

3. Clean and inspect the crankcase cover and reed stop. Check for indentation on the face of the seat area in the crankcase cover. If the reeds have worn indentations in the seat, replace the cylinder block and crankcase cover.
4. Install a new reed petal assembly into the crankcase cover. Place the reed stop over the reed petals.
5. Coat the threads of the reed valve screws with Loctite 271 threadlocking adhesive (part No. 92-809819).
 - a. *2.5 and 3.3 hp models*—Install the screws and tighten them securely.
 - b. *4 and 5 hp models*—Install the screws and tighten them to the specification in **Table 1**.
6. Check the reed stop setting and reed petals for stand-open and preload as described in *Cleaning and inspection* in the previous section.
7. Reinstall the crankcase cover as described in Chapter Eight.

6-25 hp Models

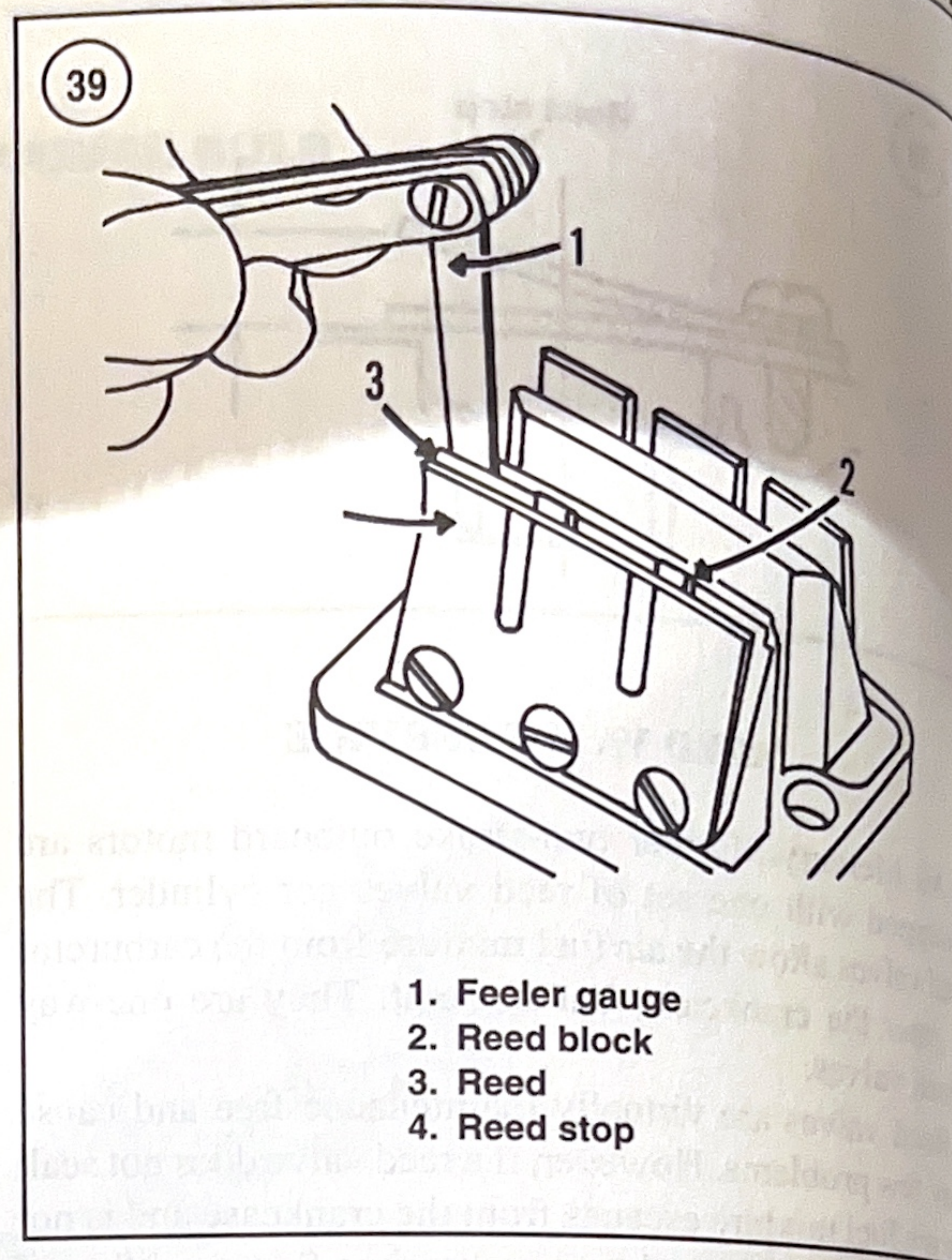
Two sets of reed petals are mounted to a single reed block assembly. Each set of petals feeds one cylinder. A rubber seal incorporated into the reed block separates the petals.

On 6-15 hp models, the reed block is the intake manifold and the carburetor is bolted directly to the reed block. The reed block is serviced as an assembly and must be replaced if worn or defective.

On 20 and 25 hp models, an intake manifold (carburetor adapter) is bolted between the carburetor and reed block. The reed block assembly is serviceable on these models.

Removal/installation

1. On electric start models, disconnect the negative battery cable.
2. Remove the carburetor as described in this chapter.
- 3A. *6-15 hp models*—Remove the bolts securing the reed block to the crankcase cover.
- 3B. *20 and 25 hp models*—Remove the bolts securing the intake manifold and reed block to the power head.
- 4A. *6-15 hp models*—Carefully remove the reed block assembly from the power head. Do not scratch, warp or gouge the reed block or crankcase cover.
- 4B. *20 and 25 hp models*—Carefully remove the intake manifold and reed block assembly from the power head. Do not scratch, warp or gouge the reed block, intake manifold or crankcase cover. Separate the reed block from the intake manifold. Remove all gasket material from the reed block, intake manifold and crankcase cover.



