

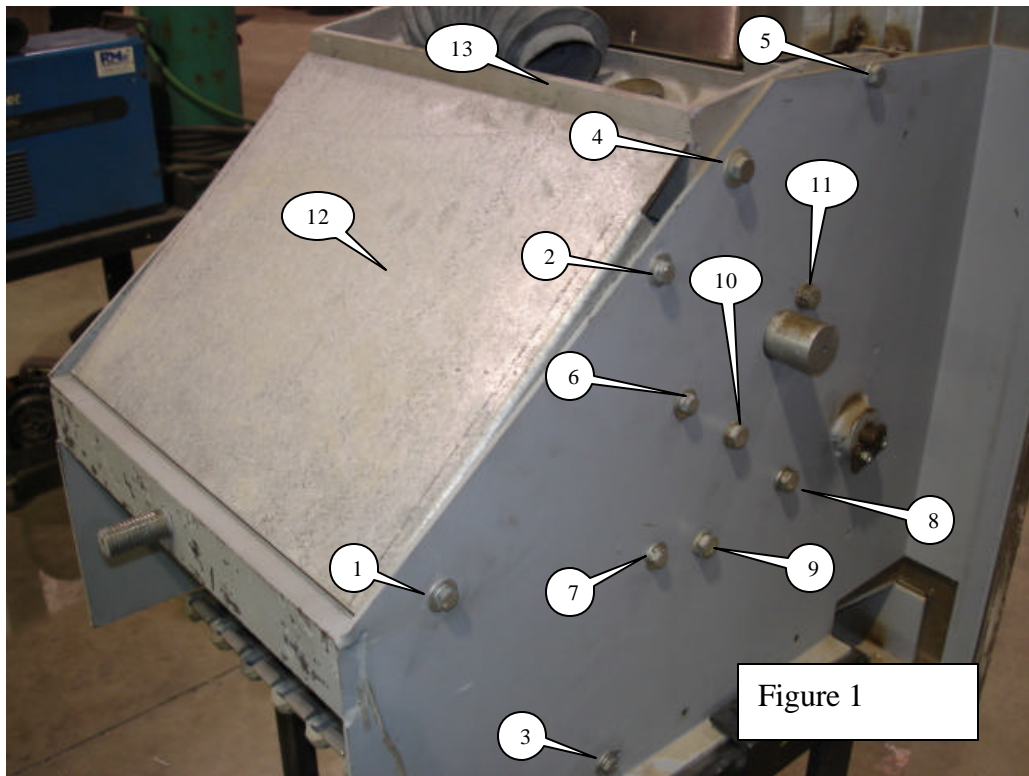
HAMILTON

80UC NIGHT DEPOSITORY

REFURB KIT

INSTRUCTION SHEET

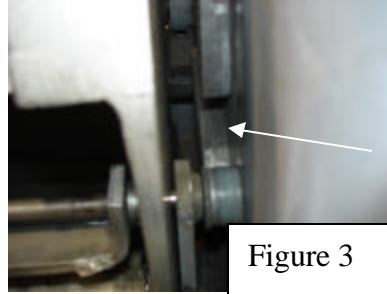
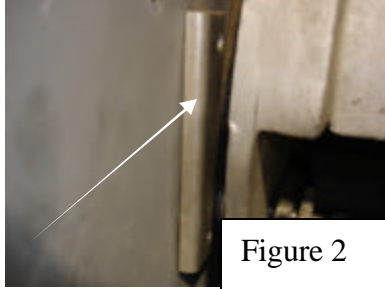
Instructions for converting an early model 80UC (PRE-SERIAL #12864-N manufactured before 7/09/07) to the more secure bucket with shield and fillers.



