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### HONDA 5.7g Tank

CRF450L (19-20)

CRF450X (19-25)

CRF450RL (21-25)

**IMS Tank ID# CR-35**  
**IMS Part #112259 / 212259**

### PARTS LIST

- (1) Fuel Tank
- \***(1) Gas Cap (322100-BLK)**
- \***(1) Seal for Cap (322101)**  
 (\*Excluded on Dry-Break\*)
- (1) 6x25 Flat Washer  
 (MTP-9028106025)
- (1) 6x25 Flange Bolt  
 (MTP-1189106025)
- (6) 6 x16mm Flange 10mm Head  
 (MTP-1189106016)
- (2) 6x16mm Large Flange Bolt  
 (MTP-5369106016)
- (8) 5x12 Big Flange Bolt  
 (MTP-1189105012)
- (1) 6 x 16 Button Head Bolt  
 (MTP-7380106016)
- (3) 6mm Washer (MTP-1258106001)
- (1) 6x12 Big Flange Bolt  
 (MTP-5369106012)
- (4) Plastic Collars (MCM-90061A015)
- (3) Large Rubber Bumpers  
 (MCM-9540K34)
- (2) Domed Rubber Bumpers  
 (MCM-9540K26)
- (1) SB24-2 Front Mount Bracket  
 (BRK-IMS-SB24-2)
- (1) Grommet (MCM-9307K42)
- (1) Metal Spacer (BRK-SP1006X8FK)
- (1) "CR-28" L Bracket  
 (BRK-IMS-CR28-L)
- (1) "CR-29" Bracket (Seat Hook)  
 (BRK-IMS-CR-29)
- (1) O-Ring #R-341 Viton  
 (MCM-9464K156)
- (6) Flat Washers - Spacers \*EFI Pump  
 Sleeve Washer Combination\*  
 (MTP-125819043001)
- (2) Aluminum Collars  
 (BRK-IMS-0832)
- (2) 6x20 Button Head Bolts  
 (MTP-7380106020)
- (2) 6x12 Button Head Bolts  
 (MTP-7380106012)

### STOCK ITEMS TO USE

- EFI Pump Assembly & Screws  
**(OEM O-Ring/Dust Seal Not Used)**
- Fuel Line
- Vent Hose

### **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 installation be performed by a licensed mechanic. Improper

installation may lead to Severe Bodily Injury or Death.

Read all instructions prior to installation.

## **TANK REMOVAL**

Drain the fuel from your stock tank into an approved gasoline container. Remove the seat and then the rubber tank strap. Remove front left & right shrouds and the screw holding the mount at the front of tank, **RED & BLACK STAND-OFFS ON INSIDE PART OF SHROUDS MUST BE COMPLETELY TRIMMED/REMOVED ON BOTH SIDES (SEE FIG. 2)**. Pick tank up off the frame to disconnect fuel line and power cable from EFI pump. When tank is empty, remove EFI pump taking note of the order of washers and sleeves on attachment screws. Store the OEM O-ring & Dust Seal from pump in a sealed container with OEM fuel tank. **IMS application only requires one O-ring and it is supplied in your tank hardware kit.**

## **TANK INSTALLATION**

Mount supplied "CR-29" bracket to IMS tank seat hook location using (2) 5x12mm, large flange bolts (**See Fig. 3**). This setup will replace your OEM seat hook.

After removing the OEM pump, sealing ring, and dust seal, fit the IMS supplied "9464K156" O-ring onto the EFI pump assembly. **Install pump assembly into IMS fuel tank following this sequence: Pump, flat metal pump flange, IMS provided flat washers, OEM spring washers, OEM aluminum sleeves and lastly the OEM stopper cable guide (where applicable). Bolt the entire assembly down using the (6) IMS provided 6x16 flange 10mm head bolts.(See Fig. 5)**

IMS recommends using a bit of Loctite when installing the following grommets/rubber bumpers to your setup. Remember not to overtighten & also DO NOT use Loctite on fuel pump or shroud inserts. Attach large rubber bumper "MCM-9540K34" using (1) 6 x 16mm button head bolt and (1) 6mm washer to frame near right rear of tank (**See Fig. 4 Circled in Red**). Attach remaining (2) rubber bumper "MCM-9540K34" using (2) 6 x 20mm button head bolt and (2) 6mm washer to lower radiator mount locations originally used for the shrouds on left & right sides (**See Fig. 4 Circled in Green**). Attach (2) domed rubber bumpers using (2) 6x12 button head bolts to frame rail mount locations originally used for the shrouds (**See Fig. 4 Circled in Blue**).

