

# ATL® Safety Fuel Cell Installation Procedures

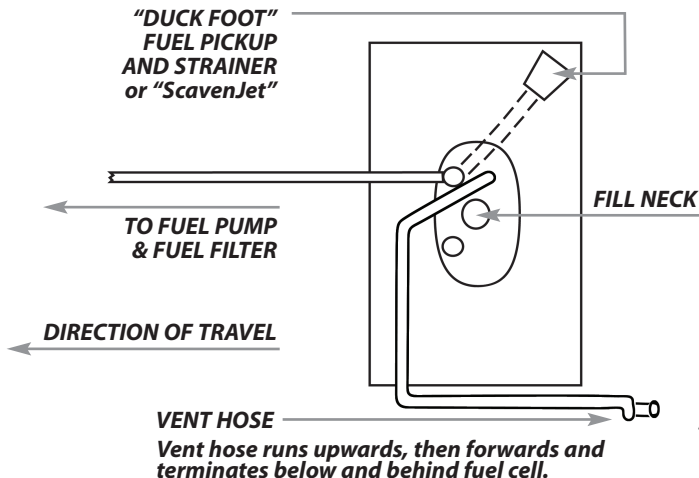
**SUPER CELL®, SPORTS CELL® and SAVER CELL®**

## FOLLOW THESE STEPS IN SEQUENCE

1. Mount fuel cell between frame rails as far inboard as possible.
2. Secure fuel cell container in a recessed well with minimum 1"x 1" square steel tubing. Consult NASCAR or FIA Rule book for full installation compliance.
3. Do not insert fasteners through the fuel cell container as they could chafe the bladder.
4. Be sure fuel pickups are positioned toward the rear of the bladder to assure positive fuel feed during acceleration.
5. For Circle Track racing, use the right side pickup. See Diagram #1.
6. For Road Circuits use two fuel pickups as shown in Diagram #2. Otherwise use left pickup on clockwise tracks and right pickup on counter clockwise tracks. Don't "T" two pickups to one pump.
7. For Off-Road & Drag Cars, use road course hookup as shown in Diagram #2.
8. The vent line should loop forward of the cell to exit as shown in Diagrams #1 and #4 (on next page). Super Cells, Sports Cells, Saver Cells and Racells have built-in vent check valves. However, a Discriminator Valve should be used in the vent line for dry-break refueling operations. Request Data Sheets DS374 and DS389 for quick-fill systems. Quick-Fill requires min. 1" dia. vent.

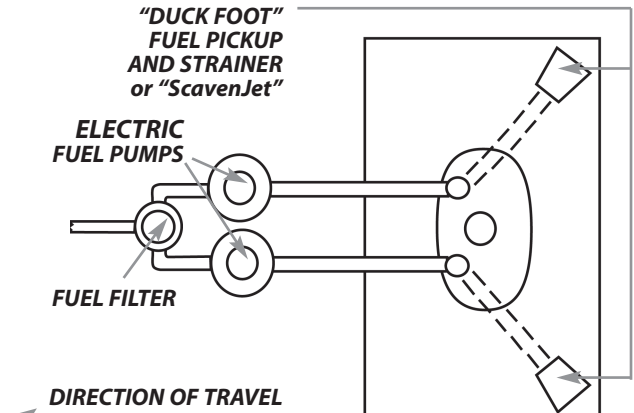
### DIAGRAM #1

*Suggested Circle Track & Race Boat Hook Up For Left Turns Only.*



### DIAGRAM #2

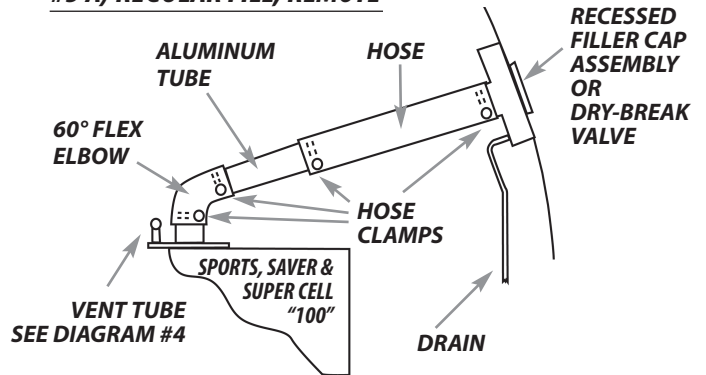
*Suggested Road Course & Off Road Hook Up for Right & left Turns.*



