



Hemtick

ENGINEERING CHANGE ORDER

REQUEST DATE	10/17/2022	REQUESTED BY	H. AMEZQUITA	REQUESTED RELEASE DATE	10/21/2022	ECO #	ECO-00078
AFFECTED PRODUCT LINES	1" CORDLESS ALUMINUM BLIND (956 PROGRAM)						
REASON FOR CHANGE	CORDLESS MECHANISM UPGRADE FROM CF#6 TO CF#8						
DESCRIPTION OF CHANGE	1) CORDLESS MECHANISM UPGRADE FOR BETTER PERFORMANCE AND RELIABILITY 2) SUPPLIER PRODUCTION RELOCATION						
COST IMPACT	N/A						
DOCUMENT / PART NUMBER	OLD REV	NEW REV	DOCUMENT/ PART DESCRIPTION	CHANGE DESCRIPTION	FORM, FIT, OR FUNCTION AFFECTED <small>Yes, or No</small>	PART DISPOSITION <small>(USE AS IS) (REWORK) (SCRAP) (OBSOLETE) (RETURN TO VENDOR) (OTHER)</small>	
(SEE PAGE 3-4 FOR SKU LIST)	-	-	1" CORDLESS ALUMINUM BLIND (ALL DIMENSIONS AND COLORS)	UPGRADE CORDLESS MECHANISM FROM CF#6 TO CF#8	NO	N/A	
ADDITIONAL INFORMATION	STARTING PO: TBD						
AFFECTED DOCUMENTS / PROCESSES (CHECK ALL THAT APPLY)							
BOM / CONFIG	<input type="checkbox"/>	PRODUCT / PART SPEC	<input checked="" type="checkbox"/>	QC CHECKLIST	<input type="checkbox"/>	PART DRAWING	<input type="checkbox"/>
				ASSEMBLY DRAWING	<input type="checkbox"/>	INSTR SHEET	<input type="checkbox"/>
				PROCESS VISUAL AIDS	<input type="checkbox"/>	WORK INSTRUCTIONS	<input type="checkbox"/>
ECO APPROVALS ROUTING							
APPROVER	APPROVAL REQUIRED	APPROVER NAME	APPROVAL STATUS	APPROVED ON	NOTES		
PHASE II MANAGEMENT (US - DL)	<input checked="" type="checkbox"/>	T. DAVIDSON	APPROVED	10/17/2022			
PHASE II PROD DEV (US - NY)	<input checked="" type="checkbox"/>	L. HUNT	APPROVED	10/18/2022			
MANAGEMENT (MX)	<input checked="" type="checkbox"/>	L. MONTEJO	APPROVED	10/18/2022			
QC / ENG (MX)	<input checked="" type="checkbox"/>	H. AMEZQUITA	APPROVED	10/17/2022			
IT (MX)	<input checked="" type="checkbox"/>	E. CASTELLANOS	APPROVED	10/17/2022			
PRODUCTION (MX)	<input type="checkbox"/>						
MATERIALS (MX)	<input type="checkbox"/>						

ACTIONS REQUIRED

BOM / CONFIG	<input type="checkbox"/>	WILL BE MODIFIED BY IT (MX)
PRODUCT / PART SPEC	<input checked="" type="checkbox"/>	WILL BE MODIFIED QC / ENG (MX)
QC CHECKLIST	<input type="checkbox"/>	WILL BE MODIFIED QC / ENG (MX)
PART DRAWING	<input type="checkbox"/>	WILL BE MODIFIED QC / ENG (MX)
ASSEMBLY DRAWING	<input type="checkbox"/>	WILL BE MODIFIED QC / ENG (MX)
INSTR SHEET	<input type="checkbox"/>	WILL BE MODIFIED PHASE II (USA)
PROCESS VISUAL AIDS	<input type="checkbox"/>	WILL BE MODIFIED QC / ENG (MX)
WORK INSTRUCTIONS	<input type="checkbox"/>	WILL BE MODIFIED QC / ENG (MX)

PICTURES, DRAWINGS, ETC.

