

# School Bus Luggage Compartment Installation Instructions



On all installations the lateral cut in the body Should be level with the lower edge of the Floor cross members. (Approx 36” from Ground level) The vertical cuts in the body should be as Wide as the luggage compartment. And the box should be lo-cated centrally without impairing any of the chassis or body components.



Using a high speed cutting disc, cut the rub rails. Safety Glasses should be worn. As described below.



Using an air chisel remove all of the rub rail rivets. For the Box cut-out plus 2-4” to allow for the box flange.



Removing the lower rub-rail. On cut-out of the box, plus 2-4” to allow for box flange as described in previous section.

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Using an air chisel to remove the rivets in body panels. \*Note: The two center rivets above the marked cut out area are removed to allow room for the luggage compartment outer flange.



With all the rivets removed, a centre drop tooth PH51D (Snap-on) tool is used in the air gun to remove the upper panel only\*,

\*Attempting to cut more than one panel may damage the tool.



With the panels removed, the air gun using PH57G right & lefthand cutting chisel is used to cut out the sub structure.



Where the substructure is overlapped a cutting tool is needed to cut through both layers. A die grinder is recommended (air or electric\*)

\*Safety goggles must be worn at all times.

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Removing the body panel support gussets. \*Note: It is acceptable to cut the gusset and not remove the rivets.



The body is now ready for the installation of the luggage compartment. At this point all unpainted edges should be treated or painted to prevent future corrosion. Marking and drilling the holes for the rear luggage support brackets. Approximately 5" from the bottom of the box.



These will attach to a bar that hangs on the vehicle frame, and support the compartment. This is an adjustable hanger and the measurement does not have to be specific.



It is secured in place by four carriage bolts.

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Flat washers and locking washer are used to secure the bracket.



Using a template, or by measuring and marking off equally spaced points, the upper and two side flanges are drilled. Side holes should be 4.1/2" apart approx. Upper mounting flange should be 4 7/8" Note\* To ensure spacing is equal, lay out top and sides before drilling.



The compartment is positioned in the cut-out supported by a jack, when the compartment is in the correct position it is clamped at the sides.



The body is drilled using the holes in the flange as a pattern.



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Inserting stainless steel rivets through flange to body. \*Note: Longer rivets must be used when securing the compartment door hinges to make sure that they contact the metal bodywork.



The steel rear support bar is hooked over the vehicle frame and secured to the rear support bracket. \*Note: Use of locknuts is recommended and do not overtighten as damage to the luggage compartment may occur.



Install the rub rail end caps, and the front luggage fiberglass trim plate.



Install the rear luggage trim plate. This item is not supplied on conventional buses (customer manufacture) from 16ga satin coat steel.

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Install the luggage door hold open device



Masking up all areas to be painted.

Compartments masked and ready for painting.



Painting the compartments.

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To finish the installation, a bead of yellow silicone may be applied to the outer edge of the compartment. And install black vinyl tape if required. It is recommended not to apply tape over rivets and silicone.

## Tools required to install LC 1000 Luggage Compartments.

1. Air gun with tool bits, Snap-on part# as follows:
  - a) PH55B chisel for removing rivets
  - b) PH51D drop tooth center cutter
  - c) PH 57G right and left cutting chisel
2. High speed die grinder with cutting wheel (Safety Glasses)
3. Air or electric drill with bits 17/64" and 3/8"
4. 1/4" Air rivet gun.
5. 3/4" Open or closed wrench.
6. 7/16" Deep socket 3/8" drive
7. 9/16" Impact socket, 3/8 of 1/2 inch drive.
8. Caulking Gun.