



YAMALUBE OIL CHANGE KIT

KIT INSTRUCTIONS

YLU-F1040-RS-GP

YAMALUBE®

A Liquid Engine Component

This Yamalube Oil Change Kit will service the following models:

| | | | |
|---------|-------------|---------|-------------|
| YZ250F | 2014 - 2026 | YZ450FX | 2016 - 2025 |
| YZ450F | 2014 - 2026 | WR250F | 2015 - 2025 |
| YZ250FX | 2015 - 2025 | WR450F | 2016 - 2025 |

Contained within this document you will find basic instructions and information on how to complete your Yamalube Oil and Genuine Oil Filter replacement.

For complete and detailed servicing instructions please always refer to the Owners Service Manual for your unit. Alternatively please speak to an authorised Yamaha Technician at a Yamaha dealership.



Click on model below to navigate to the instructions, or scroll through

| | | | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| YZ250F | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
| YZ450F | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 |
| YZ250FX | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | |
| YZ450FX | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | | |
| WR250F | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | |
| WR450F | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | | |

YAMALUBE®

A Liquid Engine Component

Application chart – Land Products

Yamalube® for 4-stroke Off-Road Motorcycle engines

| MODEL | YEAR | 4 STROKE OIL | | | | | ENGINE OIL | |
|---------|-------------|--------------|-----------------------------|-----------------|----------------|---------|------------|---------|
| | | RS4GP | FULLY-SYNTHETIC PERFORMANCE | FULLY-SYNTHETIC | SEMI-SYNTHETIC | MINERAL | LITRE* | LITRE** |
| YZ250F | 2003 ~ 2005 | ◆ | ◆ | | △ | ● | 1.0 | 1.1 |
| YZ250F | 2006 | ◆ | ◆ | | △ | ● | 1.15 | 1.25 |
| YZ250F | 2007 ~ 2009 | ◆ | ◆ | | △ | ● | 1.05 | 1.15 |
| YZ250F | 2010 ~ 2013 | ◆ | ◆ | | △ | ● | 0.95 | 1.05 |
| YZ250F | 2013 ~ 2018 | ◆ | ◆ | | △ | ● | 0.71 | 0.73 |
| YZ250F | 2019 ~ 2026 | ◆ | ◆ | | △ | ● | 0.73 | 0.75 |
| YZ250FX | 2015 ~ 2019 | ◆ | ◆ | | △ | ● | 0.83 | 0.85 |
| YZ250FX | 2020 ~ 2025 | ◆ | ◆ | | △ | ● | 0.73 | 0.75 |
| YZ450F | 2010 ~ 2013 | ◆ | ◆ | | △ | ● | 0.95 | 1 |
| YZ450F | 2003 ~ 2005 | ◆ | ◆ | | △ | ● | 1.0 | 1.1 |
| YZ450F | 2006 ~ 2013 | ◆ | ◆ | | △ | ● | 0.95 | 1.0 |
| YZ450F | 2014 ~ 2017 | ◆ | ◆ | | △ | ● | 0.67 | 0.69 |
| YZ450F | 2018 ~ 2019 | ◆ | ◆ | | △ | ● | 0.62 | 0.64 |
| YZ450F | 2020 ~ 2022 | ◆ | ◆ | | △ | ● | 0.63 | 0.65 |
| YZ450F | 2023 ~ 2026 | ◆ | ◆ | | △ | ● | 0.94 | 0.96 |
| YZ450FX | 2016 ~ 2018 | ◆ | ◆ | | △ | ● | 0.67 | 0.69 |
| YZ450FX | 2019 ~ 2020 | ◆ | ◆ | | △ | ● | 0.62 | 0.64 |
| YZ450FX | 2021 ~ 2023 | ◆ | ◆ | | △ | ● | 0.63 | 0.65 |
| YZ450FX | 2024 ~ 2025 | ◆ | ◆ | | △ | ● | 0.94 | 0.96 |
| WR250F | 2003 ~ 2006 | ◆ | ◆ | | △ | ● | 1.2 | 1.3 |
| WR250F | 2007 ~ 2014 | ◆ | ◆ | | △ | ● | 1.1 | 1.2 |
| WR250F | 2015 ~ 2019 | ◆ | ◆ | | △ | ● | 0.83 | 0.85 |
| WR250F | 2020 ~ 2025 | ◆ | ◆ | | △ | ● | 0.73 | 0.75 |
| WR450F | 2010 ~ 2015 | ◆ | ◆ | | △ | ● | 0.95 | 1 |
| WR450F | 2003 ~ 2006 | ◆ | ◆ | | △ | ● | 1.0 | 1.1 |
| WR450F | 2019 ~ 2020 | ◆ | ◆ | | △ | ● | 0.95 | 1.0 |
| WR450F | 2016 ~ 2018 | ◆ | ◆ | | △ | ● | 0.67 | 0.69 |
| WR450F | 2019 ~ 2020 | ◆ | ◆ | | △ | ● | 0.62 | 0.64 |
| WR450F | 2021 ~ 2023 | ◆ | ◆ | | △ | ● | 0.63 | 0.65 |
| WR450F | 2024 ~ 2025 | ◆ | ◆ | | △ | ● | 0.94 | 0.96 |
| WR250R | 2008 ~ 2020 | ◆ | ◆ | | △ | ● | 1.3 | 1.4 |
| WR250X | 2008 ~ 2010 | ◆ | ◆ | | △ | ● | 1.3 | 1.4 |

Classification of SAE viscosity.

The common worldwide standard for selecting oil viscosity is a classification system established by SAE. Viscosity is a fluids resistance to flow and as the numbers increase so does the viscosity. The W as in 10W indicates the oils viscosity in low temperatures (W- Winter). The second number after describes how the oil will perform when the engine reaches operating temperature.