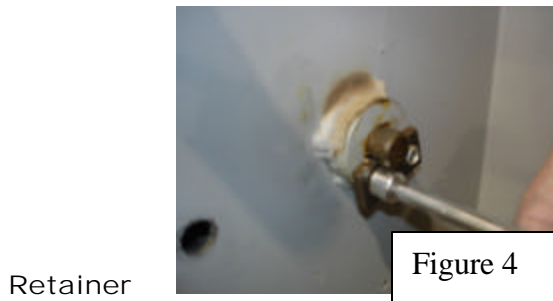
1. Remove bolts #1 and #2 both sides (figure 1), keep for reassembly
2. Remove B8363 inner housing back cover, #12 (figure 1) keep for reassembly

Doc. # 08-309

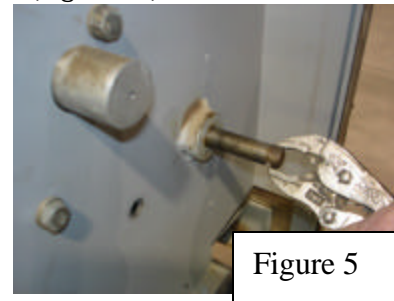
3. Remove bolt #3 both sides and diaper rod (figure 1), keep for reassembly
4. Remove bolts #4 and #5 both sides (figure 1), keep for reassembly
5. Remove B4095 Top Casting #13 (figure 1), keep for reassembly
6. Remove bolts #6 and #7 both sides (figure 1) discard
7. Remove B3816 Gate Bumpers, discard (figure 2)



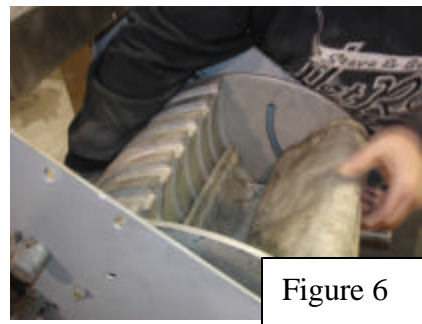
8. Remove bolts #8 and #9, (figure 1) discard
9. Remove B2578 roller cams, discard (figure 3)
10. Remove Screws and axle retainers both sides (figure 4) Discard



Retainer



11. Remove Axle Pins (**CAUTION: BUCKET WILL DROP INTO HOUSING**) (figure 5) Discard Pins



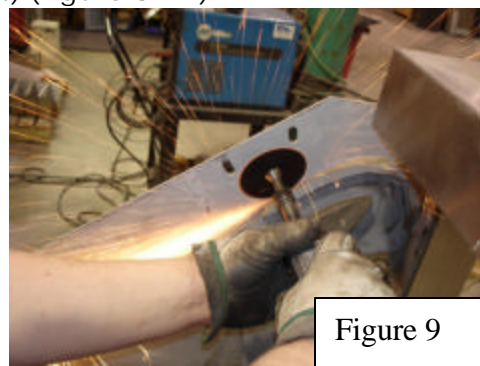
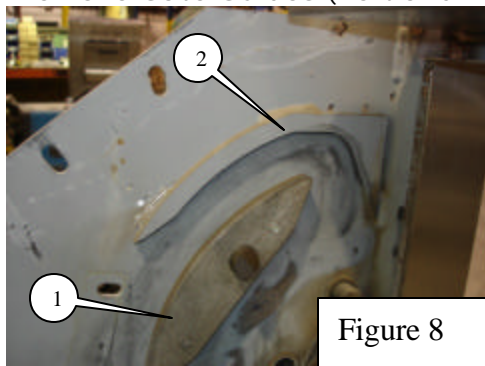
12. Remove Bucket from housing (figure 6)



13. Remove Bucket Rest Assembly (figure 7)

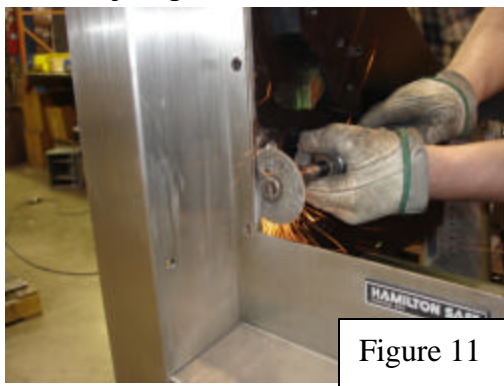
14. Remove bolts #10 and #11 both sides (figure 1)

