KOSO Feel The Speed

INSTRUCTION

Thank you for purchasing our product.Please, read the instructions thoroughly and retain them for future reference.

⚠ NOTICE

- To install, follow the steps as described in the manual. Any damages caused by not following directions voids warranty.
- Correct tools must be used for installation.
- Do not modify any parts unless specifically stated in the instruction manual.
- Interior controll maintenance should be performed by a professional only.

◎MARK MEANING:

NOTE You could get the installation details from the information behind the mark.

⚠ Some processes must be followed to avoid the affection caused by wrong installation.

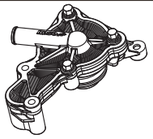
⚠ **WARNING!** Some processes must be followed to avoid damages to yourself or the public.

⚠ **CAUTION!** Some processes must be followed to avoid the damage to the vehicle.

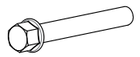
Denotes the tightening torque value

1 ACCESSORIES

1 HIGH EFFICIENCY WATER PUMP X1



2 M6x45mm SCREWS X2



3 M6x25mm SCREWS X1

4 O-RING (LARGE) X1

5 O-RING (SMALL) X1

6 DOWEL PIN X2

NOTE Please contact the local distributor if the items you open are not the same, as the above-listed one.

2 CHANGE OF COOLING WATER

Fig 1

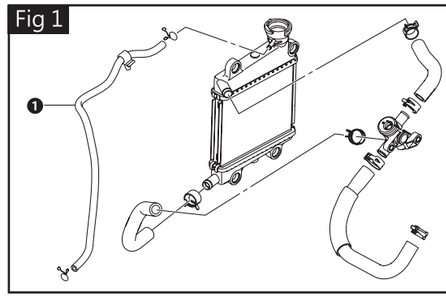


Fig 2

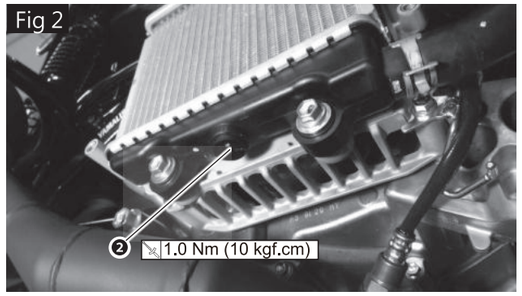


Fig 3

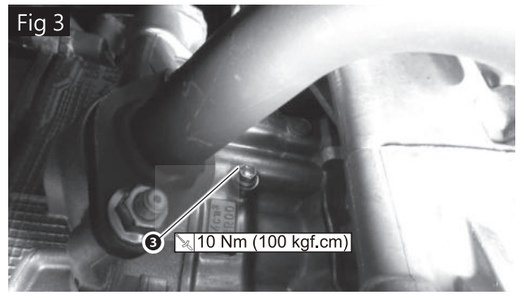
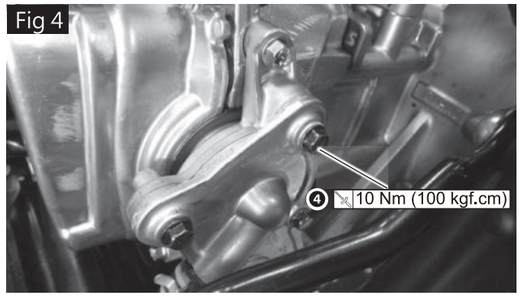


Fig 4



Please proceed as follows

1. Method to discharge cooling water

1-1. Please disassemble the ❶ water pipe of the auxiliary radiator and the ❺ auxiliary radiator pipe and discharge the cooling water (from the auxiliary radiator).

1-2. Please use appropriate tools to remove the radiator cap and the ❷ water discharge bold (with an o-ring) of the radiator and discharge the cooling water from (from the radiator).

⚠ **WARNING!**
- There will be pressure generated in the radiator due to heat. Therefore, when the radiator is heated, do not remove the radiator cap. Hot cooling water and steam will be ejected to discharge the remaining pressure, and in turn, cause severe injuries. Please wait until the radiator is cooled down before removing the radiator cap.
- Use a towel or thick cloth to cover the radiator cap and slowly turn the radiator cap counterclockwise to the located place to discharge the remaining pressure. When the sizzling sound ceases, press the radiator cap and turn it counterclockwise to remove it.

