

# FORM 2348 EG100 GAS ENGINE INSTALLATION

## Part No. X200-1201 Engine, 14hp Kohler



**WARNING!** Use two people to lift the engine. Failure to follow this may result in serious injury.



**IMPORTANT!** The engine is not shipped with oil in the crankcase. Fill the engine with the supplied 10W30 oil after mounting.



**IMPORTANT!** Attach the engine to the motor mount platform **AFTER** the edger is securely attached to its frame.

1. Unpack the Kohler G14engine at a work station..
2. Unpack the pulley and belts from the parts compartment of the EG100 shipping crate.
3. Set the shaft key into keyway. (See Figure 1.)

The key is located in the bag with the engine manual.

4. Lube the shaft with engine oil or axle grease.
5. Align the pulley with the key.
6. Tap the pulley onto the shaft until it is **FLUSH** with the end of the shaft. (See Figure 2.)
7. Remove the set screw from the pulley.
8. Apply a medium strength removable threadlock (Loctite 243 recommended) on the set screw before tightening it into place.
9. Attach the exhaust deflector at the exhaust port.



**FIGURE 1**



**FIGURE 2**

10. Remove the engine mounting bolts from their shipping position on the engine mount platform. (See Figure 3.)

**NOTE:** The slots the bolts are shipped in are not necessarily the slots used for the Kohler gas engine. The smaller slots are used with this engine.

11. Remove covers from edger pulleys. (See Figure 3.)

12. **Using two people**, move the engine to the edger's mounting platform.

13. Attach the two drive belts to the edger's pulleys. (See Figure 4.)

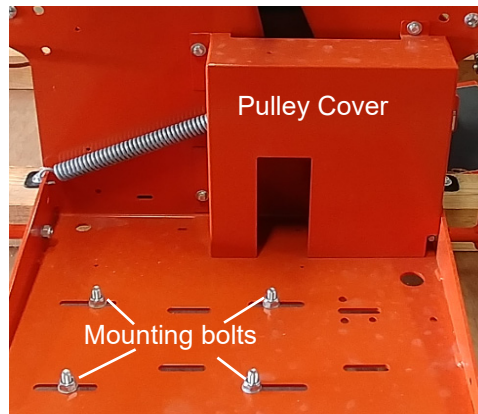
14. Align the motor pulleys with the belts and edger pulley.

15. Use a straight edge to insure alignment.

**NOTE:** The straight edge should be **flush** along the surfaces of both pulleys when they are properly aligned.

16. Insert mounting bolts (removed in step 10.) **Do not tighten at this time.**

**NOTE:** A washer goes above and below the motor and mount. (See Figure 5.)



**FIGURE 3**



**FIGURE 4**

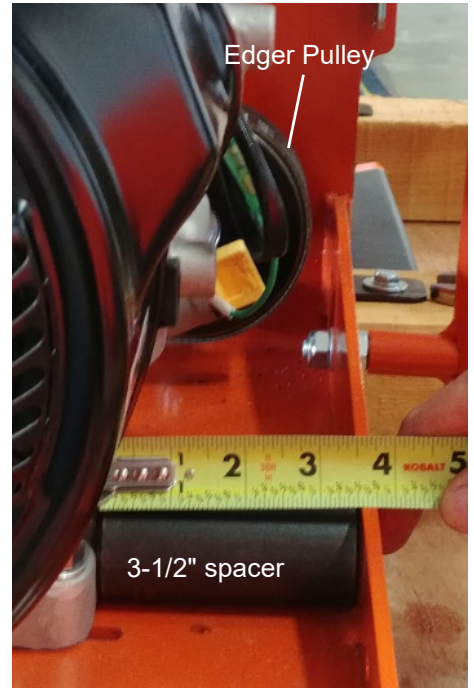


**FIGURE 5**

17. Set the proper belt length by ensuring the motor is 3-1/2 inches from the side of the motor mount platform. (See Figure 6.) (Belt tension is set by the clutch lever.)
18. Recheck the pulley alignment and readjust, if necessary.
19. Torque the mounting bolts to 38-42 ft-lbs.
20. Replace the edger pulley cover.



**CAUTION! FILL THE ENGINE WITH THE SUPPLIED 10W30 MOTOR OIL!** Engine damage will occur if the engine is started without oil.



**FIGURE 6**