15. Remove Gate Guides (Left and Right) (figure 8 #1)



16. Remove Anti-Sail Bars (figure 8 #2) in earlier models cutting of welds to remove are necessary (figure 9)

17. Removal of Lock Actuator Pins are only necessary to make putting shims on Axle Pins easier during reassembly (figure 10)



18. It may be necessary to make clearance between Axle hub and frame for the weather seal and mounting bracket (figure 11)

19. Use provided template to locate and mark holes to be drilled for Filler

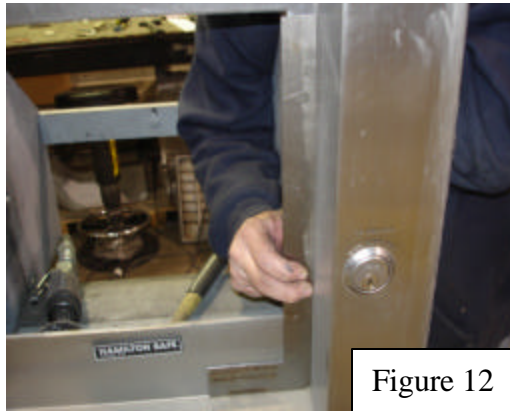


Figure 12

Channels (figure 12)

the same template is flipped over to mark opposite side.

the same

20. Drill marked holes 3/8" for inner weather seal (figure 13)

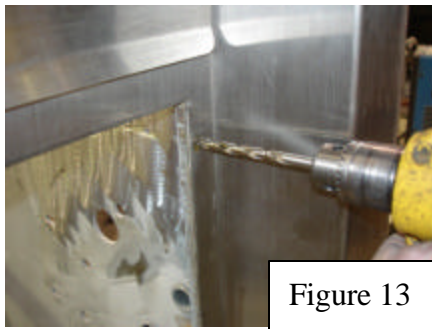


Figure 13

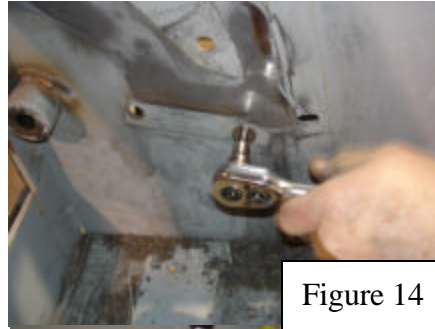


Figure 14

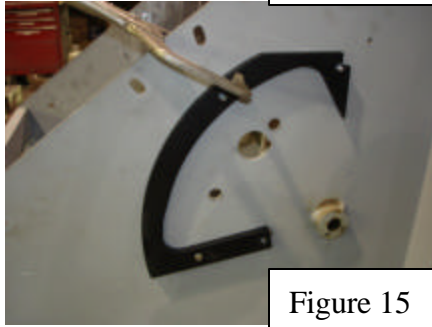


Figure 15

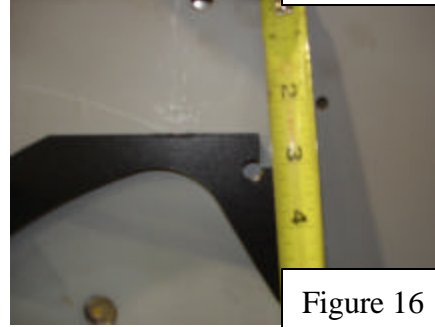


Figure 16

21. Use bolt hole (#9 figure1) and 3/8-16 Flat head bolt from inside (figure 14) to bolt B6747 1pc Gate Guide to out side of frame (figure 15) to use as template to drill new mounting holes. Set top edge at 2 1/2" from top of frame side plate and clamp to hold in place mark for holes (figure 16)