Stock#	Description	Component	Color	Class	Vendor
95624480182	CORDLESS ALUM BONE 24 X 48	1CLALUM24X48	182	956	1024
95624720182	CORDLESS ALUM BONE 24 X 72	1CLALUM24X72	182	956	1024
95630480182	CORDLESS ALUM BONE 30 X 48	1CLALUM30X48	182	956	1024
95630720182	CORDLESS ALUM BONE 30 X 72	1CLALUM30X72	182	956	1024
95636480182	CORDLESS ALUM BONE 36 X 48	1CLALUM36X48	182	956	1024
95636720182	CORDLESS ALUM BONE 36 X 72	1CLALUM36X72	182	956	1024
95642480182	CORDLESS ALUM BONE 42 X 48	1CLALUM42X48	182	956	1024
95642720182	CORDLESS ALUM BONE 42 X 72	1CLALUM42X72	182	956	1024
95648480182	CORDLESS ALUM BONE 48 X 48	1CLALUM48X48	182	956	1024
95648720182	CORDLESS ALUM BONE 48 X 72	1CLALUM48X72	182	956	1024
95654480182	CORDLESS ALUM BONE 54 X 48	1CLALUM54X48	182	956	1024
95654720182	CORDLESS ALUM BONE 54 X 72	1CLALUM54X72	182	956	1024
95660480182	CORDLESS ALUM BONE 60 X 48	1CLALUM60X48	182	956	1024
95660720182	CORDLESS ALUM BONE 60 X 72	1CLALUM60X72	182	956	1024
95666480182	CORDLESS ALUM BONE 66 X 48	1CLALUM66X48	182	956	1024
95666720182	CORDLESS ALUM BONE 66 X 72	1CLALUM66X72	182	956	1024
95672480182	CORDLESS ALUM BONE 72 X 48	1CLALUM72X48	182	956	1024
95672720182	CORDLESS ALUM BONE 72 X 72	1CLALUM72X72	182	956	1024
95624480139	CORDLESS ALUM BRUSHED SILVER 24 X 48	1CLALUM24X48	139	956	1024
95624720139	CORDLESS ALUM BRUSHED SILVER 24 X 72	1CLALUM24X72	139	956	1024
95630480139	CORDLESS ALUM BRUSHED SILVER 30 X 48	1CLALUM30X48	139	956	1024
95630720139	CORDLESS ALUM BRUSHED SILVER 30 X 72	1CLALUM30X72	139	956	1024
95636480139	CORDLESS ALUM BRUSHED SILVER 36 X 48	1CLALUM36X48	139	956	1024
95636720139	CORDLESS ALUM BRUSHED SILVER 36 X 72	1CLALUM36X72	139	956	1024
95642480139	CORDLESS ALUM BRUSHED SILVER 42 X 48	1CLALUM42X48	139	956	1024
95642720139	CORDLESS ALUM BRUSHED SILVER 42 X 72	1CLALUM42X72	139	956	1024
95648480139	CORDLESS ALUM BRUSHED SILVER 48 X 48	1CLALUM48X48	139	956	1024
95648720139	CORDLESS ALUM BRUSHED SILVER 48 X 72	1CLALUM48X72	139	956	1024
95654480139	CORDLESS ALUM BRUSHED SILVER 54 X 48	1CLALUM54X48	139	956	1024
95654720139	CORDLESS ALUM BRUSHED SILVER 54 X 72	1CLALUM54X72	139	956	1024
95660480139	CORDLESS ALUM BRUSHED SILVER 60 X 48	1CLALUM60X48	139	956	1024
95660720139	CORDLESS ALUM BRUSHED SILVER 60 X 72	1CLALUM60X72	139	956	1024
95666480139	CORDLESS ALUM BRUSHED SILVER 66 X 48	1CLALUM66X48	139	956	1024
95666720139	CORDLESS ALUM BRUSHED SILVER 66 X 72	1CLALUM66X72	139	956	1024
95672480139	CORDLESS ALUM BRUSHED SILVER 72 X 48	1CLALUM72X48	139	956	1024
95672720139	CORDLESS ALUM BRUSHED SILVER 72 X 72	1CLALUM72X72	139	956	1024
95624480138	CORDLESS ALUM CHARCOAL 24 X 48	1CLALUM24X48	138	956	1024
95624720138	CORDLESS ALUM CHARCOAL 24 X 72	1CLALUM24X72	138	956	1024
95630480138	CORDLESS ALUM CHARCOAL 30 X 48	1CLALUM30X48	138	956	1024
95630720138	CORDLESS ALUM CHARCOAL 30 X 72	1CLALUM30X72	138	956	1024
95636480138	CORDLESS ALUM CHARCOAL 36 X 48	1CLALUM36X48	138	956	1024
95636720138	CORDLESS ALUM CHARCOAL 36 X 72	1CLALUM36X72	138	956	1024
95642480138	CORDLESS ALUM CHARCOAL 42 X 48	1CLALUM42X48	138	956	1024
95642720138	CORDLESS ALUM CHARCOAL 42 X 72	1CLALUM42X72	138	956	1024
95648480138	CORDLESS ALUM CHARCOAL 48 X 48	1CLALUM48X48	138	956	1024
95648720138	CORDLESS ALUM CHARCOAL 48 X 72	1CLALUM48X72	138	956	1024