Attach the portion of the "SB24-2" mounting bracket with NO rubber bumper at location on front of tank where OEM tank fastened, just below steering head, using the supplied (1) 6 x 12mm large flange bolt. While placing IMS tank onto frame, reconnect fuel line and power cable to EFI pump assembly. Mount the tank to the front of the frame through the rubber grommet on the SB24-2 Bracket using (1) 6 x 25mm, large flange bolt with 6x25mm Flat Washer.

Attach "CR-28" L bracket to the left rear of the tank and your frame using (2) 6x16mm large flange bolts pushing down on the tank while tightening (**See Fig. 6**). \*the slotted portion of bracket should be installed to the tank\*

**DO NOT USE UPPER OEM SHROUD BOLTS ON IMS TANK.** Instead use (4) plastic collars, (6) 5x12mm bolts, and (2) aluminum collars provided by IMS (**See Fig. 7 & Fig. 8**). Use the (2) Aluminum Collars in the middle locations on the sides of the shrouds (**See Fig. 8 Circled in Blue**). OEM hardware/bolt is used for the (2) lower locations (**Fig. 8 Circled in Purple**). Install your seat next, and you'll notice a small gap between the rear part of the shroud & the separate rear plastic (**See Fig. 9**). Optional modification would be to add 2 holes here so that you can zip-tie both pieces together. Push OEM vent hose onto vent nipple of IMS gas cap.

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 or other items that rub against the tank which may eventually be damaged or puncture the tank. Check tank to engine clearance. Fill the fuel tank and install IMS gas cap. **CHECK FOR ANY LEAKS. NO LEAKS. ENJOY YOUR RIDE!!**

**"FOR COMPETITION USE ONLY"**

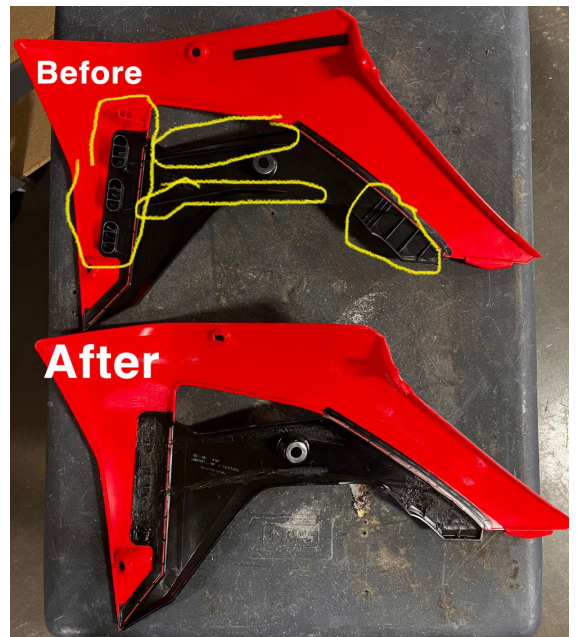
**"Legal in California ONLY for racing vehicles which may never be used upon a highway."**

**DISCLAIMER:** Due to uncontrolled variables in the manufacturing process of rotationally molded fuel tanks, the fuel tank may vary in size and shape

**Fig. 1 (Complete Hardware Kit)**



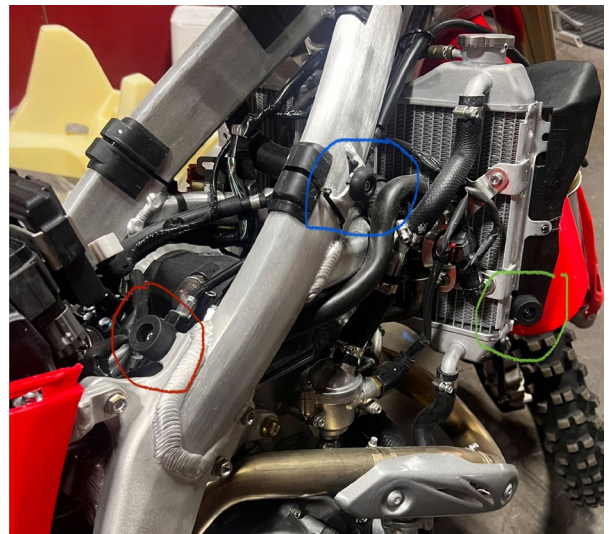
**Fig. 2**



**Fig. 3**



**Fig. 4**



**Fig. 5 (EFI Pump/Metal OEM Flange-Ring/IMS Flat Washer/OEM Crush Washer/OEM Sleeve Combo)**



**Fig. 6**



**Fig. 7 (IMS Bolt & Washer Combo For Shrouds)**



**Fig. 8**



**Fig. 9**

