

Estar YTL0263

Estar Oil Pump and Cover Kit Instruction Manual

MODEL: YTL0263

1. Introduction

This instruction manual provides essential information for the installation, operation, and maintenance of the Estar Oil Pump and Cover Kit. This kit is an aftermarket replacement designed to fit various Chinese chainsaw models, ensuring proper lubrication for optimal chainsaw performance.

Compatibility: This kit is compatible with Chinese Chainsaw models 4500, 5200, 5800, 45cc, and 52cc.

2. Package Contents

Please verify that all components listed below are present in your package:

- 1 x Oil Pump
- 1 x Oil Pump Cover
- 1 x Oil Pump Pipe
- 1 x Worm Gear



Figure 2.1: Overview of the Eastar Oil Pump and Cover Kit, showing the oil pump, oil pump cover, oil pump pipe, and worm gear.

3. Safety Information

Always prioritize safety when working with power tools and their components. Failure to follow safety guidelines can result in serious injury or damage to equipment.

- **Disconnect Power:** Before performing any installation or maintenance, ensure the chainsaw engine is off and the spark plug wire is disconnected to prevent accidental starting.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- **Work in a Well-Ventilated Area:** If working with fuel or oil, ensure adequate ventilation.
- **Use Correct Tools:** Use only the appropriate tools for disassembly and assembly to avoid damaging components.
- **Handle Fluids Carefully:** Be mindful of oil and fuel spills. Clean up any spills immediately.
- **Consult Chainsaw Manual:** Refer to your chainsaw's original instruction manual for specific disassembly and reassembly procedures.

4. Installation Instructions

This section outlines the general steps for replacing the oil pump and cover kit. Specific chainsaw models may have slight variations.

4.1. Before You Begin

- Ensure the chainsaw is cool and clean.
- Drain any remaining oil from the oil tank.
- Gather necessary tools (e.g., screwdrivers, wrenches).

4.2. Step-by-Step Installation

1. **Access the Oil Pump Area:** Depending on your chainsaw model, you may need to remove the clutch cover, clutch, and/or other components to gain access to the existing oil pump and worm gear. Refer to your chainsaw's service manual for precise instructions.
2. **Remove Old Components:** Carefully remove the old oil pump cover, oil pump, oil pump pipe, and worm gear. Note their orientation for correct installation of the new parts.
3. **Install New Worm Gear:** Place the new worm gear onto the crankshaft. Ensure it seats correctly and can rotate freely.



Figure 4.1: The oil pump and worm gear components.

4. **Install New Oil Pump:** Position the new oil pump into its housing. Ensure the drive shaft of the oil pump engages with the worm gear. The oil pump pipe connection should face the oil tank.
5. **Connect Oil Pump Pipe:** Attach the new oil pump pipe to the oil pump and route it into the oil tank. Ensure a secure and leak-free connection.
6. **Install New Oil Pump Cover:** Place the new oil pump cover over the oil pump and worm gear area. Align any mounting holes and secure it with the appropriate screws. Do not overtighten.



Figure 4.2: The oil pump cover and worm gear, showing how they fit together.



Figure 4.3: Underside of the oil pump cover, showing the internal mechanism for the worm gear.

7. **Reassemble Chainsaw:** Reinstall any other components that were removed, such as the clutch and clutch cover.
8. **Test for Functionality:** Refill the oil tank with appropriate chainsaw bar and chain oil. Start the chainsaw and observe if oil is being properly dispensed to the bar and chain. Adjust oil flow if your chainsaw model allows.

5. Operating Instructions

Once the oil pump and cover kit is installed, proper operation is crucial for chainsaw longevity and performance.

- **Check Oil Level Regularly:** Before each use, ensure the oil tank is filled with fresh, clean bar and chain oil. Never operate the chainsaw with an empty oil tank.
- **Monitor Oil Flow:** During operation, periodically check that oil is being dispensed onto the guide bar and chain. This can often be observed by holding the tip of the bar near a light-colored surface while the chain is running at a safe distance. A fine line of oil should be visible.
- **Use Recommended Oil:** Always use the type of bar and chain oil recommended by your chainsaw manufacturer.

6. Maintenance

Regular maintenance of the oil pump system helps ensure consistent lubrication and extends the life of your

chainsaw.

- **Clean Oil Passages:** Periodically inspect and clean the oil passages on the guide bar and the oil outlet port on the chainsaw body to prevent blockages.
- **Inspect Components:** During routine chainsaw maintenance, visually inspect the oil pump, pipe, and worm gear for any signs of wear, damage, or leaks. Replace components as needed.
- **Keep Area Clean:** Ensure the area around the oil pump and cover is free from sawdust, dirt, and debris, which can interfere with proper operation.

7. Troubleshooting

If you encounter issues with oil flow after installing the kit, refer to the following table:

Problem	Possible Cause	Solution
No oil flow to bar/chain	Oil tank empty	Refill oil tank.
No oil flow to bar/chain	Oil passages blocked	Clean oil outlet port and guide bar oil holes.
No oil flow to bar/chain	Oil pump not engaging worm gear	Recheck installation of oil pump and worm gear. Ensure they are correctly aligned.
No oil flow to bar/chain	Oil pipe kinked or disconnected	Inspect oil pipe for damage or improper connection.
Oil leaks from cover area	Improperly seated cover or damaged seal	Ensure cover is correctly installed and screws are tightened. Check for any damaged seals or gaskets.

8. Specifications

Feature	Detail
Brand	Eastar
Model Number	YTL0263
Material	Plastic, Metal, Rubber
Compatibility	Chinese Chainsaw 4500, 5200, 5800, 45cc, 52cc
Item Included	1 x Oil Pump, 1 x Oil Pump Cover, 1 x Oil Pump Pipe, 1 x Worm Gear



Figure 8.1: Approximate dimensions of the oil pump, cover, and worm gear components.

9. Warranty and Support

As an aftermarket replacement part, specific warranty details may vary. For any questions regarding installation, compatibility, or product performance, please contact the seller or manufacturer directly through your purchase platform. Always refer to your original chainsaw manufacturer's guidelines for overall chainsaw warranty information.