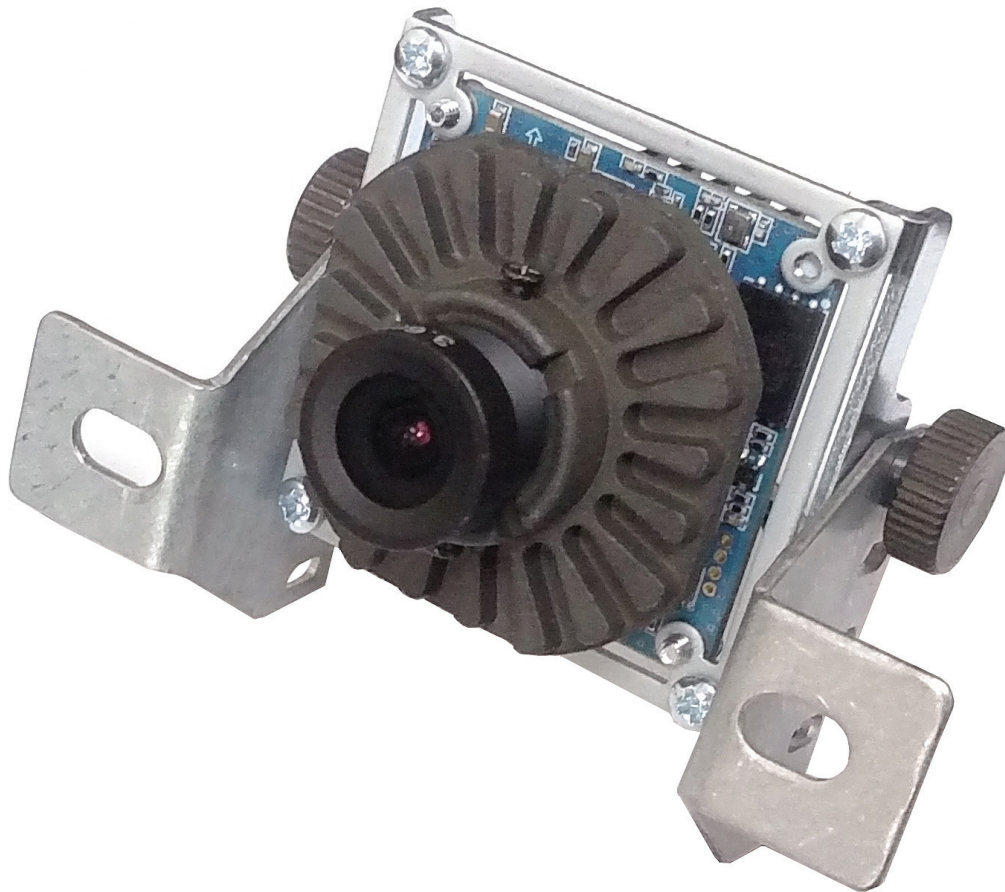




ARGO IP CAMERA Installations



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REVISION HISTORY

Document/Revision	Date	ECO	Description
07103-00255	Original: 4/27/2021	1032877	IP Digital Camera
Rev. A	1/6/2022		Added more images, details, and Kit parts

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PURPOSE

This guide covers configuration information for ARGO 7, 12, 15, and FT ATMs.

SCOPE

This manual applies to all service personnel involved in installing, configuring, or upgrading components on Triton ATMs nationwide and abroad.

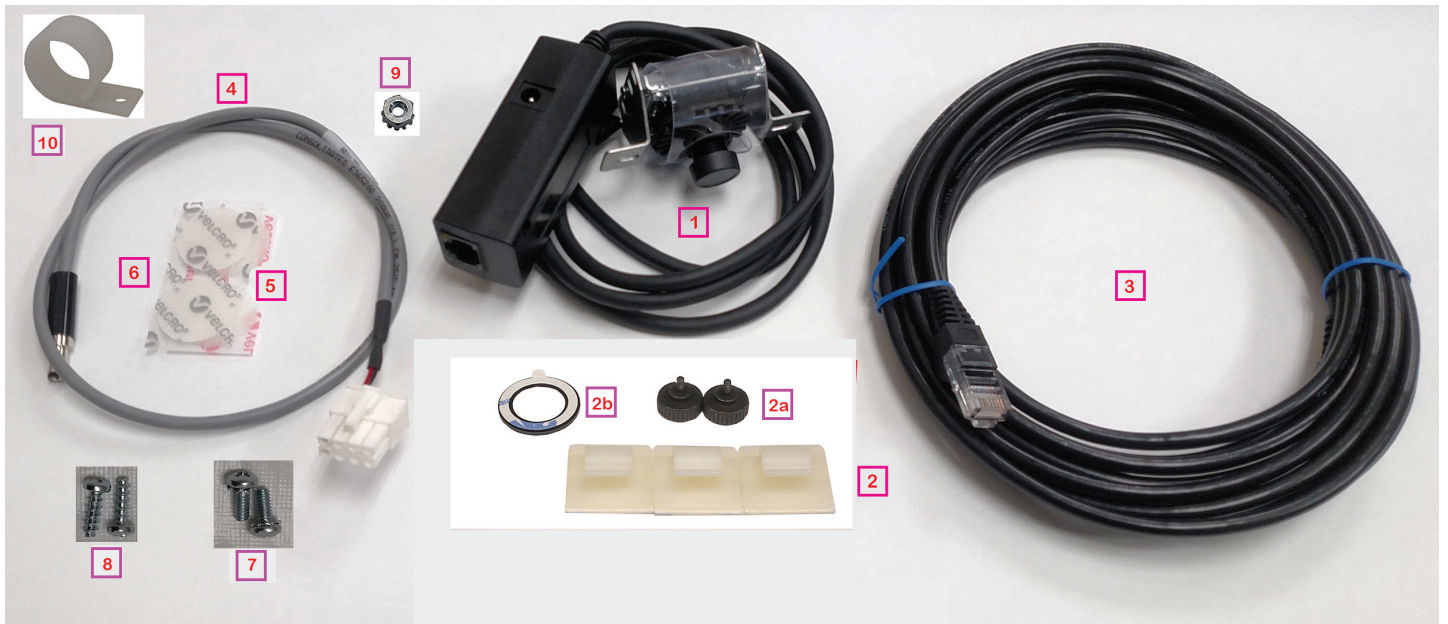
APPLICATION

This configuration guide provides information and easy-to-follow instructions for the ARGO IP Camera basic settings and operations.