95654480138	CORDLESS ALUM CHARCOAL 54 X 48	1CLALUM54X48	138	956	1024
95654720138	CORDLESS ALUM CHARCOAL 54 X 72	1CLALUM54X72	138	956	1024
95660480138	CORDLESS ALUM CHARCOAL 60 X 48	1CLALUM60X48	138	956	1024
95660720138	CORDLESS ALUM CHARCOAL 60 X 72	1CLALUM60X72	138	956	1024
95666480138	CORDLESS ALUM CHARCOAL 66 X 48	1CLALUM66X48	138	956	1024
95666720138	CORDLESS ALUM CHARCOAL 66 X 72	1CLALUM66X72	138	956	1024
95672480138	CORDLESS ALUM CHARCOAL 72 X 48	1CLALUM72X48	138	956	1024
95672720138	CORDLESS ALUM CHARCOAL 72 X 72	1CLALUM72X72	138	956	1024
95624480184	CORDLESS ALUM MOCHA 24 X 48	1CLALUM24X48	184	956	1024
95624720184	CORDLESS ALUM MOCHA 24 X 72	1CLALUM24X72	184	956	1024
95630480184	CORDLESS ALUM MOCHA 30 X 48	1CLALUM30X48	184	956	1024
95630720184	CORDLESS ALUM MOCHA 30 X 72	1CLALUM30X72	184	956	1024
95636480184	CORDLESS ALUM MOCHA 36 X 48	1CLALUM36X48	184	956	1024
95636720184	CORDLESS ALUM MOCHA 36 X 72	1CLALUM36X72	184	956	1024
95642480184	CORDLESS ALUM MOCHA 42 X 48	1CLALUM42X48	184	956	1024
95642720184	CORDLESS ALUM MOCHA 42 X 72	1CLALUM42X72	184	956	1024
95648480184	CORDLESS ALUM MOCHA 48 X 48	1CLALUM48X48	184	956	1024
95648720184	CORDLESS ALUM MOCHA 48 X 72	1CLALUM48X72	184	956	1024
95654480184	CORDLESS ALUM MOCHA 54 X 48	1CLALUM54X48	184	956	1024
95654720184	CORDLESS ALUM MOCHA 54 X 72	1CLALUM54X72	184	956	1024
95660480184	CORDLESS ALUM MOCHA 60 X 48	1CLALUM60X48	184	956	1024
95660720184	CORDLESS ALUM MOCHA 60 X 72	1CLALUM60X72	184	956	1024
95666480184	CORDLESS ALUM MOCHA 66 X 48	1CLALUM66X48	184	956	1024
95666720184	CORDLESS ALUM MOCHA 66 X 72	1CLALUM66X72	184	956	1024
95672480184	CORDLESS ALUM MOCHA 72 X 48	1CLALUM72X48	184	956	1024
95672720184	CORDLESS ALUM MOCHA 72 X 72	1CLALUM72X72	184	956	1024
95624480118	CORDLESS ALUM WHITE 24 X 48	1CLALUM24X48	118	956	1024
95624720118	CORDLESS ALUM WHITE 24 X 72	1CLALUM24X72	118	956	1024
95630480118	CORDLESS ALUM WHITE 30 X 48	1CLALUM30X48	118	956	1024
95630720118	CORDLESS ALUM WHITE 30 X 72	1CLALUM30X72	118	956	1024
95636480118	CORDLESS ALUM WHITE 36 X 48	1CLALUM36X48	118	956	1024
95636720118	CORDLESS ALUM WHITE 36 X 72	1CLALUM36X72	118	956	1024
95642480118	CORDLESS ALUM WHITE 42 X 48	1CLALUM42X48	118	956	1024
95642720118	CORDLESS ALUM WHITE 42 X 72	1CLALUM42X72	118	956	1024
95648480118	CORDLESS ALUM WHITE 48 X 48	1CLALUM48X48	118	956	1024
95648720118	CORDLESS ALUM WHITE 48 X 72	1CLALUM48X72	118	956	1024
95654480118	CORDLESS ALUM WHITE 54 X 48	1CLALUM54X48	118	956	1024
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95666480118	CORDLESS ALUM WHITE 66 X 48	1CLALUM66X48	118	956	1024
95666720118	CORDLESS ALUM WHITE 66 X 72	1CLALUM66X72	118	956	1024
95672480118	CORDLESS ALUM WHITE 72 X 48	1CLALUM72X48	118	956	1024
95672720118	CORDLESS ALUM WHITE 72 X 72	1CLALUM72X72	118	956	1024

