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# STEEL FLYWHEEL

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Once the flywheel is installed, avoid removing it unless absolutely necessary. The Vogel 9 1/4" diameter steel flywheel features (2) 1" holes positioned on the wheel to allow removal of the end plate assembly without pulling the flywheel off the crankshaft.

Use a **hardened flywheel key** in any type flywheel – (Not a tool bit – it may shatter).

*We have the **Hardened Flywheel Keys** available. Recommend a **hardened washer**.*

*We have the **Hardened Washer and Crank Nut** available in both the 3/4" and 5/8".*

Torque Flywheel Nut when using: Vogel Steel Crankshaft – Minimum 120 ft. lbs.  
Kohler cast crankshaft – maximum factory specs.

Use permanent grade 262 **loctite** on shaft and flywheel hub.

Note: Any type of flywheel should be balanced. Unbalanced flywheels may lead to premature crankshaft failure. We offer balancing services for any brand flywheel. Our Vogel manufactured flywheels are available either balanced or unbalanced.

For the 9 1/4" diameter flywheel with the ring gear installed and balanced, the customer supplies the **105 tooth ring gear**, or a \$40.00 ring gear charge will be assessed. \$35.00 will be refunded upon receipt of an acceptable ring gear. The ring gear is required before the flywheel can be balanced. Remove the 105 tooth ring gear obtained from a cast single cylinder Kohler flywheel by gently tapping ring gear with a punch every 1". Do **not** remove gear by heating.

## HOW TO MARK THE FLYWHEEL

1. Locate TDC with degree wheel using stop block method.
2. Install pointer on block over flywheel surface to be marked.
3. After locating TDC, mark TDC at tip of Point.
4. Mark every 5 degrees BTDC in 5 degree increments out to 35 degrees BTDC.

## ALUMINUM CLUTCH HUB

The original aluminum clutch hub designed by Vogel is a replacement for the factory die cast hub. Bolt pattern completely adapts to the 8" diameter or 9 1/4" diameter Kohler factory cast flywheel or 8" diameter or 9 1/4" diameter Vogel steel flywheel.

Uses a 1/4" dowel pin. *We have the 1/4" dowel pins available.*

Install clutch hub with permanent grade 262 **loctite**.