1-3. Please use appropriate tools to remove the ❸ cooling water discharge screw (including a copper gasket) of the cylinder and discharge the cooling water (from the engine).

1-4/ Please install the ❸ cooling water discharge screw (including a copper gasket) of the cylinder, ❷ water discharge screw (including an o-ring), and the ❶ water pipe of the auxiliary radiator on the vehicle.

2. Adding cooling water

2-1. For adding cooling water to the radiator, remove the ❹ air discharge screw until there is no air in the cooling system.

2-2 Fasten the air discharge screw to the designated torque.

- Recommended anti-freezing solution: premium glycol anti-freezing solutions have an antioxidant that protects the aluminum engine.
- Mixing ratio: 4 : 6 (anti-freezing solution : water)

2-3. Please install the radiator cap on the vehicle and add cooling water to the auxiliary radiator (add the recommended cooling water until the level reaches the maximum marking).

2-4. Install the ❺ auxiliary radiator cap.

NOTE When installing the ❺ auxiliary radiator cap, the ❻ dowel pin shall face the rear side of the motorcycle. If the dowel pin is facing the right side, it may be stuck by the pedal for riders.

Fig 5

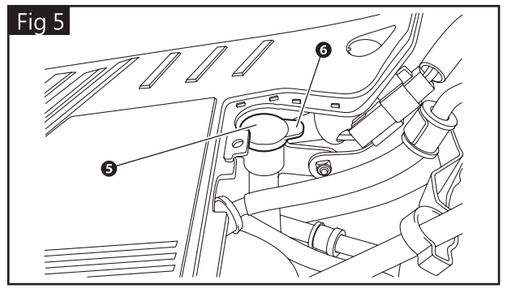
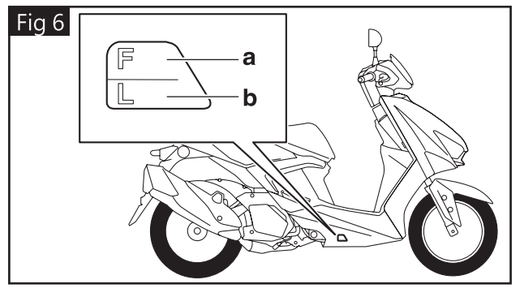


