Assembly/Installation Instructions

Micro Projector Lift Environmental Air Space Housing, Closure & Ceiling Trim Kit by Draper

Installing Micro Projector Lift Environmental Air Space Housing

The Environmental Air Space Housing is shipped pre-assembled in its shortest position. The height of the housing can be adjusted by moving the screws to different mounting holes in side panels. You can install the housing in a pre-assembled state or as separate components, which will require that the housing be completely disassembled prior to installation. Please note that if the housing is to be installed in a space where there is no access from above the housing, then it is recommended that the Micro Projector Lift be installed to the upper section prior to installing the Environmental Air Space Housing. It is also recommended that an access panel be installed to allow access for service. Please refer to drawing below for these instructions.

① Install top section of housing using outer four holes on top of upper section. ***Please Note: If installing the AeroLift 25 in the MPL Environmental Air Space Housing, make sure the is oriented properly. Since the MPL is square, and the AeroLift 25 is not square, make sure the lift is installed in the proper orientation by ensuring the AeroLift 25 mounting holes (innermost four holes) are facing in the correct direction. Then, follow the rest of the instructions.***

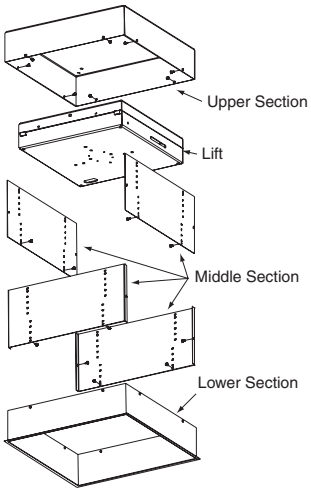
② Attach Micro Projector Lift to upper section of Environmental Air Space Housing through the inner four holes in the upper section with the $^{5}/_{16}$" –18 x $^{7}/_{8}$" hex head screws, $^{5}/_{16}$" flat washers, and lock washers provided with the housing. The lock washers should be used *above* the housing (one per screw); the flat washers should be used *between* the Environmental Air Space Housing and the MPL (three flat washers per screw).

③ Attach the two flat panels of the middle section across from each other with the clinch nuts to the outside of the housing.

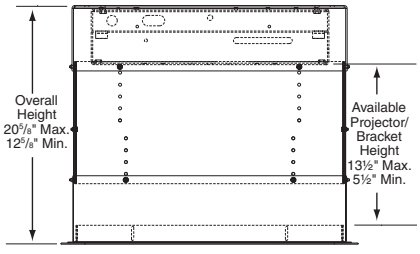
④ Attach the two middle section panels with the formed ends across from one another.

⑤ Attach lower section of housing.

⑥ Use 1" foil tape (roll provided with housing) to cover any unused screw holes in housing.



Available Space in Micro Projector Lift Environmental Air Space Housing

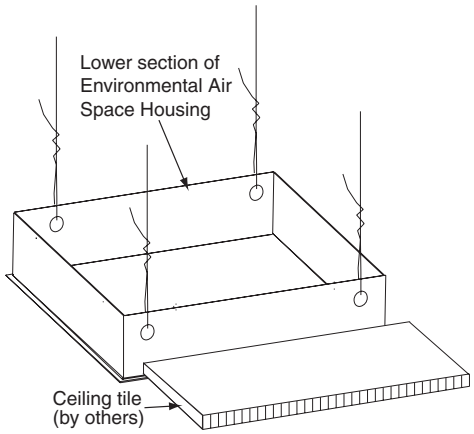


Installing Optional Ceiling Trim Kit

The lower section of the Micro Projector Lift Environmental Air Space is available as part of a ceiling trim kit, to finish out the ceiling opening even if a housing is not necessary. This kit consists of the lower section of the housing and the optional closure panel. Please refer to drawing below for these instructions.

① Install Micro Projector Lift (as described in MPL instructions).

② Install bottom section of Environmental Air Space Housing in opening. This can be accomplished by suspending with wire, or by mounting directly to the ceiling joists (if space permits).