TOOLS REQUIRED	<ul style="list-style-type: none"> • #2 Phillips head screwdriver • #1 Phillips head screwdriver • 7/16" open/closed box end wrench 	<ul style="list-style-type: none"> • 11/32" hollow nut driver, 11/32" socket • Wire Cutters
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Kit P/N 06200-00450	ARGO/ARGO FT IP Camera Installation Kit
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Parts Supplied		
	Description	Quantity
1	ARGO/ARGO FT IP Camera with 2 L-brackets and data/power cable attached	1
2	Cable Clip Anchors	3
2a	Camera bracket thumb screws	2
2b	Camera Window	1
3	Ethernet Cable 13.8 ft	1
4	+12V DC power cable, 8-pin to 2.1 mm ID female plug 5.5 mm OD, 24 in.	1
5	Velcro loop-side round dot, 7/8 diameter, white	2
6	Velcro hook-side round dot, 7/8 diameter, white	2
7	ARGO FT Only, Machine Screw #8-32 3/8 Inch Pan Phil Head w/Ext Tooth Wash	2
8	ARGO 7, 12, 15, Screw 4mm x 12mm Self-Tapping Plastic Pan Head	2
9	Nut #8-32 Hex Nut Ext. Tooth Washer	1
10	Cable Clip 3/4" Round Screw-In Quick Release	1



Select the section and step with your current ATM and Camera combination.

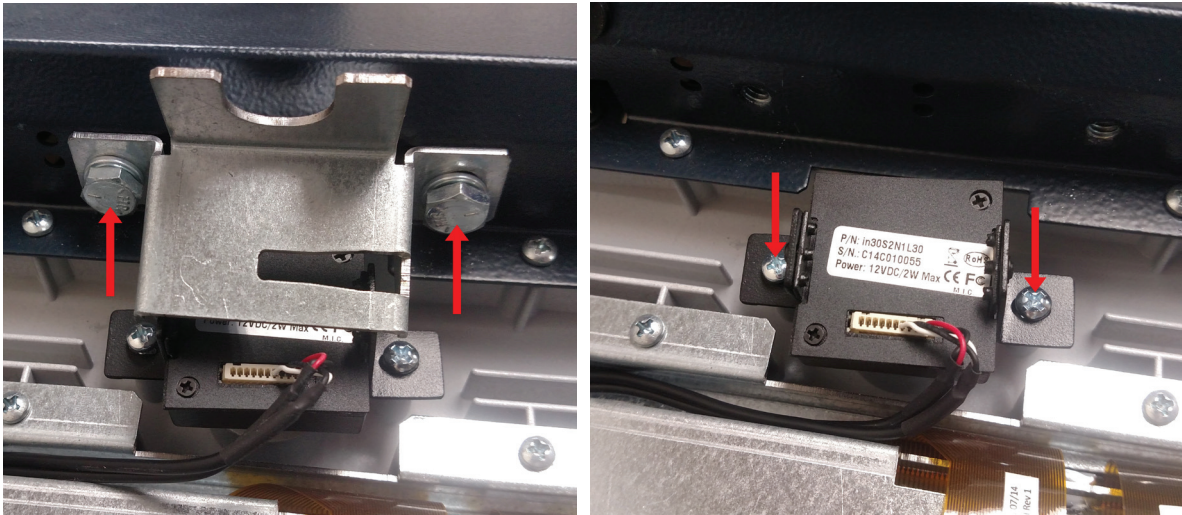
- **Section 1, ARGO-7, -12, -15 with camera installed, go to step-1.**
- **Section 1, ARGO-7, -12, -15 without camera installed, go to step-9.**
- **Section 2, ARGO-FT with camera installed, go to step-38.**
- **Section 2, ARGO-FT without camera installed, go to step-48.**

SECTION 1, ARGO-7, -12, -15 WITH CAMERA INSTALLED

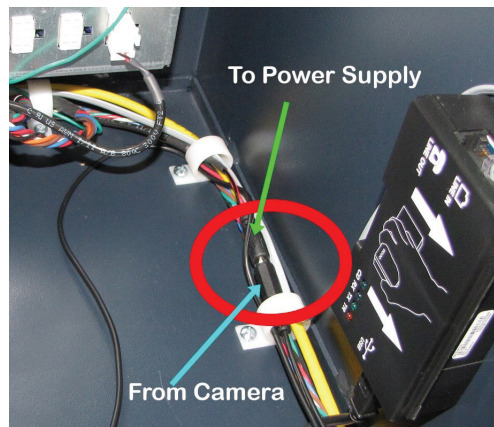
NOTE

Before starting the camera installation, perform proper shut down of the unit and disconnect the input power cord from the power supply.

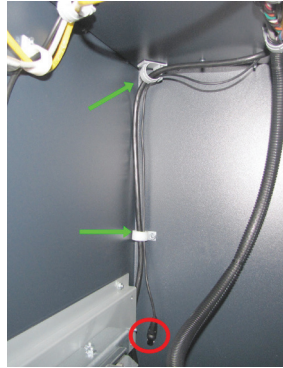
1. Open the front control panel.
2. Use the 7/16" open/closed box wrench to remove the two bolts holding the bracket, **Left Image**. Retain the latch bracket, bolts and washers for step 35. Use #2 Philip screwdriver to remove the two screws holding the analog camera to the fascia, **Right Image**. Carefully remove the video/power cable from the ty-wrap/clip block and wiring harness.



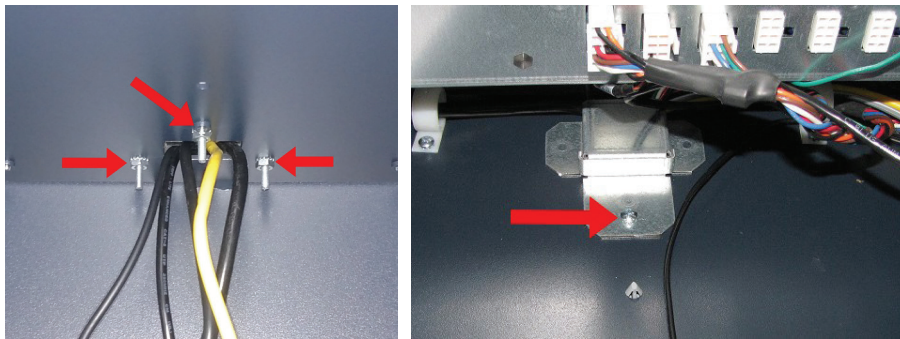
3. Disconnect the camera's in-line barrel connector, **Red Circle**, from the +12 VDC power cable. May leave cable to power supply in unit as is, since new cable in kit is same type, or disconnect power cable, **Green arrow**, from the power supply and remove from cabinet.



4. Open the lower cabinet's vault door. Refer to the units user manual for procedures for removing the dispenser.
5. Disconnect the video cable, **Red** circle from the external video cable. Remove video cable from the cable clamps, **Green** arrows.



6. Remove the cable cover under the power supply by first removing the 3 nuts inside the vault, **Red** arrows *Left Image*, with a 11/32" hollow nut driver. Remove the top screw, *Right Image*. Retain the bracket, nuts, and screw for step 32.