Fig 6

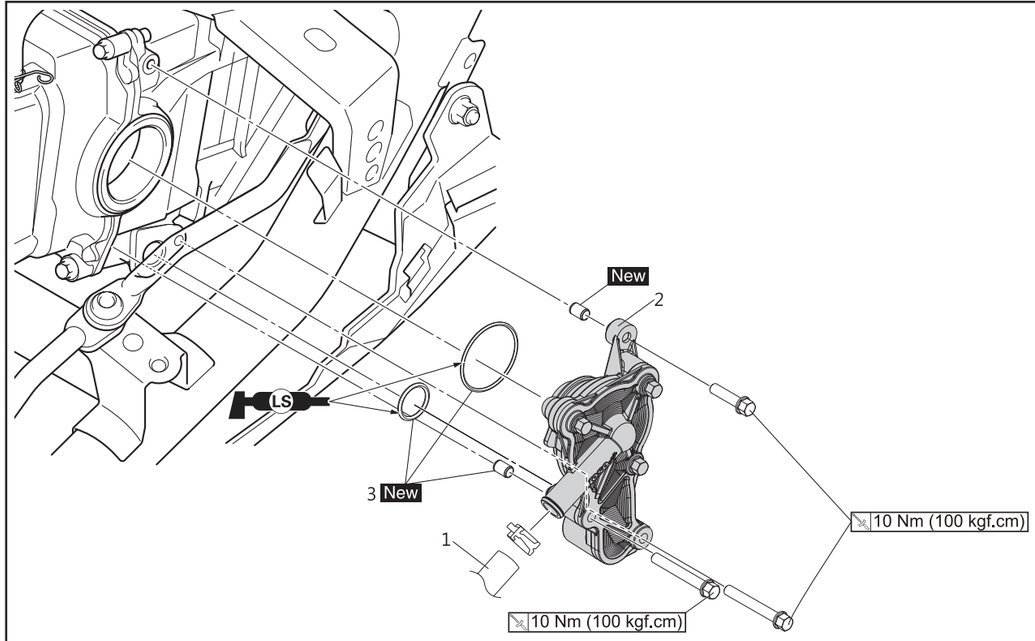


3. Turn on the engine; after warming up for a few minutes, turn off the engine.

4. Check the level e of the cooling water.

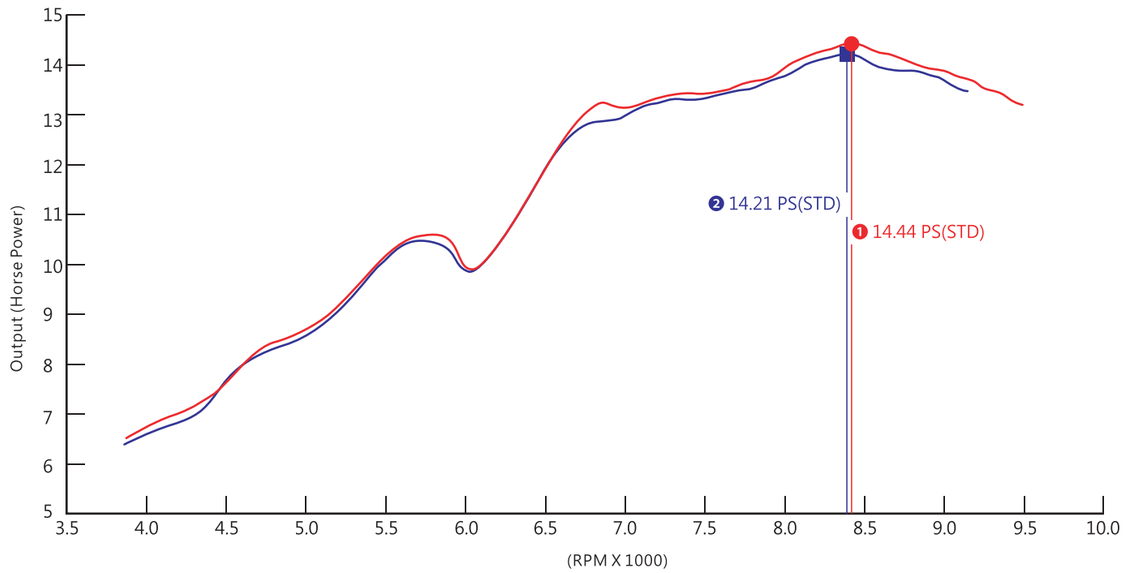
NOTE The water level shall be between the maximum marking "a" and the minimum marking "b." If lower than the minimum marking → add the recommended cooling water until the level reaches the level as stated.

