

Universal Bag Scale Field Conversions

This is document number D900000403, Version 2.0.

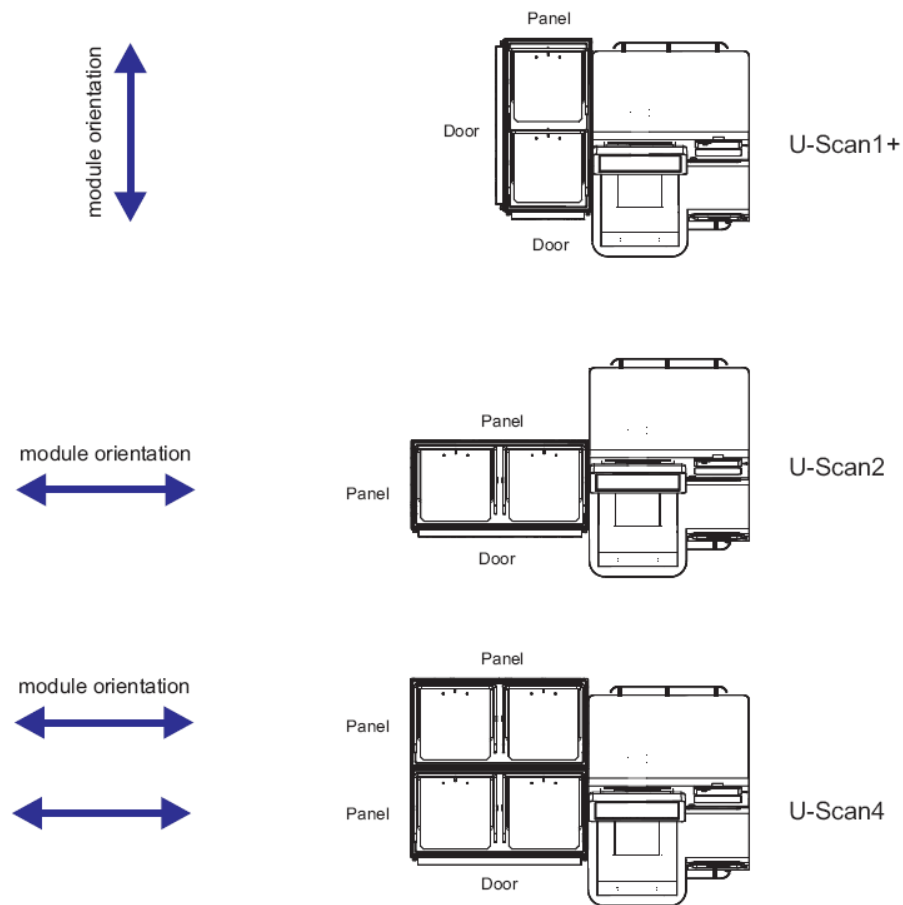
The Universal Bag Scales consist of identical base modular units that can be oriented and/or combined into different system configurations. This field update document details how to convert the following bag scale configurations:

- U-Scan1+ to U-Scan2 (read this page then go to [page 2](#))
- U-Scan1+ to U-Scan4 (read this page then go to [page 7](#))
- U-Scan2 to U-Scan4 (read this page then go to [page 15](#))
- U-Scan2 to U-Scan1+ (read this page then go to [page 23](#))

Any installed skirts, risers, or additional bag racks are optional items that are outside the scope of this document. ANSI installations are also outside the scope of this document.

If AC electrical work is required, it should be carried out by qualified personnel. During this conversion, follow the local fire department and building department fire, safety, and electrical codes applicable in your area.

The following drawing illustrates examples of the standard orientations and door-versus-panel configurations (left handed stations shown).



Additional reference materials that might be helpful include doc D900000405 (*Universal Bag Scale Conversion Pre-assembly*), doc D900000352 (*Universal Bag Scale Assembly Manual*), and doc D900000310 (*Genesis Site Preparation and Installation Guide*).

UBS U-Scan1+ to U-Scan2 (Kit 11003100C-x)

Requirements:

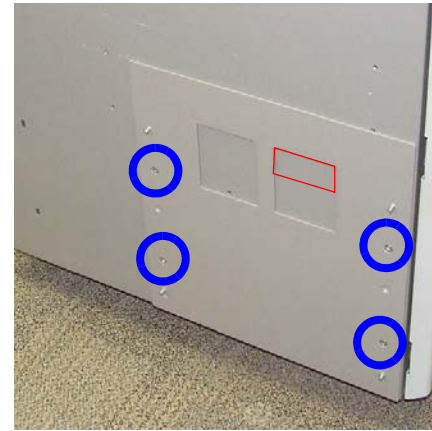
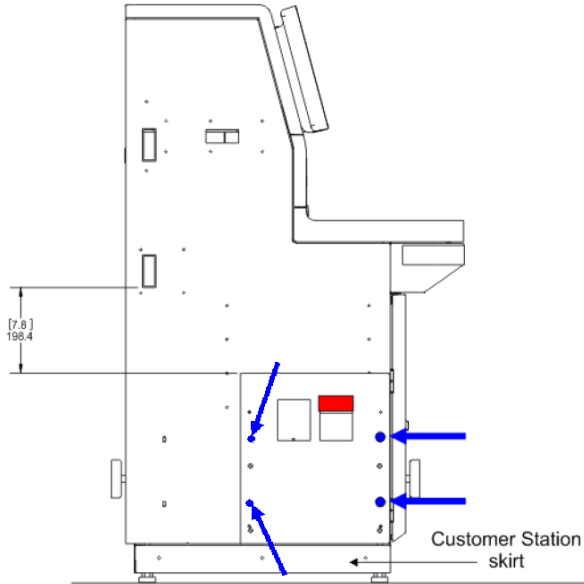
- Phillips screwdriver (#2), wrench.
- Field kit 11003100C-x, which includes this manual, and:

Part	Quantity	Part Number
small attachment plate	1	11003487-x
large panel	1	11003106-x