Installing Ceiling Closure

If your Micro Projector Lift is equipped with a ceiling closure system, it can be used as is, or in conjunction with a square of existing ceiling tile. *Please refer to diagram below for these instructions.*

① If installing with ceiling tile, you may need to cut tile so that its overall dimensions are the same as (or slightly less than) the closure panel. Place tile into trim frame. Lay closure panel on top (back side) of ceiling tile, and tighten screws to hold in place.

② Attach $^{5}/_{16}$" threaded rods to pem nuts in lift pan.

③ Run unit "up" until bottom pan stops at highest position. Mark position on $^{5}/_{16}$" rods even with ceiling level and cut rods to length (removing from pan if convenient).

④ Run unit "down" until bottom pan stops at "show" position.

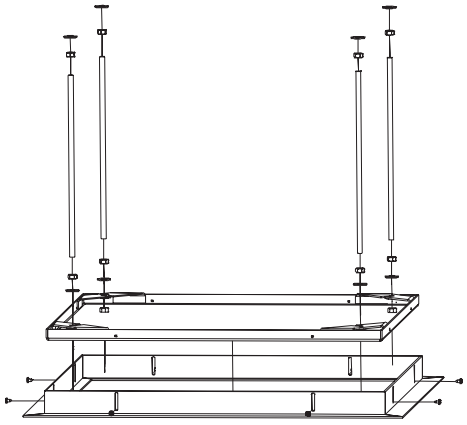
⑤ Attach closure to lower end of $^{5}/_{16}$" rods by slipping into four corner slots and secure with nuts above and below slots.

⑥ Run unit "up" again to highest position. Measure distance by which panel fails to reach required "closed" height for surrounding ceiling.

⑦ Run unit "down" then readjust mounting of $^{5}/_{16}$" rods in traveling grid to raise panel required distance.

⑧ Test unit operation to confirm that panel will stop in closed position just before touching ceiling.

NOTE: *Immediately upon completion of the surrounding ceiling, units should be operated to confirm that optional ceiling closure panel stops just short of touching ceiling in closed position.*



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 Form MicroProjectorLift-Options_Inst08 Printed in U.S.A.

If you encounter any difficulties installing your Micro Projector Lift Environmental Air Space Housing, Closure or Ceiling Trim Kit, call your dealer or Draper, Inc. in Spiceland, Indiana, 765-987-7999 or fax 765-987-7142.

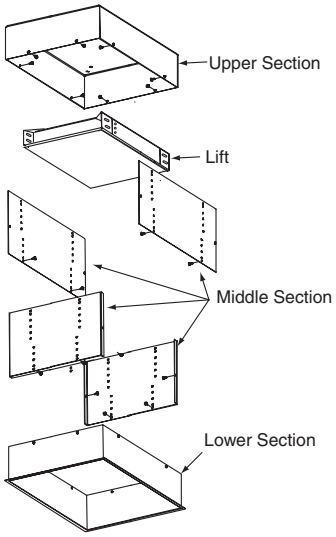
Assembly/Installation Instructions
AeroLift 25 Environmental Air Space Housing, Closure & Ceiling Trim Kit by Draper

Installing Optional Environmental Air Space Housing

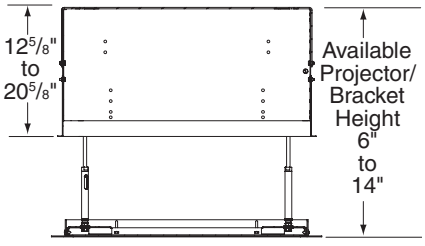
The Environmental Air Space Housing is shipped pre-assembled in its shortest position. The height of the Housing can be adjusted by moving the screws to different mounting holes in side panels. The incremental adjustment for the top screw and bottom screw is ½"; the incremental adjustment for the rest of the screws is 1". You can install the housing in a pre-assembled state or as separate components, which will require that the housing be completely disassembled prior to installation.

Please note that if the housing is to be installed in a space where there is no access from above the housing, then it is recommended that the AeroLift 25 be installed to the upper section prior to installing the Environmental Air Space Housing. It is also recommended that an access panel be installed to allow access for service.