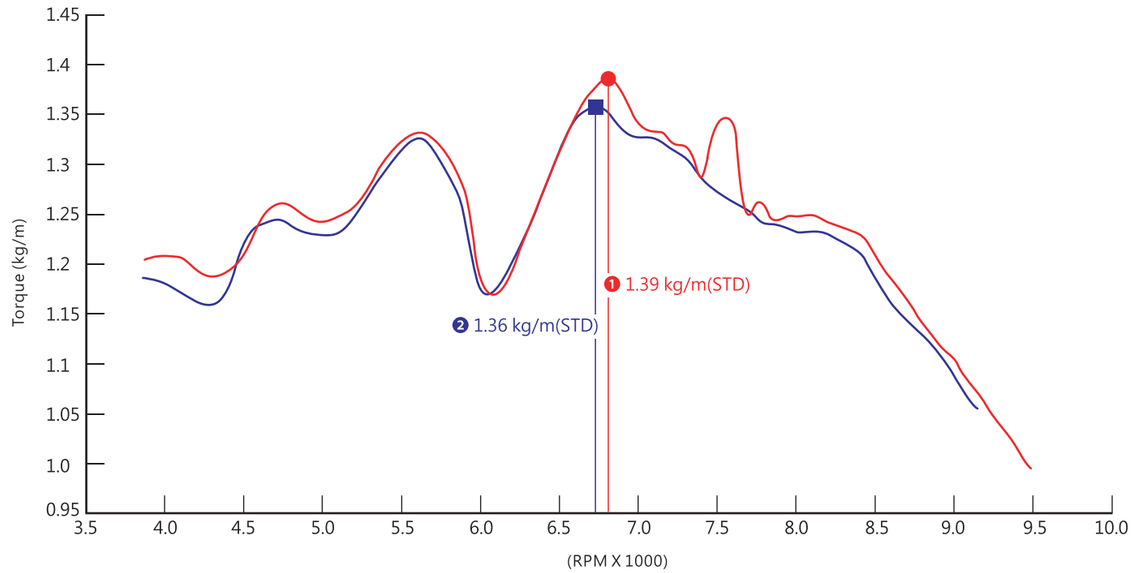
3 INSTALLATION INSTRUCTION



NOTE Please do according to figure in order. Make sure to disassemble the parts in reverse order. Please refer to the above picture for installation sequence.

