



INS171 - 10171

WR EDITION SHORT COURSE INTAKE

VEHICLE: YAMAHA YXZ1000R

REVISION_00



<p>PARTS INCLUDED:</p> <ol style="list-style-type: none"> 1. QTY 1 –FILTER HOUSING ASSEMBLY 2. PRE FILTER-SOCK 3. QTY 1 – FILTER SUPPORT BRACKET 1 (BENT PART) (FILTER SIDE) 4. QTY 1 - FILTER SUPPORT BRACKET 2 (MOTOR SIDE) 5. QTY 1 – BREATHER FILTER W/ HOSE CLAMP (CLAMP NOT SHOWN) 6. QTY 1 – VENT HOSE (NOT SHOWN) 	<p>TOOLS LIST</p> <ul style="list-style-type: none"> • FLAT SCREWDRIVER • PHILLIPS SCREWDRIVER • NEEDLE NOSE PLIERS • FLAT NOSE PLIERS • FLUSH CUT SNIPS • 4MM ALLEN DRIVE SOCKET OR L KEY • 5MM ALLEN DRIVE SOCKET OR L KEY • 10MM SOCKET • 10MM WRENCH • RATCHET WRENCH • LONG RATCHET EXTENSIONS 30"
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Installation Instructions:

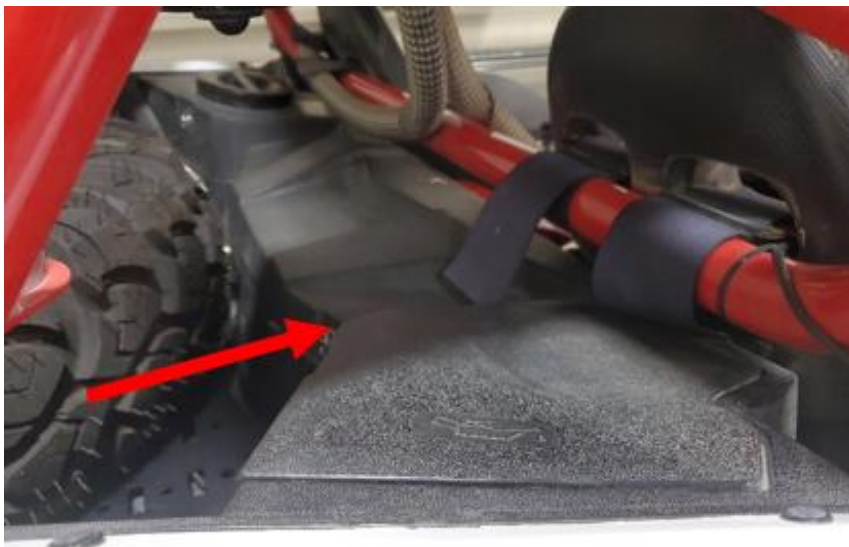
WR EDITION SHORT COURSE INTAKE WILL FIT 2016-2023 MODEL YEAR YXZS. REMOVAL PROCESS OF THE FACTORY AIR BOX WILL VARY DEPENDING ON THE YEAR AND ACCESSORIES. BASIC INSTRUCTIONS FOR REMOVAL ARE ILLUSTRATED ON A 2018 MODEL YEAR YXZ BELOW. THE INSTALLATION OF THIS INTAKE IS RATED DIFFICULT AND IS RECOMMENDED TO BE PERFORMED BY A PROFESSIONAL MECHANIC.