Disconnect the bag scale

- 1 Power down the Customer Station.
- 2 Unlock and open the lower door of the Customer Station. Remove the two screws in the front that secure the computer tray in place, then pull the computer out of the station.
- 3 Unplug the bag scale communications cable from the computer (TP3K Port 6; TP3600 Port 3).
- 4 Detach the bag scale by removing the four M6 Keys nuts that secure it to the Customer Station.
- 5 Pull the cable completely out of the Customer Station.
- 6 Remove the small door from the bag scale module and set it aside. It will no longer be required. Unscrew the four thumb screws to remove the door.
- 7 Remove the large door and the small panel from the bag scale module. These will be re-used. Unscrew the four thumb screws to remove the door; from inside, remove the four Keys nuts that secure the panel to the bag scale frame.
- 8 Remove the large attachment plate that is secured to the side of the Customer Station by four flat head M5 screws and two pan head M5 screws that are secured at the back from inside the station (you will have to remove the rear door panel of the Customer Station to gain access - it is secured at the top, on the inside, by a captive screw).
- 9 Install the new small attachment plate (11003487-x) on the side of the Customer Station:
 - a Locate four flat head M5 x 10mm screws.
 - b Remove any excess paint from the four threaded holes in the Genesis robot casing that you will be using. This is to prevent the threads from stripping.

c See the following drawing to determine which holes to use on the robot casing. (Blue circles/arrows indicate flat head screw locations.) The PEM studs attached to the attachment plate face outward — they will pass through holes in the scale frame and be secured with nuts.



small attachment plate, installed
(red rectangle indicates cable knockout location)

d Affix a flat head M5 screw to one of the front center holes of the attachment plate and loosely tighten the screw using a Phillips screwdriver or drill. This allows you to pivot the plate to better align the remaining holes.

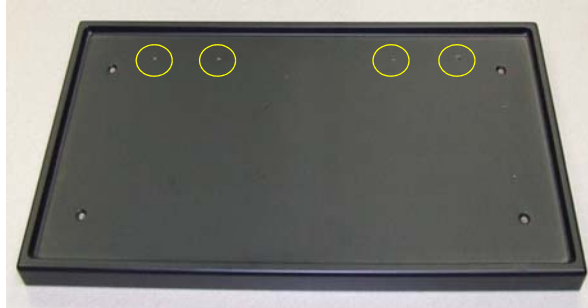


e Attach the three remaining flat head M5 screws. Once each screw is in place, finish tightening them all.

10 Rotate the bag scale so that the long edge faces the front rather than the short edge. The seam on the shield should face the back.

Bag racks

- 1 If one or more bag racks are installed, they will have to be re-oriented to face forward:
 - a In this case, be sure to rotate the bag scale so that the bag racks on the platter will be in the correct location (i.e., you do not want to end up with a single bag rack installed at the end farthest away from the Customer Station).
 - b Add a second bag rack if required. (See pages 11-12 for additional details.)
 - c Pierce the two sets of holes on the long edge of each platter with an 11/16" drill bit.



When the long edge is at the front of the Customer Station, pierce these holes.

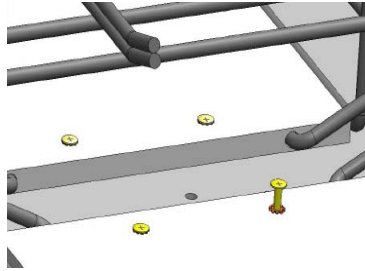
WARNING: If no additional bag racks are being installed on this scale unit, do not pierce the laminated surface of the platter. Be careful to not insert the drill bit so deep as to damage the embedded tee nuts.

- d Clean the entire surface of the platter before continuing.
- e Position the bag racks so that the two holes on each bag rack base line up with the correct pair of dimpled indentations on the platter surface.
- f The bag racks attach to the platter by two large-diameter 8-32 x 1.5" truss screws (11002928) and tooth-lock washers (11002927).

WARNING: Do not use flat washers, since this may cause the assemblies to loosen. The wide heads of the screws must come into full contact with the bag rack base. The toothed washers must compress into the nylon bag rack bases to ensure that the bag rack is sufficiently secured to prevent any lateral movement of the bag racks on the platter.

- g Insert a wide head truss screw with toothed washer into the two holes on the base of each bag rack being installed.

- h** Tighten each of the truss screws with a Phillips screwdriver until the racks are securely attached to the platter. The screws must be torqued down adequately to ensure that the bag racks will not come loose during operation.



Panel

- 1** Attach the large panel to the back of the bag scale:
 - a** Position the large panel in place on the scale frame, with the PEM studs facing inward and the ventilation holes closest to the bag racks.
 - b** The PEM studs pass through holes in the scale frame. Secure the panel from inside with four M6 x 1.0 Keps nuts.



tighten Keps nuts

ventilation holes oriented at top

Re-attach the bag scale to the station

- 1** Re-attach the bag scale to the Customer Station and secure it using the four M6 Keps nuts you removed in [Step 4](#) on [page 2](#).
- 2** Align the units so that the four PEM studs in the robot's attachment plate pass through the holes in the bag scale frame. Secure them with four M6 Keps nuts.



- 3 Pass the bag scale communications cable through the knockout in the Customer Station.
- 4 Plug the bag scale communications cable back into the computer (TP3K Port 6; TP3600 Port 3).
- 5 Replace the computer inside the Customer Station and secure the computer tray to the shelf using the two screws you removed in [Step 2 on page 2](#).
- 6 Replace the rear door panel of the Customer Station - remember that it is secured at the top, on the inside, by a captive screw.
- 7 Attach the large door to the front of the bag scale module. Secure it in place with the four thumbscrews.
- 8 Power up the Customer Station, allow the U-Scan software to start, then verify the bag scales in Device Tester:
 - a Locate the computer keyboard.
 - b Press alt+tab and select the **Robot Control** window.
 - c Touch **Stop Robot**.
 - d The Launchpad appears.
 - e Touch **Device Tester**.
 - f Enter the password (1379), then touch **Done**.
 - g The Device Tester appears.

