Trendsetter VLF

LEC Pushbar Installation Procedure

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Revision History

Revision	Date	Author	Comments
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1. SCOPE

This document describes the step-by-step procedure for replacing the Leading edge Clamp (LEC) pushbar (57-1470C) with kit 05-2036

2. SAFETY PRACTICES

3. TOOLS REQUIRED

- LEC Upgrade Kit (PN 05-2036)
-

4. FIELD UPGRADE PROCEDURE

4.1 Removing the existing LEC pushbar

1. Make sure the LEC Backbone is in the retracted position (Up)
2. Remove the should bolts from the rod end of the LEC cylinder
3. **Remove three of the m6 screws from the LEC hinge, one from each end and one from the middle, and replace them with 52-7186. The purpose of doing this is so that the nut-plate does not fall into the backbone**.
4. Remove the sensor cables
5. Remove the rest of the M5 screws from the hinge plate
6. Inspect the leads on the reed switches for the TEC magnets. If the leads appear to be loose, then install new reed switches, 10-5056A.

4.2 Installing the LEC Pushbar

1. Install new LEC pushbar by sliding it over the three exposed m5 setscrews
2. Install the Stiffener channel (57-9324A, Figure 1.)
3. Install the M5 screws into the LEC hinge open holes.
4. Remove the three M5 setscrews and replace them with M5 screws
5. Adjust the Cylinder end lock nut so that it is all the way on (Figure 3).
6. Reinstall the shoulder bolts and nuts onto the LEC cylinder
7. Adjust the magnets/reed switches so that they trigger when the LEC Pusbar hinge is up.
8. Adjust the electronic registration pins if necessary