4 POWER CURVE COMPARE CHART



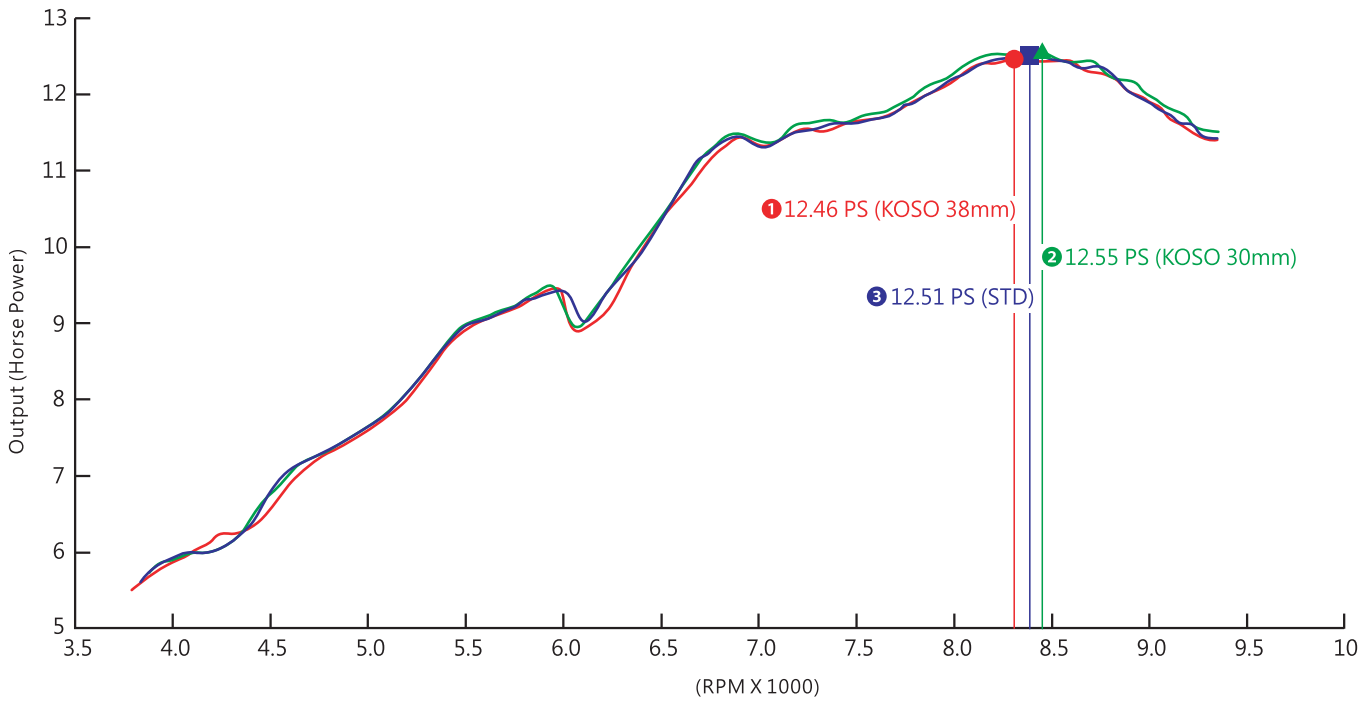


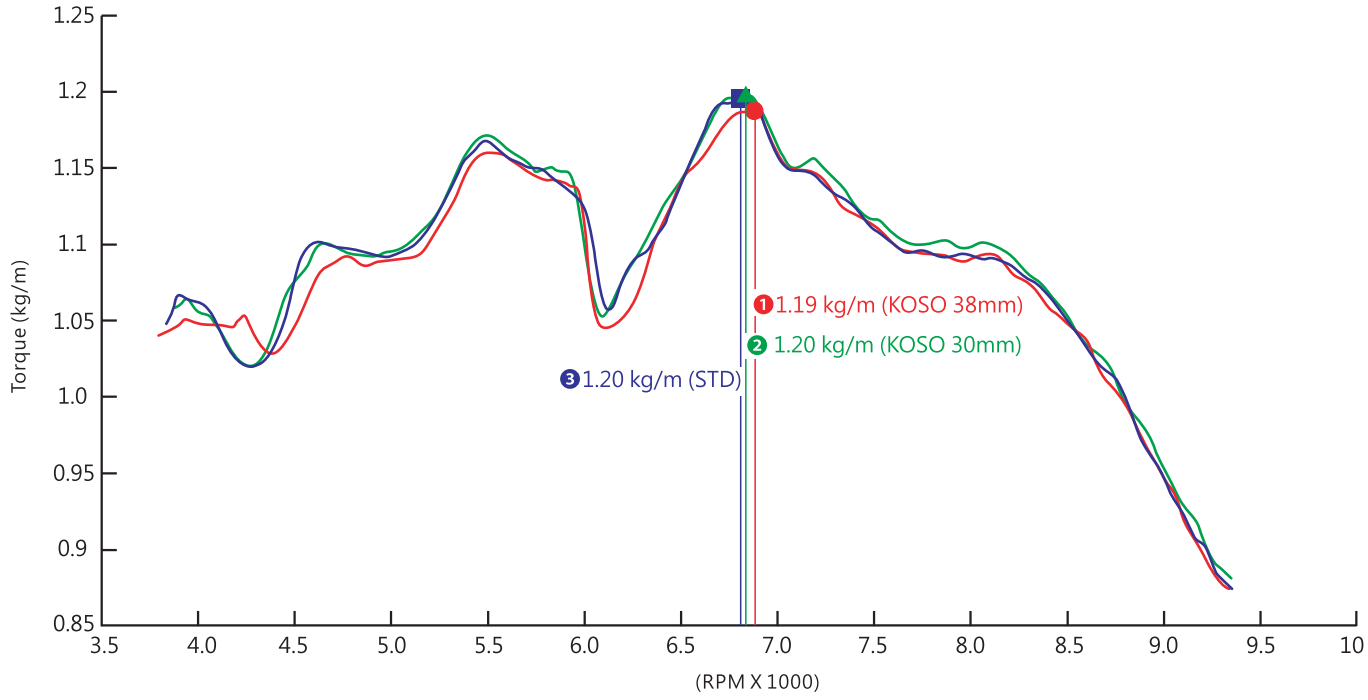
NOTE ❶ 59mm Cylinder+KOSO HIGH EFFICIENCY WATER PUMP+Roller(11gx6=66g)+Spring 1000 RPM.

NOTE ❷ 59mm Cylinder+STD WATER PUMP+Roller(11gx6=66g)+Spring 1000 RPM.

NOTE Test results vary with testing environment and weather. This test chart is for reference only.

4 POWER CURVE COMPARE CHART





NOTE	❶ KOSO YAMAHA HIGH EFFICIENCY WATER PUMP 38mm.
NOTE	❷ KOSO YAMAHA HIGH EFFICIENCY WATER PUMP 30mm.
NOTE	❸ YAMAHA STD WATER PUMP.
NOTE	Test results vary with testing environment and weather. This test chart is for reference only.