



Holley
HydraMatTM
FUEL RESERVOIR SYSTEM

Holley® **INTRODUCING** **THE AMAZING** **HydraMat™** **FUEL RESERVOIR SYSTEM**

Holley's patent pending design that solves the problems associated with traditional fuel pick ups in stock fuel tanks as well as racing fuel cells. During hard cornering, acceleration, stopping, inclines, and low fuel conditions fuel runs away from the fuel pick up which introduces air into the system resulting in poor engine performance and even stalling.



Surface tension and fluid wicking are the secrets of the HydraMat's amazing ability to draw fuel from nearly any area that has contact with fuel and store it in the internal reservoir. As an area of the HydraMat is uncovered, the tiny pores of the media seal off thru surface tension, forcing fuel to be contained in the reservoir and drawn from other areas of the mat where fuel continues to be available.

The sheer size and coverage area of the HydraMat allows it to pull fuel from virtually any area in the tank or cell eliminating the need for specialty reservoirs and pick up pumps saving cost and greatly reducing complexity.



"We drained all the fuel out of the fuel cell and ran the car completely out of fuel. We then put one gallon in a twenty-two gallon fuel cell, ran the car four laps on a half mile track and set it at the top of 33 degree banking for five minutes and the car never lost fuel pressure! Did four more laps on a half mile track and brought the car to pit row with no drop of fuel pressure whatsoever! Where fuel injection started with fuel pick-up and delivery verses where it is now with the HydraMat is unbelievable. I am very impressed."



Grayling Call

ARCA Director of Competition Race Technology



**RACE PROVEN IN
ARCA RACING
SERIES!**



The HydraMat is available in various sizes to accommodate different tank sizes and openings. Square, rectangular and "X" shaped mats are available to provide easy installation thru various sending unit access holes or fuel cell cover plates. Retrofit devices will be available for stock tank vehicles to ease installation of aftermarket EFI retrofit kits like the Holley Terminator EFI system.

Features & Benefits:

- Patent pending design that solves the problems associated with traditional fuel pick-ups in stock fuel tanks as well as racing fuel cells
- Greatly reduces the potential for air to enter into the fuel system which can result in poor engine performance and/or engine stalling
- Perfect for vehicles experiencing fuel starvation during hard cornering, acceleration, stopping, inclines, and low fuel conditions
- Surface tension and fluid wicking allow the HydraMat™ to continue to draw fuel from the tank or cell even when part of the mat uncovered
- As an area of the HydraMat™ is uncovered, tiny pores in the media seal off through surface tension, forcing fuel to be drawn from other areas of the mat where fuel continues to be available
- Unique internal reservoir assists in keeping fuel available at the pickup even under extreme fuel slosh conditions
- Eliminates the need for specialty reservoirs, sumps and pick up pumps saving cost and greatly reducing complexity
- Also acts as a 15 micron pre-filter eliminating the need for a separate filter before the fuel pump
- Can be folded and compressed for easy installation through a variety of fuel cell openings