We have provided this Yamalube oil application chart to recommend which oil viscosity is best for each model and an optional viscosity. To double check which viscosity is best for your engine, in your conditions, please speak to an authorised service technician at a Yamaha Dealership.

OIL APPLICATION TYPE:

- ◆ Performance Premium
- △ Recommended
- Standard
- ★ Rear Axle Oil

* without oil filter replacement
** with oil filter replacement

CHECKING THE ENGINE OIL LEVEL

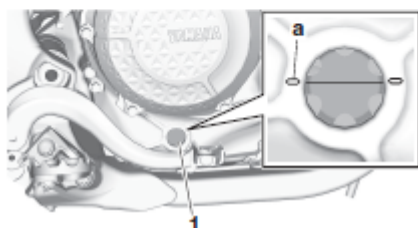
1. Start the engine and warm it up for ten minutes until the engine oil has reached a normal temperature of 60 °C (140 °F), and then turn the engine off.
2. Stand the vehicle upright on a level surface.
3. Start the engine, wait for ten seconds, turn the engine off, and then wait a few minutes.
4. Check:
 - Engine oil level

The engine oil level should be between the minimum level (lower edge of the oil check window "1") and the maximum level mark "a".

Below the minimum level → Add the recommended engine oil to the proper level.

TIP

Before checking the engine oil level, wait a few minutes until the oil has settled.




SCA13361

NOTICE

- Engine oil also lubricates the clutch and the wrong oil types or additives could cause clutch slippage. Therefore, do not add any chemical additives or use engine oils with a grade of "CD" or higher and do not use oils labeled "ENERGY CONSERVING II".
 - Do not allow foreign materials to enter the crankcase.
5. Start the engine, warm it up for several minutes, and then turn it off.
 6. Check the engine oil level again.

TIP

Before checking the engine oil level, wait a few minutes until the oil has settled.

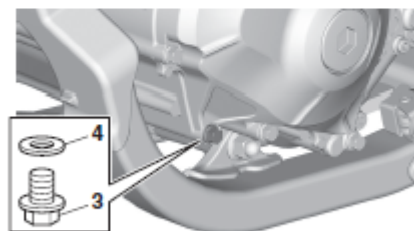
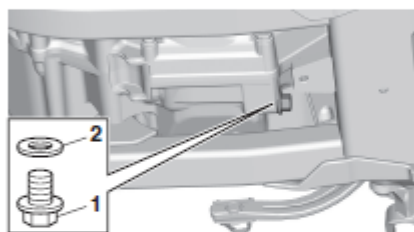


Recommended brand
YAMALUBE
SAE viscosity grades
10W-40, 10W-50, 15W-40,
20W-40 or 20W-50
Recommended engine oil grade
API service SG type or higher,
JASO standard MA

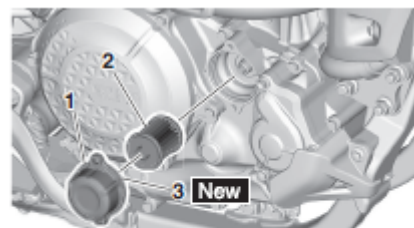
YZ450F

CHANGING THE ENGINE OIL

1. Stand the vehicle upright on a level surface.
2. Start the engine, warm it up for several minutes, and then turn it off.
3. Place a container under the engine oil drain bolts.
4. Remove:
 - Oil filler cap (along with the O-ring)
5. Remove:
 - Engine oil drain bolt (crankcase) "1" (along with the gasket "2")
 - Engine oil drain bolt (oil tank) "3" (along with the gasket "4")



6. Drain:
 - Engine oil (completely from the oil tank and crankcase)
7. If the oil filter element is also to be replaced, perform the following procedure.
 - a. Remove the oil filter element cover "1", oil filter element "2".
 - b. Replace the new O-ring "3".



- c. Install the new oil filter element and the oil filter element cover.



Oil filter element cover bolt
10 N·m (1.0 kgf-m, 7.4 lb-ft)

8. Install:

- Engine oil drain bolt (oil tank) (along with the gasket **New**)
- Engine oil drain bolt (crankcase) (along with the gasket **New**)



Engine oil drain bolt (oil tank)
10 N·m (1.0 kgf-m, 7.4 lb-ft)
Engine oil drain bolt (crankcase)
20 N·m (2.0 kgf-m, 15 lb-ft)

9. Fill:

- Crankcase (with the specified amount of the recommended engine oil)

10. Install:

- Engine oil filler cap (along with the O-ring **New**)

11. Check:

- Oil level
- Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-13.

12. Check:

- Engine oil pressure
 - a. Start the engine.

EW451335

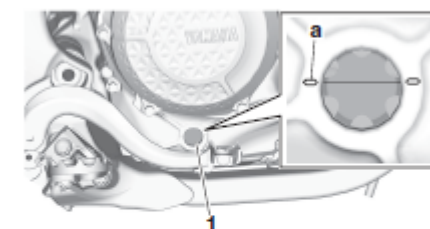
WARNING

Always keep the engine idling speed during the checkup without increasing the engine speed.

- b. Look at the oil level check window "1", and then make sure that the engine oil flows and that the engine oil level decreases.

TIP

Check the engine oil level while the engine is at idling speed.



a. Maximum level mark

SCA07672

NOTICE

If the engine oil level does not decrease after the engine has been started, immediately turn the engine off. Otherwise, the engine could seize.

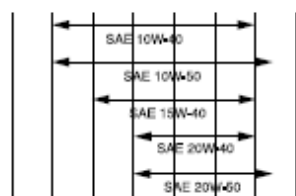
- c. If the engine oil level does not decrease at the specified level mark, check the engine oil system for leaks, and the engine oil passages and oil pump for damage.
- d. Check the oil pressure again.



