

T6218 Maintenance Manual Supplement

Supplement to the T6215 Maintenance Manual

1149-084775

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Introduction

This manual is a supplement to the T6215 Maintenance Manual, Tally part number 083644. The purpose of this manual is to support the T6218 model, a new entry in the T6215 family of printers. Any differences between the T6215 and the T6218 are documented herein.

There are chapters in this manual that address the differences in the respective chapter of the T6215 Maintenance Manual. These chapters are:

Supplement to Chapter 1: Technical Overview Supplement to Chapter 2: Menu Operations Supplement to Chapter 3: Faults and Troubleshooting Supplement to Chapter 4: Removing and Replacing Components

At the end of this manual are a number of engineering drawings. When printing this manual, the best results are obtained by printing the text sections on Letter (8 $\frac{1}{2}$ " x 11") size paper and the drawings on Tabloid (11" x 17") size paper. The drawings are also best viewed when printed on printers with 600 DPI resolution or better.



Supplement to Chapter 1: Technical Overview

New Features

On-the-Fly Coil Temperature Measurement for the T6218

The T6218 design includes an improved mechanism to directly monitor each impact hammer's thermal state to ensure that overheating damage will not occur.

Hardware design limitations of earlier model Tally printers meant a rather unsophisticated thermal sense technique had to be employed. This was done by estimating the thermal state based on average frequency of hammer triggering. The drawback of this averaging technique is that printing throughput becomes prematurely reduced during many high-density printing scenarios. Thus, optimum throughput would fail to be achieved.

The T6218 hardware design, coupled with a scanning software algorithm, now allows for direct thermal sensing of each impact hammer. Thus, a precise thermal profile can be continuously maintained in real-time while printing. This allows the T6218 hammers to be safely operated at maximum rate right to their maximum safe operating limit. Thus, the T6218 printer will safely maintain optimum printing speed without risk of damage.

Automatic Paper Motion Fault Retry

A new feature has been added that can eliminate intermittent false paper motion faults. When a paper motion fault is detected while printing is in progress, the paper is reversed approximately 3 inches, then moved forward again. If the paper motion fault persists, the printer is placed offline and the fault is reported.

This feature can eliminate false paper motion faults caused by random electrical noise or paper chads/dust that can be removed by the paper reversal.

Performance

Print Speeds

The table	below	v lists	maximun	n attainable	print	speeds	in LPM	(lines	per	minute)	for	selected
CPI's at 6	5 LPI.	All nu	mber pair	s indicate u	pperca	se / low	vercase.					

CPI	Draft	DP	Draft	DP	Courier /	OCR-A	OCR-B
	CDF	CDF	Enhanced	Enhanced	Gothic		
5	1800/1500	1350/1080	1800/1500	1350/1080	720/600	-	-
10	1800/1500	1350/1080	1800/1500	1350/1080	720/600	1080/830	479/378
12	1800/1500	1350/1080	983/833	720/576	720/600	-	-
13.3	1800/1500	1350/1080	983/833	720/576	720/600	-	-
15	1800/1500	1350/1080	983/833	674/540	540/450	-	-
16.7	-	-	900/700	674/540	540/450	-	-
17.1	1800/1500	1350/1080	900/700	674/540	540/450	-	-
20	-	_	900/700	674/540	540/450	-	-

Plot Speeds

The table below lists maximum attainable plot speeds in inches per minute for continuous unmixed full-spaced plot data. Half-spaced plot data may plot faster. Note that plot densities, which are approximated, plot at the speed of the next higher exact density.

Density	Speed (IPM)
60 x 48	225
60 x 72	150
120 x 72	75
240 x 288	9.3

Most plot data will plot at the speeds shown in the table above. Certain factors can slow down the effective plot speed:

- Plots using a high percentage of the available dot positions across successive dot rows. This puts a large current load on the power supply, which can lead to decreased power supply output voltage and result in poorly printed or missing dots. The plot rate is slowed momentarily to maintain proper output voltage.
- Thermal protect algorithm can slow plot rates.
- Complicated graphics patterns. These require extra processing which may slow the plot rate.

Paper Advance

The default paper slew speed is 25 IPS (inches per second). If the Fast Slew control panel option is set to Enabled (default is Disabled), then the slew speed for Light and Medium weight forms is 35 IPS, and the slew speed for Heavy weight forms is 31-1/4 IPS. The paper weight is automatically detected to be Light, Medium, or Heavy based on the platen gap, or can be manually set with the Paper Weight control panel option (default is Auto).

Top of Form will be retained within .002" over 1000 printed pages, as long as the printer is not powered-off while printing. Top of form will be maintained if power is turned off while not printing. Paper motion at power-up is less than .010".

Specifications

The printers are available in a Floor standing cabinet configuration with an optional Quick Forms Access cover assembly.

Weight

Unit Weight (lbs)	Shipping Weight (lbs)
215	242

Dimensions

Height	40 in.
Width	28.2 in.
Depth	28.3 in.
Height w/lid open	62.2 in

Environment

Operating

Temperature	10°C to 40°C (50°F to 104°F)
Humidity	10 to 90% non-condensing with a maximum wet bulb temperature of 28°C (82°F) and minimum dew point of 2°C (36°F)
Altitude	To 8,000 ft.
Thermal Shock	16°C (29°F) per minute

Non-operating (as packaged by Tally)

Temperature	-40°C to 66°C (-40°F to 151°F)
Humidity	5 to 95% non-condensing
Altitude	To 10,000 ft.
Thermal Shock	16°C (29°F) per minute
Mechanical Shock and Vibration	The unit complies with ISTA Programs 1 and 2 as packaged by Tally for shipment

The printer must be allowed to reach room temperature before operating. Three hours out of the shipping container is usually enough time for stabilization.

Acoustics

Configuration	Sound Power per ISO 7779-C	Sound Pressure Level (9 position average)
Floor Cabinet	7.0 bels	55 dB(A)
Floor Cabinet w/quick access	7.5 bels	60 dB(A)

Site, Power, and Space Requirements

To achieve optimum reliability and operation, proper site planning is necessary. Appropriate space, temperature, humidity control, system interconnects and main power source integrity are points for consideration. Although the printers are designed with wide margins, optimum trouble-free operation will be achieved when the environment is within the nominal specification range.

<u>Main Power</u>

The printers adjust automatically to the various worldwide power requirements, $110 \pm 20V$ or $220 \pm 40V$ at either $60 \pm 3Hz$ or $50 \pm 3Hz$. All voltages in the following table are single phase; all listed currents are at nominal voltage and frequency.