DISASSEMBLY

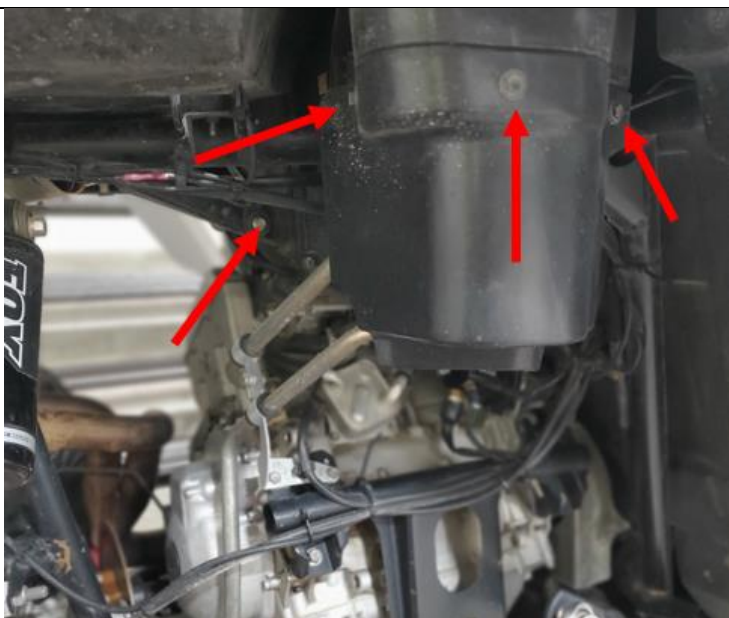
REMOVE FACTORY AIR BOX

REMOVAL OF FACTORY AIR BOX IS MUCH EASIER IF THE BED IS REMOVED BUT CAN USUALLY BE DONE WITHOUT

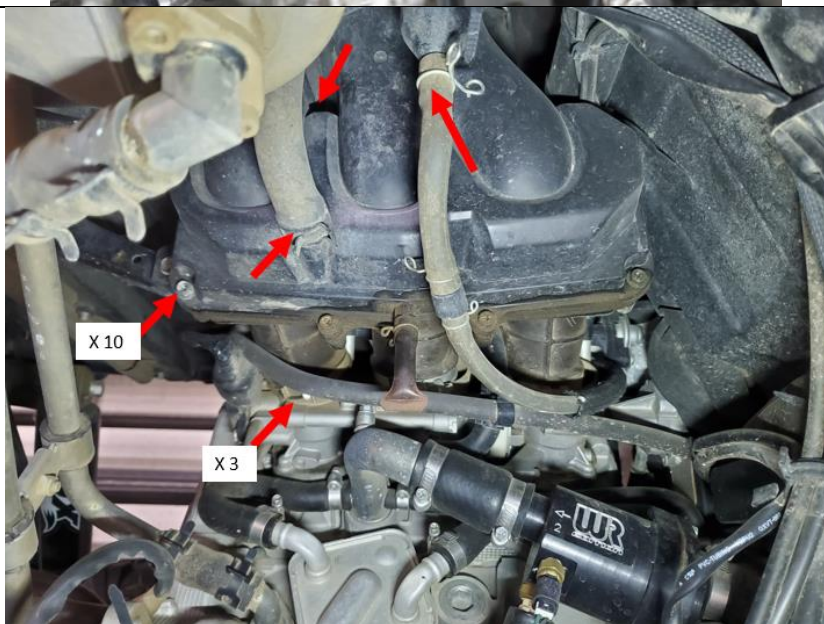
1. **REMOVE UPPER ENGINE COVER PLASTIC** (5 QUICK TURN CLIPS; SAVE TO RE-USE)



2. FROM UNDER THE PASSENGER SIDE WHEEL WELL, **REMOVE OIL TANK LOWER COVER**. 3X 10MM HEX BOLTS (SAVE TO RE-USE)
3. **REMOVE SUPPORT BRACKET BOLT AND TOP HAT WASHER**



4. **DISCONNECT 2 HOSES FROM AIRBOX.**
5. **REMOVE PASSENGER SIDE AIRBOX COVER** (11X M8 HEX SCREWS, ONE IN CENTER OF COVER AND 10 ON OUTER EDGES - ACCESSED FROM FENDER AND TOP ENGINE COVER)
6. **LOOSEN THE 3 HOSE CLAMPS ON THE INTAKE TUBES TO THROTTLE BODY.** (M4 ALLEN) (DO NOT FULLY REMOVE THE SCREWS)



7. FROM UNDER THE DRIVER FENDER WELL, *REMOVE THE AIR FILTER COVER AND AIR FILTER.*



8. *DISCONNECT HOSE AND ELECTRICAL PLUG (ELECTRICAL PLUG HAS CLIP THAT WILL NEED TO BE PUSHED TO RELEASE)*



9. *REMOVE TUNNEL PLASTIC BETWEEN SEATS AS WELL AS INTAKE AIR TUBE (PULL UP ON REAR OF COVER AND SLIDE OUT OF FRONT TAB THEN PULL INTAKE TUBE AT ANGLE TO REMOVE)*



10. REMOVAL OF THE 2ND SUPPORT

BOLT IS DIFFICULT TO ACCESS AND REQUIRES A 10MM SOCKET AND 30" RATCHET EXTENSION. IF YOU LOOK THROUGH THE VENT IN THE SIDE PLASTICS YOU SHOULD BE ABLE TO JUST SEE THE BOLT ABOVE THE 1.5" CHASSIS TUBE. A MAGNET ON A STICK WILL HELP RETRIEVE THE BOLT AND WASHER AFTER IT IS LOOSE.