Engine oil quantity

Oil change
0.94 L (0.99 US qt, 0.83 Imp.qt)
With oil filter removal
0.96 L (1.01 US qt, 0.84 Imp.qt)
Quantity (disassembled)
1.20 L (1.27 US qt, 1.06 Imp.qt)

-20 -10 0 10 20 30 40 50 °C

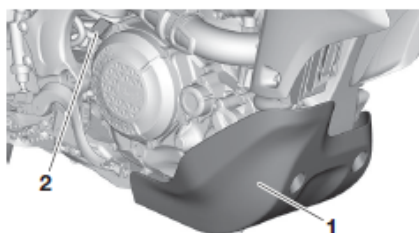


WR450F & YZ450FX

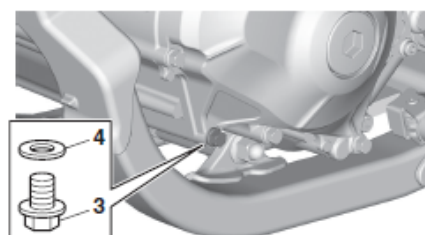
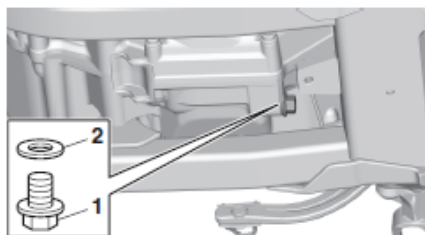
YAM000025

CHANGING THE ENGINE OIL

1. Stand the vehicle upright on a level surface.
2. Start the engine, warm it up for several minutes, and then turn it off.
3. Place a container under the engine oil drain bolts.
4. Remove:
 - Engine guard "1"
 - Oil filler cap "2"
 - (along with the O-ring)



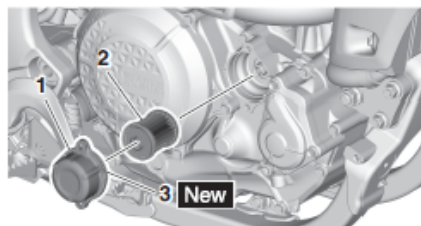
5. Remove:
 - Engine oil drain bolt (crankcase) "1"
 - (along with the gasket "2")
 - Engine oil drain bolt (oil tank) "3"
 - (along with the gasket "4")




6. Drain:
 - Engine oil

(completely from the oil tank and crankcase)


7. If the oil filter element is also to be replaced, perform the following procedure.
 - a. Remove the oil filter element cover "1", oil filter element "2".
 - b. Replace the new O-ring "3".




- c. Install the new oil filter element and the oil filter element cover.

 **Oil filter element cover bolt**
10 N·m (1.0 kgf-m, 7.4 lb-ft)

8. Install:
 - Engine oil drain bolt (oil tank)
(along with the gasket **New**)
 - Engine oil drain bolt (crankcase)
(along with the gasket **New**)

 **Engine oil drain bolt (oil tank)**
10 N·m (1.0 kgf-m, 7.4 lb-ft)
Engine oil drain bolt (crankcase)
20 N·m (2.0 kgf-m, 15 lb-ft)

9. Fill:
 - Crankcase
(with the specified amount of the recommended engine oil)

 **Engine oil quantity**
Oil change
0.94 L (0.99 US qt, 0.83 Imp.qt)
With oil filter removal
0.96 L (1.01 US qt, 0.84 Imp.qt)
Quantity (disassembled)
1.20 L (1.27 US qt, 1.06 Imp.qt)

10. Install:
 - Engine oil filler cap
(along with the O-ring **New**)

11. Check:
 - Oil level
Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-14.

12. Check:
 - Engine oil pressure

- a. Start the engine.

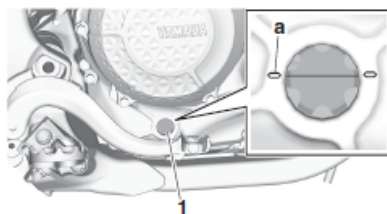
WARNING

Always keep the engine idling speed during the checkup without increasing the engine speed.

- b. Look at the oil level check window "1", and then make sure that the engine oil flows and that the engine oil level decreases.

TIP

Check the engine oil level while the engine is at idling speed.



- a. Maximum level mark

EC026740

NOTICE

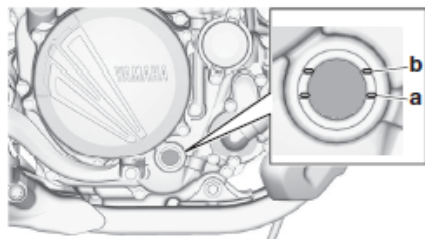
If the engine oil level does not decrease after the engine has been started, immediately turn the engine off. Otherwise, the engine could seize.

- c. If the engine oil level does not decrease at the specified level mark, check the engine oil system for leaks, and the engine oil passages and oil pump for damage.
- d. Check the oil pressure again.

CHECKING THE ENGINE OIL LEVEL

- Stand the vehicle upright on a level surface.
- Start the engine, warm this up for 2-3 minutes, and then stop the engine and wait about 1 minute.
- Check:
 - Oil level

The engine oil level should be between the minimum level mark "a" and maximum level mark "b".
Below the minimum level mark → Add the recommended engine oil to the proper level.



EC424290

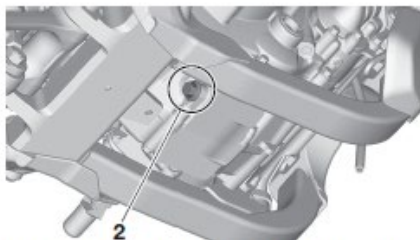
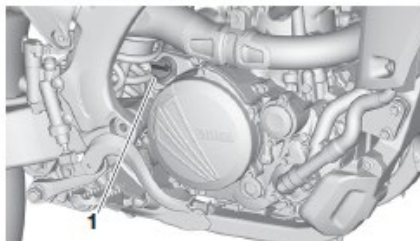
NOTICE

- Since engine oil also lubricates the clutch, the wrong oil types or additives could cause clutch slippage. Therefore, do not add any chemical additives.
- Do not allow foreign material to enter the crankcase.