UBS U-Scan1+ to U-Scan4 (Kit 11003100C2-x)

Requirements:

- Phillips screwdriver (#2), wire cutters, tie wraps.
- Field kit 11003100C2-x, which includes this manual, and:

Part	Quantity	Part Number
bag scale frame assembly	1	11003103-x
large panel	1	11003106-x
small panel	1	11003107-x
MDF platter	1	11003108
shield assembly	1	11003109-x
scale bars	2	11002958
CKS clamps	2	11001476
M4 x 8 mm screws	10	11001025
M6 x 25 mm flat head screws	4	11003208
M6 x 10 mm SEMS pan head screws	4	11003209
M6 x 8 mm pan head screws	4	11003211
M6 Keps nuts	12	11002165

Disconnect the bag scale

- 1 Power down the Customer Station.
- 2 Unlock and open the lower door of the Customer Station. Remove the two screws in the front that secure the computer tray in place, then pull the computer out of the station.
- 3 Unplug the bag scale communications cable from the computer (TP3K Port 6; TP3600 Port 3).
- 4 Detach the bag scale by removing the four M6 Keps nuts that secure it to the Customer Station.
- 5 Pull the cable completely out of the Customer Station.
- 6 The large attachment plate that is attached to the side of the Customer Station will remain in place.
- 7 Remove the small door from the bag scale module and set it aside. It will no longer be required. Unscrew the four thumb screws to remove the door.
- 8 Remove the large door and the small panel from the bag scale module. These will be re-used. Unscrew the four thumb screws to remove the door; from inside, remove the four Keps nuts that secure the panel to the bag scale frame.
- 9 Rotate the bag scale so that the long edge faces the front rather than the short edge. This bag scale module will be installed at the front.

- 10 Remove the platter from the original bag scale by removing the four screws that secure it to the scale bars. (You will need to access the scale transmitter which is concealed underneath.)

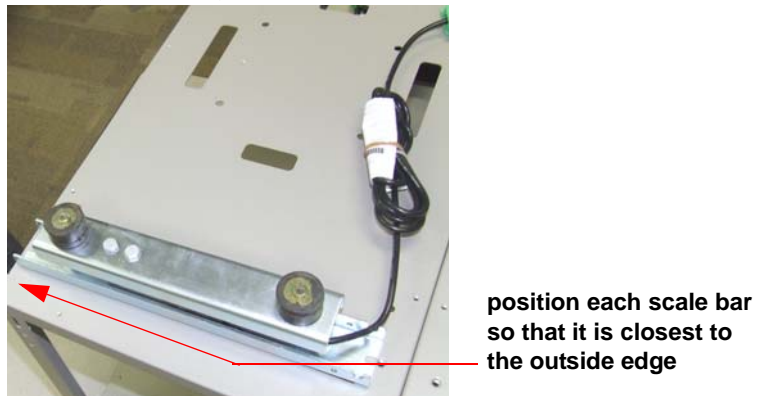
Assemble and Prepare the Bag Scales if Necessary

NOTE: The bag scale should have already been pre-assembled at the assembly facility. If this is the case, continue at “[Connect the Bag Scales](#)” on [page 10](#). If not, follow the steps in this section.

- 1 Prepare the **new** bag scale. Install the scale bars:
 - a Locate two scale bars (11002958) for each bag scale module being assembled.



- b Each end of the scale bar frame has a notch to accommodate a slight adjustment in position. Place each scale bar so that it is as close as possible to the eventual **rear** edge of the scale, then secure it with two M6 x 10 SEMS screws (10003209).



- c Route the cable for each scale bar through the notch on the frame or riser, with the cable leading toward the center of the unit. Secure the cable to the scale bar frame with a tie wrap, as shown below.



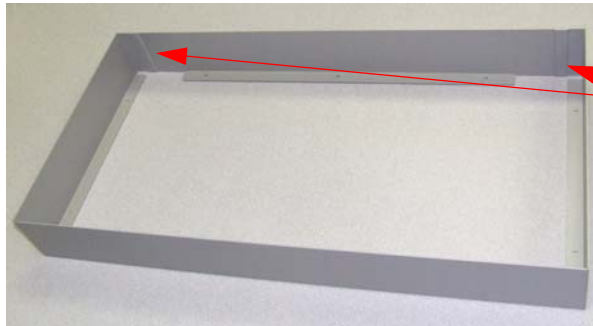
- d** Locate two medium clamps (11001476). Attach a clamp to the frame for each cable bundle, as shown below.



- e** Cut the tie wraps that are installed on these cables. Unspool a foot or two of cable, then secure each cable bundle in one of the large clamps.

2 Install the shield on the new module.

- a** Locate a shield (11003109-x) sheet metal part.



identify the seams, which face the inside (for a 4 bag system)

- b** Secure a shield to the top of each scale frame or riser using ten M4 x 8 screws (11001025) per shield.



(Orientation: from behind)

- c** One of the long edges of each shield has two seams near the ends. Position the seams so that they face the inside. (If you are installing the shield on a riser that is being installed as the rear platform of a 4 bag scale, position the shield with the seam facing the rear, for cosmetic purposes.)

Connect the Bag Scales

- 1 Adjust the DIP switches on the scale transmitter for 300 lb (both switches down) for U-Scan4.

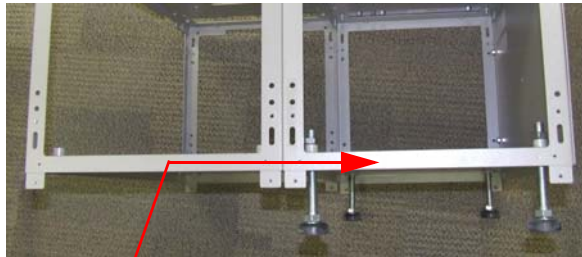


Was: 150 lb (inside switch UP, outside switch DOWN)



Set to: 300 lb (both switches DOWN)