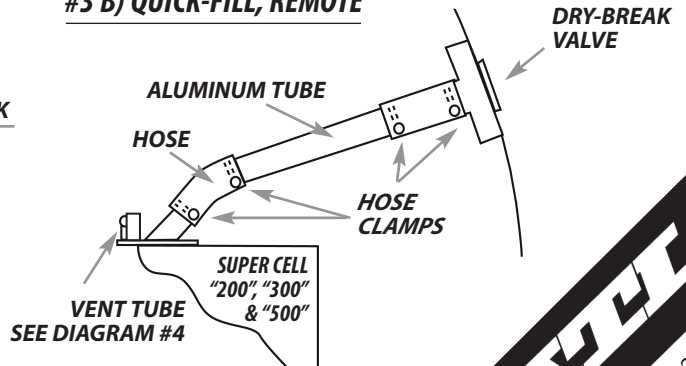
### DIAGRAM #3, (A & B)

*Remote Fill and Fast Remote Fill applications.*

#### #3 A) REGULAR FILL, REMOTE

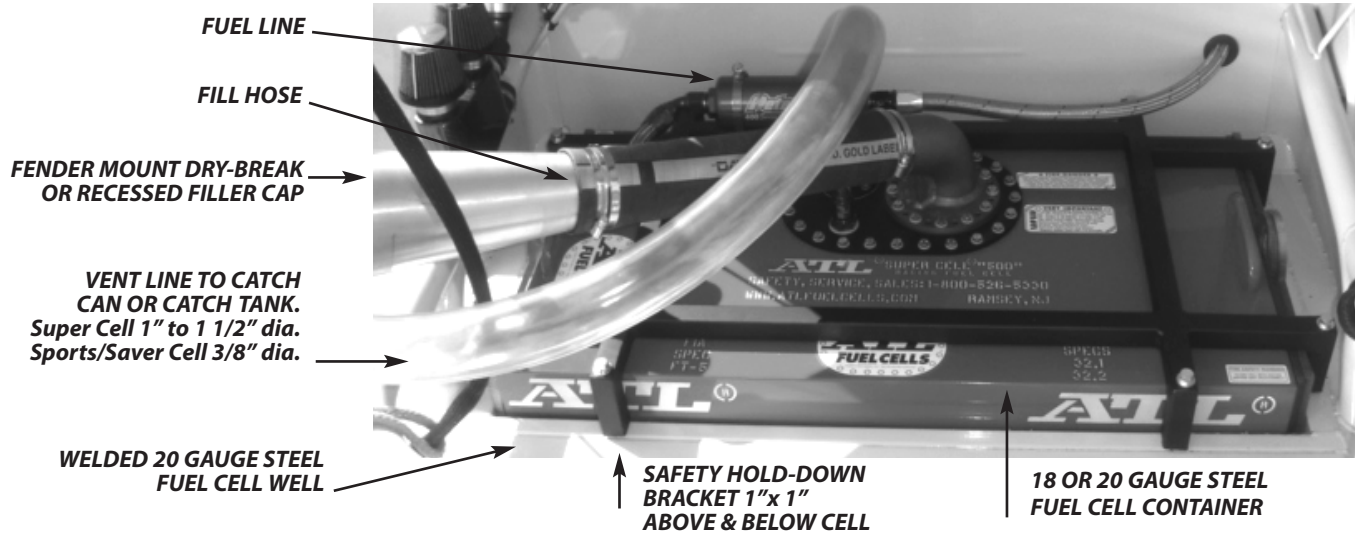


#### #3 B) QUICK-FILL, REMOTE



INTERNAL "SURGE TANKS" ALSO AVAILABLE. SEE ATL BULLETIN #DS-484

**DIAGRAM #4** Typical ATL Safety Fuel Cell Installation



**FITTING-PLATE MOUNTING: SUPER, SPORTS & SAVER CELLS**

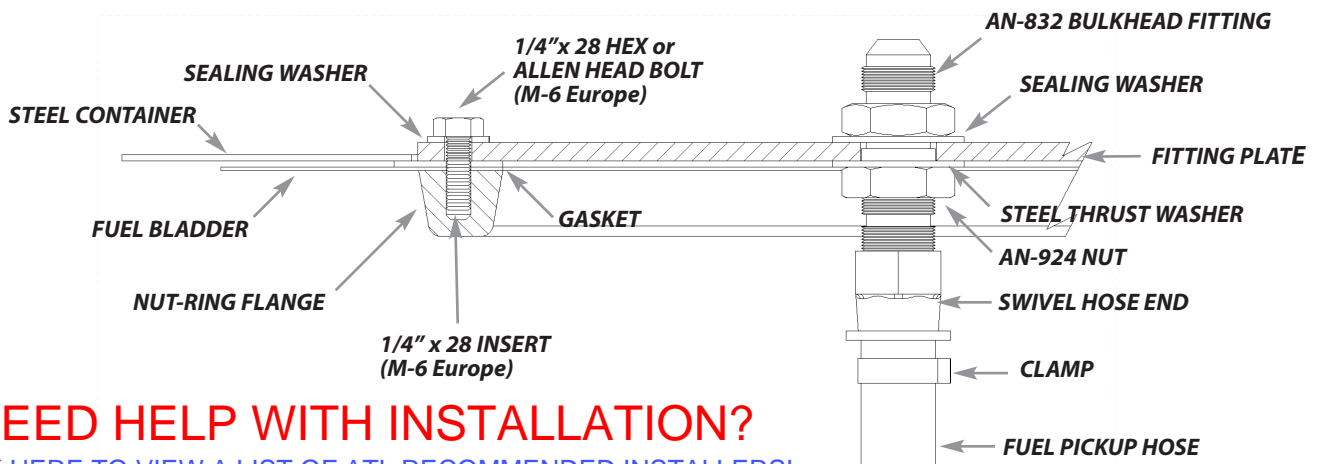
To mount fitting-plate assembly to fuel bladder, see Diagram #5 and:

1. Position Duck Foot fuel pickup and strainer underneath foam and locate in rear corners of bladder per Diagrams #1 & #2.
2. Holding fitting plate to within 2" of bladder, tighten swivel hose-end(s) to bulkhead fitting(s) on fitting plate.
3. Position gasket under plate.
4. Secure fitting plate to fuel cell nut-ring using the 1/4"x 28 bolts, sealing washers & break-away tabs supplied.
5. Tighten bolts firmly with 7/16" wrench or 5/32" allen key (40 inch lb. torque).

6. To remove plate -- reverse procedure. Be careful not to dislodge pickup when lifting fitting plate. Always flush cell with water before any disassembly.
7. Fuel fittings on ATL cells are standard "AN" type components. All matching couplings should be either "AN" aircraft type or J.I.C. hydraulic fittings (37° seat).
8. See also sheets #DS-403 Assembly Cutaway and #DS-447 Assembly Instructions.

**CAUTION: Do not weld near fuel bladders. Excessive heat and weld spatter can cause fuel cell damage and/or create a fire.**

**DIAGRAM #5** Section View Through Nut-Ring & Fitting Plate. SUPER CELL®, SPORTS CELL®, SAVER CELL®



**NEED HELP WITH INSTALLATION?**

[CLICK HERE TO VIEW A LIST OF ATL RECOMMENDED INSTALLERS!](#)



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