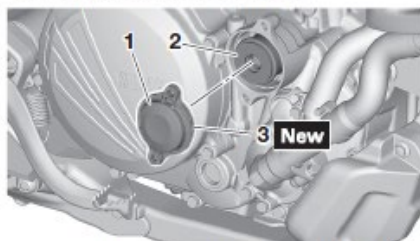
CHANGING THE ENGINE OIL

Stand the vehicle upright on a level surface.

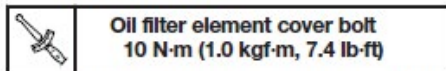
- Start the engine, warm this up for several minutes, and then stop the engine and wait about 5 minutes.
- Place an oil pan under the drain bolt.
- Remove:
 - Oil filler cap "1"
 - Drain bolt (with gasket) "2"



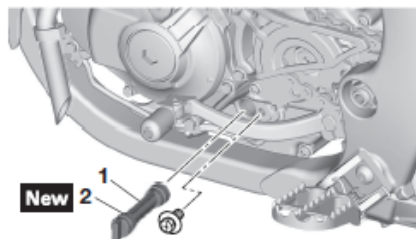
- If the oil filter element is also to be replaced, perform the following procedure.
 - Remove the oil filter element cover "1" and oil filter element "2".
 - Replace the new O-ring "3".



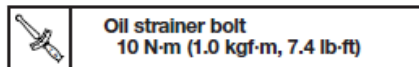
- Install the new oil filter element and the oil filter element cover.



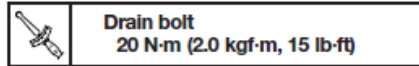
- To check the oil strainer, perform the following procedure.
 - Remove the oil strainer "1".
 - Check the oil strainer.
Damage → Replace.
Clogging due to dirt → Wash with kerosene.
 - Replace the new O-ring "2".



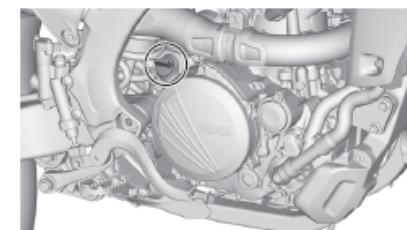
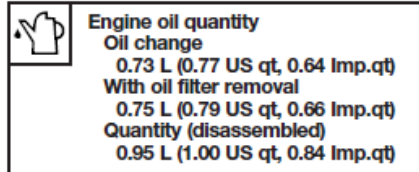
- Install the oil strainer.



- Install:
 - Gasket **New**
 - Drain bolt



- Pour the specified amount of engine oil into the oil filler cap hole.

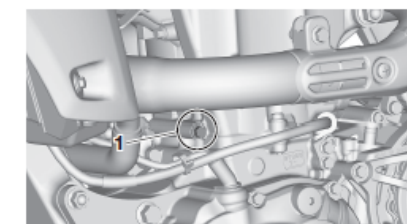


- Install:
 - Oil filler cap
- Check:
 - Oil level
Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-13.
- Check:
 - Engine oil pressure
 - Slightly loosen the oil pressure check bolt "1".

FWA18120

WARNING

When the engine is started with the check bolt removed, oil will spout; therefore, always loosen it before the checkup.



- Start the engine and keep it idling until oil starts to seep from the oil pressure check bolt.

FWA18130

WARNING

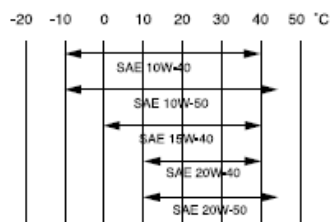
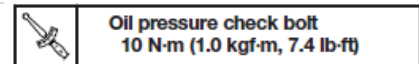
Always keep the engine idling speed during the checkup without increasing the engine speed.

EC425840

NOTICE

If no engine oil seeps out after one minute, immediately turn the engine off so it will not seize.

- If no engine oil seeps out, check the engine oil for leaks, and the engine oil passage and the oil pump for damage.
- Check the oil pressure again.
- Tighten the oil pressure check bolt.



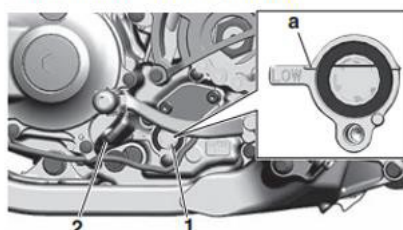
CHECKING THE ENGINE OIL LEVEL

1. Stand the vehicle upright on a level surface.
2. Start the engine, warm this up for 2-3 minutes, and then stop the engine and wait about 1 minute.
3. Check:
 - Oil level

Make sure that the engine oil level is above the minimum level mark "a" shown for the oil level check window "1", and that the engine oil does not come out by removing the oil check bolt "2".

The minimum level mark "a" or below → Add the engine oil until its level exceeds the minimum level mark "a".

Engine oil coming out of the oil check bolt → Drain it until its last drop is out.



ECA24290

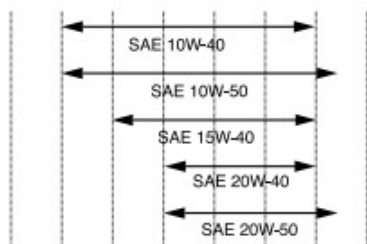
NOTICE

- Since engine oil also lubricates the clutch, the wrong oil types or additives could cause clutch slippage. Therefore, do not add any chemical additives.
- Do not allow foreign material to enter the crankcase.