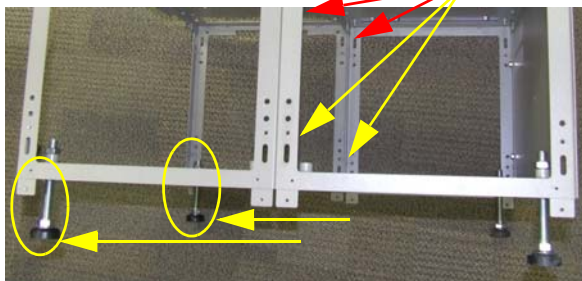
- 2 Connect the two modular units together:
 - a If the original bag scale module has skirts installed, remove them. (Each skirt is secured to the module by two M4 screws.)
 - b Locate four M6 x 1.0 x8 mm screws (11003211) and Keps nuts (11002165).
 - c Lay the units on their sides so that you can easily align the bottom edges. Secure the modules together using the four screws and nuts. Remove two of the levelers from the original bag scale module and relocate them onto the new module as shown below.



align the edges



secure the modules together

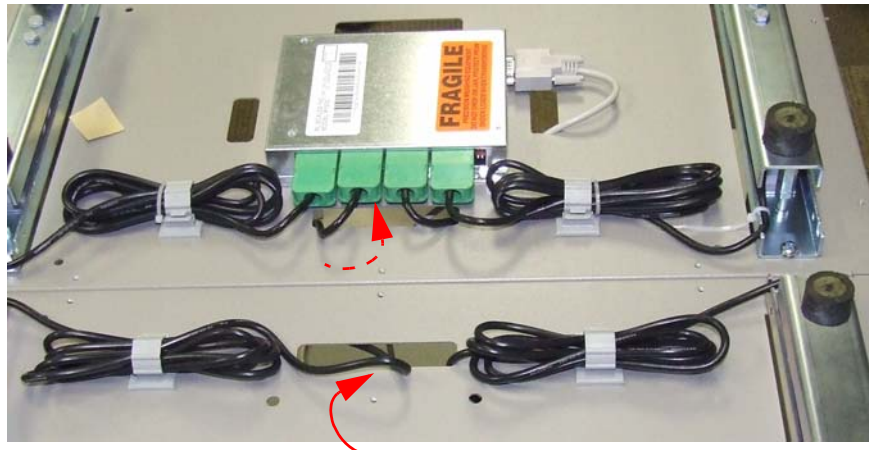


relocate two of the levelers



(viewed from inside)

- 3 The cables and connectors must be routed down through the rectangular opening of the additional unit, then back up through the rectangular opening just behind the scale transmitter.



(Orientation:
from behind)

2. up through
opening
(original
module)

1. down
opening
(new
module)

- 4 Note that the photo above does not show the shield (rectangular wall) which is already installed on each module.
- 5 Plug the scale cables into the remaining free ports on the scale transmitter.

Platter and bag racks

NOTE: *The bag racks may have already been prepared at the assembly facility. If this is the case, continue at “Panels” on page 13. If not, follow the steps in this section.*

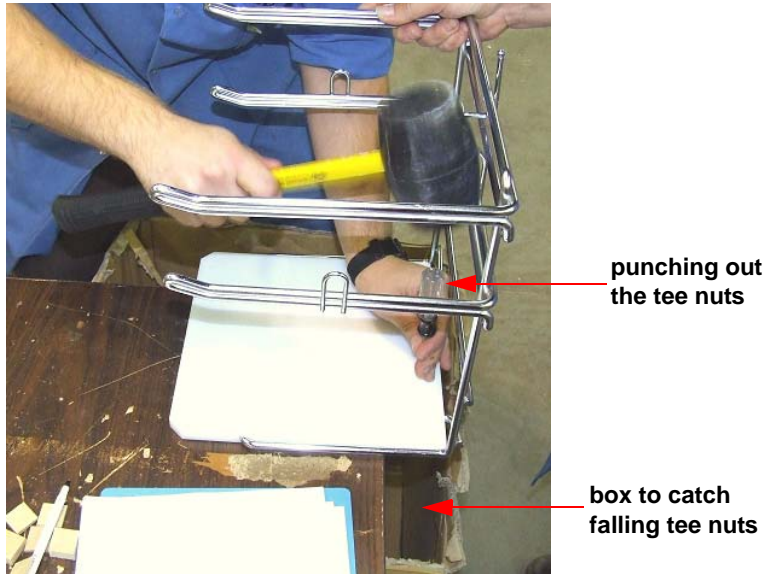
- 1 Locate an MDF platter (11003108). The finished surface of the each platter has eight slightly dimpled indentations. These are the possible attachment points for the bag racks (the pre-drilled holes and installed tee nuts are covered by a laminate surface to minimize the chances of spilled liquids entering the scale chamber.)
- 2 If necessary, pierce the four countersunk holes with a 1/4" drill bit.



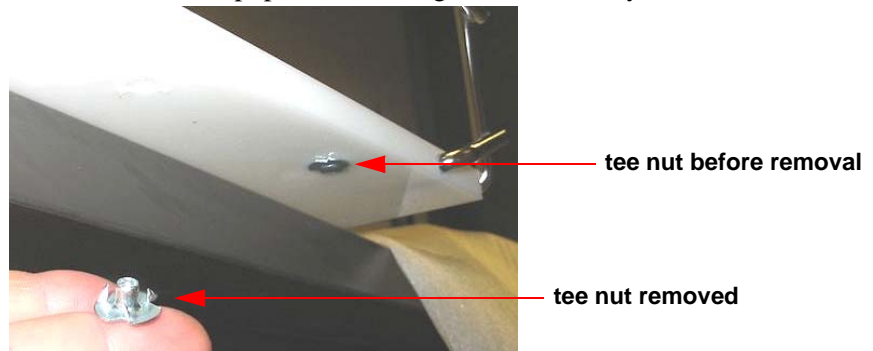
- 3 You will notice slight indentations on the upper surface of each platter. These are the attachment holes for the bag racks.

WARNING: If no bag racks are being installed on this scale unit, be sure not to pierce the laminated surface of the platter.

- 4 Prepare any required bag rack(s) as explained below:
 - a Locate enough individual bag racks for the bag scale you are assembling.
 - b Two tee nuts have been pre-installed on the underside of each bag rack base. These are not required for a Universal Bag Scale installation, since tee nuts are actually embedded within the MDF platter.
 - c Use a rubber hammer and a punch tool to remove both tee nuts from each bag rack. Set the bag rack at the edge of a table, with a receptacle underneath to catch the tee nuts as they fall.