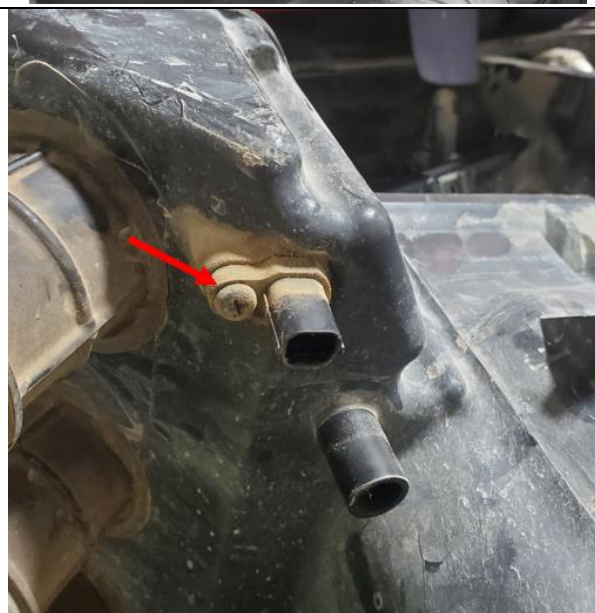
11. REMOVE AIRBOX. THIS STEP IS DIFFICULT AND CAUTION SHOULD BE TAKEN NOT TO DAMAGE ANY PLUGS ON THE TOP OF THE MOTOR.

- **2016 - 2018 MODELS**, CAREFULLY PULL UP ON AIR BOX, ROTATING 90° COUNTERCLOCKWISE AND PULL UP THROUGH TOP ENGINE ACCESS HOLE

- **2019 - 2023 MODELS**, THE AIR BOX WILL NEED TO BE SQUEEZED OUT UNDER THE DRIVER WHEEL WELL (NOT SHOWN)



12. WITH AIRBOX REMOVED, UNSCREW AIR TEMP SENSOR, AND KEEP FOR INSTALLATION. AIR BOX WILL NOT BE REUSED.



13. REMOVE THE CLAMP AND HOSE FROM TOP OF BREATHER CANISTER. SAVE CLAMP TO RE-USE FOR INSTALL. HOSE WILL NOT BE REUSED.



INSTALLATION

14. PLUG AIR TEMP SENSOR BACK INTO PLUG REMOVED AT STEP 7. ZIP TIE PLUG AND SENSOR TO FUEL RAIL ON TOP OF MOTOR AT LOCATION SHOWN.

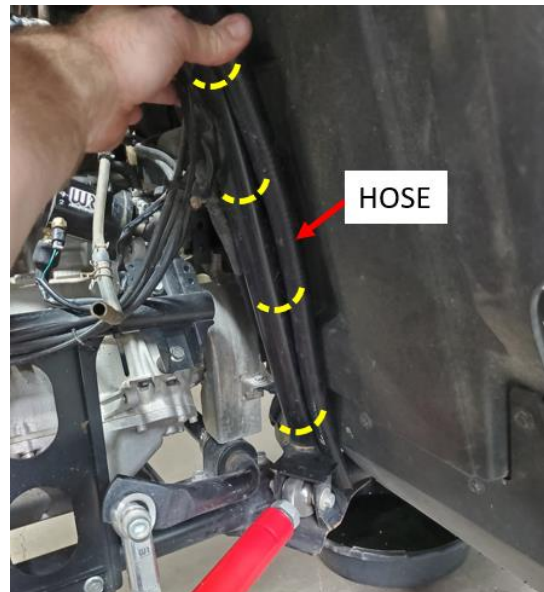


15. INSTALL SUPPLIED BREATHER HOSE. SLIDE STRAIGHT END OF HOSE THROUGH GAP IN PLASTIC AND OVER CANISTER. HOSE SHOULD ALSO GO OVER THE FRAME TUBE.

16. TUCK THE HOSE UNDER PLASTICS SO THAT IT MAKES A NICE LOOP BACK TOWARDS THE GROUND. SECURE WITH HOSE CLAMP SAVED FROM STEP 12.