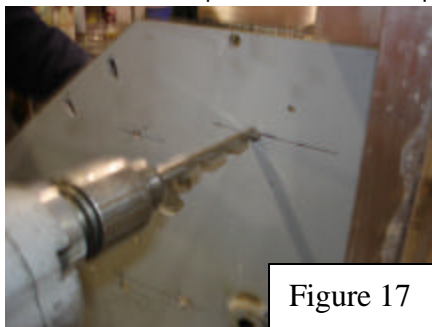


Figure 17

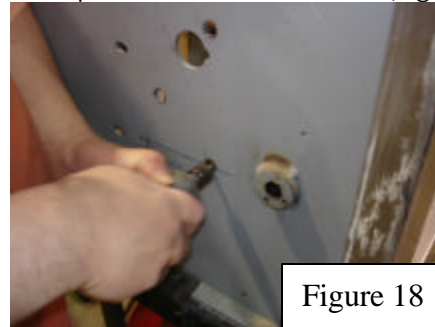
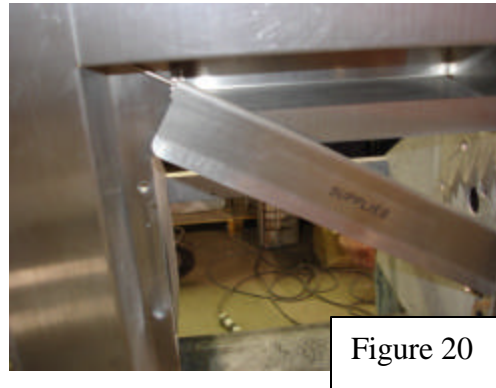
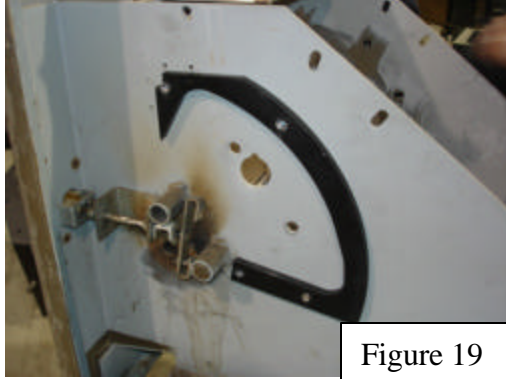


Figure 18

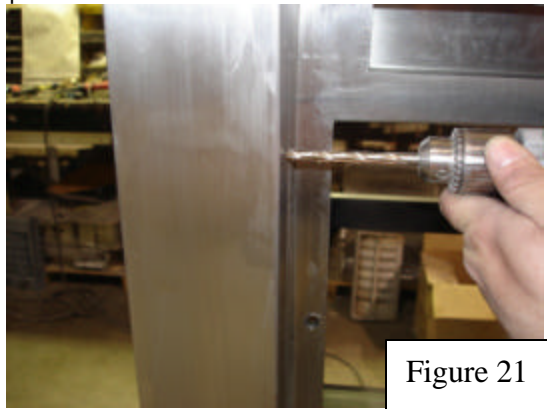
22. Remove 1pc Gate Guide and drill ½" holes where marked (figure 17)
The lower front hole will need to be elongated toward the rear of the frame until it will receive the bolts 3/8-16 x ¾ Socket FHMS (SS) (figure 18)

