All necessary components make Fuel Point installation easy.



FUEL POINT DISPENSER MODIFICATION COMPONENTS

The Fuel Point dispenser modification kits include all of the components necessary to modify the dispenser for convenient, dependable Fuel Point use. The system appears to work like magic because the vital dispenser components are hidden from the user. An "out of sight, out of mind" design philosophy discourages tampering.

The dispenser components transmit Vehicle Module data from the tank ring antenna to the Fuel Point Reader. An antenna at the nozzle spout connects via an antenna wire, inside or outside the hose, to an I/S preamplifier in a junction box in the base of the dispenser. The I/S preamplifier amplifies the antenna signal to the Fuel Point Reader to ensure reliable communication.

The Fuel Point System is Underwriter's Laboratories (UL) Listed for running the antenna wire down the inside of the hose in the product path. Intrinsically safe vanes ensure user safety. Special nozzle and hose covers conceal the antenna where it enters and exits the hose, as well as the breakaway area where the wire cannot run through the breakaway. For vapor recovery hoses, the antenna wire is run down outside of the hose so as to not affect the vapor recovery certification. A nylon sleeve conceals the antenna wire in these instances.

Special design considerations help provide safety, trouble-free operation, and long life. A unique hose antenna breakaway connector disconnects if the hose breakaway valve separates due to a drive-off with the nozzle in the vehicle. This preserves the integrity of the antenna, while preventing the antenna from interfering with proper operation of the hose breakaway. The hose antenna connectors allow the system to be easily placed back in operation without rewiring. Plus, the connectors also make changing nozzles a snap, without worrying about twisting the antenna wire. Optional limited rotation swivels prevent the antenna wire from twisting during normal use.



FEATURES AND BENEFITS

- Wide variety of kits provides flexibility to handle most dispenser configurations.
- · Complete kit packages simplify ordering and installation, and control proper matching of components.
- · Special nozzle covers, hose covers and hose fittings discourage tampering by concealing antenna wires.
- Injection-molded nozzle antenna ring withstands tough abuse at the nozzle.
- Intrinsically safe antennas ensure safe operation, even inside hose.
- Antenna breakaway connectors eliminate hose rewiring after hose breakaways and simplify nozzle replacement.
- Optional limited-rotation swivels prevent antenna twisting and breaking during normal use.
- •UL listing and testing help reinforce safe product design.

DISPENSER MODIFICATION KITS

•Kits contain all necessary antenna wire, fittings, junction box and hardware for modifying the dispenser and hose for Fuel Point use.



Hose fittings allow antenna wire to enter and exit hose for concealed wiring.



The I/S preamplifier installs in the j-box in the dispenser base and ensures reliable communication.

·Wide choice of kits: Single or twin, standard or vapor recovery, 3/4" or 1" hose diameter, internal or external hose wire, and high hose retractor configurations.

KIT COMPONENTS

I/S PREAMPLIFIER

- Function: Amplifies the antenna signal to the Fuel Point Reader to ensure reliable communication. Connects to Fuel Point Reader via antenna wire.
- Mounting location: Base of dispenser in kitsupplied junction box.

N-RING NOZZLE ANTENNA

- Function: Transmits and receives communication to and from the vehicle module's T-Ring antenna, connects to I/S preamplifier via hose antenna wire
- Mounting location: Base of nozzle spout, concealed by special nozzle cover on most nozzle types.
- Construction: Single-piece, injection-molded (standard model), special models for vapor recovery.



Special antenna breakaway connectors eliminate hose rewiring from hose breakaway incidents, and simplify nozzle replacement.



Optional limited rotation swivels prevent twisted and broken antenna wires.

SPECIFICATIONS

FUEL POINT FITTING

- Function: Allows antenna wire to enter and exit the hose
- Mounting location: Variable, depends on hose configuration.
- . Construction: Brass with Buna-N o-ring for compression seal.

ANTENNA BREAKAWAY CONNECTORS

- Function: Allow antenna wire to separate during hose breakaway, simplify nozzle replacement.
- Mounting location: Hose breakaway valve and nozzle.

MOLDED COVERS - NOZZLES AND FITTINGS

- Function: Conceal nozzle antenna and antenna wire at points where wire is outside the hose.
- Mounting location: over nozzle, hose fittings and breakaway valve.
- Construction: Gas and oil resistant PVC with UV inhibitor.

NYLON HOSE SLEEVE

- Function: Conceals hose antenna on exterior hose and vapor recovery configurations.
- Mounting location: Entire hose length (should not have ground contact).
- · Construction: Woven nylon mesh.

OPTIONS

LIMITED ROTATION SWIVELS

- Function: Limit rotation to less than 360° to prevent antenna wire from twisting and breaking.
- Mounting location: Nozzle end of hose.

EXTENDED HOSE ANTENNA WIRE OR HOSE SLEEVE

• Function: Provide extended antenna wire or hose sleeve lengths for hoses greater than 15 feet and less than 24 feet.

FLEXIBLE METAL WIRE COVER

• Function: Provide a durable protective cover for the antenna wire in exposed areas at the nozzle or discharge for custom installations.

ALTERNATIVE FUELS AND HIGH VOLUME NOZZLES

• Consult factory on availability of special kits.

APPROVALS

Underwriter's Laboratories (UL listed).

A WARNING

Failure to follow these instructions may result in property damage, personal injury or loss of life. Gasboy products damage, personal injury or loss of life. Gasboy products must be installed by a qualified installer and used in conformance with all building, fire and environmental codes and other safety requirements applicable to their installation and use, including, but not limited to, NFPA 30, NFPA 30A, and NFPA 70. This product is only part of a fuel dispensing system, and additional equipment and accesses on the safety installation and equipment and a def dispersing system, and additional equipment and accessories, such as, but not limited to, breakaway connectors, shear valves, pressure regulators, and other safety devices may be necessary to meet the applicable codes. Qualified installers shall be familiar with fuel systems installations under the above stated building, fre and onvironmental endors and other softety. fire and environmental codes and other safety requirements required for the particular type of installation. Gasboy dispensers shall not be used for the direct fueling of aircraft without filters, separators, and other equipment necessary to ensure product purity. All sales subject to Gasboy standard warranty.