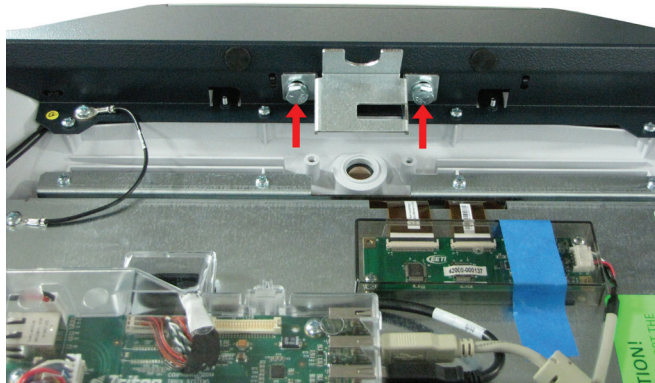
7. Pull the video cable out of cabinet hole. Set Camera with video power aside.
8. Continue to Step 11.

SECTION-1, ARGO-7, -12, -15 WITHOUT CAMERA INSTALLED

NOTE

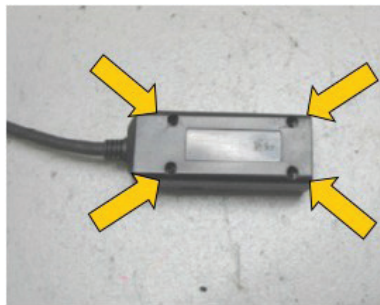
Before starting the camera installation, perform proper shut down of the unit and disconnect the input power cord from the power supply.

9. Open the front control panel.
10. Use the 7/16" open/close box wrench to remove the two bolts holding the bracket. Retain the latch bracket and bolts for step 35.



CAMERA INSTALLATION

11. Obtain the ARGO IP Camera, **Item-1**, Velcro Loop **Item-5**, and Velcro Hook **Item-6**, from the kit.
12. Turn the Camera Dongle, so the four screw openings are visible.



13. Remove the backing from the Loop Velcro (Red Printing) and attach them as shown in **Left Image**.
14. Attach the two Hook Velcro (Black Printing) pieces to the Loop Velcro as shown in **Right Image**. Do not remove the backing.

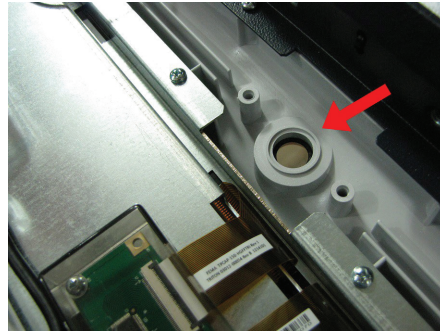


Item-5

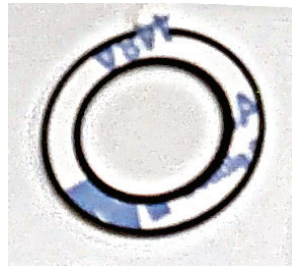


Item-6

15. Remove the camera window from the control panel by pushing from the back until it pops out the front.



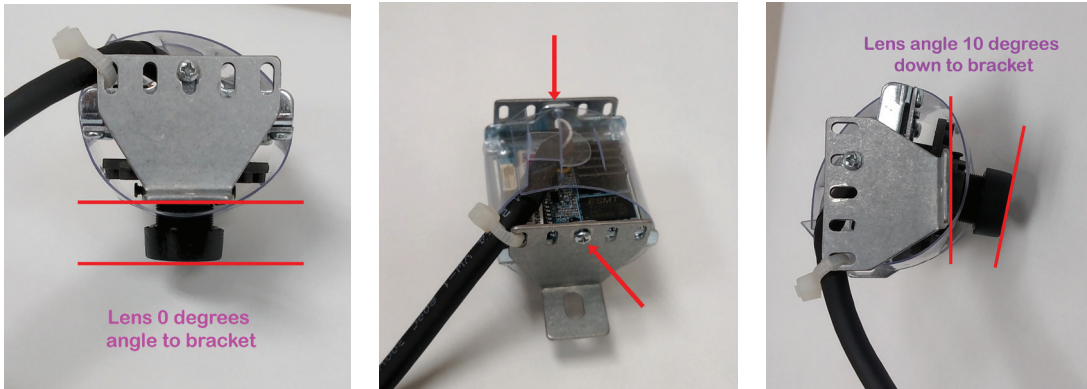
16. Obtain the camera window, **Item 2a**, from the kit. Peel the white ring paper off the back of the window.



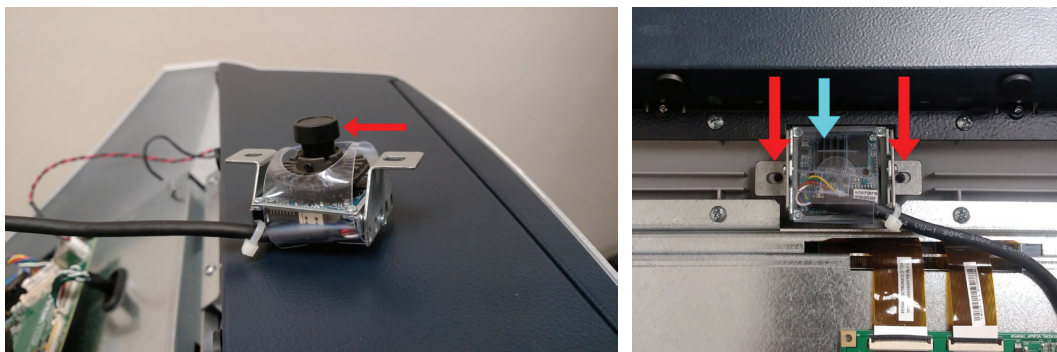
17. Remove the protective film, **Left Image**. Carefully insert the window into the hole from the front. Make sure the sticky side is towards the inside, **Right Image**.



18. The default camera lens positions shown in *Left Image*. If the angle of the camera lens needs to be changed, use the #1 Phillips screw driver to remove the bracket screws, *Center Image*. Connect the screw in an alternative bracket hole and secure to camera, *Right Image*.

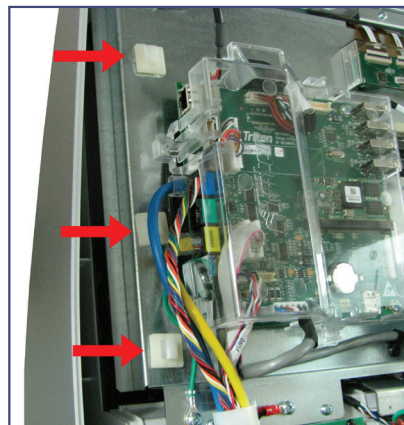


19. Remove the lens cover by lifting it straight off. *Left Image*. May need to loosen the bracket screws.
 20. From inside the ATM panel, *Right Image*, insert the camera with the lens fitting into the hole. Make sure the circuit board heat sink, **Blue** Arrow, is on top with the connected cable on bottom. Secure camera to the panel with the 2 screws, **Item-9**, **Red** Arrows. Tighten the bracket screws, if loosened.

