DECK |
| | 70086700 | DECK SUSP. BLOCK SCREW6X1 |
| | 70020200 | DECK SCREWS 10/32X1 1/4" |
| <u>FRONT ROLLER</u> | | |
| | 70150800 | FRONT ROLLER ASSY, 700 W/SS100 |
| | (NON-ADJ.) | 70164700 FRONT ROLLER 8 MAGNET/NON ADJ |
| | (ADJ. NOV.-00) | 70265300 FRONT ROLLER ADJ.-NOV.2000 |
| | 70005600 | ROLLER SCREW 3/8-16X3/4 |
| | 70005500 | ROLLER BOLT 3/8X16X3 HX HD. BOLT |
| <u>REAR ROLLER</u> | | |
| | 70186000 | REAR ROLLER SS90 |
| | 70005600 | ROLLER SCREW 3/8-16X3/4 |
| | 70005500 | ROLLER BOLT 3/8X16X3 HX HD. BOLT |
| | 70073900 | OLD STYLE |
| <u>STRADDLE COVERS</u> | | |
| | 70162107 | STRADDLE COVER-ALUM.-46 13/16" |
| | 70030901 | 3/8 X1/16 X 36YD. DBLE STK TAPE 16' |
| <u>RAMRAILS</u> | | |
| | 70204200 | RAMRAIL HANDLE BAR |
| | 70104000 | RAIL SCREWS #10-32X3/8 |
| <u>PEDESTAL</u> | | |
| | 70233500 | PEDESTAL-99-00 700,700P,700HRC |
| | 70207800 | BOLT - PED 3/8" - 16 X 3/4" |
| <u>AUTO WAXER</u> | | |
| | 70167000 | AUTOWAXER - ASSY |
| | 70239800 | WAX CHANNEL (ONLY) |
| | 70342000 | GRND. WIRE FOR WAXER |
| <u>LUBRICATION</u> | | |
| | 70348900 | LUBE STICK |
| | 70349000 | SILICONE PACKET (1 APPLICATION) |

700A, P, HRC PARTS LIST

| <u>WEIGHT</u> | <u>PART #</u> | <u>DESCRIPTION</u> |
|---------------|---------------|------------------------------------|
| | 70298413 | 700A NON Board Only |
| | 70237517 | 700A P Board Only |
| | 70237516 | 700A HRC Board Only |
| | 70311700 | 700A DOT PANEL ASSY. |
| | 70312100 | 700A P DOT PANEL ASSY. |
| | 70312000 | 700A HRC DOT PANEL ASSY. |
| | 70240505 | EXTRUSION PANEL CLIP28 3/4" LG |
| | 70020300 | SCREW 6-32x3/8 PPHMS BLK OX |
| | 70182800 | SAFETY SWITCH |
| | 70242313 | 700A DOT /OVERLAY |
| | 70279201 | 700A P DOT/OVERLAY |
| | 70279101 | 700A HRC DOT/OVERLAY |
| 3lbs. | 70219200 | MOTOR CONTROLLER 5592/DCI (Green) |
| | 70219201 | MOTOR CONTROLLER (02) |
| | 70013500 | SCREW, 10-32x3/8 PPH TFS Bo |
| | 70282700 | CHOKE ASSY. |
| 1lbs. | 70243200 | SPEED SENSOR |
| | 70243300 | SCREW 4-40x1/4 PPH SELF TAPPING |
| | 70337900 | NON HRC DATA CABLE |
| | 70337800 | AP, HRC |
| 44lbs. | 70325500 | 3HP. DRIVE MOTOR |
| | 70125700 | SCREW 10-32x1/4 PPH TFS Bo |
| | 70176000 | 3/8 DBL. COATED FOAM TAPE TESA -49 |
| | 70013500 | SCREW 10-32x1/4 PPH TFS Bo |
| | 70125500 | 5/16-18 NYLOC NUT |
| | 70115200 | WASHER 3/8 1Dx7/8odx.083F |
| | 70125600 | 5/16-18x2 CARRIAGE BOLT |

