



WARNING!

Prior To Installation Clean Tank Interior Thoroughly. Install This Fuel Tank ONLY In a Well Ventilated Area, As Gasoline Fumes Are EXTREMELY Dangerous. DO NOT START OR OPERATE THE VEHICLE IF THERE ARE ANY FUEL LEAKS!

IMS Recommends Installation Be Performed By a Licensed Mechanic.

Improper Installation May Result In Severe Bodily Injury Or Death. Read All Instructions Prior To Installation.

Notice: Due to the complexity of the fuel system on the LT-R 450 IMS recommends that a qualified mechanic install this tank. If a Dry Break system is installed the tank must be vented to the atmosphere.

TANK REMOVAL

Drain all fuel from OEM fuel tank into a government approved fuel container with a greater capacity than fuel tank on vehicle. Remove the seat and bodywork covering the tank including the two black plastic brackets that connected the cover to the fenders. Unbolt tank from frame. **Disconnect:** The fuel line at the filter, the large vent line at the top of the tank, both High Pressure lines under the tank and fuel level sensor cable. Remove tank from quad along with the attached fuel filter.

Remove all mounting hardware from OEM tank (seat hook, rubber pad at front, rubber grommets and spacers from the mounting loops at the back).

TANK INSTALLATION

Use the 1/2 to 1/4 hose reducer and vent line provided to extend the large vent line coming from the pump. Remove the plastic tray that's over the engine. Route the extended vent along side the radiator hose, go under the frame cross member and up to the steering stem. Replace the tray.

Install the grommets and sleeves into the IMS brackets. These brackets replace the plastic mounting loops of the OEM tank. Position the brackets so each leg is pointing up and are closest to the center of the bike. Using the OEM hardware bolt the brackets to the frame and tighten. Transfer the OEM seat catch, rubber pad, fuel filter, bypass valve and hoses to the IMS tank. All hoses should be routed the same as OEM except the pump and filter vents. Cut out the two drill templates and drill the body work as directed.

Place the IMS tank onto the frame making sure the filter vent hose comes up in front of the tank by the steering stem. Connect the two vent lines (pump & filter) to the 1/4 hose fitting at the front of the tank with the Tee and a short length of vent line. Reconnect the two High Pressure lines to the bypass valve on the tank. Lower the tank into position, double check that all hoses are cleanly routed (no kinks or restrictions). Attach the mounting brackets to tank using (2) 6x20mm flange head bolts & lock washers then tighten. Reconnect the fuel line from the pump to the filter.

Attach the front fender and shrouds to the IMS tank using the (4) 6 x 12mm flange head bolts. Fill up the IMS tank and check for leaks, put the seat back on, and enjoy the longer ride.

"FOR COMPETITION USE ONLY"

**"Legal in California ONLY for racing vehicles
Which may never be used upon a highway."**

SUZUKI LT-R450

FUEL TANK:

3.6 GALLONS

IMS Mold ID# : LT-3

SUZUKI: LT-R450 (06-09')

IMS Part #: 125512 / 225512

PARTS LIST

- (1) Fuel Tank
- (1)*Gas Cap & Seal
- (2) Mounting Brackets #LTR1
- (2) 6 x 20mm Bolt w/10mm Hex
13.3mm Flange
- (2) 6mm Lock Washers
- (4) 6 x 12mm Bolt w/10mm Hex
13.3 mm Flange
- (1) Vent Line 7/32" x 24"
#27043

Hose Fittings:

- (1) ^1/2 Hose to 3/8 Pipe
- (1) ^3/8 Hose to 3/8 Pipe
- (1) ^1/4 Hose to 1/8 Pipe
- (1) 1/2 Hose to 1/4 Hose
Reducer
- (1) 1/4 Tee
- (1) Hose Clamp

*(Excluded on the Dry Break Series)

^(attached to tank at IMS)

STOCK ITEMS TO USE

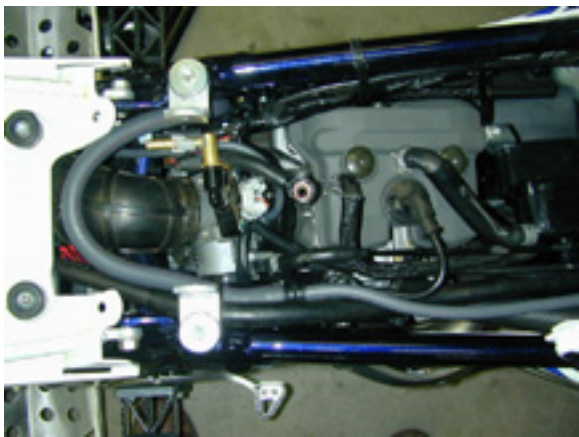
- Rear Mounting Grommets, Spacers, Bolts, & Washers
- All Fuel System Components

DISCLAIMER:

Due to uncontrolled variables in the manufacturing process of rotationally molded fuel tanks, the fuel tank may vary in size and shape by up to 7% of the manufacturer's original listed capacity



Fuel pump vent line routing



Drill template placement.

Drill templates for top mounting holes