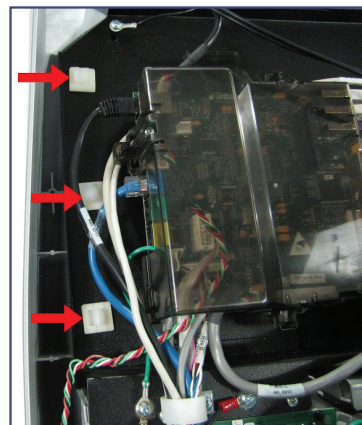


NOTE: For ARGO 12s with X3 continue to next step. ARGO 12s with X2 skip to step 23.

21. Obtain the adhesive tie down blocks, **Item 2c**. Triton Recommends using alcohol wipes to clean the metal surface. Peel the paper from the back of the blocks and place them along the left side of the panel with the clip facing out as shown.

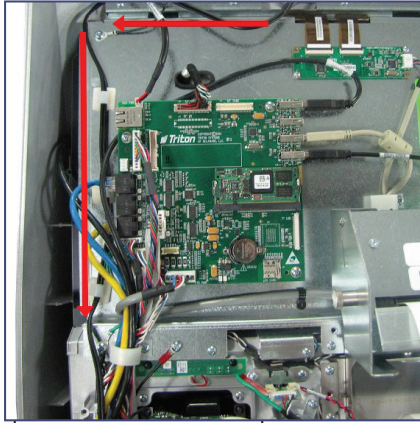


ARGO 12 & ARGO 15

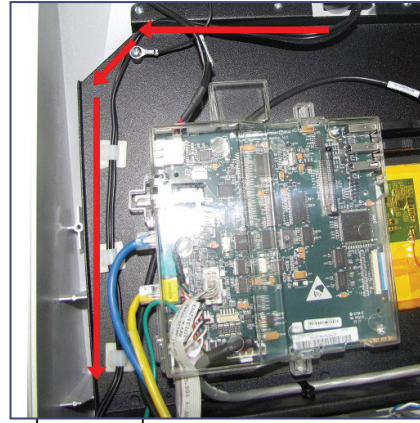


ARGO 7

22. Route the camera video/power cable behind the sign power cable and ground wire in the top left corner and clip the cable to the adhesive cable clip blocks. Skip to step 25.

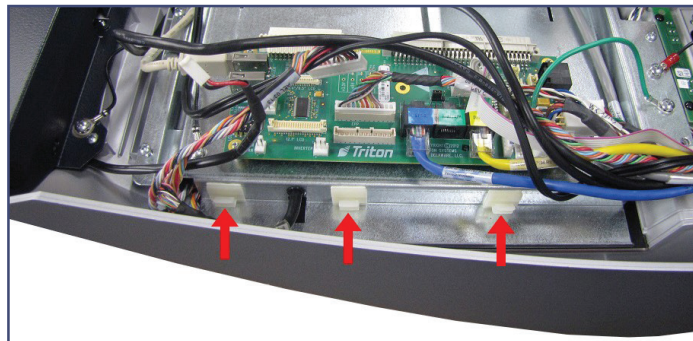


ARGO 12 & ARGO 15



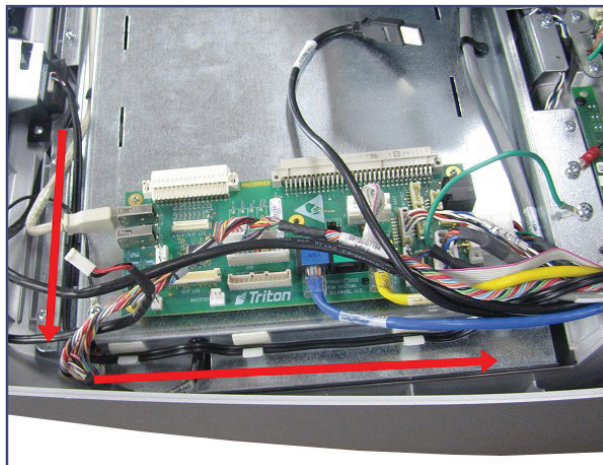
ARGO 7

23. For ARGO 12 with X2 only. Obtain the adhesive tie down blocks, Item 2c. Triton Recommends using alcohol wipes to clean the metal surface. Peel the paper from the back of the blocks and place them along the left side of the panel as shown.



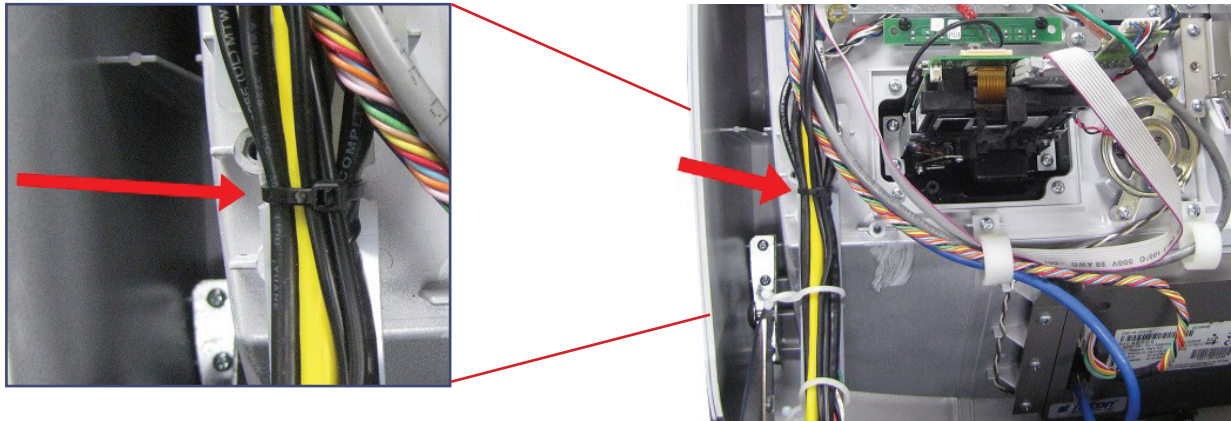
ARGO 12

24. Route the camera video/power cable behind the sign power cable and ground wire in the top left corner and clip the cable to the adhesive cable clip blocks.

