

How to Change the Oil in a 2015 Yamaha YZF-R3

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How to Remove the Lower Fairings on Your Bike

Removing the lower fairings will make the drain bolt and oil filter easier to access. It will also ensure no oil spills onto the lower fairings during the draining process.

Follow this process to remove the fairings on both sides of the bike.

Supplies

In order to remove the fairings, you will need the following tools.

Item	Required
4 mm allen wrench	Yes
Plastic bag for bolts	No

1. Unscrew the bolts on the trim piece underneath the seat.
2. Pull the trim piece away from the bike to release the rubber grommets.
3. Unscrew the three bolts of the side cowling.
4. Pull the upper portion of the side cowling down and away from the bike to release the connector hooks.
5. Pull the lower portion of the side cowling straight down to release the lower connector hooks.
6. Pull the very bottom of the side cowling away from the bike to release the lower grommet.

How to Drain Your Engine Oil

Draining the old oil in your bike is simple and effective for keeping it at optimum performance. You can also check for engine malfunctions by draining your oil.

You should drain your oil as prescribed by the maintenance schedule in your owners manual.

Supplies

In order to drain your oil, you will need the following tools.

Item	Required
12 mm socket wrench	Yes
Oil drain pan	Yes
Disposable latex gloves	No

1. Start engine and let idle for at least five minutes.
2. Turn off engine and battery.
3. Apply disposable latex gloves to hands.
4. Place the oil pan underneath the drain bolt and crankcase.
5. Unscrew the drain bolt and set it to the side.
6. Allow oil to drain into oil pan completely.

How to Replace Your Engine Oil Filter

Replacing your oil filter will increase the longevity of your oil. It will also keep the oil at optimum quality while running through your engine.

The oil filter should be replaced whenever you change your oil.

Supplies

In order to replace your oil filter, you will need the following tools.

Item	Required
17 mm socket wrench	Yes
Oil filter wrench	Yes
New oil filter	Yes
YamaLube 10w-40 motorcycle oil	Yes
Oil drain pan	Yes
Torque wrench	Yes
Disposable latex gloves	Yes

1. Loosen the filter with the wrench and manually unscrew the filter from the engine.
2. Place the filter on the oil pan and allow additional oil to drain from the engine.
3. Use your finger to apply a small amount of fresh oil to the O ring of the new filter.
4. Manually thread the new filter onto the bike until it becomes difficult to tighten.
5. Set the torque wrench to 17 Nm and tighten new filter until you hear the wrench click.

How to Fill Your Engine with New Oil

Adding new oil is essential to preserving the life of your engine. It also helps to prevent build-up in your engine's mechanisms.

Remember to check your oil level before each ride.

Supplies

In order to add new oil to your engine, you will need the following tools.

Item	Required
New gasket	Yes
Torque wrench	Yes
YamaLube 10w-40 motorcycle oil	Yes
Funnel	Yes
Oil drain pan	No
Disposable latex gloves	No

1. Replace the used gasket on the bolt with a fresh gasket.
2. Manually thread the drain bolt back on until it becomes difficult to tighten.
3. Set the torque wrench to 20 Nm and tighten drain bolt until you hear the wrench click.
4. Remove the oil filler cap and insert funnel.
5. Pour 2.10 L of fresh oil into the funnel at a slow and steady pace to avoid overflow.
6. Remove the funnel and replace the oil filler cap.
7. Start the engine and let it run for a few minutes while checking for any oil leaks.
8. Turn the engine off and hold the bike upright to check the oil level through the engine oil level check window.

Supplies for Oil Change

Having the following supplies will allow you to change your oil without having to take your bike to a shop.

Item	Required
4 mm allen wrench	Yes
Plastic bag for bolts	No

Item	Required
12 mm socket wrench	Yes
Oil drain pan	Yes
Disposable latex gloves	No

Item	Required
17 mm socket wrench	Yes
Oil filter wrench	Yes
New oil filter	Yes
YamaLube 10w-40 motorcycle oil	Yes
Oil drain pan	Yes
Torque wrench	Yes
Disposable latex gloves	Yes

Item	Required
New gasket	Yes
Torque wrench	Yes
YamaLube 10w-40 motorcycle oil	Yes
Funnel	Yes
Oil drain pan	No
Disposable latex gloves	No

2015 Yamaha YZF-R3 Body Components Overview

It is important to understand how your motorcycle works and all of the necessary components that allow it to run. A quick overview of the essential components is provided below.