External Power		Current/Wattage Requirements @ Normal Voltage			
AC Volts (RMS)	Frequency (Hz)	Average Operating 40% ASCII, Draft	Peak Operating (Black Page)	Average Idle (<30 min.)	Average Idle (>30 min.)
110	50	3.23 A / 350 W	6.42 A / 694 W	0.59 A / 59 W	0.41 A / 37 W
110	60	3.29 A / 359 W	6.37 A / 684 W	0.51 A / 59 W	0.43 A / 37 W
220	50	1.74 A / 365 W	3.21 A / 680 W	0.46 A / 61 W	0.37 A / 39 W

Space Requirements

Adequate space must be provided to permit the operator access to the operator panel, and to the forms input/output at the front and rear of the printer.

Service Life

The T6218 printer has an indefinite service life when the printer is installed, operated and maintained in accord with the printer specifications and procedures. Useful service life is defined as the operable life of the printer before a major overhaul (costing more than 50% of the replacement cost or original cost, whichever is greater) is required to return the printer to full and reliable operation.

Heat Load Contribution

The T6218 printer generates more or less heat depending upon its print load, as described below. For site planning, a conservative average, based on 40% DP character coverage, is 1200 BTU/Hr. (350W).

Printing Conditions (110V/60Hz)	Wattage	BTU/Hr
Power on, not printing	60	205
100% Uppercase rolling ASCII	465	1450
Black Page Plot	685	2340

Reliability

The T6218 is designed for long-term operation with minimum maintenance in a typical office environment.

Mean Time Between Failures (MTBF)

The average random failure rate of the printer is greater than 5000 hours when printing at the following duty cycle: rotating ASCII character pattern in draft mode at 10 CPI with a 40% character density and a 50% print to power on ratio. The MTBF is measured by <u>Ongoing Reliability Testing (ORT) data</u>.

Safety Features

Tally stresses personal safety in both operating and maintenance related aspects. Hazard areas have restricted access with applicable warning labels. Catastrophic failures are inhibited with protective functions in major areas of overload potential. Some specifics:

- Moving parts and areas of electrical shock hazard are covered to guard against inadvertent or accidental operator contact.
- The flexible fault handling system disables printing functions when normal operation cannot continue, or when continued operation could harm the printer.
- The power supply input is fused to protect against short-circuit and overload.

Maintainability

MTTR

Mean Time To Repair (MTTR) is predicted to be less than 30 minutes when repaired by a properly trained technician utilizing replacement assemblies as recommended by Tally.

Preventive Maintenance

The printers have been designed to eliminate the requirement of scheduled maintenance such as alignment adjustments and lubrication. It is recommended that occasionally the accumulated paper dust be vacuumed out of operator accessible areas of the printer.

Agency Approvals

The T6200 series is designed to meet the requirements of the following industry and government agency standards.

Electro-Magnetic Emissions

FCC part 15, subpart J,
Class A and EN55022
Class B.
EN 61000-3-2
EN 61000-3-3

Electro-Magnetic Immunity

ESD:	EN 61000-4-2
RF EMF:	EN 61000-4-3
EFT/B:	EN 61000-4-4
Surge:	EN 61000-4-5
RF CM:	EN 61000-4-6
PF MF:	EN 61000-4-8
V Dips/Int:	EN 61000-4-11

Energy Conservation

Energy Star compliant.

Safety

IEC 60950: 1991 plus Amendment 1, 2, 3, and 4, and National Deviations AT, AU, BE, CA, CH, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, JP, KR, NL, NO, SE, SG, SL, US and Group Differences per CB Bulletin 94AI(Mar 99). ANSI UL 1990-95, CAN/CSA-C22.2 No. 950-95, and EN 60950:1992, including Amd 1, 2, 3, and 4 safety requirements.

Acoustic

These printers have been tested according to the procedure defined by ISO #7779:1988(E) and ISO 9296:1988(E). The acoustic noise level is established by measuring maximum sound pressure levels at maximum print speed. The method of testing used is average sound pressure level.

Marking

The printers comply with the CE mark requirements, per the European norms.



Supplement to Chapter 2: Menu Operations

New Shuttle Stroke Calibration

Hammer bank mechanisms can experience certain manufacturing variations that result in horizontal dot placement across hammer boundaries being different from dot placement within the bounds of a single hammer. If one prints a uniform gray page, the problem is exhibited as vertical light (or dark) streaks that occur at the physical boundaries between hammers. A calibration procedure has been introduced that allows one to compensate for this problem.

The calibration parameter is time related, pertaining to the portion of shuttle stroke interval in which hammer firing is permitted. This procedure is named "Shuttle Stroke Calibration". Note that this calibration can only cure the "streaking" appearance if the streaks are uniform across the entire width of the paper. Shuttle stroke calibration would typically be done after a hammer lead time calibration has been performed.

Shuttle stroke calibration Procedure Details:

- 1. Ensure proper paper alignment and tensioning.
- 2. If hammer lead time calibration has not been performed, do it first.
- 3. Set Tech Access = ON.
- 4. Go to menu item: TEST \rightarrow Diag \rightarrow Calibrations \rightarrow Shuttle Stroke.
- 5. Press Enter key to activate shuttle stroke calibration procedure.
- 6. Several one-inch high bands of gray will be printed across the page, each with a heading indicating the corresponding shuttle stroke parameter value.
- 7. After completing printout of gray bands for each possible cal value, the panel display will show the current shuttle stroke calibration value (e.g. Stroke = 100).
- 8. Examine the printed gray bands and find the one with the least amount of vertical streaking.
- 9. Press the up or down arrow keys repeatedly until the new desired cal value appears.
- 10. Press the Enter key to apply the new shuttle stroke calibration value.
- 11. The display will briefly show the message "End Stroke Cal" and then return to the Calibrations menu display.

Enhanced Print Quality Control Panel Option

The **Quality** panel menu setup option only applies to heavy forms printing on the T6218 printer model. It can be accessed as follows:

OPERATOR \rightarrow Forms \rightarrow Quality \rightarrow Standard / Enhanced

Standard – Heavy forms printing is optimized for throughput.

Enhanced – Heavy forms printing is optimized for print quality.

NOTES:

If the **Paper Weight** setting is **Light**, printing throughput will always proceed at optimum speed.

If the **Paper Weight** setting is either **Medium** or **Heavy** AND the **Quality** setting is **Enhanced**, the printing throughput rate will be reduced to ensure optimum print quality. The throughput reduction for the Heavy Paper Weight setting is greater than that for the Medium Paper Weight setting.

If the **Paper Weight** setting is **Auto**, the above notes still apply. The **Light**, **Medium**, or **Heavy** settings are determined by the position of the platen.