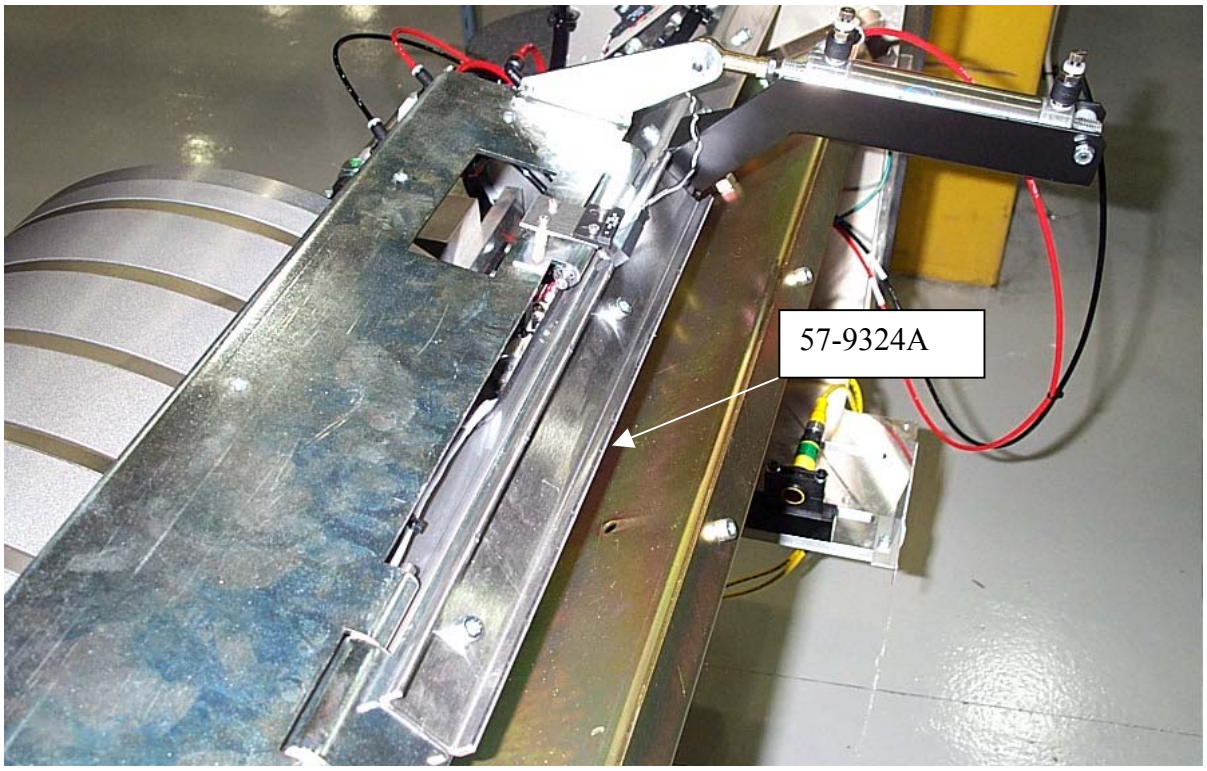


Figure 1

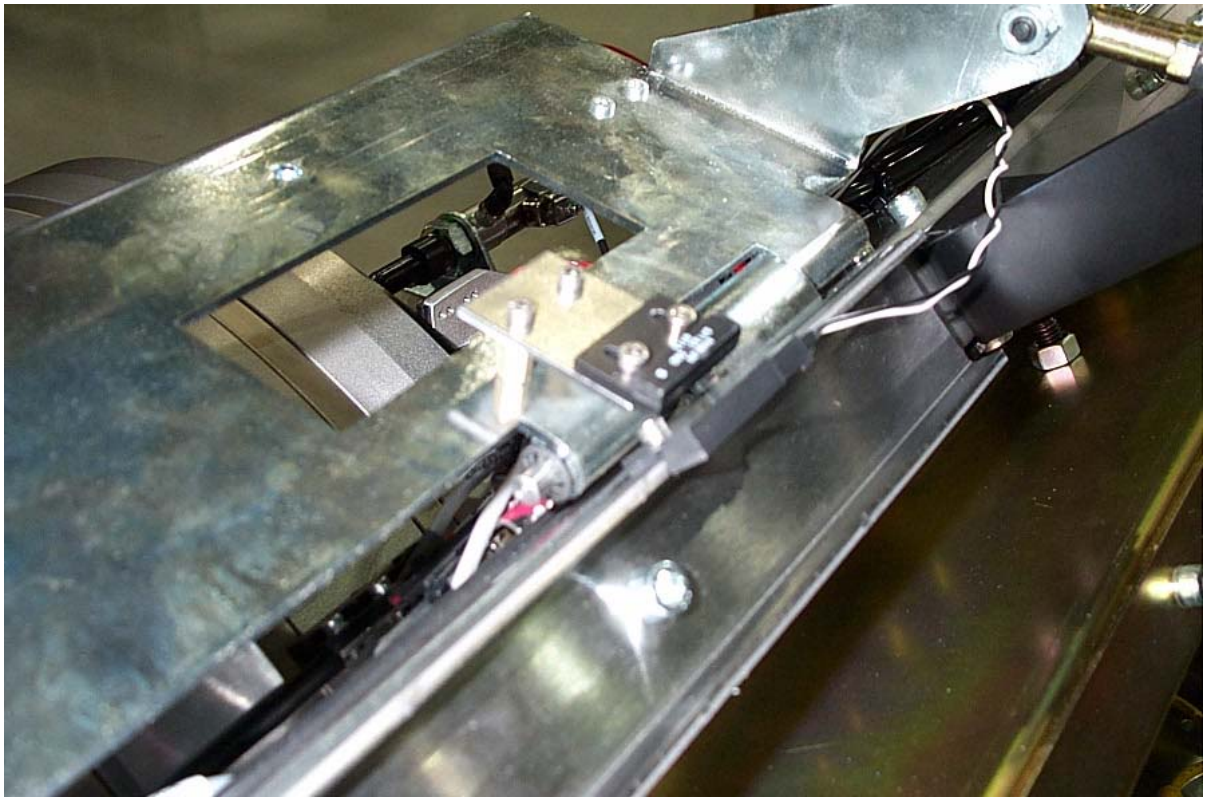


Figure 2

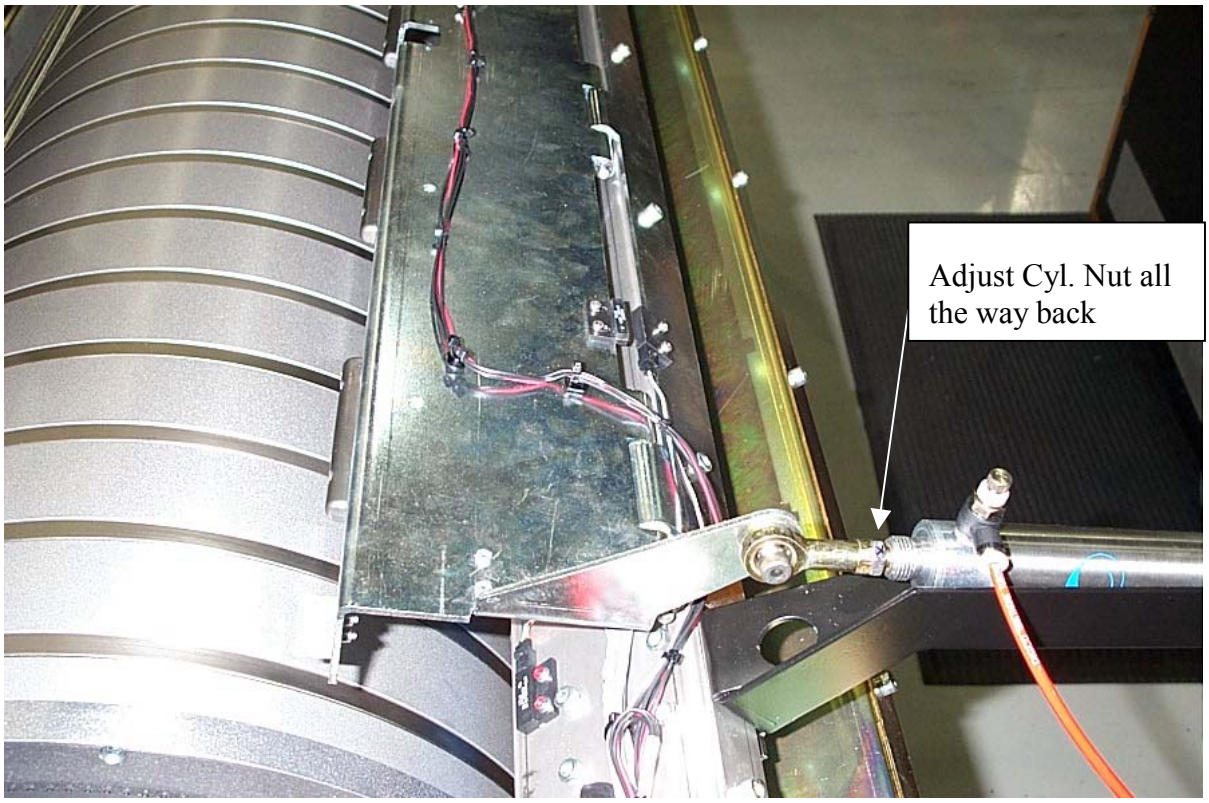


Figure 3.

5. BOM FOR 05-2036

Material	05-2036	1000	**Alt.**	**Usage**	3
	KIT,UPGRADE,ECO E497,PUSHBAR,TSV			**Valid**	2001.11.21
Reqd qty	1.000 PC	**Base quant**		1.000 PC	

Lv	Item	Component no.		Quant	Un	Ict	Asm
		Description					Ex.
1	0010	50-1773A	C	1.000	PC	L	X
		ASSY,LE FLAP,ELEC REG,U/G,TSV					
1	0000	50-1773A	ASSY,LE FLAP,ELEC REG,U/G,TSV				
2	0010	50-2472A	A	1.000	PC	L	X
		ASSY,MECH,LEADING EDGE CLAMP,TSV					
2	0020	57-1472A	C	2.000	PC	L	
		FAB,LE CLAMP,TRAVEL STOP,TSV					