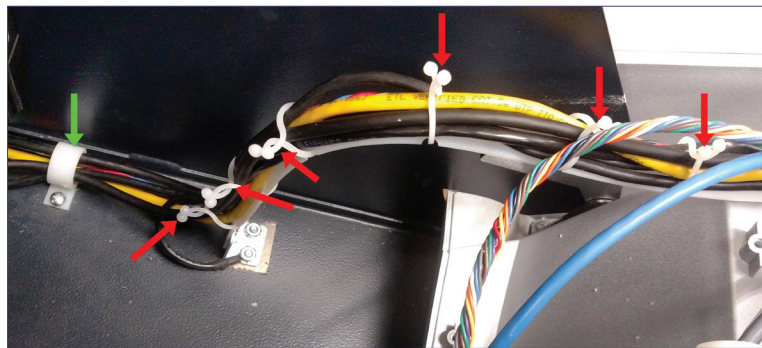


ARGO 12

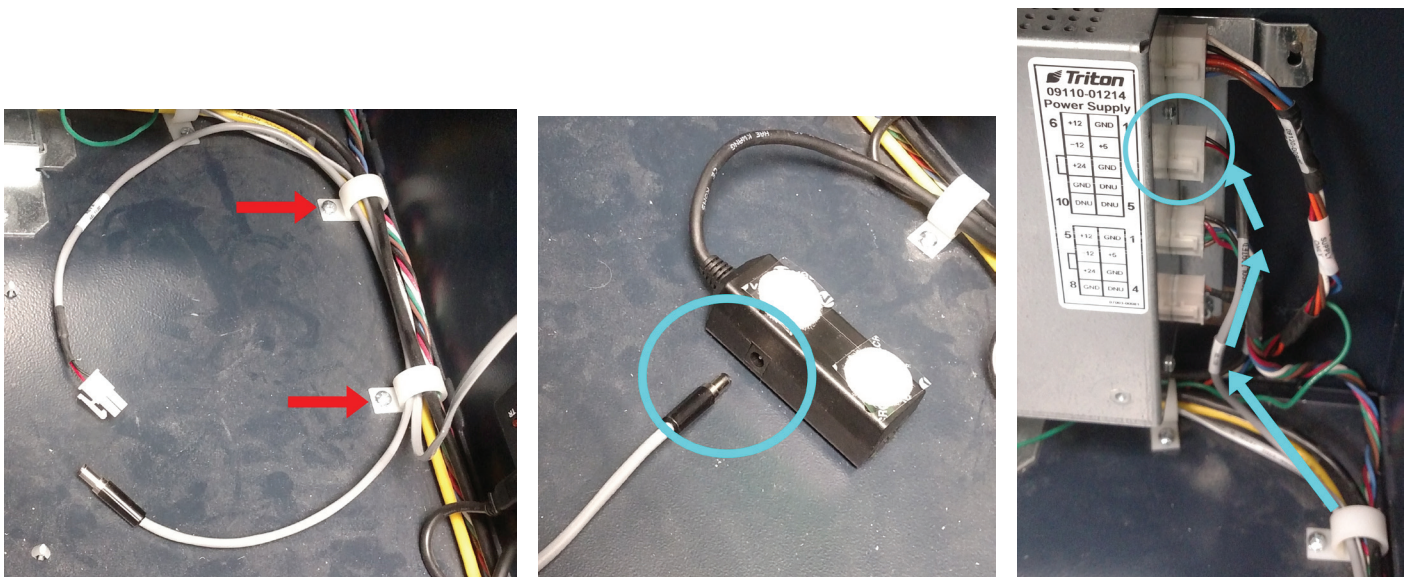
25. Cut the Ty-Wrap from the cables. Route the camera video/power cable along the other cables. Ty-Wrap, **Item-7**, with the other cables.



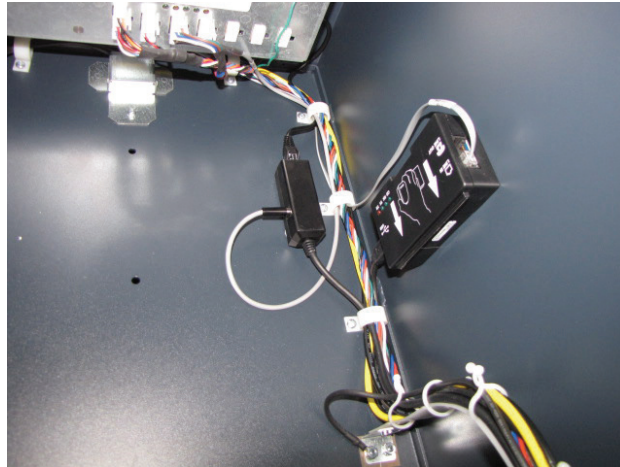
26. Twist open the six white cable twist. Route the camera video/power cable along the other cables and re-twist cable twist close. Push the cable from the screw side under the cable clip, **GREEN** arrow.



27. If old power cable removed, route the new Camera +12 VDC Power cable, **Item-4**, by pushing the cable from the screw side under the cable clip, **Left Image**. Connect the 2.1 mm ID plug into the power port on the Camera Dongle, **Center Image**. Connect the 8-pin connector to an available power supply port, **Right Image**.



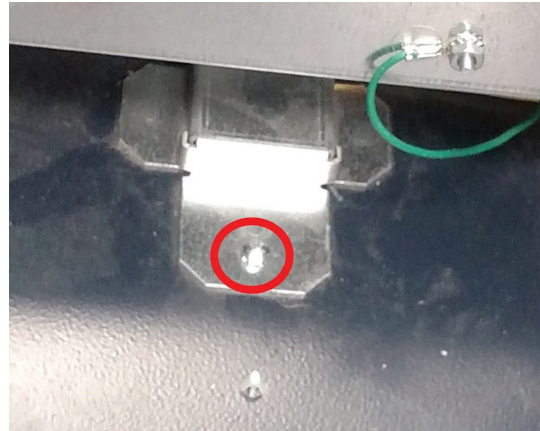
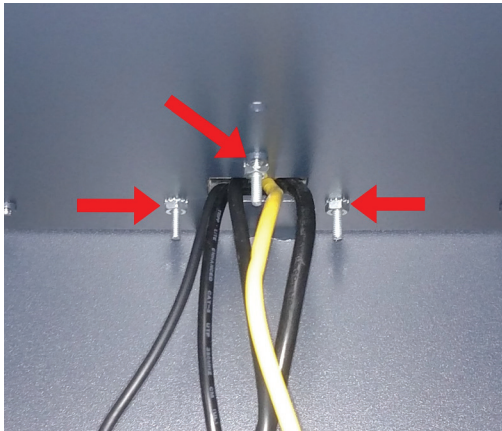
28. Use Alcohol wipes to clean the spot on the floor where the Dongle will locate. Remove the film from the Velcro dots on the Dongle. Position the Dongle, so the power cable is loose. Press dongle firmly against the cabinet floor.