23. Repeat step #20, #21 and #22 on lock side (figure 19)



24. Remove Supply Flap (Discard Flap, Reuse Rod) (figure 20)

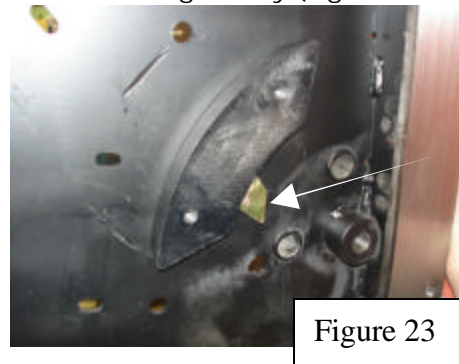
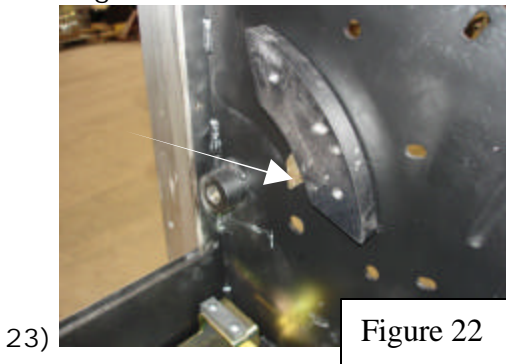
25. Use Second template to mark and drill 3/8" holes in front side SS both



sides (figure 21)

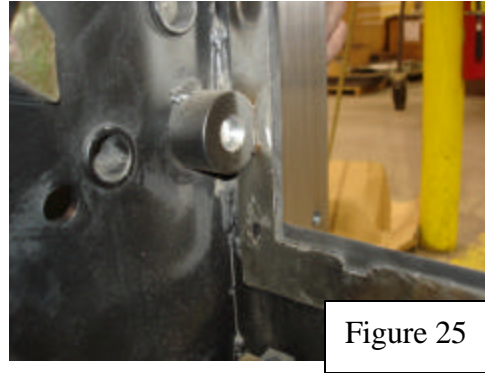
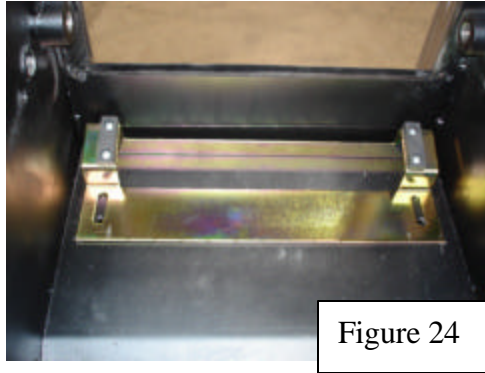
26. De-burr holes and clean frame, and apply a coat of fresh paint to help prevent rusting.

27. Install new Detent frame and lever (using holes #10 and #11 figure 1) making sure lever is in correct direction and swing freely (figure 22 and



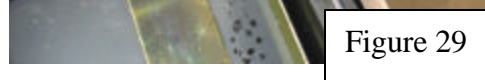
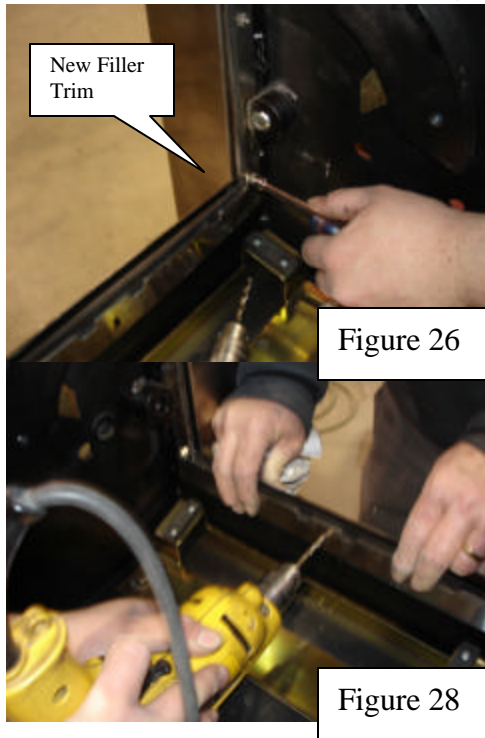
23)