5. Clean and inspect the reed block assembly as described in the next section.

6A. *6-15 hp models*—Install the reed block with a new gasket over the carburetor mounting studs and seat it against the crankcase cover.

6B. *20 and 25 hp models*—Install the reed block and intake manifold over the carburetor mounting studs and seat them against the crankcase cover.

7A. *6-15 hp models*—Install the three screws and tighten them evenly to the specification in **Table 1**.

7B. *20 and 25 hp models*—Install the three screws and tighten them evenly to the specification in **Table 1**.

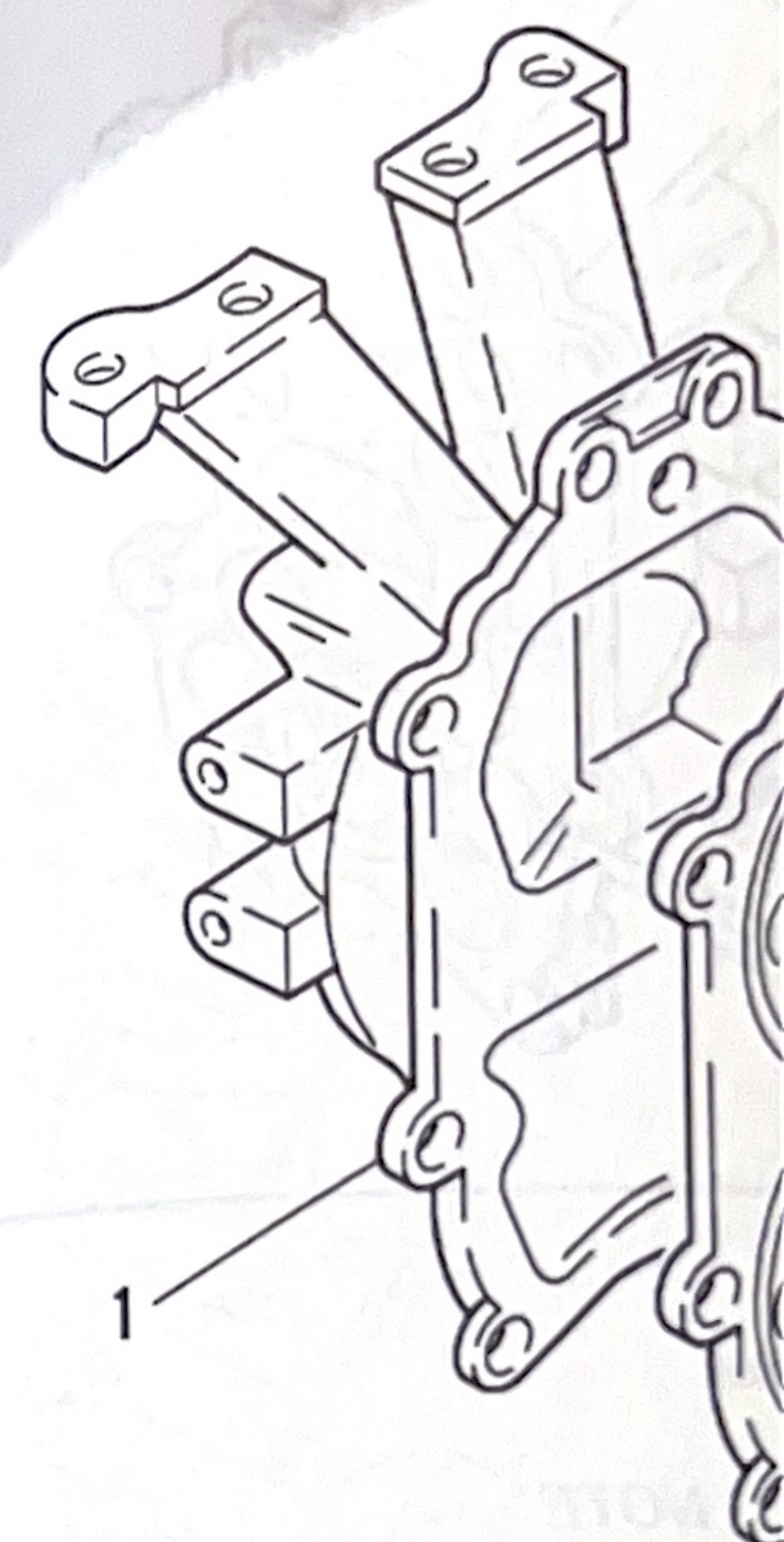
8. Install the carburetor as described in this chapter.

9. On electric start models, reconnect the negative battery cable.

Cleaning and inspection

1. Thoroughly clean the reed block assembly in clean solvent.
2. Check for excessive wear, cracks or grooves in the seat area of the reed block. Replace the reed block if it is damaged.
3. Check the reed petals for cracks, chips or evidence of fatigue. Replace the reed petals or reed block assembly if they are damaged.

REED VALVE ASS (30 AND 40 HP M [TWO-CYLIND



CAUTION

Do not remove the reed petals unless replacement is necessary. Reuse the reed petals over for reuse. Replace the reed block on 6-15 hp models.

4. Measure the stand-open gap between the reed petals and the reed block mating surface. Replace the reed block assembly if the stand-open gap exceeds the specification.
5. To replace the reed petals on 20 and 25 hp models, remove the screws attaching the reed petals to the reed block. To reinstall the reed petals, apply Loctite threadlocking adhesive (part No. 92-809819) to the threads of the screws. Position the reed petals on the reed block. Tighten the screws to the specification in **Table 1**.