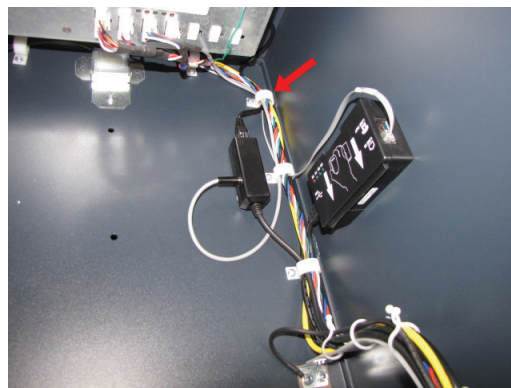
29. Insert the 8-pin box connector on the +12 VDC Power cable into an available power supply port.

30. Remove the Ethernet Cable, **Item-3**, from the kit. Feed the cable through the Secure cable cover under the power supply.

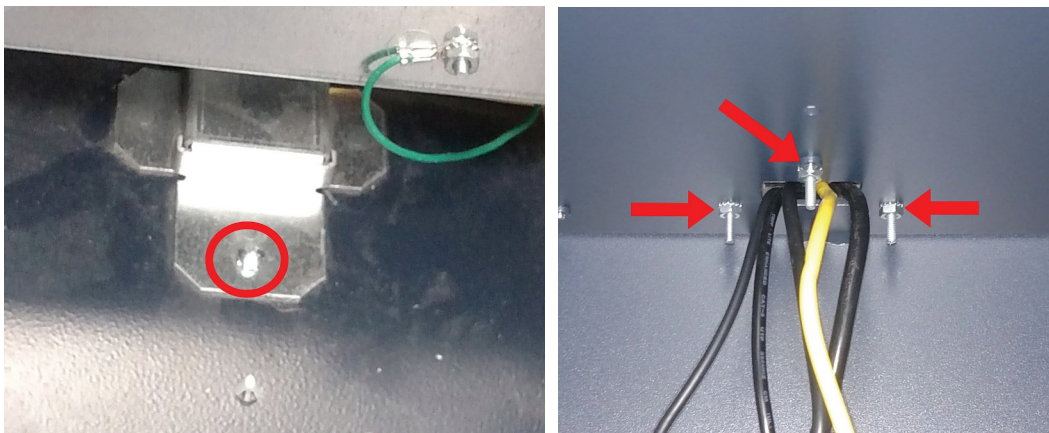
- If the cable cover is not removed, open the vault. Remove the dispenser. Remove and set aside the three nuts securing the cable cover, **Left Image**. In the top, remove and set aside the one screw, **Right Image**.



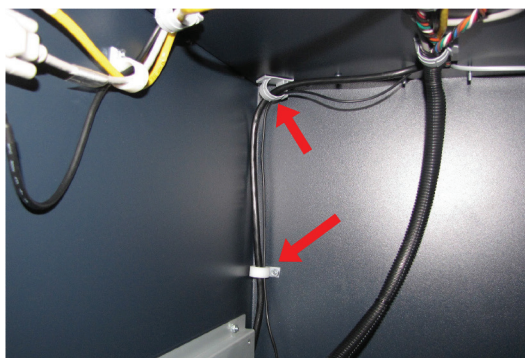
31. Feed the Ethernet Cable, **Item-4**, through the cable opening. Push the cable from the screw side under the cable clip, **RED** arrow. Leave enough cable to connect to the Camera Dongle. Connect other end of the Ethernet cable to the local network.



32. Place cable cover over cables leading into lower cabinet. Verify no cables get pinched. Secure cover with screw, **Left Image**. Secure the cover from below with the three nuts removed from step 6 or 30, **Right Image**.



33. Inside the cabinet, route the Ethernet cable to the left and down through the two clips RED arrows. Route the cable to the ATM opening and connect to local network.



34. Re-install the dispenser into the vault.
35. Install the latch bracket removed from step 2 or 10. Use the 7/16" open/closed box wrench to install the two bolts with locking washer through the bracket and into the Fascia. Check bracket installation by closing the Fascia and verifying the lock operates properly.



36. Remove all tools and excess parts. Power up the ATM. Set the ATM for normal operations.
37. Follow the procedure in the ARGO IP Camera User Manual, 07103-00455, to setup the Camera.

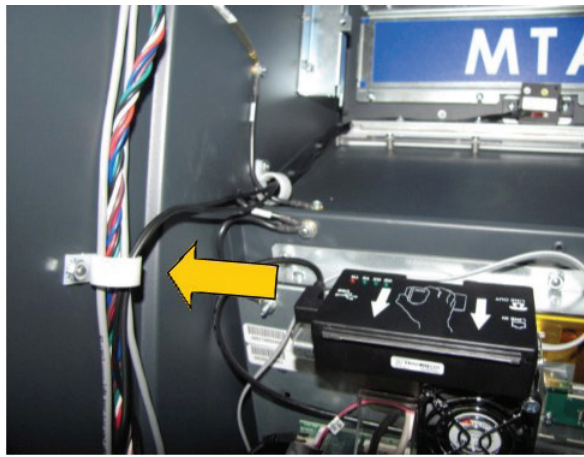
SECTION-2

ARGO-FT WITH A CAMERA INSTALLED

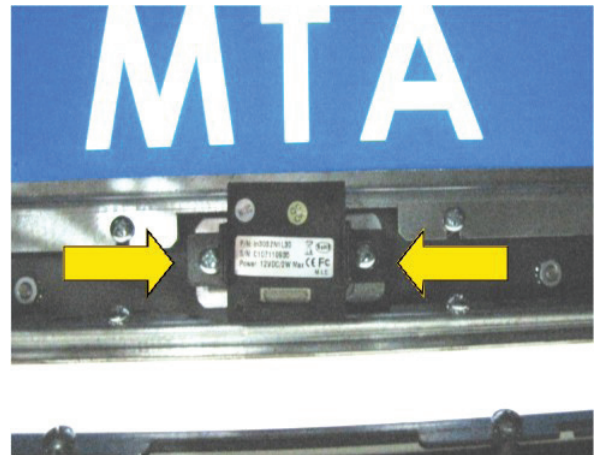
NOTE

Before starting the camera installation, perform proper shut down of the unit and disconnect the input power cord from the power supply.

38. Open the lower cabinet's vault door. Refer to the units user manual for procedures for removing the dispenser.
39. Disconnect the camera video cable from the external video cable. Remove the external cable.
40. Remove the video cable from the clamps. Pull cable into upper cabinet.
41. Locate the power in-line barrel cable and disconnect, *Left Image*. May leave power cable installed for the IP camera, or remove power cable from clamps and disconnect from power supply. A new power cable comes with the camera kit.
42. Disconnect the power/video cable from two or three clamps leading to the camera, *Right Image*.