28. Install new bucket rest assembly (figure 24)



29. Install new weather trim (as low as possible) (figure 25)

30. Install New Front SS Fillers (figure 26 and 27)



31. Drill # 21 and Tap Hole 10-32 for center of weather seal (figure 28)
(BE CAREFUL NOT TO DRILL THROUGH SS)

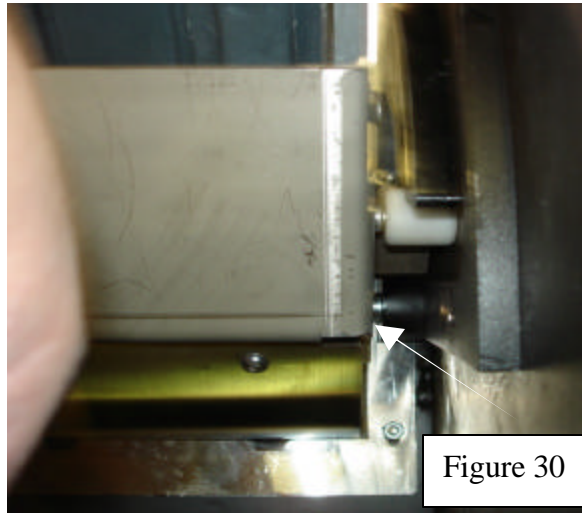
32. Attach with 10-32 x 3/8 screw (figure 29)

33. Insert Axle Pins flush to inside of hub

34. Lift Bucket assembly into frame **(BEING VERY CAREFUL NOT TO SCRATCH SS or Damage Seal)** and insert new Axle pins in both sides

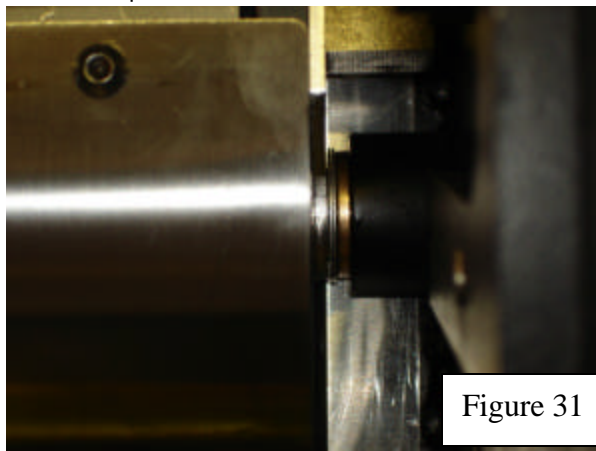
35. Check for equal gap and center accordingly and try and determine the amount of shims and spacers for each side. (However there may not be

equal amount on each side) (Figure 30) This may be easiest with bucket



partially open

36. Partially remove one Axle Pin at a time, while holding up bucket assembly, in order to insert predetermined amount of shims and



spacers (figure 31)

37. Rotate Axle Pins to line up New Axle Retainer Plates (figure 32) and



tighten.