Twinax Graphics AVM Control Panel Option

The **Graphics AVM** panel menu setup option only applies to the manner in which the Twinax AVM command is handled within a Code V, PGL, or Hex Pass-Through graphics job. It can be accessed as follows:

CONFIG \rightarrow Tx/Cx \rightarrow Graphics AVM \rightarrow Style 1 / Style 2

- Style 1 The print position moves forward, relative to the last text item or papermove command that preceded the AVM command. The new line position is calculated by subtracting the height (in lines) of any graphic items preceding the AVM, from the line number specified in the AVM command. This style is intended for compatibility with printers that use an external or non-integrated Twinax interface. This is the default setting.
- Style 2 The print position moves forward to the exact line number specified by the AVM command. The presence or absence of graphic items preceding the AVM does not affect the position of text and/or graphics following the AVM.

NOTES:

A Tx/Cx Absolute Vertical Move (AVM) command moves the current print position vertically (forward only) to a line number specified by the command without changing the horizontal print position. When the line number is less than the current line position the line is moved to the appropriate line position on the next page. When the line number is greater than the number of lines in the page (form length) an invalid range parameter errors occurs. Tally provides two responses to the AVM command.

Legacy Overprint Control Panel Options

The **Print on CR** control panel option is intended for use by customers whose applications embolden characters by using a CR-only method to selectively reprint all or parts of a line. This option was present in the previous firmware release, but only with the options of **Off** (same as below), and **On** (equivalent to the new **Double Strike** setting). This option can be accessed as follows:

CONFIG \rightarrow Codes \rightarrow Print on CR \rightarrow Off / Double Strike / Bold

Off Ignore bolding, print as regular text (Default setting)

Double Strike Print line, then backup to reprint (bold by overstriking)

Bold Print line once, bold portions printed with enhanced "bold" style

For example, the application may embolden the word "bold" in the following sentence by sending:

This is bold<CR> bold<CR><LF>

"Double Strike" corresponds to the previous POCR=ON setting. With "Double Strike" selected, bolding is accomplished by re-striking the characters at the same dot positions. This requires a 1-line backup after printing each <CR> pass; some applications use many passes to print a single bolded line, so printing throughput may be reduced accordingly.

With "Bold" selected, bolding is accomplished by rendering the bolded characters twice, one with a small offset to create a "shadow" effect. The resulting print is thicker and thus appears darker. This is the same technique used with the "bold" character attribute selected via emulation escape sequences.

Supplement to Chapter 3: Faults and Troubleshooting

In the T6215 Maintenance Manual the fault message:

Hammer Voltage

has been replaced, in the T6218, with:

Hammer Voltage 1

There is a new fault message for the T6218. It is:

Hammer Voltage 2

Explanation:

A high resistance coil fault has likely occurred in one or more of the hammer coils.

Note: This fault message will have been preceded by printing slow-down attempts associated with On-The-Fly thermal monitoring of hammer bank temperature.

Corrective Action:

Check the hammer bank for defective hammer coils.

Confirm that hammer drive board is functioning properly.





Figure 1. T6218 Cable Assembly Diagram

Supplement to Chapter 4: Removing and Replacing Components

This chapter is presented as a SUPPLEMENT to Chapter 4 in the T6215 Maintenance Manual. The only procedures presented in this supplement will be those that differ from the T6215.

Procedure 5: Hammer Bank Removal

- **Careful:** The Hammer Driver CBA has components that are static sensitive! Use appropriate ESD grounding procedures when handling the Hammer Bank Assembly.
- Note: Steps 1 through 6 are the same as in the T6215 Manual. Subsequent steps are modified due to the addition of a fourth linear bearing for the T6218 Hammer Bank.
 - Step 7: Remove four KEPS nuts underneath the Hammer Bank one set of two from the left side and the other from the right.



Figure 2. Hex KEPS Nuts Locations

- Step 8: Slide the upper left tractor as far to the left as it will go. Lift the hammer bank and shuttle assembly out of the printer, being careful not to damage the ribbon shield.
 - Note: As the hammer bank is removed, notice the "wedge" under the lower left linear bearing. Do not lose this piece.



Figure 3. Wedge Location

- Note: When reinstalling the Hammer Bank, install and tighten the retainer clips removed in Step 4 before installing and tightening the RIGHT KEPS nuts. Leave the lower left KEPS nuts off temporarily.
- Step 9: After the retainer clips and lower right hex KEPS nuts are installed and tightened, the tension on the lower left linear bearing must be set. This is done by GENTLY sliding the "wedge" under the lower left linear bearing until it's just finger-pressure snug.



Figure 4. Adjusting Wedge Pressure

Caution: This is a critical assembly step! The function of the "wedge" is to maintain the vertical position of the lower left linear bearing housing, while not causing ANY upwards or downwards force when the KEPS nuts are tightened. Pushing the "wedge" in too far or not far enough will over-stress the linear bearings and cause severely reduced linear bearing life. Note: As you gently push on the "wedge", reach underneath, grasping the screws for the KEPS nuts of the left linear bearing, gently moving the linear bearing left and right while sliding the "wedge" under the bearing. As soon as the linear bearing no longer moves easily, STOP. Install the hex KEPS nuts and tighten them while holding the lower left linear bearing in place.

Procedure 13: Distribution PCA Removal

- Step 1: Remove the Ribbon Platform (Procedure 1)
- Step 2: Unplug all the connectors on the Distribution PCA.
- Step 3: Remove the two cable clamps and unplug the hammer bank cables at the hammer bank.



Figure 5. Hammer Bank Cable Clamp Locations

Step 4: Remove four (4) screws that mount the Distribution PCA to the surge capacitors.



Figure 6. Distribution PCA Screws

Reverse the steps to install a new assembly.

Procedure 13A: Surge Capacitor Replacement

Step 1: If the "surge capacitors" are being removed/replaced, remove two (2) screws from each side of the clamp around the capacitors. Ensure proper polarity of the capacitors during installation.



Figure 7. Surge Capacitor and Screw Location

Procedure 20: Power Supply Removal

Note: The procedures in the T6215 are applicable in the T6218. However, notice there are two individual power supply assemblies inside the power supply cover. The power supply assembly is replaced as a complete assembly only (cover and both supplies) due to voltage variation specifications.



Figure 8. Power Supply Assembly

Procedure 21: Platen Sensor PCA Removal

The following instructions are valid for the T6215 and T6218. The Platen Sensor PCA is located under the left side of the printer mechanism, just above the Power Supply. To **remove** the Sensor PCA, follow these steps:



Figure 9. Platen Sensor PCA Location

- Step 1: Remove the Ribbon Platform.
- Step 2: Remove the Control Panel Assembly.
- Step 3: Unplug the Power Supply cable and the Hammer Bank cable from the Power Distribution PCA.
- Step 4: Lift the Print Mechanism, placing the Strut in the top and bottom detents to hold the Print Mechanism in a tilted position.



