

### KIT CONTENTS:

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- 1 Cover, Photoeye
- 1 Bracket, Removable, Photoeye
- 1 Operation Instructions
- 1 Jumper Wire Set
- 1 Strain Relief
- 3 Cable Tie
- 3 Male Connectors
- 6 # 8 TEK Screw
- 1 Hole Template
- 1 Photoeye

### TOOLS REQUIRED:

- 1/4" Nut Driver (Hand)
- 1/4" Nut Driver (Power)
- 3/8" Drill Motor
- 3/8" Wrench
- 1/2" Drill Bit That Fits A 3/8" Chuck
- Tape Measure
- Wire Crimper
- Pliers
- RTV Sealant, Caulking Gun
- 11/32" Nut Driver or Wrench

### INSTALLATION INSTRUCTIONS:

#### Disconnect power before servicing

1. Freestand only - Remove screws from right side and left side panels and open to access (see Fig. 1).

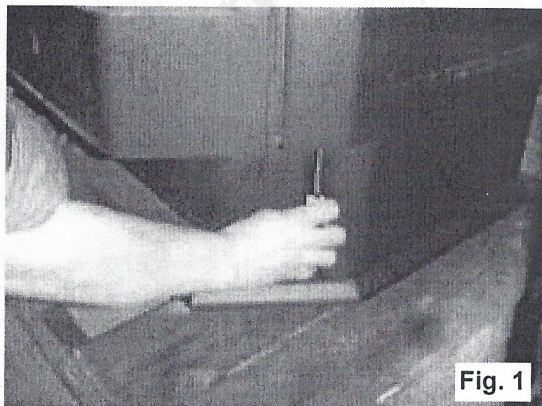


Fig. 1

2. Remove and discard auger cover (see Fig. 2).

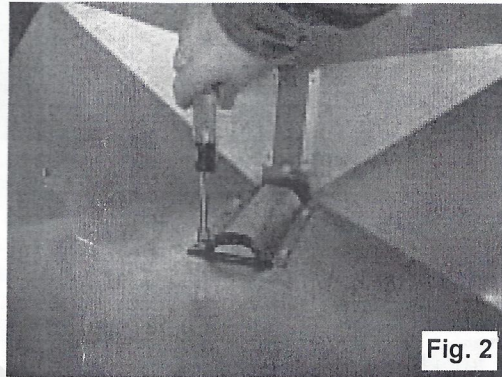


Fig. 2

3. Position the hole template as shown and mark location (see Fig. 3).

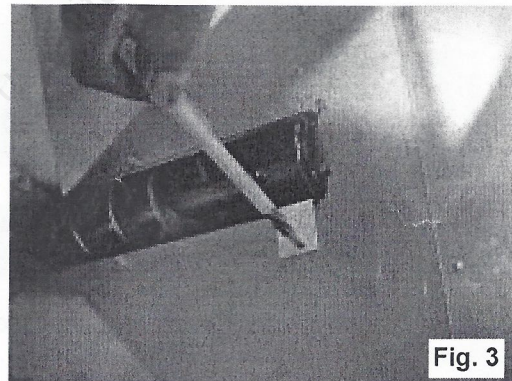


Fig. 3

4. Mark location on hopper 3/8" down and 1-1/8" over as shown (see Fig. 4).

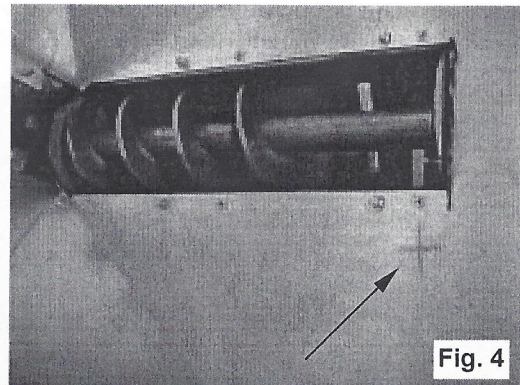


Fig. 4

5. Drill a 1/2" hole in location (Measurement must be correct to stay within the confines of the cover that will be attached later). See Fig. 5.