| | | |
|--------|----------|-------------------------------------|
| | 70006300 | DRIVE BELT |
| 10lbs. | 70113200 | ELEVATION MOTOR |
| | 70183200 | INCLINE START CAPACITOR |
| | 70013500 | SCREW FOR CAP. /10-32x3/8 |
| | 70115500 | CLEVIS PIN 3/8x1 1/2 |
| | 70116700 | COTTER PIN 1/16 Diaz x 1 5/16 |
| | 70013500 | SCREW 10-32 x 3/8 PPH TFSBO |
| | 70118900 | TORQUE ARM SWIVEL PIN |
| | 70121000 | LLS |
| | 70125700 | SCREW - 10-32x 1/4 PPH TFS BO |
| | 70120500 | LLS WIRE ASSY. To PWM |
| 26lbs. | 70281003 | ELEV. RISER ASSY. |
| | 70122800 | SOCKET HD. CAP SCREW 1/4-20x1 |
| | 70303700 | POWER CORD 12* 14/3 SJTW Black STRT |
| | 70125700 | SCREW 10-32x1/4 PPH TFS Bo |
| | 70013500 | SCREW 10-32x3/8 PPH TFS Bo |
| | 70251100 | ROCKER ON/OFF SWITCH |
| | 70017200 | 15 AMP CIRCUIT BREAKER |
| 9lbs. | 70317400 | BELT 22x119 3/4 ST E5 2Ply-Lo |
| 60lbs. | 70276700 | FLEX DECK |
| | 70020200 | SCREW 10/32 x 1 1/4 PPH "F" z1 |
| | 70158600 | BELT GUIDE |
| | 70019300 | SCREW 10x3/4 |
| 9lbs. | 70275200 | ADJ. FRONT ROLLER |
| | 70352400 | NEW NUMBER ADJ. FRONT ROLLER |
| | 70157000 | INTERNAL TOOTH STAR WASHER 1/4 id |
| | 70185300 | NYLOC NUT 1/4-10 2 no |
| | 70256800 | FLAT WASHER .50x.26x.09 2n Plod. |
| 13lbs. | 70275500 | REAR ROLLER ASSY. |
| | 70159000 | INTERNAL TOOTH WASHER 5/16 |

| | | |
|-------|----------|-------------------------------------|
| | 70158900 | BOLT HEX HEAD TAP, Gird 5-5/16 |
| | 70162109 | STRADDLE COVER/ALUM. 54 1/2" 55 |
| | 70031200 | TAPE 1/2"x18yd. Adhesive |
| | 70030900 | TAPE, 3/8x1/16x108ft. DBL stick-49 |
| | 70243400 | BLUE TAPE -STR. CVR. 1/2x150ft roll |
| | 70086700 | 6x1 DRYWALL SCREW |
| | 70274105 | CHR RAM RAIL |
| | 70280600 | NON CHR RAIL (ram) |
| | 70210600 | #10x3/4 PPH TEK Screw-boo |
| | 70277601 | PEDESTAL- WELDMNT/ROUNDED |
| | 70156900 | RUBBER WEAR STRIPS |
| | 70276003 | FRAME WLDMNT. |
| | 70155200 | BUMPER FEET |
| | 70020200 | SCREW 10/32x1 1/4 |
| | 70019300 | SCREW 10x3/4 PPHSMBO |
| | 70086700 | 6X1 DRYWALL SCREW |
| 1lbs. | 70280800 | AUTO WAXER |
| | 70019300 | SCREW 10x3/4 PPHSMS Bo |
| | 70348900 | LUBE STICK |
| | 70349000 | SILICONE PACKET (1 APPLICATION) |