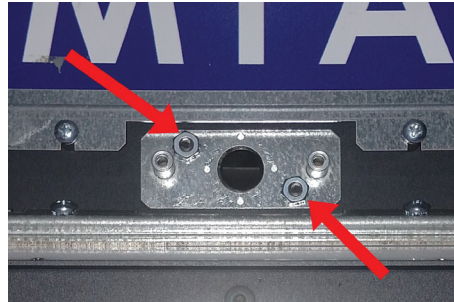


43. Remove the two screws on the Signage light cover, **RED circles**, *Left Image*. Lift cover until it clicks to the cabinet top. Remove the two screws holding the camera, *Right Image*. Remove camera and power/video cable from ATM.

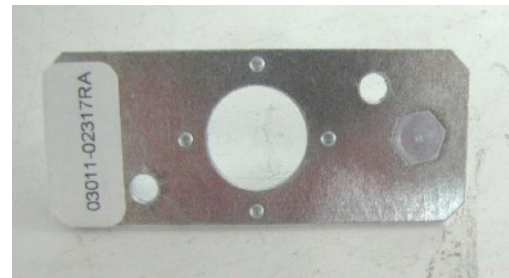
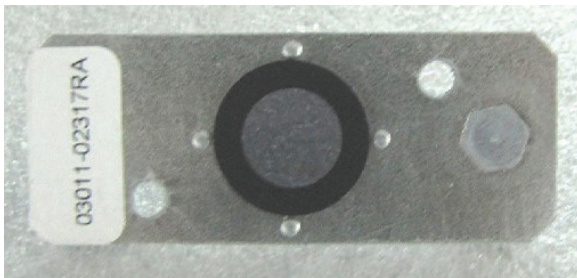


44. If the camera window in the ATM is clear and not scratched, continue to step 54.

45. Use 11/32" nut driver to remove the two nuts from the camera bracket. Save the nuts for step-53. Remove bracket from unit.



46. Remove the camera window cover from back of the bracket, *Left Image*. Bracket without the cover, *Right Image*.



47. Continue to step 52.

SECTION-2 ARGO-FT WITHOUT A CAMERA INSTALLED

NOTE

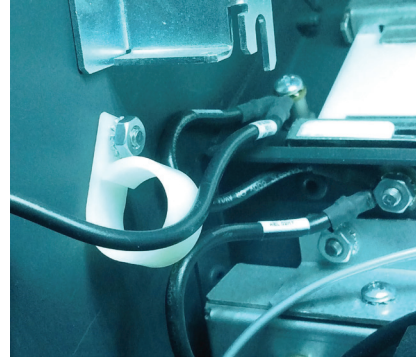
Before starting the camera installation, perform proper shut down of the unit and disconnect the input power cord from the power supply.

48. Open the upper cabinet's control panel door.

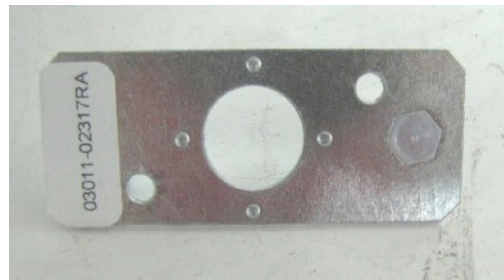
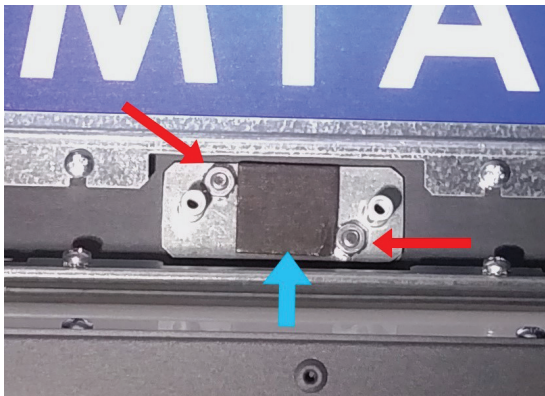
49. Remove the two screws on the Signage light cover, **RED circles**. Lift cover until it clicks to the cabinet top.



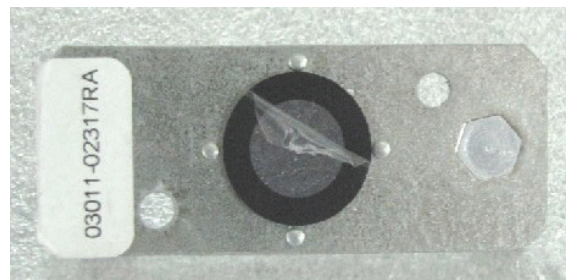
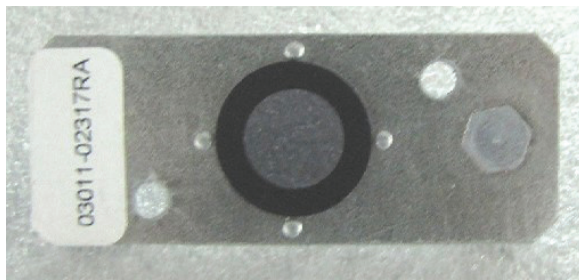
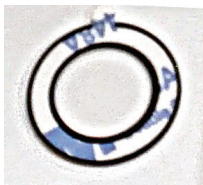
50. Locate screw post on left side of cabinet, *Left Image*. Secure Cable clip, *Item-11*, to post using *Item-10* nut, with 11/32" nut driver or 11/32" socket, *Right Image*.



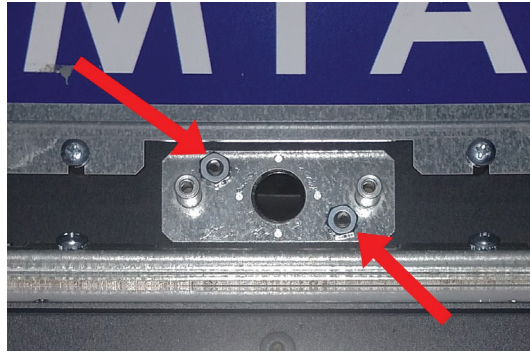
51. Use 11/32" nut driver to remove and save the two nuts for step-53, **Red** arrows, from the camera bracket. Remove bracket from unit. Remove the cover over the hole, **Blue** arrow. Remove the smoked window from the bracket.



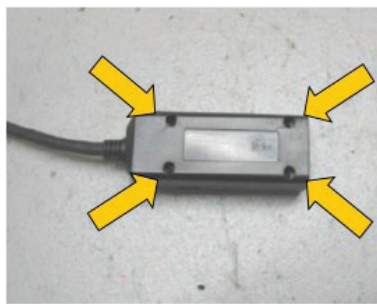
52. Obtain the Camera Window, *Item 2a*, from the kit. Peel the white ring paper off the back, *Left Image*. Attach camera window to the bracket *Center Image*. Peel the protective coating off the front of the window, *Right Image*.