Figure 1

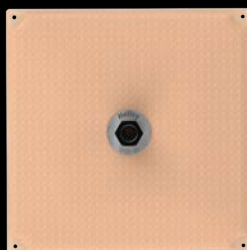


Figure 2

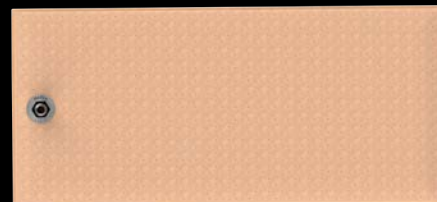


Figure 3

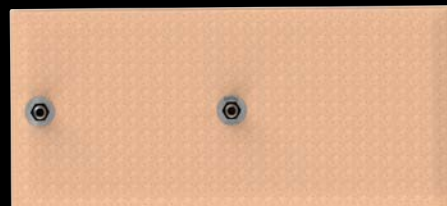


Figure 4

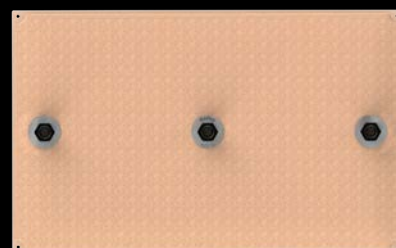


Figure 5



Figure 8

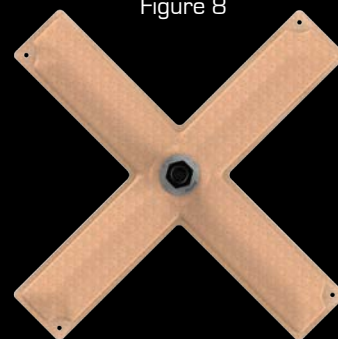


Figure 6

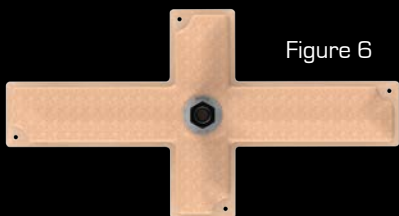
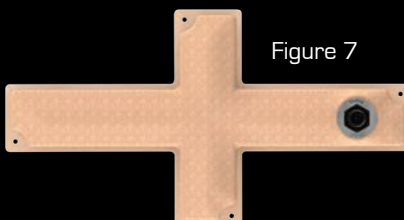


Figure 7



Part #	Description	Acceptable Tank opening	Leg Width	Figure #	Recommended Magnet Kit
16-100	15 x 15 cross - center outlet - 3/8" NPSF	3.15" & larger	2.5"	8	16-204
16-101	15 x 8 cross - center outlet- 3/8" NPSF	3.15" & larger	2.5"	6	16-203
16-102	15 x 8 cross - offset outlet- 3/8" NPSF	3.15" & larger	2.5"	7	16-203
16-103	8 x 8 cross - center outlet- 3/8" NPSF	3.15" & larger	2"	8	16-203
16-104	11 x 11 cross - center outlet- 3/8" NPSF	3.15" & larger	2.5"	8	16-203
16-105	15 x 3 rectangle - center outlet- 3/8" NPSF	2.07" & larger	N/A	5	16-203
16-106	11 x 11 square - center outlet- 1/2" NPSF	4.00" & larger	N/A	1	16-204
16-107	15 x 15 square - center outlet- 1/2" NPSF	4.00" & larger	N/A	1	16-204
16-108	8 x 3 rectangle - center outlet- 3/8" NPSF	2.07" & larger	N/A	5	16-203
16-109	24 x 15 rectangle - center/side/side outlet - 1/2" NPSF	4" x 6" & larger	N/A	4	16-204
16-110	30 x 14 rectangle - center/side/side outlet - 10 AN	6" x 10" & larger	N/A	4	16-204
12-924	ARCA HydraMat™, 30 x 14 rectangle - side outlet - 10 AN	6" x 10" & larger	N/A	2	N/A
12-925	ARCA HydraMat™, 30 x 14 rectangle - side and center outlet - 10 AN	6" x 10" & larger	N/A	3	N/A

CLICK BOND® KITS

Holley is proud to offer Click Bond® products for use in fuel tanks for securing the HydraMat. This surface mounted system simplifies the HydraMat installation process and provides a permanent mounting solution in the fuel tank or cell.



16-201

- Bonded installation compatible with all fuels
- Patented disposable fixture maintains consistent pressure for optimal bond strength
- Available for poly and steel/aluminum fuel tanks

Part #
16-201

Description

Click bond stud kit for use with steel or aluminum fuel tanks
(Includes 4 studs, nuts and washers)

16-202

Click Bond stud kit for use with polypropylene or polyethylene fuel tanks
(Includes 4 studs, nuts and washers)

MAGNET KITS



16-203



16-204

The HydraMat magnet kits are designed as a cost effective solution for mounting the Holley HydraMat in the fuel tank or cell. Ideal for use in fuel tanks with a small sender opening where the Click Bond® kits cannot be used. Once installed, the magnets can be positioned so the HydraMat lays flat in the bottom of the fuel tank.

