



700 S. Hathaway St. Unit E
Banning, CA. 92220

Web: <http://www.imsproducts.com>
Orders/Information: (951) 653-7720

KTM 2 & 4 Stroke
4.5g Fuel Tank
IMS Tank ID: KTM-34B
IMS Part # 113352 & 213352

(22½ - 24½) 450SX-F Factory
Edition
(23-25) SX/XC & SX-F/XC-F
(24-25) EXC-F / EXC-F Six
Days, & XCF-W Models

Also Fits (24-25) XC-W TBI
Models With Additional Oil
Relocation Fitting From
IMS. P/N: 322151-KIT

Tank & TBI Fitting Sold as Kit
P/N: 113355/213355

IMS PARTS LIST

- (1) Fuel Tank
- ***(1) Gas Cap (322100-BLK)**
- ***(1) SEAL (322101)**
- (*Excluded on Dry-Break*)**
- (22") 5/16" Fuel Line (PA-27340)
- (1) Female Quick Disconnect (MCM-5012K85)
- (2) Pinch Clamps (MCM-5435K14)
- (4) 5x16 Flat Head Screw (MCM-93395A307)
- (2) HUS-23 Bracket (BRK-IMS-HUS-23)
- (4) 5x12 Hex Head Big Flange Bolts (MTP-1189105012)
- (1) Set of Drill Point Templates For "KTM-34"
- (2) Short Sit Washer (BRK-SITWASH-S)
- (2) 5x25 Flat Head Screw (MCM-91263A836)
- (10) 5x12 Button Head Flange Bolt (MTP-73801F05012)
- (2) Aluminum Spacer (BRK-IMS-0831)
- (2) 5mm Flat Washer (MTP-9028105001)
- (2) Long Sit Washer (BRK-SITWASH-L)
- (4) Black Spacer (MCM-90061A015)

OEM ITEMS TO USE

- Shrouds (With Mods)
- Old Style EFI Fuel Pump & Regulator

WARNING!

Clean Tank Interior Thoroughly Before Installation. 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 That Installation Be Done By a Licensed Mechanic. Read All Instructions First Before Beginning Installation.

TANK REMOVAL

This tank requires the separate purchase of the following KTM parts for proper installation:

KTM EFI fuel pump (P/N: 79707088300)
KTM fuel pump nut (P/N: 78107088014)
KTM 90 degree fuel connector (P/N: 77707988017)
KTM gasket kit (P/N: 78107089100)

Drain all fuel from OEM fuel tank into a government approved fuel container with a greater capacity than the fuel tank on vehicle. Remove seat, shrouds, seat hook, tank bolt and center-mount bushing. Identify where the Fuel Pump Electrical Line meets the main wiring harness on your bike. VERY CAREFULLY cut and release the electrical tape at this junction, just enough to allow you to move the fuel pump line from the bottom of the loom to the top (**Illustration 7**). There is only a single layer of tape in this area, be very cautious not to damage any wires. Rewrap as necessary.

Slight modifications to your left side shroud are recommended by IMS but not required. If no modifications or trimming are done, then the left shroud may bend/warp slightly. (**See Illustration 6**) to see modifications on left shroud.

TANK INSTALLATION

Install the OLD STYLE pump into the IMS tank using the supplied (4) 5x16mm Flat Head bolts, KTM Pump Nut and KTM 90-degree Pump Fitting. Connect the supplied 5/16 Fuel Line and Coupler to the KTM Pump Fitting using the supplied Crimp Rings on the fitting and coupler (Do not crimp the rings until a routing path has been determined as explained in the next step). Identify the final position KTM Pump Fitting will be in once the tank is installed. Using this position as a guide, identify a safe routing path for the 5/16 fuel line to reconnect to the OEM Male coupling. Some trimming may be necessary. Mount your IMS tank onto the bike, reconnect the fuel line & power cable to the pump and install OEM center-mounting bushing & bolt.

Install the long radiator bracket (BRK-IMS-HUS-23) to Radiator using (2) OEM bolt as shown in (**Illustration 1**) on left and right sides. Secure other end of the brackets to your IMS Tank using the remaining 5x12mm Hex Head flange bolts, (2) on each side.