Recommended brand
YAMALUBE
SAE viscosity grades
10W-40, 10W-50, 15W-40, 20W-40 or 20W-50
Recommended engine oil grade
API service SG type or higher,
JASO standard MA

-20 -10 0 10 20 30 40 50 °C



CHANGING THE ENGINE OIL

Stand the vehicle upright on a level surface.

1. Start the engine, warm this up for several minutes, and then stop the engine and wait about 5 minutes.

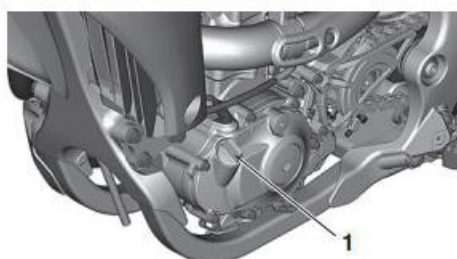
TIP

This model is equipped with an engine auto-stop system. The engine stops automatically if left idling for 7 minutes. If the engine stops, push the start switch to restart the engine.

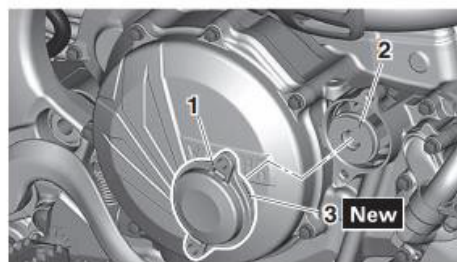
2. Place an oil pan under the drain bolt.

3. Remove:

- Oil filler cap "1"
- Drain bolt (with gasket) "2"



4. If the oil filter element is also to be replaced, perform the following procedure.
 - a. Remove the oil filter element cover "1" and oil filter element "2".
 - b. Replace the new O-ring "3".



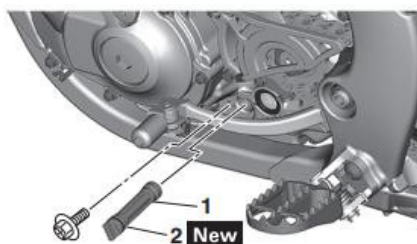
- c. Install the new oil filter element and the oil filter element cover.



Oil filter element cover bolt
10 N·m (1.0 kgf·m, 7.4 lb·ft)

5. To check the oil strainer, perform the following procedure.

- a. Remove the oil strainer "1".
- b. Check the oil strainer.
Damage → Replace.
Clogging due to dirt → Wash with kerosene.
- c. Replace the new O-ring "2".



- d. Install the oil strainer.



Oil strainer bolt
10 N·m (1.0 kgf·m, 7.4 lb·ft)

6. Install:

- Gasket **New**
- Drain bolt



Drain bolt
20 N·m (2.0 kgf·m, 15 lb·ft)

7. Pour the specified amount of engine oil into the oil filler cap hole.



Engine oil quantity

Oil change

0.63 L (0.67 US qt, 0.55 Imp.qt)

With oil filter removal

0.65 L (0.69 US qt, 0.57 Imp.qt)

Quantity (disassembled)

0.90 L (0.95 US qt, 0.79 Imp.qt)



8. Install:

- Oil filler cap

9. Check:

- Oil level

Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-13.

10. Check:

- Engine oil pressure
- a. Start the engine.

EWA19130

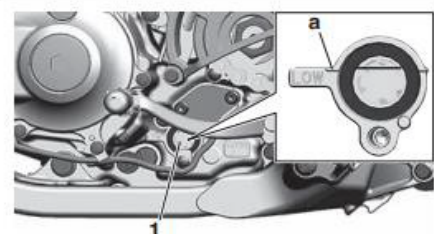
WARNING

Always keep the engine idling speed during the checkup without increasing the engine speed.

- b. Look at the oil level check window "1", and then make sure that the engine oil flows and that the engine oil level decreases.

TIP

Check the engine oil level while the engine is at idling speed.



- a. Minimum level mark

NOTICE

If the engine oil level does not decrease after the engine has been started, immediately turn the engine off. Otherwise, the engine could seize.

- c. If the engine oil level does not decrease at the specified level mark, check the engine oil system for leaks, and the engine oil passages and oil pump for damage.
- d. Check the oil pressure again.

CHECKING THE ENGINE OIL LEVEL

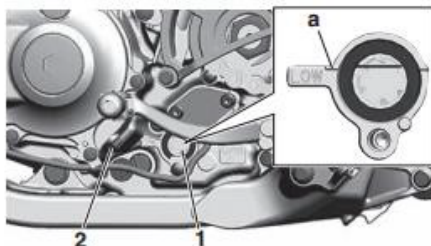
- Stand the vehicle upright on a level surface.
- Start the engine, warm this up for 2-3 minutes, and then stop the engine and wait about 1 minute.
- Check:

Oil level

Make sure that the engine oil level is above the minimum level mark "a" shown for the oil level check window "1", and that the engine oil does not come out by removing the oil check bolt "2".

The minimum level mark "a" or below → Add the engine oil until its level exceeds the minimum level mark "a".

Engine oil coming out of the oil check bolt → Drain it until its last drop is out.



ECA24290

NOTICE

- Since engine oil also lubricates the clutch, the wrong oil types or additives could cause clutch slippage. Therefore, do not add any chemical additives.
- Do not allow foreign material to enter the crankcase.



Recommended brand

YAMALUBE

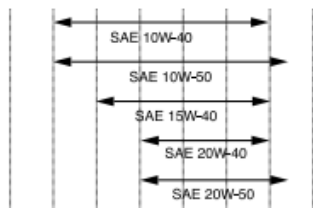
SAE viscosity grades

SAE 10W-40, SAE 10W-50, SAE 15W-40, SAE 20W-40 or SAE 20W-50

Recommended engine oil grade

API service SG type or higher, JASO standard MA

-20 -10 0 10 20 30 40 50 °C



CHANGING THE ENGINE OIL

Stand the vehicle upright on a level surface.