2	0030	52-4479		4.000	PC	L
		SCRW,M3*16,SOCK-CAP,S-PLATED				
2	0040	52-3197		4.000	PC	L
		NUT,M3,NYLOCK,S-PLATED				
2	0050	57-2078A	B	10.000	PC	L
		FAB,LE PUSH BAR,NYLON				
2	0060	52-3071		20.000	PC	L
		WASH,M4,BEL-SERRATED,S-BLK				
2	0070	52-4318		20.000	PC	L
		SCRW,M4*12,SOCK-BUT,S-BLK				
2	0080	52-4042		20.000	PC	L
		NUT,M4,NYLOCK				
2	0090	10-5065A	A	2.000	PC	L X
		CAB,ASSY,REED SWITCH,NO,200VDC,0.5A				
2	0100	52-3252		10.000	PC	L
		SCRW,M3*8,SOCK-CAP,S-PLATED,PRE-APPLIED				
2	0110	52-3057		12.000	PC	L
		WASH,M3,FLT,S-PLATED				
2	0130	52-4523		4.000	PC	L
		SCRW,M3*10,SOCK-CAP,S-PLATED				
2	0140	59-3141		4.000	PC	L
		MAGNET,REED SWITCH ACTUATOR				
2	0150	57-5598A	A	4.000	PC	L
		FAB,BRACKET,ELECTRODE HOLDER,TSV				
2	0160	13-4882		4.000	PC	L
		ELECTRODE,SPRING LOADED				
2	0170	52-4768		4.000	PC	L
		SCRW,1/4-28*3/16,SOCK-SET SCREW				
2	0180	52-3180		8.000	PC	L
		SCRW,M4*20,SOCK-FLT,S-BLACK				
2	0190	52-4054		8.000	PC	L
		WASH,M4,FLT,S-PLATED				
2	0200	52-4042		8.000	PC	L

		NUT,M4,NYLOCK						
2	0210	18-3211			11.000	PC	L	
		CAB,TIE MOUNT,BARBED,BLACK						
2	0230	10-4007A	A		1.000	PC	L	X
		CAB,ASSY,REG PINS-DIS,TSV						
2	0250	57-9323A	A		1.000	PC	L	
		FAB,TRAILING EDGE CLAMP SENSOR TAB,TSV						
2	0260	57-9324A	A		1.000	PC	L	
		FAB,TRAILING EDGE CLAMP STIFFENER,TSV						
2	0270	15-3063			2.000	PC	L	
		SENS,REED SWITCH,NO,200-250VDC,.5A						
2	0280	52-4331			2.000	PC	L	
		SPACR,M3*12,HEX,MALE/FEMALE,ALUM						
2	0290	52-7186			3.000	PC	L	
		SCRW,M6*45,SET,FLAT END						
2	0000	50-2472A	ASSY,MECH,LEADING EDGE CLAMP,TSV					
3	0010	57-9306A	A		1.000	PC	L	
		FAB,PUSH BAR,MAIN LEAF,TSV						
3	0020	57-9307A	A		1.000	PC	L	
		FAB,PUSH BAR,STATIONARY LEAF,TSV						
3	0030	57-9308A	A		7.000	PC	L	
		FAB,PUSHBAR HINGE ROD,TSV						
3	0040	54-4227			14.000	PC	L	
		BUSH,IGLIDE,1/4"						
3	0050	52-7245			14.000	PC	L	
		SPRING CLIP,1/4"						
2	0000	10-5065A	CAB,ASSY,REED SWITCH,NO,200VDC,0.5A					2
3	0010	15-3507			2.000	PC	L	
		SENS,REED,NO,200VDC,0.5A,W/12" LEEDS						
3	0020	74-3004			2.000	PC	L	
		LABEL,PRINTER BLANK,PARTNUM,.65"*.20"						
3	0030	16-3467			4.000	PC	L	
		PINS,MALE,CRIMP,24-22AWG,MLX70021						

3	0040	16-3799	2.000	PC	L
		CONN,REC,2PIN,CRIMP,0.1",1ROW,MLXLATCH			
2	0000	10-4007A CAB,ASSY,REG PINS-DIS,TSV			
3	0010	16-3829	1.900	M	L
		WIRE,22AWG,26*36,TR-64,RED,300V,HIFLEX			
3	0020	16-3699	4.260	M	L
		WIRE,22AWG,26*36,TR-64,BLK,300V,HIFLEX			
		1 @ 1620mm, 1 @ 1396mm, 1 @ 1242mm			
3	0030	18-3271	4.000	PC	L
		HDWR,FERRULE,WM,H0.5/14,26-22AWG,INS,ORG			
3	0040	16-3610	4.000	PC	L
		PINS,FEM,CRIMP,18-24AWG,MLX MINI-FIT			
3	0050	16-3611	1.000	PC	L
		CONN,PLUG,4PIN,CRIMP,MLX MINI-FIT			
3	0060	18-3017	11.000	PC	L
		CAB,TIE,10CM,BLACK			
3	0070	74-3003	1.000	PC	L
		LABEL,PRINTER BLANK,CABLE ID,SELF-LAMINA			