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**YAMAHA:**  
**YZ450FX/WR450F (19-23)**  
**YZ250FX/WR250F (20-24)**

**TANK ID: YZ-28**

**IMS PART#**  
**117340/217340**

2.8 gal – 7.6 liters

### **PARTS LIST**

- (1) Fuel tank
- (1) Gas Cap-322100-BLK\*
- (1) SEAL-322101\*
- (\*Excluded on Dry-Break\*)
- (2) Side brackets (BRK-IMS-YB-1)
- (2) 6x16 L/flange(MTP-5369106016)
- (2) 6x16 buttonhead (MTP-7380106016)
- (4) 6x18 washers(9028106001)
- (5) 5x16 Allen (MTP-91290F016)

**\*TO BE USED ON\***

**\*Dry Break tank only\***

- (1) Receiver gasket(#218332)
- (9) #10x1" Phillips Head  
Screws (MCM-90315A511)

### **STOCK ITEMS TO USE**

- Fuel Pump & Hardware
- Tank Rear Mounting  
Hardware
- Shroud Mounting  
Hardware
- Seat Hook Fixture

## **WARNING!**

Prior to Installation Clean IMS 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 That Installation Be Performed By a Licensed Mechanic.  
Improper Installation May Result in Severe Bodily Injury or Death.  
Prior to Installation Read All Instructions.

**Notice: Seat modification required. See Template**  
**On Page 3.**

## **TANK REMOVAL**

Drain the fuel from stock tank into approved gasoline container.  
Remove the seat, radiator shrouds, OEM seat hook with bolt and OEM rear  
mounting bolt & bracket. Raise the tank up, disconnect the fuel line and  
power cable from the fuel pump and remove tank. Disconnect all electrical  
connections to the sub frame including the 4 bolts securing the battery tray.

## **TANK INSTALLATION**

Transfer the fuel pump (using supplied 5 x 16mm bolts aligned as seen  
in **Fig 1**), seat button, and rear mounting bracket to the IMS tank with the stock  
hardware.

The OEM rubber brackets will have to be removed from the frame, as  
they will not be used with the IMS tank In place of the OEM rubber brackets, the  
"YB-1" brackets will be installed (**See Fig. #2) (OEM Cap Shown in Figure 2**  
**But Will Not Be Used**). Hand tighten the bracket to the frame using the 6mm  
circle hole side in this order, "YB-1" bracket, 6mm x 18mm flat washer then  
6mm x 16mm button head bolt. This process applies to both sides of the frame.  
\*Perform these steps before installing brackets to the tank. Unbolt the sub frame  
& swing the back end to the right to get access to slide the IMS tank into the sub  
frame backend first. Align Fuel Line and Power Cable. Now swing the sub frame  
& IMS tank back to the left and place into position. Start but don't tighten two  
sub frame bolts. Reconnect the fuel line & power cable to the fuel pump. Move  
the tank around to line up the front mounting bolts, install the last two sub frame  
bolts & tighten all four bolts to manufacturer's specs. Tighten the brackets to the  
tank using (1) 6mm x 16mm large flange bolt and (1) 6mm x 18mm washer ; this  
process will also apply to both sides of the tank (See Fig.#3).

Attach the rear OEM rear mount bracket to the sub frame.

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 and that  
the fuel line is not kinked or touching anything that could get hot. Trim the seat  
pan to match the template provided. Fill the fuel tank, reinstall your shrouds &  
seat.

**CHECK FOR ANY LEAKS AND ENJOY YOUR 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

Fig. 1

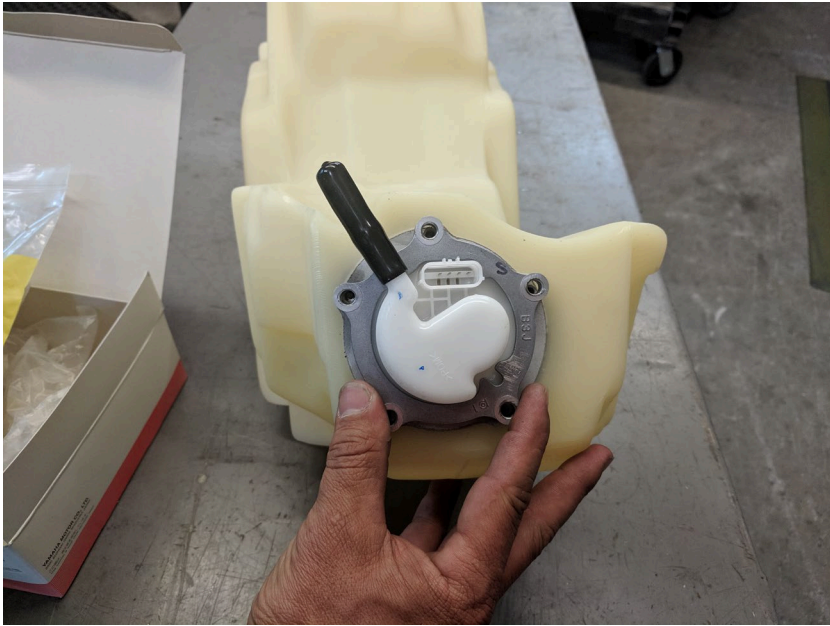


Fig. 2

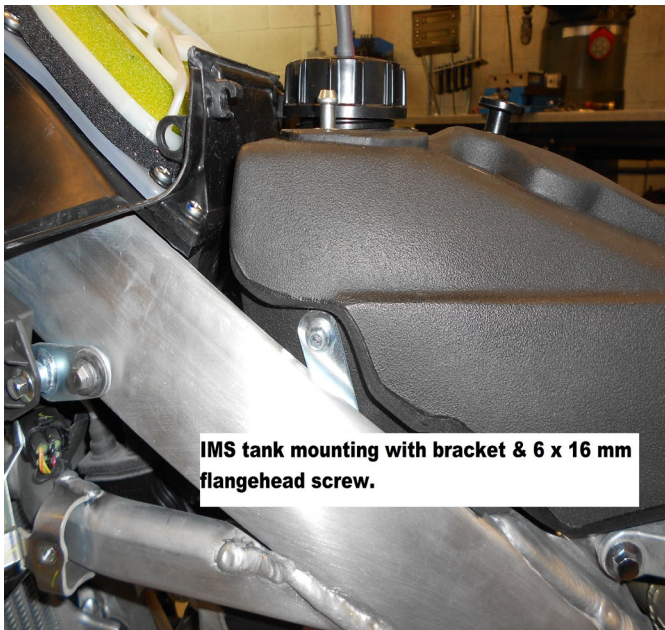


Fig. 3