- Start the engine, warm this up for several minutes, and then stop the engine and wait about 5 minutes.

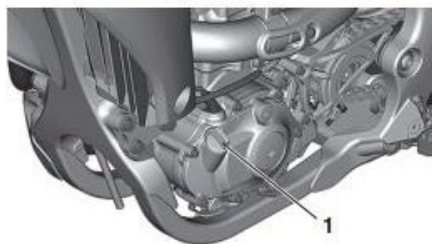
TIP

This model is equipped with an engine auto-stop system. The engine stops automatically if left idling for 7 minutes. If the engine stops, push the start switch or push the start switch to restart the engine.

- Place an oil pan under the drain bolt.

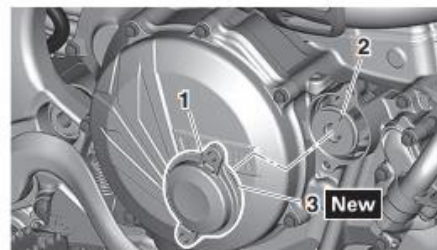
- Remove:

- Oil filler cap "1"
- Drain bolt (with gasket) "2"



- If the oil filter element is also to be replaced perform the following procedure.

- Remove the oil filter element cover "1" and oil filter element "2".
- Replace the O-ring "3".



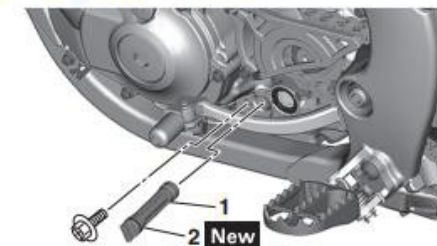
- Install the new oil filter element and the oil filter element cover.



Oil filter element cover bolt
10 N·m (1.0 kgf·m, 7.4 lb·ft)

- To check the oil strainer, perform the following procedure.

- Remove the oil strainer "1".
- Check the oil strainer.
Damage → Replace.
Clogging due to dirt → Wash with kerosene.
- Replace the O-ring "2".



- Install the oil strainer.



Oil strainer bolt
10 N·m (1.0 kgf·m, 7.4 lb·ft)

- Install:

- Gasket **New**
- Drain bolt



Drain bolt
20 N·m (2.0 kgf·m, 15 lb·ft)

- Pour the specified amount of engine oil into the oil filler cap hole.



Engine oil quantity

Oil change

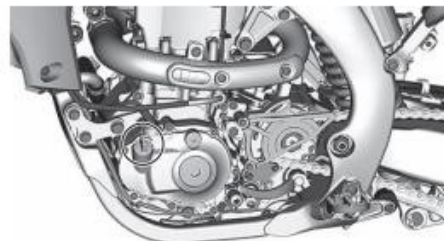
0.62 L (0.66 US qt, 0.55 Imp. qt)

With oil filter removal

0.64 L (0.68 US qt, 0.56 Imp. qt)

Quantity (disassembled)

0.90 L (0.95 US qt, 0.79 Imp. qt)



- Install:

- Oil filler cap

- Check:

- Oil level

Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-15.

- Check:

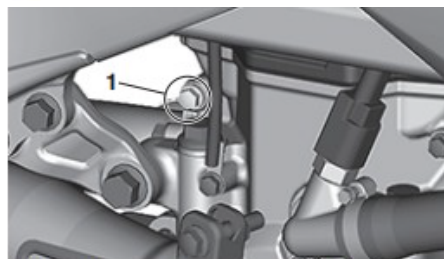
- Engine oil pressure

- Slightly loosen the oil pressure check bolt "1".

EW19130

WARNING

When the engine is started with the check bolt removed, oil will spout; therefore, always loosen it before the checkup.



- Start the engine and keep it idling until oil starts to seep from the oil pressure check bolt.

EW19130

WARNING

Always keep the engine idling speed during the checkup without increasing the engine speed.

ECA25840

NOTICE

If no engine oil seeps out after one minute, immediately turn the engine off so it will not seize.

- If no engine oil seeps out, check the engine oil for leaks, and the engine oil passage and the oil pump for damage.
- Check the oil pressure again.

- Tighten the oil pressure check bolt.



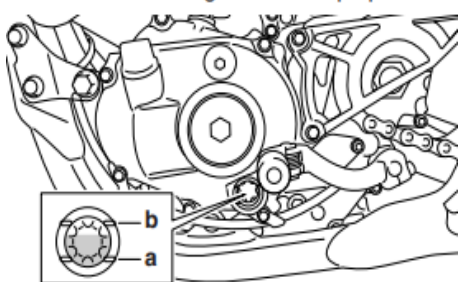
Oil pressure check bolt
10 N·m (1.0 kgf·m, 7.4 lb·ft)

WR250F & YZ250FX

CHECKING THE ENGINE OIL LEVEL


1. Stand the vehicle upright on a level surface.
2. Start the engine, warm this up for 2-3 minutes, and then stop the engine and wait about 5 minute.
3. Check:
 - Oil level

The engine oil level should be between the minimum level mark "a" and maximum level mark "b".
Below the minimum level mark → Add the recommended engine oil to the proper level.



NOTICE

- Since engine oil also lubricates the clutch, the wrong oil types or additives could cause clutch slippage. Therefore, do not add any chemical additives.
- Do not allow foreign material to enter the crankcase.