Figure 10. Platen Sensor PCA

- Step 5: Disconnect the cables from the Platen Sensor PCA.
- Step 6: Remove the two screws (#6 Phillips) that attach the circuit board to the side frame and lift the board clear.

Reverse the order of removal steps for installation.



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QUANTITY REQUIRED PER ASSEMBLY		
	$ \begin{vmatrix} 83 \\ 83 \\ 83 \\ 83 \\ 83 \\ 83 \\ 83 \\ 83$	PART NUMBER DESCRIPTION
	-	083931 PRINT MECHANISM ASSY- T6215, 1
	-	083932 PRINT MECHANISM ASSY- T6215K 2
	-	083935 PRINT MECHANISM ASSY- T6215 WITH HORIZONTAL VERNIER ASSY 3
	-	083936 PRINT MECHANISM ASSY- T6215 WITH QUICK ACCESS ASSY 4
	-	083937 PRINT MECHANISM ASSY- T6215 WITH HORIZONTAL VERNIER & QUICK ACCESS ASSY 5
		6
		7
		8
		>13276-083933 FRAME & END PLATE ASSY 9
	2 2 2 2 2 2 2 2 2 2	13355-083140 PLATE ASSY- PLATEN GAP 10
		513251-082857 PLATEN ASSY 11
	1 1 1 1 1 1 1 1 1	613136-082592 LEVER- PLATEN SPRING 12
	1 1 1 1 1 1 1 1 6	13275-082966 PLATEN STOP & PAWL ASSY 13
	2 2 2 2 2 2 2 2 2 4	04023-732624 SPRING- PLATEN ADJUST 14
	1 1 1 1 1 1 1 1 1 1	013180-082647 CBA- PLATEN/PAPER SENSOR 15
		513276-084367 FRAME & END PLATE ASSY- T6218 16
	4 4 4 4 4 4 4 4 4	17 IO4321-732852 MOUNT- VIBRATION DAMPING
	1 1 1 1 1 1 1 1 6	13296-083007 SLIDE- BEARING, UPPER 18
	1 1 1 1 1 1 1 1 6	13296-083008 SLIDE- BEARING, LOWER 19
		100995-732616 WASHER- CURVED SPRING 20
	3 3 3 3 3 3 3 3 3 3 3	400995-09 WASHER- CURVED SPRING 21
	3 3 3 3 3 3 3 3 3 3	400326-732695 WASHER- NYLON, 0.50 O.D. 0.218 I.D. 22
	3 3 3 3 3 3 3 3 3 3 3	400627-119 SCREW- #6-32 X 0.375, PAN HEAD 23
	Tailing: P.O. Box 97018 KENT, WA 98064-9718 USA Shipping: 8301 So 180TH ST KENT, WA 98032 USA	B CODE IDENT DWG NO. 613333
16-0001E-16	-	REV: V FILE NAME: PL3333V SHEET: 2