Be sure that the tank is mounted securely and does not bind or in any way inhibit the controls or function of the vehicle. Ensure that there are no sharp objects that rub against the tank that may eventually puncture the tank. Check that you have sufficient clearance from any heat source that could melt the fuel tank.

On both the left- and right-hand side, the radiator mounting fin will need to be removed (See Illustration 2). After removing the mounting fin, use the included template stickers to identify drill locations on your shrouds (**See Illustration 3**). Once template is installed mark each drill location (Red "X" on Templates) with a sharp tool. Next, attach (2) Short Sit Washers & (2) 5x12 Button Head bolts to the sides of your IMS tank on the middle insert (**See Illustration 4**). Slide your shrouds into position onto the Seat Hook/Sit Washers. At the top rear inserts, assemble the following parts in this order: aluminum spacer, then shroud/plastics, then flat washers, then the long seat hook/sit washer, and finally the 5x25 Flat Head bolt (**See Illustration 5**). **These will act as the new seat hook locations on right and left rear inserts instead of using your OEM seat hook.**

Place shrouds onto your IMS tank, temporarily installing using 5x12 button flange bolts and use this tiny hole to locate the inserts on your IMS tank. Small adjustments may be necessary to center these bolt locations. Remark your shrouds with the center point of the inserts and drill center point with a small drill bit. Use the drilled holes in your shrouds as identifiers to find the center of the inserts on your IMS Tank. Re-drill these holes, with the center of the INSERT as your location. Use a drill bit large enough for the small black spacers to slide into, but not go all the way through your shrouds. Install shroud to your IMS tank using the provided 5x12 button flange bolts and Small Black Spacers at the newly drilled locations (3 on each side) and 5x12 button flange bolts at OEM mounting locations. The black spacers are used only at the locations from the templates IMS provided. Reinstall the OEM Seat.

Add fuel to your new IMS fuel tank. Always check for any fuel leaks before operating your bike and enjoy your longer ride!

"FOR COMPETITION USE ONLY"

"Legal in California ONLY for racing vehicles which may never be used upon a highway"

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

Illustration 1

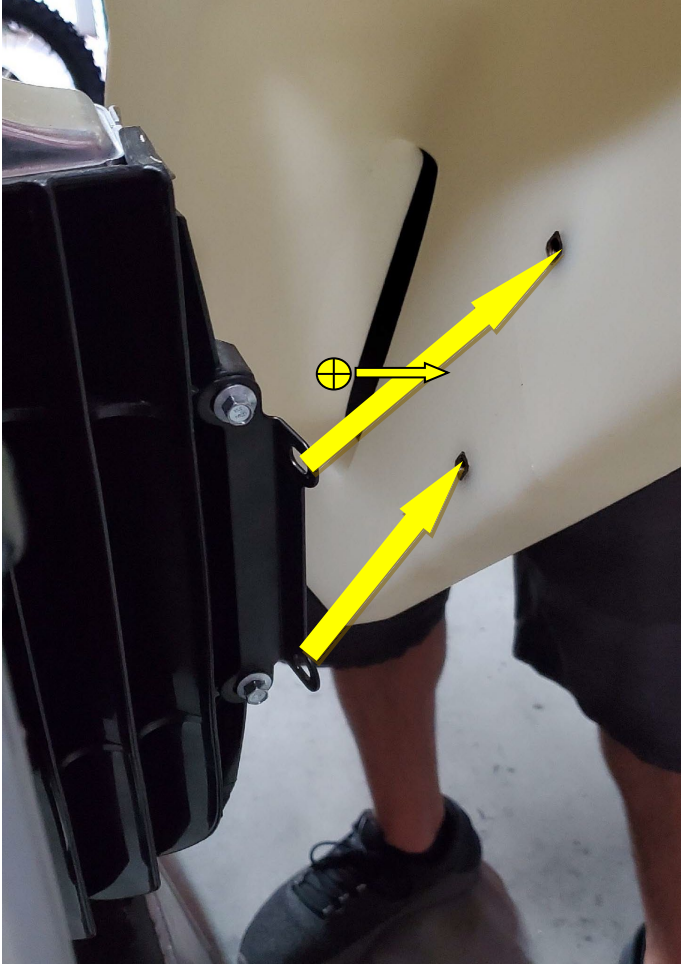


Illustration 2



Illustration 3



Illustration 4



Illustration 5



Illustration 6



Illustration 7