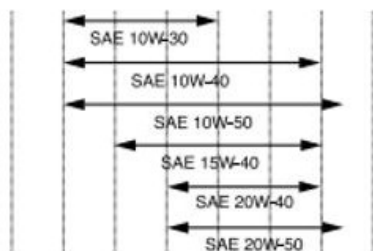


Recommended brand
YAMALUBE

Recommended engine oil type
SAE10W-30, SAE10W-40,
SAE10W-50, SAE15W-40,
SAE20W-40 or SAE20W-50

Recommended engine oil grade
API service SG type or higher,
JASO standard MA

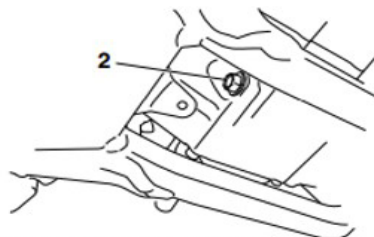
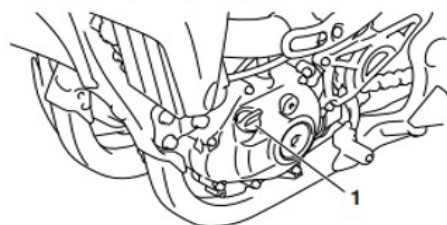
-20 -10 0 10 20 30 40 50 °C



CHANGING THE ENGINE OIL

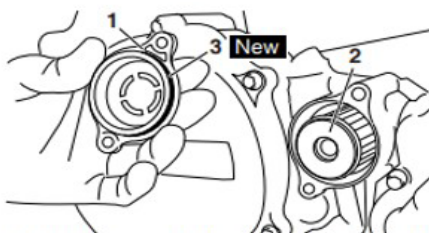
Stand the vehicle upright on a level surface.

1. Start the engine, warm this up for several minutes, and then stop the engine and wait about 5 minutes.
2. Place an oil pan under the drain bolt.
3. Remove:
 - Oil filler cap "1"
 - Drain bolt (with gasket) "2"



4. If the oil filter element is also to be replaced, perform the following procedure.

- a. Remove the oil filter element cover "1" and oil filter element "2".
- b. Replace the O-rings "3".



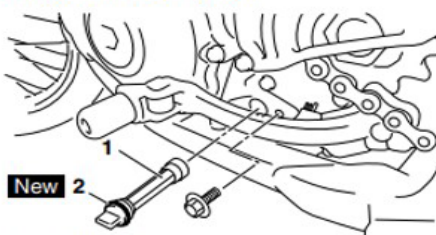
- c. Install the new oil filter element and the oil filter element cover.



Oil filter element cover bolt
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

5. To check the oil strainer, perform the following procedure.

- a. Remove the oil strainer "1".
- b. Check the oil strainer.
Damage → Replace.
Clogging due to dirt → Wash with kerosene.
- c. Replace the O-rings "2".



- d. Install the oil strainer.



Oil strainer bolt
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

6. Install:
 - Gaskets **New**
 - Drain bolt



Drain bolt
20 Nm (2.0 m·kgf, 14 ft·lbf)

7. Pour the specified amount of engine oil into the oil filler cap hole.

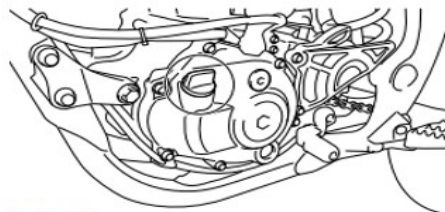
YZ250F



Engine oil quantity
Without oil filter element replacement
0.71 L (0.75 US qt, 0.62 Imp.qt)
With oil filter element replacement
0.73 L (0.77 US qt, 0.64 Imp.qt)
Quantity (disassembled)
0.90 L (0.95 US qt, 0.79 Imp.qt)



Engine oil quantity
Without oil filter element replacement
0.83 L (0.88 US qt, 0.73 Imp.qt)
With oil filter element replacement
0.85 L (0.90 US qt, 0.75 Imp.qt)
Quantity (disassembled)
1.10 L (1.16 US qt, 0.97 Imp.qt)



8. Install:
 - Oil filler cap
9. Check:
 - Oil level

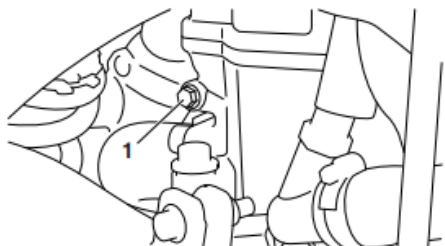
Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-14.

10. Check:
 - Engine oil pressure

- a. Slightly loosen the oil pressure check bolt "1".

WARNING

When the engine is started with the check bolt removed, oil will spout; therefore, always loosen it before the checkup.



Start the engine and keep it idling until oil starts to seep from the oil pressure check bolt.

WARNING

Always keep the engine idling speed during the checkup without increasing the engine speed.

NOTICE

If no engine oil seeps out after one minute, immediately turn the engine off so it will not seize.

- b. If no engine oil seeps out, check the engine oil for leaks, and the engine oil passage and the oil pump for damage.
- c. Check the oil pressure again.
- d. Tighten the oil pressure check bolt.



Oil pressure check bolt
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

CHECKING THE ENGINE OIL LEVEL

1. Stand the vehicle upright on a level surface.
2. Start the engine, warm this up for 2-3 minutes, and then stop the engine and wait about 1 minute.

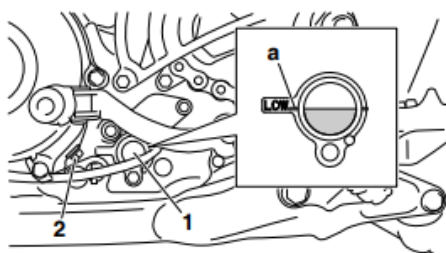
3. Check:

• Oil level

Make sure that the engine oil level is above the minimum level mark "a" shown for the oil level check window "1," and that the engine oil does not come out by removing the oil check bolt "2."