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																			2	2	2	2	2	2	2	2	2	402524-23	SCREW- #6-32 X 0.500 SEMS	24
																			2	2	2	2	2	2	2	2	2	400693-51	SCREW- #10-32 X 0.25 82° FLAT HEAD	25
																			A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	R A/R	400658-730213	ADHESIVE- LOCTITE 242	26
																			6	6	6	6	3	3	3	3	3	404314-732824	CABLE TIE- BLIND HOLE	27
																			1	1	1	1	1	1	1	1	1	611214-08348	CABLE ASSY- PLATEN SENSOR	28
																			1	1	1	1						612416-083145	FAN ASSY	29
																			1	1	1	1	1	1	1	1	1	612297-083659	FOAM- ACOUSTIC	30
																			1	1	1	1	1	1	1	1	1	613120-083660	PAPER GUIDE ASSY- UPPER	31
																							1	1	1	1	1	613267-082934	MOTOR ASSY- SHUTTLE	32
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																			1	1	1	1	1	1	1	1	1	613271-08295	CENTERING GUIDE- LOWER LINEAR BEARING	37
																			3	3	3	3	3	3	3	3	3	402524-732692	SCREW- #8-32 X 1.625, SEMS	38
																			4	4	4	4						402524-46	SCREW- #8-32 X 1.5, SEMS	39
																			19	19	19	19	19	19	19	19	19	402524-42	SCREW- #8-32 X 0.375, SEMS	40
																			1	1	1	1	1	1	1	1	1	400693-732649	SCREW- #8-32 X 0.30, 82° FLAT HEAD	41
																			10	8	10	8	10	8	10	8	8	402524-43	SCREW- #8-32 X 0.500 SEMS	42
																			1	1	1	1	1	1	1	1	1	611138-08352	CABLE ASSY- SHUTTLE SENSOR	43
																			1	1	1	1	1	1	1	1	1	402524-02	SCREW- #4-40 X 0.375, SEMS	44
																							1	1	1	1	1	403736-73275	BELT- SHUTTLE, 14.13 LG	45
																			1	1	1	1						403736-73348	BELT- SHUTTLE, 14.68 LG	46
																					T	al	lv			MAILINC KENT, W SHIPPIN KENT, W	G: P.O. BOX /A 98064-97 /G: 8301 So /A 98032 US	97018 18 USA 180TH ST., A	CODE IDENT DWG NO. 613333	
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																						1	1	1	1						612423-084490	CABLE ASSY- EXTENSION	47
																						1	1	1	1	1	1	1	1	1	613096-082537	PAPER GUIDE ASSY- LOWER	48
																						2	2	2	2	2	2	2		2	611307-080538	TIMING BELT (202T)	49
																						1	1	1	1	1	1	1	1	1	613408-083568	PULLEY ASSY- PAPER MOTOR DRIVE (45	т) 50
																						1	1	1	1	1	1	1	1	1	612635-080635	PULLEY- PAPER DRIVE, SHORT	51
																						1	1	1	1	1	1	1	1	1	612635-080647	PULLEY- PAPER DRIVE, LONG	52
																						1	1	1	1	1	1	1	1	1	613318-083087	IDLER ASSY- SUPPORT	53
																						1	1	1	1	1	1	1	1	1	613253-082859	LEVER ASSY- PHASING	54
																						1	1	1	1	1	1	1	1	1	612956-083662	TRACTOR/SENSOR ASSY- PAPER DRIVE 23	55
																						2	2	2	2	2	2	2	2	2	605823-075477	IDLER	56
																						3	3	3	3	3	3	3	3	3	602631-1	SPRING- PAPER	57
																						2	2	2	2	2	2	2	2	2	611151-082798	SHAFT- PAPER DRIVE	58
																							2		2		2		2	2	612647-082797	SHAFT- TRACTOR SUPPORT	59
																						4	4	4	4	4	4	4	4	4	404010-731090	BEARING- 1.125 O.D.	60
																						2	2	2	2	2	2	2	2	2	611148-075480	BUSHING- SQUARE SHAFT	61
																						2	2	2	2	2	2	2	2	2	612802-081470	SPRING- GROUNDING, TRACTOR SHAF	r 62
																						1	1	1	1	1	1	1	1	1	613138-083613	KNOB- FORMS ADJUST	63
																										1	1	1	1	1	613267-082935	MOTOR ASSY- PAPER DRIVE	64
																						1	1	1	1	1	1	1	1	1	402524-45	SCREW- #8-32 X 1.000, SEMS	65
																						5	5	5	5	5	5	5	5	5	402524-63	SCREW- #10-32 X 0.500, SEMS	66
		- -																															
																						A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	400658-731203	ADHESIVE- LOCTITE 324	68
																						A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	400658-731239	ACTIVATOR- ADHESIVE	69
						!						-												7	b.I.	lv		_	MAILING KENT, W SHIPPIN	G: P.O. BOX /A 98064-971 IG: 8301 So 1 /A 98032 US	97018 I8 USA I80TH ST., A	DUE IDENT DWG NO. 613333	
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																				2			2		2		2	2	400	726-06	NUT- #5/16-18 PLAIN HEX 70
																			1	1	1	1	1	1	1	1	1	1	4006	627-221	SCREW- #8-32 X 1.125, PAN HEAD 71
																			1	1	1		1	1	1	1	1	1	400	216-10	WASHER- FLAT, #8 72
																			1	1	1		1	1	1	1	1	1	400	995-06	WASHER- CURVED SPRING 73
																			4	4	4	. 4	 	4	4	4	4	4	400	641-18	RING- RETAINING 74
																			2	2	2	2	2	2	2	2	2	2	40099	95-730186	WASHER- CURVED SPRING 75
																			1	1	1	1							61363	6-084399	STABILIZER BLOCK ASSY76
																															77
																					1	1				1	1	1	61339	91-083477	PAPER GUIDE- UPPER 78
																			1	1	1	1		1	1	1	1	1	61339	2-083478	PAPER GUIDE- INNER 79
																								1	1	1	1	1	61311	0-082526	CBA- POWER DISTRIBUTION 80
																			2	2	2		2	2	2	2	2	2	40428	4-732752	CAPACITOR- ALUMINUM ELECTROLYTIC 81
																			1	1	1	-	1	1	1	1	1	1	61330	6-083043	CLAMP- CAPACITOR 82
																			8	8	6	. 6	5	8	8	6	6	6	40431	9-732864	RETAINING RING- SELF-LOCKING, EXTERNAL 83
																			2	2	4	, Z	1	2	2	4	4	4	40032	26-732846	WASHER- FLAT, NYLON, #10 84
																															85
																															86
																			2	2	2	2	2	2	2	2	2	2	613413	3-083700	GUIDE- PAPER 87
																															88
																											2		61130	7-075127	TIMING BELT (205T) 89
																											1		61312	6-082582	PULLEY ASSY- PAPER MOTOR DRIVE (54T) 90
																			1	1	1	1	1						61364	0-084397	CBA- POWER DISTRIBUTION 91
																			4	4	4	, 2	1						4004	489-04	POP RIVET- Ø1/8 92
																					7	[a	lŀ	V			MAILING KENT, W SHIPPIN KENT, W	G: P.O. BOX 'A 98064-97' G: 8301 So ' 'A 98032 US	97018 18 USA 180TH ST., A	B a	DDE IDENT DWG NO. 2344 613333
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																									-								0843	371	PRIN QUIC	IT MEC	CESS A	M ASSY- ASSY	- T6218 W	ITH	1	13
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5 YM	10	DATE /18/99	RELEAS	ED TO PRO		ON FROM	л Л X0; А	ADD II	EM 6	YL		TH	DD	VED		
A	11	/9/99	REVISE	D PER DCI	R #28785	i				YI		TH	C2			
С	6/	/23/00	REVISED	D PER DCF	R'S B & C	#29409	1			Y	-	TH	DD			
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8 84357 84424 83898 83797	HAI HAI SHL HAN SHL	MMER MMER ITTLE A MMER JTTLE A	BANK BANK SSY- 1 BANK SSY- 1	6218 62215K	HUTTL T6218		<u>/- T6</u>	218								В
5-10 32692 -249 82982 83567	HAI WA SCI SCI SHL	ASHER- REW- # REW- # JTTLE A MMER	#8 SF #8-32 #8-32 \$8-32 \$SSY- 1 BANK	X 1.625 X 1.625 X 5/8, S 6215 X ASSY-	SEMS OCKE	T HEA	D	215K								
74		VIIVIER	DAINK	AND 3	ΠUIIL	L H221	1-10	210				-		+		
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J101 J102 J103

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084397 ASSEMBLY

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		REVIS	SION
SYM	DATE	DESCRIPTION	
-	5/9/01	RELEASE TO PRODUCTION FR SHT 2, ZN 2D & 4C, WAS:	ON Mir
A	7/2/01	REVISED PER DCR #30115	
В	7/26/01	REVISED PER DCR #30136	

NOTES: (UNLESS OTHERWISE SPECIFIED)

- 1. MANUFACTURE, ASSEMBLE & PART MARK PER TALLY WORKMANSHIP STANDARDS.
- 2.
- 3. CONFORM TO TALLY WORKMANSHIP STANDARDS.
- 4. APPROVAL.
- 5. ADDITIONAL RFI TESTING AND/OR RE-SUBMISSION TO THE RESPECTIVE AGENCIES FOR COMPLIANCE APPROVAL.
- **REWORK INSTRUCTIONS:** 6.



CLEAN AREA'S FIG.