725P, HRC PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|-------------------------------|--|
| <u>CONTROL PANEL</u> | |
| <u>(98 STYLE)</u> | |
| <u>Board Only</u> | |
| 70132412 | 725 NON CONTROL Board Only-SS90 (98) |
| 70132411 | 725P CONTROL Board Only-SS90 (98) |
| 70132410 | 725HRC CONTROL Board Only-SS90 (98) |
| <u>(99-00 STYLE)</u> | |
| <u>Board Only</u> | |
| 70237512 | 725 NON DOT CONTROL Board Only (99-00) |
| 70237511 | 725P DOT CONTROL Board Only (99-00) |
| 70237510 | 725HRC DOT CONTROL Board Only (99-00) |
| 70182800 | SAFETY KEY ASSY. |
| 70185400 | HEART RATE RECEIVER |
| 70138500 | HEART RATE POLAR CHEST STRAP |
| 70239800 | HEART RATE TRANSMITTER |
| 70245100 | PLASTIC COVER -HR CONTROL |
| <u>OVERLAYS</u> | |
| <u>(98 STYLE)</u> | |
| 70160815 | 725 NON OVERLAY-SS90 (98) |
| 70160816 | 725P OVERLAY-SS90 (98) |
| 70160814 | 725HRC OVERLAY-SS90 (98) |
| <u>(99- 00 STYLE)</u> | |
| 70242310 | 725 NON DOT/OVERLAY (99-00) |
| 70242311 | 725P DOT/OVERLAY (99-00) |
| 70242312 | 725 HRC DOT/OVERLAY (99-00) |
| <u>PWM</u> | |
| 70219200 | MOTOR CONTROLLER 5592/DCI(Green) |
| 70219201 | MOTOR CONTROLLER WITH CHOKE (02) |
| 70013500 | SCREW, 10-32x3/8 PPH TFS Bo |
| 70282700 | CHOKE ASSY. |
| <u>SPEED SENSOR</u> | |
| 70243201 | SPEED SENSOR |
| 70243300 | SCREW 4-40x1/4 PPH SELF TAPPING |
| <u>DATA CABLE</u> | |
| 70337900 | 725, P DATA CABLE |
| 70337800 | 725 HRC DATA CABLE |
| <u>DRV MTR</u> | |
| 70325800 | MED. MOTOR |

| | |
|----------|---------------------------|
| 70325600 | DRIVE MOTOR 3 HP. |
| 70125700 | MOTOR SCREW |
| 70125600 | CARRIAGE BOLT 5/16-18X2" |
| 70125500 | NYLOC NUT-5/16-18 |
| 70115200 | WASHER-3/8 ID. X 7/8 OD. |
| 70219601 | MOTOR ISOLATION KIT (725) |

DRV BELT

| | |
|----------|-------------------|
| 70127600 | DRIVE BELT 260J10 |
|----------|-------------------|

ELEVATION MTR

(HARDWARE)

| | |
|----------|---------------------------|
| 70171500 | INCLINE MOTOR (HUBBLE) |
| 70183600 | CLEVIS PIN 3/8 X 1 3/4 |
| 70118900 | SWIVEL PIN - TORQUE ARM |
| 70183200 | START CAPACITOR |
| 70013500 | CAPACITOR SCREW 10-32X3/8 |

LLS

| | |
|----------|--------------------------|
| 70121000 | LOWER LIMIT SWITCH |
| 70125700 | LOWER LIMIT SWITCH SCREW |
| 70120500 | LOWER LIMIT TO PWM WIRE |

ELEVATION RACK

| | |
|----------|------------------------------------|
| 70281002 | ELEVATION RACK |
| 70122800 | ELEV. SCREW 1/4-20X1 SOCKET HEAD |
| 70116900 | LOCK NUT 1/4-20 ZINC/COURSE-THREAD |
| 70176700 | MOLDED WHEEL 3/8 BEF. AUG., 99 |
| 70003100 | MOLDED WHEEL BOLT BEF. AUG., 99 |
| 70176701 | MOLDED WHEEL 1/2 AFTER AUG., 99 |
| 70174300 | MOLDED WHEEL BOLT AFTER AUG., 99 |

POWER CORD

| | |
|----------|-------------------|
| 70282900 | 12 FT. POWER CORD |
|----------|-------------------|

ON / OFF SWITCH

| | |
|----------|---------------|
| 70251100 | ON/OFF SWITCH |
|----------|---------------|

CIRCUIT BREAKER

| | |
|----------|----------------------------------|
| 70017200 | CIRCUIT BREAKER 15 AMP |
| 70213100 | CIRCUIT BREAKER 10 AMP DUAL POLE |

TREADBELT

| | |
|----------|------------------------------|
| 70214400 | SEIGLING TREADBELT E5X20X129 |
|----------|------------------------------|

DECK

| | |
|----------|----------------------------|
| 70159100 | FLEX DECK |
| 70020200 | DECK AND BUMPER FEET SCREW |
| 70155200 | DECK BUMPER FEET |

