



ISHIDA OMNi-4000

Removing Infeed & Exit Conveyors



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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 found at <http://the-checkout-tech.com/estore/catalog/>

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