① Install top section of Environmental Air Space Housing using outer four holes located on top of upper section.
② If installing the large closure, attach brackets to bottom of projector plate (see drawing below right), then follow MPL Environmental Air Space Housing instructions on reverse side.
③ Attach AeroLift 25 to upper section of Environmental Air Space Housing through the inner four holes in the upper section with the $^{5}/_{16}$" –18 x $^{7}/_{8}$" hex head screws, $^{5}/_{16}$" flat washers and lock nuts provided with housing. The lock nuts should be used ***above*** the housing (one per screw).
④ Attach the two flat panels of the middle section across from each other with the clinch nuts to the outside of the housing.
⑤ Attach the two middle section panels with the formed ends across from one another.
⑥ Attach lower section of Environmental Air Space Housing.



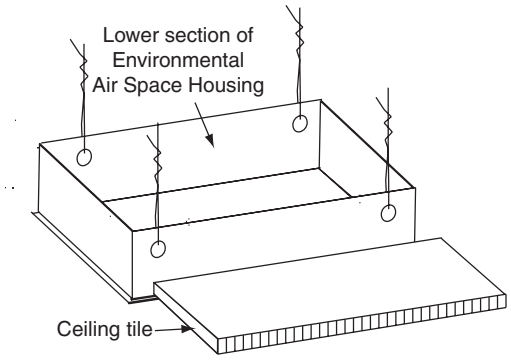
Available space in AeroLift 25 Environmental Air Space Housing



Installing Optional Ceiling Trim Kit

The lower section of the AeroLift 25 Environmental Air Space Housing is available as part of a ceiling trim kit, to finish out the ceiling opening even if a housing is not necessary. This kit consists of the lower section of the housing and the ceiling closure panel. Please refer to drawing below for these instructions.

① Install AeroLift 25 (as described in AeroLift 25 instructions).
② Install bottom section of Environmental Air Space Housing in opening. This can be accomplished by suspending with wire, or by mounting directly to the ceiling joists (if space permits).



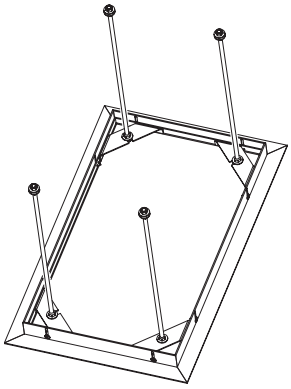
Installing Ceiling Closure

If your AeroLift 25 is equipped with a ceiling closure system, it can be used as is, or in conjunction with a square of existing ceiling tile. *Please refer to diagrams below for these instructions.*

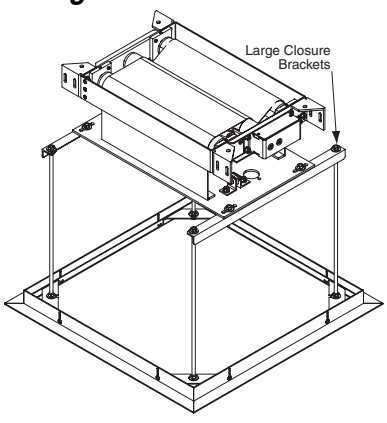
① If installing large closure, attach brackets to bottom of projector plate then follow the steps for installing the MPL closure (see other side).
② If installing with ceiling tile, you may need to cut tile so that its overall dimensions are the same as (or slightly less than) the closure panel. Place tile into trim frame. Lay closure panel on top (back side) of ceiling tile, and tighten screws to hold in place.
③ Attach $^{5}/_{16}$" threaded rods to pem nuts in lift pan.
④ Run unit "up" until bottom pan stops at highest position. Mark position on $^{5}/_{16}$" rods even with ceiling level and cut rods to length (removing from pan if convenient).
⑤ Run unit "down" until bottom pan stops at "show" position.
⑥ Attach closure to lower end of $^{5}/_{16}$" rods by slipping into four corner slots and secure with nuts above and below slots.
⑦ Run unit "up" again to highest position. Measure distance by which panel fails to reach required "closed" height for surrounding ceiling.
⑧ Run unit "down" then readjust mounting of $^{5}/_{16}$" rods in bottom pan to raise panel required distance.
⑨ Test unit operation to confirm that panel will stop in closed position just before touching ceiling.

NOTE: *Immediately upon completion of the surrounding ceiling, units should be operated to confirm that optional ceiling closure panel stops just short of touching ceiling in closed position.*

Small Closure



Large Closure & Brackets



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