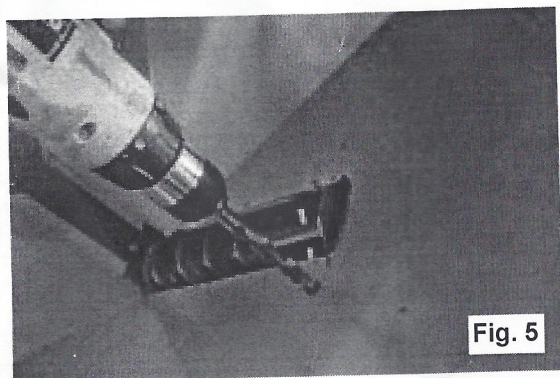


Fig. 5

6. Route Photoeye wires through 1/2" hole. Add strain relief and male connectors as shown. Make sure the male connectors have a good solid connection to the photoeye wires and that they protrude no more than 1 1/2" from the hopper (see Fig. 6).

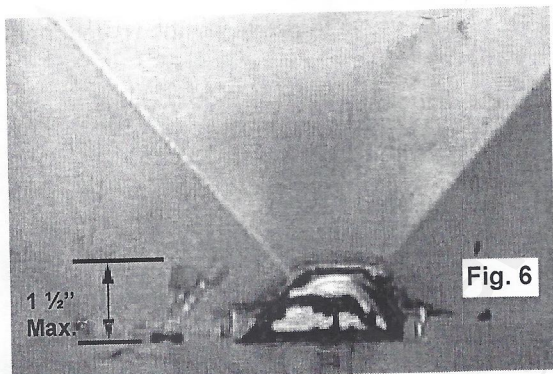


Fig. 6

7. Install new Auger Tube Cover with attached photoeye and connect photoeye wires (see Fig. 7).
8. Press photoeye wires down toward the hopper and bunch together so as not to interfere with the photoeye cover. Double check that the photoeye is looking directly through the filter into feed tube and will have a view of the burn pot (see Fig. 7).

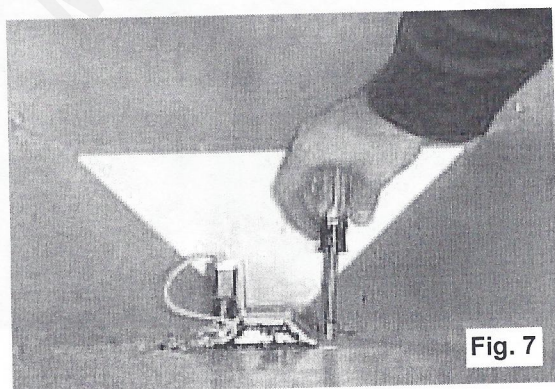


Fig. 7

9. Place the new Photoeye cover over the wires and locate the tab into the slot on the auger cover. Attach the cover to the hopper with (4) tek screws (see Fig. 8).