- Magnet with integrated mounting stud
- Easy installation
- Available in 4-40 or 6-32 stud configurations
- 4-40 kit provides 15 lbs of mounting strength per magnet
- 6-32 kit provides 22 lbs of mounting strength per magnet

Part #
16-203

Description

Magnetic stud mounting kit for HydraMat, 4-40 thread
(Includes 4 magnets, nuts and washers)

16-204

Magnetic stud mounting kit for HydraMat, 6-32 thread
(Includes 4 magnets, nuts and washers)



16-205

16-205

Disc magnet kit for use with 16-203 or 16-204 kits when used on poly tanks (Includes 4 disc magnets)

BULKHEAD KITS

Holley's new fuel bulkhead kits provide an easy, high-quality solution to get wiring or fuel from an in-tank fuel pump through a fuel cell or fuel tank. Our bulkhead kits are available for 2-wire or 4-wire fuel pumps, as well as a fuel bulkhead that allows for easy in-tank fuel pump installation.



Fuel Bulkhead Kit - 26-148

- 3/8" barb to -8 AN
- Hard coat anodized for good looks and corrosion protection.
- 2 Fluorocarbon Stat-O-Seals seal fitting to fuel tank for a worry-free seal
- 3/8" Gates brand reinforced fuel hose that is designed for in-tank applications
- Hose length - 2'



4-Wire Bulkhead Kit - 26-151

- 4-wire over-mold is hermetically sealed on the wires and fluorocarbon O-rings seal the over-mold to the fitting for a leak free seal
- Over-mold is leak tested at 80 PSI with <0.1 SCCM allowable leakage
- 14 gauge wires handle a wide variety of demanding fuel pumps
- Fluorocarbon Stat-O-Seals seal fitting to fuel tank for a worry free seal
- Hard coat anodized for good looks and corrosion protection
- 24" of wire length on each side of fitting to fit a variety of fuel tanks or fuel cells



2-Wire Bulkhead Kit - 26-152

- 2-wire over-mold is hermetically sealed on the wires and fluorocarbon O-rings seal the over-mold to the fitting for a leak free seal
- Over-mold is leak tested at 80 PSI with <0.1 SCCM allowable leakage
- 14 gauge wires handle a wide variety of demanding fuel pumps
- 2 Fluorocarbon Stat-O-Seals seal fitting to fuel tank for a worry free seal
- Hard coat anodized for good looks and corrosion protection
- 24" of wire length on each side of fitting to fit a variety of fuel tanks or fuel cells

ADAPTERS



26-161



AT984008ERL



AT984088ERL



AT984066ERL



AT984068ERL



AT984010ERL



AT981608ERL



AT981610ERL



AT981666ERL



AT165206ERL



AT165256ERL



AT593204ERL



AT993205ERL



AT992910ERL

Part #	Description
26-161	3/8" I.D. x 2' Submersible Rubber Hose
AT984008ERL	Straight 1/2" Hose Barb to 3/8" NPT male
AT984088ERL	Straight 1/2" Hose Barb to 1/2" NPT male
AT984066ERL	Straight 3/8" Hose Barb to 3/8" NPT male
AT984068ERL	Straight 3/8" Hose Barb to 1/2" NPT male
AT984010ERL	Straight 5/8" Hose Barb to 1/2" NPT male
AT981608ERL	3/8" NPT Adapter Pipe Thread to -8 AN
AT981610ERL	1/2" NPT Adapter Pipe Thread to -10 AN
AT981666ERL	3/8" NPT to -6 AN Fuel Line Adapter
AT165206ERL	3/8" Hard Line to 3/8" NPT
AT165256ERL	5/16" Hard Line to 3/8" NPT
AT593204ERL	3/8" NPT Internal Plug
AT993205ERL	1/2" NPT Internal Plug
AT992910ERL	-10 AN Cap

CAUTION: Do NOT use PTFE pipe sealant paste! Loose particles will be drawn into the fuel pump and it will fail!