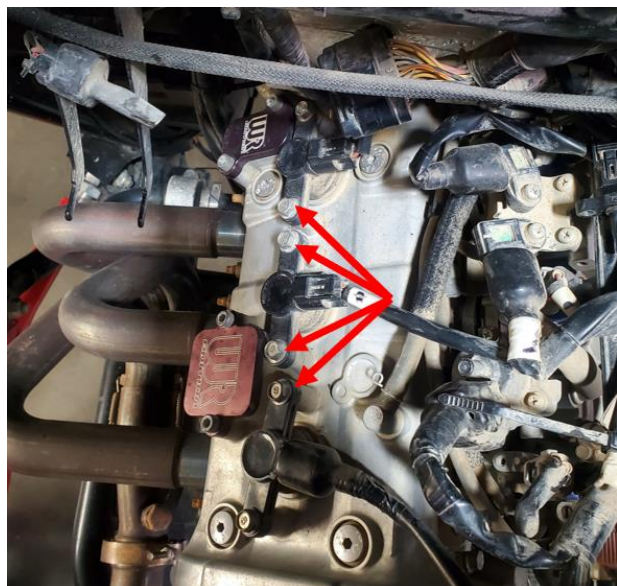
**17. SECURE HOSE TO FRAME TUBE
WITH ZIP TIES.**



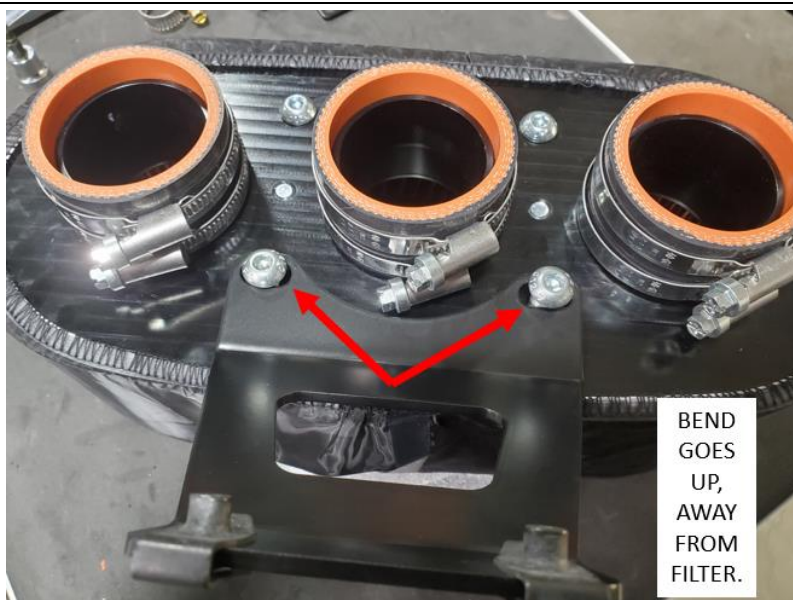
**18. SECURE SUPPLIED BREATHER
FILTER TO CRANK CASE VENT TUBE
WITH SUPPLIED HOSE CLAMP.
TUCK FILTER AND HOSE UP THE
RIGHT SIDE OF THE THROTTLE BODY
TO TOP OF MOTOR. SECURE WITH
ZIP TIES AS NEEDED.**



**19. REMOVE 4 INNER MOST SPARK
PLUG COIL BOLTS.**



20. SECURE SUPPORT BRACKET (ITEM #3) TO AIR FILTER HOUSING USING BUTTON HEAD BOLTS (5MM ALLEN) *HIGH STRENGTH LOCTITE SHOULD BE USED ON THESE BOLTS.* ALIGN BRACKET SLOTS ON FILTER HOUSING HOLES (CAN BE ADJUSTED IF NEEDED, FOR ALIGNMENT). (FILTER COVER BOLTS ON OPPOSITE SIDE OF HOUSING CAN BE LOOSENED IF NEEDED TO ALIGN THREADS. IF LOOSENED THEY SHOULD BE SNUGGED BEFORE FINAL TIGHTENING OF BRACKET BOLTS.)



THE K&N MAIN FILTER AND BREATHER FILTER ARE RE-USABLE AND WILL COME PRE-OILED WHEN NEW.

TO CLEAN YOUR FILTERS FOR MAINTENANCE, REMOVE THE OUTERWEAR AND REMOVE THE 4 BUTTON HEAD BOLTS. (5MM ALLEN) WASH AND OIL FILTER PER K&N INSTRUCTIONS.

DO NOT USE LOCTITE FOR RE-ASSEMBLY. WE ALSO RECOMMEND THE USE OF K&N SEALING GREASE ON FLANGES OF MAIN FILTER.