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							UNLESS OTHERW DIMENSIONS AND IN INCHES AND	WISE SPEC D TOLERA SHALL B	CIFIED NCES ARE E INTER-	DWN CHKD	T. HUI D. BROWN	3/12/01 3/16/01	Ta
4							TOLERANCES ARE	E:	M=1902.	FINAL	ERIK BYLUND ERIK BYLUND	3/16/01 5/9/01	TITLE
		084501	SPARES	T6218	B		$0.XX \pm 0.01$ 0.XX ± 0.01	+	⊕) {_	_ MFG	M.V. MCGURR	5/23/01	
		084397	613333	16218	В		0.XXXX ±0.000	05 T	THIRD ANGL	E Q.A.	K. VAUGHAN	5/23/01	SIZE
		PART NUMBER	NEXT ASSY	MODEL	REV	SHT	ANGLE ±0'30'		PROJECTION		C. MARTIN	5/23/01	В
			Α	PPLICATION			DO NOT SO	CALE D	RAWING	CHG BD	B. KOLPACK	5/23/01	SCALE
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	С
— (HAMMER DRIVER B⊡ARD)	В
SEE SHEET 1 FOR NOTES MALLING: P.O. BOX 97018 KENT, WA 98064-9718 USA SHIPPING: 8301 So 180TH ST., KENT, WA 98032 USA CODE IDENT DWG NO 12344 613640 B - FILE NAME 3640P3B SHEET 3 OF	A



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						/8	$\frac{5}{8}$	PART	NUMBER	DESCRIPTION	ITEM NO.
						1	-	084	4397	CBA – POWER DISTRIBUTION	1
						_		084	4501	CBA – POWER DISTRIBUTION SPARES, "TESTED"	2
											3
											4
							1	403747	-730098	BEAD- FERRITE	5
							1	401388	-730425	CAPACITOR- 10 TANT	6
							1	402868	-730142	CAPACITOR1UF	7
							1	613639	-084703	PCB-POWER DISTRIBUTION	8
						1		402697	-730207	BAG- ELECTROSTATIC SHIELD	9
							1	400072	-75	RESISTOR- 120 1/4W 5%	10
							1	400073	-27	RESISTOR- 12K 1/4W 5%	11
							5	402910	-133	CAPACITOR- 4700PF 100V	12
											13
							1	404025	-731119	CONNECTOR- POWER 4 PIN	14
							3	404092	-732164	CONNECTOR- HEADER 2 PIN	15
							1	402242	-732669	CONNECTOR- HEADER 26 PIN	16
							1	403760	-732622	CONNECTOR- MODULAR 6 PIN	17
											18
							1	403760	-732621	CONNECTOR- MODULAR 4 PIN	19
											20
							4	402456	-08	CONNECTOR- FLAT CABLE 26 PIN	21
											22
											23
7	[a	lly	1		MAILI KENT SHIP	NG: P. , WA 9 PING: 8	0. BOX 98064- 3301 S	97018 9718 USA o 180TH ST., USA	size code A 123	Dent DWG NO. 613640	
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QL	JANT	ITY F	REQU	IRED	PEF	R ASS	SEME	BLY										
	/ /	/ /	/ /	/ /	/ /	/ /	6	/^ ??/	/									
						/8	\$ /8	P	ART	NUM	1BER			DESCRIF	PTION			ITEM NO.
							1	6136	584·	-084	4611	CAE /PC	BLE ASSY OWER DIS	– HAMM STRIBUTIC	ier [DN	DRIVE	R J101	24
							1	6136	584·	-084	4612	CAE /PC	BLE ASSY OWER DIS	— НАММ STRIBUTIC	IER [DN	DRIVE	R J102	25
							1	6130	584·	-084	4613	CAE /PC	BLE ASSY OWER DIS	– HAMM STRIBUTIC	IER [DN	DRIVE	R J103	26
							1	6136	584·	-084	4614	CAE	BLE ASSY OWER DIS	- HAMM STRIBUTIC	IER [DN	DRIVE	R J104	27
																		28
																		29
							1	6132	230	-082	2782	BRA	ACKET- F	FLEX CLA	AMP,	LOW	ER	30
							1	6132	231	-082	2783	CAF	P- FLEX	CLAMP,	LOW	ER		31
																		32
																		33
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																		45
										0175	0005							46
7	[a	lly	7		MAILI KENT SHIP	NG: P. , WA S PING: 8	U. BOX 98064- 3301_S	97018 9718 U 0180TH	JSA ST.,	A	123	544	DWG NU.	6	136	640		
					KENT	, WA 9	18032	USA		REV	В		FILE NAME	PL3640B	5	SHEET	3 OF	3

16-0001E-14



	2					1			
			REV	ISIONS					
SYM	DATE					BY	APPR	OVED	_
- 7 A	8/2/01	RELEASE TO PI	DCR #30147	I FROM X0;	W/CHANGES	YL YI	EB DB		-
									D
		NOTES:	(UNLESS C	DTHERWISE	SPECIFIED)			
		1. M. W	ANUFACTUR /ORKMANSH	e, Assembli IP standar	e & Part Mai Rds.	rk per tall	Y		
		2. NL	JMBER WITH	IN CIRCLE IN PARTS LIST F		a or find Ation.			
		3. EA	CH OF TH	E TWO PO	WER SUPPI I	es shoul f) HAVE ITS		
		VC 10 CC IS OL	DLTAGE AE 0 Ohm 5% DNNECTEE 48.15±0.15 JTPUT WITH	DJUSTED SE RESISTOR D TOGETHE V <u>AND</u> M. IIN 0.15 VC	EPARATELY, BEFORE THE R. THE REQU ATCHING TH DLTS.	Loaded V E Outputs Jired Vol He Other	MITH A ARE .TAGE SUPPLY		С
									В
		DESCRIPTION				MATER	RAL	FINISH 8	
	4/6	/01	ally	1		KENT, WA	98064-9718 U 8301 So 180TH 98032 USA	эА Н ST.,	
EN	4/6	/01 TITLE				NEINI, WA	,0032 USA		1
D	7/18	3/01	P	CWF	r Suf	PLY	ASS	(
		D/01		<u> </u>					
GURR	7/1	B/01 B/01 SITE	00		DWG NO			REV	
GURR HAN	7/18 7/18 7/18	B/01 B/01 SIZE B/01 D)	DE IDENT 344	DWG NO.	61365	53	REV A	