FRONT ROLLER

(BEFORE NOV.00)

| | |
|----------|-----------------------------|
| 70164700 | FRONT ROLLER BEFORE NOV.,00 |
|----------|-----------------------------|

| | | |
|-------------------------------|----------|------------------------------------|
| <u>(AFTER NOV.00)</u> | 70265300 | FRONT ROLLER AFTER NOV.,00-ADJ. |
| | 70207800 | ROLLER SCREW 3/8-16X3/4 |
| | 70283700 | ROLLER BOLT 3/8-16X3 LG. |
| | 70115200 | ROLLER WASHER 3/8 IDX7/8 OD |
| | 70253700 | 3/8 NYLOC NUT |
| <u>REAR ROLLER</u> | 70186000 | REAR ROLLER |
| | 70188600 | REAR ROLLER BOLT |
| <u>STRADDLE COVERS</u> | 70162106 | STRADDLE COVER |
| | 70086700 | STRADDLE COVER SCREW |
| | 70030900 | STRADDLE COVER TAPE-108FT.DBL.STK. |
| | 70243400 | STRADDLE COVER BLUE TAPE150 FT. |
| <u>RAMRAILS</u> | 70274101 | RAM RAILS CONTACT HEART RATE |
| | 70210600 | RAIL SCREW #10X3/4 |
| <u>PEDESTAL</u> | 70233501 | PEDESTAL-WELDED |
| | 70156900 | RUBBER WEAR STRIP |
| | 70207800 | BOLT - PED. 3/8"-16 X 3/4" |
| | 70269800 | BOTTLE HOLDER MOLDED PLASTIC |
| | 70019300 | BOTTLE HOLDER SCREW 10X3/4 |
| <u>AUTO WAXER</u> | 70167000 | AUTO WAXER |
| | 70019300 | SCREW 10x3/4 PPHSMS BO |
| | 70342000 | GROUNDING STRAP ASSY. |
| | 70239800 | WAX CHANNEL (ONLY) |
| <u>LUBRICATION</u> | 70348900 | LUBE STICK |
| | 70349000 | SILICONE PACKET (1 APPLICATION) |

750P, HRC, CI PARTS LIST

| <u>PART #</u> | <u>DESCRIPTION</u> |
|-----------------------------------|---|
| <u>(99-PRESENT)</u> | 70237524 750 BOARD ONLY 99-PRESENT |
| <u>BOARD ONLY</u> | 70237525 750P BOARD ONLY 99-PRESENT |
| | 70237613 750CI BOARD ONLY 99-PRESENT |
| <u>GRAY MACHINES ONLY!</u> | 70219310 750 P Board Only |
| <u>BOARD ONLY</u> | 70176910 750CI Board Only |
| | 70185400 HRC RECEIVER |
| | 70245100 PLASTIC HR COVER |
| | 70182800 SAFETY KEY/SWITCH |
| <u>OVERLAY</u> | |
| <u>(98 STYLE)</u> | 70216212 750NON OVERLAY 1998 |
| | 70216211 750P OVERLAY 1998 |
| | 70177011 750CI OVERLAY 1998 |
| <u>(99-PRESENT)</u> | 70242510 750NON DOT OVERLAY 99-PRESENT |
| | 70242511 750P DOT OVERLAY 99-PRESENT |
| | 70242610 750CI DOT OVERLAY 99-PRESENT |
| <u>PWM</u> | |
| | 70183500 MOTOR CONTROLLER- BEFORE 08/00 |
| | 70183502 PWM WITH CHOKE- AFTER-08/00 |
| | 70264800 MOTOR CONTROLLER- 220V |
| | 70013500 10-32X3/8 SCREW (PWM) |
| <u>SPEED SENSOR</u> | |
| | 70243201 CIRCUIT BOARD SPEED SENSOR |
| | 70243300 4-40 X 1/4 SELF TAPPING SCREW |
| <u>DATA CABLE</u> | |
| <u>Verify config.</u> | 70286700 750, P DATA CABLE BEFORE 08/00 |
| | 70337700 750 CI DATA CABLE |
| <u>Verify config.</u> | 70219500 750 non, p data cable '99 |
| <u>Verify config.</u> | 70271700 750B & PB DATA CABLE '00 |
| <u>DRV MTR</u> | |
| | 70172000 3HP DRIVE MOTOR Core charge added |
| | 70263400 3HP DRIVE MOTOR EX 220V Core charge added |
| | 70169600 DRIVE MOTOR TENSION PLATE |
| | 70159000 5/16 STAR WASHER |