21. INSTALL FILTER HOUSING ONTO THROTTLE BODY

ENSURE THROTTLE BODIES ARE FREE FROM DUST AND DEBRIS! FROM UNDER THE PASSENGER WHEEL WELL, SLIDE FILTER HOUSING RUBBER BOOTS ONTO THROTTLE BODIES. CHECK BOOTS ARE NOT FOLDED UNDER THE THROTTLE BODIES AND THAT THEY ARE SEATED PROPERLY)

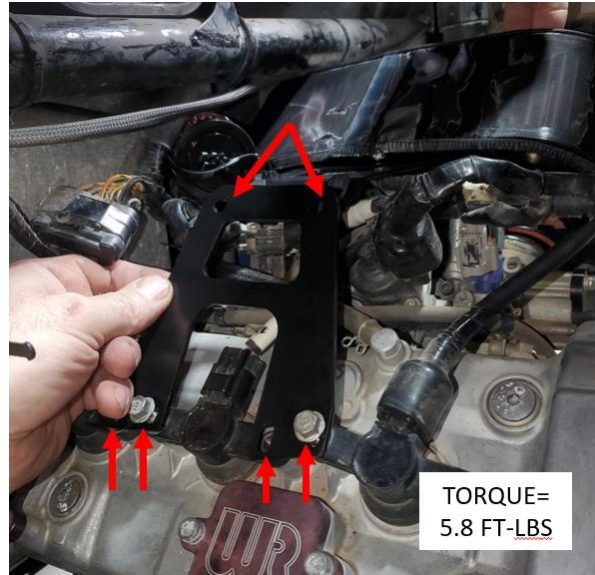
22. *SNUG BUT DO NOT OVER TIGHTEN ALL 6 HOSE CLAMPS,* OVER TIGHTENING CAN DAMAGE THE SILICONE.



23. INSTALL 2ND HALF OF SUPPORT BRACKET (ITEM #4)

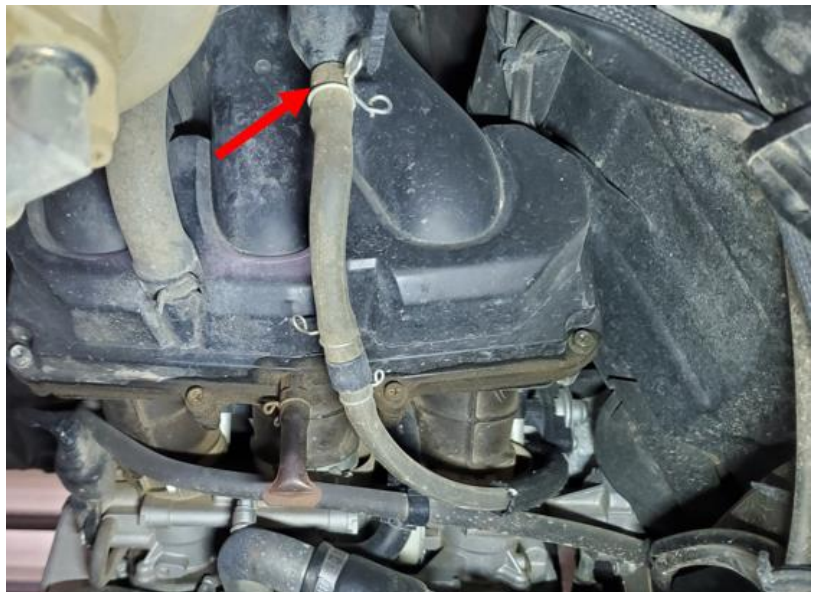
FROM DRIVER WHEEL WELL,
REINSTALL 4 BOLTS FROM STEP 18
TO MOTOR AND 2 SUPPLIED BOLTS
INTO J-NUTS IN BRACKET #1.

**TORQUE ALL 6 BOLTS TO 8 Nm 5.8
FT-LBS. DO NOT OVER TIGHTEN.**



24. RECONNECT HOSE TO BOTTOM OF BREATHER CANISTER

RECONNECT HOSE FROM STEP 3.
(NOTE: PHOTO SHOWS FACTORY
AIR BOX, BUT HOSE AND LOCATION
ARE CORRECT)



**25. REINSTALL OIL TANK COVER,
CENTER CONSOLE PLASTIC, TOP
ENGINE COVER AND ANY OTHER
PARTS REMOVED FOR ACCESS.**

THIS COMPLETES THE INSTALL!

**BE SURE TO CHECK OUR WEBSITE,
WELLERRACING.COM FOR OTHER
COMPATIBLE PARTS AND
ACCESSORIES FOR YOUR RIDE!**



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