53. Attach the bracket to the front of the cabinet with two nuts removed from step 45 or 51. Use 11/32” nut driver to snug-tight the nuts.



54. Obtain the ARGO IP Camera, **Item-1**, Velcro Loop **Item-5**, and Velcro Hook **Item-6**, from the kit.
55. Turn the Camera Dongle so that the four screw openings are visible.



56. Remove the backing from the Loop Velcro (Red Printing) and attach them as shown in **Left Image**.
57. Do not remove the backing. Attach the two Hook Velcro (Black Printing) pieces to the Loop Velcro as shown in **Center Image**. Carefully remove the lens cap, **Right Image**.



Item-5



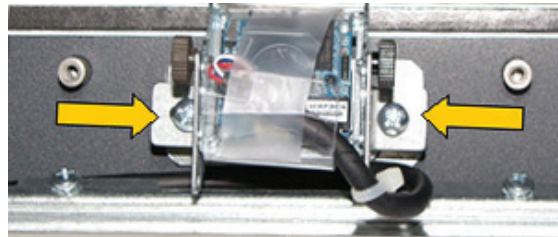
Item-6



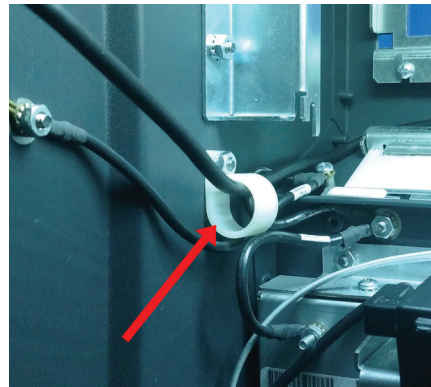
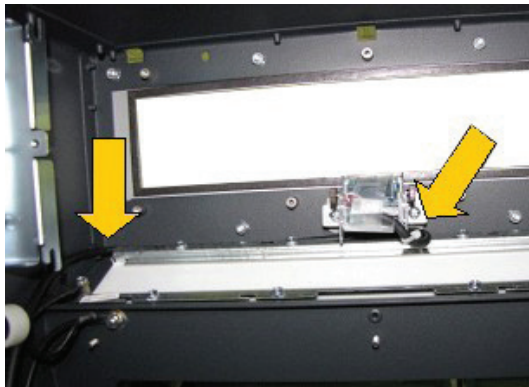
58. Use a #1 Phillip screwdriver to remove the two screws holding brackets to the camera, *Left Image*. Use camera thumb screws, *Item-2b, Center Image*, from the kit to secure the camera to the top holes in the bracket, *Right Image*. When installed the camera's lens will point down.



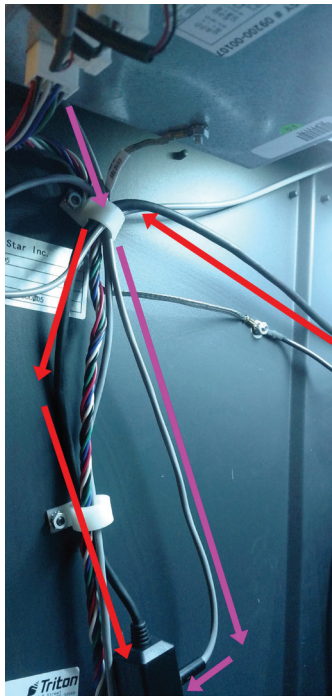
59. Set the camera in place and attach it to the bracket with two screws, *Item-8, Yellow* arrows.



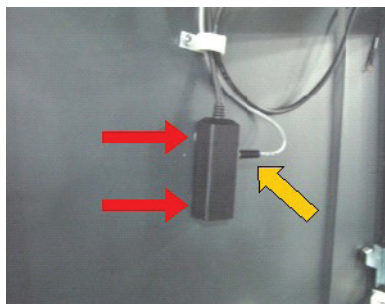
60. Route the cable across the top and tucked down behind the light bracket, *Left Image*. Press cable into clamp, *Right Image*.



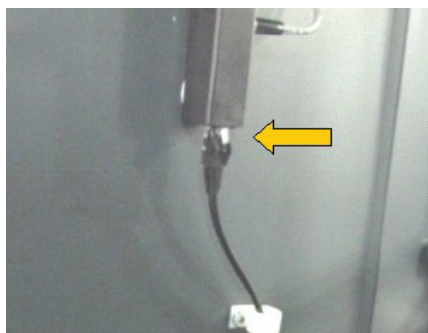
61. If the cable was removed, plug the +12 VDC power cable, **Item-4**, from the kit and plug into an available port on the power supply. May have to move the other device's power to different power ports. Suggest following the **Magenta** routing as shown below.
62. Route the camera dongle cable through the clips as best possible. See **Red** arrows for suggested routing. Loop-back excessive Dongle cable through clamps to keep it out of the way.



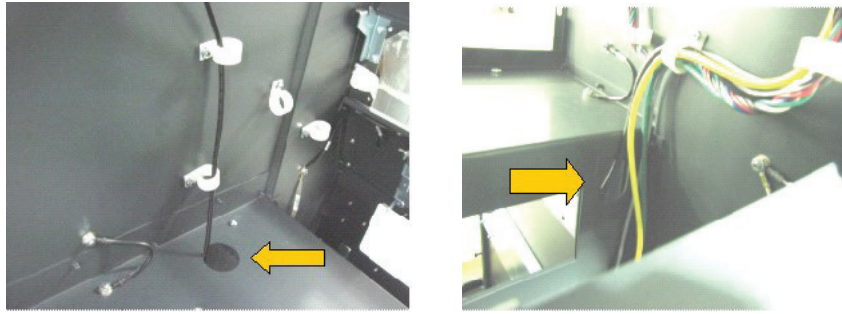
63. Plug the +12 VDC power cable into the side of the Dongle, **Yellow** arrow. Remove the backing from the two pieces of Velcro, **Red** arrows. Position Dongle without bending the power cable too tight. Press the Camera Dongle against the cabinet wall.



64. Obtain the Ethernet cable and plug it into the bottom of the Dongle, **Left Image**. Route the Ethernet cable through the bottom two clips, **Right Image**.



65. For **Deep Drive-Up Only**: Continue routing the Ethernet cable through the small opening into the Plug box area, *Left Image*. For **Walk-Up and Shallow Drive-Up Only**: Continue routing the Ethernet cable down through the small opening into the bottom cabinet, *Right Image*.



66. Route the Ethernet cable out of the ATM's corner hole and connect cable to local network.
67. Remove tools and unused parts. Power up the ATM and set for normal operations.
68. Follow the procedure in the ARGO IP Camera User Manual, 07103-00455, to setup the Camera.

END OF DOCUMENT