| | | |
|-------------------------------|----------|------------------------------------|
| | 70125700 | 10-32X1/4 SCREW |
| | 70219701 | MOTOR ISOLATION KIT (750) |
| <u>DRV BELT</u> | | |
| | 70127600 | 260J10 POLY-V-BELT |
| <u>TREDBELT</u> | | |
| | 70214500 | TREDBELT/SIEGLING E5X23X129 |
| <u>DECK</u> | | |
| | 70169400 | DECK 32 1/2 X 56 |
| | 70020200 | DECK SCREW 10 X 1 1/4 |
| | 70183400 | DECK BUMPER |
| <u>ELEVATION MTR</u> | | |
| <u>(HARDWARE)</u> | | |
| | 70171500 | HUBBLE ELEVATION MOTOR |
| | 70183200 | CAPACITOR-LIFT MOTOR |
| | 70183600 | 3/8 X 1 3/4 CLEVIS PIN |
| | 70118900 | TORQUE ARM SWIVEL PIN |
| | 70013500 | 10-32 X 3/8 SCREW |
| | 70116700 | 1/16DIA. X 15/16 COTTER PIN |
| <u>LLS</u> | | |
| | 70121000 | LLS |
| | 70125700 | 10- 32 X 1/4 Screw for LLS Bracket |
| | 70120500 | LLS TO PWM WIRE |
| <u>ELEVATION RACK</u> | | |
| | 70281004 | ELEVATION RISER ASSY. |
| | 70154600 | ELEVATION BLOCK ASSY. |
| | 70122800 | 1/4-20 SOCKET HEAD CAP SCREW |
| | 70173900 | MACHINED WHEEL 2 1/4" OD. |
| | 70174300 | WHEEL BOLT 1/2" X 1 SHOULDER BOLT |
| <u>POWER CORD</u> | | |
| | 70282900 | 12 FT. POWER CORD |
| | 70008200 | STRAIN RELIEF BUSHING |
| <u>ON / OFF SWITCH</u> | | |
| | 70251100 | ON/OFF ROCKER SWITCH |
| <u>CIRCUIT BREAKER</u> | | |
| | 70017200 | 15 AMP CIRCUIT BREAKER |
| <u>FRONT ROLLER</u> | | |
| | 70168000 | NON ADJ. FRONT ROLLER |
| | 70265400 | ADJ. FRONT ROLLER |
| | 70207800 | SCREW 3/8-16 X 3/4 |
| <u>REAR ROLLER</u> | | |
| | 70168300 | REAR ROLLER |
| | 70170800 | 1/2- 13 X 4" TAP BOLT |

70170900 1/2INTERNAL TOOTH STAR WASHER

STRADDLE COVERS

70171800 RT. AND LT. STRADDLE COVER
70243400 BLUE TAPE, STR CVR 1/2 X 150 FT ROLL
70086700 6 X 1 DRYWALL SCREW
70030900 DOUBLE STICK TAPE 3/8 X 1/16 X 108 Ft

RAMRAILS

70165100 RAM HANDLE BAR
70210600 #10 X 3/4 SCREW

PEDESTAL

70233601 ROUNDED PEDESTAL WELDMENT
70156900 RUBBER WEAR STRIP
70269800 BOTTLE HOLDER
70019300 BOTTLE HOLDER SCREW 10X3/4

FRAME

70227501 FRAME WELDMENT/ROUNDED GRAY
70155200 BUMPER FEET
70020200 BUMPER FEET SCREWS
70164500 BUMPON DECK BUMPER

AUTO WAXER

70167000 AUTOWAXER
70019300 AUTOWAXER SCREW, 10 X 3/4
70342000 GROUNDING STRAP ASSY.
WAX CHANNEL

LUBRICATION

70348900 LUBE STICK
70349000 SILICONE PACKET (1 APPLICATION)

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>