

YAM YFZ 450R OIL BREATHER OVERFLOW TANK

MODEL; '09-'17 Yamaha YFZ 450R

The OEM breather catch bottle has a tendency to crack. The DR aluminum oil breather bottle was designed, developed and tested under the rigors of serious race conditions. When installed properly this breather bottle will collect any oil that escapes your engine through the breathers and replenish it back into the motor. Without this vital component your engine can run low on oil, causing serious engine damage.

**** Installation uses all stock components, hoses, clamps etc. (Except DR bottle)**

1. Remove seat, front fenders, rear fender, side panels and fuel tank.
2. Remove the OEM black plastic overflow bottle (**Fig. 1**) located on the left hand rear of the machine. Remove the rubber hose from both its motor connection and plastic bottle connection.



Fig.1

3. Remove the Black Damper Plate 1 that sits under the fuel tank (**Fig. 2**) leave the drain hose in place, will be used on new overflow bottle. Trim the tabs off the damper plate see (**Fig. 3**). Reinstall the tabs onto the front fuel mount. Discard remainder of damper plate.



Fig. 2



Fig. 3

4. **2014-17 Models Only.** Remove AIS system from the machine (**Fig. 4 & 4B**) Installation of a Yamaha GYTR AIS Removal Kit (**Fig 4C**) part # 1TD-141B0-V0-00 will be required. ***Must be purchased separately.**
NOTE: When AIS system is removed the system has a plug attached to harness- It is OK to leave this plug – unattached.



Fig.4



Fig. 4B



Fig.4C

5. Remove AIS pipe mount and 4 clamps (**Fig. 5**) from AIS components you just removed. These parts will be required.



Fig.5

6. Modify-cut-bend AIS pipe/cable mount holder (**Fig. 6 & 6B**) so overflow bottle can be mounted to it.



Fig. 6



Fig. 6B

7. Reinstall modified AIS cable holder and AIS block off plate (*from GYTR removal Kit*) onto cylinder head (**Fig. 7**) * Reuse OEM 6mm allen bolts to secure.



Fig.7 '14-'17 Model

NOTE: 2009-13 Models are not equipped with AIS system. These models have their own cable holder that requires minor modification to accept overflow bottle (**Fig. 7B & 7C**) Tab requires bending towards engine approximately ½". Secure rubber hose with OEM clamps.



Fig. 7B '09-'13 Model



Fig.7C '09-'13 Model

8. Install new aluminum overflow bottle to cable holder (**Fig. 8**). Secure with OEM bolt and torque to 7.5 ft. lbs. Bottle should not touch valve cover-recommended clearance 3/16" (**Fig. 9**)



Fig. 8



Fig. 8B

9. Attached drain hose formerly used on discarded damper plate to upper, forward facing fitting on bottle - secure with medium clamp from discarded AIS system. (**Fig.9**)



Fig. 9

10. Install LH case cover breather hose formerly attached to the Black OEM plastic bottle. Hose will need to be cut to approximately 8" (**Fig. 10**) secure hose to lower from bottle fitting. (**Fig. 11**)



Fig. 10



Fig. 11

11. Install unused portion of breather hose (**Fig. 12**) you just cut off on to upper overflow bottle fitting with White dot install down. Secure with small clamp.



Fig. 12

12. Hose must be cut to approximately 9" (**Fig. 13**) and secure to fitting on valve cover. Secure with AIS clamp.



Fig. 13

13. Final Installation pictures (**Fig. 14 & 15**)



Fig. 14



Fig. 15

14. Check oil and coolant levels. Overflow bottle requires no change in oil capacity. See OEM Yamaha Owner/Service Manuals for correct oil capacity requirement.

15. Reinstall fuel tank, side panels, fenders and seat.

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