Creo Products Inc.	Engineering Change Order		ECO#: C890
	Originator: Simon Cheung		Page: 1
	Department: Production	Date: June 4, 1999	

Engineering Changes

Part # (incl version)	Rev/Status From	To	Description	Prod line(s)	Related ECR's	Backwards compatible?	Srvc class	Prod class	Reason
02-4033A	W	X	FG,CTP,SPARES LIST,LEVEL 1	CTP	C156	Y	N/A	2	7
02-4053A	P	R	KIT,MAINT,FULL SPARES,CTP	CTP	C156	Y	N/A	2	7
02-4193A	P	R	FG,RENAISSANCE,SCN,SPARES LIST	SCN	C156	Y	N/A	2	7
02-4257B	B	C	KIT,MAINT,UPTIME SPARES,SCN	SCN	C156	Y	N/A	2	7
02-4258A	E	F	KIT,MAINT SPARES,UPTIME,TS3244	TS3	C156	Y	N/A	2	7
02-4259A	J	K	KIT,MAINT SPARES,UPTIME,CTP3244	CTP	C156	Y	N/A	2	7
10-3416B	A	B	ASSY,ELEC,POWER DISTRIBUTION UNIT,SCN	SCN	C156	Y	N/A	2	7
11-0404B	B	C	ASSY,EM,ENGINE MODULE,CTP	CTP	C156	Y	F	2	7
11-0484B	G	H	KIT,EM,TS BASE(NO OPTION),TS3	TS3	C156	Y	N/A	2	7
11-0575A	E	F	ASSY,EM,POWERBOX,4-PAGE,TS4	TS4	C156	Y	F	2	7
15-3114	A	IN	SERVOAMP,BLDC MTR,8/12AMP,160VDC CE						

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Add the following people to this ECO's distribution list:	Print or type name:	Date:
Colin Evans		
Neil Mclean		
Paulo Guedes-Pinto		
Steve Froese		
Simon Cheung		

Status	Service class	Production class	Reason for change
IN Inactive OB Obsolete PR Pre-release	R Retrofit S Next Call F Next Fail T Their Cost N Not Up-Gradable N/A Not Applicable	1 Retrofit all units 2 Finished goods 3 WIP 4 Future 5 Documentation	1 Design 2 Manufacturing 3 Assembly 4 Documentation 5 Cost 6 Maintenance 7 Reliability 8 Software 9 Other

15-3114B	A	IN	SERVOAMP,BLDC MTR,8/12AMP,160VDC CE						
15-3329A	PR	A	SERVOAMP,BLDC MTR,8/12AMP,160VDC CE	SCN	C156	Y	N/A	2	7
15-3330A	PR	A	SERVOAMP,BLDC MTR,8/12AMP,160VDC,MODIFIED	ZZZ	C156	Y	N/A	2	7
02-4321A	A	B	KIT,MAINT SPARES(JOINT),UPTIME,TS4	TS4		Y	N/A	2	7

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Details of Problem and the Changes

Details:

Problem: Due to a large deadband drift on the Automotion servoamp, a tighter bench testing's specification is needed from the vendor (Automotion)

Solution: Vendor will calibrate large offset from their facility and ensure that a large deadband drifting does not occur.

Creo will use "drum cal" command from the MPE to compensate the offset during testing and to ensure that the servoamp is within Creo's requested specification.

Scanner: Since their product will soon be at their end of life cycle in September 1999, they will use up the existing version but with a different Creo number (**15-3329A**) in production.

TS3,TS4,TS8 & CTP will use the new modified version servoamp (**15-3330A**) for their production and service

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Documentation Changes

Part #	Rev/Status From	To	Documents Type	Status/Resp	Type	Status/Resp	Type	Status/Resp	Type	Status/Resp
02-4033A	W	X	BOM	RL/SCHEUNG						
02-4053A	P	R	BOM	RL/SCHEUNG						
02-4193A	P	R	BOM	RL/SCHEUNG						
02-4257B	B	C	BOM	RL/SCHEUNG						
02-4258A	E	F	BOM	RL/SCHEUNG						
02-4259A	J	K	BOM	RL/SCHEUNG						
10-3416B	A	B	BOM	RL/SCHEUNG						
11-0404B	B	C	BOM	RL/SCHEUNG	AD	UP/CARL	SCH	UP/CARL		
11-0484B	G	H	BOM	RL/SCHEUNG	AD	AT/SCHEUNG				
11-0575A	E	F	BOM	RL/SCHEUNG			SCH	UP/SCHEUNG		
02-4321A	A	B	BOM	RL/SCHEUNG						

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Document Status Codes AT – Updated document is attached RL – Redlined document is attached
UP – No document attached, update will follow NC – No changes required to document

Responsibility Name of Creo employee who is responsible for updating the document

Production Implementation

Part #	Qty in Stock	Action	Qty in Process	Job # / PO #	Action	Comments
15-3114		USE UP ALL IN STOCK				**IF "DRUM CAL" COMMAND WOULD NOT ABLE TO CALIBRATE THE SERVO AMP, ADJUST CABLIBRATION PER 73-3176A.** **IF ADJUSTMENT CAN NOT BE DONE, HAVE THE SERVO AMP SENT BACK TO VENDOR**

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Service Logistics Implementation

Part #	Qty in Stock	Action	Qty in Process	Job # / PO #	Action	Comments
15-3329		SHIP ONLY NEW PART WHEN AVAILABLE				
15-3114 @ THE CUSTOMER SITE		EXCHANGE SERVICE STOCK WITH 15-3330A VERSION WHEN IT BECOMES AVALIABLE				**THE SERVO AMP AT THE CUSTOMER WILL ONLY BE REPLACED WITH THE NEW ONE (15-3330A) IF PROBLEM ARISES OR "DRUM CAL" COMMAND WOULD NOT ABLE TO CALIBRATE THE SERVO AMP.**
15-3114 IN SERVICE STOCK		RELABEL A SMALL PORTION OF 15-3114 WITH 15-3329A AT THE BACK OF THE SERVO AMP FOR SCANNER SAFETY STOCK. OTHERWISE SHIP THE REST OF 15-3114 BACK TO VENDOR FOR MODIFICATION.				

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Actions

Owner	Action
Michelle Daoust	Buy new part and ask automotion to send us some new 15-3329A labels.
Production (startup)	ENSURE THAT NEW PART (15-3330A) IS USED IN TS3, TS4,TS8 & CTP. IDENTIFIED WITH BLUE DOT. FOR SCANNER GROUP, ENSURE THAT NEW PART (15-3329A) IS USED IN SCANNER UNITS. IF THE SERVO AMP IS LABELLED 15-3314, RELABEL IT WITH 15-3329A AT THE BACK
Frances Caton	Post to intranet – parts & http://intranet/support/html/Platesetter_3244/mda.htm & PSU Note : new part (15-3330A) Identified with blue dot
Colin Evan	FYI
Ming Zhang	FYI
Todd Malone	FYI
Carl VanMaarseveen	UPDATE SOFT COPIES & FILE SOFT & HARD COPIES TO KATHY LAVERGNE
Neil Mclean	FYI
Kathy Lavergne	FILE SOFT & HARD COPIES
Steve Froese	FYI
Paulo Guedes-Pinto	FYI
Mark Friesen	Make sure the ones in service stock are sent back for modification when new one are available. RELABEL A SMALL PORTION OF 15-3114 WITH 15-3329A AT THE BACK OF THE SERVO AMP FOR SCANNER SAFETY STOCK. OTHERWISE SHIP THE REST OF 15-3114 BACK TO VENDOR FOR MODIFICATION

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