38. It is also necessary to drill and oblong a hole in the lower lock side for the alarm wiring to exit. (Figure 33)

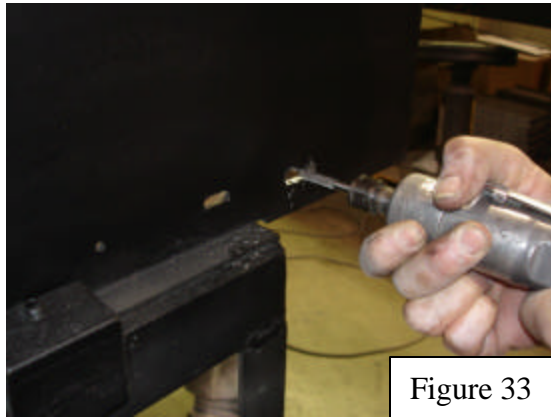


Figure 33

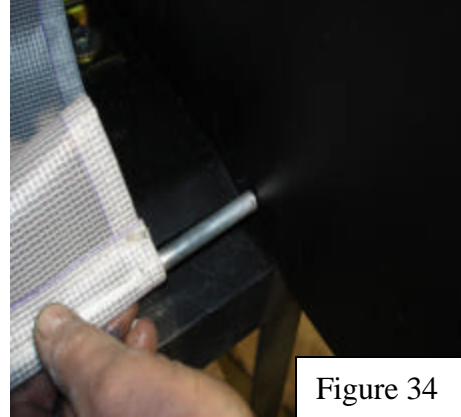


Figure 34

39. Install Diaper Rod (figure 34)

40. Drill 1/4" through Envelope Storage Box and Fillers for New Supply Flap

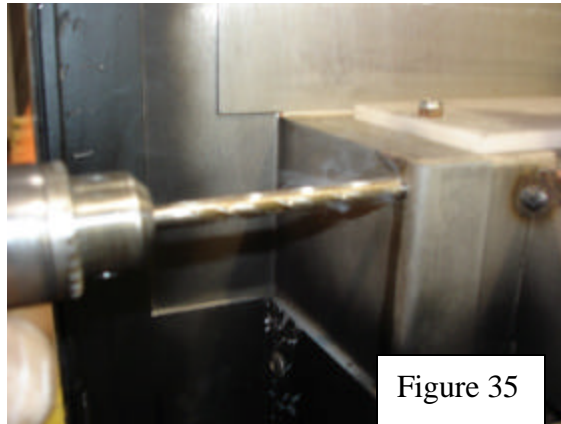


Figure 35

(figure 35)

41. Install New Supply Flap using new push on clips (figure 36 and 37)

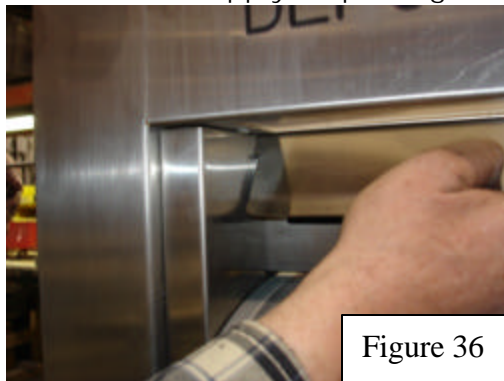


Figure 36

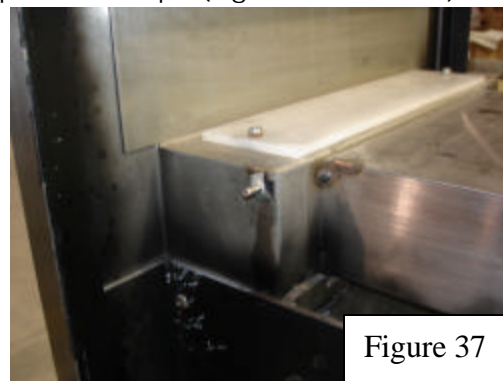
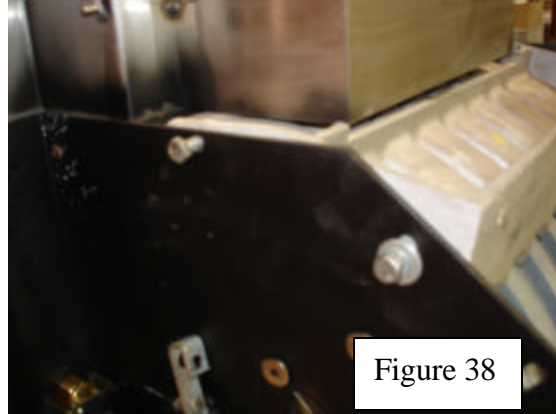
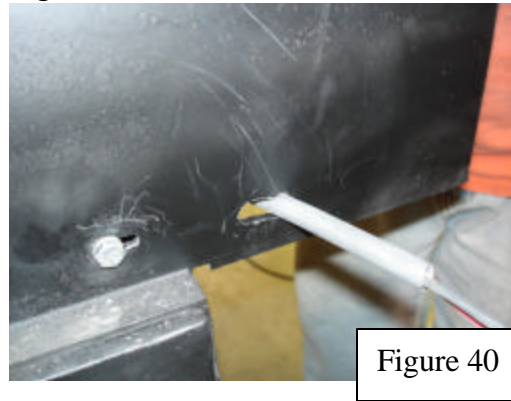
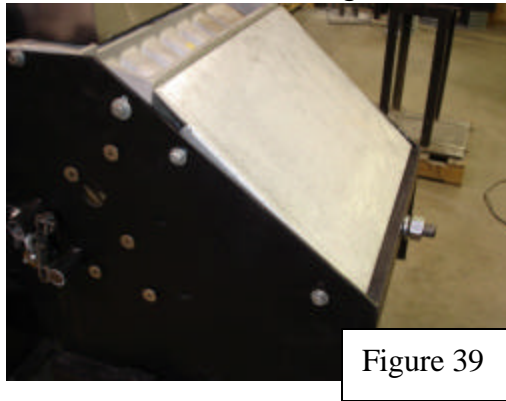