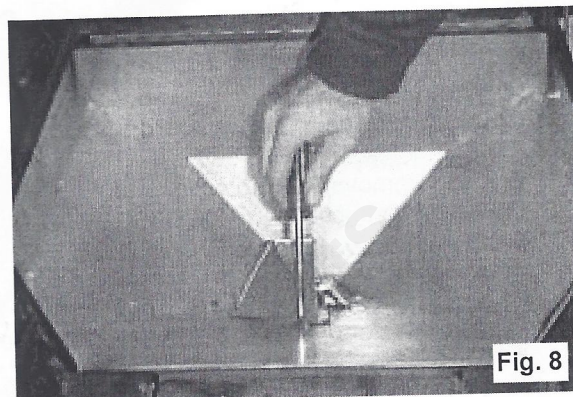


Fig. 8

10. Caulk seams so as not to allow pellet fines to enter the cover (see Fig. 9).

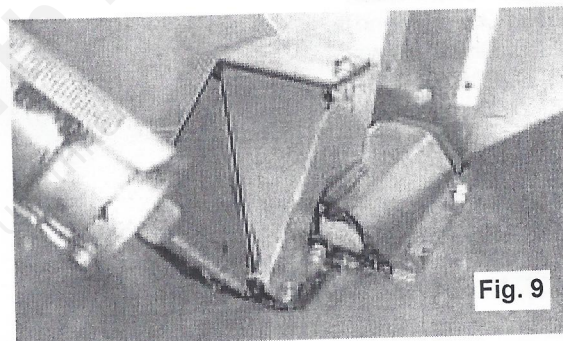


Fig. 9

11. Disconnect the original photoeye wires (see Fig. 10).

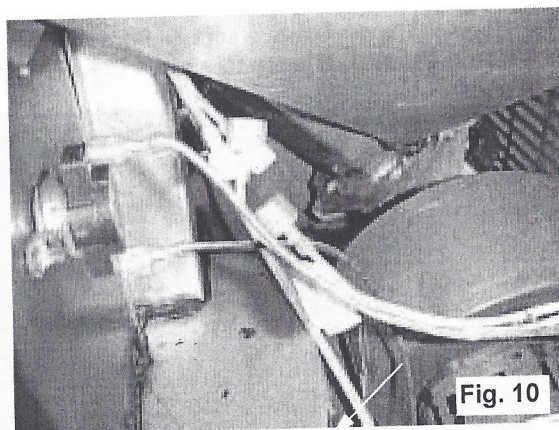
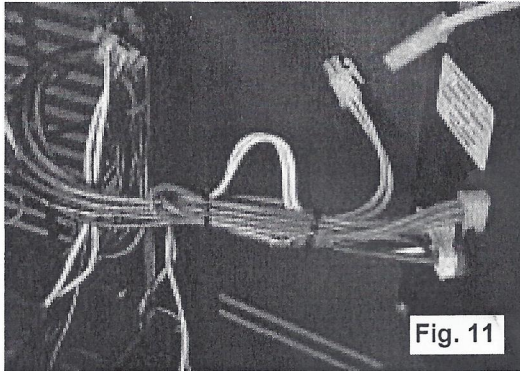
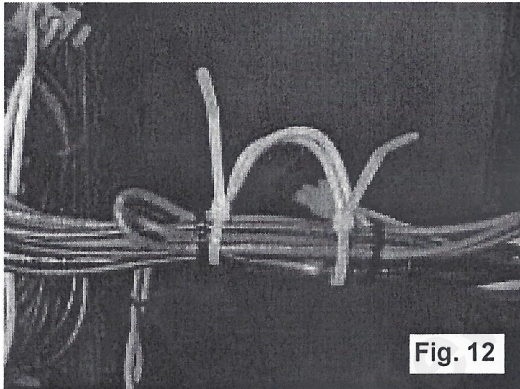


Fig. 10

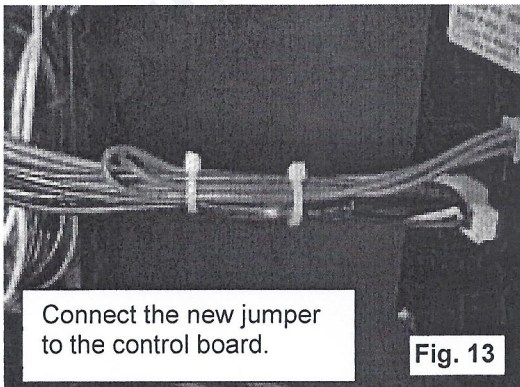
12. To remove the original photoeye jumper, disconnect from control board and get slack as shown (see Fig. 11).



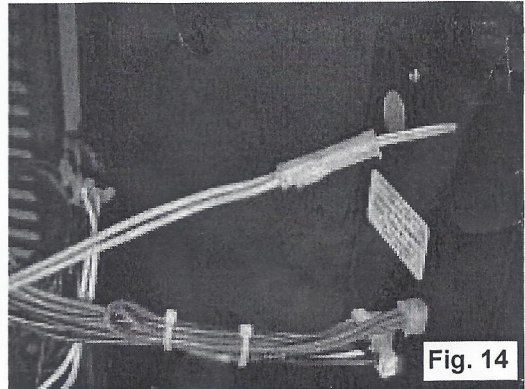
13. Install (2) cable ties as shown being careful not to tie original jumper (see Fig. 12)



14. Cut the black cable ties from the harness, being careful not to damage the wires (see Fig. 13).
15. Remove the original jumper and trim ends of the new cable ties (see Fig. 13).



16. Connect the new jumper to the control board (see Fig. 14).



17. Close and secure side panels (see Fig. 1).

18. Apply the operation instruction label to hopper lid as shown. Procedure is complete (see Fig. 15).

