

ATL Low Fuel Level Warning Indicator

For Foam-Filled Fuel Cell Bladder Tanks Only. ATL Part# **KS109L**

INSTALLATION INSTRUCTIONS

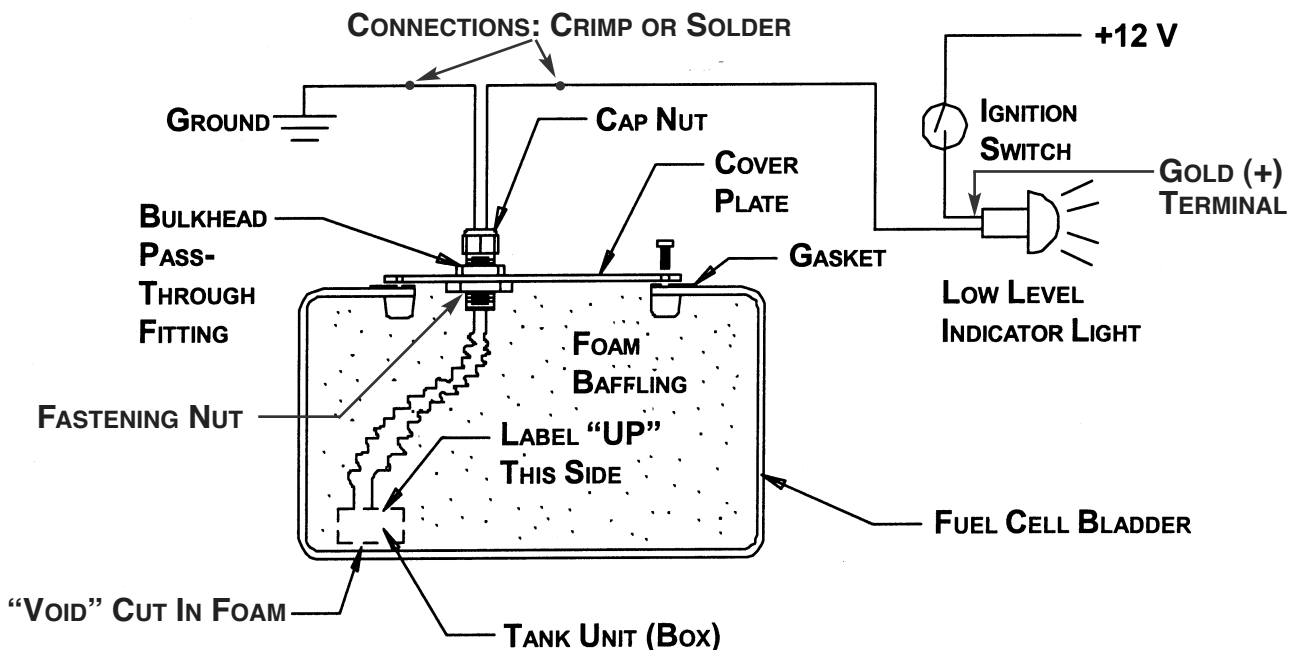
1) SAFETY Read and follow ATL Product Safety Bulletin #DS-381 before going further. This Bulletin is available at atlinc.com and by calling ATL on 1-201-825-1400 (USA) or (0)1908-351700 (England).

2) TANK UNIT In your foam-filled fuel cell bladder, cut a "void" 2.75"L x 2"W x 2"H (7cm x 5.1cm x 5.1cm) into the foam at your desired trigger level, and insert the "Tank Unit" (box) with its "UP" side towards the top of the fuel cell as shown in the diagram below. This Unit will trigger when the fuel level reaches a point 1-1/2" (3.8cm) below the top surface of the box.

3) BULKHEAD FITTING Remove the fuel cell cover plate and drill a 21/32" (.66" or 1.7cm) diameter hole through it. Install the bulkhead "pass-through" fitting with its "fastening nut" on the underside of the plate (O-ring on top). Run the 2 wires through the 2 passages in the pass-through fitting, and then tighten the top-sealing "cap nut" for a leak-tight seal. Reinstall the fuel cell cover plate with a new gasket, and torque all bolts as specified on the fuel cell. Using 16 ga. wire, connect as shown in the diagram below.

4) INDICATOR LIGHT This kit is supplied with a 12 volt LED indicator lamp which should be mounted within the driver or operator's view. Note that this indicator lamp is polarity sensitive. The +12 volt lead must be attached to the gold terminal marked (=) for the lamp to operate correctly.

Contents of KS109L KIT:



AERO TEC LABORATORIES INC.
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 Tel: 201-825-1400 • Fax: 201-825-1962
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 Milton Keynes, England MK13-8PU
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 email: atl@atlltd.com www.atlltd.com



High Fuel Level Indicator

For Foam-Filled Fuel Cell Bladder Tanks Only. ATL Part# **KS109H**

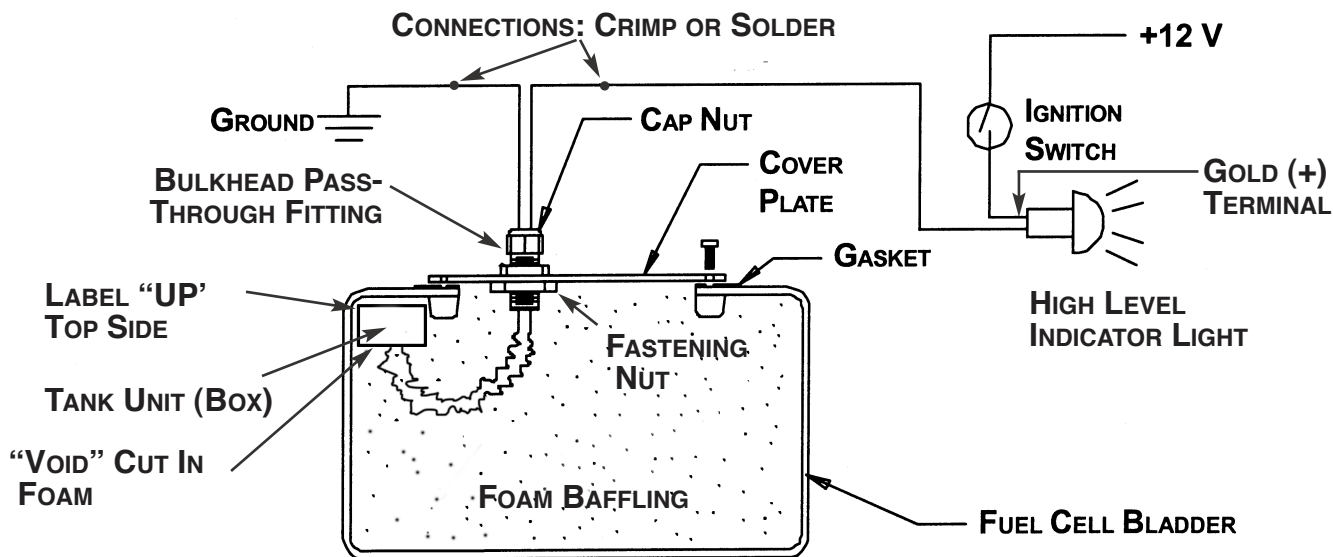
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