Figure 37



42. Reattach Top Casting (figure 38)

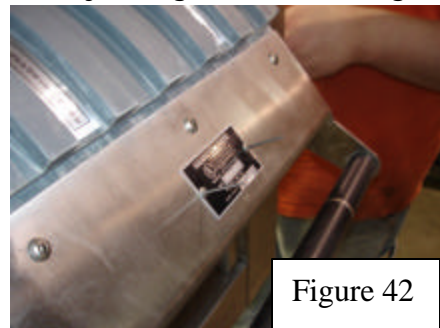
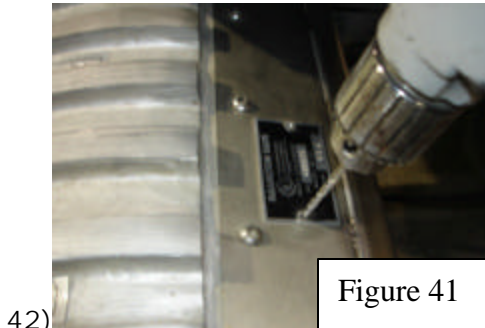
43. Reattach Inner Housing Back Cover (figure 39)



44. Route Alarm Wire through Oblong Hole created in Lower lock side (figure 40)

45. Remove UL label from Old Bucket Assembly by drilling out rivet (figure 41)

46. Reattach UL label to New Bucket Assembly using new rivets (figure 42)



42)

LIST OF PARTS INCLUDED:

A.	B8396	80UC COMPLETE BUCKET ASSEMBLY	QTY 1
B.	B2583	80UC SUPPLY FLAP	QTY 1
C.	B8388	SUPPLY FLAP ROD	QTY 1
D.	B6743	RIGHT SIDE INNER FILLER	QTY1
E.	B6744	LEFT SIDE INNER FILLER	QTY 1
F.	B6353-2	80UC RS DETENT FRAME	QTY 1
G.	B6316-2	80UC DETENT LEVER	QTY 2
H.	B6353-3	80UC LS DETENT FRAME	QTY 1
I.	B6747	1 PIECE GATE GUIDE	QTY 2
J.	B8374	BUCKET REST BRACKET	QTY 1
K.	B6322	80UC BUCKET REST BUMPER	QTY 2
L.	B6745	RETAINER, WEATHER SEAL- 80UC	QTY 1
M.	B8370	BUCKET AXLE	QTY 2
N.		BRONZE WASHERS	QTY 6
O.		SHIM ASSORTMENT	QTY 12
P.		DRILL BITS #17, 1/4", 3/8"	QTY 3
Q.		HARDWARE PACKET	QTY 1
R.		DRILL TEMPLATE	QTY 1