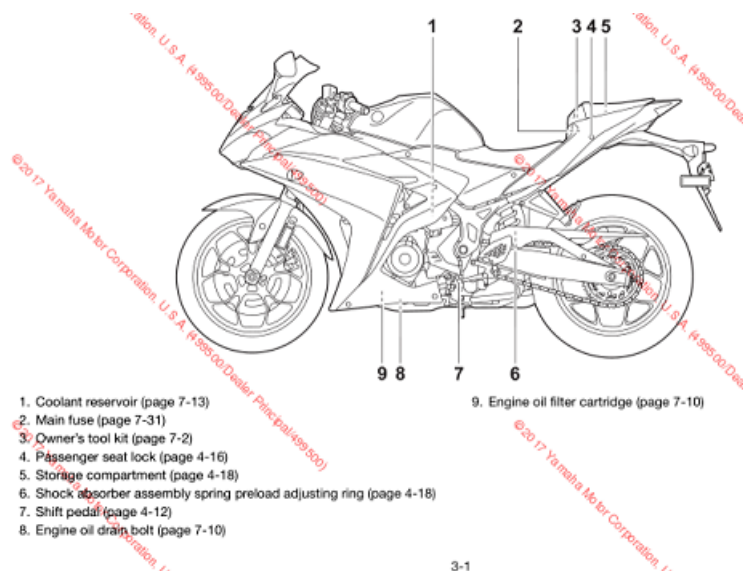


Figure 1: Left View Components

1. The coolant reservoir holds up to 0.25 L of coolant and the should be checked before each ride. Coolant level should be between the minimum and maxium level mark when the engine is cold.The coolant must be changed at the intervals specified in the periodic maintenance chart.
2. The main fuse is located under the passenger seat along with the fuse box. The specified amprage for the main fuse is 30 A.
3. The owner's toolkit is located on the bottom of the passenger seat and is held in place by an O ring.The service information included in the manual and the tools provided are intended to assist riders in preventative maintenance and minor repairs.
4. The passenger seat lock can be unlocked with the ignition key. Simply insert the key and turn it clockwise while pulling up on the passenger seat.
5. The storage compartment is located under the passenger seat. Be sure to wrap important documents in a pastic bag so they do not get wet.
6. The shock absorber assembly spring preload adjusting ring can be adjusted to harden or soften the suspension.
7. The shift pedal is used in combination with the clutch lever when shifting gears on the 6-speed constant-mesh transmission.
8. Remove the *engine oil drain bolt* and its gasket to drain the oil from the crankcase.
9. The *engine oil filter cartridge* should be changed at the periodic intervals specified in the maintenance schedule. Always use an oil filter wrench to remove and install the oil filter cartridge.

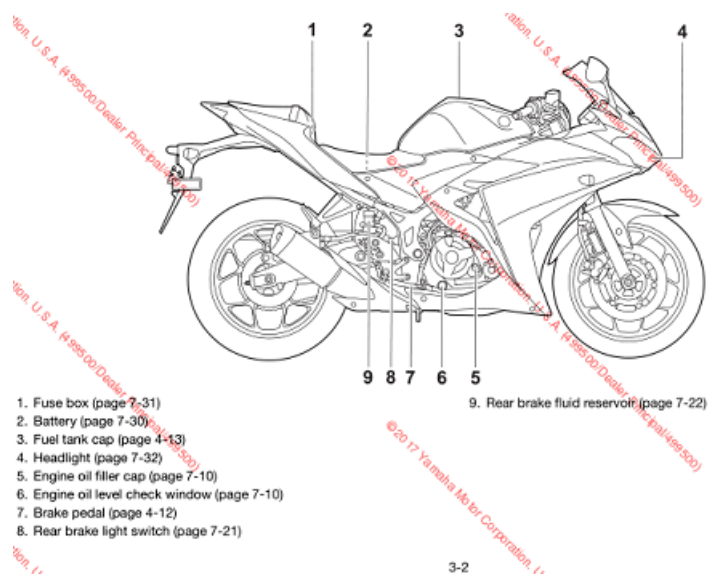


Figure 2: Right View Components

1. The fuse box contains the fuses for the individual circuits. It can be accessed by removing the center cover underneath the passenger seat.
2. The battery is equipped with Valve Regulated Lead Acid or VRLA and there is no need to check the electrolyte or add distilled water.
3. The fuel tank cap can be opened by turning off the engine and inserting the key. Be sure to close the cap tightly when finished fueling.
4. The headlight is a halogen bulb and can be replaced if it burns out.
5. The *engine oil filler cap* is located on the right side of the crankcase and should be removed when replacing the engine oil.
6. The *engine oil level check window* is located on the lower right side of the crankcase and shows the oil level when the bike is held upright.
7. The brake pedal is used to apply the rear brake; simply press down on the pedal.
8. The rear brake light switch is activated by the brake pedal and brake lever. The light should come on just before braking takes effect.
9. The rear brake fluid reservoir should be checked periodically as the fluid level will go down as the brake pads become worn down.