C	UANT	ITY RE	QUIRI	ED PE	R ASS	EMBL	(
) Š	PAR	T NUN	IBER		DESCI	riptio	N	item NO.
							-	084	1435		POV	VER SUPPLY ASSY	- T621	8	1
															2
															3
															4
															5
															6
															7
															8
							1	404124	4-733	563	SWI 500	CHING REGULAT	TED PO	OWER SUPPLY-	9
							1	40401	1-731(095	SWI 250	ICHING REGULA	TED PO	OWER SUPPLY-	10
															11
							1	61365	4-084	698	BRA	CKET- POWER SU	IPPLY I	MOUNT	12
							1	61365	5-084	700	CO	/ER- POWER SUPI	PLY, B	ОХ	13
							1	61365	5-0844	437	CO	/ER- POWER SUP	PLY, L	D	14
							1	40440	3-733	561	AC	nlet- panel mo	OUNT L	INE FILTER	15
							1	40429	0-732	763	SWI	CH- ROCKER, PA	ANEL N	/IOUNT	16
															17
							1	61366	2-084	445	CAE	LE ASSY- POWER	INLET	TO SWITCH	18
							1	61366	2-084	446	CAE	BLE ASSY- SWITCH	I TO P	OWER SUPPLY	19
							1	613662	2-0844	447	CAE	BLE ASSY- DC			20
							1	61366	2-084	448	CA	BLE ASSY- DC			21
							1	61366	2-084	449	CAI	BLE ASSY- GROUN	ND		22
							2	61366	2-084	450	CAI	BLE ASSY- GROUN	ND		23
7	[a	llv			MAILING: P.O. BOX 97018 KENT, WA 98064-9718 USA SHIPPING: 8301 So 180TH ST.,					code	CODE IDENT DWG NO. 613653				
	Tally				KEN	t, wa 98	3032 US	SA	REV:	A		FILE NAME: PL3653A		SHEET: 2	

0	UANT	ity re	QUIRE	ED PE	r Assi	EMBLY	Y									
								[]								
							<u>s</u>	PA	RT NUM	1BER			DESCRIPT	ION	רן ז	item No.
							12	404	130-732	2244	SCF	REW- M3 X	6 mm SEN	1S		24
																25
							1	4030	637-730	755	SUF	PORT- CA	BLE, NYLO	n, twist	LOCK	26
							1	6136	62-0840	624	СА	BLE ASSY (BLACK)			27
							1	6136	62-084	625	СА	BLE ASSY (RED)			28
							2	4044	404-733	564	SCI	REW- M3 X	8mm, FLAI	i head, f	PHILLIPS 2	29
																30
							2	4(02524-2	1	SCF	REW- #6-32	2 X 1/4" SEI	VIS		31
																32
							1	613	689-084	1676	ASS	Sembly- V	ARISTOR/G	DT		33
																34
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7		17.,			MAIL KENT	ING: P. , WA 98	O. BOX 3064-97	97018 18 USA	SIZE	CODE 1	DENT	DWG NO.	6136	53		
		v e y			Shipi Kent	, WA 98	301 SO 3032 US	1801H SI., SA	REV:	 A		FILE NAME: P	L3653A	SHEET:	3 OF 3	

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	PROPRIETARY NOTICE This document and the information contained therein are the property of TALLY. Recipient agrees not to: (1) use such information for purposes other than those expressly authorized by TALLY: and (2) furnish such information to any other person in whole or in part without the prior express written permission of TALLY: and, to promptly return this document to TALLY upon the receipt of a request therefor. COMPONENT LIST								
	REF DES ITEM NO.								
	084464	084464			7>				
D	P7 21		-		-67) 7X				
			-	/					
	RI3 10	10	_	, /	,				
	P19 20		_		7				
	20	P1 19	-						
		R2 R4 R6 R10 R22 R24 13	-						
		R3 R23 R25 24	-	VIEW A-A					
	D37 47	R5 R8 R9 R11 R12 23		SCALE 2/1					
_		R14 17				/	~8		
	J1 – J7 66	R15 25		i ★ - ★		/		72	
	J101 J102 J103 J104 65	R16 15		A A					
	(INSTALLED FAR SIDE)	R17 26							
		R20 R21 20	/ <u>'' \</u>				'u		<u>_</u> n
	T1 - T7 8 68				, U, 10,100 , 0 , U, 10,100 , 0 , U, 10,100 , 0		0 ¹³⁶ 1		
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		C1 C5 C7 C11 C13 C19 30				╗ [╔] ╝ [┻] ╔ [┉] ╘╵┉╡ <mark>╎┉</mark> ╵╷╴╴			
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		C22 C24 C27 C30						D37 C26 C30 tauron 10 € Print, A R19 Sauron 10 € Saur	Ter I
		C8 C15 C31 34			C17 C35⊡			335 m/c.	8
		C9 C18 C25 C32 37		1670- IIII					
		C17 33		HALER DALIVER				·	F
		C21 C23 C35 31						N	Ν
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		L1 - L4 63	_			└ <u>(</u> 65) REF		\sim	
			_			FAR SIDE		/	
		DI-D7 D9-D19 D21-D32 52				4X	(45)) A/R	
			-				\cup		
		D33 D35 49	-						
			-		0844£	54 ASSEMBLY			
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		Q1-Q7 Q9-Q21 Q23-Q35 57							
		Q41-Q46 Q48-Q54							
		Q8 Q22 Q38 Q47 60	_						
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		C3 C10 C26 C34	FN						
		INSTALL							
								· · · · · · · · · · · · · · · · · · ·	
									+
								QUANTITY REQUIRED	
4								UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE	DWN S. H
								IN INCHES AND SHALL BE INTER- PRETED PER ANSI Y14.5M-1994.	PRE-PEI -
								TOLERANCES ARE:	
				084478	SPARES	T6218 -	1	0.XX ±0.01	MFG MV
				084464	613332	T6218 B	1	1 0.XXX ±0.005 0.XXXX ±0.0005	Q.A. K.
				PART NO	NEXT ASSY	MODEL PART R	EV SHT	ANGLE ±0° 30'	C.S. C. 1
						APPLICATION		SCALE 1/1	CHG BD B.