The minimum level mark "a" or below → Add the engine oil until its level exceeds the minimum level mark "a."

Engine oil coming out of the oil check bolt → Drain it until its last drop is out.



NOTICE

- Since engine oil also lubricates the clutch, the wrong oil types or additives could cause clutch slippage. Therefore, do not add any chemical additives.
- Do not allow foreign material to enter the crankcase.

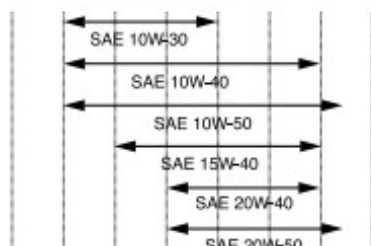


Recommended brand YAMALUBE

Recommended engine oil type
SAE10W-30, SAE10W-40,
SAE10W-50, SAE15W-40,
SAE20W-40 or SAE20W-50

Recommended engine oil grade
API service SG type or higher,
JASO standard MA

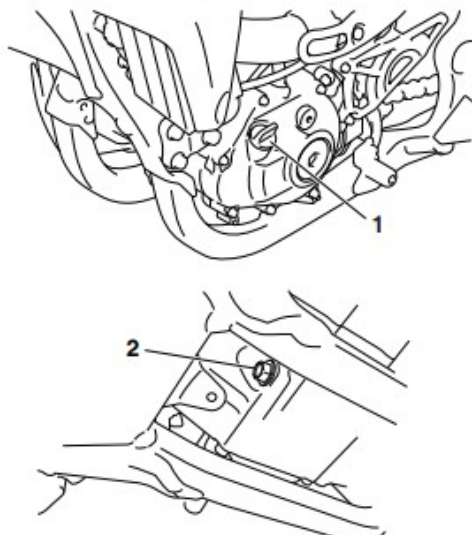
-20 -10 0 10 20 30 40 50 °C



CHANGING THE ENGINE OIL

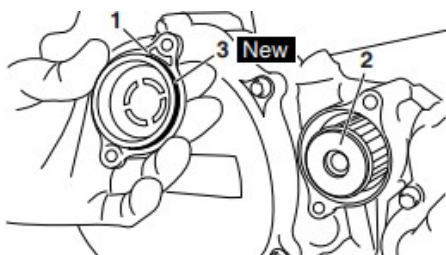
Stand the vehicle upright on a level surface.

1. Start the engine, warm this up for several minutes, and then stop the engine and wait about 5 minutes.
2. Place an oil pan under the drain bolt.
3. Remove:
 - Oil filler cap "1"
 - Drain bolt (with gasket) "2"



4. If the oil filter element is also to be replaced, perform the following procedure.

- a. Remove the oil filter element cover "1" and oil filter element "2."
- b. Replace the O-rings "3."



- c. Install the new oil filter element and the oil filter element cover.

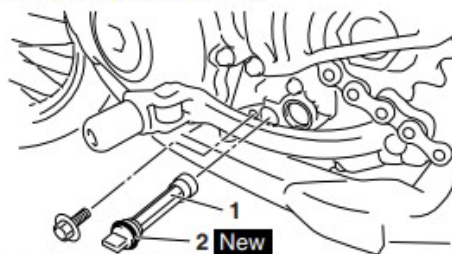


Oil filter element cover bolt
10 Nm (1.0 m·kgf, 7.2 ft·lbf)



5. To check the oil strainer, perform the following procedure.

- a. Remove the oil strainer "1".
- b. Check the oil strainer.
Damage → Replace.
Clogging due to dirt → Wash with kerosene.
- c. Replace the O-rings "2".



- d. Install the oil strainer.



Oil strainer bolt
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

6. Install:

- Gaskets **New**
- Drain bolt

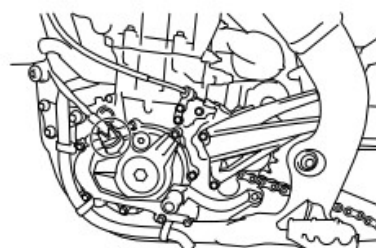


Drain bolt
20 Nm (2.0 m·kgf, 14 ft·lbf)

7. Pour the specified amount of engine oil into the oil filler cap hole.



Engine oil quantity
With oil filter element replacement
0.69 L (0.73 US qt, 0.61 Imp.qt)
Quantity (disassembled)
0.95 L (1.00 US qt, 0.84 Imp.qt)



8. Install:

- Oil filler cap

9. Check:

- Oil level
Refer to "CHECKING THE ENGINE OIL LEVEL" on page 3-14.

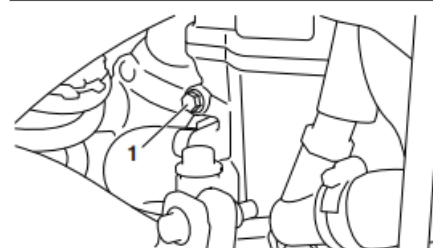
10. Check:

- Engine oil pressure

- a. Slightly loosen the oil pressure check bolt "1."

WARNING

When the engine is started with the check bolt removed, oil will spout; therefore, always loosen it before the checkup.



Start the engine and keep it idling until oil starts to seep from the oil pressure check bolt.

WARNING

Always keep the engine idling speed during the checkup without increasing the engine speed.

NOTICE

If no engine oil seeps out after one minute, immediately turn the engine off so it will not seize.

- b. If no engine oil seeps out, check the engine oil for leaks, and the engine oil passage and the oil pump for damage.

- c. Check the oil pressure again.

- d. Tighten the oil pressure check bolt.



Oil pressure check bolt
10 Nm (1.0 m·kgf, 7.2 ft·lbf)