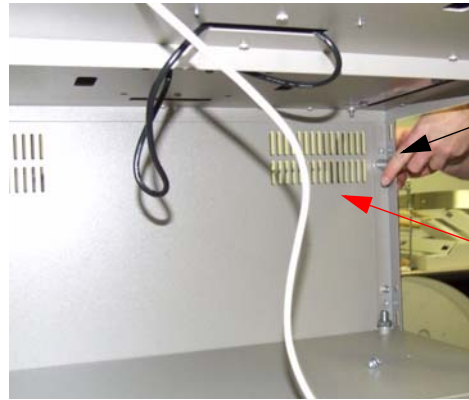
- d The tee nuts should pop out of the bag rack base easily.



- 5 Position the platter over the scale bars and install it in place. Orient the platter according to the bag rack holes that will be used.
- 6 Secure the platter to the scale bars by installing four flat head M6 x 25 mm LG screws (11003208) in the four countersunk holes.
- 7 Attach the bag rack(s) to the platters as explained on [page 4](#).

Panels

- 1 Attach the large panel to the back of the new bag scale:
 - a Position the large panel in place on the scale frame, with the PEM studs facing inward and the ventilation holes closest to the bag racks.
 - b The PEM studs pass through holes in the scale frame. Secure the panel from inside with four M6 x 1.0 Keps nuts.



tighten Keps nuts

ventilation holes oriented at top

- 2 Attach the two short panels (one new; one from the original module) to the outside ends of the bag scales. The procedure is the same as the one given in the preceding step.
- 3 If required, attach the skirt kit to the bag scale. (The skirts are installed as explained in the *Genesis Site Preparation and Installation Manual*, doc D900000310.)

Attach the bag scales to the station

- 1 Attach the bag scales to the Customer Station.
- 2 Align the units so that the four PEM studs in the robot's attachment plate pass through the holes in the bag scale frame. Secure them with the four M6 Keps nuts you removed in [Step 4 on page 7](#).



- 3 Pass the bag scale communications cable through the knockout in the Customer Station.
- 4 Plug the bag scale communications cable back into the computer (TP3K Port 6; TP3600 Port 3).
- 5 Attach the large door to the front of the original bag scale module. Secure it in place with the four thumbscrews.

- 6 Replace the computer inside the Customer Station and secure the computer tray to the shelf using the two screws you removed in [Step 2 on page 7](#).
- 7 Power up the Customer Station, allow the U-Scan software to start, then verify the bag scales in Device Tester:
 - a Locate the computer keyboard.
 - b Press alt+tab and select the **Robot Control** window.
 - c Touch **Stop Robot**.
 - d The Launchpad appears.
 - e Touch **Device Tester**.
 - f Enter the password (1379), then touch **Done**.
 - g The Device Tester appears.

UBS U-Scan2 to U-Scan4 (Kit 11003100C3-x)

Requirements:

- Phillips screwdriver (#2), wire cutters, tie wraps.
- Field kit 11003100C3-x, which includes this manual, and:

Part	Quantity	Part Number
bag scale frame assembly	1	11003103-x
small panel	1	11003107-x
MDF platter	1	11003108
shield assembly	1	11003109-x
large attachment plate	1	11003488-x
scale bars	2	11002958
CKS clamps	2	11001476
M4 x 8 mm screws	10	11001025
M5 x 10 mm pan head SEMS screws	2	11000598
M6 x 25 mm flat head screws	4	11003208
M6 x 10 mm SEMS pan head screws	4	11003209
M6 x 8 mm pan head screws	4	11003211
M6 Keps nuts	4	11002165

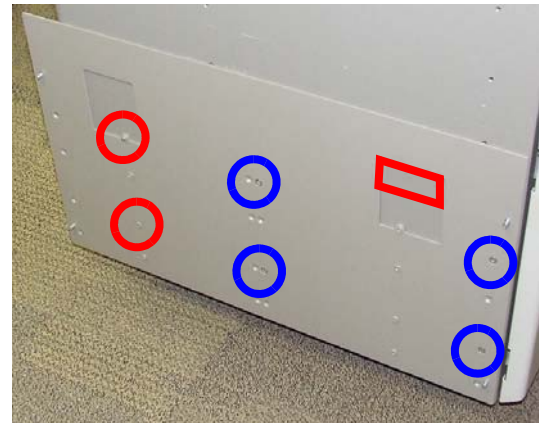
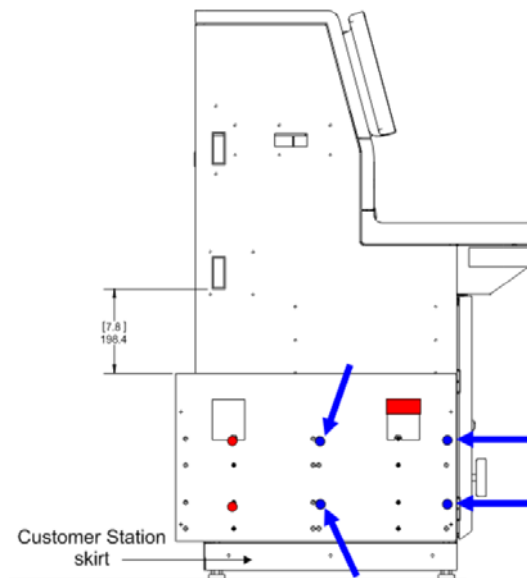
Disconnect the bag scale

- 1 Power down the Customer Station.
- 2 Unlock and open the lower door of the Customer Station. Remove the two screws in the front that secure the computer tray in place, then pull the computer out of the station.
- 3 Unplug the bag scale communications cable from the computer (TP3K Port 6; TP3600 Port 3).
- 4 Detach the bag scale by removing the four M6 Keps nuts that secure it to the Customer Station.
- 5 Pull the cable completely out of the Customer Station.
- 6 Remove the large door from the bag scale module and set it aside. It will be re-attached later on. Unscrew the four thumb screws to remove the door.
- 7 Remove the large and small panels from the bag scale module. These will be re-used. From inside, remove the four Keps nuts that secure each panel to the bag scale frame.
- 8 This bag scale module will be installed at the front.