		2)								1				
					F	REVISIO	ONS								
-	SYM	DATE			D	ESCRIF	TION			BY	-	APPR	OVED		
	-	5/15/01	SHT	3, ZN	2C, C	34 N		(LIM XU) N.I. "		IH	DR	E	R		
-	A	4/3/01	REV	ISED PI	ER DC	R #3	0114				DB	C	В		
L		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>													D
0.1 PRD NEAF 7X	764 ± ↓ 7x -A	0.004 DING DE	N 1. 2. 3. 4. 5.	OTES: MANU TALL' NUME STAN CONF APPR ANY ADDIT TO TI C UL C APPR APPR ANY ADDIT TO TI C C APPR APPR APPR APPR TO TI C C C C C C C C C C C C C C C C C C C	(UN UFACTUU Y WORI BER WI BER S SS OT DARD OVAL. DESIGF TONAL HE REI C2 C11 USING PUSH SS SF PLAST DD NE	ILES RE, / KMAN ITHIN EE P HERW FASTE TO TA SON N CH. SPEC 6 C AD "O" IC I IT T	SSOT ASSEMBLY SSHIP ST CIRCLE ARTS L VISE NO ENERS I VISE NO ENERS I VISE NO ANGE TO TESTING TO SAI ANGE TO SAI CONNE RING CONNE RING C RING C RI	HERW LE & P. ANDARC INDICA ST FOR TED BY MAY BE RKMANS O THIS ENCIES 3 NEE E, ITH ON CL T CTOR IFF TA	VISE :: AART MA SS. TATES IT SPEC SPEC SPECE SENCIES DRAWIN SENCIES DRAWIN SENCIES DRAWIN SENCIES DRAWIN SENCIES DRAWIN SENCIES DRAWIN SENCIES	SPEC ARK P EM OI IFICAT LENG STED ITANDA STED STED STED STED STED STED STED STED	CIFIED FR R FIND ION. THS OF TO NRDS. AY REQ COMP COMP AY REQ COMP COMP AY REQ COMP AY REC COMP AY REC COMP A AY REC COMP A AY REC COMP A AY REC COMP A AY REC COMP A A AY REC COMP A A A A A A A A A A A A A A A A A A A	UIRE LIAN UIRE APPI UEI	CE CE ROVAL	•	С
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PART PHILL BROW BYLUI BYLUI V. MCC VAUG	NUMB IPS ND SURR HAN	ER 3/2/l 3/5/l 5/15/ 5/23. 5/23.	01 01 01 /01 /01 /01	TTLE SIZE	CII			BOAF 1ER	RD / DRI	MAILIN SHIPPPI KENT, ASS	G: P.O. WA 9800 ING: 8300 EMB EMB	30X 1 54-9 1 So 1 So 1 So 1 So 1 So 1 So 1 So 1 So	97018 Ц 1807Н JSA , DWG I	ISA ST., REV	Α
MART	[N	5/23.	/01	D	1	23	44		t	513	0/1	J	l E		
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		0	,								1				







Q	UANT	ITY F	REQU	IRED	PEF	R ASS	SEME	BLY		
			/ /				$\left \begin{array}{c} & \\ & \\ & \\ & \\ & \end{array} \right $	20 × 20		
						8	\$ 8	PART NUMBER	DESCRIPTION	ITEM NO.
						1	-	084464	CBA - HAMMER DRI∨ER	1
						-		084478	CBA - HAMMER DRI∨ER, TESTED	2
										3
										4
										5
										6
							1	613669-084463	PCB- HAMMER DRI∨ER	7
						1		402697-730208	BAG- ELECTROSTATIC SHIELD	8
							3	610105-080336	I.C HAMVLSI SMT	9
							1	404157-732679	I.C AM26LS33AC SMT	10
										11
							1	400072-730259	RESISTOR- 22	12
							6	404145-732338	RESISTOR- 18 SMT	13
										14
							1	404145-732369	RESISTOR- 510 SMT	15
										16
							1	404144-732273	RESISTOR- 2K SMT	17
							1	402285-272	RESISTOR- 54,9K 1%	18
							1	404144-732281	RESISTOR- 5.1K SMT	19
							2	404144-732286	RESISTOR- 8.2K SMT	20
							1	402285-201	RESISTOR- 10K 1%	21
										55
							5	404145-732360	RESISTOR- 180 SMT	23
5	[a	lh	2		MAILI KENT	ING: P.I	0. BOX 98064-	$\begin{array}{c} 97018 \\ 9718 \\ 03718 \\ 03718 \\ 038 $	IDENT DWG NO. 613670	
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			_			/8		р Р/Р/	ART	NUM	BER			DESCR		1		ITEM NO.
							3	4041	45-	-732	2366	RE	SISTOR-	360			SMT	24
							1	4041	44-	-732	2410	RE	SISTOR-	39K			SMT	25
							1	4041	44-	-732	2283	RE	SISTOR-	6.2K	~		SMT	26
																		27
							1	4000	72-	-730	0102	RE	SISTOR-	51	1/4	√ 5%		28
																		29
							8	4040	69	-73	1545	СА	PACITOR	.01	luf		SMT	30
							3	4040	69-	-73	2462	СА	PACITOR	22	200PF	.	SMT	31
							8	4040	69-	-73	2481	СА	PACITOR	.1L	JF		SMT	32
							1	4041	73-	-732	2677	СА	PACITOR	4,	7UF	35V	TANT SMT	33
							3	4041	73-	-732	2424	СА	PACITOR	6,8	8UF	16∨	TANT SMT	34
							4	4009	00-	-732	2691	СА	PACITOR	22	20UF	63V	ALUM	35
																		36
							4	4042	277	-73	2740	СА	PACITOR	6,8	8UF	50V	TANT SMT	37
																		38
																		39
																		40
																		41
																		42
																		43
							A/R	4043	809-	-73	2803	AD	HESIVE-	HOT	MEL	Т, ЗМ	3779	44
							A/R	4021	19-	-730	671	AD	HESIVE-		TITE	404		45
							4	6136	93-	-084	4704	ΕX	TRUSION-	PCE	B EDO	ΞE		46
7	Γa.]]	,		MAILI	NG: P.C	0. BOX	97018 9718 US	SA		CODE I	dent 44	DWG NO.		61	367	0	
			,		KENT	, WA 9	8032	USA	ວາ., [/ REV	<u> ' 20</u> B	· ·	 File name PL	_3670	B	SHEET	3	

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QUANTITY REQU	JIRED PER	ASSEME	BLY		
			40×4		
		/ § / §	PART NUMBER	DESCRIPTION	ITEM NO.
		1	400093-731747	DI⊡DE 1N5255B 28∨	47
					48
		2	404257-732696	DIDDE BD1403 SMT	49
		4	404255-732687	DIDDE CMR3U-02 SMT	50
					51
		46	404318-732843	DIDDE BD1204 SMT	52
					53
					54
					55
					56
		46	404256-732688	TRANSISTOR MMDF3N06 SMT	57
		2	404228-732618	TRANSISTOR MMBTA06 LT1 SMT	58
		2	404229-732619	TRANSISTOR MMBTA56 LT1 SMT	59
		4	404258-732690	TRANSISTOR MTB75N06 SMT	60
					61
					62
		4	404142-732583	FILTER – EMI BLM41P600SPT SMT	63
		2	613401-083530	INSERT- STANDOFF, THRU HOLE	64
		4	402242-732669	CONNECTOR 26 PIN	65
		7	404224-732673	CONNECTOR 14 PIN	66
		7	404310-732815	"D" RING	67
		7	404223-732595	TERMINAL- SCREW, PC MOUNT	68
		7	403625-732644	INSERT- THRU HOLE STANDOFF 3/8 LONG	69
Tally	MAILIN KENT, SHIPP KENT.	IG: P.O. BOX WA 98064- ING: 8301 S WA 98032	97018 9718 USA • 180TH ST., A 123	^{дент} дwg no. 44 613670	
	•		rev B	FILE NAME PL3670B SHEET 4	4

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