REPORT TITLE:	SWITCH TO 1" CF8 CORDLESS ALUM. BLIND (956)	REPORT DATE:	10/11/2022
REPORT NUMBER:	ENGREP-072	CREATED BY:	J. Majli Jauregui R.
QA & ENGINEERING APPROVAL	CC:		
Hugo Amezcua	Theresa Davidson, Lee Hunt, Lisa Hernandez, Lulú Montejo, Marcos Chang, Hugo Amezcua.		

1. Background:

Switch to CF8 represent a better design because these are more compact and a potentially more stable cordless mechanism.

2. Analysis:

We receive two pieces of every range of measure, we performed cutoff operation of one piece (width and length) for each. The functionality test was performed in the whole range of functional movement of the mechanism.

In some samples we perform a cutdown test considering the maximum allowed adjustment of width.

The following characteristics were assessed as critical points:

- Reaction of the mechanism when lowering and raising the BR (picture 1).
- Stability to hold in mid position (picture 2).
- Stability to hold in closed position (picture 3).



Picture 1. Open (lowered) Position



Picture 2. Mid Position



Picture 3. Closed (raised) Position

WIDTH	LENGTH	WIDTH AND LENGTH ADJUSTMENT		FUNCTIONALITY TEST	COMMENTS
		FINAL WIDTH	FINAL LENGTH		
24	72	24	72	PASS	N/A
24	48	18	24	PASS	N/A
30	72	24	50	PASS	N/A
30	48	24	30	PASS	N/A
36	72	36	48	PASS	N/A
36	48	30	24	PASS	N/A
42	72	36	55	PASS	N/A
42	48	36	36	PASS	N/A
48	72	42	60	PASS	N/A
48	48	42	24	PASS	N/A
54	72	48	60	PASS	N/A
54	48	48	24	PASS	N/A
60	72	60	72	PASS	N/A
60	48	54	30	PASS	N/A
66	72	60	60	PASS	N/A
66	48	60	24	PASS	N/A
72	72	66	72	PASS	N/A
72	48	72	24	PASS	N/A

TABLE 1: 1" CF8 Cordless Alum. Blind (956)

3. Conclusion:

In all cases, none of the samples required adjusting the counterweight, which is a direct indication of the stability of the mechanism after the piece was submitted to cutoff operations. See Table 1: 1" CF8 Cordless Alum. Blind (956).

The samples that were cut adjusting the width and length according to the specifications of the supplier did not represent any problem for our current cutdown process according with the previous spec sheet revision (08/16/2018, Rev.).

A new revision of this spec sheet is required per this change.