- 9 Remove the platter from the original bag scale by removing the four screws that secure it to the scale bars. (You will need to access the scale transmitter which is concealed underneath.)

Replace the attachment plates

- 1 Remove the small attachment plate that is secured to the side of the Customer Station by four flat head M5 screws.
- 2 Install the new large attachment plate (11003488-x) on the side of the Customer Station:
 - a Locate four flat head M5 x 10mm screws and two pan head M5 SEMS screws.
 - b Remove any excess paint from the four threaded holes in the Genesis robot casing that you will be using. This is to prevent the threads from stripping.
 - c See the following drawing to determine which holes to use on the robot casing. (Blue circles/arrows indicate flat head screw locations; red circles indicate where pan head screws are attached from behind.) The PEM studs attached to the attachment plate face outward — they will pass through holes in the scale frame and be secured with nuts.



large attachment plate, installed
(red rectangle indicates cable
knockout location)

- 3 Install the new attachment plate on the side of the Customer Station:
 - a Affix a flat head M5 screw to one of the front center holes of the attachment plate and loosely tighten the screw using a Phillips screwdriver or drill. This allows you to pivot the plate to better align the remaining holes.



- b From the inside of the robot casing, insert two pan head M5 SEMS screws through the slots and screw them into the threaded holes at the back of the attachment plate. (You will have to remove the rear door panel of the Customer Station to gain access - it is secured at the top, on the inside, by a captive screw).

Assemble and Prepare the Bag Scales if Necessary

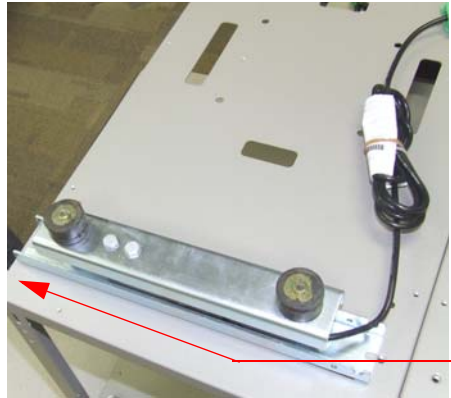
NOTE: *The bag scale should have already been pre-assembled at the assembly facility. If this is the case, continue at [“Connect the Bag Scales”](#) on [page 20](#). If not, follow the steps in this section.*

- 1 Prepare the **new** bag scale by installing the scale bars:
 - a Locate two scale bars (11002958) for each bag scale module being assembled.



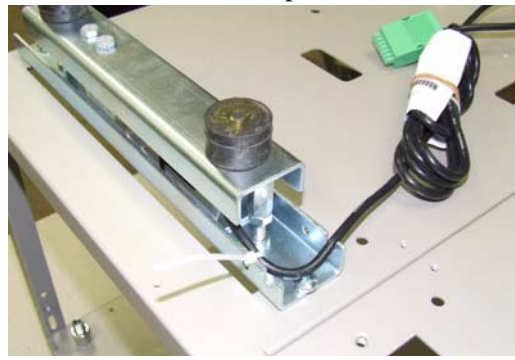
one scale bar

- b** Each end of the scale bar frame has a notch to accommodate a slight adjustment in position. Place each scale bar so that it is as close as possible to the eventual **rear** edge of the scale, then secure it with two M6 x 10 SEMS screws (10003209).



position each scale bar so that it is closest to the outside edge

- c** Route the cable for each scale bar through the notch on the frame or riser, with the cable leading toward the center of the unit. Secure the cable to the scale bar frame with a tie wrap, as shown below.



- d** Locate two medium clamps (11001476). Attach a clamp to the frame for each cable bundle, as shown below.



- e** Cut the tie wraps that are installed on these cables. Unspool a foot or two of cable, then secure each cable bundle in one of the large clamps.

- 2** Adjust the DIP switches on the scale transmitter for 300 lb (both switches down) for U-Scan4.



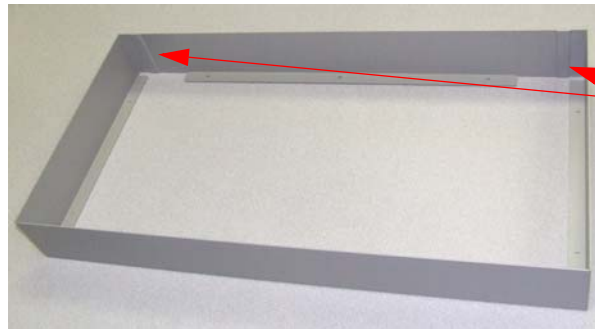
Was: 150 lb (inside switch UP, outside switch DOWN)



Set to: 300 lb (both switches DOWN)

3 Install the shield on the new module.

a Locate a shield (11003109-x) sheet metal part.



identify the seams, which face the inside (for a 4 bag system)

b Secure a shield to the top of each scale frame or riser using ten M4 x 8 screws (11001025) per shield.

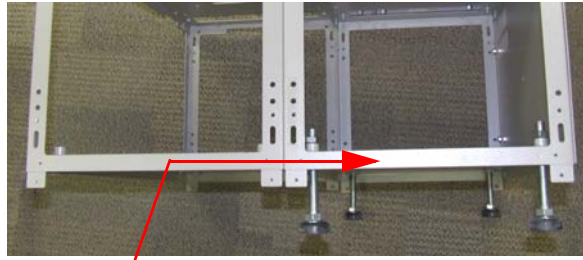


(Orientation: from behind)

c One of the long edges of each shield has two seams near the ends. Position the seams so that they face the inside. (If you are installing the shield on a riser that is being installed as the rear platform of a 4 bag scale, position the shield with the seam facing the rear, for cosmetic purposes.)

