



# ISHIDA OMNi-4000

## Removing Infeed & Exit Conveyors



Revised: July 2008

## OMNi-4000 Removing Infeed & Exit Conveyors

### Smallest width

1. Remove Infeed Conveyor.  
CAUTION: Infeed Conveyor is heavy.
  - a. Pull Conveyor forward to full extension.
  - b. Remove connector board cover (underside, rear, left) -- 2 screws.
  - c. Disconnect three cables: S16, X292, INFEED **[See Figure 1]**
  - d. Remove bolts mounting Conveyor to slide rails -- 4 bolts, two each rail. **[See Figure 2]**
2. Remove left, front cover -- 6 screws.
3. Remove right, front cover -- 4 screws.
4. Remove Heater Temperature Control cover -- 6 screws.
5. Remove right angle bracket securing Exit Conveyor to Heater Conveyor -- 4 bolts.
6. Remove Exit Conveyor. **[See Figure 4]**
  - a. Remove 8 bolts:
    - 3 bolts on left upright bracket.
    - 3 bolts on right upright bracket.
    - 2 on underside center.
  - b. Slide Conveyor forward off plastic drive belt.
7. Remove Heater Conveyor plastic cover -- 2 screws.  
(Note: keep these screws separated - they are longer than standard)
8. Remove stainless cover above and behind Heater Conveyor -- 2 screws.
9. Loosen Heater Conveyor drive chain tension.
  - a. Loosen motor mounts -- 4 bolts. **[See Figure 5]**
  - b. Raise motor and remove chain from motor sprocket.
10. Disconnect Heater Conveyor control cables.
  - a. J5B from P-858B board. **[See Figure 6]**
  - b. HTCLT in-line connector.
11. Remove Heater Conveyor.
  - a. Remove 4 bolts securing Heater Conveyor to Heater Temperature Control assembly. **[See Figure 7]**
  - b. Slide Heater Conveyor forward approximately one inch.
  - c. Remove 2 bolts passing through frame and securing horizontal mounting bracket. **[See Figure 8]**
  - d. Remove 2 bolts securing vertical mounting bracket to frame. **[See Figure 9]**
  - e. Tip bottom of Heater Conveyor assembly forward and remove downward.
12. Remove Touchscreen Console.
  - a. Remove Touchscreen plastic rear connector cover -- 2 screws.
  - b. Disconnect data cable. **[See Figure 10]**
  - c. Move top, right Film Loading door -- remove 4 screws, two each hinge. **[See Figure 11]**
  - d. Remove Touchscreen Console mounting bracket cover -- 3 screws.
  - e. Remove Touchscreen Console and mounting bracket -- 4 bolts.
13. Detach Emergency Stop Switch housing.
  - a. Remove left side printer cover -- 7 screws.
  - b. Loosen Emergency Stop Switch housing -- 4 screws. **[See Figure 12]**

### Reassembly

14. Attach Emergency Stop Switch housing.
  - a. Mount Emergency Stop Switch housing -- 4 screws.
  - b. Install left side printer cover -- 7 screws.
15. Install Touchscreen console.
  - a. Mount Touchscreen Console bracket -- 4 bolts.
  - b. Install Touchscreen Console bracket cover -- 3 screws.
  - c. Install top, right Film Loading door -- 4 screws, two each hinge.
  - d. Connect Touchscreen data cable.
  - e. Install Touchscreen plastic rear connector cover -- 2 screws.

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16. Install Heater Conveyor.
  - a. Secure horizontal mounting bracket -- 2 bolts passing through frame.
  - b. Secure vertical mounting bracket to frame -- 2 bolts.
  - c. Fasten Heater Conveyor to Heater Temperature Control assembly -- 4 bolts.
17. Connect Heater Conveyor control cables.
  - a. J5B to P-858B board.
  - b. HTCLT in-line connector.
18. Tighten Heater Conveyor drive chain.
  - a. Secure chain over drive motor sprocket.
  - b. Slide motor down to tension chain keeping motor square, i.e. adjustment slots evenly spaced.
  - c. Tighten motor mounts -- 4 bolts.
19. Install stainless cover behind Heater Conveyor -- 2 screws.
20. Install Heater Conveyor plastic cover -- 2 long screws.  
Caution: DO NOT over tighten which will damage plastic cover.
21. Install Exit Conveyor -- 8 bolts.
  - a. Left and right side upright brackets -- 3 bolts each side.
  - b. Underside center -- 2 bolts.
22. Install Exit Conveyor plastic drive belt.
  - a. Thread belt over Exit Conveyor gear.
  - b. Thread belt over two guide rollers.
  - c. Slide belt over Exit Conveyor drive motor gear.
23. Install right angle bracket securing Exit Conveyor to Heater Conveyor -- 4 bolts.
24. Install Heater Temperature Control cover -- 6 screws.
25. Install right, front cover -- 4 screws.
26. Install left, front cover -- 6 screws.
27. Install Infeed Conveyor
  - a. Thread four mounting bolts finger-tight.
  - b. Slide Conveyor fully into normal operating position.
  - c. Slide Conveyor in and out several times to ensure proper alignment.
  - d. Tighten four mounting bolts.
  - e. Reconnect cables.
  - f. Install cover securing ground wire with one cover screw.

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

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