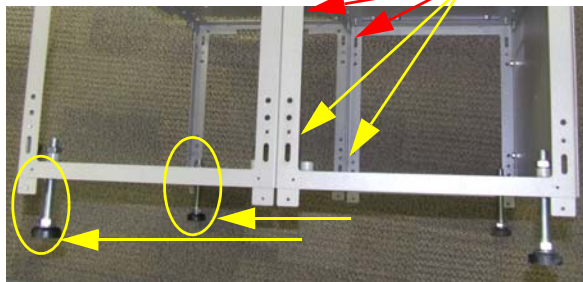
Connect the Bag Scales

- 1 Connect the two modular units together:
 - a If the original bag scale module has skirts installed, remove them. (Each skirt is secured to the module by two M4 screws.)
 - b Locate four M6 x 8 mm screws (11003211) and Keps nuts (11002165).
 - c Lay the units on their sides so that you can easily align the bottom edges. Secure the modules together using the four screws and nuts. Remove two of the levelers from the original bag scale module and relocate them onto the new module as shown below.



align the edges

secure the modules together

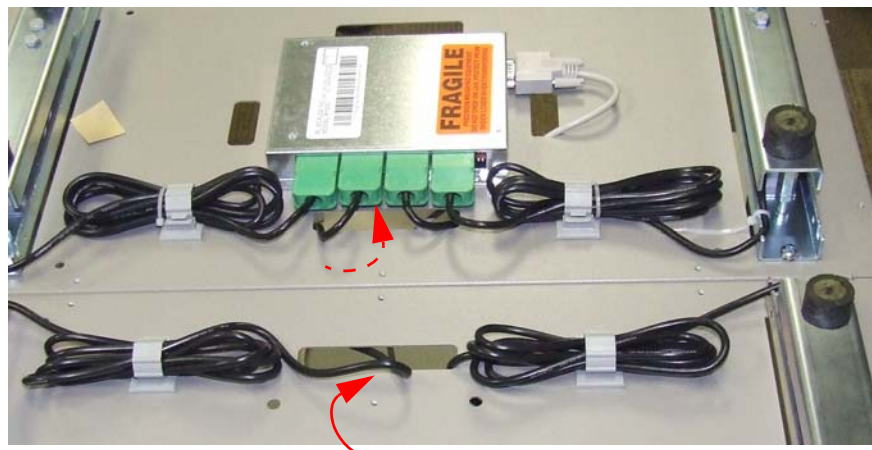


relocate two of the levelers



(viewed from inside)

- 2 The cables and connectors must be routed down through the rectangular opening of the additional unit, then back up through the rectangular opening just behind the scale transmitter.



(Orientation:
from behind)

2. up through
opening
(original
module)

1. down
opening
(new
module)

- 3 Note that the photo above does not show the shields (rectangular walls).
- 4 Plug the scale cables into the remaining free ports on the scale transmitter.

Platter and bag racks

NOTE: The bag racks *may have already been prepared at the assembly facility*.
If this is the case, continue at “Panels” on page 21.
If not, follow the steps in the “Platter and bag racks” section
on pages 11-12.

Panels

- 1 Attach the large panel to the back of the new bag scale:
 - a Position the large panel in place on the scale frame, with the PEM studs facing inward and the ventilation holes closest to the bag racks.
 - b The PEM studs pass through holes in the scale frame. Secure the panel from inside with four M6 x 1.0 Keps nuts.



tighten Keps nuts

ventilation holes
oriented at top

- 2 Attach the two short panels (one new; one from the original module) to the outside ends of the bag scales. The procedure is the same as the one given in the preceding step.
- 3 If required, attach the skirt kit to the bag scale. (The skirts are installed as explained in the *Genesis Site Preparation and Installation Manual*, doc D900000310.)

Attach the bag scales to the station

- 1 Attach the bag scales to the Customer Station.
- 2 Align the units so that the four PEM studs in the robot’s attachment plate pass through the holes in the bag scale frame. Secure them with the four M6 Keps nuts you removed in [Step 4 on page 15](#).



- 3 Pass the bag scale communications cable through the knockout in the Customer Station.
- 4 Plug the bag scale communications cable back into the computer (TP3K Port 6; TP3600 Port 3).
- 5 Replace the computer inside the Customer Station and secure the computer tray to the shelf using the two screws you removed in [Step 2 on page 15](#).
- 6 Replace the rear door panel of the Customer Station - remember that it is secured at the top, on the inside, by a captive screw.
- 7 Attach the large door to the front of the original bag scale module. Secure it in place with the four thumbscrews.
- 8 Power up the Customer Station, allow the U-Scan software to start, then verify the bag scales in Device Tester:
 - a Locate the computer keyboard.
 - b Press alt+tab and select the **Robot Control** window.
 - c Touch **Stop Robot**.
 - d The Launchpad appears.
 - e Touch **Device Tester**.
 - f Enter the password (1379), then touch **Done**.
 - g The Device Tester appears.

UBS U-Scan2 to U-Scan1+ (Kit 11003100C4-x)

Requirements:

- Phillips screwdriver (#2), wire cutters, tie wraps.
- Field kit 11003100C4-x, which includes this manual, and:

Part	Quantity	Part Number
small door	1	11003104
large attachment plate	1	11003488-x
M5 x 10 mm pan head SEMS screws	2	11000598

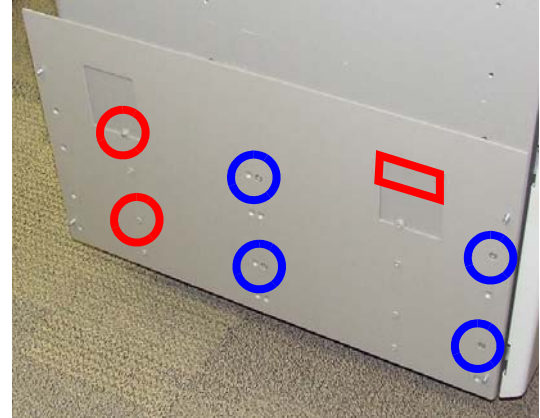
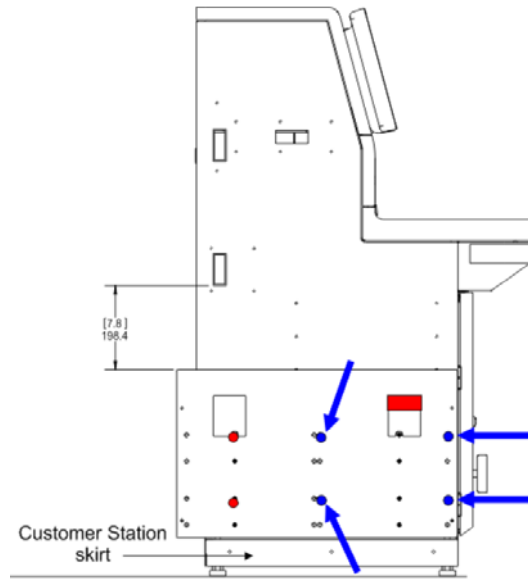
Disconnect the bag scale

- 1 Power down the Customer Station.
- 2 Unlock and open the lower door of the Customer Station. Remove the two screws in the front that secure the computer tray in place, then pull the computer out of the station.
- 3 Unplug the bag scale communications cable from the computer (TP3K Port 6; TP3600 Port 3).
- 4 Detach the bag scale by removing the four M6 Keps nuts that secure it to the Customer Station.
- 5 Pull the cable completely out of the Customer Station.
- 6 Remove the long panel from the bag scale module and set it aside. It will not be required.

Replace the attachment plate

- 1 Remove the small attachment plate that is secured to the side of the Customer Station by four flat head M5 screws.
- 2 Install the new large attachment plate (11003488-x) on the side of the Customer Station:
 - a Locate four flat head M5 x 10mm screws and two pan head M5 SEMS screws.
 - b Remove any excess paint from the four threaded holes in the Genesis robot casing that you will be using. This is to prevent the threads from stripping.

- c See the following drawing to determine which holes to use on the robot casing. (Blue circles/arrows indicate flat head screw locations; red circles indicate where pan head screws are attached from behind.) The PEM studs attached to the attachment plate face outward — they will pass through holes in the scale frame and be secured with nuts.



large attachment plate, installed
(red rectangle indicates cable knockout location)

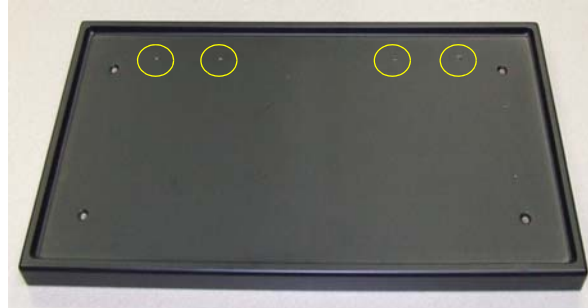
- 3 Install the new attachment plate on the side of the Customer Station:
 - a Affix a flat head M5 screw to one of the front center holes of the attachment plate and loosely tighten the screw using a Phillips screwdriver or drill. This allows you to pivot the plate to better align the remaining holes.



- b From the inside of the robot casing, insert two pan head M5 SEMS screws through the slots and screw them into the threaded holes at the back of the attachment plate. (You will have to remove the rear door panel of the Customer Station to gain access - it is secured at the top, on the inside, by a captive screw).

Bag racks

- 1 If one or more bag racks are installed, they will have to be re-oriented to face forward:
 - a In this case, be sure to rotate the bag scale so that the bag racks on the platter will be in the correct location (i.e., you do not want to end up with a single bag rack installed at the end farthest away from the Customer Station).
 - b Add a second bag rack if required. (See pages 11-12 for additional details.)
 - c Pierce the two sets of holes on the long edge of each platter with an 11/16" drill bit.



When the long edge is at the front of the Customer Station, pierce these holes.

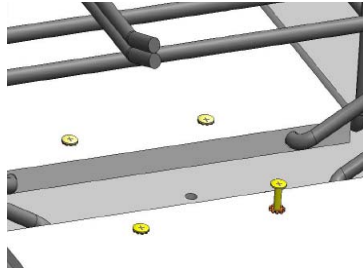
WARNING: If no additional bag racks are being installed on this scale unit, do not pierce the laminated surface of the platter. Be careful to not insert the drill bit so deep as to damage the embedded tee nuts.

- d Clean the entire surface of the platter before continuing.
- e Position the bag racks so that the two holes on each bag rack base line up with the correct pair of dimpled indentations on the platter surface.
- f The bag racks attach to the platter by two large-diameter 8-32 x 1.5" truss screws (11002928) and tooth-lock washers (11002927).

WARNING: Do not use flat washers, since this may cause the assemblies to loosen. The wide heads of the screws must come into full contact with the bag rack base. The toothed washers must compress into the nylon bag rack bases to ensure that the bag rack is sufficiently secured to prevent any lateral movement of the bag racks on the platter.

- g Insert a wide head truss screw with toothed washer into the two holes on the base of each bag rack being installed.

- h** Tighten each of the truss screws with a Phillips screwdriver until the racks are securely attached to the platter. The screws must be torqued down adequately to ensure that the bag racks will not come loose during operation.



Side door

- 1** Attach the large door to the outer side of the bag scale:
 - a** Position the large door in place on the scale frame.
 - b** Secure it with the four thumbscrews.

Re-attach the bag scale to the station

- 1** Re-attach the bag scale to the Customer Station and secure it using the four M6 Keps nuts you removed in [Step 4](#) on [page 2](#).
- 2** Align the units so that the four PEM studs in the robot's attachment plate pass through the holes in the bag scale frame. Secure them with four M6 Keps nuts.



- 3 Pass the bag scale communications cable through the knockout in the Customer Station.
- 4 Plug the bag scale communications cable back into the computer (TP3K Port 6; TP3600 Port 3).
- 5 Replace the computer inside the Customer Station and secure the computer tray to the shelf using the two screws you removed in [Step 2 on page 2](#).
- 6 Replace the rear door panel of the Customer Station - remember that it is secured at the top, on the inside, by a captive screw.
- 7 Attach the small door to the front of the bag scale module. Secure it in place with the four thumbscrews.
- 8 Power up the Customer Station, allow the U-Scan software to start, then verify the bag scales in Device Tester:
 - a Locate the computer keyboard.
 - b Press alt+tab and select the **Robot Control** window.
 - c Touch **Stop Robot**.
 - d The Launchpad appears.
 - e Touch **Device Tester**.
 - f Enter the password (1379), then touch **Done**.
 - g The Device Tester appears.